Appendix B.12.1

Crawford Overburden Geotechnical Investigation Factual Report

FINAL

Crawford Overburden Geotechnical Investigation Factual Report

Crawford Mine, Ontario, Canada
Canada Nickel Company Inc



SRK Consulting (Canada) Inc. ▪ CAPR000801 ▪ September 2024

srk consulting

FINAL

Crawford Overburden Geotechnical Investigation Factual Report

Crawford Mine, Ontario, Canada

Prepared for:
Canada Nickel Company Inc
Suite 1900 – 130 King Street West
Toronto, ON, M5X 1E3
Canada

www.canadanickel.com

Prepared by:
SRK Consulting (Canada) Inc.
320 Granville Street, Suite 2600
Vancouver, BC V6C 1S9
Canada

+1 604 681 4196
www.srk.com

Lead Author: Andres Barrero **Initials:** AB
Reviewer: Arcesio Lizcano **Initials:** AL

File Name:
Canada Nickel_Crawford_Factual Report_CAPR000801_FINAL_20230329.docx

Suggested Citation:
SRK Consulting (Canada) Inc. 2024. Crawford Overburden Geotechnical Investigation Factual Report Prepared for Canada Nickel Company Inc: Toronto, ON. Project number: CAPR000801. Issued September. 2024.

Cover Image(s):
View of Crawford Mine

Copyright © 2024

Disclaimer. SRK Consulting (Canada) Inc. has prepared this document for Canada Nickel Company Inc, our client. Any use or decisions by which a third party makes of this document are the responsibility of such third parties. In no circumstance does SRK accept any consequential liability arising from commercial decisions or actions resulting from the use of this report by a third party.

The opinions expressed in this document have been based on the information available to SRK at the time of preparation. SRK has exercised all due care in reviewing information supplied by others for use on this project. While SRK has compared key supplied data with expected values, the accuracy of the results and conclusions from the review are entirely reliant on the accuracy and completeness of the supplied data. SRK does not accept responsibility for any errors or omissions in the supplied information, except to the extent that SRK was hired to verify the data.

Contents

Useful Definitions vi

1 Introduction 7

2 Field Program Summary 8
2.1 Test pit and trenching excavations 8
2.2 Borehole drilling 8
2.3 Cone Penetration Test 9
2.4 Logging and Sampling methods 10

3 Locations of the site investigation: test pit, trench, borehole, and CPT 11

4 Monitoring Well Installations 19

5 Geotechnical Laboratory Testing 21

6 Laboratory Test Results 37
6.1 Water Content and Atterberg Limits 37
6.2 Specific Gravity 55
6.3 Particle Size Distributions 57
6.4 Consolidated-Undrained Triaxial Tests 67
6.5 Permeability Tests 70
6.6 One Dimensional Consolidation 71
6.7 Direct Simple Shear Tests 72

References 74

Tables

Table 3.1: Test Pit Locations 11
Table 3.2: Borehole Locations 13
Table 3.3: CPT Locations 16
Table 4.1: Monitoring well installation summary 19
Table 5.1: Geotechnical Lab Testing 22
Table 6.1: Moisture and Atterberg Limits 37
Table 6.2: Specific Gravity Results 55
Table 6.3: Particle Size Distribution Results 57
Table 6.4: CU Triaxial Test Results Summary 67
Table 6.5: Permeability Test Results Summary 70
Table 6.6: One Dimensional Consolidation Sample List 71
Table 6.7: Direct Shear Test Sample List 72

Figures

Figure 1: Site overview 76
Figure 2: Site investigation summary 77

Figure 3: Site investigation borehole locations 78
Figure 4: Site investigation CPT locations 79
Figure 5: Site investigation Test pit locations 80
Figure 6: Unified plasticity chart 81
Figure 7: Hydro-geotechnical (HG) boreholes particle size distribution curves 82
Figure 8: Low Grade Stockpiles (LGS) boreholes particle size distribution curves 83
Figure 9: North Waste Rock (NWR) boreholes particle size distribution curves 84
Figure 10: Open pit (OP) – Part 1 particle size distribution curves 85
Figure 11: Open pit (OP) – Part 2 particle size distribution curves 86
Figure 12: Open pit (OP) – Part 3 particle size distribution curves 87
Figure 13: Open pit (OP) – Part 4 particle size distribution curves 88
Figure 14: Plant Facility (PF) boreholes particle size distribution curves 89
Figure 15: South Overburden Stockpile (SOS) boreholes particle size distribution curves 90
Figure 16: Tailings Facility Storage (TSF) boreholes – Part 1 particle size distribution curves 91
Figure 17: Tailings Facility Storage (TSF) boreholes – Part 2 particle size distribution curves 92
Figure 18: Tailings Facility Storage (TSF) boreholes – Part 3 particle size distribution curves 93
Figure 19: Tailings Facility Storage (TSF) boreholes – Part 4 particle size distribution curves 94
Figure 20: West Overburden Stockpile (WOS) boreholes particle size distribution curves 95
Figure 21: Waste Rock Dump (WRD) boreholes particle size distribution curves 96
Figure 22 to 47: CU Triaxial test results summary 97
Figure 48 to 68: One dimensional consolidation test 98

Appendices

Appendix A Borehole Logs
Appendix B Core Photos
Appendix C Test Pit Logs
Appendix D CPT Report
Appendix E Laboratory Tests
Appendix E.1 Atterberg Limits, Moisture Content and Particle Size Distribution
Appendix E.2 Permeability Tests
Appendix E.3 One Dimensional Consolidation Tests
Appendix E.4 Consolidated Undrained Triaxial Tests
Appendix E.5 Direct Simple Shear Tests
Appendix E.6 Specific Gravity Tests

Useful Definitions

This list contains definitions of symbols, units, abbreviations, and terminology that may be unfamiliar to the reader.

CNC	Canada Nickel Corporation
CPT	Cone Penetration Test
LL	Liquid Limit
masl	Meters above sea level
mbgs	Meters below ground surface
NWRD	North Waste Rock Dump
OP	Open Pit
LGS	Low grade stockpile
PI	Plasticity Index
PL	Plastic Limit
PPDT	Pore Pressure Dissipation Test
PSD	Particle Size Distribution
SCPTu	Seismic Cone Penetration Test
SPT	Standard Penetration Test
USCS	Unified Soil Classification System
VST	Vane Shear Testing
CU	Consolidated Undrained

1 Introduction

Canada Nickel Company Inc. (CNC) is proposing to develop the Crawford Nickel Project located 40 km north of Timmins, ON (Figure 1). SRK Consulting (Canada) Inc. (SRK) was retained by CNC to plan, conduct, and supervise a geotechnical field investigation program. The information documented in this report will be included in the ongoing feasibility study (FS).

As part of the FS, SRK is undertaking the foundation characterization and slope design of the dumps and stockpiles which includes North Waste Rock Dump (NWRD), Low grade stockpile (LGS) East and West, and Open Pit (OP). Figure 1Figure 2 shows the latest spatial distribution of these facilities.

This document summarizes the results of the geotechnical investigation program conducted in and around the facilities, including the local stratigraphy, groundwater levels, and logging each of the major soil units identified using visual inspection, field testing, and laboratory testing. This document will serve as the main input for the site foundation characterization and dumps slope design memos.

2 Field Program Summary

The geotechnical investigation program was conducted during the COVID-19 pandemic. All federal, provincial, and local regulations and guidelines were in place to minimize risk for all involved parties. The geotechnical investigation program was carried out from September 2021 to March 2022. The program was key to understanding the overburden stratigraphy and extent of the overburden thickness.

The geotechnical investigation program included 73 sonic boreholes, 1 trench, 16 test pits, the collection of 1355 samples, and the installation of 20 monitoring wells. Field tests were also conducted, and this included 181 Standard Penetration Tests (SPT), 55 Cone Penetration Tests (CPT), 245 pore pressure dissipation tests, 565 seismic shear wave tests, and 147 shear vane tests. The soil sampling (divided into undisturbed and disturbed samples) was carried out during the sonic drilling and test pitting. The undisturbed samples were represented by the number of Shelby tubes and disturbed samples were composed of SPT and grab samples. A total of 136 undisturbed and 1219 disturbed samples were collected from which 1102 and 117 were grab samples and SPTs, respectively. The location of the drilled boreholes, CPTs, test pits, and trench, are shown in Figures 3, 4 and 5, correspondingly.

2.1 Test pit and trenching excavations

The test pitting and trench excavation was carried out on October 15, 20, and 26, November 12 and 15, February 14, 15 and 16, and March 24 and 26. The test pits and trench were excavated using the medium excavators CAT 320 - Tier 4F / EU Stage V and SANY SY155U, respectively. The purpose of these excavations was to understand the overburden stratigraphy. Test pits were generally terminated at the target depth of 5 m or until the excavator reached its maximum length of 6 m. The trench had a depth target of 3 m. Once the target depth was reached, the test pit was backfilled using the excavated soil and compacted with the excavator bucket.

The test pits and trench excavations were conducted and supervised by SRK field representatives. In total 16 test pits and 1 trench were completed in 10 days, with an excavation efficiency of 1.6 m/day.

2.2 Borehole drilling

The sonic borehole drilling commenced on September 25, 2021, and ended on March 27, 2022, with a winter break from December 15, 2021, to January 03, 2022. Throughout the complete investigation, the drilling rig used to perform the boreholes was the sonic drill track rig (Rig SDC 550-24) equipped with a 25-foot tower and a mechanical arm to move the drilling rods. The sonic drilling was key to determining overburden thickness, material sampling, and bedrock depth. Boreholes were drilled using the sonic drill rods of 1.5 m (5 ft) and casing that opened 0.1 m (4-inch) drill core. Drill runs varied between 3.1 m (10 ft) and 1.5 m (5 ft), according to the instructions given by the SRK on-site representative. Boreholes were terminated 3 m inside bedrock, except 2 boreholes in which specific instructions were given to the SRK field engineer representative to terminate the holes before reaching bedrock. The boreholes were supervised by SRK personnel.

The boreholes were performed using three drilling formats:

1. Boreholes drilled from September 25, 2021, to November 02, 2021, and from November 23, 2021, to December 14, 2021, were performed during day shift with one drilling rig.
2. Boreholes drilled from November 03, 2021, to November 22, 2021, were performed during day shift with two drilling rigs.
3. Boreholes drilled from January 03, 2022, to March 27, 2022, were performed during day and night shift with one drilling rig.

In total, 73 boreholes were completed. Minor delays were encountered during the program for a total of 17 days, representing 10% of the entire investigation during which the rig was idle due to mechanical breakdowns. The borehole drilling had a program efficiency of 23.1 m/shift.

2.3 Cone Penetration Test

CPT was pushed using the same sonic drilling rig by means of installing additional equipment to push the CPT rods. The cone was hydraulically pushed until refusal and, in some cases, was resumed after soil material was drilled out. The speed of penetration was supervised not to exceed 2 cm/s. The CPT was key to obtaining continuous soil data based on values of tip resistance, sleeve friction, and pore pressures considered at each data point. The CPT cone equipped with a piezometer load cell and a geophone to enable measurements of dynamic and static pore pressure, and seismic horizontal shear waves.

Pore pressure dissipation tests (PPDT) were performed every 5 m or at depths specified by a SRK field engineer. In fine-grained soils, PPDTs were performed until 50% of the equilibrium pressure was reached. Subsequent PPDT's performed in fine-grained soil at the same location had a maximum cut-off time of 2 hours. In coarse-grained soil, PPDTs were performed until 100% of the equilibrium pressure was reached. Pore pressure data can be interpreted to provide estimates of equilibrium piezometric pressure, phreatic surface, in situ horizontal coefficient of consolidation (c_h) and in situ horizontal coefficient of permeability (k_h). A total of 245 PPDTs were performed.

The Seismic Cone Penetration Test (SCPT) cone equipped with a horizontal active geophone located 0.2 m (0.66 ft) behind the cone tip, measures the arrival time of a shear wave. The seismic shear wave tests were conducted at various intervals during the SCPT pushing. The SCPT was vital to calculating shear wave velocity profiles over specified intervals with depth. Seismic shear wave tests were carried out every 1 m for the first 10 m, every 2 m from depths of 10-20 m, every 5 m from depths below 20 m. In some cases, multiple wave traces were recorded at the same depth to improve quality of the data. A total of 565 seismic shear wave tests were completed. The complete report of the CPT tests is shown in Appendix D.

21 CPT and 34 SCPT tests were performed from October 08, 2021, to March 27, 2022, using the same drilling format previously shown in Section 2.2. In total, 55 CPTs were pushed with an efficiency of 16.6 m/day.

2.4 Logging and Sampling methods

The test pits and trench were logged by visually assessing the soil material dumped from the excavator bucket. The walls of the pits and trench were used to describe soil profile with depth. A photograph of the pit wall with best representation of the soil profile was taken once each test pit excavation was completed. The boreholes were logged inside a portable climate-controlled trailer. The soil retrieved at each run was placed inside a 1.5 m (5 ft) long core box. Photographs were taken of each core run.

The soil logging was completed per the Unified Soil Classification System (USCS) using ASTM standards (ASTM D2487-17e1, ASTM D2488-17e1). Disturbed and undisturbed samples were taken at representative soil layers. Special instructions with the list of depths to take undisturbed samples were given at the beginning of each borehole located at the tailings storage facility. Disturbed soil samples were taken directly from the excavator bucket or core box. The recollected soil (on average 4 kg) was placed inside two large Ziploc bags and properly labeled for later shipment to designated laboratories. The undisturbed soil samples were retrieved directly from the ground using a piston sampler as specified in ASTM (D6519) and placed inside a Shelby tube of 76.6 cm (2.5 foot) long. The tube was sealed in-situ with plastic caps on both ends and covered with wax to preserve the natural moisture. The filled tubes were placed inside a wooden box, as specified in ASTM (ASTM D4220/D4220M-14), with thermal insulation to prevent frozen soil. At the end of each drilling-shift, soil samples were brought and placed inside the CNC core shack.

Test pits and borehole logs with their corresponding photo log, are provided in Appendix A and Appendix B.

3 Locations of the site investigation: test pit, trench, borehole, and CPT

In total, 15 test pits, 1 trench, 73 boreholes, 55 CPTs, and 20 groundwater monitoring wells were completed and installed. The majority of the CPTs were paired at the same location with selected sonic boreholes. An overall view of all the drilled locations is displayed in Figure 2.

Table 3.1 provides the location and coordinates of the test pits, as well as their respective IDs, total depth, and number of grab samples. Meanwhile, Table 3.2 and Table 3.3 summarize the location of the boreholes and CPTs, respectively.

Table 3.1: Test Pit Locations

Location	Test Pit ID	Total Depth (m)	Grab Samples	Easting	Northing	Elevation (masl[1])
Tailing Storage Facility	SRK21-TSF-TP-06	4.5	4	474107.5	5406496.3	272.89[2]
Open Pit	SRK21-OP-TP-04	4.8	6	472980.9	5409961.5	272.39[2]
South Overburden Stockpile	SRK21-SOS-TP-01	5.0	5	473067.5	5407645.9	270.88[2]
Tailing Storage Facility	SRK21-TSF-TP-02	4.3	0	475661.2	5409664.4	273[3]
Open Pit	SRK21-OP-TP-01	3.8	2	475595.8	5410129.6	273[3]
Open Pit	SRK21-OP-TP-05	5.8	5	474473.3	5408133.4	273[3]
Tailing Storage Facility	SRK22-TSF-TP-03	4.2	4	475499	5408630	273[3]
Tailing Storage Facility	SRK22-TSF-TP-05	4.4	3	476941	5406515	273[3]
Tailing Storage Facility	SRK22-TSF-TP-04	4.8	5	474847	5407086	273[3]
Tailing Storage Facility	SRK22-TSF-TPT-06	3	6	474682	5408919	273[3]
Borrow Pit	SRK22-BP-TP-06	2.74	5	472197	5403043	273[3]
Borrow Pit	SRK22-BP-TP-11	4.88	5	470829	5406150	273[3]

Location	Test Pit ID	Total Depth (m)	Grab Samples	Easting	Northing	Elevation (masl[1])
Borrow Pit	SRK22-BP-TP-12	3.96	5	470593	5406531	273[3]
Borrow Pit	SRK22-BP-TP-17	3.96	5	471792	5403422	273[3]
Borrow Pit	SRK22-BP-TP-13	4.6	4	470565	5407188	273[3]
Borrow Pit	SRK22-BP-TP-14	5.2	4	470454	5407374	273[3]
Open Pit	SRK22-QPV-TP-01	6.0	2	475522	5409880	273[3]

Notes: As-built coordinates were provided by a handheld GPS. Shown elevations represent the available information at the moment of compiling this document.

[1] masl: meters above sea level

[2] Indicated test pits were surveyed

[3] Default elevation for test pits that were not surveyed

Table 3.2: Borehole Locations

Location	Borehole ID	Total Depth (m)	Paired CPT	Grab Samples	SPT	Shelby Samples	VST	Easting	Northing	Collar Elevation (masl[1])
Open Pit	SRK21-OP-BD-09	39.0	No	7	0	0	0	472904.4	5408908.1	270.9
Open Pit	SRK21-OP-BD-06	21.6	No	3	0	0	0	473330.5	5409014.4	275.1
Open Pit	SRK21-OP-BD-08	90.2	No	25	9	0	0	473563.1	5409393.7	276.9
Open Pit	SRK21-OP-BD-03	36.0	No	13	5	2	2	473627.5	5409757.3	277.7
Open Pit	SRK21-OP-BH-05	32.3	No	12	5	0	0	474501.0	5409875.6	276.7
Open Pit	SRK21-OP-BD-12	42.1	No	16	4	2	2	472953.8	5408466.5	272.0
Open Pit	SRK21-OP-BD-05	20.7	No	7	0	2	2	473693.9	5410045.5	277.9
Open Pit	SRK21-OP-BD-11	42.1	No	16	2	2	2	474008.8	5408447.0	273.4
Open Pit	SRK21-OP-BH-07	50.9	SRK21-OP-CPT-05	36	9	0	1	474645.5	5408406.5	275.6
South Overburden Stockpile	SRK21-SOS-BH-05	52.7	No	29	5	3	3	472871.1	5407106.9	268.8
South Overburden Stockpile	SRK21-SOS-BH-01	42.1	No	23	3	2	2	472808.7	5407687.0	271.5
Open Pit	SRK21-OP-BD-01	48.2	No	28	6	2	2	472651.1	5409254.1	270.5
Tailings Storage Facility	SRK21-TSF-BH-10	31.7	SRK21-TSF-CPT-14	22	1	3	3	474816.2	5406443.8	273.5
Tailings Storage Facility	SRK21-TSF-BH-19	48.2	SRK21-TSF-CPT-08	27	5	3	3	473373.8	5406524.3	272.0
Tailings Storage Facility	SRK21-TSF-BH-09	32.9	No	15	1	2	3	472998.3	5405776.1	271.7
Tailings Storage Facility	SRK21-TSF-BH-07	42.1	SRK21-TSF-CPT-06	21	3	2	3	473058.0	5405095.0	273.4
Open Pit	SRK21-OP-BD-02	43.3	No	17	0	2	2	472612.9	5409625.9	270.9
Tailings Storage Facility	SRK21-TSF-BH-17	48.2	No	10	12	0	0	470982.9	5404987.1	277.0
Open Pit	SRK21-OP-BH-09	52.7	SRK21-OP-CPT-07	24	1	3	2	472915.9	5407945.3	271.4
Tailings Storage Facility	SRK21-TSF-BH-08	41.5	SRK21-TSF-CPT-07	10	12	0	0	471109.4	5405833.7	269.2
North Waste Rock Stockpile	SRK21-NWR-BH-11	51.2	No	19	2	3	4	472647.9	5410443.2	271.0
North Waste Rock Stockpile	SRK21-NWR-BH-07	44.5	SRK21-NWR-CPT-01	20	2	3	5	472425.0	5411995.1	275.7
Plant Facility	SRK21-PF-BH-01	29.9	SRK21-PF-CPT-01	8	8	0	0	470436.0	5408143.0	275.8
Plant Facility	SRK21-PF-BH-02	20.1	SRK21-PF-CPT-02	4	2	1	2	470627.7	5407773.3	272.9
North Waste Rock Stockpile	SRK21-NWR-BH-01	57.3	No	37	3	3	5	472323.7	5412704.6	278.1
Tailings Storage Facility	SRK21-TSF-BH-18	62.8	No	14	4	2	2	471939.1	5406726.4	270.0

Location	Borehole ID	Total Depth (m)	Paired CPT	Grab Samples	SPT	Shelby Samples	VST	Easting	Northing	Collar Elevation (masl[1])
Open Pit	SRK21-OP-BD-10	23.8	No	16	2	1	0	475081.1	5409834.3	275.6
Open Pit	SRK21-OP-BH-04	23.8	SRK21-OP-CPT-02	14	2	2	2	474519.5	5410198.4	276.2
Low Grade Stockpile	SRK21-LGS-BH-01	33.9	SRK21-LGS-CPT-01	6	0	3	2	471373.0	5412363.0	270.2
Low Grade Stockpile	SRK21-LGS-BH-08	31.1	SRK21-LGS-CPT-05	13	0	4	2	470734.0	5410659.9	268.8
Low Grade	SRK21-LG-BH-04	41.1	SRK21-LG-CPT-05	20	2	2	2	470416.8	5411970.8	269.0
Tailings Storage Facility 2	SRK21-TSF2-BH-103	36.6	SRK21-TSF2-CPT-102	25	3	3	4	468248.3	5408283.9	274.6
Tailings Storage Facility 2	SRK21-TSF2-BH-102	42.1	No	25	1	3	3	465911.0	5407223.0	274.0
Open Pit	SRK21-OP-BH-02	66.1	SRK21-OP-CPT-01	21	3	3	2	473121.2	5410247.0	275.4
Waste Rock Dump	SRK21-WRD-BH-06	42.1	SRK21-WRD-CPT-17	23	3	0	0	472209.0	5415177.0	283.5
Plant Facility	SRK21-PF-BH-04	44.2	SRK21-PF-CPT-04	21	5	1	1	469821.0	5409116.0	272.1
Open Pit	SRK22-OP-BH-03	33.5	No	17	1	2	2	473835.5	5410433.0	277.6
Waste Rock Dump	SRK22-WRD-BH-16	22.9	SRK22-WRD-CPT-10	12	0	2	3	474459.9	5410758.1	274.8
Open Pit	SRK22-OP-BD-07	13.4	SRK22-OP-CPT-03	8	0	1	1	475141.0	5410291.0	275.1
Open Pit	SRK22-OP-BD-04	49.4	No	25	4	0	0	474997.2	5409343.2	275.9
Open Pit	SRK22-OP-BH-06	50.3	SRK22-OP-CPT-04	28	8	1	0	474415.9	5409303.5	276.7
Tailings Storage Facility	SRK22-TSF-BH-01	24.7	SRK22-TSF-CPT-01	9	1	3	0	475834.4	5409900.8	271.9
Tailings Storage Facility	SRK22-TSF-BH-01A	40.0	SRK22-TSF-CPT-01A	16	1	0	1	475546.2	5408903.2	273.5
Tailings Storage Facility	SRK22-TSF-BH-13	55.5	SRK22-TSF-CPT-10	17	5	2	3	476082.0	5408199.0	273.4
Tailings Storage Facility	SRK22-TSF-BH-04	11.6	SRK22-TSF-CPT-13	4	0	1	2	476950.0	5408237.0	273.3
Tailings Storage Facility	SRK22-TSF-BH-15	66.1	SRK22-TSF-CPT-03	22	4	2	2	476802.9	5407119.2	273.8
Tailings Storage Facility	SRK22-TSF-BH-05	42.1	SRK22-TSF-CPT-04	13	4	2	0	476789.0	5405122.0	275.7
Tailings Storage Facility	SRK22-TSF-BH-25	86.6	No	31	4	3	0	476776.9	5406403.2	274.0
Tailings Storage Facility	SRK22-TSF-BH-27	39.3	SRK22-TSF-CPT-18	16	0	5	3	476772.0	5405731.1	274.8
Tailings Storage Facility	SRK22-TSF-BH-11	38.1	SRK22-TSF-CPT-09	15	0	1	2	475244.8	5408202.2	275.5
Open Pit	SRK22-OP-BH-08	41.8	SRK22-OP-CPT-06	15	0	2	2	474051.2	5407894.1	272.2
Tailings Storage Facility	SRK22-TSF-BH-23	35.7	SRK22-TSF-CPT-15	16	2	2	2	475196.0	5407089.0	275.5
Tailings Storage Facility	SRK22-TSF-BH-06	35.4	No	16	0	1	1	475084.8	5407684.0	275.9
Waste Rock Dump	SRK22-WRD-BH-07	57.0	No	23	3	3	2	471686.0	5412786.0	271.4

Location	Borehole ID	Total Depth (m)	Paired CPT	Grab Samples	SPT	Shelby Samples	VST	Easting	Northing	Collar Elevation (masl[1])
Waste Rock Dump	SRK22-WRD-BH-17	46.3	SRK22-WRD-CPT-16	17	2	1	0	471452.7	5413770.5	272.5
Low Grade	SRK22-LG-BH-03	38.1	No	19	4	0	1	471394.0	5412015.0	268.8
Open Pit	SRK22-OP-BH-01	39.0	SRK22-OP-CPT-09	14	0	1	2	472190.9	5409527.0	268.1
Open Pit	SRK22-OP-BH-10	51.2	SRK22-OP-CPT-08	12	0	4	3	472344.6	5408034.7	268.7
Low Grade	SRK22-LG-BH-01	38.7	SRK22-LG-CPT-02	5	0	3	3	471539.9	5409962.5	266.8
West Overburden Stockpile	SRK22-WOS-BH-01	36.9	SRK22-WOS-CPT-01	7	2	3	3	471913.1	5409079.0	267.9
Hydrology Hole	SRK22-HG-BH-03	50.9	SRK22-HG-CPT-03	9	1	3	3	471290.8	5408643.5	269.2
Low Grade	SRK22-LG-BH-05	25.8	SRK21-LG-CPT-01	10	0	2	4	470922.8	5409700.0	268.5
Plant Facility	SRK22-PF-BH-03	48.2	SRK22-PF-CPT-03	18	0	3	3	470720.2	5409122.4	268.2
Hydrology Hole	SRK22-HG-BH-01	30.2	SRK22-HG-CPT-01	14	0	3	3	471301.8	5408063.9	269.7
Tailings Storage Facility	SRK22-TSF-BH-28	32.6	No	14	0	2	3	472174.5	5404745.6	274.0
Tailings Storage Facility	SRK22-TSF-BH-26	57.3	SRK22-TSF-CPT-17	22	4	2	4	472151.3	5405899.0	270.6
South Overburden Stockpile	SRK22-SOS-BH-02	58.5	SRK22-SOS-CPT-01	19	1	3	3	473550.2	5407565.7	270.2
Tailings Storage Facility	SRK22-TSF-BH-22	42.1	No	20	1	2	4	473635.1	5407077.7	271.5
Tailings Storage Facility	SRK22-TSF-BH-31	47.6	SRK22-TSF-CPT-23	24	2	2	3	476613.1	5403416.9	279.5
Tailings Storage Facility	SRK22-TSF-BH-16	39.0	SRK22-TSF-CPT-11	19	0	2	3	474680.4	5405751.0	275.5
Tailings Storage Facility	SRK22-TSF-BH-32	51.2	No	12	1	0	3	473323.3	5402577.5	287.7
Tailings Storage Facility	SRK22-TSF-BH-34	24.7	SRK22-TSF-CPT-21	6	0	1	2	473367.3	5401917.2	282.9
Tailings Storage Facility	SRK22-TSF-BH-30	26.5	SRK22-TSF-CPT-20	8	1	2	3	473203.8	5403616.2	278.2

Notes: As-built coordinates were provided by CNC

[1] masl: meter above sea level

Table 3.3: CPT Locations

Location	CPT ID	Total Depth (m)	PPD test	Seismic test	Easting	Northing	Elevation (masl[1])
Open Pit	SRK21-OP-CPT-11	14.3	6	0	473288.7	5409861.1	276.2
Open Pit	SRK21-OP-CPT-10	28.4	6	0	473669.8	5408843.6	273.9
Open Pit	SRK21-OP-CPT-05	6.2	4	5	474643.7	5408404.1	275.8
Tailings Storage Facility	SRK21-TSF-CPT-14	23.7	5	15	474803.6	5406446.2	273.1
Tailings Storage Facility	SRK21-TSF-CPT-08	18.3	5	13	473368.7	5406518.5	271.8
Tailings Storage Facility	SRK21-TSF-CPT-06	24.8	6	0	473060.0	5405095.5	273.7
Open Pit	SRK21-OP-CPT-07	37.9	0	0	472915.9	5407945.3	271.4
Tailings Storage Facility	SRK21-TSF-CPT-07	6.3	2	0	471109.4	5405833.7	269.2
North Waste Rock Stockpile	SRK21-NWR-CPT-01	22.4	5	17	472425.0	5411995.1	275.7
Plant Facility	SRK21-PF-CPT-01	25.9	10	15	470436.0	5408143.0	275.8
Plant Facility	SRK21-PF-CPT-02	15.5	4	10	470627.7	5407773.3	272.9
North Waste Rock Stockpile	SRK21-NWR-CPT-07/B	2.3	2	4	472322.0[2]	5412700.0[2]	278.1[3]
Tailings Storage Facility	SRK21-OP-CPT-02	11.8	3	11	474519.5	5410198.4	276.2
Low Grade Stockpile	SRK21-LGS-CPT-01	5.1	0	0	471373.0	5412363.0	270.2
Low Grade Stockpile	SRK21-LGS-CPT-05	27.4	6	15	470734.0	5410659.9	268.8
Low Grade	SRK21-LG-CPT-05	14.4	3	12	470416.8	5411970.8	269.0
Tailings Storage Facility 2	SRK21-TSF2-CPT-102	27.0	6	16	468248.3	5408283.9	274.6
Open Pit	SRK21-OP-CPT-01	18.4	7	15	473121.2	5410247.0	275.4
North Waste Rock Stockpile	SRK21-WRD-CPT-17	23.2	3	6	472209.0	5415177.0	283.5
Plant Facility	SRK21-PF-CPT-04	40.0	7	18	469821.0	5409116.0	272.1
Waste Rock Dump	SRK22-WRD-CPT-10	19.4	3	14	474459.9	5410758.1	274.8
Open Pit	SRK22-OP-CPT-03	9.1	4	0	475141.0	5410291.0	275.1
Open Pit	SRK22-OP-CPT-04	9.6	3	0	474415.9	5409303.5	276.7
Tailings Storage Facility	SRK22-TSF-CPT-01	21.1	6	21	475834.4	5409900.8	271.9
Tailings Storage Facility	SRK22-TSF-CPT-01A	9.5	3	0	475546.2	5408903.2	273.5
Tailings Storage Facility	SRK22-TSF-CPT-10	18.9	4	14	476082.0	5408199.0	273.4
Tailings Storage Facility	SRK22-TSF-CPT-13	10.0	2	9	476950.0	5408237.0	273.3

Location	CPT ID	Total Depth (m)	PPD test	Seismic test	Easting	Northing	Elevation (masl[1])
Tailings Storage Facility	SRK22-TSF-CPT-03	12.1	3	7	476802.9	5407119.2	273.8
Tailings Storage Facility	SRK22-TSF-CPT-04	22.0	4	17	476789.0	5405122.0	275.7
Tailings Storage Facility	SRK22-TSF-CPT-18	26.0	6	15	476772.0	5405731.1	274.8
Tailings Storage Facility	SRK22-TSF-CPT-09	9.4	2	8	475244.8	5408202.2	275.5
Open Pit	SRK22-OP-CPT-06	27.4	6	15	474051.2	5407894.1	272.2
Tailings Storage Facility	SRK22-TSF CPT-15	10.0	0	10	475196.0	5407089.0	275.5
Waste Rock Dump	SRK22-WRD-CPT-14	12.6	4	8	471711.0[2]	5412880.0[2]	271.4[3]
Waste Rock Dump	SRK22-WRD-CPT-16	9.1	2	5	471452.7	5413770.5	272.5
Waste Rock Dump	SRK22-WRD-CPT-15	8.8	1	4	471391.0[2]	5412030.0[2]	271.4[3]
Open Pit	SRK22-OP-CPT-09	27.9	6	16	472190.9	5409527.0	268.1
Open Pit	SRK22-OP-CPT-12	33.9	7	16	472473.9[2]	5408932.0[2]	270.0[3]
Open Pit	SRK22-OP-CPT-08	24.2	5	15	472344.6	5408034.7	268.7
Low Grade	SRK22-LG-CPT-02	31.3	7	17	471539.9	5409962.5	266.8
West Overburden Stockpile	SRK22-WOS-CPT-01	21.7	5	15	471913.1	5409079.0	267.9
Hydrology Hole	SRK22-HG-CPT-03	28.0	6	16	471290.8	5408643.5	269.2
Hydrology Hole	SRK22-HG-CPT-01	25.3	6	15	471301.8	5408063.9	269.7
Plant Facility	SRK22-PF-CPT-03	34.6	7	15	470720.2	5409122.4	268.2
Low Grade	SRK22-LG-CPT-01	22.9	5	13	470922.8	5409700.0	268.5
Low Grade	SRK22-LG-CPT-06	10.6	3	10	470955.0[2]	5411216.0[2]	268.8[3]
Tailings Storage Facility	SRK22-TSF-CPT-17	22.4	4	8	472151.3	5405899.0	270.6
South Overburden Stockpile	SRK22-SOS-CPT-01	26.4	6	16	473550.2	5407565.7	270.2
Tailings Storage Facility	SRK22-TSF-CPT-11	25.3	5	0	474680.4	5405751.0	275.5
Tailings Storage Facility	SRK22-TSF-CPT-19[4]	25.0	5	0	476764.0[2]	5404247.0[2]	279.5[3]
Tailings Storage Facility	SRK22-TSF-CPT-23	24.0	5	17	476613.1	5403416.9	279.5
Tailings Storage Facility	SRK22-OP-CPT-16	24.9	5	13	471939.0[2]	5410337.0[2]	266.8[3]
Low Grade	SRK22-LG-CPT-03	20.0	5	14	471895.0[2]	5410683.0[2]	268.8[3]
Tailings Storage Facility	SRK22-TSF-CPT-21	20.9	6	15	473367.3	5401917.2	282.9
Tailings Storage Facility	SRK22-TSF-CPT-20	22.7	4	15	473203.8	5403616.2	278.2

Notes: As-built coordinates were paired with the adjacent borehole

[1] masl: meter above sea level
[2] Coordinates were acquired from CONETEC
[3] Indicated elevation was taken from the closest borehole
[4] Indicated CPT ID was renamed to match the original proposed name. The name given in the field was SRK22-TSF-CPT-29

4 Monitoring Well Installations

Standpipe piezometers were installed in 20 locations to monitor groundwater levels in the foundation soil. In total, 23 standpipes were installed. Each installation consisted of an open PVC standpipe of 50.8 mm (2 in). The usual screen length was 3 m (10 ft) except the 1.5 m (5 ft) screen located at boreholes SRK22-TSF-BH-11 and SRK22-OP-BH-08. Installation details and screen elevations are shown in the boreholes logs in Appendix A. The screen elevations, thickness of the drainage sand and bentonite was determined by the SRK field representative supervising the installation. The PVC standpipe piezometers were protected using a square shape steel casing that raised approximately 1.0 m above the ground floor.

Table 4.1 presents a summary of the monitoring well locations, borehole IDs, ground elevations, and screen elevations.

Table 4.1: Monitoring well installation summary

Borehole ID	Ground Elevation (masl[1])	Hole Depth (mbgs[2])	Easting	Northing	Well PVC Stick-Up (m)	Top of Screened Interval (mbgs[2])	Bottom of Screened Interval (mbgs[2])	Water Level (mbgs[2])
SRK21-PF-BH-02	272.9	20.1	470627.7	5407773.3	1.1	9.0	12.0	N/A
SRK21-NWR-BH-01	278.1	57.3	472323.7	5412704.6	0.94	36.1	39.1	N/A
SRK22-OP-BH-06	276.7	50.3	474415.9	5409303.5	1.1	43.1	46.2	N/A
SRK22-TSF-BH-01A	273.5	40.0	475546.2	5408903.2	0.7	32.2	35.2	N/A
SRK22-TSF-BH-15-A	273.7	66.1	476802.9	5407119.2	0.83	24.4	27.4	4.2[5]
SRK22-TSF-BH-15-B	274.5	21.9	476804.8	5407117.7	0.81	18.6	21.6	4.6[5]
SRK22-TSF-BH-11	275.5	38.1	475244.8	5408202.2	0.9	32.0	33.5	6.3[3]
SRK22-OP-BH-08	272.2	41.8	474051.2	5407894.1	1.0	36.4	37.9	N/A
SRK22-TSF-BH-06	275.9	35.4	475084.8	5407684.0	1.0	26.8	29.9	N/A
SRK22-OP-BH-01	268.1	39.0	472190.9	5409526.9	0.9	29.9	32.9	0.2[3]
SRK22-WOS-BH-01	267.9	36.9	471913.0	5409079.0	0.8	22.3	25.3	0.6[4]
SRK22-HG-BH-03	269.2	50.9	471290.8	5408643.4	0.9	27.7	30.8	0.6[5]
SRK22-TSF-BH-28-A	274.0	32.6	472174.5	5404745.6	0.99	25.6	28.7	2.5[7]
SRK22-TSF-BH-28-B	274.1	22.6	472174.4	5404747.1	0.8	19.2	22.3	0.2[7]
SRK22-HG-BH-01	269.7	30.2	471301.8	5408063.9	1.0	23.8	26.8	1.12[6]
SRK22-TSF-BH-26-A	271.5	57.3	472151.3	5405898.9	0.92	45.1	48.2	1.8[8]
SRK22-TSF-BH-26-B	271.5	26.0	472153.0	5405899.0	0.9	22.6	25.6	1.8[6]
SRK22-SOS-BH-02	270.2	58.5	473550.2	5407565.7	1.2	39.6	42.7	1.3[9]
SRK22-TSF-BH-22	271.4	42.1	473635.1	5407077.7	1.0	24.4	27.4	N/A

Borehole ID	Ground Elevation (masl[1])	Hole Depth (mbgs[2])	Easting	Northing	Well PVC Stick-Up (m)	Top of Screened Interval (mbgs[2])	Bottom of Screened Interval (mbgs[2])	Water Level (mbgs[2])
SRK22-TSF-BH-31	279.5	47.6	476613.1	5403416.9	1.0	32.0	35.1	N/A
SRK22-TSF-BH-16	275.5	36.3	474680.4	5405751.0	1.2	24.7	27.7	N/A
SRK22-TSF-BH-34	282.9	24.7	473367.3	5401917.2	1.0	19.8	22.9	N/A
SRK22-TSF-BH-30	278.2	26.5	473203.8	5403616.2	1.2	21.9	25.0	N/A

Notes: As-built coordinates were provided by a handheld GPS. Shown elevations represent the available information at the moment of compiling this document.

[1] masl: meters above sea level

[2] Indicated test pits were surveyed

[3] Measured on March 03, 2022. SRK22-OP-BH-01 was frozen.

[4] Measured on March 04, 2022

[5] Measured on March 06, 2022

[6] Measured on March 11, 2022

[7] Measured on March 13, 2022

[8] Measured on March 17, 2022

[9] Measured on March 18, 2022

5 Geotechnical Laboratory Testing

A list of the geotechnical laboratory testing and select samples analyzed is provided in Table 5.1. Sample location, type, and descriptions are shown in the borehole and test pit logs included in Appendix A and Appendix C. Samples for index testing were assigned to WSP Golder's laboratory in Sudbury, ON, while advanced testing was performed in WSP Golder's laboratory in Mississauga, ON. Upon the delivery of this memo, SRK has requested 739 index tests and 44 advanced laboratory tests. WSP-Golder provided 310 index tests and 13 advanced laboratory tests to further assist the field investigation.

Table 5.1: Geotechnical Lab Testing

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK22-QPV-TP-01	3.2	3.5	9998	✓	✓	✓					
SRK	SRK22-QPV-TP-01	5.7	6	9999	✓	✓	✓					
SRK	SRK21-OP-BD-11	19.8	20.1	35101	✓	✓						
SRK	SRK21-OP-BD-11	26.2	26.5	35103	✓	✓	✓					
SRK	SRK21-OP-BD-11	28.04	28.35	35104	✓	✓						
SRK	SRK21-OP-BD-11	35.1	35.4	35105	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BD-11	36	36.6	35106	✓							
SRK	SRK21-OP-BD-11	36.58	36.88	35107	✓	✓						
SRK	SRK21-OP-BD-11	37.8	38.1	35108	✓	✓	✓					
SRK	SRK21-OP-BH-07	1.8	2.1	35110	✓	✓	✓	✓				
SRK	SRK21-OP-BH-07	4.7	5	35111	✓	✓	✓					
SRK	SRK21-OP-BH-07	3	3.4	35112	✓		✓					
SRK	SRK21-OP-BH-07	6.4	6.7	35113	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	7	7.6	35114	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	9.4	9.8	35116	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	14	14.3	35119	✓		✓[1]					
SRK	SRK21-OP-BH-07	14.6	15.2	35121	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	18.29	18.59	35124	✓	✓	✓					
SRK	SRK21-OP-BH-07	19.7	20	35125	✓							
SRK	SRK21-OP-BH-07	20.7	21.3	35126	✓	✓	✓	✓				
SRK	SRK21-OP-BH-07	22.86	23.16	35128	✓	✓	✓					
SRK	SRK21-OP-BH-07	25.9	26.2	35130	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	29.9	30.5	35133	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	30.8	31.1	35134	✓		✓[1]					
SRK	SRK21-OP-BH-07	34.7	35.1	35136	✓	✓	✓[1]					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-OP-BH-07	39	39.6	35138	✓	✓	✓[1]					
SRK	SRK21-OP-BH-07	44.2	44.5	35143	✓	✓	✓[1]					
SRK	SRK21-OP-BD-03	33.5	33.8	35151	✓	✓	✓[1]					
SRK	SRK21-OP-BH-05	4.9	5.2	35152	✓	✓	✓					
SRK	SRK21-OP-BH-05	7	7.3	35153	✓							
SRK	SRK21-OP-BH-05	11	11.3	35154	✓							
SRK	SRK21-OP-BH-05	11.6	12.2	35155	✓	✓	✓[1]					
SRK	SRK21-OP-BH-05	14	14.3	35156	✓	✓	✓					
SRK	SRK21-OP-BH-05	14.6	15.2	35157	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BH-05	20.7	21.3	35159	✓	✓	✓[1]					
SRK	SRK21-OP-BD-12	6.1	6.4	35164	✓							
SRK	SRK21-OP-BD-12	7.16	7.77	35165	✓	✓	✓	✓	✓	✓		
SRK	SRK21-OP-BD-12	10.7	11	35166	✓							
SRK	SRK21-OP-BD-12	19.2	19.5	35170	✓	✓	✓					
SRK	SRK21-OP-BD-12	29.9	30.5	35174	✓	✓		✓				
SRK	SRK21-OP-BD-12	30.8	31.1	35175	✓							
SRK	SRK21-OP-BD-12	36	36.3	35178	✓	✓	✓[1]					
SRK	SRK21-OP-BD-12	38.4	38.7	35179	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BD-12	39	39.6	35180	✓							
SRK	SRK21-OP-BD-05	1.5	1.8	35182	✓	✓	✓					
SRK	SRK21-OP-BD-05	2.7	3	35183	✓							
SRK	SRK21-OP-BD-05	4.9	5.2	35184	✓	✓	✓					
SRK	SRK21-OP-BD-05	11	11.3	35187	✓							
SRK	SRK21-OP-BD-05	13.4	13.7	35188	✓							
SRK	SRK21-OP-BD-11	2.1	2.4	35192	✓	✓	✓					
SRK	SRK21-OP-BD-11	7.6	7.9	35194	✓							
SRK	SRK21-OP-BD-11	10.4	10.7	35196	✓	✓	✓					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-OP-BD-11	14	14.3	35197	✓	✓	✓					
SRK	SRK21-OP-BD-10	2.74	3.35	35203	✓	✓	✓	✓	✓	✓		
SRK	SRK21-OP-BD-10	4.9	5.2	35205	✓	✓	✓[1]					
SRK	SRK21-OP-BD-10	5.5	6.1	35206	✓	✓	✓[1]					
SRK	SRK21-OP-BH-04	2.44	3.05	35220	✓	✓	✓	✓	✓	✓		
SRK	SRK21-OP-BH-04	9.4	9.8	35224	✓	✓	✓					
SRK	SRK21-LGS-BH-08	5.48	6.09	35237	✓	✓	✓	✓		✓		
SRK	SRK21-LGS-BH-08	10.7	11	35239	✓	✓	✓					
SRK	SRK21-LGS-BH-08	11.58	12.19	35240	✓	✓	✓		✓	✓		
SRK	SRK21-LGS-BH-08	17.67	18.28	35243	✓	✓	✓	✓	✓	✓		
SRK	SRK21-LGS-BH-08	25.9	26.2	35247	✓	✓	✓[1]	✓				
SRK	SRK21-NWR-BH-07	16.5	16.8	35252	✓	✓	✓		✓			
SRK	SRK21-NWR-BH-07	18	18.6	35255	✓	✓	✓		✓			
SRK	SRK21-NWR-BH-07	23.3	23.6	35257	✓	✓						
SRK	SRK21-NWR-BH-07	24.4	24.7	35258	✓	✓	✓[1]	✓				
SRK	SRK21-NWR-BH-07	25.9	26.2	35259	✓	✓	✓[1]	✓				
SRK	SRK21-NWR-BH-07	28.7	29	35261	✓	✓						
SRK	SRK21-NWR-BH-07	31.7	32	35263	✓	✓	✓					
SRK	SRK21-NWR-BH-07	34.7	35.1	35264	✓	✓	✓[1]					
SRK	SRK21-OP-BD-09	3.7	4.0	36151	✓			✓				
SRK	SRK21-OP-BD-09	7.6	7.9	36152	✓	✓	✓					
SRK	SRK21-OP-BD-09	10.7	11.0	36153	✓							
SRK	SRK21-OP-BD-09	19.8	20.1	36154	✓	✓	✓					
SRK	SRK21-OP-BD-09	25.9	26.2	36155	✓							
SRK	SRK21-OP-BD-09	31.7	32.9	36156	✓	✓	✓					
SRK	SRK21-OP-BD-09	35.1	35.4	36157	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BD-06	1.8	2.1	36158	✓	✓	✓					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-OP-BD-06	4.9	5.2	36159	✓			✓				
SRK	SRK21-OP-BD-06	10.7	11	36160	✓	✓	✓					
SRK	SRK21-OP-BD-08	1.8	2.1	36161	✓	✓	✓					
SRK	SRK21-OP-BD-08	4.6	4.9	36162	✓							
SRK	SRK21-OP-BD-08	8.2	8.5	36163	✓							
SRK	SRK21-OP-BD-08	12.8	13.1	36164	✓	✓	✓	✓				
SRK	SRK21-OP-BD-08	16.8	17.1	36165	✓	✓	✓[1]					
SRK	SRK21-OP-BD-08	20.7	21.3	36167	✓							
SRK	SRK21-OP-BD-08	26.8	27.4	36170	✓							
SRK	SRK21-OP-BD-08	29	29.3	36171	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BD-08	34.7	35.1	36174	✓	✓	✓[1]					
SRK	SRK21-OP-BD-08	38.7	39	36175	✓							
SRK	SRK21-OP-BD-08	41.1	41.5	36176	✓	✓	✓[1]					
SRK	SRK21-OP-BD-08	44.5	44.8	36177	✓							
SRK	SRK21-OP-BD-08	45.1	45.7	36178	✓	✓	✓[1]					
SRK	SRK21-OP-BD-08	46.9	47.2	36179	✓	✓	✓					
SRK	SRK21-OP-BD-08	49.4	49.7	36180	✓							
SRK	SRK21-OP-BD-08	54.9	55.2	36181	✓							
SRK	SRK21-OP-BD-08	67.1	67.4	36183	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BD-08	74.4	74.7	36184	✓							
SRK	SRK21-OP-BD-08	82.6	82.9	36185	✓	✓	✓[1]					
SRK	SRK21-OP-BD-03	1.8	2.1	36186	✓	✓	✓					
SRK	SRK21-OP-BD-03	9.4	9.8	36188	✓							
SRK	SRK21-OP-BD-03	13.10	13.4	36191	✓							
SRK	SRK21-OP-BD-03	16.8	17.1	36192	✓							
SRK	SRK21-OP-BD-03	18.3	18.9	36193	✓	✓	✓				✓	
SRK	SRK21-OP-BD-03	19.8	20.1	36194	✓							

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-OP-BD-03	23.8	24.4	36197	✓	✓	✓[1]					
SRK	SRK21-OP-BD-03	29.3	29.6	36199	✓							
SRK	SRK21-OP-BD-03	29.9	30.5	36200	✓	✓	✓[1]					
SRK	SRK21-OP-BH-09	18	18.6	36204	✓	✓	✓	✓	✓		✓	
SRK	SRK21-OP-BH-09	20.3	20.6	36206	✓	✓	✓					
SRK	SRK21-OP-BH-09	25.9	26.2	36208	✓	✓	✓					
SRK	SRK21-OP-BH-09	29.9	30.5	36210	✓	✓	✓[1]					
SRK	SRK21-OP-BH-09	35.1	35.4	36212	✓	✓	✓[1]					
SRK	SRK21-OP-BH-09	40.5	40.8	36215	✓	✓	✓[1]					
SRK	SRK21-OP-BH-09	44.5	44.8	36217	✓	✓	✓[1]					
SRK	SRK21-OP-BH-09	50.3	50.6	36220	✓	✓	✓[1]	✓				
SRK	SRK21-NWR-BH-07	5.5	6.1	36249	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-08	36	36.3	38670	✓	✓						
WSP-Golder	SRK21-TSF-BH-10	26.2	26.5	58253	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-19	7.62	8.23	58263	✓	✓	✓		✓			
WSP-Golder	SRK21-TSF-BH-19	10.7	11.3	58266	✓	✓	✓					✓
WSP-Golder	SRK21-TSF-BH-09	5.5	6.1	58289	✓	✓	✓					✓
WSP-Golder	SRK21-TSF-BH-09	11.6	12.2	58292	✓	✓	✓			✓		
WSP-Golder	SRK21-TSF-BH-09	17.7	18.3	58295	✓	✓		✓				
WSP-Golder	SRK21-TSF-BH-09	27.7	28	58300	✓	✓						
WSP-Golder	SRK21-TSF-BH-07	2.0	2.3	58305	✓	✓	✓	✓				
WSP-Golder	SRK21-TSF-BH-07	8.2	8.8	58309	✓	✓	✓					✓
WSP-Golder	SRK21-TSF-BH-07	12.8	13.4	58312	✓	✓	✓			✓		
WSP-Golder	SRK21-TSF-BH-07	21.3	21.6	58315	✓	✓						
WSP-Golder	SRK21-TSF-BH-07	32.6	32.9	58322	✓	✓						
SRK	SRK21-OP-BD-02	0.8	1.1	58326	✓	✓	✓					
SRK	SRK21-OP-BD-02	4.9	5.2	58328	✓	✓	✓					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-OP-BD-02	10.4	10.7	58331	✓	✓	✓					
SRK	SRK21-OP-BD-02	19.5	19.8	58335	✓	✓	✓					
SRK	SRK21-OP-BD-02	25.6	25.9	58337	✓		✓					
SRK	SRK21-OP-BD-02	30.2	30.5	58338	✓	✓	✓					
SRK	SRK21-OP-BD-02	34.7	35.1	58341	✓	✓	✓[1]	✓				
SRK	SRK21-OP-BD-02	39.6	39.9	58343	✓	✓	✓[1]					
SRK	SRK21-OP-BH-09	1.5	1.8	58345	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-17	6	6.2	58353	✓							
WSP-Golder	SRK21-TSF-BH-17	10	10.2	58355	✓	✓						
WSP-Golder	SRK21-TSF-BH-17	26.4	26.8	58358	✓	✓						
WSP-Golder	SRK21-TSF-BH-08	3.7	4	58362	✓	✓						
WSP-Golder	SRK21-TSF-BH-08	15.2	15.5	58366	✓	✓						
WSP-Golder	SRK21-TSF-Bh-08	36	36.3	58370	✓	✓	✓					
SRK	SRK21-PF-BH-02	5.49	6.10	58380	✓	✓	✓		✓	✓		
SRK	SRK21-PF-BH-02	9.1	9.4	58381	✓	✓		✓				
SRK	SRK21-PF-BH-02	11	11.3	58382	✓	✓		✓	✓			
SRK	SRK21-PF-BH-02	14.9	15.5	58383	✓	✓	✓[1]					
WSP-Golder	SRK21-TSF-BH-18	4	4.6	58385	✓	✓	✓			✓		
WSP-Golder	SRK21-TSF-BH-18	16.2	16.8	58389	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-18	26.8	27.1	58392	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-18	32	32.3	58394	✓	✓						
WSP-Golder	SRK21-TSF-BH-18	42.4	43	58397	✓	✓	✓[1]					
WSP-Golder	SRK21-TSF-BH-18	45.1	45.4	58399	✓	✓	✓					
SRK	SRK21-SOS-BH-01	20.42	20.73	58437	✓	✓						
SRK	SRK21-SOS-BH-01	20.88	21.18	58439	✓	✓						
SRK	SRK21-SOS-BH-01	23.77	24.38	58441	✓	✓						
SRK	SRK21-SOS-BH-01	28.96	29.26	58445	✓	✓						

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-SOS-BH-01	33.53	33.83	58447	✓	✓	✓					
SRK	SRK21-SOS-BH-01	36.88	37.19	58449	✓	✓						
SRK	SRK21-OP-BD-01	4.9	5.2	58454	✓	✓	✓					
SRK	SRK21-OP-BD-01	7.6	7.9	58455	✓		✓					
SRK	SRK21-OP-BD-01	10.7	11	58456	✓		✓					
SRK	SRK21-OP-BD-01	8.5	9.1	58459	✓	✓	✓	✓	✓	✓	✓	
SRK	SRK21-OP-BD-01	16.5	16.8	58461	✓	✓	✓					
SRK	SRK21-OP-BD-01	22.6	22.9	58463	✓	✓	✓	✓				
SRK	SRK21-OP-BD-01	26.2	26.5	58464	✓	✓	✓[1]					
SRK	SRK21-OP-BD-01	29.3	29.6	58467	✓							
SRK	SRK21-OP-BD-01	29.9	30.5	58468	✓							
SRK	SRK21-OP-BD-01	35.1	35.4	58472	✓	✓	✓[1]					
SRK	SRK21-OP-BD-01	36	36.6	58473	✓							
SRK	SRK21-OP-BD-01	39	39.6	58475	✓	✓	✓[1]					
SRK	SRK21-OP-BD-01	40.7	41	58476	✓		✓[1]	✓				
SRK	SRK21-OP-BD-01	42.1	42.7	58478	✓	✓	✓[1]					
SRK	SRK21-OP-BD-01	45	45.3	58480	✓	✓	✓[1]					
WSP-Golder	SRK21-TSF-BH-10	0.9	1.2	58485	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-10	5.0	5.3	58489	✓	✓	✓					
WSP-Golder	SRK21-TSF-BH-10	7.9	8.5	58491	✓	✓	✓			✓		
WSP-Golder	SRK21-TSF-BH-10	14.0	14.6	58495	✓	✓	✓					✓
WSP-Golder	SRK21-TSF-BH-10	22	22.3	58499	✓	✓	✓	✓				
WSP-Golder	SRK22-TSF-BH-04	4.6	4.9	167004	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-04	8.2	8.5	167006	✓	✓						
WSP-Golder	SRK22-TSF-BH-15	3	3.4	167008	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-15	12.8	13.1	167012	✓	✓						
WSP-Golder	SRK22-TSF-BH-15	22.3	22.6	167019	✓	✓						

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
WSP-Golder	SRK22-TSF-BH-15	26.8	27.4	167021	✓	✓						
WSP-Golder	SRK22-TSF-BH-15	38.1	38.4	167023	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-15	64.9	65.2	167030	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-05	7.3	7.6	167035	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-05	16.8	17.4	167039	✓	✓						
WSP-Golder	SRK22-TSF-BH-05	32	32.3	167042	✓	✓						
WSP-Golder	SRK22-TSF-BH-25	4.9	5.5	167048	✓	✓	✓	✓				
WSP-Golder	SRK22-TSF-BH-26	47.5	47.9	167053	✓	✓						
WSP-Golder	SRK22-TSF-BH-26	48.2	48.5	167054	✓	✓	✓					
SRK	SRK22-SOS-BH-02	5.5	6.1	167063	✓	✓	✓					
SRK	SRK22-SOS-BH-02	18	18.6	167068	✓	✓	✓					
SRK	SRK22-SOS-BH-02	28.3	28.7	167073	✓	✓	✓[1]	✓				
SRK	SRK22-SOS-BH-02	41.5	41.8	167078	✓	✓		✓				
SRK	SRK22-SOS-BH-02	43.3	43.6	167079	✓	✓	✓[1]					
SRK	SRK22-SOS-BH-02	46	46.3	167080	✓	✓						
WSP-Golder	SRK22-TSF-BH-22	10.7	11	167089	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-22	18.6	18.9	167092	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-22	24.7	25	167095	✓	✓						
WSP-Golder	SRK22-TSF-BH-22	28.7	29	167096	✓	✓	✓					
SRK	SRK22-WRD-BH-17	5.18	5.49	167117	✓	✓						
SRK	SRK22-WRD-BH-17	7.62	7.92	167118	✓	✓						
SRK	SRK22-WRD-BH-17	10.67	10.97	167120	✓	✓	✓[1]					
SRK	SRK22-WRD-BH-17	19.51	19.81	167123	✓	✓	✓[1]					
SRK	SRK22-WRD-BH-17	22.86	23.16	167125	✓	✓						
SRK	SRK22-WRD-BH-17	28.34	28.65	167127	✓	✓						
SRK	SRK22-WRD-BH-17	35.05	35.36	167129	✓	✓	✓[1]					
SRK	SRK22-WRD-BH-17	37.80	38.10	167130	✓	✓						

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK22-HG-BH-03	36.3	36.6	167260	✓	✓	✓[1]					
SRK	SRK22-HG-BH-03	46.3	46.6	167262	✓	✓	✓[1]					
SRK	SRK22-LG-BH-05	5.2	5.8	167271	✓	✓	✓					
SRK	SRK22-LG-BH-05	10.4	10.7	167273	✓	✓	✓					
SRK	SRK22-LG-BH-05	11.3	11.9	167274	✓	✓	✓		✓			
SRK	SRK22-LG-BH-05	21.5	21.8	167277	✓	✓	✓	✓				
SRK	SRK22-PF-BH-03	11.58	12.19	167292	✓	✓	✓			✓		
SRK	SRK22-PF-BH-03	17.7	18.3	167294	✓				✓			
SRK	SRK22-PF-BH-03	19.5	19.8	167295	✓	✓	✓					
SRK	SRK22-PF-BH-03	22.6	22.9	167296	✓	✓			✓			
SRK	SRK22-PF-BH-03	32.6	32.9	167297	✓	✓	✓[1]	✓				
SRK	SRK22-PF-BH-03	33.8	34.1	167298	✓	✓			✓			
SRK	SRK22-PF-BH-03	35.7	36	167299	✓	✓	✓[1]					
SRK	SRK22-PF-BH-03	39.6	39.9	167300	✓	✓						
WSP-Golder	SRK22-TSF-BH-23	3.66	4.27	167304	✓					✓		
WSP-Golder	SRK22-TSF-BH-23	5.5	5.7	167305	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-23	8.2	8.4	167307	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-23	10.4	10.7	167308	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-23	19.5	19.8	167311	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-23	21.3	21.6	167313	✓	✓						
WSP-Golder	SRK22-TSF-BH-23	27.4	27.7	167318	✓	✓						
WSP-Golder	SRK22-TSF-BH-06	5.2	5.5	167324	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-06	10.7	11	167327	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-06	19.8	20.1	167331	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-06	29.6	29.9	167335	✓	✓						
SRK	SRK22-OP-BH-01	0.6	0.9	167352		✓	✓					
SRK	SRK22-OP-BH-01	31.7	32	167363	✓	✓	✓[1]					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK22-OP-BH-01	34.44	34.75	167364	✓	✓						
SRK	SRK22-OP-BH-10	5.8	6.4	167369	✓	✓	✓					
SRK	SRK22-OP-BH-10	11.6	12.2	167373	✓	✓	✓					
SRK	SRK22-OP-BH-10	43.3	43.6	167381	✓	✓	✓[1]	✓				
SRK	SRK22-LG-BH-01	5.18	5.79	167383	✓	✓	✓	✓	✓	✓		
SRK	SRK22-LG-BH-01	11.3	11.9	167385	✓	✓	✓					
SRK	SRK22-LG-BH-01	26.2	26.5	167387	✓	✓	✓[1]	✓				
SRK	SRK22-LG-BH-01	27.73	28.34	167388	✓	✓	✓	✓	✓	✓		
SRK	SRK22-LG-BH-01	31.7	32	167389	✓	✓	✓[1]					
SRK	SRK22-WOS-BH-01	5.18	5.79	167390	✓	✓	✓		✓	✓		
SRK	SRK22-WOS-BH-01	11.28	11.89	167392	✓	✓	✓		✓	✓		
SRK	SRK22-WOS-BH-01	17.37	17.98	167394	✓	✓	✓			✓		
SRK	SRK22-WOS-BH-01	21.9	22.3	167395	✓	✓						
SRK	SRK22-WOS-BH-01	25.6	25.9	167396	✓	✓	✓[1]	✓				
SRK	SRK22-WOS-BH-01	26.8	27.4	167397	✓	✓	✓[1]					
SRK	SRK22-WOS-BH-01	29.6	29.9	167398	✓	✓						
SRK	SRK22-WOS-BH-01	29.9	30.5	167399	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-32	7.6	7.9	167413	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-32	10.7	11	167414	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-32	22.9	23.2	167416	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-34	11.3	11.6	167424	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-34	14.3	14.6	167425	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-34	22.3	22.6	167427		✓						
WSP-Golder	SRK22-TSF-BH-30	4.3	4.6	167437	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-30	8.2	8.5	167439	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-30	15.8	16.2	167441	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-30	22.9	23.2	167443		✓						

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
WSP-Golder	SRK22-TSF-BH-25	16.2	17.7	167454	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-25	19.2	20.7	167455	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-25	26.2	26.5	167458	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-25	39.3	39.6	167464	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-25	57.9	58.2	167472	✓	✓						
WSP-Golder	SRK22-TSF-BH-25	64	64.6	167475	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-25	73.2	73.8	167479	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-27	11.9	12.5	167488								✓
WSP-Golder	SRK22-TSF-BH-27	15.8	16	167490	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-27	20.1	20.4	167492	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-27	23.2	23.5	167493	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-27	29.3	29.6	167496	✓	✓						
SRK	SRK21-LG-BH-04	5.5	6.1	167504	✓	✓	✓					
SRK	SRK21-LG-BH-04	11.59	12.20	167506	✓	✓	✓		✓			
SRK	SRK21-LG-BH-04	12.8	13.1	167507	✓	✓	✓					
SRK	SRK21-LG-BH-04	14	14.3	167508	✓	✓		✓				
SRK	SRK21-LG-BH-04	16.8	17.1	167510	✓	✓						
SRK	SRK21-LG-BH-04	19.5	19.8	167511	✓	✓			✓			
SRK	SRK21-LG-BH-04	21.6	21.9	167512	✓	✓	✓[1]	✓				
SRK	SRK21-LG-BH-04	23.2	23.5	167513	✓	✓						
SRK	SRK21-LG-BH-04	25	25.3	167515	✓	✓						
SRK	SRK21-LG-BH-04	25.6	25.9	167516	✓	✓						
SRK	SRK21-LG-BH-04	29	29.3	167517	✓	✓	✓[1]					
SRK	SRK21-LG-BH-04	32	32.3	167518	✓	✓	✓[1]					
WSP-Golder	SRK21-TSF2-BH-103	4	4.3	167526	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-103	7.3	7.6	167529	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-103	10.1	10.4	167532	✓	✓	✓					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
WSP-Golder	SRK21-TSF2-BH-103	19.8	20.1	167538	✓	✓						
WSP-Golder	SRK21-TSF2-BH-103	26.2	26.5	167544	✓	✓						
WSP-Golder	SRK21-TSF2-BH-103	33.5	33.8	167548	✓	✓						
SRK	SRK21-OP-BD-04	8.84	9.14	167606	✓	✓						
SRK	SRK21-OP-BD-04	10.36	10.67	167607	✓	✓						
SRK	SRK21-OP-BD-04	12.80	13.11	167609	✓	✓	✓					
SRK	SRK21-OP-BD-04	15.85	16.15	167611	✓	✓						
SRK	SRK21-OP-BD-04	22.55	22.86	167615	✓	✓						
SRK	SRK21-OP-BD-04	26.21	26.52	167617	✓	✓						
SRK	SRK21-OP-BD-04	35.05	35.36	167621	✓	✓	✓[1]					
SRK	SRK21-OP-BD-04	40.23	40.54	167623	✓	✓						
SRK	SRK22-OP-BH06	6.40	7.01	167628	✓	✓	✓		✓			
SRK	SRK22-OP-BH-06	11.58	12.19	167631	✓	✓						
SRK	SRK22-OP-BH-06	14.63	15.24	167633	✓	✓						
SRK	SRK22-OP-BH-06	17.68	18.29	167635	✓	✓						
SRK	SRK22-OP-BH-06	22.9	23.2	167638	✓	✓	✓[1]					
SRK	SRK22-OP-BH-06	25.60	25.91	167640	✓	✓						
SRK	SRK22-OP-BH-06	32	32.31	167644	✓	✓						
SRK	SRK22-OP-BH-06	37.80	38.1	167648	✓	✓						
SRK	SRK22-OP-BH-06	40.84	41.15	167650	✓	✓						
WSP-Golder	SRK22-TSF-BH-01	7	7.3	167657	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-01	20.3	20.6	167664	✓	✓						
WSP-Golder	SRK22-TSF-BH-01A	6.1	6.4	167670	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-01A	13.1	13.4	167673	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-01A	25.3	25.6	167677	✓	✓						
WSP-Golder	SRK22-TSF-BH-01A	32	32.3	167680	✓	✓						
WSP-Golder	SRK22-TSF-BH-11	4.6	4.9	167704	✓	✓	✓					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
WSP-Golder	SRK22-TSF-BH-11	7.3	7.6	167706	✓	✓						
WSP-Golder	SRK22-TSF-BH-11	33.5	33.8	167716	✓	✓						
SRK	SRK22-OP-BH-08	2.13	2.74	167718	✓	✓	✓			✓		
SRK	SRK22-OP-BH-08	5.2	5.8	167720	✓	✓	✓					
SRK	SRK22-OP-BH-08	31.7	32	167725	✓	✓						
SRK	SRK22-OP-BH-08	33.5	33.8	167726	✓	✓						
SRK	SRK22-OP-BH-08	37.8	38.1	167727	✓	✓						
SRK	SRK22-OP-BH-08	40.8	41.1	167728	✓	✓	✓[1]	✓				
WSP-Golder	SRK22-TSF-BH-22	36.7	37	167740	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-31	7.9	8.5	167746								✓
WSP-Golder	SRK22-TSF-BH-31	11.6	11.9	167748	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-102	4.6	5.2	167755	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-102	7.3	7.6	167758	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-102	17.4	17.7	167764	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-102	25.6	25.9	167770	✓	✓	✓					
WSP-Golder	SRK21-TSF2-BH-102	34.4	34.7	167775	✓	✓	✓					
SRK	SRK21-OP-BH-02	7.3	7.9	167782	✓	✓	✓					
SRK	SRK21-OP-BH-02	11.89	12.50	167785	✓	✓	✓		✓	✓		
SRK	SRK21-OP-BH-02	13.1	13.4	167786	✓	✓	✓					
SRK	SRK21-LGS-BH-01	6.8	6.9	167804	✓	✓	✓		✓			
SRK	SRK21-OP-BH-02	65.5	65.8	167811	✓	✓	✓[1]	✓				
SRK	SRK21-WRD-BH-06	12.2	12.5	167819	✓	✓						
SRK	SRK21-WRD-BH-06	16.15	16.46	167822	✓	✓						
SRK	SRK21-WRD-BH-06	19.2	19.51	167824	✓	✓	✓					
SRK	SRK21-WRD-BH-06	23.16	23.47	167826	✓	✓						
SRK	SRK21-WRD-BH-06	28.35	28.65	167828	✓	✓	✓[1]					
SRK	SRK21-PF-BH-04	7	7.6	167838	✓	✓	✓					

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
SRK	SRK21-PF-BH-04	7	7.3	167839	✓	✓	✓					
SRK	SRK21-PF-BH-04	10.1	10.4	167840	✓	✓						
SRK	SRK21-PF-BH-04	13.1	13.4	167841	✓	✓						
SRK	SRK21-PF-BH-04	16.2	16.5	167843	✓	✓			✓			
SRK	SRK21-PF-BH-04	23.8	24.4	167847	✓	✓	✓[1]	✓				
SRK	SRK21-PF-BH-04	25.3	25.6	167848	✓	✓		✓				
SRK	SRK21-PF-BH-04	27.4	27.7	167849	✓	✓						
SRK	SRK21-PF-BH-04	31.4	31.7	167951	✓	✓	✓[1]					
SRK	SRK21-PF-BH-04	34.4	34.7	167952	✓	✓						
SRK	SRK21-PF-BH-04	37.5	37.8	167953	✓	✓						
SRK	SRK21-WRD-BH16	7.3	7.6	167979	✓	✓	✓					
SRK	SRK21-WRD-BH-16	10.7	11	167980	✓	✓	✓					
SRK	SRK21-WRD-BH-16	11.3	11.9	167981	✓	✓	✓					
SRK	SRK21-WRD-BH-16	17.7	18	167985	✓	✓	✓					
SRK	SRK21-OP-BD-07	6.4	6.7	167993	✓	✓	✓[1]					
SRK	SRK22-PF-BH-03	41.5	41.8	168201	✓	✓	✓					
SRK	SRK22-PF-BH-03	43.9	44.2	168202	✓	✓	✓[1]					
SRK	SRK22-HG-BH-01	19.5	19.8	168212	✓	✓	✓	✓				
SRK	SRK22-HG-BH-01	25.6	25.9	168214	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-28	7	7.3	168222	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-28	15.5	15.8	168226	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-28	27.7	28	168228	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-26	7.3	7.6	168235	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-26	10.7	11	168237	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-26	15.2	15.5	168239	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-26	26.5	26.8	168242	✓	✓						
WSP-Golder	SRK21-TSF-BH-31	15.8	16.5	168401	✓					✓		

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content	PSD	Atterberg Limits	Specific Gravity	Triaxial Test	Consolidation Test	Permeability Test	Direct Shear Test
WSP-Golder	SRK22-TSF-BH-31	21.6	21.9	168403	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-31	31.2	31.5	168407	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-16	8.2	8.5	168422	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-16	14.3	14.6	168425	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-16	19.5	19.8	168428	✓	✓	✓					
WSP-Golder	SRK22-TSF-BH-16	23.2	23.5	168431	✓	✓	✓[1]					
WSP-Golder	SRK22-TSF-BH-16	26.2	26.5	168433	✓	✓						

Notes:

[1] Laboratory results indicate the sample is non-plastic (NP).

[2] Sample identified as rock.

[3] Sample reported as not found

6 Laboratory Test Results

Laboratory testing certificates are provided throughout Appendix E.1-E.6. Summaries for the separate types of testing are presented in the following sections.

6.1 Water Content and Atterberg Limits

Gravimetric water content tests (ASTM D2216-19) were effectively completed on 374 samples; Atterberg Limits (ASTM D4318-17e1) on 165 samples. The results are summarized in Table 6.1. The results of the Atterberg Limits have been plotted on the Unified Plasticity Chart in Figure 6. Complete laboratory test certificates are provided in Appendix E.1.

Table 6.1: Moisture and Atterberg Limits

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK22-QPV-TP-01	3.2	3.5	9998	23.9	37.0	16.0	21.0
SRK	SRK22-QPV-TP-01	5.7	6.0	9999	19.6	23.0	13.0	10.0
SRK	SRK21-OP-BD-11	19.8	20.1	35101	38.2			
SRK	SRK21-OP-BD-11	26.2	26.5	35103	33.4	33.9	19.0	14.9
SRK	SRK21-OP-BD-11	28.0	28.4	35104	10.0			
SRK	SRK21-OP-BD-11	35.1	35.4	35105	10.6	NP	NP	NP
SRK	SRK21-OP-BD-11	36.0	36.6	35106	11.3			
SRK	SRK21-OP-BD-11	36.6	36.9	35107	9.3			
SRK	SRK21-OP-BD-11	37.8	38.1	35108	9.1	17.8	14.0	3.8
SRK	SRK21-OP-BH-07	1.8	2.1	35110	16.3	25.2	14.6	10.6
SRK	SRK21-OP-BH-07	4.7	5.0	35111	20.6	26.2	14.6	11.6
SRK	SRK21-OP-BH-07	3.0	3.4	35112	16.8	24.1	14.2	9.9
SRK	SRK21-OP-BH-07	6.4	6.7	35113	9.9	NP	NP	NP
SRK	SRK21-OP-BH-07	7.0	7.6	35114	11.5	NP	NP	NP
SRK	SRK21-OP-BH-07	9.4	9.8	35116	10.8	NP	NP	NP

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-OP-BH-07	14.0	14.3	35119	16.6	NP	NP	NP
SRK	SRK21-OP-BH-07	14.6	15.2	35121	13.9	NP	NP	NP
SRK	SRK21-OP-BH-07	18.3	18.6	35124	23.1	48.0	24.7	23.3
SRK	SRK21-OP-BH-07	19.7	20.0	35125	9.7			
SRK	SRK21-OP-BH-07	20.7	21.3	35126	13.6	16.3	12.8	3.5
SRK	SRK21-OP-BH-07	22.9	23.2	35128	21.9	27.2	21.0	6.2
SRK	SRK21-OP-BH-07	25.9	26.2	35130	22.4	NP	NP	NP
SRK	SRK21-OP-BH-07	29.9	30.5	35133	15.7	NP	NP	NP
SRK	SRK21-OP-BH-07	30.8	31.1	35134	12.3	NP	NP	NP
SRK	SRK21-OP-BH-07	34.7	35.1	35136	6.6	NP	NP	NP
SRK	SRK21-OP-BH-07	39.0	39.6	35138	10.0	NP	NP	NP
SRK	SRK21-OP-BH-07	44.2	44.5	35143	7.0	NP	NP	NP
SRK	SRK21-OP-BD-03	33.5	33.8	35151	6.2	NP	NP	NP
SRK	SRK21-OP-BH-05	4.9	5.2	35152	17.9	25.9	14.9	11.0
SRK	SRK21-OP-BH-05	7.0	7.3	35153	22.0			
SRK	SRK21-OP-BH-05	11.0	11.3	35154	12.9			
SRK	SRK21-OP-BH-05	11.6	12.2	35155	13.0	NP	NP	NP
SRK	SRK21-OP-BH-05	14.0	14.3	35156	22.3	36.2	23.1	13.1
SRK	SRK21-OP-BH-05	14.6	15.2	35157	17.4	NP	NP	NP
SRK	SRK21-OP-BH-05	20.7	21.3	35159	14.7	NP	NP	NP
SRK	SRK21-OP-BD-12	6.1	6.4	35164	22.6			
SRK	SRK21-OP-BD-12	7.2	7.8	35165	20.6	26.9	14.1	12.8

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-OP-BD-12	10.7	11.0	35166	22.1			
SRK	SRK21-OP-BD-12	19.2	19.5	35170	36.5	39.2	19.7	19.5
SRK	SRK21-OP-BD-12	29.9	30.5	35174	11.0			
SRK	SRK21-OP-BD-12	30.8	31.1	35175	10.2			
SRK	SRK21-OP-BD-12	36.0	36.3	35178	10.9	NP	NP	NP
SRK	SRK21-OP-BD-12	38.4	38.7	35179	17.8	NP	NP	NP
SRK	SRK21-OP-BD-12	39.0	39.6	35180	12.5			
SRK	SRK21-OP-BD-05	1.5	1.8	35182	19.1	23.3	15.6	7.7
SRK	SRK21-OP-BD-05	2.7	3.0	35183	22.3			
SRK	SRK21-OP-BD-05	4.9	5.2	35184	15.1	21.8	13.0	8.8
SRK	SRK21-OP-BD-05	11.0	11.3	35187	37.6			
SRK	SRK21-OP-BD-05	13.4	13.7	35188	38.4			
SRK	SRK21-OP-BD-11	2.1	2.4	35192	22.6	22.6	19.6	2.9
SRK	SRK21-OP-BD-11	7.6	7.9	35194	19.0			
SRK	SRK21-OP-BD-11	10.4	10.7	35196	19.9	24.0	13.7	10.3
SRK	SRK21-OP-BD-11	14.0	14.3	35197	21.4	27.0	14.3	12.7
SRK	SRK21-OP-BD-10	2.7	3.4	35203	16.9	28.7	14.1	14.6
SRK	SRK21-OP-BD-10	4.9	5.2	35205	19.6	NP	NP	NP
SRK	SRK21-OP-BD-10	2.7	3.4	35206	21.6	NP	NP	NP
SRK	SRK21-OP-BH-04	2.4	3.1	35220	22.1	23.5	20.7	2.8
SRK	SRK21-OP-BH-04	9.4	9.8	35224	30.6	35.7	18.2	17.5
SRK	SRK21-LGS-BH-08	5.5	6.1	35237	27.5	28.1	15.2	12.9

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-LGS-BH-08	10.7	11.0	35239	32.8	42.0	17.9	24.1
SRK	SRK21-LGS-BH-08	11.6	12.2	35240	45.9	56.4	24.1	32.3
SRK	SRK21-LGS-BH-08	17.7	18.3	35243	39.8	40.2	19.3	20.9
SRK	SRK21-LGS-BH-08	25.9	26.2	35247	20.5	NP	NP	NP
SRK	SRK21-NWR-BH-07	16.5	16.8	35252	44.3	45.3	20.3	25.0
SRK	SRK21-NWR-BH-07	18.0	18.6	35255	31.5	34.9	19.0	15.9
SRK	SRK21-NWR-BH-07	23.3	23.6	35257	14.1			
SRK	SRK21-NWR-BH-07	24.4	24.7	35258	14.5	NP	NP	NP
SRK	SRK21-NWR-BH-07	25.9	26.2	35259	17.4	NP	NP	NP
SRK	SRK21-NWR-BH-07	28.7	29.0	35261	19.8			
SRK	SRK21-NWR-BH-07	31.7	32.0	35263	8.1	15.7	13.4	2.3
SRK	SRK21-NWR-BH-07	34.7	35.1	35264	6.8	NP	NP	NP
SRK	SRK21-OP-BD-09	3.7	4.0	36151	20.0			
SRK	SRK21-OP-BD-09	7.6	7.9	36152	22.5	28.2	14.1	14.1
SRK	SRK21-OP-BD-09	10.7	11.0	36153	33.1			
SRK	SRK21-OP-BD-09	19.8	20.1	36154	50.0	52.8	24.2	28.6
SRK	SRK21-OP-BD-09	25.9	26.2	36155	31.8			
SRK	SRK21-OP-BD-09	31.7	32.9	36156	27.0	21.3	17.9	3.4
SRK	SRK21-OP-BD-09	35.1	35.4	36157	17.6	NP	NP	NP
SRK	SRK21-OP-BD-06	1.8	2.1	36158	17.1	17.1	15.1	2.0
SRK	SRK21-OP-BD-06	4.9	5.2	36159	19.1			
SRK	SRK21-OP-BD-06	10.7	11.0	36160	17.2	24.6	13.5	11.2

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-OP-BD-08	1.8	2.1	36161	17.5	20.4	16.9	3.4
SRK	SRK21-OP-BD-08	4.6	4.9	36162	13.9			
SRK	SRK21-OP-BD-08	8.2	8.5	36163	17.2			
SRK	SRK21-OP-BD-08	12.8	13.1	36164	39.2	42.7	21.0	21.8
SRK	SRK21-OP-BD-08	16.8	17.1	36165	20.1	NP	NP	NP
SRK	SRK21-OP-BD-08	20.7	21.3	36167	21.9			
SRK	SRK21-OP-BD-08	26.8	27.4	36170	20.5			
SRK	SRK21-OP-BD-08	29.0	29.3	36171	20.5	NP	NP	NP
SRK	SRK21-OP-BD-08	34.7	35.1	36174	11.8	NP	NP	NP
SRK	SRK21-OP-BD-08	38.7	39.0	36175	7.7			
SRK	SRK21-OP-BD-08	41.1	41.5	36176	6.9	NP	NP	NP
SRK	SRK21-OP-BD-08	44.5	44.8	36177	13.5			
SRK	SRK21-OP-BD-08	45.1	45.7	36178	15.6	NP	NP	NP
SRK	SRK21-OP-BD-08	46.9	47.2	36179	6.8	22.2	12.8	9.3
SRK	SRK21-OP-BD-08	49.4	49.7	36180	6.8			
SRK	SRK21-OP-BD-08	54.9	55.2	36181	7.0			
SRK	SRK21-OP-BD-08	67.1	67.4	36183	16.3	NP	NP	NP
SRK	SRK21-OP-BD-08	74.4	74.7	36184	7.2			
SRK	SRK21-OP-BD-08	82.6	82.9	36185	9.0	NP	NP	NP
SRK	SRK21-OP-BD-03	1.8	2.1	36186	18.6	20.8	17.7	3.2
SRK	SRK21-OP-BD-03	9.4	9.8	36188	17.1			
SRK	SRK21-OP-BD-03	13.1	13.4	36191	42.1			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-OP-BD-03	16.8	17.1	36192	30.6			
SRK	SRK21-OP-BD-03	18.3	18.9	36193	37.0	30.9	20.0	10.9
SRK	SRK21-OP-BD-03	19.8	20.1	36194	17.7			
SRK	SRK21-OP-BD-03	23.8	24.4	36197	14.3	NP	NP	NP
SRK	SRK21-OP-BD-03	29.3	29.6	36199	8.2			
SRK	SRK21-OP-BD-03	29.9	30.5	36200	11.2	NP	NP	NP
SRK	SRK21-OP-BH-09	18.0	18.6	36204	36.3	34.4	19.9	14.5
SRK	SRK21-OP-BH-09	20.3	20.6	36206	27.5	30.1	20.1	10.0
SRK	SRK21-OP-BH-09	25.9	26.2	36208	33.2	28.1	19.0	9.1
SRK	SRK21-OP-BH-09	29.9	30.5	36210	26.0	NP	NP	NP
SRK	SRK21-OP-BH-09	35.1	35.4	36212	6.5	NP	NP	NP
SRK	SRK21-OP-BH-09	40.5	40.8	36215	7.9	NP	NP	NP
SRK	SRK21-OP-BH-09	44.5	44.8	36217	7.9	NP	NP	NP
SRK	SRK21-OP-BH-09	50.3	50.6	36220	8.4	NP	NP	NP
SRK	SRK21-NWR-BH-07	5.5	6.1	36249	16.6	24.1	14.1	10.0
WSP-Golder	SRK21-TSF-BH-10	26.2	26.5	58253	16.6	33.0	27.4	5.6
WSP-Golder	SRK21-TSF-BH-19	7.6	8.2	58263	23.3	30.8	14.9	15.9
WSP-Golder	SRK21-TSF-BH-19	10.7	11.3	58266	28.7	28.3	12.0	16.3
WSP-Golder	SRK21-TSF-BH-09	5.5	6.1	58289	24.7	30.4	16.5	13.9
WSP-Golder	SRK21-TSF-BH-09	11.6	12.2	58292	31.4	32.6	20.0	12.6
WSP-Golder	SRK21-TSF-BH-09	17.7	18.3	58295	11.8			
WSP-Golder	SRK21-TSF-BH-09	27.7	28.0	58300	6.3			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
WSP-Golder	SRK21-TSF-BH-07	2.0	2.3	58305	20.8	39.6	25.5	14.4
WSP-Golder	SRK21-TSF-BH-07	8.2	8.8	58309	25.5	29.9	16.0	13.9
WSP-Golder	SRK21-TSF-BH-07	12.8	13.4	58312	48.3	38.3	20.1	18.2
WSP-Golder	SRK21-TSF-BH-07	21.3	21.6	58315	31.0			
WSP-Golder	SRK21-TSF-BH-07	32.6	32.9	58322	14.5			
SRK	SRK21-OP-BD-02	0.8	1.1	58326	19.7	23.1	16.1	7.0
SRK	SRK21-OP-BD-02	4.9	5.2	58328	24.5	25.2	18.6	6.7
SRK	SRK21-OP-BD-02	10.4	10.7	58331	21.6	24.9	15.2	9.7
SRK	SRK21-OP-BD-02	19.5	19.8	58335	50.7	53.3	26.2	27.1
SRK	SRK21-OP-BD-02	25.6	25.9	58337	30.4	23.5	15.4	8.1
SRK	SRK21-OP-BD-02	30.2	30.5	58338	28.1	27.7	17.5	10.2
SRK	SRK21-OP-BD-02	34.7	35.1	58341	7.5	NP	NP	NP
SRK	SRK21-OP-BD-02	39.6	39.9	58343	6.8	NP	NP	NP
SRK	SRK21-OP-BH-09	1.5	1.8	58345	19.8	25.5	18.7	6.8
WSP-Golder	SRK21-TSF-BH-17	6.0	6.2	58353	13.2			
WSP-Golder	SRK21-TSF-BH-17	10.0	10.2	58355	18.2			
WSP-Golder	SRK21-TSF-BH-17	26.4	26.8	58358	17.6			
WSP-Golder	SRK21-TSF-BH-08	3.7	4.0	58362	11.2			
WSP-Golder	SRK21-TSF-BH-08	15.2	15.5	58366	14.8			
WSP-Golder	SRK21-TSF-BH-08	36.0	36.3	58370	23.3			
SRK	SRK21-PF-BH-02	5.5	6.1	58380	33.1	40.8	20.1	20.7
SRK	SRK21-PF-BH-02	9.1	9.4	58381	20.1			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-PF-BH-02	11.0	11.3	58382	19.0			
SRK	SRK21-PF-BH-02	14.9	15.5	58383	21.0	NP	NP	NP
WSP-Golder	SRK21-TSF-BH-18	4.0	4.6	58385	23.9	35.2	16.0	19.2
WSP-Golder	SRK21-TSF-BH-18	16.2	16.8	58389	11.2	13.8	11.9	1.9
WSP-Golder	SRK21-TSF-BH-18	26.8	27.1	58392	8.0	14.8	13.1	1.6
WSP-Golder	SRK21-TSF-BH-18	32.0	32.3	58394	16.1			
WSP-Golder	SRK21-TSF-BH-18	42.4	43.0	58397	19.9	NP	NP	NP
WSP-Golder	SRK21-TSF-BH-18	41.5	45.4	58399	20.1	23.5	19.4	4.1
SRK	SRK21-SOS-BH-01	20.4	20.7	58437	14.1			
SRK	SRK21-SOS-BH-01	20.9	21.2	58439	11.7			
SRK	SRK21-SOS-BH-01	23.8	24.4	58441	9.8			
SRK	SRK21-SOS-BH-01	29.0	29.3	58445	8.1			
SRK	SRK21-SOS-BH-01	33.5	33.8	58447	7.5	16.2	11.7	4.5
SRK	SRK21-SOS-BH-01	36.9	37.2	58449	6.6			
SRK	SRK21-OP-BD-01	4.9	5.2	58454	19.1	28.7	16.5	12.2
SRK	SRK21-OP-BD-01	7.6	7.9	58455	24.1	28.5	15.8	12.7
SRK	SRK21-OP-BD-01	10.7	11.0	58456	23.4	26.3	15.0	11.3
SRK	SRK21-OP-BD-01	8.5	9.1	58459	24.0	27.9	14.3	13.6
SRK	SRK21-OP-BD-01	16.5	16.8	58461	53.0	59.5	29.3	30.3
SRK	SRK21-OP-BD-01	22.6	22.9	58463	33.0	35.9	19.8	16.1
SRK	SRK21-OP-BD-01	26.2	26.5	58464	13.2	NP	NP	NP
SRK	SRK21-OP-BD-01	29.3	29.6	58467	16.3			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-OP-BD-01	29.9	30.5	58468	16.1			
SRK	SRK21-OP-BD-01	35.1	35.4	58472	10.8	NP	NP	NP
SRK	SRK21-OP-BD-01	36.0	36.6	58473	16.0			
SRK	SRK21-OP-BD-01	39.0	39.6	58475	10.6	NP	NP	NP
SRK	SRK21-OP-BD-01	40.7	41.0	58476	10.0	NP	NP	NP
SRK	SRK21-OP-BD-01	42.1	42.7	58478	6.6	NP	NP	NP
SRK	SRK21-OP-BD-01	45.0	45.3	58480	9.0	NP	NP	NP
WSP-Golder	SRK21-TSF-BH-10	0.9	1.2	58485	23.0	24.9	21.4	3.5
WSP-Golder	SRK21-TSF-BH-10	5.0	5.3	58489	23.1	26.8	15.1	11.7
WSP-Golder	SRK21-TSF-BH-10	7.9	8.5	58491	24.4	28.5	14.4	14.1
WSP-Golder	SRK21-TSF-BH-10	14.0	14.6	58495	40.1	43.8	24.8	19.0
WSP-Golder	SRK21-TSF-BH-10	22.0	22.3	58499	10.6			
WSP-Golder	SRK22-TSF-BH-04	4.6	4.9	167004	20.8	27.9	15.6	12.3
WSP-Golder	SRK22-TSF-BH-04	8.2	8.5	167006	19.8			
WSP-Golder	SRK22-TSF-BH-15	3.0	3.4	167008	16.6	24.7	15.8	8.8
WSP-Golder	SRK22-TSF-BH-15	12.8	13.1	167012	8.6			
WSP-Golder	SRK22-TSF-BH-15	22.3	22.6	167019	20.0			
WSP-Golder	SRK22-TSF-BH-15	26.8	27.4	167021	18.1			
WSP-Golder	SRK22-TSF-BH-15	38.1	38.4	167023	7.5	18.3	11.2	7.1
WSP-Golder	SRK22-TSF-BH-15	64.9	65.2	167030	7.8	20.2	16.4	3.8
WSP-Golder	SRK22-TSF-BH-05	7.3	7.6	167035	23.3	28.3	15.6	12.7
WSP-Golder	SRK22-TSF-BH-05	16.8	17.4	167039	16.4			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
WSP-Golder	SRK22-TSF-BH-05	32.0	32.3	167042	4.8			
WSP-Golder	SRK22-TSF-BH-25	4.9	5.5	167048	21.0	26.5	14.7	11.8
WSP-Golder	SRK22-TSF-BH-26	47.5	47.9	167053	15.4			
WSP-Golder	SRK22-TSF-BH-26	48.2	48.5	167054	11.4	23.9	20.4	3.5
SRK	SRK22-SOS-BH-02	5.5	6.1	167063	26.2	32.1	17.1	14.9
SRK	SRK22-SOS-BH-02	18.0	18.6	167068	33.5	33.1	20.2	12.9
SRK	SRK22-SOS-BH-02	28.3	28.7	167073	12.0	NP	NP	NP
SRK	SRK22-SOS-BH-02	41.5	41.8	167078	9.4			
SRK	SRK22-SOS-BH-02	43.3	43.6	167079	8.9	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-22	10.7	11.0	167089	54.8	57.2	25.8	31.3
WSP-Golder	SRK22-TSF-BH-22	18.6	18.9	167092	39.0	40.0	20.7	19.2
WSP-Golder	SRK22-TSF-BH-22	24.7	25.0	167095	18.3			
WSP-Golder	SRK22-TSF-BH-22	28.7	29.0	167096	10.2	14.3	12.5	1.8
SRK	SRK22-WRD-BH-17	5.2	5.5	167117	8.5			
SRK	SRK22-WRD-BH-17	7.6	7.9	167118	9.8			
SRK	SRK22-WRD-BH-17	10.7	11.0	167120	8.7	NP	NP	NP
SRK	SRK22-WRD-BH-17	19.5	19.8	167123	14.7	NP	NP	NP
SRK	SRK22-WRD-BH-17	22.9	23.2	167125	22.4			
SRK	SRK22-WRD-BH-17	28.3	28.7	167127	19.2			
SRK	SRK22-WRD-BH-17	35.1	35.4	167129	10.7	NP	NP	NP
SRK	SRK22-WRD-BH-17	37.8	38.1	167130	12.9			
SRK	SRK22-HG-BH-03	36.3	36.6	167260	6.1	NP	NP	NP

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK22-HG-BH-03	46.3	46.6	167262	7.1	NP	NP	NP
SRK	SRK22-LG-BH-05	5.2	5.8	167271	31.9	28.5	18.2	10.3
SRK	SRK22-LG-BH-05	10.4	10.7	167273	33.3	39.5	17.2	22.3
SRK	SRK22-LG-BH-05	11.3	11.9	167274	44.7	46.2	19.2	27.0
SRK	SRK22-LG-BH-05	21.5	21.8	167277	33.9	26.7	16.4	10.3
SRK	SRK22-PF-BH-03	11.6	12.2	167292	46.7	45.5	20.3	25.2
SRK	SRK22-PF-BH-03	17.7	18.3	167294	35.3			
SRK	SRK22-PF-BH-03	19.5	19.8	167295	34.6	34.3	18.3	16.0
SRK	SRK22-PF-BH-03	22.6	22.9	167296	30.6			
SRK	SRK22-PF-BH-03	32.6	32.9	167297	18.3	NP	NP	NP
SRK	SRK22-PF-BH-03	33.8	34.1	167298	14.8			
SRK	SRK22-PF-BH-03	35.7	36.0	167299	7.2	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-23	3.7	4.3	167304	20.2			
WSP-Golder	SRK22-TSF-BH-23	5.5	5.7	167305	20.7	25.6	15.0	10.7
WSP-Golder	SRK22-TSF-BH-23	8.2	8.4	167307	27.0	35.8	19.7	16.1
WSP-Golder	SRK22-TSF-BH-23	10.4	10.7	167308	8.4	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-23	19.5	19.8	167311	24.9	42.9	23.9	18.9
WSP-Golder	SRK22-TSF-BH-23	21.3	21.6	167313	16.3			
WSP-Golder	SRK22-TSF-BH-23	27.4	27.7	167318	7.1			
WSP-Golder	SRK22-TSF-BH-06	5.2	5.5	167324	21.5	26.4	13.4	13.1
WSP-Golder	SRK22-TSF-BH-06	10.7	11.0	167327	9.2	18.5	14.3	4.2
WSP-Golder	SRK22-TSF-BH-06	19.8	20.1	167331	19.2	25.2	19.1	6.1

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
WSP-Golder	SRK22-TSF-BH-06	29.6	29.9	167335	8.9			
SRK	SRK22-OP-BH-01	0.6	0.9	167352		40.5	19.1	21.4
SRK	SRK22-OP-BH-01	31.7	32.0	167363	15.8	NP	NP	NP
SRK	SRK22-OP-BH-01	34.4	34.8	167364	11.2			
SRK	SRK22-OP-BH-10	5.8	6.4	167369	22.4	28.3	16.1	12.3
SRK	SRK22-OP-BH-10	11.6	12.2	167373	39.5	40.3	20.4	19.9
SRK	SRK22-OP-BH-10	43.3	43.6	167381	12.6	NP	NP	NP
SRK	SRK22-LG-BH-01	5.2	5.8	167383	22.4	32.9	15.2	17.7
SRK	SRK22-LG-BH-01	11.3	11.9	167385	49	46.9	23.6	23.3
SRK	SRK22-LG-BH-01	26.2	26.5	167387	15.9	NP	NP	NP
SRK	SRK22-LG-BH-01	27.7	28.3	167388	16.7	16.3	13.7	2.6
SRK	SRK22-LG-BH-01	31.7	32.0	167389	10.1	NP	NP	NP
SRK	SRK22-WOS-BH-01	5.2	5.8	167390	21.8	30.3	14.2	16.1
SRK	SRK22-WOS-BH-01	11.3	11.9	167392	44.7	40.5	19.1	21.4
SRK	SRK22-WOS-BH-01	17.4	18.0	167394	39.2	34.4	19.1	15.3
SRK	SRK22-WOS-BH-01	21.9	22.3	167395	10.9			
SRK	SRK22-WOS-BH-01	25.6	25.9	167396	22.3	NP	NP	NP
SRK	SRK22-WOS-BH-01	26.8	27.4	167397	14.8	NP	NP	NP
SRK	SRK22-WOS-BH-01	29.6	29.9	167398	7.4			
SRK	SRK22-WOS-BH-01	29.9	30.5	167399	10.2	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-32	7.6	7.9	167413	31.2	33.2	18.6	14.6
WSP-Golder	SRK22-TSF-BH-32	10.7	11.0	167414	28.2	33.0	17.0	16.0

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
WSP-Golder	SRK22-TSF-BH-32	22.9	23.2	167416	19.9	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-34	11.3	11.6	167424	24.5	31.9	17.5	14.3
WSP-Golder	SRK22-TSF-BH-34	14.3	14.6	167425	19.7	21.2	18.1	3.1
WSP-Golder	SRK22-TSF-BH-30	4.3	4.6	167437	27.6	32.1	17.3	14.8
WSP-Golder	SRK22-TSF-BH-30	8.2	8.5	167439	27.4	34.1	17.5	16.5
WSP-Golder	SRK22-TSF-BH-30	15.8	16.2	167441	34.5	36.3	21.0	15.4
WSP-Golder	SRK22-TSF-BH-25	16.2	17.7	167454	22.3	31.8	22.9	8.9
WSP-Golder	SRK22-TSF-BH-25	19.2	20.7	167455	22.3	41.2	23.2	18.0
WSP-Golder	SRK22-TSF-BH-25	262.0	26.5	167458	18.3	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-25	39.3	39.6	167464	9.4	14.9	11.4	3.6
WSP-Golder	SRK22-TSF-BH-25	57.9	58.2	167472	11.8			
WSP-Golder	SRK22-TSF-BH-25	64.0	64.6	167475	11.1	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-25	73.2	73.8	167479	7.5	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-27	15.8	16.0	167490	38.9	40.0	20.7	19.3
WSP-Golder	SRK22-TSF-BH-27	20.1	20.4	167492	21.9	17.4	13.0	4.4
WSP-Golder	SRK22-TSF-BH-27	23.2	23.5	167493	18.8	17.2	12.7	4.5
WSP-Golder	SRK22-TSF-BH-27	29.3	29.6	167496	11.7			
SRK	SRK21-LG-BH-04	5.5	6.1	167504	29.8	34.5	19.5	15.0
SRK	SRK21-LG-BH-04	11.6	12.2	167506	27.8	25.2	18.6	6.6
SRK	SRK21-LG-BH-04	12.8	13.1	167507	24.6	23.9	18.8	5.1
SRK	SRK21-LG-BH-04	14.0	14.3	167508	11.5			
SRK	SRK21-LG-BH-04	16.8	17.1	167510	6.6			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-LG-BH-04	19.5	19.8	167511	8.2			
SRK	SRK21-LG-BH-04	21.6	21.9	167512	8.1	NP	NP	NP
SRK	SRK21-LG-BH-04	23.2	23.5	167513	11.7			
SRK	SRK21-LG-BH-04	25.0	25.3	167515	13			
SRK	SRK21-LG-BH-04	25.6	25.9	167516	10.7			
SRK	SRK21-LG-BH-04	29.0	29.3	167517	13	NP	NP	NP
SRK	SRK21-LG-BH-04	32.0	32.3	167518	11.6	NP	NP	NP
WSP-Golder	SRK21-TSF2-BH-103	4.0	4.3	167526	25.4	33.8	17.0	16.8
WSP-Golder	SRK21-TSF2-BH-103	7.3	7.6	167529	25.9	32.5	16.4	16.1
WSP-Golder	SRK21-TSF2-BH-103	10.1	10.4	167532	27	32.7	17.5	15.2
WSP-Golder	SRK21-TSF2-BH-103	19.8	20.1	167538	11.1			
WSP-Golder	SRK21-TSF2-BH-103	26.2	26.5	167544	10.5			
WSP-Golder	SRK21-TSF2-BH-103	33.5	33.8	167548	11.3			
SRK	SRK21-OP-BD-04	8.8	9.1	167606	13.4			
SRK	SRK21-OP-BD-04	10.4	10.7	167607	18.1			
SRK	SRK21-OP-BD-04	12.8	13.1	167609	17.5	35.3	20.8	14.5
SRK	SRK21-OP-BD-04	15.9	16.2	167611	22.5			
SRK	SRK21-OP-BD-04	22.6	22.9	167615	12.5			
SRK	SRK21-OP-BD-04	26.2	26.5	167617	13.7			
SRK	SRK21-OP-BD-04	35.1	35.4	167621	8.9	NP	NP	NP
SRK	SRK21-OP-BD-04	40.2	40.5	167623	13.8			
SRK	SRK22-OP-BH06	6.4	7.0	167628	20.4	28.5	14.1	14.4

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK22-OP-BH-06	11.6	12.2	167631	18.4			
SRK	SRK22-OP-BH-06	14.6	15.2	167633	19.3			
SRK	SRK22-OP-BH-06	17.7	18.3	167635	13.5			
SRK	SRK22-OP-BH-06	22.9	23.2	167638	13.8	NP	NP	NP
SRK	SRK22-OP-BH-06	25.6	25.9	167640	13.2			
SRK	SRK22-OP-BH-06	32.0	32.3	167644	7.3			
SRK	SRK22-OP-BH-06	37.8	38.1	167648	18.5			
SRK	SRK22-OP-BH-06	40.8	41.2	167650	14.5			
WSP-Golder	SRK22-TSF-BH-01	7.0	7.3	167657	20.7	25.7	15.4	10.4
WSP-Golder	SRK22-TSF-BH-01	20.3	20.6	167664	17.3			
WSP-Golder	SRK22-TSF-BH-01A	6.1	6.4	167670	20.9	26.8	15.7	11.1
WSP-Golder	SRK22-TSF-BH-01A	13.1	13.4	167673	18	30.0	20.3	9.7
WSP-Golder	SRK22-TSF-BH-01A	25.3	25.6	167677	12			
WSP-Golder	SRK22-TSF-BH-01A	32.0	32.3	167680	8.9			
WSP-Golder	SRK22-TSF-BH-11	4.6	4.9	167704	19.8	27.0	14.3	12.7
WSP-Golder	SRK22-TSF-BH-11	7.3	7.6	167706	11.3			
WSP-Golder	SRK22-TSF-BH-11	33.5	33.8	167716	7.3			
SRK	SRK22-OP-BH-08	2.1	2.7	167718	18.5	29.0	15.1	13.9
SRK	SRK22-OP-BH-08	5.2	5.8	167720	21.6	25.9	14.4	11.5
SRK	SRK22-OP-BH-08	31.7	32.0	167725	5.7			
SRK	SRK22-OP-BH-08	33.5	33.8	167726	5.9			
SRK	SRK22-OP-BH-08	37.8	38.1	167727	6.7			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK22-OP-BH-08	40.8	41.1	167728	22	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-22	36.7	37.0	167740	12	22.9	11.8	11.1
WSP-Golder	SRK22-TSF-BH-31	11.6	11.9	167748	31.1	36.2	17.6	18.5
WSP-Golder	SRK21-TSF2-BH-102	4.6	5.2	167755	20.3	28.3	15.1	13.2
WSP-Golder	SRK21-TSF2-BH-102	7.3	7.6	167758	29.1	35.6	19.3	16.3
WSP-Golder	SRK21-TSF2-BH-102	17.4	17.7	167764	11.2	16.5	13.3	3.2
WSP-Golder	SRK21-TSF2-BH-102	25.6	25.9	167770	28.1	41.2	28.4	12.8
WSP-Golder	SRK21-TSF2-BH-102	34.4	34.7	167775	22.8	26.5	18.7	7.8
SRK	SRK21-OP-BH-02	7.3	7.9	167782	14.3	24.6	14.3	10.3
SRK	SRK21-OP-BH-02	11.9	12.5	167785	30.6	39.6	19.9	19.7
SRK	SRK21-OP-BH-02	13.1	13.4	167786	38.5	41.2	18.6	22.7
SRK	SRK21-LGS-BH-01	6.8	6.9	167804	13.5	19.7	11.7	8.0
SRK	SRK21-OP-BH-02	65.5	65.8	167811	7	NP	NP	NP
SRK	SRK21-WRD-BH-06	12.2	12.5	167819	13.36			
SRK	SRK21-WRD-BH-06	16.2	16.5	167822	20.6			
SRK	SRK21-WRD-BH-06	19.2	19.5	167824	25.6	40.5	22.2	18.3
SRK	SRK21-WRD-BH-06	23.2	23.5	167826	16.9			
SRK	SRK21-WRD-BH-06	28.4	28.7	167828	9.3	NP	NP	NP
SRK	SRK21-PF-BH-04	7.0	7.6	167838	32	39.0	19.4	19.6
SRK	SRK21-PF-BH-04	7.0	7.3	167839	41.8	41.7	19.2	22.5
SRK	SRK21-PF-BH-04	10.1	10.4	167840	21			
SRK	SRK21-PF-BH-04	13.1	13.4	167841	19.7			

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
SRK	SRK21-PF-BH-04	16.2	16.5	167843	21.6			
SRK	SRK21-PF-BH-04	23.8	24.4	167847	21.9	NP	NP	NP
SRK	SRK21-PF-BH-04	25.3	25.6	167848	17.2			
SRK	SRK21-PF-BH-04	27.4	27.7	167849	14.3			
SRK	SRK21-PF-BH-04	31.4	31.7	167951	16.1	NP	NP	NP
SRK	SRK21-PF-BH-04	34.4	34.7	167952	16.3			
SRK	SRK21-PF-BH-04	37.5	37.8	167953	15.2			
SRK	SRK21-WRD-BH16	7.3	7.6	167979	19.5	28.2	13.5	14.8
SRK	SRK21-WRD-BH-16	10.7	11.0	167980	15.3	53.8	23.1	30.7
SRK	SRK21-WRD-BH-16	11.3	11.9	167981	54.6	53.7	25.1	28.6
SRK	SRK21-WRD-BH-16	17.7	18.0	167985	28.1	30.9	18.9	12.0
SRK	SRK21-OP-BD-07	6.4	6.7	167993	12.1	NP	NP	NP
SRK	SRK22-PF-BH-03	41.5	41.8	168201	9.2	22.7	17.9	4.9
SRK	SRK22-PF-BH-03	43.9	44.2	168202	8.1	NP	NP	NP
SRK	SRK22-HG-BH-01	19.5	19.8	168212	29.5	27.3	18.1	9.1
SRK	SRK22-HG-BH-01	25.6	25.9	168214	19.7	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-28	7.0	7.3	168222	33.6	36.3	18.6	17.8
WSP-Golder	SRK22-TSF-BH-28	15.5	15.8	168226	30.9	39.8	20.2	19.6
WSP-Golder	SRK22-TSF-BH-28	27.7	28.0	168228	20.3	18.9	17.0	1.9
WSP-Golder	SRK22-TSF-BH-26	7.3	7.6	168235	27	30.8	16.7	14.0
WSP-Golder	SRK22-TSF-BH-26	10.7	11.0	168237	42.8	42.3	22.3	20.1
WSP-Golder	SRK22-TSF-BH-26	15.2	15.5	168239	17	19.6	14.6	5.0

Requested By	Borehole/Test Pit ID	From (m)	To (m)	Sample ID	Moisture Content (%)	LL (%)	PL (%)	PI (%)
WSP-Golder	SRK22-TSF-BH-26	26.5	26.8	168242	17.2			
WSP-Golder	SRK22-TSF-BH-31	15.8	16.5	168401	40.6			
WSP-Golder	SRK22-TSF-BH-31	21.6	21.9	168403	25.5	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-31	31.2	31.5	168407	13.9	18.2	14.8	3.4
WSP-Golder	SRK22-TSF-BH-16	8.2	8.5	168422	20.7	27.5	15.4	12.1
WSP-Golder	SRK22-TSF-BH-16	14.3	14.6	168425	39.1	39.2	19.8	19.4
WSP-Golder	SRK22-TSF-BH-16	19.5	19.8	168428	36.9	30.0	19.1	10.9
WSP-Golder	SRK22-TSF-BH-16	23.2	23.5	168431	10.7	NP	NP	NP
WSP-Golder	SRK22-TSF-BH-16	26.2	26.5	168433	7.4			

6.2 Specific Gravity

Specific gravity tests (ASTM D854-14) were completed on 48 samples. The results are summarized in Table 6.2. Detailed laboratory test certificates are provided in Appendix E.6.

Table 6.2: Specific Gravity Results

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Specific Gravity
SRK	SRK21-OP-BD-11	35.1	35.4	35105	2.72
SRK	SRK21-OP-BH-07	1.8	2.1	35110	2.75
SRK	SRK21-OP-BH-07	20.7	21.3	35126	2.73
SRK	SRK21-OP-BH-05	14.6	15.2	35157	2.70
SRK	SRK21-OP-BD-12	7.16	7.77	35165	2.73
SRK	SRK21-OP-BD-12	29.9	30.5	35174	2.71
SRK	SRK21-OP-BD-12	38.4	38.7	35179	2.69
SRK	SRK21-OP-BD-10	2.74	3.35	35203	2.69
SRK	SRK21-OP-BH-04	2.4	3	35220	2.73
SRK	SRK21-LGS-BH-08	5.48	6.09	35237	2.73
SRK	SRK21-LGS-BH-08	17.67	18.28	35243	2.75
SRK	SRK21-LGS-BH-08	25.9	26.2	35247	2.70
SRK	SRK21-NWR-BH-07	24.4	24.7	35258	2.66
SRK	SRK21-NWR-BH-07	25.9	26.2	35259	2.68
SRK	SRK21-OP-BD-09	3.7	4	36151	2.76
SRK	SRK21-OP-BD-09	35.1	35.4	36157	2.66
SRK	SRK21-OP-BD-06	4.9	5.2	36159	2.75
SRK	SRK21-OP-BD-08	12.8	13.1	36164	2.78
SRK	SRK21-OP-BD-08	29	29.3	36171	2.69
SRK	SRK21-OP-BD-08	67.1	67.4	36183	2.70
SRK	SRK21-OP-BH-09	18	18.6	36204	2.75
SRK	SRK21-OP-BH-09	50.3	50.6	36220	2.72
WSP-Golder	SRK21-TSF-BH-09	17.7	18.3	58295	2.70
WSP-Golder	SRK21-TSF-BH-07	2	2.3	58305	2.71
SRK	SRK21-OP-BD-02	34.7	35.1	58341	2.70
SRK	SRK21-PF-BH-02	9.1	9.4	58381	2.66
SRK	SRK21-PF-BH-02	11	11.3	58382	2.67
SRK	SRK21-OP-BD-01	8.5	9.1	58459	2.73
SRK	SRK21-OP-BD-01	22.6	22.9	58463	2.76
SRK	SRK21-OP-BD-01	40.7	41	58476	2.73

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Specific Gravity
WSP-Golder	SRK21-TSF-BH-10	22	22.3	58499	2.68
WSP-Golder	SRK22-TSF-BH-25	4.9	5.5	167048	2.71
SRK	SRK22-SOS-BH-02	28.3	28.7	167073	2.69
SRK	SRK22-SOS-BH-02	41.5	41.8	167078	2.70
SRK	SRK22-LG-BH-05	21.5	21.8	167277	2.71
SRK	SRK22-PF-BH-03	32.6	32.9	167297	2.68
SRK	SRK22-OP-BH-10	43.3	43.6	167381	2.72
SRK	SRK22-LG-BH-01	5.18	5.79	167383	2.73
SRK	SRK22-LG-BH-01	26.2	26.5	167387	2.69
SRK	SRK22-LG-BH-01	27.73	28.34	167388	2.71
SRK	SRK22-WOS-BH-01	25.6	25.9	167396	2.67
SRK	SRK21-LG-BH-04	14	14.3	167508	2.66
SRK	SRK21-LG-BH-04	21.6	21.9	167512	2.68
SRK	SRK22-OP-BH-08	40.8	41.1	167728	2.80
SRK	SRK21-OP-BH-02	65.5	65.8	167811	2.69
SRK	SRK21-PF-BH-04	23.8	24.4	167847	2.66
SRK	SRK21-PF-BH-04	25.3	25.6	167848	2.66
SRK	SRK22-HG-BH-01	19.5	19.8	168212	2.71

6.3 Particle Size Distributions

Particle size distributions tests (ASTM D6913 / D6913M-17, ASTM D7928-17) were completed on 336 samples. Table 6.3 summarizes the results. Particle Size Distribution curves are sorted by facility, and they are plotted through Figures 7-19. Laboratory test certificates are provided in Appendix E.1.

Table 6.3: Particle Size Distribution Results

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK22-QPV-TP-01	3.2	3.5	9998	3.5	12.3	36.9	47.3	84.2
SRK	SRK22-QPV-TP-01	5.7	6.0	9999	2.8	18.7	43.4	35.1	78.5
SRK	SRK21-OP-BD-11	19.8	20.1	35101	0.0	0.1	45.4	54.5	99.9
SRK	SRK21-OP-BD-11	26.2	26.5	35103	0.7	1.2	63.9	34.2	98.1
SRK	SRK21-OP-BD-11	28.0	28.3	35104	10.6	52.4	27.9	9.1	37.0
SRK	SRK21-OP-BD-11	35.1	35.4	35105	4.8	42.1	43.6	9.5	53.1
SRK	SRK21-OP-BD-11	36.6	36.9	35107	18.1	49.8	23.5	8.6	32.1
SRK	SRK21-OP-BD-11	37.8	38.1	35108	0.9	24.5	62.3	12.3	74.6
SRK	SRK21-OP-BH-07	1.8	2.1	35110	1.0	16.8	44.8	37.4	82.2
SRK	SRK21-OP-BH-07	4.7	5.0	35111	0.8	15.4	50.2	33.6	83.8
SRK	SRK21-OP-BH-07	6.4	6.7	35113	2.3	44.8	46.0	6.9	52.9
SRK	SRK21-OP-BH-07	7.0	7.6	35114	0.8	46.9	46.7	5.6	52.3
SRK	SRK21-OP-BH-07	9.4	9.8	35116	0.1	39.2	50.4	10.3	60.7
SRK	SRK21-OP-BH-07	14.6	15.2	35121	4.8	39.4	52.2	3.6	55.8
SRK	SRK21-OP-BH-07	18.3	18.6	35124	0.0	0.8	43.9	55.3	99.2
SRK	SRK21-OP-BH-07	20.7	21.3	35126	0.0	15.6	64.6	19.8	84.4
SRK	SRK21-OP-BH-07	22.9	23.2	35128	0.0	0.1	67.8	32.1	99.9
SRK	SRK21-OP-BH-07	25.9	26.2	35130	0.0	0.9	95.3	3.8	99.1
SRK	SRK21-OP-BH-07	29.9	30.5	35133	0.0	82.4	0.0	0.0	17.6
SRK	SRK21-OP-BH-07	34.7	35.1	35136	6.7	33.6	50.8	8.9	59.7
SRK	SRK21-OP-BH-07	39.0	39.6	35138	36.2	59.9	0.0	0.0	3.9
SRK	SRK21-OP-BH-07	44.2	44.5	35143	29.5	56.4	0.0	0.0	14.1
SRK	SRK21-OP-BD-03	33.5	33.8	35151	41.4	37.9	0.0	0.0	20.7
SRK	SRK21-OP-BH-05	4.9	5.2	35152	0.1	16.0	53.5	30.4	83.9
SRK	SRK21-OP-BH-05	11.6	12.2	35155	0.2	39.5	57.4	2.9	60.3
SRK	SRK21-OP-BH-05	14.0	14.3	35156	0.0	4.7	45.9	49.4	95.3
SRK	SRK21-OP-BH-05	14.6	15.2	35157	0.2	65.7	0.0	0.0	34.1
SRK	SRK21-OP-BH-05	17.7	18.3	35159	1.3	32.1	65.2	1.4	66.6
SRK	SRK21-OP-BD-12	7.2	7.8	35165	0.6	16.3	49.7	33.4	83.1

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK21-OP-BD-12	19.2	19.5	35170	0.0	0.1	48.5	51.4	99.9
SRK	SRK21-OP-BD-12	29.9	30.5	35174	5.3	54.5	38.9	1.3	40.2
SRK	SRK21-OP-BD-12	36.0	36.3	35178	12.2	56.6	28.8	2.4	31.2
SRK	SRK21-OP-BD-12	38.4	38.7	35179	0.1	97.2	0.0	0.0	2.7
SRK	SRK21-OP-BD-05	1.5	1.8	35182	0.0	5.6	78.6	15.8	94.4
SRK	SRK21-OP-BD-05	4.9	5.2	35184	6.4	14.1	56.6	22.9	79.5
SRK	SRK21-OP-BD-11	2.1	2.4	35192	0.0	0.7	88.7	10.6	99.3
SRK	SRK21-OP-BD-11	10.4	10.7	35196	1.0	19.8	48.3	30.9	79.2
SRK	SRK21-OP-BD-11	14.0	14.3	35197	0.9	19.0	45.6	34.5	80.1
SRK	SRK21-OP-BD-10	2.7	3.4	35203	2.2	16.7	48.8	32.3	81.1
SRK	SRK21-OP-BD-10	4.9	5.2	35205	0.0	76.7	21.9	1.4	23.3
SRK	SRK21-OP-BD-10	5.5	6.1	35206	0.0	82.5	16.5	1.0	17.5
SRK	SRK21-OP-BH-04	2.4	3.0	35220	0.0	0.3	88.0	11.7	99.7
SRK	SRK21-OP-BH-04	9.4	9.8	35224	0.0	0.9	50.6	48.5	99.1
SRK	SRK21-LGS-BH-08	5.5	6.1	35237	1.4	10.8	50.0	37.8	87.8
SRK	SRK21-LGS-BH-08	10.7	11.0	35239	0.6	5.1	37.3	57.0	94.3
SRK	SRK21-LGS-BH-08	11.6	12.2	35240	0.1	1.3	14.8	83.8	98.6
SRK	SRK21-LGS-BH-08	17.7	18.3	35243	0.0	0.2	36.0	63.8	99.8
SRK	SRK21-LGS-BH-08	25.9	26.2	35247	0.7	2.3	86.3	10.7	97.0
SRK	SRK21-NWR-BH-07	11.6	12.2	35252	0.0	0.9	30.8	68.3	99.1
SRK	SRK21-NWR-BH-07	18.0	18.6	35255	0.3	4.8	48.2	46.7	94.9
SRK	SRK21-NWR-BH-07	23.3	23.6	35257	16.4	35.6	0.0	0.0	48.0
SRK	SRK21-NWR-BH-07	24.4	24.7	35258	10.5	77.4	0.0	0.0	12.1
SRK	SRK21-NWR-BH-07	25.9	26.2	35259	0.0	38.9	57.8	3.3	61.1
SRK	SRK21-NWR-BH-07	28.7	29.0	35261	0.0	46.1	0.0	0.0	53.9
SRK	SRK21-NWR-BH-07	31.7	32.0	35263	14.7	27.5	0.0	0.0	57.8
SRK	SRK21-NWR-BH-07	34.7	35.1	35264	6.7	36.6	47.2	9.5	56.7
SRK	SRK21-OP-BD-09	7.6	7.9	36152	0.9	17.8	48.6	32.7	81.3
SRK	SRK21-OP-BD-09	19.8	20.1	36154	0.0	0.0	27.4	72.6	100.0
SRK	SRK21-OP-BD-09	31.7	32.9	36156	0.0	0.5	76.9	22.6	99.5
SRK	SRK21-OP-BD-09	35.1	35.4	36157	3.7	91.2	0.0	0.0	5.1
SRK	SRK21-OP-BD-06	1.8	2.1	36158	0.1	20.5	69.4	10.0	79.4
SRK	SRK21-OP-BD-06	10.7	11.0	36160	12.7	9.6	53.7	24.0	77.7
SRK	SRK21-OP-BD-08	1.8	2.1	36161	0.0	2.1	88.5	9.4	97.9
SRK	SRK21-OP-BD-08	12.8	13.1	36164	0.0	0.4	42.2	57.4	99.6
SRK	SRK21-OP-BD-08	16.8	17.1	36165	0.0	92.7	0.0	0.0	7.3

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK21-OP-BD-08	29.0	29.3	36171	0.0	96.5	0.0	0.0	3.5
SRK	SRK21-OP-BD-08	34.7	35.1	36174	9.0	25.5	0.0	0.0	65.5
SRK	SRK21-OP-BD-08	41.1	41.5	36176	32.8	48.8	0.0	0.0	18.4
SRK	SRK21-OP-BD-08	45.1	45.7	36178	1.2	96.2	0.0	0.0	2.6
SRK	SRK21-OP-BD-08	46.9	47.2	36179	6.2	30.1	49.4	14.3	63.7
SRK	SRK21-OP-BD-08	67.1	67.4	36183	0.1	84.7	0.0	0.0	15.2
SRK	SRK21-OP-BD-08	82.6	82.9	36185	11.3	81.8	0.0	0.0	6.9
SRK	SRK21-OP-BD-03	1.8	2.1	36186	0.0	5.0	87.1	7.9	95.0
SRK	SRK21-OP-BD-03	18.3	18.9	36193	0.0	1.1	64.5	34.4	98.9
SRK	SRK21-OP-BD-03	23.8	24.4	36197	0.9	84.2	0.0	0.0	14.9
SRK	SRK21-OP-BD-03	29.9	30.5	36200	0.6	85.8	0.0	0.0	13.6
SRK	SRK21-OP-BH-09	18.0	18.6	36204	0.0	0.1	41.3	58.6	99.9
SRK	SRK21-OP-BH-09	20.3	20.6	36206	0.0	0.6	75.6	23.8	99.4
SRK	SRK21-OP-BH-09	25.9	26.2	36208	2.3	3.9	66.4	27.4	93.8
SRK	SRK21-OP-BH-09	29.9	30.5	36210	10.4	50.5	35.9	3.2	39.1
SRK	SRK21-OP-BH-09	35.1	35.4	36212	5.9	35.3	48.9	9.9	58.8
SRK	SRK21-OP-BH-09	40.5	40.8	36215	22.7	56.3	0.0	0.0	21.0
SRK	SRK21-OP-BH-09	44.5	44.8	36217	8.3	55.8	32.6	3.3	35.9
SRK	SRK21-OP-BH-09	50.3	50.6	36220	17.7	44.9	30.2	7.2	37.4
SRK	SRK21-NWR-BH-07	5.5	6.1	36249	11.5	18.7	47.9	21.9	69.8
WSP-GOLDER	SRK21-TSF-BH-10	26.2	26.5	58253	3.3	50.1	0.0	0.0	46.6
WSP-GOLDER	SRK21-TSF-BH-19	7.6	8.2	58263	0.5	13.9	45.8	39.8	85.6
WSP-GOLDER	SRK21-TSF-BH-19	10.7	11.3	58266	1.5	82.5	12.2	3.8	16.0
WSP-GOLDER	SRK21-TSF-BH-09	5.5	6.1	58289	1.5	94.1	2.6	1.8	4.4
WSP-GOLDER	SRK21-TSF-BH-09	11.6	12.2	58292	0.0	0.2	46.6	53.2	99.8
WSP-GOLDER	SRK21-TSF-BH-09	17.7	18.3	58295	3.1	84.0	0.0	0.0	12.9
WSP-GOLDER	SRK21-TSF-BH-09	27.7	28.0	58300	27.5	33.7	0.0	0.0	38.8
WSP-GOLDER	SRK21-TSF-BH-07	2.0	2.3	58305	0.0	5.1	42.3	52.6	94.9
WSP-GOLDER	SRK21-TSF-BH-07	8.2	8.8	58309	1.4	88.4	7.4	2.8	10.2
WSP-GOLDER	SRK21-TSF-BH-07	12.8	13.4	58312	0.0	0.1	33.6	66.3	99.9
WSP-GOLDER	SRK21-TSF-BH-07	21.3	21.6	58315	0.3	38.5	0.0	0.0	61.2
WSP-GOLDER	SRK21-TSF-BH-07	32.6	32.9	58322	1.1	50.7	0.0	0.0	48.2
SRK	SRK21-OP-BD-02	0.8	1.1	58326	1.5	11.4	65.2	21.9	87.1
SRK	SRK21-OP-BD-02	4.9	5.2	58328	0.7	3.5	77.4	18.4	95.8
SRK	SRK21-OP-BD-02	10.4	10.7	58331	4.8	17.1	47.3	30.8	78.1
SRK	SRK21-OP-BD-02	19.5	19.8	58335	0.0	0.0	27.9	72.1	100.0

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK21-OP-BD-02	30.2	30.5	58338	0.0	1.8	74.6	23.6	98.2
SRK	SRK21-OP-BD-02	34.7	35.1	58341	7.9	33.4	46.4	12.3	58.7
SRK	SRK21-OP-BD-02	39.6	39.9	58343	36.4	41.0	0.0	0.0	22.6
SRK	SRK21-OP-BH-09	1.5	1.8	58345	1.5	9.7	67.5	21.3	88.8
WSP-GOLDER	SRK21-TSF-BH-17	10.0	10.2	58355	0.3	85.5	0.0	0.0	14.2
WSP-GOLDER	SRK21-TSF-BH-17	26.4	26.8	58358	0.4	94.5	0.0	0.0	5.1
WSP-GOLDER	SRK21-TSF-BH-08	3.6	4.0	58362	23.8	72.0	0.0	0.0	4.2
WSP-GOLDER	SRK21-TSF-BH-08	15.1	15.4	58366	5.5	91.9	0.0	0.0	2.6
WSP-GOLDER	SRK21-TSF-BH-08	36.0	36.3	58370	0.0	98.3	0.0	0.0	1.7
SRK	SRK21-PF-BH-02	5.5	6.1	58380	0.0	0.2	37.0	62.8	99.8
SRK	SRK21-PF-BH-02	9.0	9.4	58381	0.0	86.3	0.0	0.0	13.7
SRK	SRK21-PF-BH-02	11.0	11.4	58382	0.0	52.8	0.0	0.0	47.2
SRK	SRK21-PF-BH-02	14.6	15.2	58383	0.0	74.8	24.2	1.0	25.2
WSP-GOLDER	SRK21-TSF-BH-18	4.0	4.6	58385	0.0	10.2	42.7	47.1	89.8
WSP-GOLDER	SRK21-TSF-BH-18	16.3	16.7	58389	7.1	43.2	39.6	10.1	49.7
WSP-GOLDER	SRK21-TSF-BH-18	26.8	27.1	58392	4.4	38.7	0.0	0.0	56.9
WSP-GOLDER	SRK21-TSF-BH-18	31.9	32.3	58394	0.5	91.8	0.0	0.0	7.7
WSP-GOLDER	SRK21-TSF-BH-18	42.5	42.9	58397	0.0	63.1	0.0	0.0	36.9
WSP-GOLDER	SRK21-TSF-BH-18	45.1	45.5	58399	0.0	1.0	87.2	11.8	99.0
SRK	SRK21-SOS-BH-01	20.4	20.7	58437	5.0	51.2	40.4	3.4	43.8
SRK	SRK21-SOS-BH-01	20.9	21.2	58439	14.6	40.8	32.4	12.2	44.6
SRK	SRK21-SOS-BH-01	23.8	24.4	58441	0.0	47.1	44.3	8.6	52.9
SRK	SRK21-SOS-BH-01	29.0	29.3	58445	7.3	45.3	40.8	6.6	47.4
SRK	SRK21-SOS-BH-01	33.5	33.8	58447	7.6	46.9	34.1	11.4	45.5
SRK	SRK21-SOS-BH-01	36.9	37.2	58449	23.2	38.5	30.0	8.3	38.3
SRK	SRK21-OP-BD-01	4.9	5.2	58454	2.7	16.5	48.8	32.0	80.8
SRK	SRK21-OP-BD-01	8.5	9.1	58459	0.1	16.9	46.5	36.5	83.0
SRK	SRK21-OP-BD-01	16.5	16.8	58461	0.0	0.1	20.4	79.5	99.9
SRK	SRK21-OP-BD-01	22.6	22.9	58463	0.0	0.1	66.9	33.0	99.9
SRK	SRK21-OP-BD-01	26.2	26.5	58464	11.3	71.5	14.9	2.3	17.2
SRK	SRK21-OP-BD-01	35.1	35.4	58472	6.6	44.5	46.0	2.9	48.9
SRK	SRK21-OP-BD-01	39.0	39.6	58475	2.4	43.7	44.9	9.0	53.9
SRK	SRK21-OP-BD-01	42.1	42.7	58478	36.0	34.2	0.0	0.0	29.8
SRK	SRK21-OP-BD-01	45.0	45.3	58480	33.2	40.8	0.0	0.0	26.0
WSP-GOLDER	SRK21-TSF-BH-10	0.9	1.2	58485	0.0	0.7	84.7	14.6	99.3

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
WSP-GOLDER	SRK21-TSF-BH-10	5.0	5.3	58489	0.0	16.6	55.6	27.8	83.4
WSP-GOLDER	SRK21-TSF-BH-10	7.9	8.5	58491	0.6	16.5	45.1	37.8	82.9
WSP-GOLDER	SRK21-TSF-BH-10	14.0	14.6	58495	0.0	92.4	4.9	2.7	7.6
WSP-GOLDER	SRK21-TSF-BH-10	21.9	22.3	58499	17.9	42.6	0.0	0.0	39.5
WSP-GOLDER	SRK22-TSF-BH-04	4.6	4.9	167004	0.0	16.0	52.8	31.2	84.0
WSP-GOLDER	SRK22-TSF-BH-04	8.2	8.5	167006	0.0	51.3	0.0	0.0	48.7
WSP-GOLDER	SRK22-TSF-BH-15	3.0	3.4	167008	20.6	9.8	52.0	17.6	69.6
WSP-GOLDER	SRK22-TSF-BH-15	12.8	13.1	167012	0.5	31.9	0.0	0.0	67.6
WSP-GOLDER	SRK22-TSF-BH-15	22.3	22.6	167019	0.0	34.0	0.0	0.0	66.0
WSP-GOLDER	SRK22-TSF-BH-15	26.8	27.4	167021	1.3	86.1	0.0	0.0	12.6
WSP-GOLDER	SRK22-TSF-BH-15	38.1	38.4	167023	3.9	40.3	43.3	12.5	55.8
WSP-GOLDER	SRK22-TSF-BH-15	64.9	65.2	167030	20.1	44.0	33.9	2.0	35.9
WSP-GOLDER	SRK22-TSF-BH-05	7.3	7.6	167035	0.1	17.5	52.8	29.6	82.4
WSP-GOLDER	SRK22-TSF-BH-05	16.8	17.4	167039	1.2	96.8	0.0	0.0	2.0
WSP-GOLDER	SRK22-TSF-BH-05	32.0	32.3	167042	9.9	58.1	0.0	0.0	32.0
WSP-GOLDER	SRK22-TSF-BH-25	4.9	5.5	167048	0.0	15.3	59.5	25.2	84.7
WSP-GOLDER	SRK22-TSF-BH-26	47.5	47.9	167053	3.0	84.9	0.0	0.0	12.1
WSP-GOLDER	SRK22-TSF-BH-26	48.2	48.5	167054	16.0	33.8	40.1	10.1	50.2
SRK	SRK22-SOS-BH-02	5.5	6.1	167063	0.4	12.0	48.2	39.4	87.6
SRK	SRK22-SOS-BH-02	18.0	18.6	167068	0.0	0.1	43.6	56.3	99.9
SRK	SRK22-SOS-BH-02	28.3	28.7	167073	10.0	23.6	63.7	2.7	66.4
SRK	SRK22-SOS-BH-02	41.5	41.8	167078	12.8	44.2	0.0	0.0	43.0
SRK	SRK22-SOS-BH-02	43.3	43.6	167079	6.6	49.0	42.4	2.0	44.4
SRK	SRK22-SOS-BH-02	46.0	46.3	167080	1.4	33.0	0.0	0.0	65.6
WSP-GOLDER	SRK22-TSF-BH-22	10.7	11.0	167089	0.0	0.4	22.8	76.8	99.6
WSP-GOLDER	SRK22-TSF-BH-22	18.6	18.9	167092	0.0	0.4	42.6	57.0	99.6
WSP-GOLDER	SRK22-TSF-BH-22	24.7	25.0	167095	0.6	92.8	0.0	0.0	6.6
WSP-GOLDER	SRK22-TSF-BH-22	28.7	29.0	167096	10.7	30.2	49.6	9.5	59.1
SRK	SRK22-WRD-BH-17	5.2	5.5	167117	1.9	60.7	31.2	6.2	37.4
SRK	SRK22-WRD-BH-17	7.6	7.9	167118	2.6	55.1	37.0	5.3	42.3
SRK	SRK22-WRD-BH-17	10.7	11.0	167120	11.5	38.1	39.2	11.2	50.4
SRK	SRK22-WRD-BH-17	19.5	19.8	167123	0.5	38.9	56.6	4.0	60.6
SRK	SRK22-WRD-BH-17	22.9	23.2	167125	0.0	0.1	58.9	41.0	99.9
SRK	SRK22-WRD-BH-17	28.3	28.7	167127	0.0	12.1	72.2	15.7	87.9
SRK	SRK22-WRD-BH-17	35.1	35.4	167129	11.1	32.4	48.4	8.1	56.5
SRK	SRK22-WRD-BH-17	37.8	38.1	167130	3.5	82.6	8.9	5.0	13.9

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK22-HG-BH-03	36.3	36.6	167260	8.4	34.2	43.1	14.3	57.4
SRK	SRK22-HG-BH-03	46.3	46.6	167262	7.5	46.6	34.3	11.6	45.9
SRK	SRK22-LG-BH-05	5.2	5.8	167271	0.0	5.2	48.1	46.7	94.8
SRK	SRK22-LG-BH-05	10.4	10.7	167273	0.3	5.9	40.5	53.3	93.8
SRK	SRK22-LG-BH-05	11.3	11.9	167274	0.0	0.3	31.1	68.6	99.7
SRK	SRK22-LG-BH-05	21.5	21.8	167277	0.0	1.1	77.6	21.3	98.9
SRK	SRK22-PF-BH-03	11.6	12.2	167292	0.0	0.4	29.3	70.3	99.6
SRK	SRK22-PF-BH-03	19.5	19.8	167295	0.0	0.4	55.9	43.7	99.6
SRK	SRK22-PF-BH-03	22.6	22.9	167296	0.0	0.5	80.2	19.3	99.5
SRK	SRK22-PF-BH-03	32.6	32.9	167297	0.0	11.3	83.0	5.7	88.7
SRK	SRK22-PF-BH-03	33.8	34.1	167298	0.0	33.6	63.1	3.3	66.4
SRK	SRK22-PF-BH-03	35.7	36.0	167299	6.4	42.4	46.7	4.5	51.2
SRK	SRK22-PF-BH-03	39.6	39.9	167300	9.3	45.4	39.0	6.3	45.3
WSP-GOLDER	SRK22-TSF-BH-23	5.5	5.7	167305	0.6	18.4	43.9	37.1	81.0
WSP-GOLDER	SRK22-TSF-BH-23	8.2	8.4	167307	0.0	4.1	46.8	49.1	95.9
WSP-GOLDER	SRK22-TSF-BH-23	11.3	11.6	167308	8.4	38.0	40.3	13.3	53.6
WSP-GOLDER	SRK22-TSF-BH-23	19.5	19.8	167311	0.0	0.7	56.2	43.1	99.3
WSP-GOLDER	SRK22-TSF-BH-23	21.3	21.6	167313	0.0	55.8	0.0	0.0	44.2
WSP-GOLDER	SRK22-TSF-BH-23	27.4	27.7	167318	3.9	36.3	0.0	0.0	59.8
WSP-GOLDER	SRK22-TSF-BH-06	5.2	5.5	167324	1.4	16.5	40.9	41.2	82.1
WSP-GOLDER	SRK22-TSF-BH-06	10.7	11.0	167327	0.9	30.9	50.9	17.3	68.2
WSP-GOLDER	SRK22-TSF-BH-06	19.8	20.1	167331	0.0	0.5	73.1	26.4	99.5
WSP-GOLDER	SRK22-TSF-BH-06	29.6	29.9	167335	16.2	36.2	0.0	0.0	47.6
SRK	SRK22-OP-BH-01	0.6	0.9	167352	0.0	0.6	38.2	61.2	99.4
SRK	SRK22-OP-BH-01	31.7	32.0	167363	2.8	14.7	79.6	2.9	82.5
SRK	SRK22-OP-BH-01	34.4	34.7	167364	23.7	41.7	23.4	11.2	34.6
SRK	SRK22-OP-BH-10	5.8	6.4	167369	1.1	17.8	45.9	35.2	81.1
SRK	SRK22-OP-BH-10	14.6	15.2	167373	0.0	0.3	38.7	61.0	99.7
SRK	SRK22-OP-BH-10	43.3	43.6	167381	3.4	26.3	62.0	8.3	70.3
SRK	SRK22-LG-BH-01	5.2	5.8	167383	3.1	14.5	39.3	43.1	82.4
SRK	SRK22-LG-BH-01	11.3	11.9	167385	0.0	0.2	28.1	71.7	99.8
SRK	SRK22-LG-BH-01	26.2	26.5	167387	0.1	17.0	74.1	8.8	82.9
SRK	SRK22-LG-BH-01	27.7	28.3	167388	0.1	15.1	76.2	8.6	84.8
SRK	SRK22-LG-BH-01	31.7	32.0	167389	75.7	12.3	10.1	1.9	12.0
SRK	SRK22-WOS-BH-01	5.2	5.8	167390	2.9	15.0	43.7	38.4	82.1
SRK	SRK22-WOS-BH-01	17.4	18.0	167394	0.0	1.3	40.4	58.3	98.7

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK22-WOS-BH-01	21.9	22.3	167395	6.4	77.4	0.0	0.0	16.2
SRK	SRK22-WOS-BH-01	25.6	25.9	167396	0.0	73.6	25.4	1.0	26.4
SRK	SRK22-WOS-BH-01	26.8	27.4	167397	14.2	37.2	0.0	0.0	48.6
SRK	SRK22-WOS-BH-01	29.6	29.9	167398	1.5	39.5	0.0	0.0	59.0
SRK	SRK22-WOS-BH-01	29.9	30.5	167399	1.9	50.6	38.6	8.9	47.5
WSP-GOLDER	SRK22-TSF-BH-32	7.6	7.9	167413	0.4	10.1	42.4	47.1	89.5
WSP-GOLDER	SRK22-TSF-BH-32	10.7	11.0	167414	2.4	15.5	39.7	42.4	82.1
WSP-GOLDER	SRK22-TSF-BH-32	22.9	23.2	167416	0.0	0.4	93.4	6.2	99.6
WSP-GOLDER	SRK22-TSF-BH-34	11.3	11.6	167424	2.2	12.5	44.8	40.5	85.3
WSP-GOLDER	SRK22-TSF-BH-34	14.3	14.6	167425	0.1	0.2	91.7	8.0	99.7
WSP-GOLDER	SRK22-TSF-BH-34	22.3	22.6	167427	16.4	34.2	0.0	0.0	49.4
WSP-GOLDER	SRK22-TSF-BH-30	4.3	4.6	167437	2.3	12.3	42.2	43.2	85.4
WSP-GOLDER	SRK22-TSF-BH-30	8.2	8.5	167439	1.6	12.9	41.1	44.4	85.5
WSP-GOLDER	SRK22-TSF-BH-30	15.8	16.2	167441	0.0	0.5	48.3	51.2	99.5
WSP-GOLDER	SRK22-TSF-BH-30	22.9	23.2	167443	5.4	59.9	0.0	0.0	34.7
WSP-GOLDER	SRK22-TSF-BH-25	16.2	16.7	167454	0.0	0.2	73.2	26.6	99.8
WSP-GOLDER	SRK22-TSF-BH-25	19.2	19.7	167455	0.0	0.5	66.8	32.7	99.5
WSP-GOLDER	SRK22-TSF-BH-25	26.2	26.5	167458	0.0	0.6	98.5	0.9	99.4
WSP-GOLDER	SRK22-TSF-BH-25	39.3	39.6	167464	3.0	46.4	44.9	5.7	50.6
WSP-GOLDER	SRK22-TSF-BH-25	57.9	58.2	167472	4.4	44.7	0.0	0.0	50.9
WSP-GOLDER	SRK22-TSF-BH-25	64.0	64.6	167475	18.3	37.5	38.1	6.1	44.2
WSP-GOLDER	SRK22-TSF-BH-25	73.2	73.8	167479	5.4	35.5	55.0	4.1	59.1
WSP-GOLDER	SRK22-TSF-BH-27	15.8	16.0	167490	0.0	0.2	56.9	42.9	99.8
WSP-GOLDER	SRK22-TSF-BH-27	20.1	20.4	167492	0.0	21.4	59.5	19.1	78.6
WSP-GOLDER	SRK22-TSF-BH-27	23.2	23.5	167493	0.0	23.9	59.5	16.6	76.1
WSP-GOLDER	SRK22-TSF-BH-27	29.3	29.6	167496	7.3	50.6	0.0	0.0	42.1
SRK	SRK21-LG-BH-04	5.5	6.1	167504	0.0	8.4	49.1	42.5	91.6
SRK	SRK21-LG-BH-04	11.6	12.2	167506	0.0	0.9	75.0	24.1	99.1
SRK	SRK21-LG-BH-04	12.8	13.1	167507	2.0	10.1	0.0	0.0	87.9
SRK	SRK21-LG-BH-04	14.0	14.3	167508	7.4	39.6	0.0	0.0	53.0
SRK	SRK21-LG-BH-04	16.8	17.1	167510	6.5	45.1	0.0	0.0	48.4
SRK	SRK21-LG-BH-04	19.5	19.8	167511	3.2	59.2	0.0	0.0	37.6
SRK	SRK21-LG-BH-04	21.6	21.9	167512	1.4	37.9	48.4	12.3	60.7
SRK	SRK21-LG-BH-04	23.2	23.5	167513	0.3	36.0	0.0	0.0	63.7
SRK	SRK21-LG-BH-04	25.0	25.3	167515	0.1	44.0	0.0	0.0	55.9
SRK	SRK21-LG-BH-04	25.6	25.9	167516	0.6	38.6	0.0	0.0	60.8

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK21-LG-BH-04	29.0	29.3	167517	0.3	50.4	0.0	0.0	49.3
SRK	SRK21-LG-BH-04	32.0	32.3	167518	0.4	33.5	51.4	14.7	66.1
WSP-GOLDER	SRK21-TSF2-BH-103	4.0	4.3	167526	1.2	14.2	38.5	46.1	84.6
WSP-GOLDER	SRK21-TSF2-BH-103	7.3	7.6	167529	1.9	14.2	39.4	44.5	83.9
WSP-GOLDER	SRK21-TSF2-BH-103	10.1	10.4	167532	1.5	10.8	39.9	47.8	87.7
WSP-GOLDER	SRK21-TSF2-BH-103	19.8	20.1	167538	2.9	51.2	0.0	0.0	45.9
WSP-GOLDER	SRK21-TSF2-BH-103	26.2	26.5	167544	14.2	61.8	0.0	0.0	24.0
WSP-GOLDER	SRK21-TSF2-BH-103	33.5	33.8	167548	25.0	39.0	0.0	0.0	36.0
SRK	SRK22-OP-BD-04	8.8	9.1	167606	0.0	56.5	39.4	4.1	43.5
SRK	SRK22-OP-BD-04	10.4	10.7	167607	0.0	85.3	11.4	3.3	14.7
SRK	SRK22-OP-BD-04	12.8	13.1	167609	0.0	0.2	77.2	22.6	99.8
SRK	SRK22-OP-BD-04	15.8	16.2	167611	0.0	0.0	66.2	33.8	100.0
SRK	SRK22-OP-BD-04	22.6	22.9	167615	0.5	38.0	57.8	3.7	61.5
SRK	SRK22-OP-BD-04	26.2	26.5	167617	2.3	37.8	53.8	6.1	59.9
SRK	SRK22-OP-BD-04	35.1	35.4	167621	13.5	39.3	35.9	11.3	47.2
SRK	SRK22-OP-BD-04	40.2	40.5	167623	2.6	40.9	43.6	12.9	56.5
SRK	SRK22-OP-BH-06	6.4	7.0	167628	1.1	15.4	46.1	37.4	83.5
SRK	SRK22-OP-BH-06	11.6	12.2	167631	0.8	65.6	29.9	3.7	33.6
SRK	SRK22-OP-BH-06	14.6	15.2	167633	0.0	46.4	37.8	15.8	53.6
SRK	SRK22-OP-BH-06	17.7	18.3	167635	0.0	63.2	32.5	4.3	36.8
SRK	SRK22-OP-BH-06	22.9	23.2	167638	0.0	38.7	55.2	6.1	61.3
SRK	SRK22-OP-BH-06	25.6	25.9	167640	1.6	46.6	47.2	4.6	51.8
SRK	SRK22-OP-BH-06	32.0	32.3	167644	3.1	41.7	44.4	10.8	55.2
SRK	SRK22-OP-BH-06	37.8	38.1	167648	0.0	82.8	15.2	2.0	17.2
SRK	SRK22-OP-BH-06	40.8	41.1	167650	0.0	93.0	5.0	2.0	7.0
WSP-GOLDER	SRK22-TSF-BH-01	7.0	7.3	167657	4.9	16.8	47.3	31.0	78.3
WSP-GOLDER	SRK22-TSF-BH-01	20.3	20.6	167664	0.7	96.5	0.0	0.0	2.8
WSP-GOLDER	SRK22-TSF-BH-01A	6.1	6.4	167670	2.8	15.2	48.0	34.0	82.0
WSP-GOLDER	SRK22-TSF-BH-01A	13.1	13.4	167673	0.1	6.4	55.7	37.8	93.5
WSP-GOLDER	SRK22-TSF-BH-01A	25.3	25.6	167677	3.5	44.1	0.0	0.0	52.4
WSP-GOLDER	SRK22-TSF-BH-01A	32.0	32.3	167680	3.2	50.6	0.0	0.0	46.2
WSP-GOLDER	SRK22-TSF-BH-11	4.6	4.9	167704	1.7	15.4	47.2	35.7	82.9
WSP-GOLDER	SRK22-TSF-BH-11	7.3	7.6	167706	9.7	46.1	0.0	0.0	44.2
WSP-GOLDER	SRK22-TSF-BH-11	33.5	33.8	167716	5.0	39.9	0.0	0.0	55.1
SRK	SRK22-OP-BH-08	2.1	2.7	167718	0.0	11.4	56.4	32.2	88.6
SRK	SRK22-OP-BH-08	5.2	5.8	167720	0.9	20.1	55.2	23.8	79.0

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK22-OP-BH-08	31.7	32.0	167725	15.9	26.8	44.4	12.9	57.3
SRK	SRK22-OP-BH-08	33.5	33.8	167726	3.0	35.1	49.0	12.9	61.9
SRK	SRK22-OP-BH-08	37.8	38.1	167727	2.9	33.5	46.9	16.7	63.6
SRK	SRK22-OP-BH-08	40.8	41.1	167728	48.5	27.3	17.2	7.0	24.2
WSP-GOLDER	SRK22-TSF-BH-22	36.7	37.0	167740	5.7	21.5	50.4	22.4	72.8
WSP-GOLDER	SRK22-TSF-BH-31	11.6	11.9	167748	0.0	9.5	45.5	45.0	90.5
WSP-GOLDER	SRK21-TSF2-BH-102	4.6	5.2	167755	4.3	15.3	42.2	38.2	80.4
WSP-GOLDER	SRK21-TSF2-BH-102	7.3	7.6	167758	0.1	4.8	44.5	50.6	95.1
WSP-GOLDER	SRK21-TSF2-BH-102	17.4	17.7	167764	18.8	31.2	42.7	7.3	50.0
WSP-GOLDER	SRK21-TSF2-BH-102	25.6	25.9	167770	0.0	0.9	32.7	66.4	99.1
WSP-GOLDER	SRK21-TSF2-BH-102	34.4	34.7	167775	0.0	7.4	0.0	0.0	92.6
SRK	SRK21-OP-BH-02	7.3	7.9	167782	4.6	21.5	51.0	22.9	73.9
SRK	SRK21-OP-BH-02	11.9	12.5	167785	0.1	5.5	35.7	58.7	94.4
SRK	SRK21-OP-BH-02	13.1	13.4	167786	0.0	0.1	41.0	58.9	99.9
SRK	SRK21-LGS-BH-01	6.8	6.9	167804	0.1	26.4	57.8	15.7	73.5
SRK	SRK21-WRD-BH-06	0.0	0.3	167811	15.0	69.3	13.2	2.5	15.7
SRK	SRK21-WRD-BH-06	12.2	12.5	167819	2.1	47.8	45.5	4.6	50.1
SRK	SRK21-WRD-BH-06	16.2	16.5	167822	0.0	0.1	83.7	16.2	99.9
SRK	SRK21-WRD-BH-06	19.2	19.5	167824	0.0	0.4	47.6	52.0	99.6
SRK	SRK21-WRD-BH-06	23.2	23.5	167826	0.0	6.1	55.6	38.3	93.9
SRK	SRK21-WRD-BH-06	28.3	28.7	167828	0.4	48.4	48.6	2.6	51.2
SRK	SRK21-PF-BH-04	7.0	7.6	167838	0.0	0.1	41.6	58.3	99.9
SRK	SRK21-PF-BH-04	7.0	7.3	167839	0.0	0.3	40.9	58.8	99.7
SRK	SRK21-PF-BH-04	10.1	10.4	167840	0.2	77.2	0.0	0.0	22.6
SRK	SRK21-PF-BH-04	13.1	13.4	167841	0.5	97.0	0.0	0.0	2.5
SRK	SRK21-PF-BH-04	16.2	16.5	167843	0.0	92.6	0.0	0.0	7.4
SRK	SRK21-PF-BH-04	23.8	24.4	167847	0.0	97.5	2.5	0.0	2.5
SRK	SRK21-PF-BH-04	25.3	25.6	167848	0.0	95.2	0.0	0.0	4.8
SRK	SRK21-PF-BH-04	27.4	27.7	167849	23.3	64.0	0.0	0.0	12.7
SRK	SRK21-PF-BH-04	31.4	31.7	167951	0.1	87.9	11.0	1.0	12.0
SRK	SRK21-PF-BH-04	34.4	34.7	167952	0.0	90.8	0.0	0.0	9.2
SRK	SRK21-PF-BH-04	37.5	37.8	167953	0.0	94.5	0.0	0.0	5.5
SRK	SRK22-WRD-BH-16	7.3	7.6	167979	2.8	15.6	52.3	29.3	81.6
SRK	SRK22-WRD-BH-16	10.7	11.0	167980	0.1	3.8	16.9	79.2	96.1
SRK	SRK22-WRD-BH-16	11.3	11.9	167981	0.0	0.1	34.9	65.0	99.9

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK22-WRD-BH-16	17.7	18.0	167985	0.1	9.1	59.9	30.9	90.8
SRK	SRK22-OP-BD-07	6.4	6.7	167993	9.8	41.6	40.6	8.0	48.6
SRK	SRK22-PF-BH-03	41.5	41.8	168201	25.7	32.7	34.4	7.2	41.6
SRK	SRK22-PF-BH-03	43.9	44.2	168202	1.0	31.4	60.9	6.7	67.6
SRK	SRK22-HG-BH-01	19.5	19.8	168212	0.0	0.8	68.3	30.9	99.2
SRK	SRK22-HG-BH-01	25.6	25.9	168214	0.0	40.4	55.6	4.0	59.6
WSP-GOLDER	SRK22-TSF-BH-28	7.0	7.3	168222	0.0	8.7	38.5	52.8	91.3
WSP-GOLDER	SRK22-TSF-BH-28	15.5	15.8	168226	0.0	0.1	58.5	41.4	99.9
WSP-GOLDER	SRK22-TSF-BH-28	27.7	28.0	168228	0.0	8.1	84.1	7.8	91.9
WSP-GOLDER	SRK22-TSF-BH-26	7.3	7.6	168235	2.5	13.1	42.6	41.8	84.4
WSP-GOLDER	SRK22-TSF-BH-26	10.7	11.0	168237	0.1	1.7	34.6	63.6	98.2
WSP-GOLDER	SRK22-TSF-BH-26	15.2	15.5	168239	0.1	9.6	80.7	9.6	90.3
WSP-GOLDER	SRK22-TSF-BH-26	26.5	26.8	168242	0.1	62.0	0.0	0.0	37.9
WSP-GOLDER	SRK22-TSF-BH-31	21.6	21.9	168403	0.0	1.4	93.5	5.1	98.6
WSP-GOLDER	SRK22-TSF-BH-31	31.2	31.5	168407	5.8	19.2	63.4	11.6	75.0
WSP-GOLDER	SRK22-TSF-BH-16	8.2	8.5	168422	0.9	15.3	51.6	32.2	83.8
WSP-GOLDER	SRK22-TSF-BH-16	14.3	14.6	168425	0.0	0.6	42.5	56.9	99.4
WSP-GOLDER	SRK22-TSF-BH-16	19.5	19.8	168428	0.0	1.3	55.0	43.7	98.7
WSP-GOLDER	SRK22-TSF-BH-16	23.2	23.5	168431	5.1	49.1	40.0	5.8	45.8
WSP-GOLDER	SRK22-TSF-BH-16	26.2	26.5	168433	19.1	55.5	0.0	0.0	25.4
SRK	SRK22-QPV-TP-01	3.2	3.5	9998	3.5	12.3	36.9	47.3	84.2
SRK	SRK22-QPV-TP-01	5.7	6.0	9999	2.8	18.7	43.4	35.1	78.5
SRK	SRK21-OP-BD-11	19.8	20.1	35101	0.0	0.1	45.4	54.5	99.9
SRK	SRK21-OP-BD-11	26.2	26.5	35103	0.7	1.2	63.9	34.2	98.1
SRK	SRK21-OP-BD-11	28.0	28.3	35104	10.6	52.4	27.9	9.1	37.0
SRK	SRK21-OP-BD-11	35.1	35.4	35105	4.8	42.1	43.6	9.5	53.1
SRK	SRK21-OP-BD-11	36.6	36.9	35107	18.1	49.8	23.5	8.6	32.1
SRK	SRK21-OP-BD-11	37.8	38.1	35108	0.9	24.5	62.3	12.3	74.6
SRK	SRK21-OP-BH-07	1.8	2.1	35110	1.0	16.8	44.8	37.4	82.2
SRK	SRK21-OP-BH-07	4.7	5.0	35111	0.8	15.4	50.2	33.6	83.8
SRK	SRK21-OP-BH-07	6.4	6.7	35113	2.3	44.8	46.0	6.9	52.9
SRK	SRK21-OP-BH-07	7.0	7.6	35114	0.8	46.9	46.7	5.6	52.3
SRK	SRK21-OP-BH-07	9.4	9.8	35116	0.1	39.2	50.4	10.3	60.7
SRK	SRK21-OP-BH-07	14.6	15.2	35121	4.8	39.4	52.2	3.6	55.8
SRK	SRK21-OP-BH-07	18.3	18.6	35124	0.0	0.8	43.9	55.3	99.2
SRK	SRK21-OP-BH-07	20.7	21.3	35126	0.0	15.6	64.6	19.8	84.4

Requested By	Borehole/ Test Pit ID	From (m)	To (m)	Sample ID	Gravel[1] (%)	Sand[2] (%)	Silt[3] (%)	Clay[4] (%)	Fines[5] (%)
SRK	SRK21-OP-BH-07	22.9	23.2	35128	0.0	0.1	67.8	32.1	99.9
SRK	SRK21-OP-BH-07	25.9	26.2	35130	0.0	0.9	95.3	3.8	99.1
SRK	SRK21-OP-BH-07	29.9	30.5	35133	0.0	82.4	0.0	0.0	17.6

Notes:

[1] Gravel material is classified as particles bigger than 4.75 mm

[2] Sand material is classified as particles between the range, 4.75 mm to 0.075 mm

[3] Silt material is classified as particles between the range, 0.075 mm to 0.002 mm

[4] Clay material is classified as particles below than 0.002 mm

[5] Fines are equal to the sum of the clay and silt content

6.4 Consolidated-Undrained Triaxial Tests

26 Consolidated-Undrained (CU) Triaxial strength tests (ASTM D4767-11) were completed under 3 different confining stresses each. In some instances, the same specimen had to be reused for multiple confining stresses due to lack of suitable material recovered from the Shelby tube. In this case, multistage triaxial testing has been performed. Test results are summarized in Table 6.4 and shown in Figures 22-47. Laboratory test certificates are provided in Appendix E.4.

Table 6.4: CU Triaxial Test Results Summary

Requested by	Borehole ID	From (m)	To (m)	Sample ID	Confining Effective Stress (kPa)	Max Deviator Stress (kPa)	Void Ratio
SRK	SRK21-OP-BD-12	7.16	7.77	35165[1]	200	169.5	0.51
					400	373.2	0.45
					800	572.1	0.41
SRK	SRK21-OP-BD-10	2.74	3.35	35203[1]	250	252.8	0.48
					500	563.9	0.36
					800	1054	0.34
SRK	SRK21-OP-BH-04	2.44	3.05	35220[1]	250	519.5	0.61
					500	1353.4	0.57
					1000	2996.4	0.55
SRK	SRK21-LGS-BH-08	11.6	12.2	35240[1]	100	74.2	1.11
					200	135.9	0.97
					400	255.2	0.88

Requested by	Borehole ID	From (m)	To (m)	Sample ID	Confining Effective Stress (kPa)	Max Deviator Stress (kPa)	Void Ratio
SRK	SRK21-LGS-BH-08	17.7	18.3	35243[1]	100	87	0.97
					200	154.4	0.87
					400	255.8	0.8
SRK	SRK21-NWR-BH-07	16.5	16.8	35252	200	118	1
					400	167.9	1.02
					800	340	0.93
SRK	SRK21-NWR-BH-07	18	18.6	35255[1]	250	172.4	0.7
					500	444.9	0.64
					1000	782	0.59
SRK	SRK21-OP-BH-09	18	18.6	36204	150	152.7	0.89
					300	229.5	0.8
					600	418.6	0.75
WSP-Golder	SRK21-TSF-BH-19	7.62	8.23	58263	200	184.8	0.6
					500	291.9	0.54
					800	460.7	0.5
SRK	SRK21-PF-BH-02	5.49	6.1	58380[1]	300	203.4	0.87
					600	407.5	0.75
					900	757.8	0.68
SRK	SRK21-PF-BH-02	11	11.3	58382	150	394.7	0.7
					300	720.9	0.7
					600	857.9	0.67
SRK	SRK21-OP-BD-01	8.5	9.1	58459	100	116	0.55
					200	202.3	0.55
					400	341	0.5
SRK	SRK22-LG-BH-05	11.3	11.9	167274	150	80.4	1.13
					300	158.5	0.87
					600	288.9	0.89
SRK	SRK22-PF-BH-03	17.7	18.3	167294	250	183.6	0.83

Requested by	Borehole ID	From (m)	To (m)	Sample ID	Confining Effective Stress (kPa)	Max Deviator Stress (kPa)	Void Ratio
					500	294	0.82
					1000	520.2	0.69
SRK	SRK22-PF-BH-03	22.6	22.9	167296	150	261.7	0.8
					300	257.9	0.78
					600	659.6	0.73
SRK	SRK22-PF-BH-03	33.8	34.1	167298	150	91.8	0.68
					300	121.4	0.66
					600	370.4	0.66
SRK	SRK22-LG-BH-01	5.18	5.79	167343	200	208.4	0.52
					400	369.1	0.47
					800	692	0.45
SRK	SRK22-LG-BH-01	27.7	28.3	167388[1]	200	782	0.38
					400	828.8	0.32
					800	2570.3	0.36
SRK	SRK22-WOS-BH-01	5.18	5.79	167390[1]	150	106.2	0.61
					300	217.6	0.55
					600	463.4	0.5
SRK	SRK22-WOS-BH-01	11.3	11.9	167392[1]	100	72.4	1.08
					200	129.1	0.98
					400	214.4	0.85
SRK	SRK21-LG-BH-04	11.6	12.2	167506	150	244.6	0.73
					300	570.3	0.66
					600	1013.1	0.63
SRK	SRK21-LG-BH-04	19.5	19.8	167511	200	99.1	0.42
					400	207.3	0.38
					800	508.1	0.4
SRK	SRK22-OP-BH-06	6.4	7.01	167628	150	224.1	0.51
					300	343	0.51

Requested by	Borehole ID	From (m)	To (m)	Sample ID	Confining Effective Stress (kPa)	Max Deviator Stress (kPa)	Void Ratio
					600	589.5	0.46
SRK	SRK21-OP-BH-02	11.9	12.5	167785[1]	200	134	0.84
					400	324.8	0.72
					800	638.7	0.64
SRK	SRK21-LGS-BH-01	6.8	6.9	167804[1]	300	615.1	0.43
					600	1331.6	0.39
					1200	2318.9	0.38
SRK	SRK21-PF-BH-04	16.2	16.5	167843	200	1107	0.74
					400	1313.3	0.96
					800	1693	0.94

Notes:

[1] Multistage Triaxial Test

6.5 Permeability Tests

Ten (10) permeability tests using flexible wall permeameter (ASTM D5084-16a) were completed with results summarized in Table 6.5. Sample laboratory certificates are provided in Appendix E.2.

Table 6.5: Permeability Test Results Summary

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Sample Description	Hydraulic Gradient, i	Confining Effective Stress (kPa)	Hydraulic Conductivity (m/s)
SRK	SRK21-OP-BD-03	18.3	19	36193	Clay	23	500	3.10E-10
						50	500	3.06E-10
						102	500	3.50E-10
						200	500	2.88E-10
						400	500	2.66E-10
						647	500	2.52E-10

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Sample Description	Hydraulic Gradient, i	Confining Effective Stress (kPa)	Hydraulic Conductivity (m/s)
SRK	SRK21-OP-BH-09	18	19	36204	Clay	20	150	2.41E-10
						50	150	2.24E-10
						60	150	2.13E-10
SRK	SRK21-OP-BD-01	8.5	9.1	58459	Clay	19	100	9.62E-11

6.6 One Dimensional Consolidation

One dimensional consolidation tests (ASTM D2435 / D2435M-11) were performed on 21 samples. Table 6.6 lists the tested samples and laboratory results are shown in Figures 48-68. Appendix E.4 provides laboratory certificates of the test results.

Table 6.6: One Dimensional Consolidation Sample List

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Sample Description
SRK	SRK21-OP-BD-12	7.16	7.77	35165	Clay
SRK	SRK21-OP-BD-10	2.74	3.35	35203	Fat Clay
SRK	SRK21-OP-BH-04	2.44	3.05	35220	Clay
SRK	SRK21-LGS-BH-08	5.48	6.09	35237	Fat Clay
SRK	SRK21-LGS-BH-08	11.58	12.19	35240	Fat Clay
SRK	SRK21-LGS-BH-08	17.67	18.28	35243	Fat Clay
WSP-Golder	SRK21-TSF-BH-09	11.6	12.2	58292	Clay
WSP-Golder	SRK21-TSF-BH-07	12.8	13.4	58312	Clay
SRK	SRK21-PF-BH-02	5.49	6.1	58380	Clay
WSP-Golder	SRK21-TSF-BH-18	4	4.6	58385	Clay
WSP-Golder	SRK21-TSF-BH-10	7.9	8.5	58491	Clay
SRK	SRK22-PF-BH-03	11.58	12.19	167292	-
WSP-Golder	SRK22-TSF-BH-23	3.66	4.27	167304	Clay
SRK	SRK22-LG-BH-01	5.18	5.79	167383	Lean Clay
SRK	SRK22-LG-BH-01	27.73	28.34	167388	Clay
SRK	SRK22-WOS-BH-01	5.18	5.79	167390	Fat Clay
SRK	SRK22-WOS-BH-01	11.28	11.89	167392	Fat Clay
SRK	SRK22-WOS-BH-01	17.37	17.98	167394	Fat Clay

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Sample Description
SRK	SRK22-OP-BH-08	2.13	2.74	167718	Clay
SRK	SRK21-OP-BH-02	11.89	12.5	167785	Clay
WSP-Golder	SRK21-TSF-BH-31	15.8	16.5	168401	Fat Clay

6.7 Direct Simple Shear Tests

Direct simple shear tests (ASTM D2435 / D2435M-11) were performed on 6 samples. Table 6.7 lists the tested samples and Appendix E.5 provides laboratory certificates of the test results.

Table 6.7: Direct Shear Test Sample List

Requested By	Borehole ID	From (m)	To (m)	Sample ID	Sample Description
WSP-Golder	SRK21-TSF-BH-19	10.7	11.3	58266	Fat Clay
WSP-Golder	SRK21-TSF-BH-09	5.5	6.1	58289	Clay
WSP-Golder	SRK21-TSF-BH-07	8.2	8.8	58309	Clay
WSP-Golder	SRK21-TSF-BH-10	14	14.6	58495	Clay
WSP-Golder	SRK22-TSF-BH-27	11.9	12.5	167488	Fat Clay
WSP-Golder	SRK22-TSF-BH-31	7.9	8.5	167746	Fat Clay

Closure

As part of the ongoing FS study of the Crawford Nickel Project, SRK completed an extensive site investigation program for CNC to characterize the overburden materials in and around the planned facilities of the project. The field investigation included sonic boreholes, test pits, piezometer installations, SPTs, CPTs, pore pressure dissipation tests, seismic shear wave tests and shear vane tests. The laboratory testing program comprehended index and advanced tests.

This document summarizes the geotechnical field and laboratory results of the site investigation. The interpretation of the site investigation results will be included in future subsequent reports and will serve as the main inputs for the geotechnical design of open pit slopes as well as the design of dumps stockpiles and waste rock dams.

This report, Crawford Overburden Geotechnical Investigation Factual Report, was prepared by



Andres Ricardo Barrero Bernal, PhD
Consultant, Civil Engineering

and reviewed by



Arcesio Lizcano, PhD
Corporate Consultant, Civil Engineering

All data used as source material plus the text, tables, figures, and attachments of this document have been reviewed and prepared in accordance with generally accepted professional engineering and environmental practices.

References

ASTM D854-14, Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer, ASTM International, West Conshohocken, PA, 2014, www.astm.org

ASTM D2216-19, Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass, ASTM International, West Conshohocken, PA, 2019, www.astm.org

ASTM D2435 / D2435M-11(2020), Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading, ASTM International, West Conshohocken, PA, 2020, www.astm.org

ASTM D2487-17e1, Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System), ASTM International, West Conshohocken, PA, 2017, www.astm.org

ASTM D2488-17e1, Standard Practice for Description and Identification of Soils (Visual-Manual Procedures), ASTM International, West Conshohocken, PA, 2017, www.astm.org

ASTM D4220/D4220M-14 (2014), Standard Practice for Preserving and Transporting Soil Samples, ASTM International, West Conshohocken, PA, 2014, www.astm.org

ASTM D4318-17e1, Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils, ASTM International, West Conshohocken, PA, 2017, www.astm.org

ASTM D4767-11(2020), Standard Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils, ASTM International, West Conshohocken, PA, 2020, www.astm.org

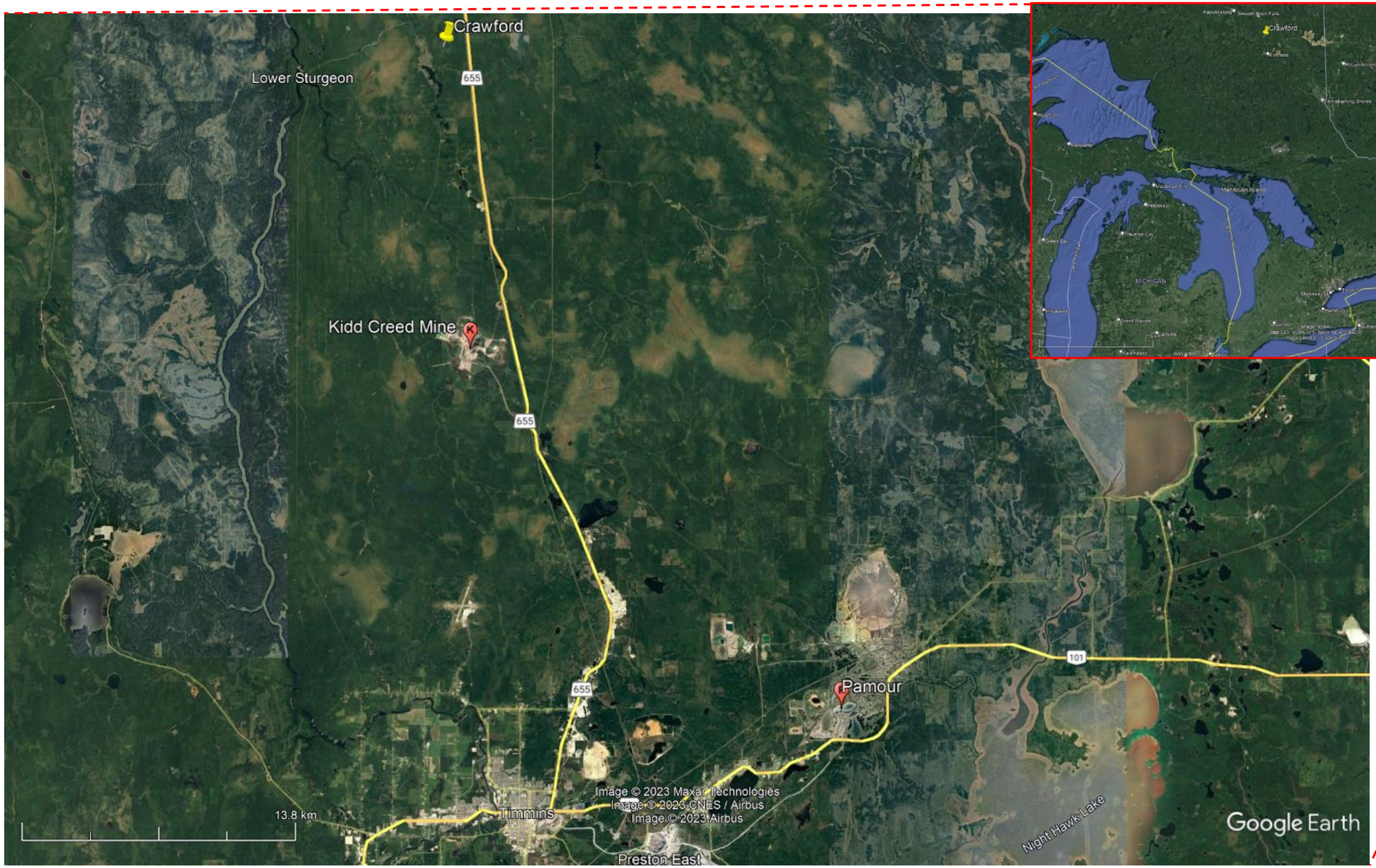
ASTM D5084-16a, Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter, ASTM International, West Conshohocken, PA, 2016, www.astm.org

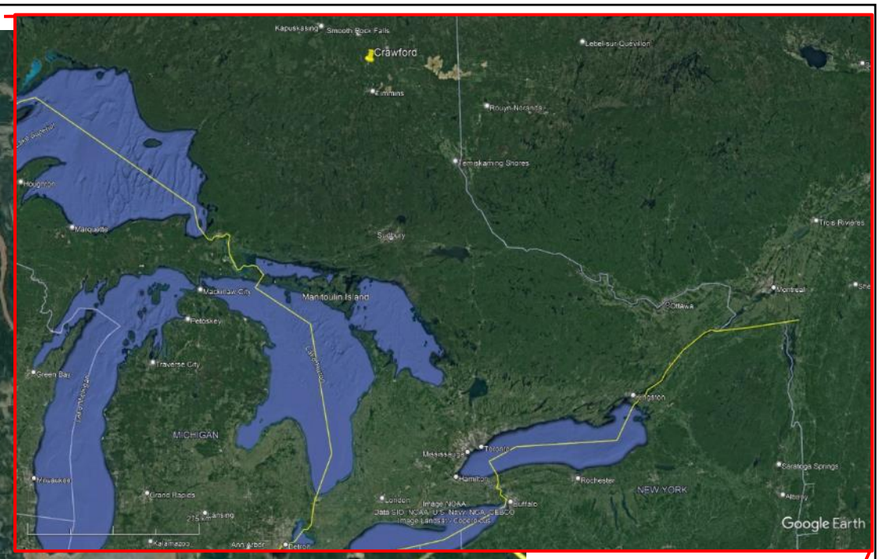
ASTM D6519-15 (2015), Standard Practice for Sampling of Soil Using the Hydraulically Operated Stationary Piston Sampler, ASTM International, West Conshohocken, PA, 2015, www.astm.org

ASTM D6913 / D6913M-17, Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis, ASTM International, West Conshohocken, PA, 2017, www.astm.org

ASTM D7928-17, Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis, ASTM International, West Conshohocken, PA, 2017, www.astm.org

Figures





N

Source: Google Earth

Legend

Crawford project

Kidd Creed Mine

Pamour Mine unit

srk consulting

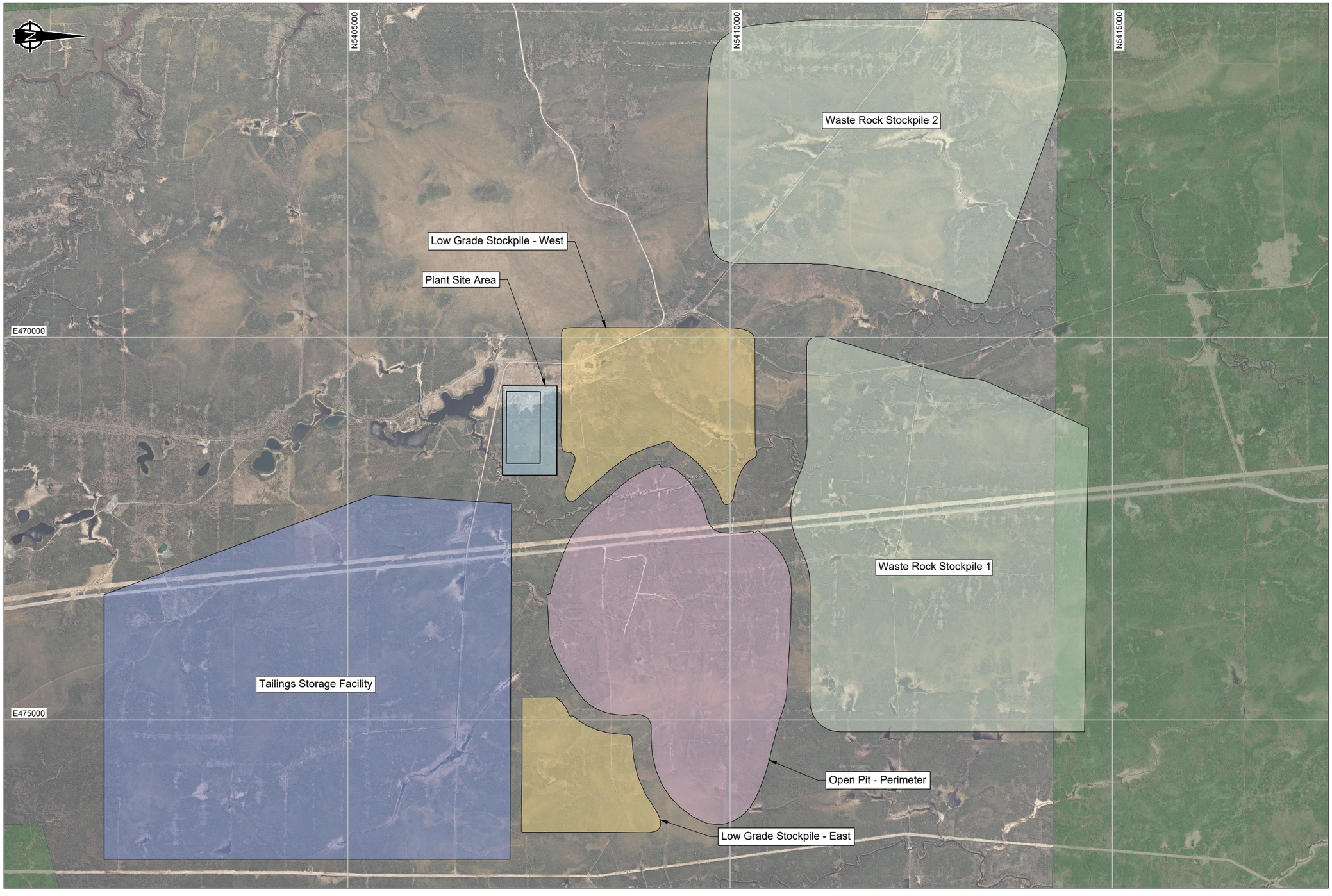
CANADA NICKEL COMPANY

Job No: CAPR000801

Crawford Overburden Geotechnical Investigation Factual Report

Site overview

Date:	Approved:	Figure No.:
January 2023	ARB	1



LEGEND

- Borehole
- Cone Penetration Test
- Test Pit
- Open Pit
- Low Grade Stockpile
- Plant Site
- Waste Rock Stockpile
- Tailings Storage Facility

NOTES

1. All units are in meters unless otherwise specified.
2. Open Pit - Perimeter, Plant Site Area, Tailings Storage Facility, Low Grade Stockpiles, Waste Rock Stockpiles footprints are based on the latest information available on October 19, 2022, and are subjected to change if necessary.

REFERENCES

NAD83 CSRS UTM Zone 17.
Aerial imagery acquired by Tulloch Mapping Solutions on 2021/05/13 with extended imagery extracted from Global Mapper on 2022/08/24.

0m 500 1000 1500 2000

srk consulting

CANADA NICKEL COMPANY

SRK JOB NO.: CAPR000801

FILE NAME: CAPR000801_Site Investigation.dwg

Crawford Ni-Co Project

Site Investigation Factual Report

Crawford Facilities Layout

DATE: 2023/03/24

APPROVED: -

FIGURE: 2

C:\Users\jbokic\SRK Consulting\NA 2CC076.000 CAPR000801 Canada Nickel Crawford FS - 1040_AutoCAD\ACAD_C3D\CAPR000801_Stockpiles\Site Investigation\CAPR000801_Site Investigation.dwg

N5405000
N5410000
N5415000
E470000
E475000

SRK21-TSF2-BH-102
SRK21-TSF2-BH-103
Waste Rock Stockpile 2
Low Grade Stockpile - West
Plant Site Area
SRK21-PF-BH-04
SRK21-PF-BH-01
SRK21-PF-BH-02
SRK22-PF-BH-03
SRK21-LGS-BH-08
SRK21-LG-BH-04
SRK21-TSF-BH-17
SRK21-TSF-BH-08
SRK22-HG-BH-01
SRK22-HG-BH-03
SRK22-LG-BH-05
SRK22-LG-BH-03
SRK21-LGS-BH-01
SRK22-WRD-BH-17
SRK22-LG-BH-01
SRK22-WRD-BH-07
SRK21-TSF-BH-18
SRK22-WOS-BH-01
SRK22-TSF-BH-28
SRK22-TSF-BH-26
SRK22-OP-BH-10
SRK22-OP-BH-01
SRK21-NWR-BH-01
SRK21-WRD-BH-06
SRK21-OP-BH-09
SRK21-OP-BD-02
SRK21-NWR-BH-11
SRK21-NWR-BH-07
SRK21-OP-BD-01
SRK21-SOS-BH-01
SRK21-TSF-BH-07
SRK21-OP-BD-09
SRK21-TSF-BH-09
SRK21-OP-BD-12
Waste Rock Stockpile 1
SRK21-SOS-BH-05
SRK21-OP-BH-02
SRK22-TSF-BH-30
SRK22-TSF-BH-32
SRK21-OP-BD-06
SRK21-TSF-BH-19
SRK21-OP-BD-03
SRK22-SOS-BH-02
SRK22-TSF-BH-34
SRK22-TSF-BH-22
SRK21-OP-BD-05
SRK21-OP-BD-08
SRK22-OP-BH-03
SRK21-OP-BD-11
SRK22-OP-BH-06
SRK22-OP-BH-08
SRK21-OP-BH-05
SRK22-WRD-BH-16
Tailings Storage Facility
SRK22-TSF-BH-16
SRK21-OP-BH-07
SRK21-OP-BH-04
SRK21-TSF-BH-10
SRK22-OP-BD-04
SRK22-TSF-BH-06
SRK22-OP-BD-07
SRK22-TSF-BH-23
SRK22-TSF-BH-11
SRK21-OP-BD-10
SRK22-TSF-BH-01A
Open Pit - Perimeter
SRK22-TSF-BH-01
SRK22-TSF-BH-13
SRK22-TSF-BH-05
Low Grade Stockpile - East
SRK22-TSF-BH-27
SRK22-TSF-BH-31
SRK22-TSF-BH-15
SRK22-TSF-BH-25
SRK22-TSF-BH-04

LEGEND

- Borehole
- Open Pit
- Low Grade Stockpile
- Plant Site
- Waste Rock Stockpile
- Tailings Storage Facility

NOTES

1. All units are in meters unless otherwise specified.
2. Open Pit - Perimeter, Plant Site Area, Tailings Storage Facility, Low Grade Stockpiles, Waste Rock Stockpiles footprints are based on the latest information available on October 19, 2022, and are subjected to change if necessary.

REFERENCES

NAD83 CSRS UTM Zone 17.
Aerial imagery acquired by Tulloch Mapping Solutions on 2021/05/13 with extended imagery extracted from Global Mapper on 2022/08/24.

0m 500 1000 1500 2000

C:\Users\jbokic\SRK Consulting(NA 2\CO776.000 CAPR000801 Canada Nickel Crawford FS - 1040_AutoCAD\ACAD_C3D\CAPR000801_Stockpiles\Site Investigation\CAPR000801_Site Investigation.dwg

srk consulting

CANADA NICKEL COMPANY

SRK JOB NO.: CAPR000801
FILE NAME: CAPR000801_Site Investigation.dwg

Crawford Ni-Co Project

Site Investigation Factual Report

Borehole Locations

DATE:	APPROVED:	FIGURE:
2023/03/24	-	3

N5405000
N5410000
N5415000
E470000
E475000

Waste Rock Stockpile 2
Waste Rock Stockpile 1
Low Grade Stockpile - West
Plant Site Area
Tailings Storage Facility
Low Grade Stockpile - East
Open Pit - Perimeter

SRK21-TSF2-CPT-102
SRK21-PF-CPT-04
SRK21-PF-CPT-01
SRK21-PF-CPT-02
SRK22-PF-CPT-03
SRK21-LGS-CPT-05
SRK21-LG-CPT-05
SRK22-HG-CPT-01
SRK22-LG-CPT-01
SRK22-LG-CPT-06
SRK22-WRD-CPT-15
SRK21-TSF-CPT-07
SRK22-HG-CPT-03
SRK21-LGS-CPT-01
SRK22-WRD-CPT-16
SRK22-LG-CPT-02
SRK22-WRD-CPT-14
SRK22-WOS-CPT-01
SRK22-LG-CPT-03
SRK22-OP-CPT-16
SRK22-TSF-CPT-17
SRK22-OP-CPT-08
SRK22-OP-CPT-09
SRK21-NWR-CPT-07
SRK21-WRD-CPT-17
SRK21-OP-CPT-07
SRK22-OP-CPT-12
SRK21-NWR-CPT-01
SRK21-TSF-CPT-06
SRK21-OP-CPT-01
SRK22-TSF-CPT-20
SRK21-OP-CPT-11
SRK21-TSF-CPT-08
SRK22-TSF-CPT-21
SRK22-SOS-CPT-01
SRK21-OP-CPT-10
SRK22-OP-CPT-06
SRK22-OP-CPT-04
SRK22-WRD-CPT-10
SRK21-OP-CPT-02
SRK22-TSF-CPT-11
SRK21-OP-CPT-05
SRK21-TSF-CPT-14
SRK22-OP-CPT-03
SRK22-TSF-CPT-15
SRK22-TSF-CPT-09
SRK22-TSF-CPT-01A
SRK22-TSF-CPT-01
SRK22-TSF-CPT-10
SRK22-TSF-CPT-04
SRK22-TSF-CPT-18
SRK22-TSF-CPT-23
SRK22-TSF-CPT-19
SRK22-TSF-CPT-03
SRK22-TSF-CPT-13

LEGEND

- Cone Penetration Test
- Open Pit
- Low Grade Stockpile
- Plant Site
- Waste Rock Stockpile
- Tailings Storage Facility

NOTES

1. All units are in meters unless otherwise specified.
2. Open Pit - Perimeter, Plant Site Area, Tailings Storage Facility, Low Grade Stockpiles, Waste Rock Stockpiles footprints are based on the latest information available on October 19, 2022, and are subjected to change if necessary.

REFERENCES

NAD83 CSRS UTM Zone 17.
Aerial imagery acquired by Tulloch Mapping Solutions on 2021/05/13 with extended imagery extracted from Global Mapper on 2022/08/24.

0m 500 1000 1500 2000

C:\Users\jbokic\SRK Consulting\NA 2CC270.000 CAPR000801 Canada Nickel Crawford FS - 1040_AutoCAD\ACAD_C3D\CAPR000801_StockpileSite Investigation\CAPR000801_Site Investigation.dwg

srk consulting

SRK JOB NO.: CAPR000801
FILE NAME: CAPR000801_Site Investigation.dwg

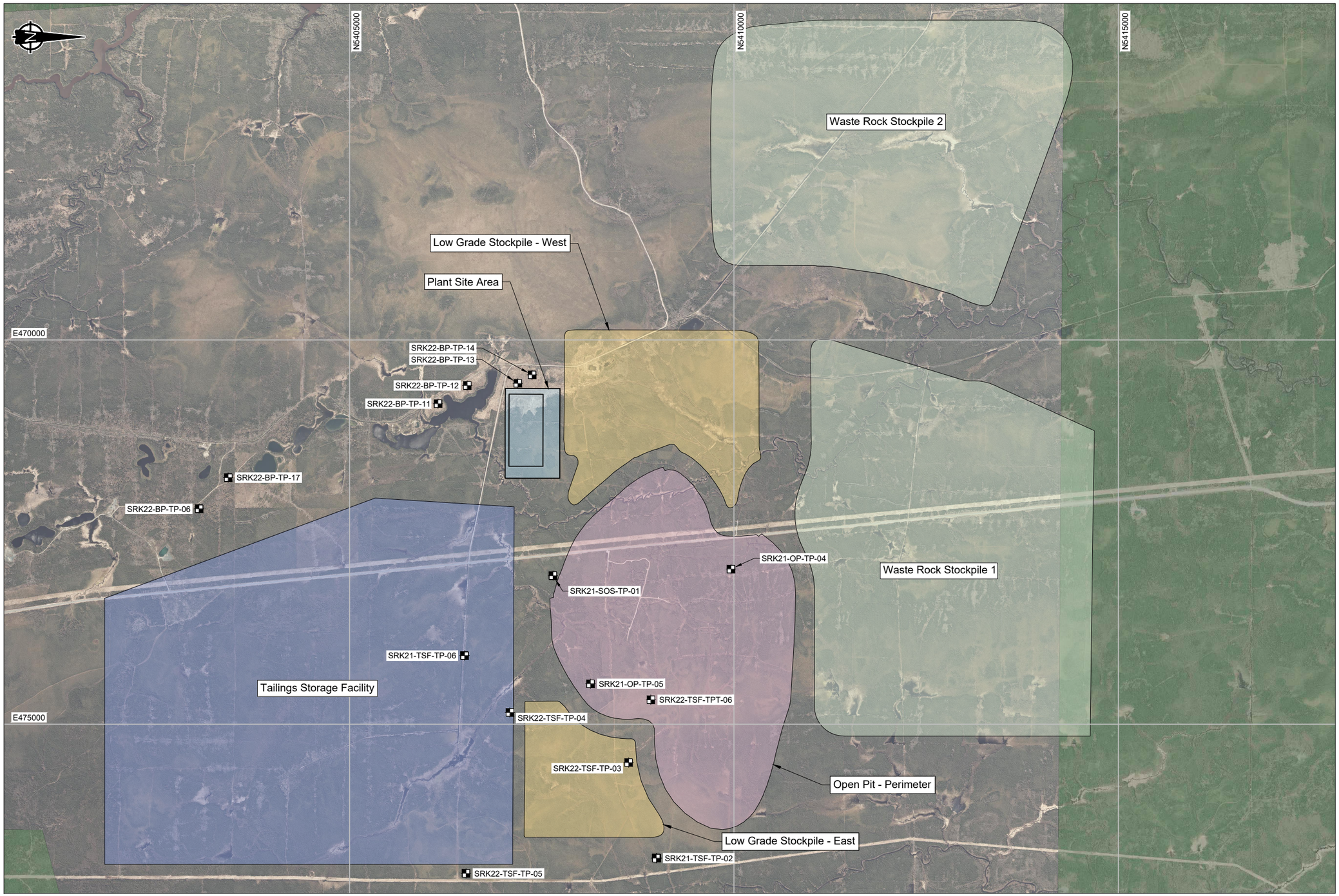
CANADA NICKEL COMPANY

Crawford Ni-Co Project

Site Investigation Factual Report

Core Penetration Tests

DATE: 2023/03/24
APPROVED: -
FIGURE: 4



LEGEND

- Test Pit
- Open Pit
- Low Grade Stockpile
- Plant Site
- Waste Rock Stockpile
- Tailings Storage Facility

NOTES

1. All units are in meters unless otherwise specified.
2. Open Pit - Perimeter, Plant Site Area, Tailings Storage Facility, Low Grade Stockpiles, Waste Rock Stockpiles footprints are based on the latest information available on October 19, 2022, and are subjected to change if necessary.

REFERENCES

NAD83 CSRS UTM Zone 17.

Aerial imagery acquired by Tulloch Mapping Solutions on 2021/05/13 with extended imagery extracted from Global Mapper on 2022/08/24.

0m 500 1000 1500 2000

C:\Users\jbokic\SRK Consulting\NA 2CO376.000 CAPR000801 Canada Nickel Crawford FS - 1040_AutoCAD\ACAD_C3D\CAPR000801_Stockpiles\Site Investigation\CAPR000801_Site Investigation.dwg

srk consulting

CANADA NICKEL COMPANY

SRK JOB NO.: CAPR000801

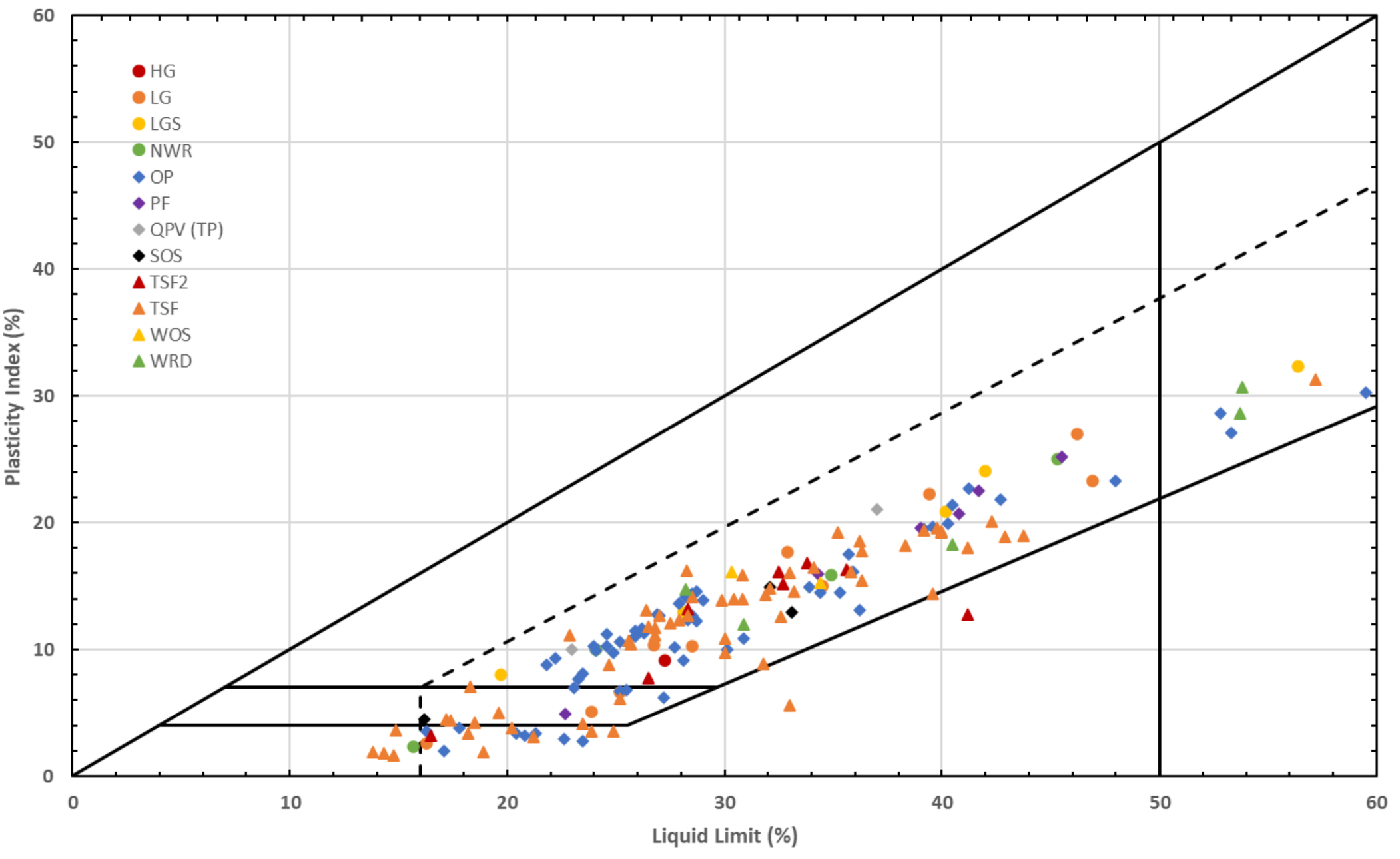
FILE NAME: CAPR000801_Site Investigation.dwg

Crawford Ni-Co Project

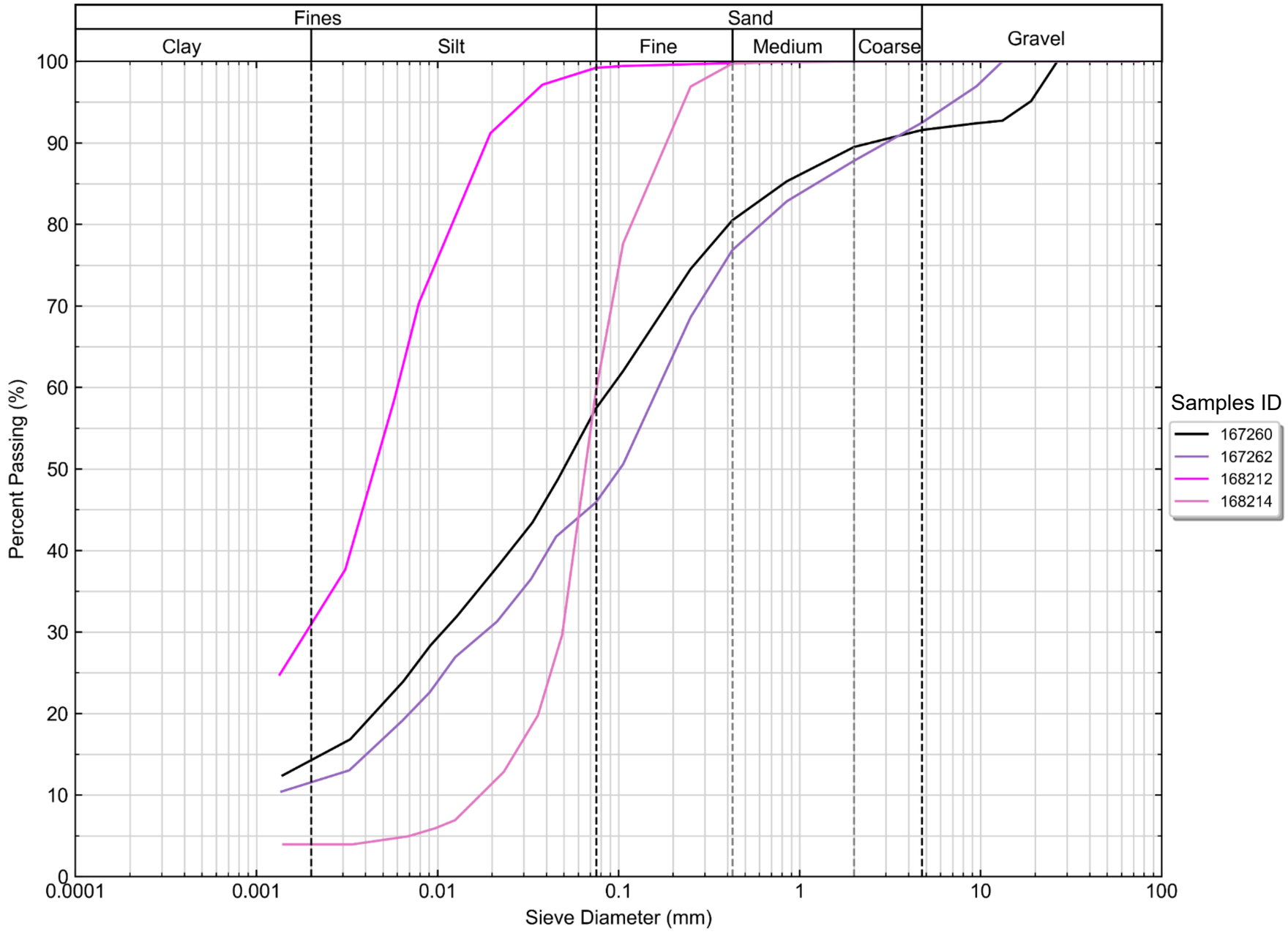
Site Investigation Factual Report

Test Pit Locations

DATE:	APPROVED:	FIGURE:
2023/03/24	-	5



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
		Unified Plasticity Chart
Job No: CAPR000801		*Date:* January 2023 / *Approved:* ARB / *Figure No.:* 6



srk consulting

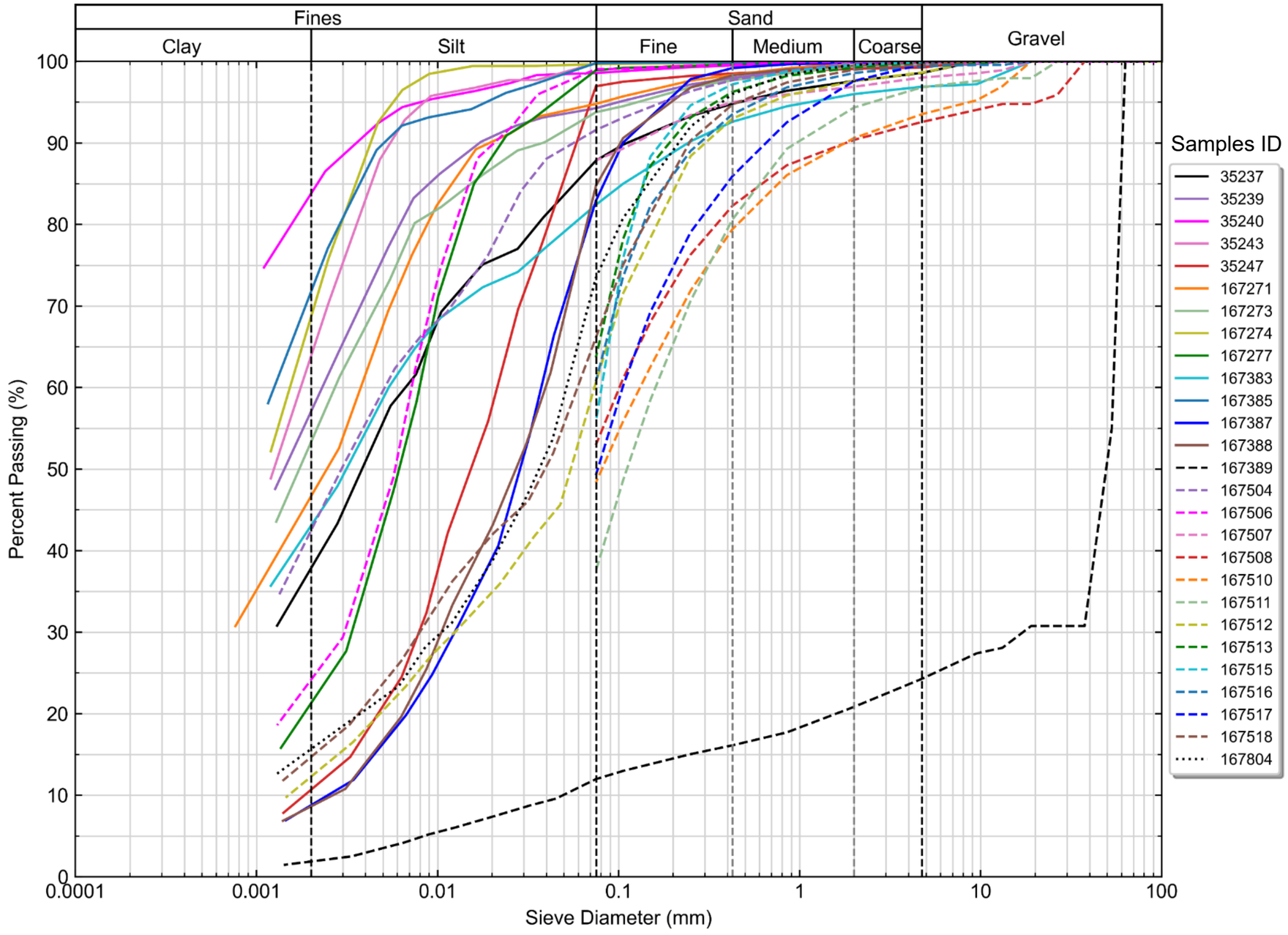
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

Hydro-geotechnical (HG) boreholes particle size distribution curves

Job No: *CAPR000801*

Date:	*Approved:*	*Figure No.:*
January 2023	ARB	7



srk consulting

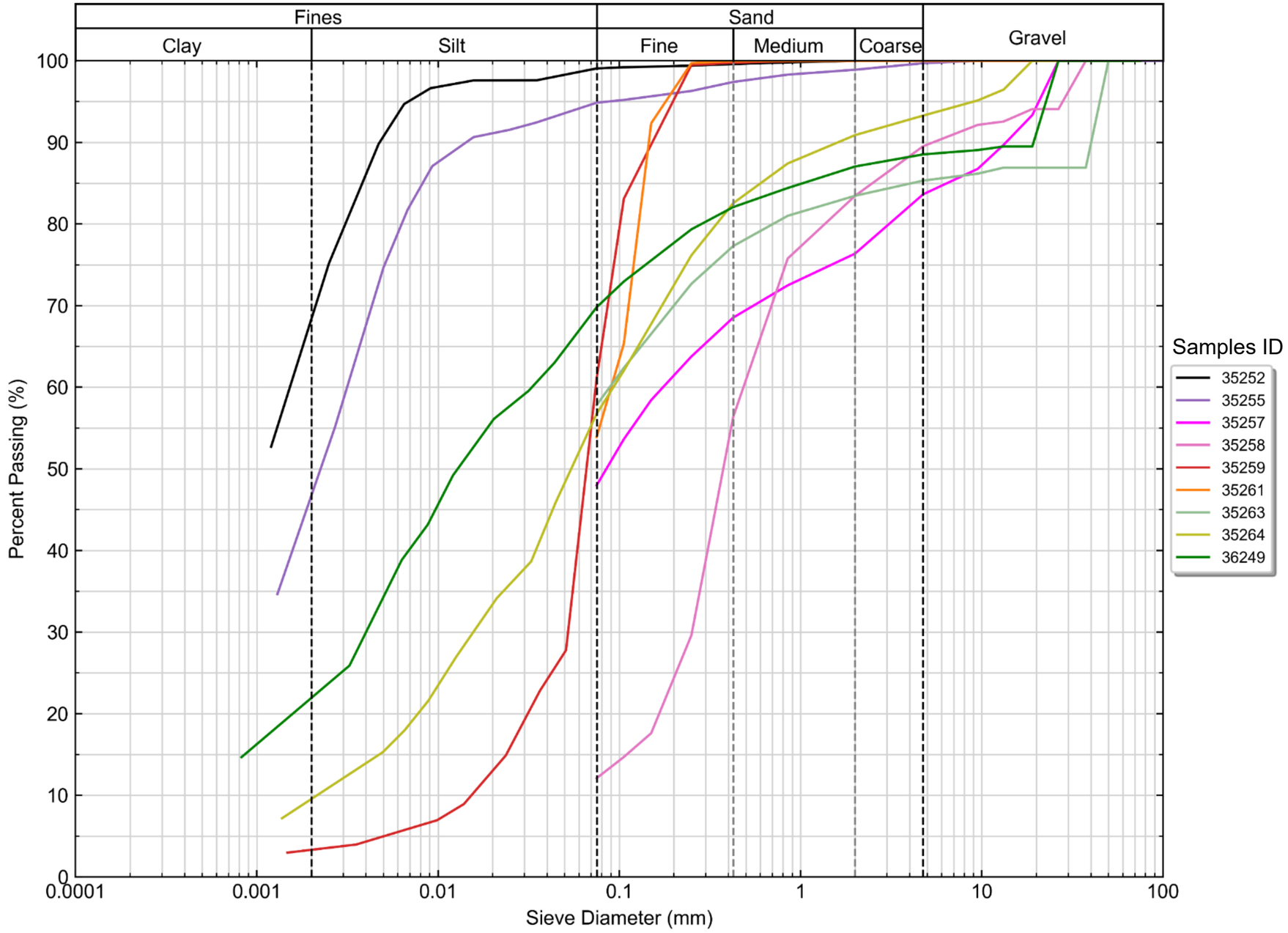
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

Low Grade Stockpiles (LGS) boreholes particle size distribution curves

Job No: CAPR000801

Date:	*Approved:*	*Figure No.:*
January 2023	ARB	8



srk consulting

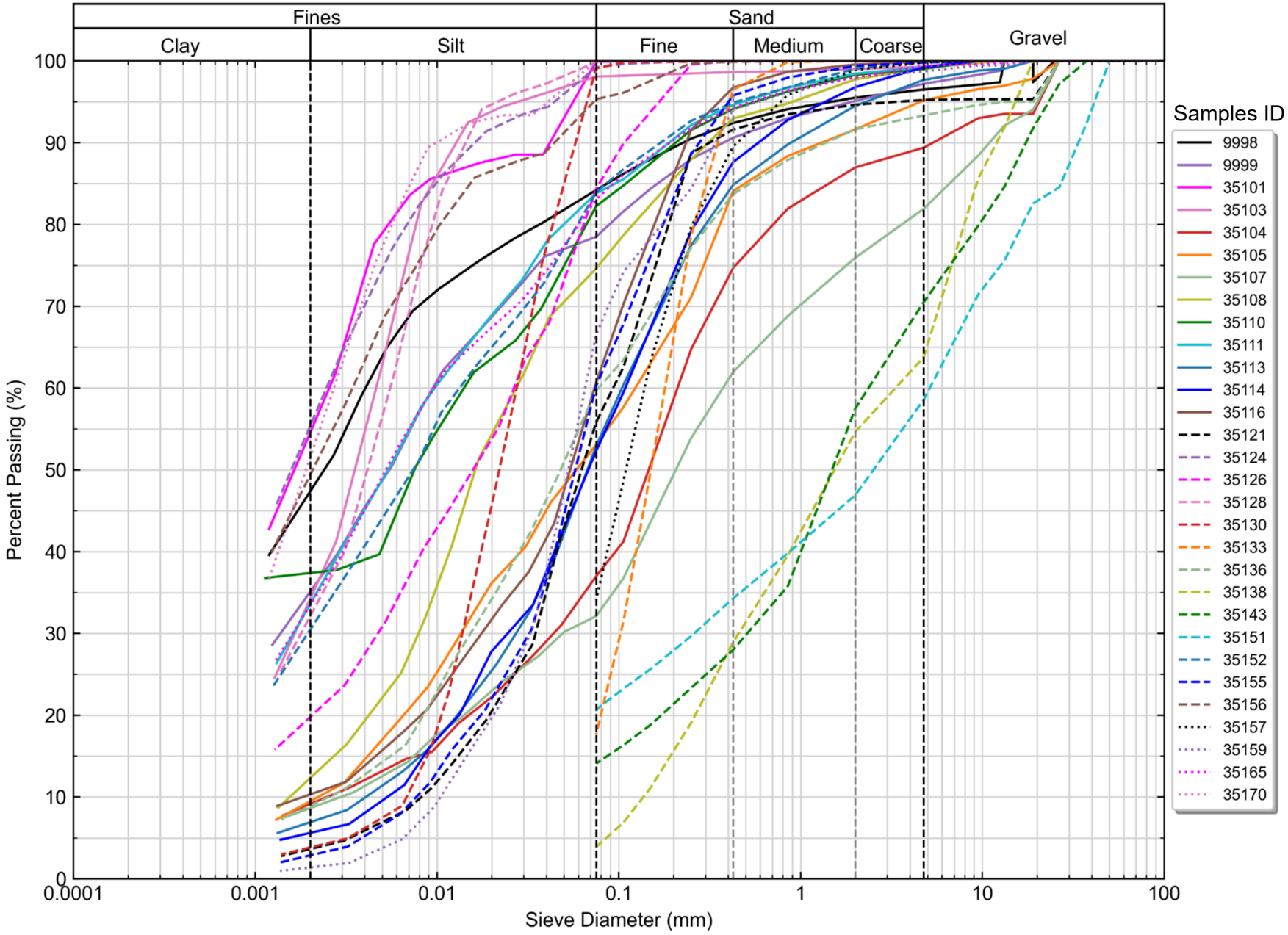
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

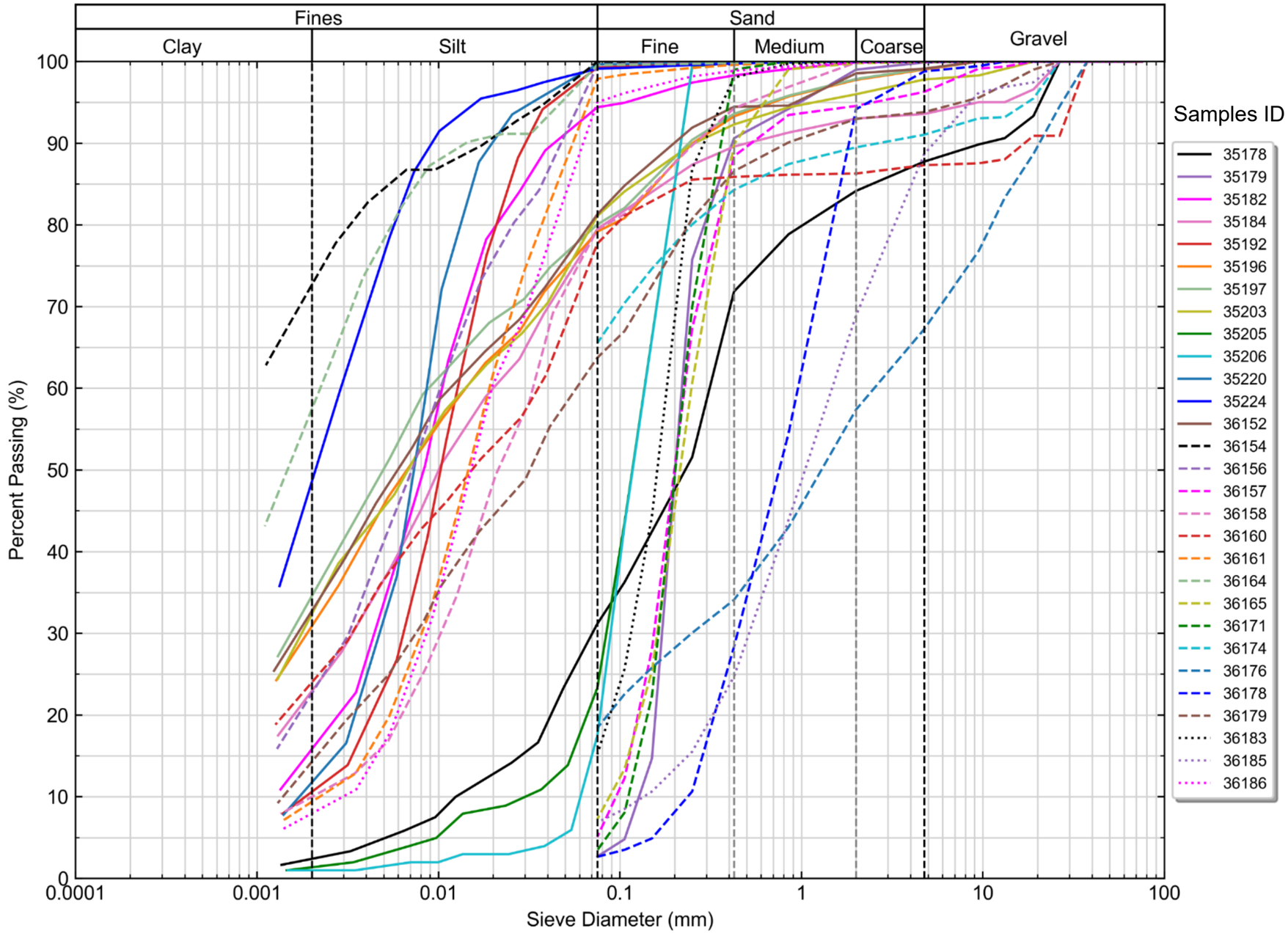
North Waste Rock (NWR) boreholes particle size distribution curves

Job No: *CAPR000801*

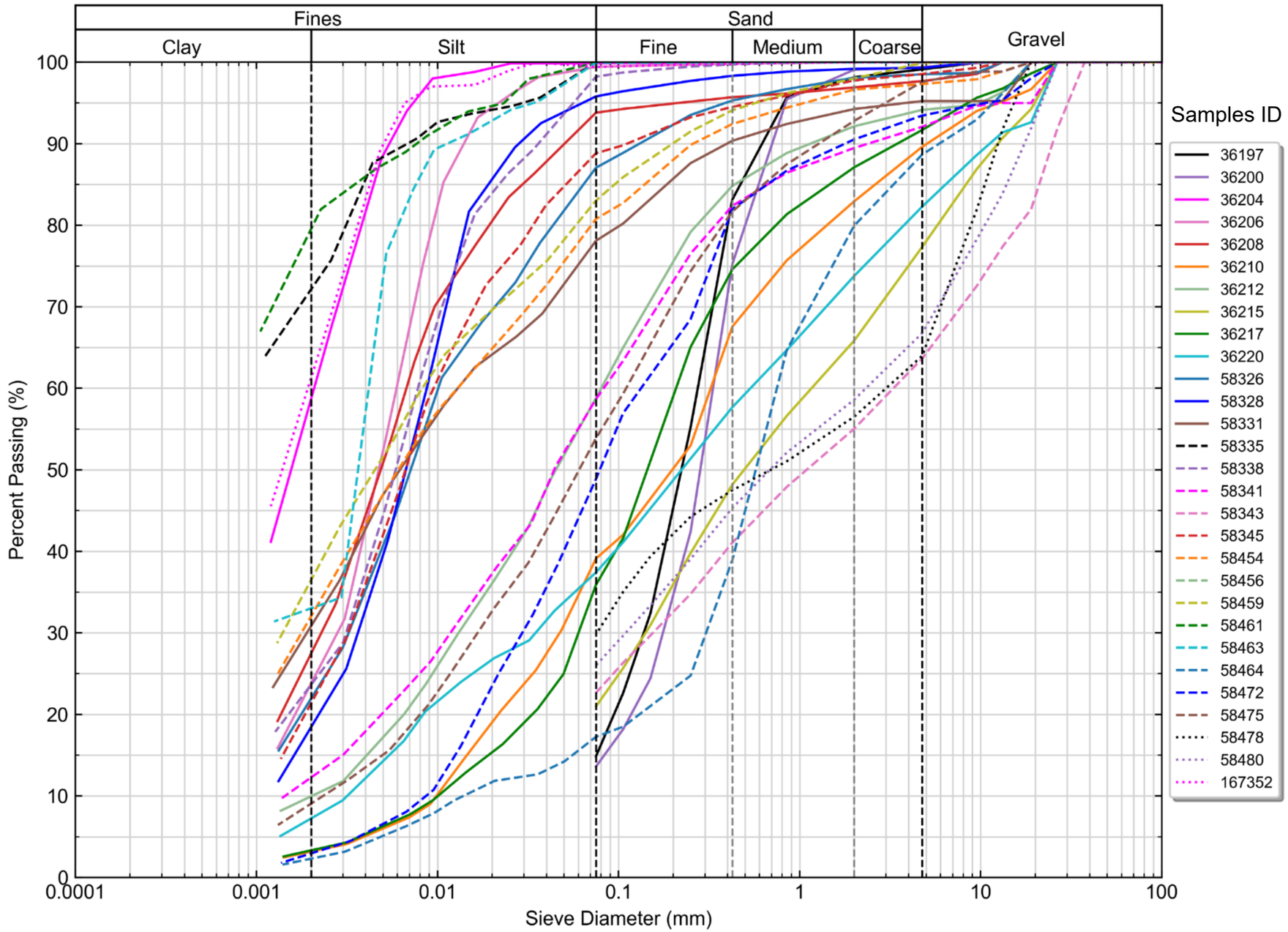
Date:	*Approved:*	*Figure No.:*
January 2023	ARB	9



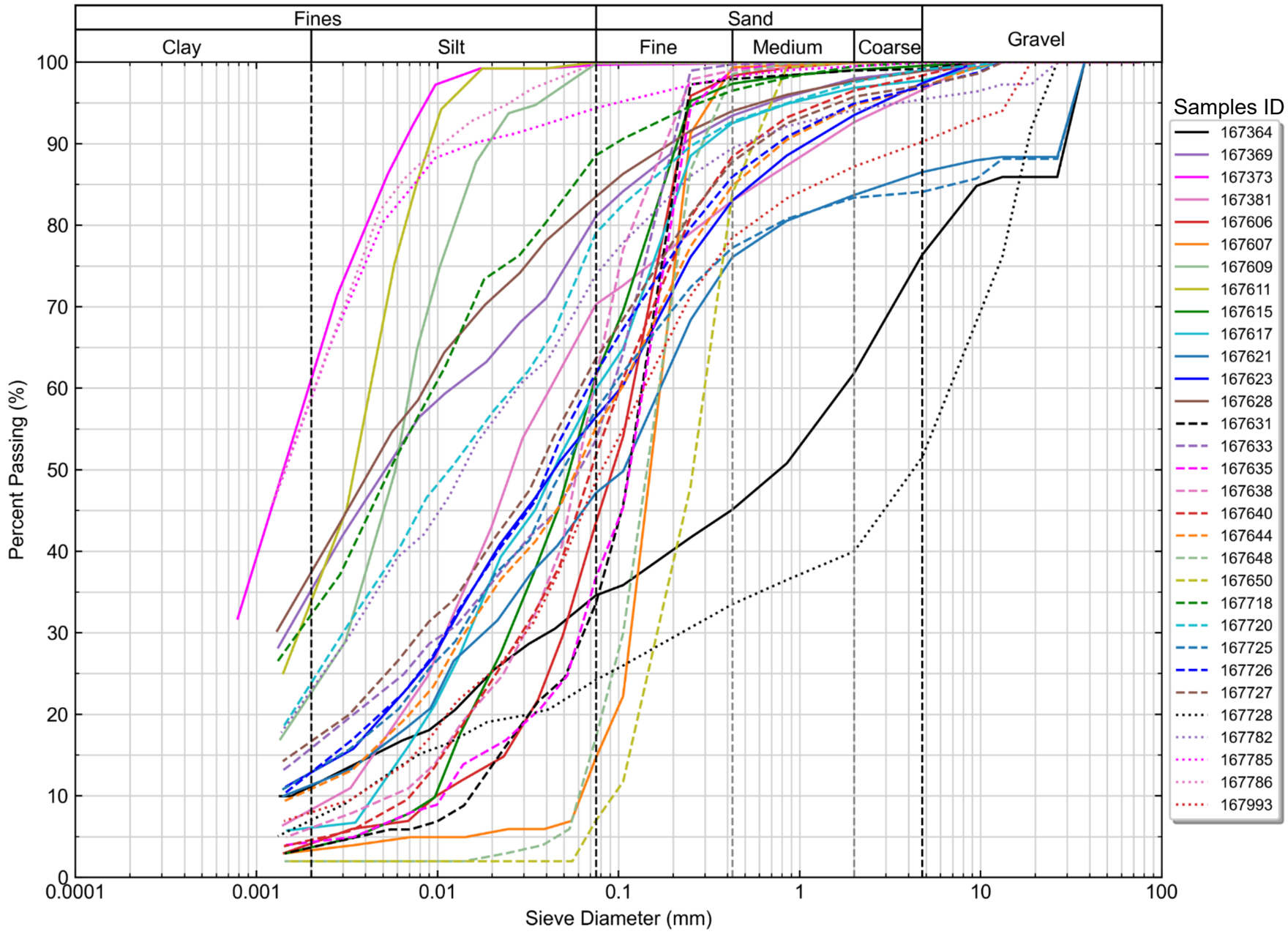
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
		Open pit (OP) – Part 1 particle size distribution curves
Job No: CAPR000801		*Date:* January 2023 / *Approved:* ARB / *Figure No.:* 10



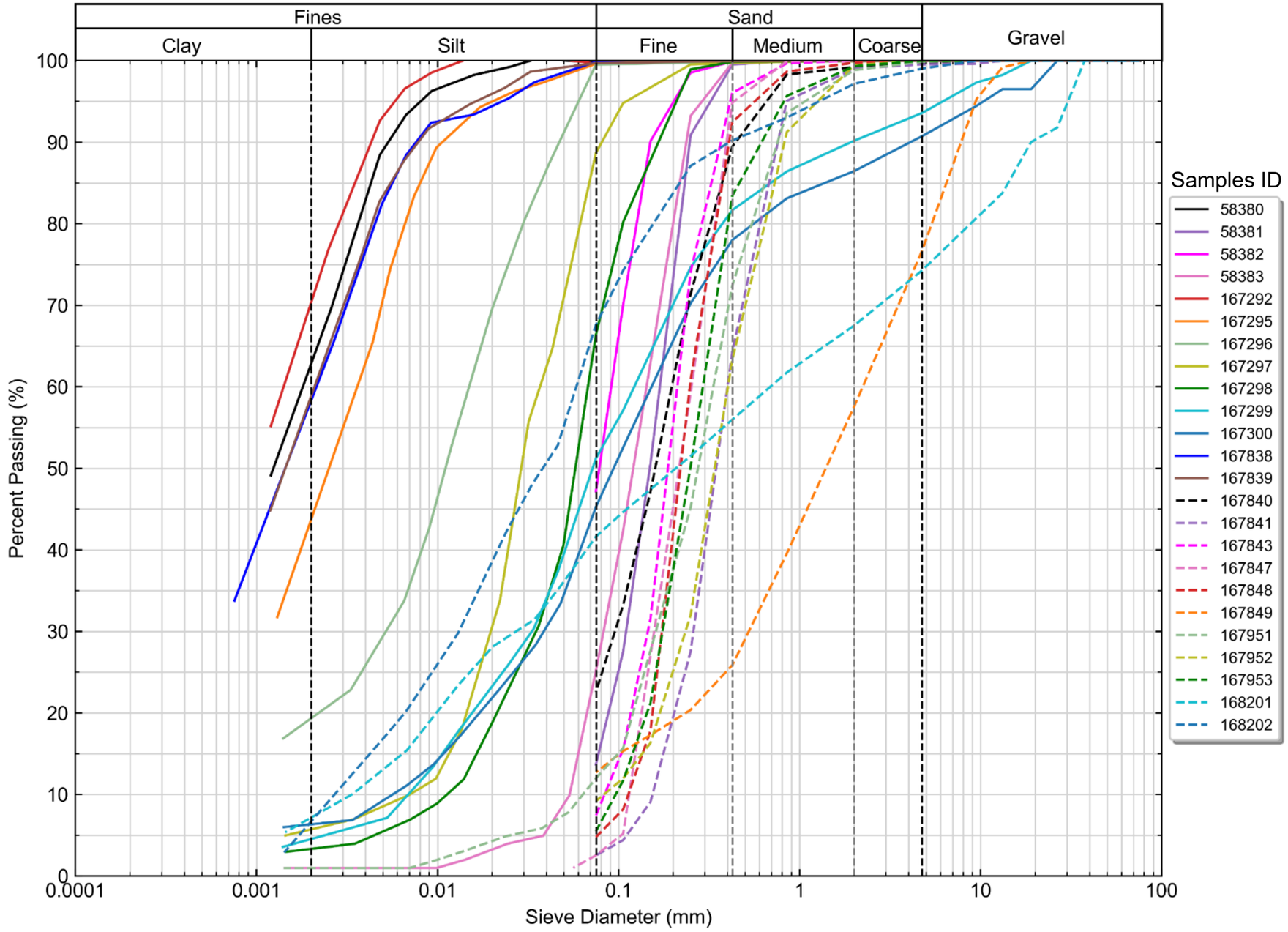
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**Open pit (OP) – Part 2 particle size distribution curves**
		Date: January 2023 / Approved: ARB / Figure No.: 11



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
		Open pit (OP) – Part 3 particle size distribution curves
Job No: CAPR000801		*Date:* January 2023 / *Approved:* ARB / *Figure No.:* 12



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**Open pit (OP) – Part 4 particle size distribution curves**
		Date: January 2023 / Approved: ARB / Figure No.: 13



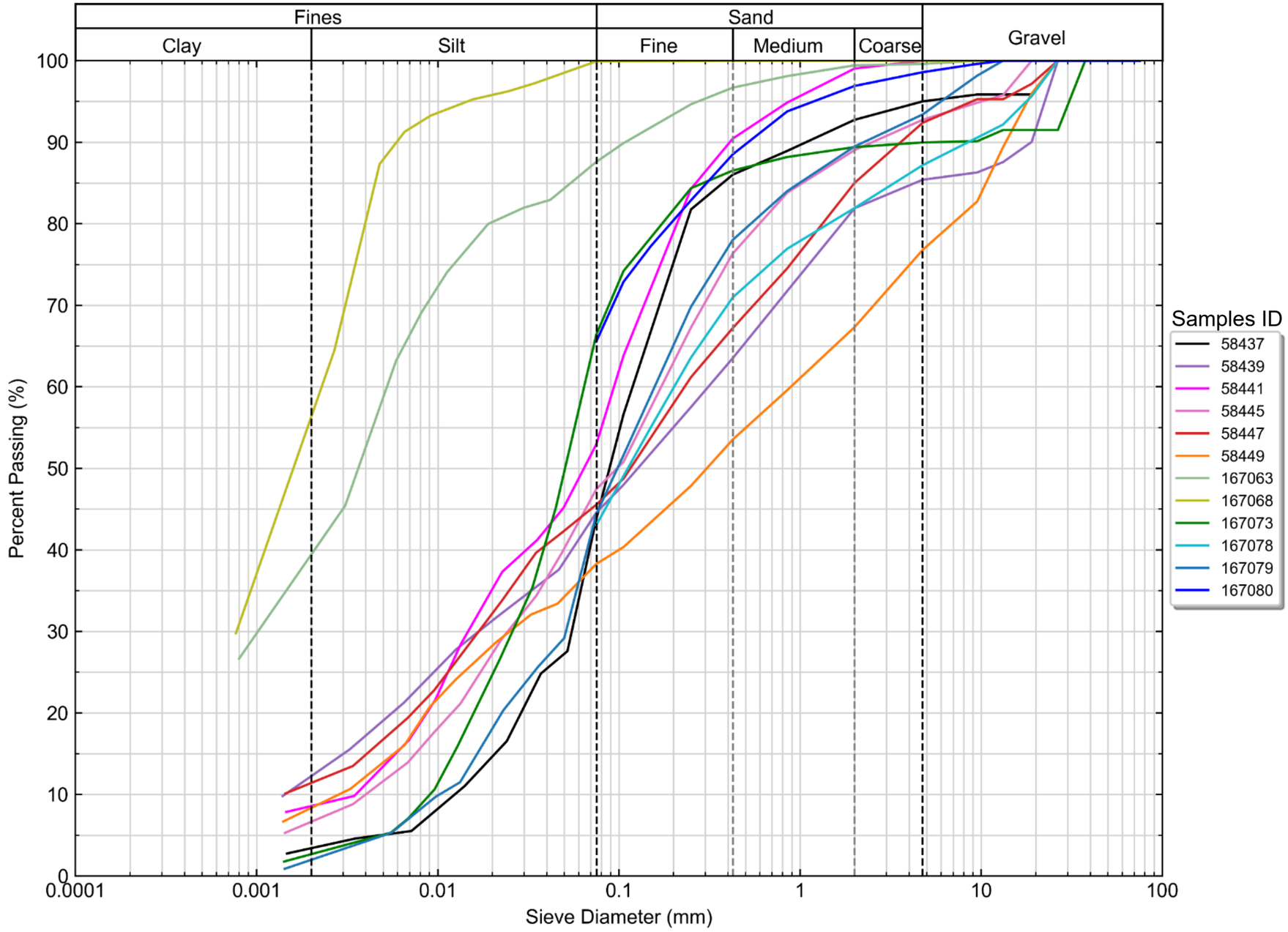
srk consulting

CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

Plant Facility (PF) boreholes particle size distribution curves

Job No:	Date:	Approved:	Figure No.:
CAPR000801	January 2023	ARB	14



srk consulting

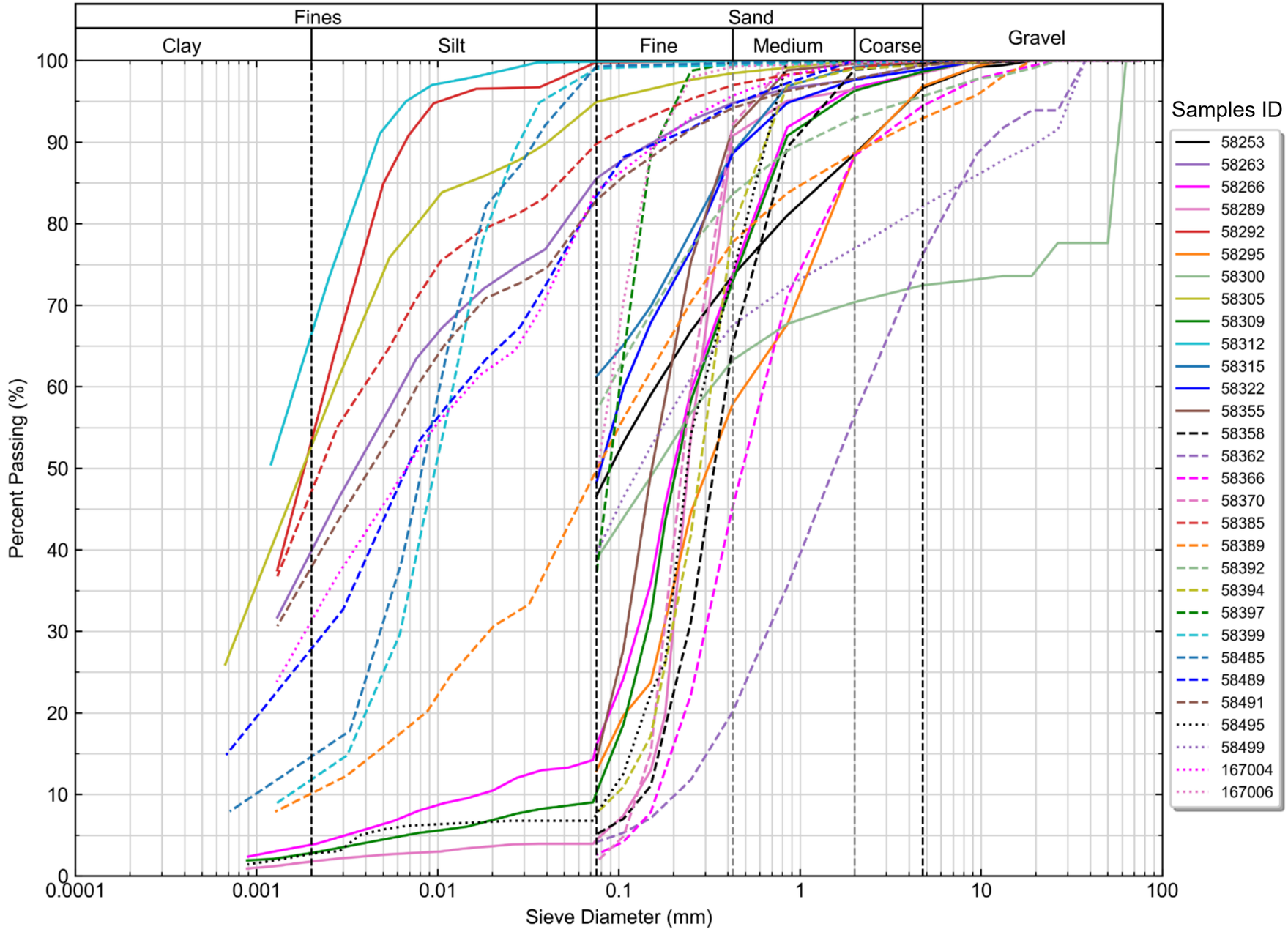
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

South Overburden Stockpile (SOS) boreholes particle size distribution curves

Job No: CAPR000801

Date:	Approved:	Figure No.:
January 2023	ARB	15



srk consulting

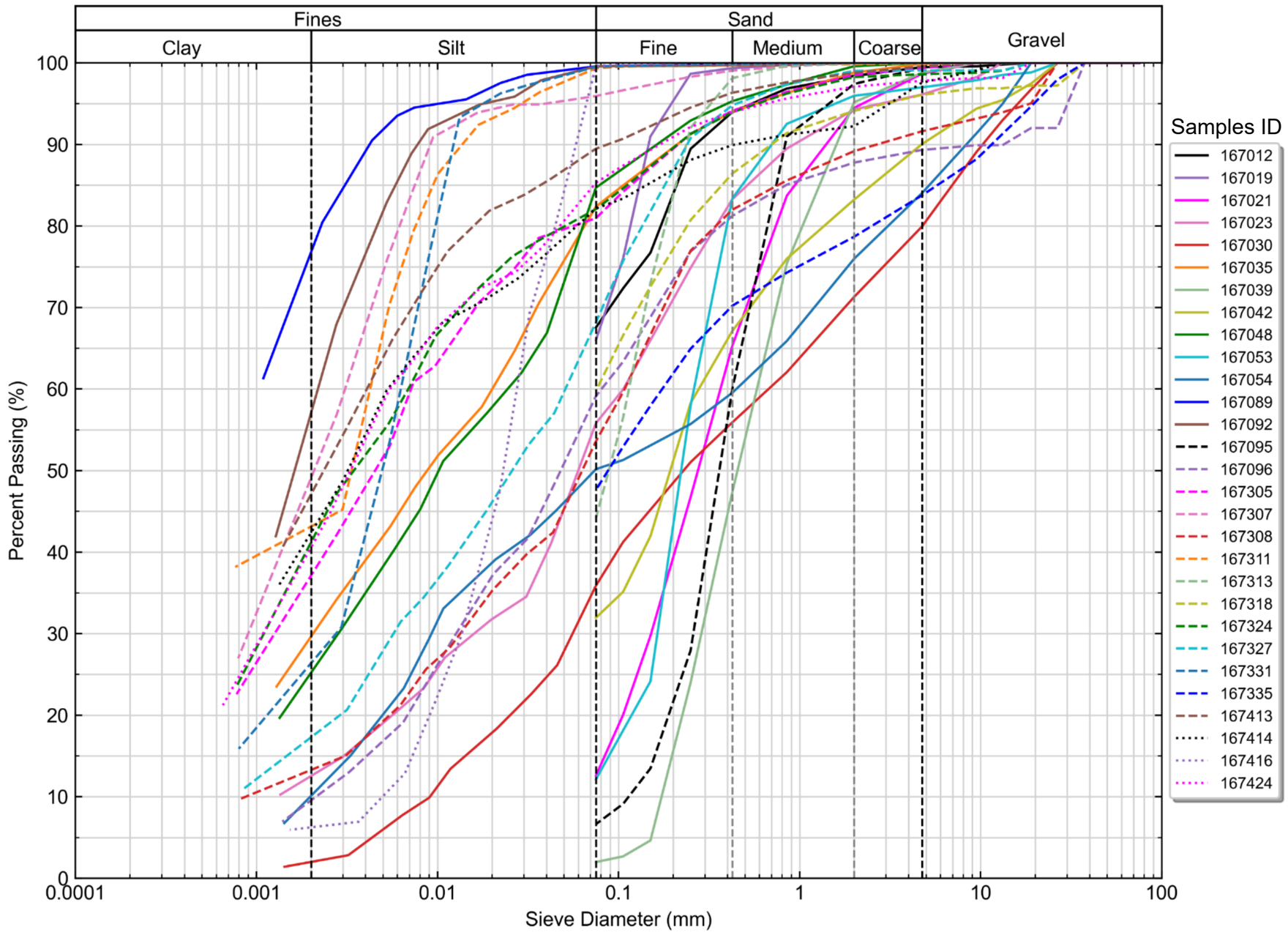
CANADA NICKEL COMPANY

Job No: CAPR000801

Crawford Overburden Geotechnical Investigation Factual Report

Tailings Facility Storage (TSF) boreholes – Part 1 particle size distribution curves

Date:	Approved:	Figure No.:
January 2023	ARB	16



srk consulting

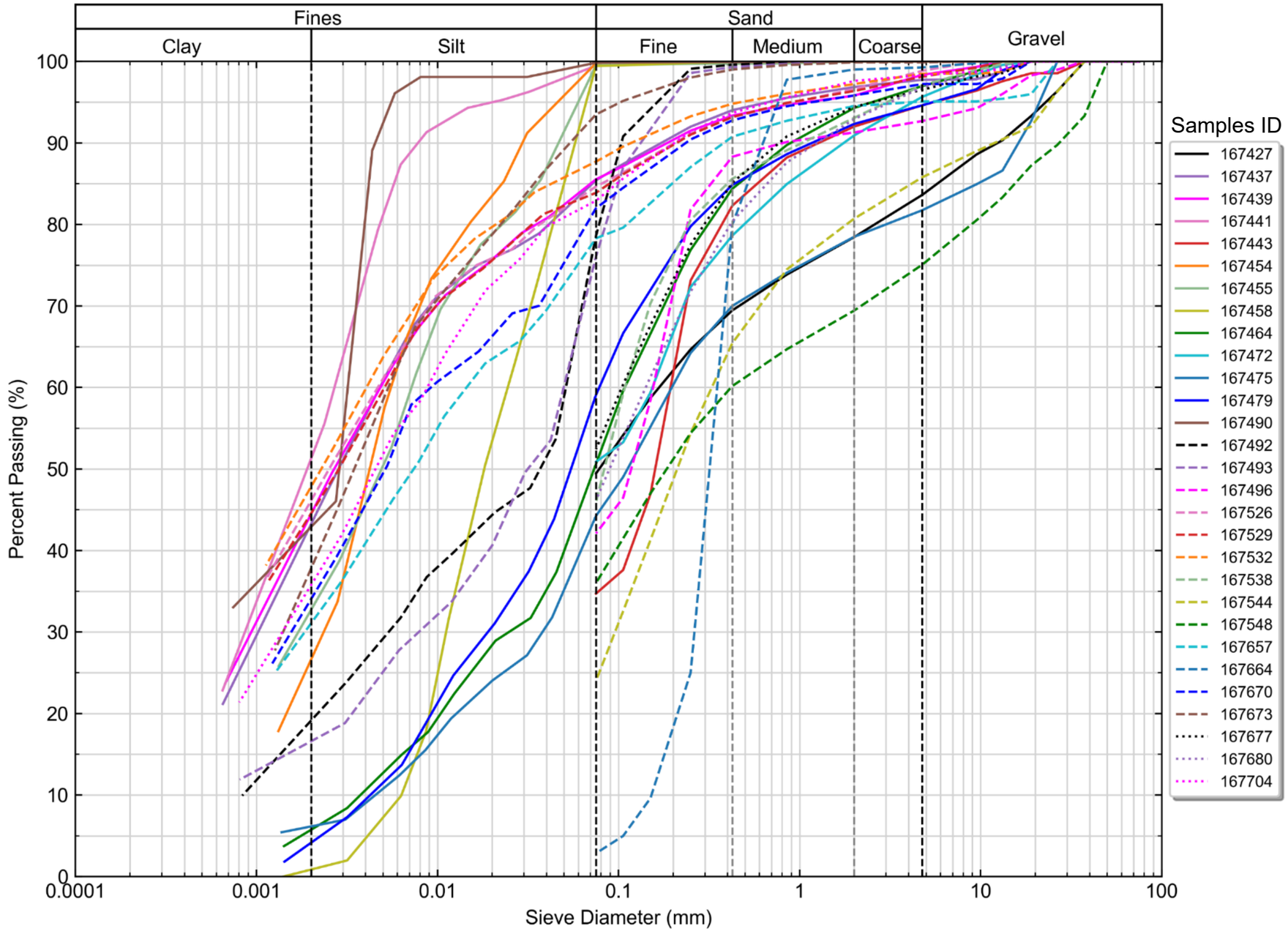
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

Tailings Facility Storage (TSF) boreholes – Part 2 particle size distribution curves

Job No: *CAPR000801*

Date:	*Approved:*	*Figure No.:*
January 2023	ARB	17



srk consulting

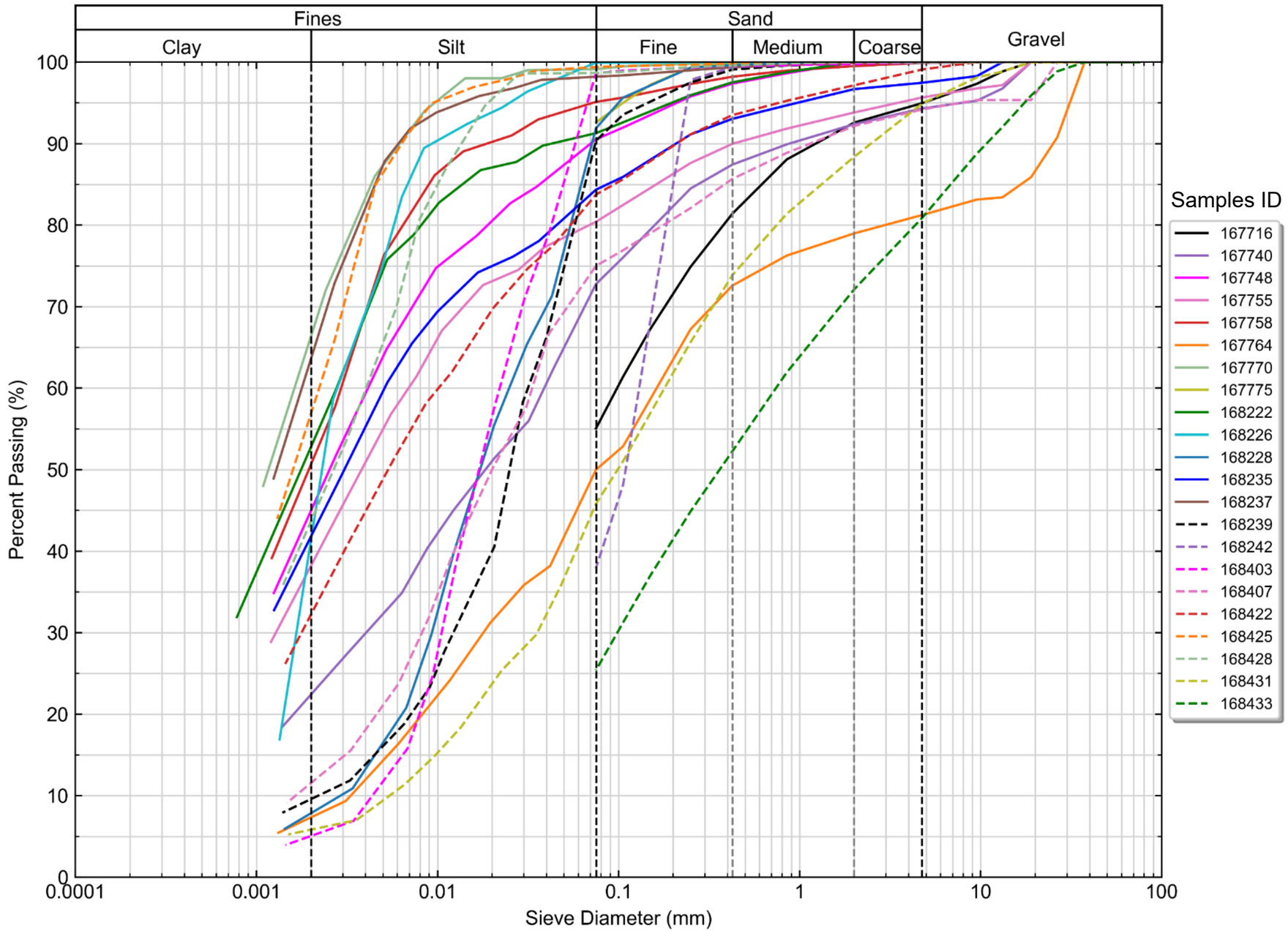
CANADA NICKEL COMPANY

Job No: CAPR000801

Crawford Overburden Geotechnical Investigation Factual Report

Tailings Facility Storage (TSF) boreholes – Part 3 particle size distribution curves

Date:	Approved:	Figure No.:
January 2023	ARB	18



srk consulting

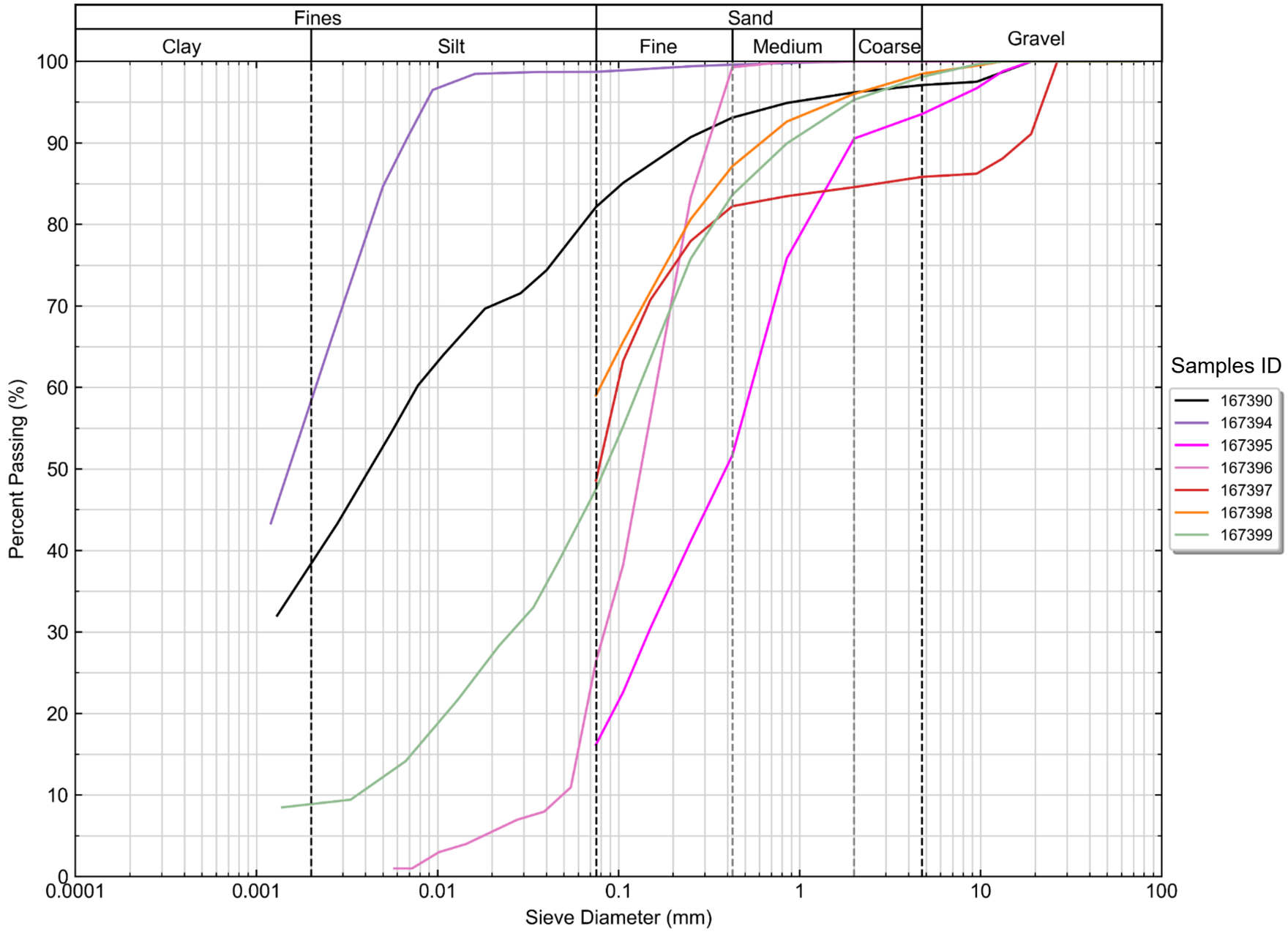
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

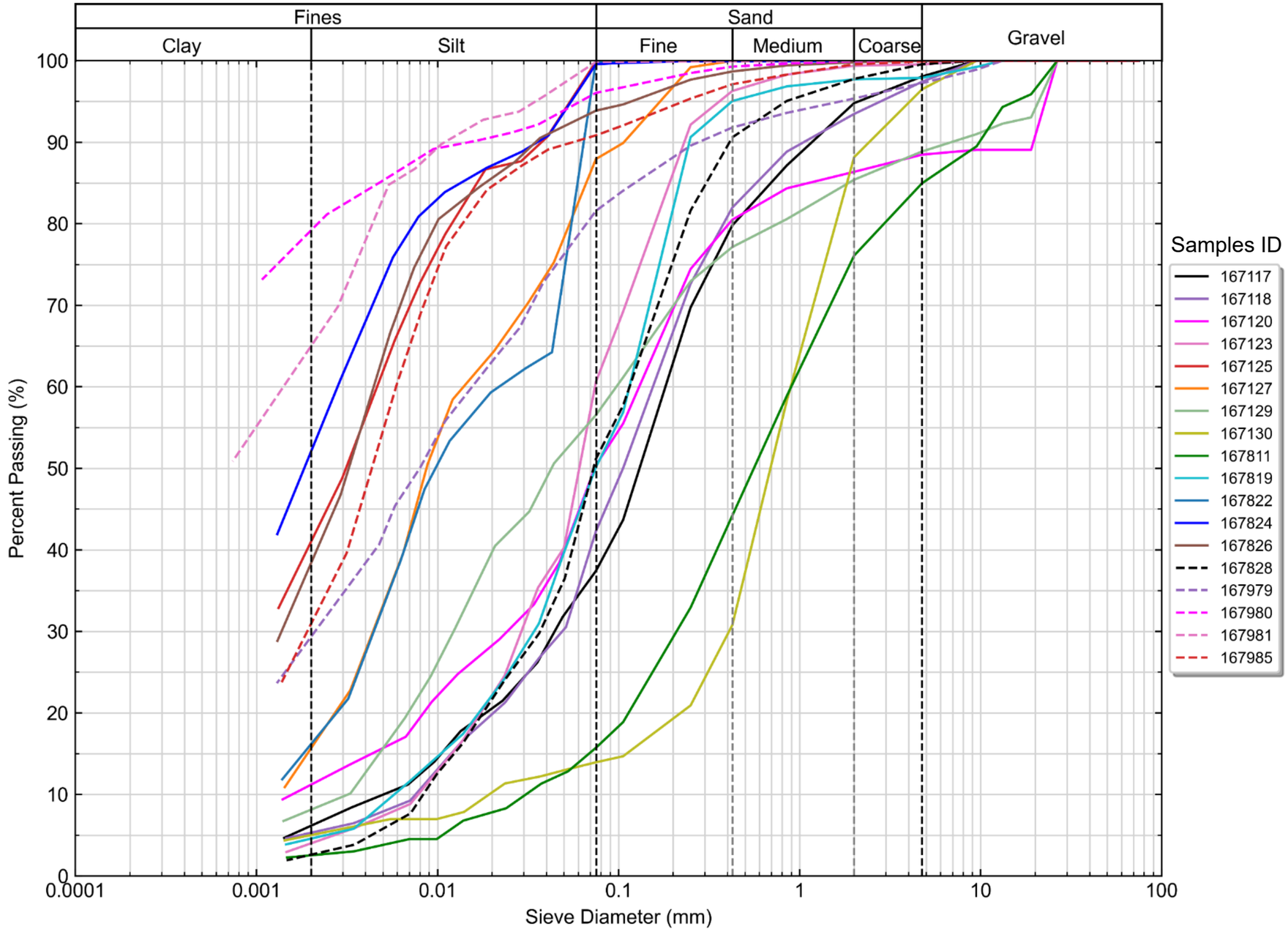
Tailings Facility Storage (TSF) boreholes – Part 4 particle size distribution curves

Job No: CAPR000801

Date:	*Approved:*	*Figure No.:*
January 2023	ARB	19



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
		West Overburden Stockpile (WOS) boreholes particle size distribution curves
Job No: CAPR000801		*Date:* January 2023 / *Approved:* ARB / *Figure No.:* 20



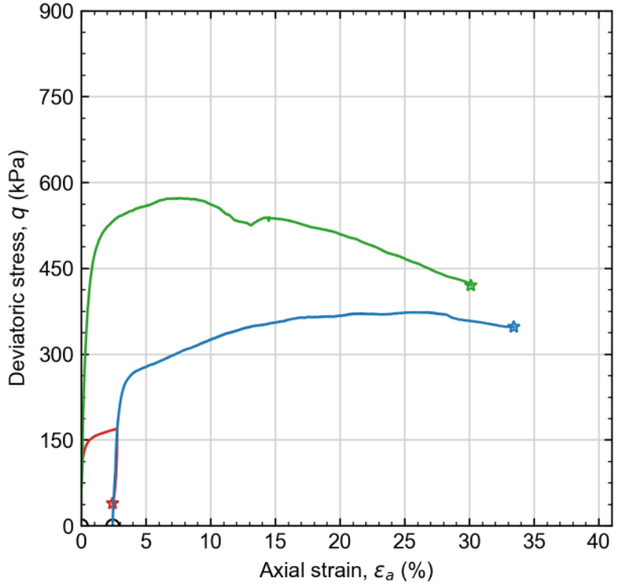
srk consulting

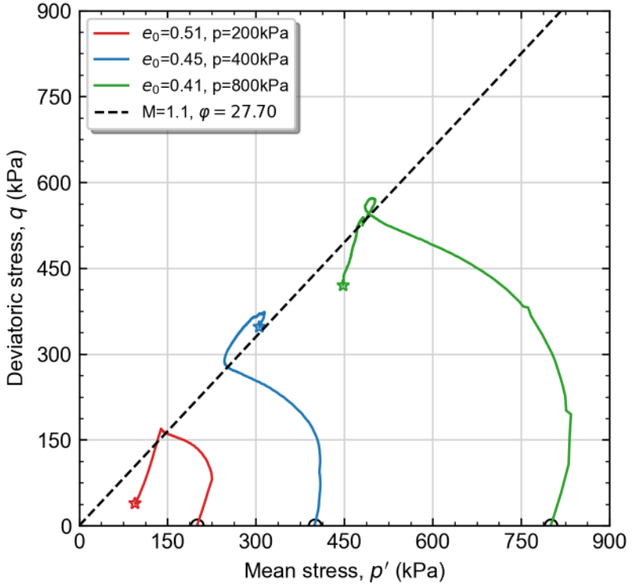
CANADA NICKEL COMPANY

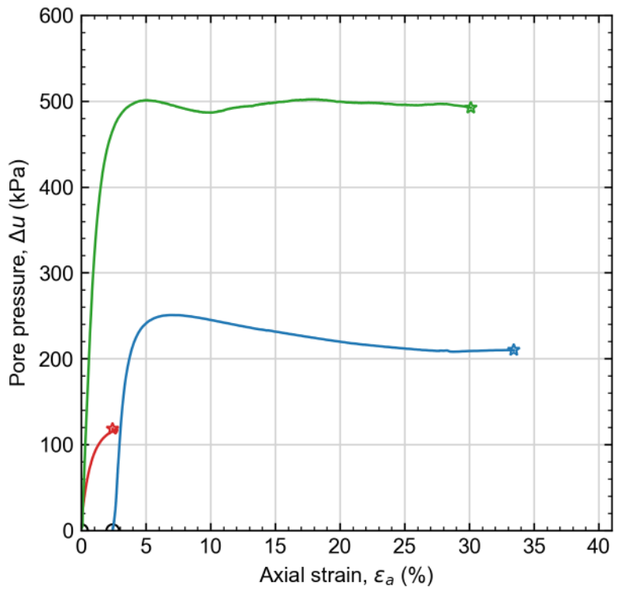
Crawford Overburden Geotechnical Investigation Factual Report

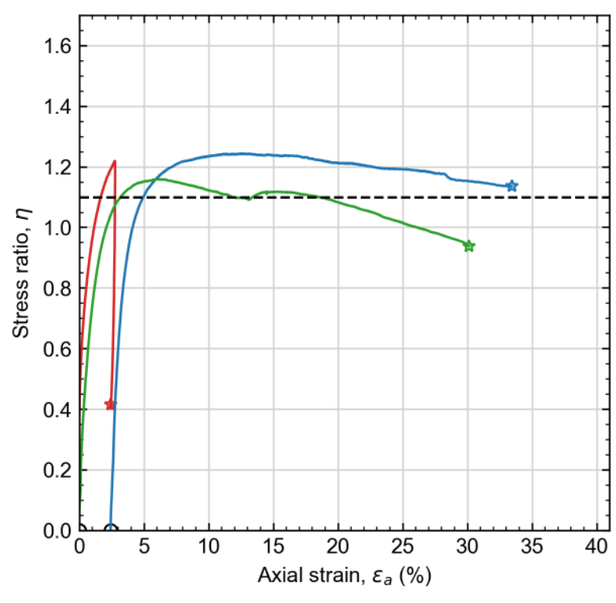
Waste Rock Dump (WRD) boreholes particle size distribution curves

Job No:	Date:	Approved:	Figure No.:
CAPR000801	January 2023	ARB	21

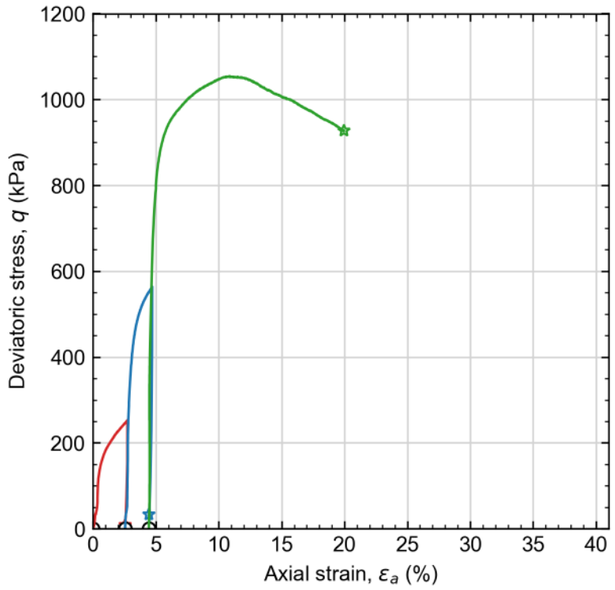


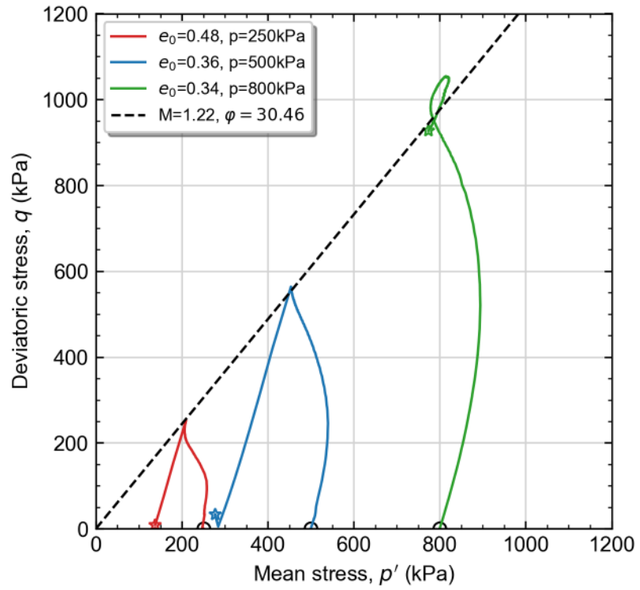


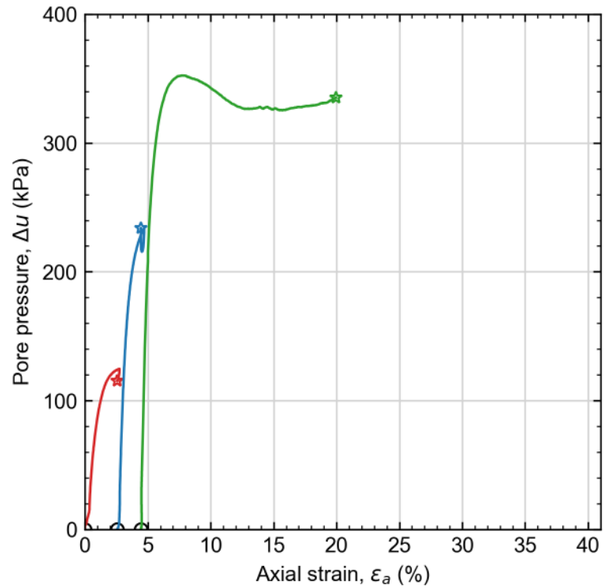


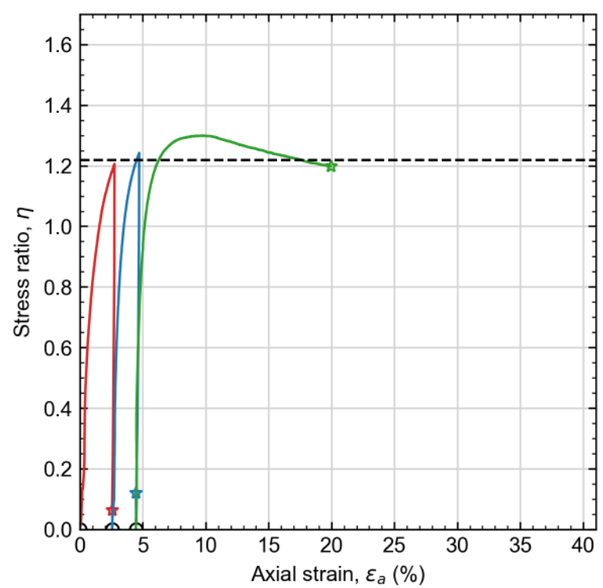


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 35165**
		Date: January 2023 / Approved: ARB / Figure No.: 22

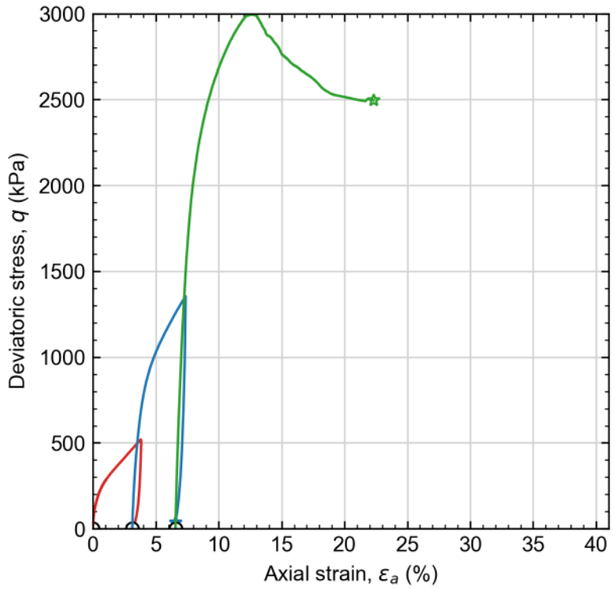


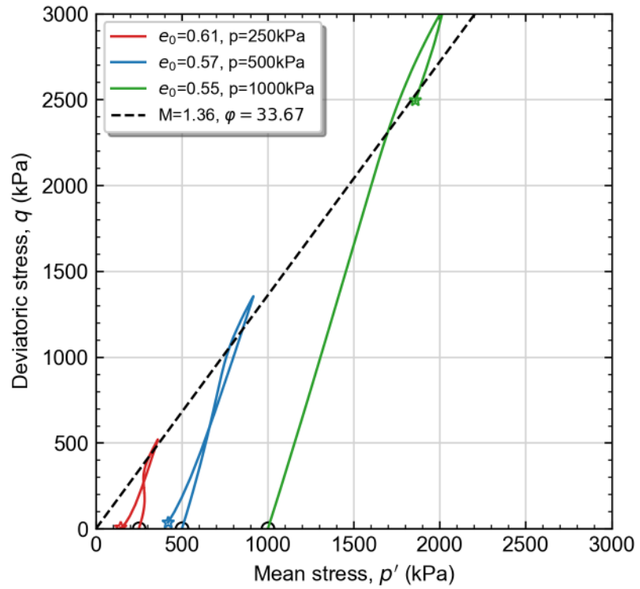


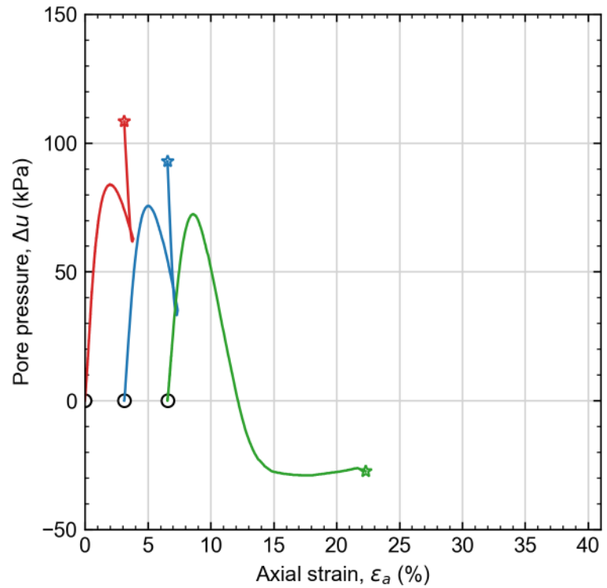


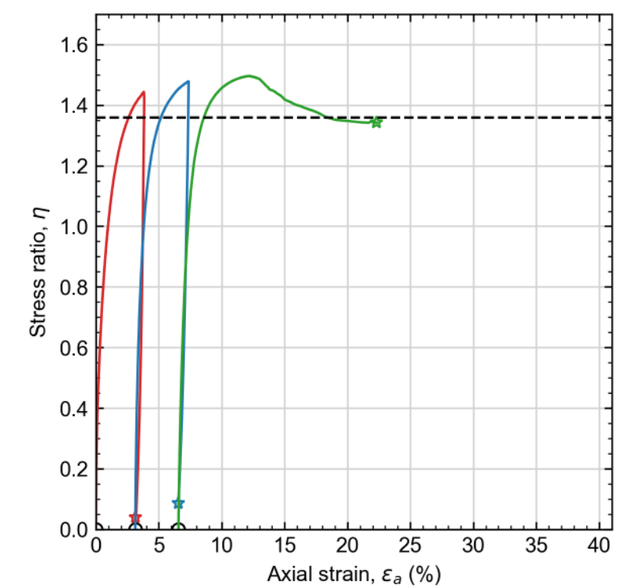


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 35203**
		Date: January 2023 / Approved: ARB / Figure No.: 23

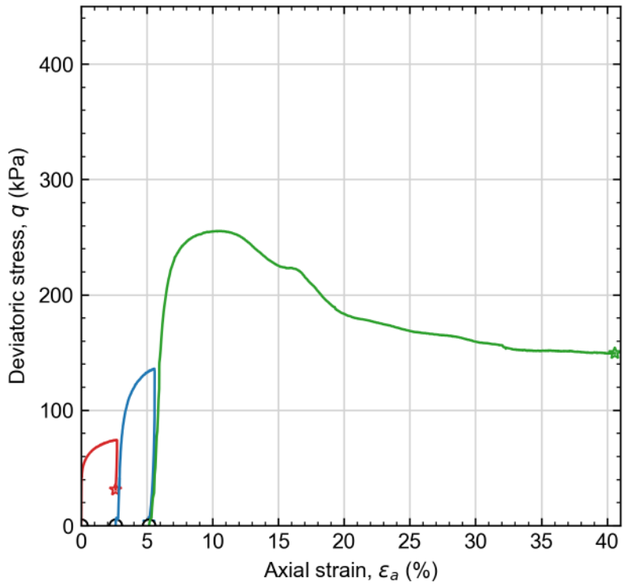


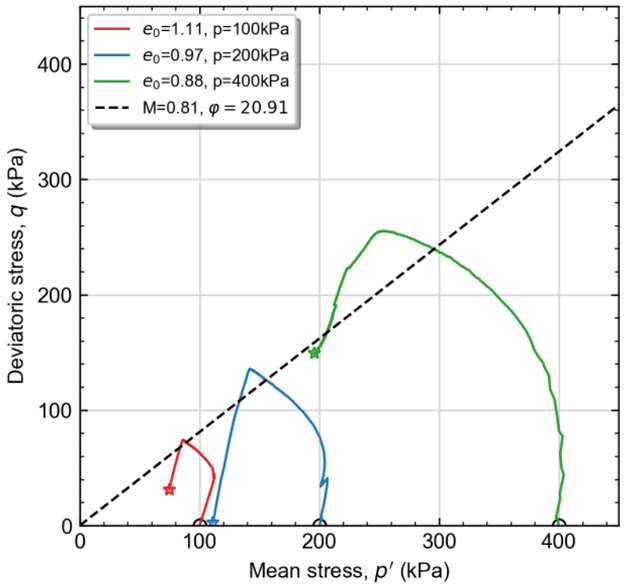


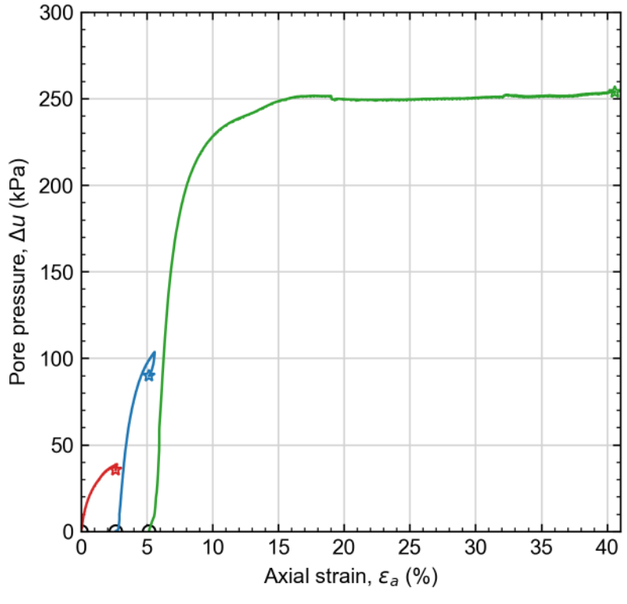


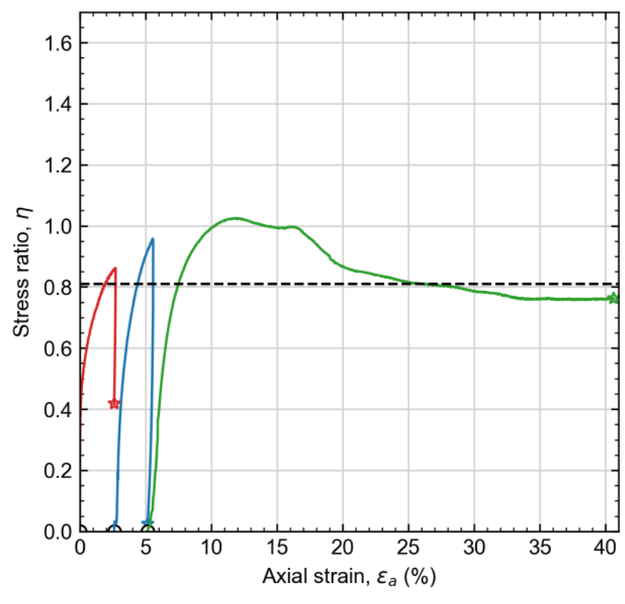


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 35220**
		Date: January 2023 / *Approved:* ARB / *Figure No.:* 24

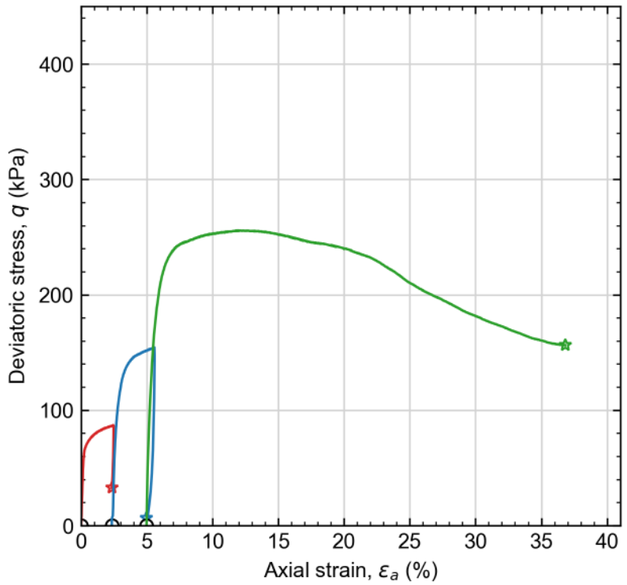


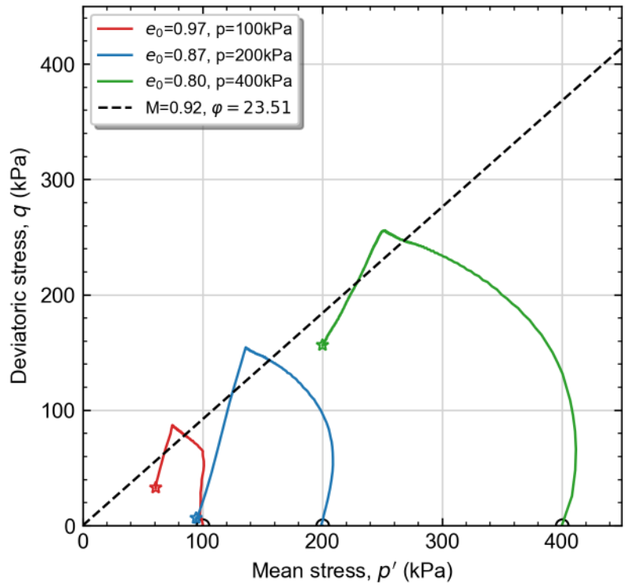


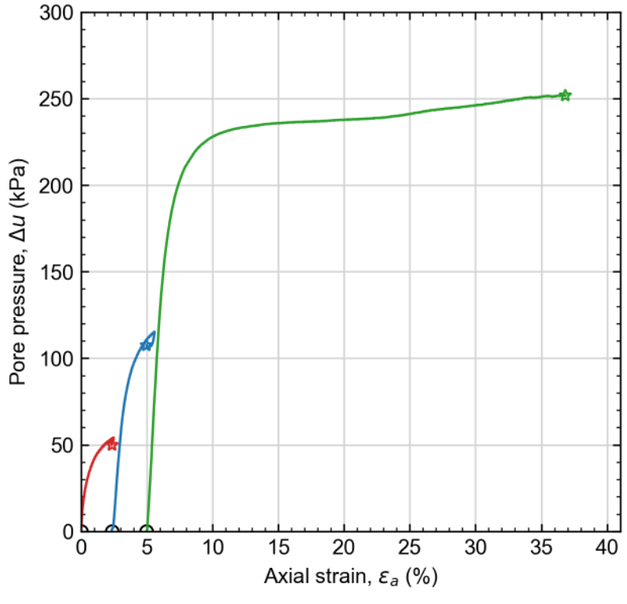


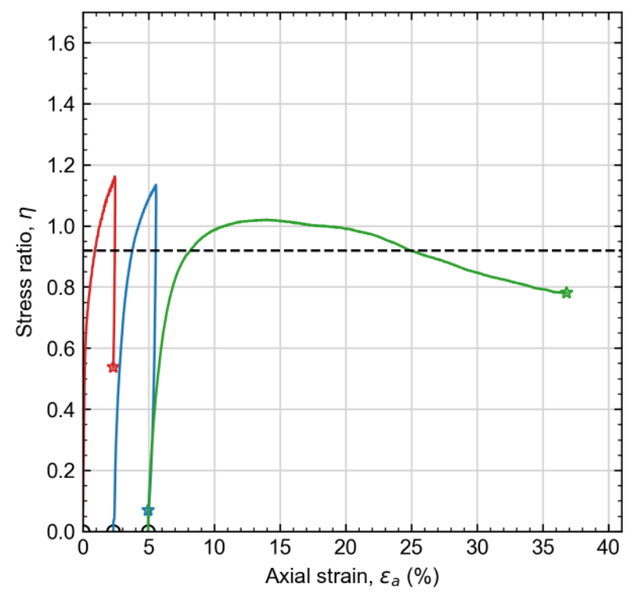


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 35240**
		Date: January 2023 / Approved: ARB / Figure No.: 25

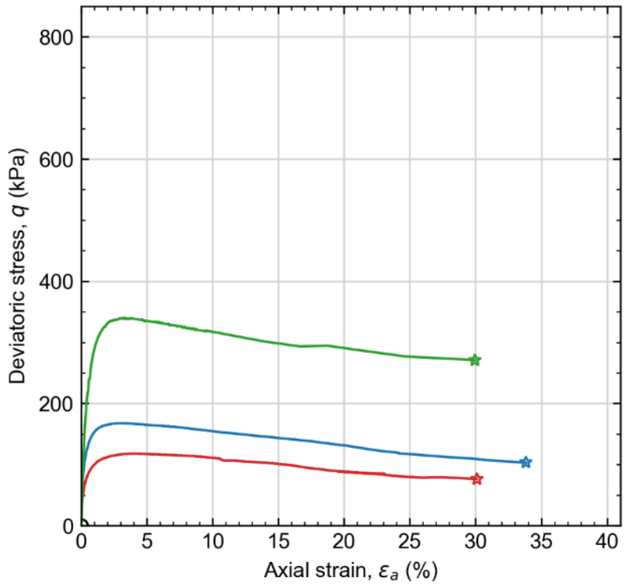


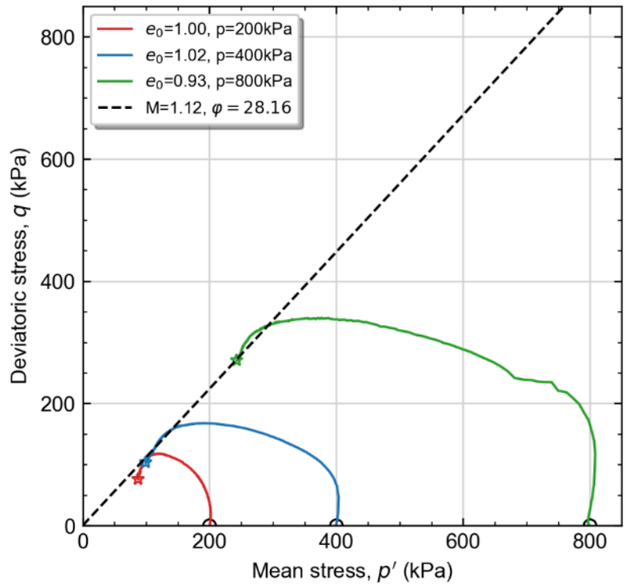


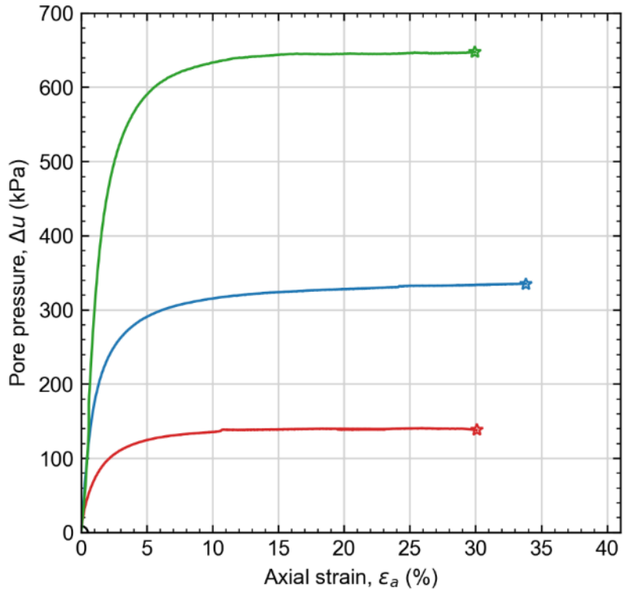


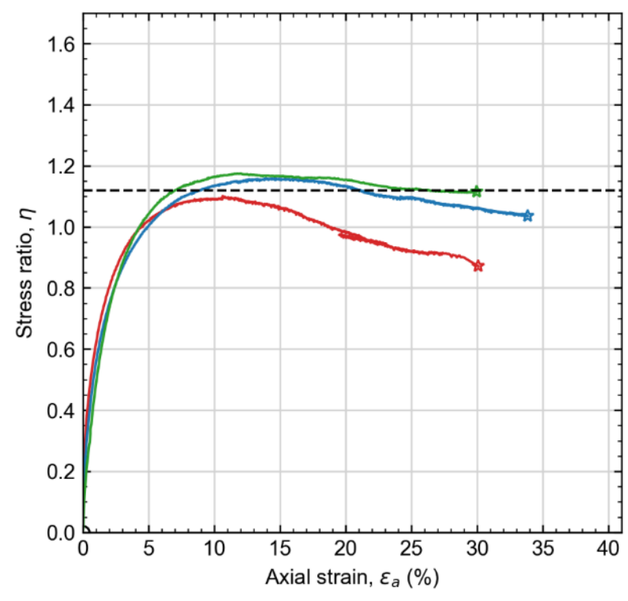


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 35243**
		Date: January 2023 / Approved: ARB / Figure No.: 26

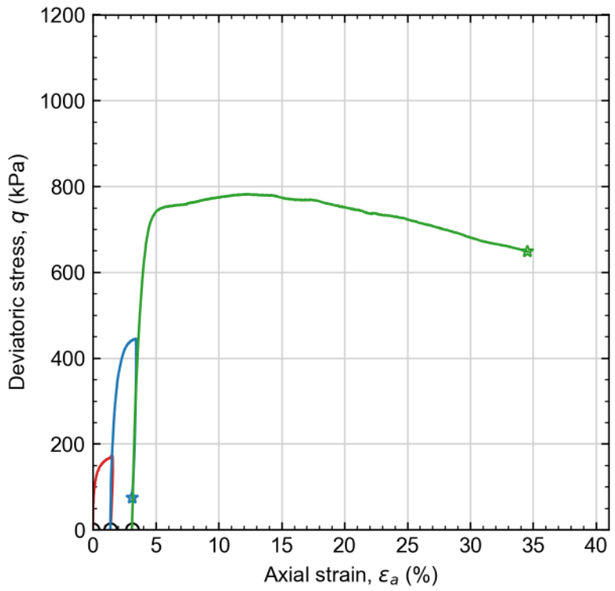


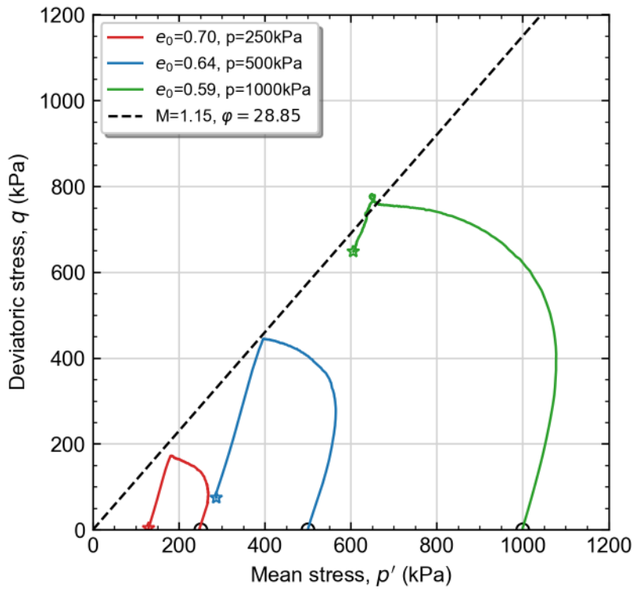


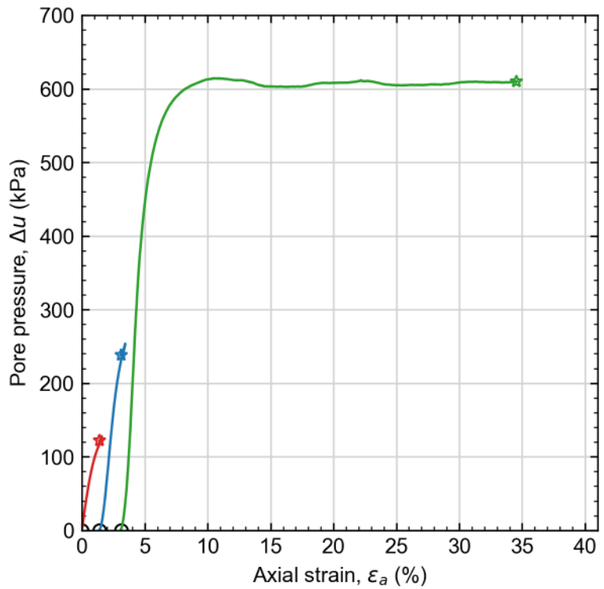


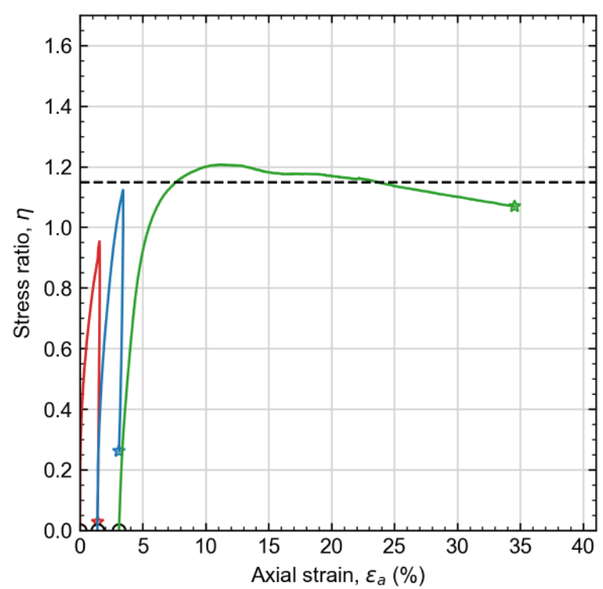


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 35252**
		Date: January 2023 / Approved: ARB / Figure No.: 27









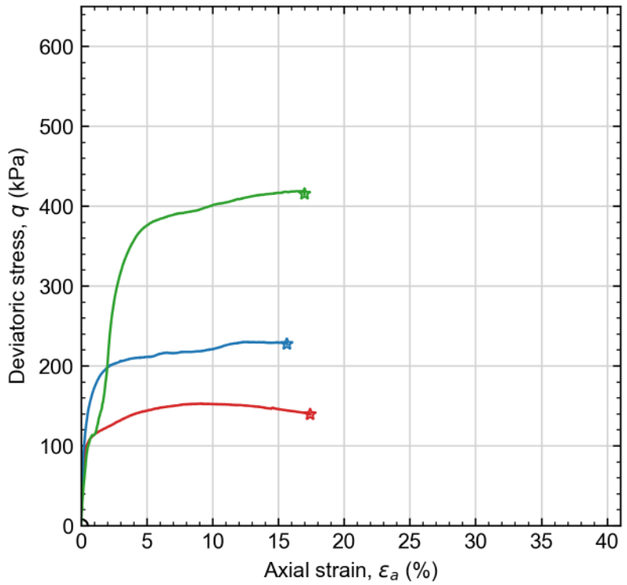
srk consulting

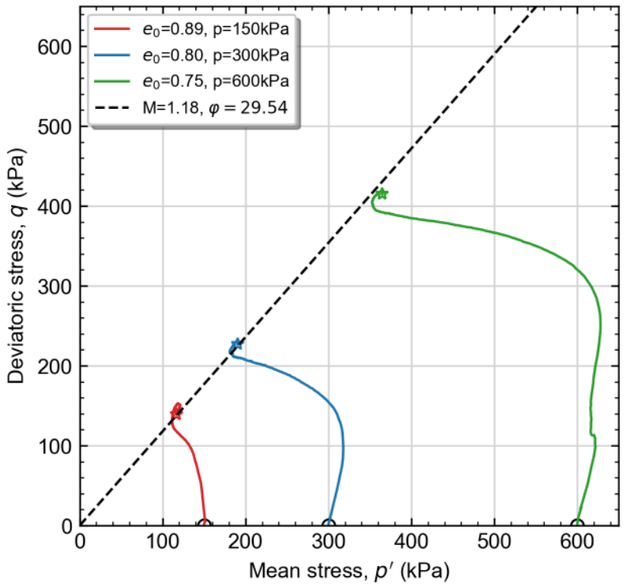
CANADA NICKEL COMPANY

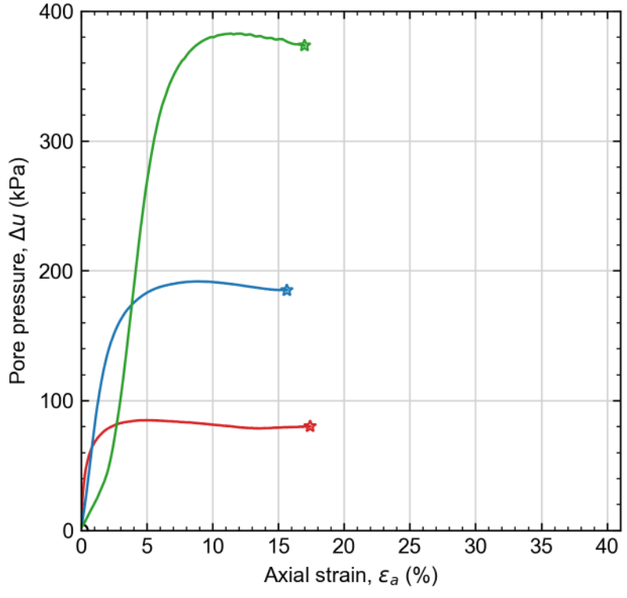
Crawford Overburden Geotechnical Investigation Factual Report

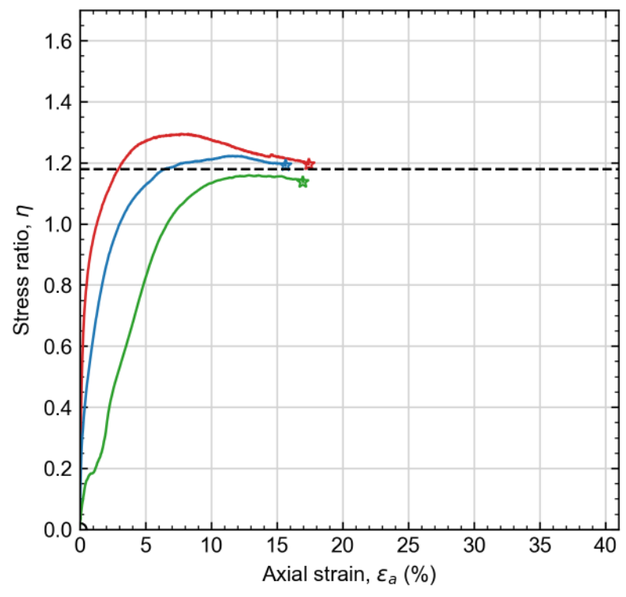
CU triaxial test results summary
Sample - 35255

Job No:	Date:	Approved:	Figure No.:
CAPR000801	January 2023	ARB	28

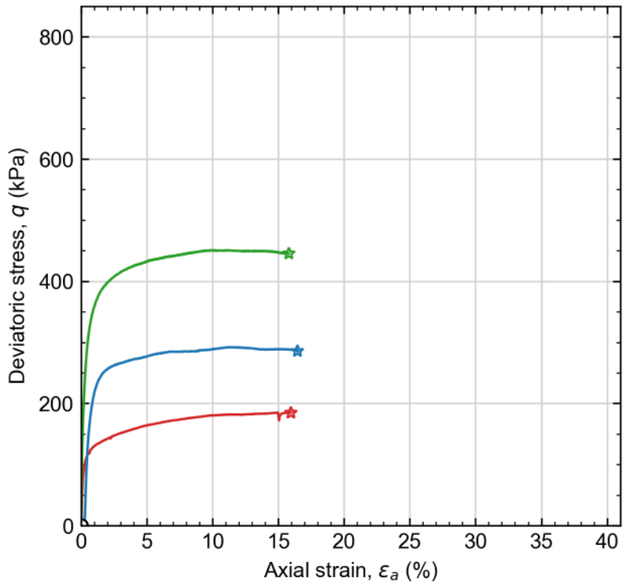


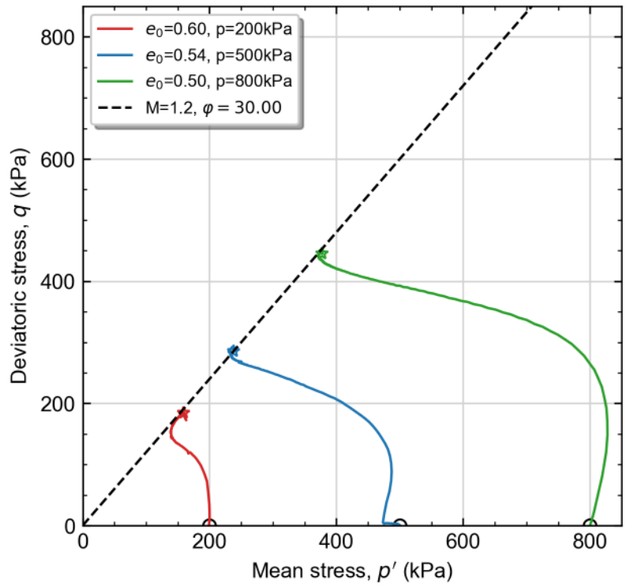


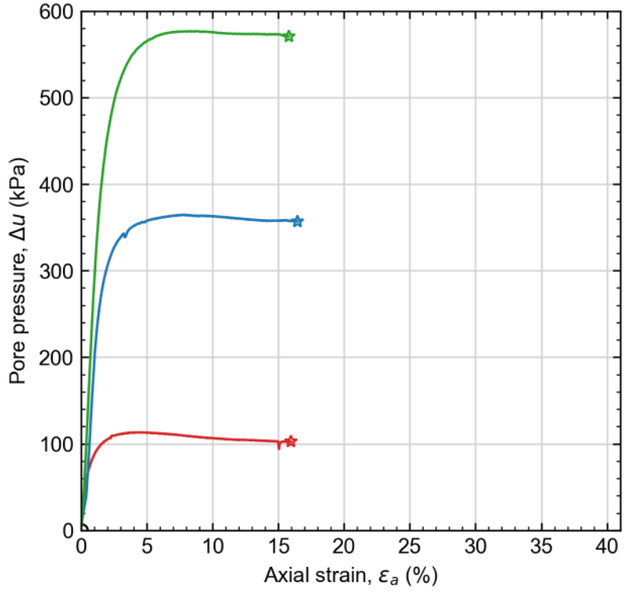


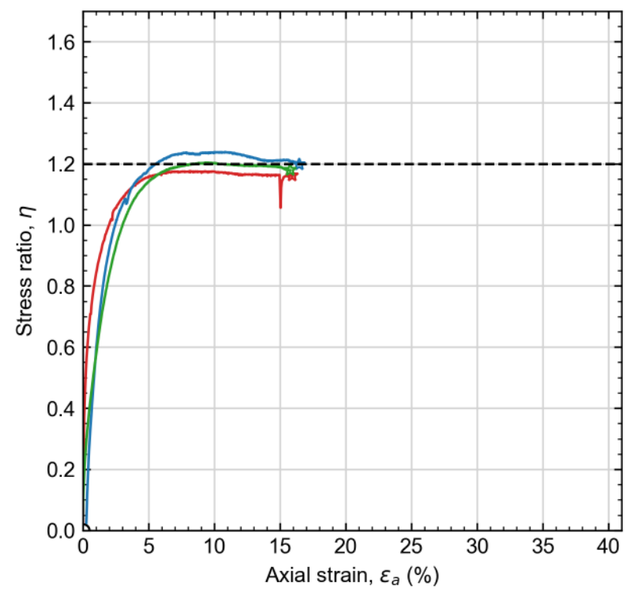


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 36204**
		Date: January 2023 / Approved: ARB / Figure No.: 29

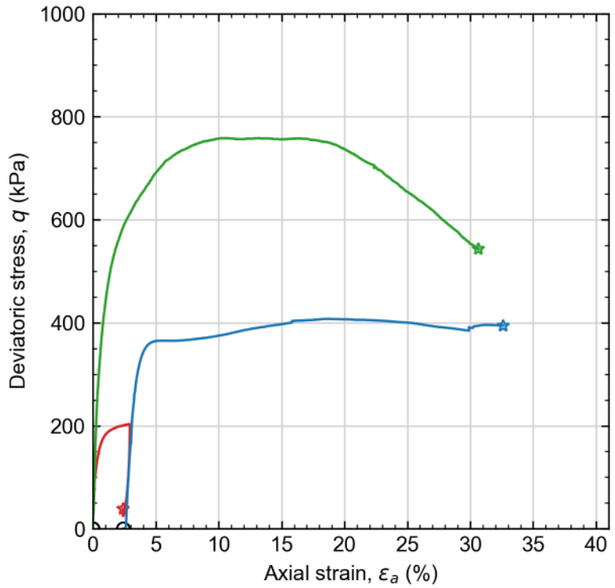


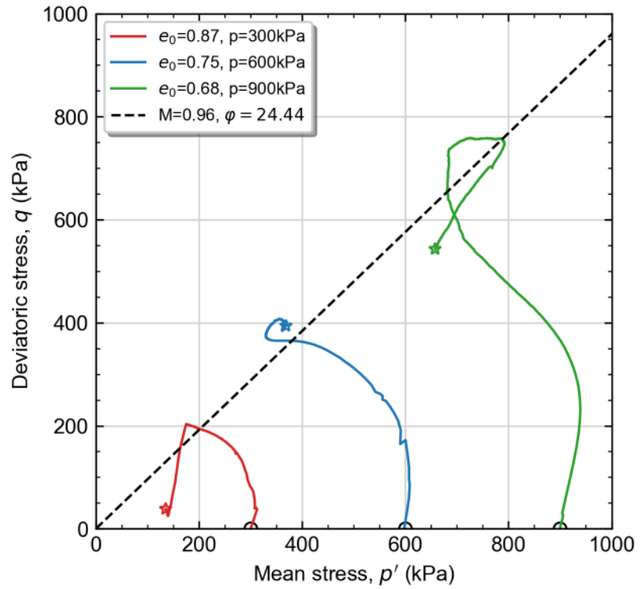


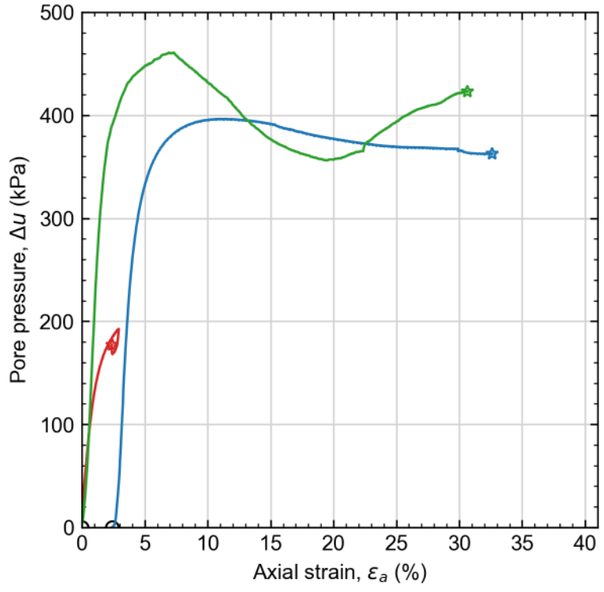


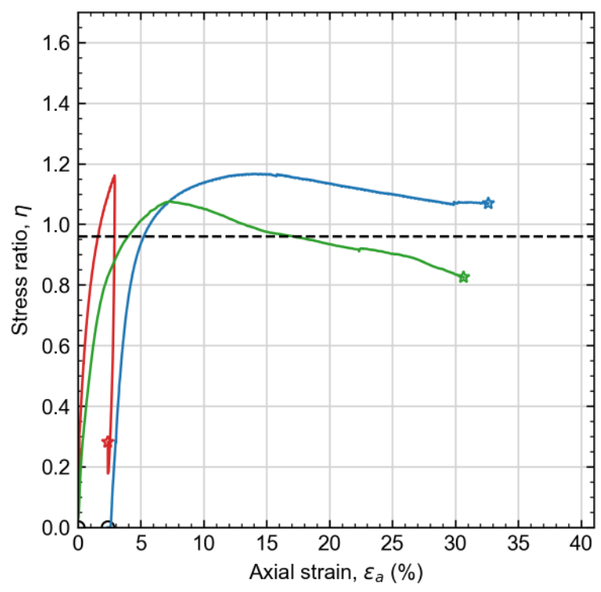


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 58263**
		Date: January 2023 / Approved: ARB / Figure No.: 30

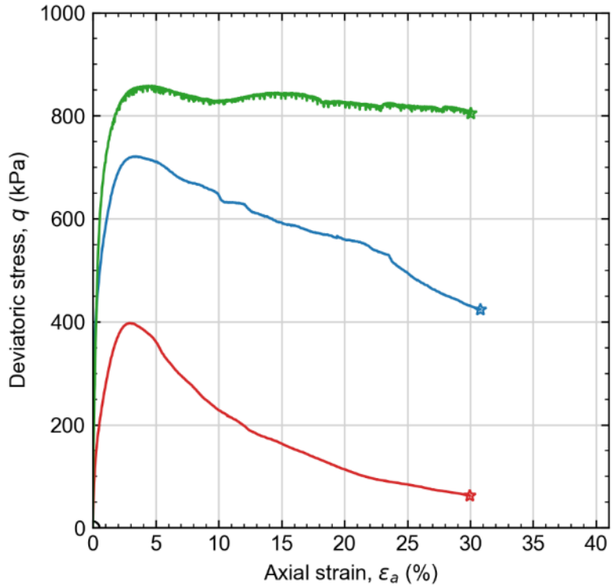


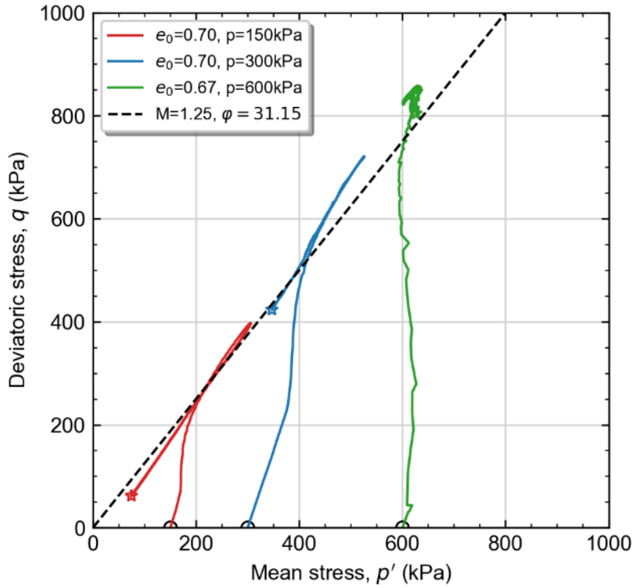


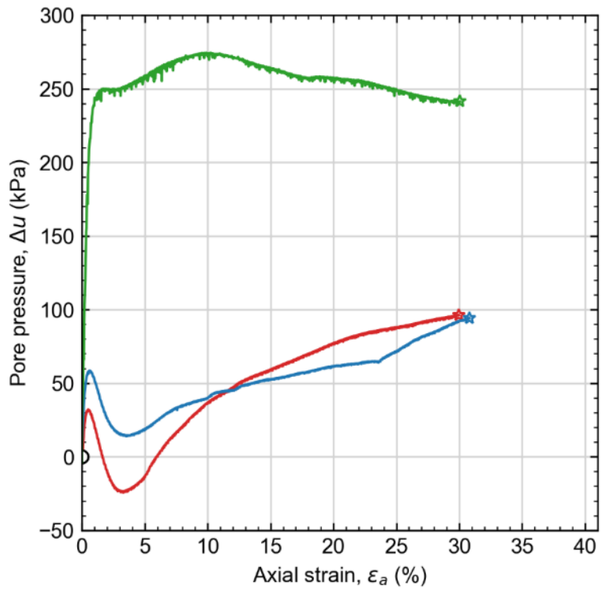


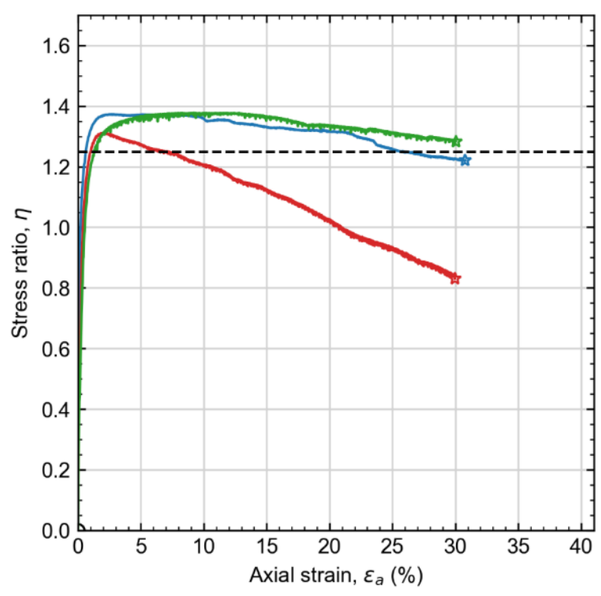


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 58380**
	Date: January 2023	Approved: ARB / Figure No.: 31

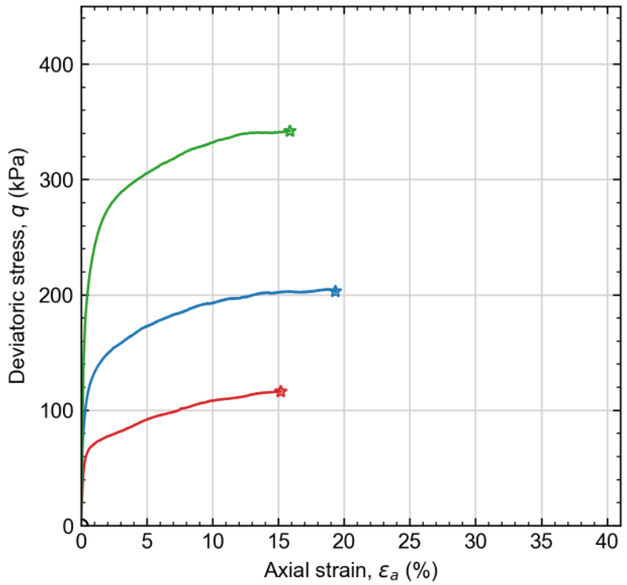


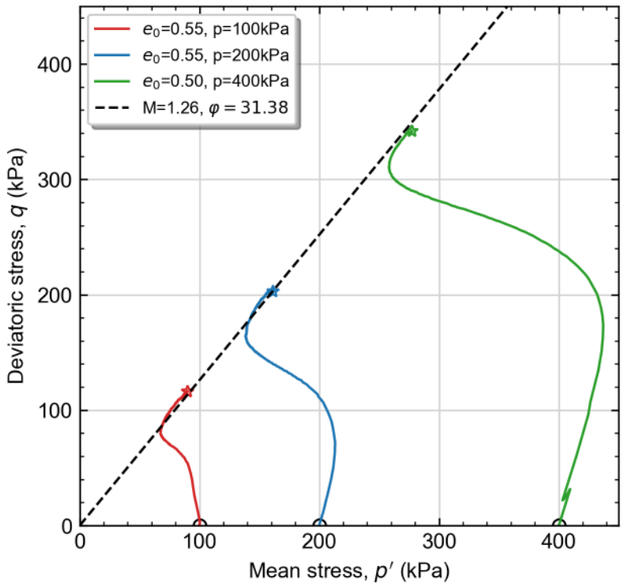


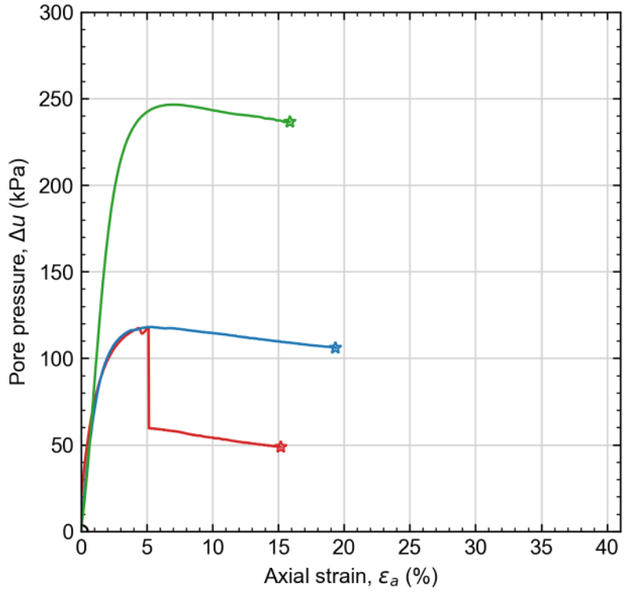


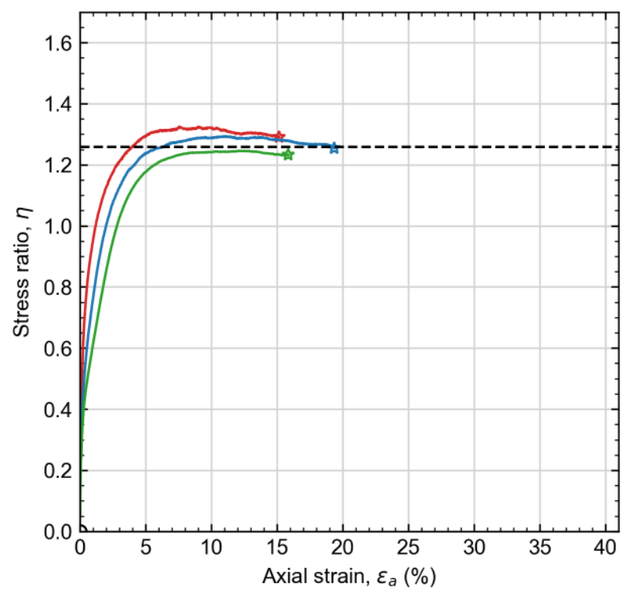


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 58382**
		Date: January 2023 / Approved: ARB / Figure No.: 32

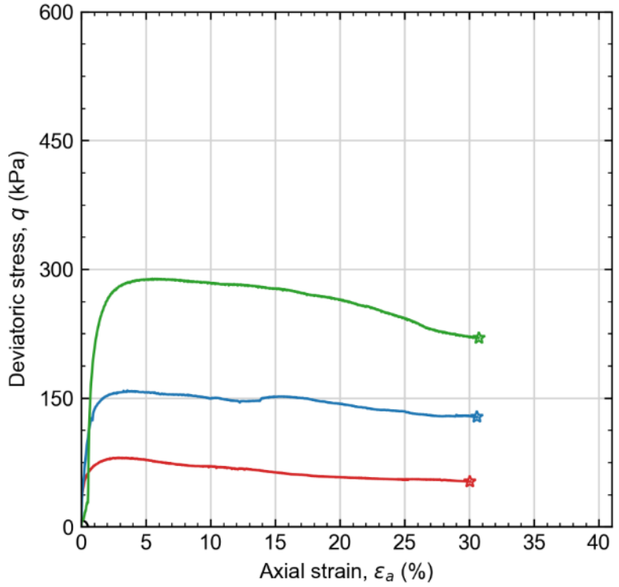


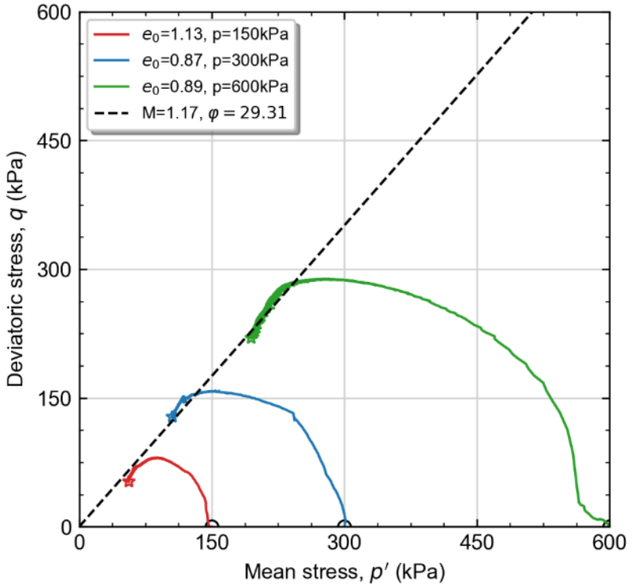


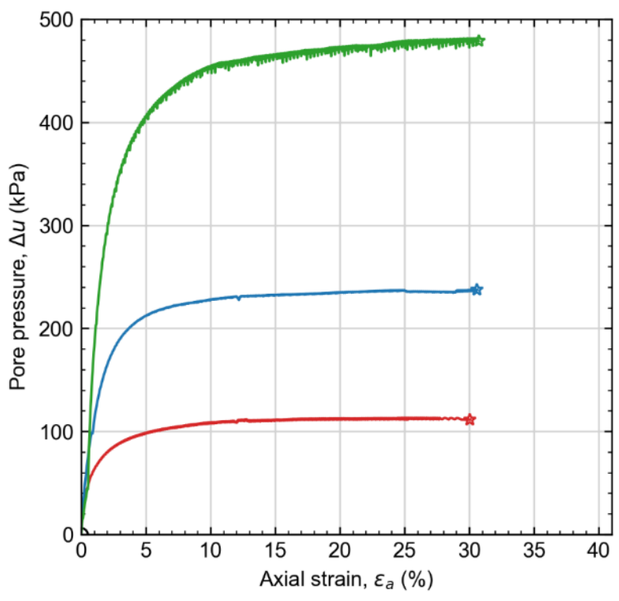


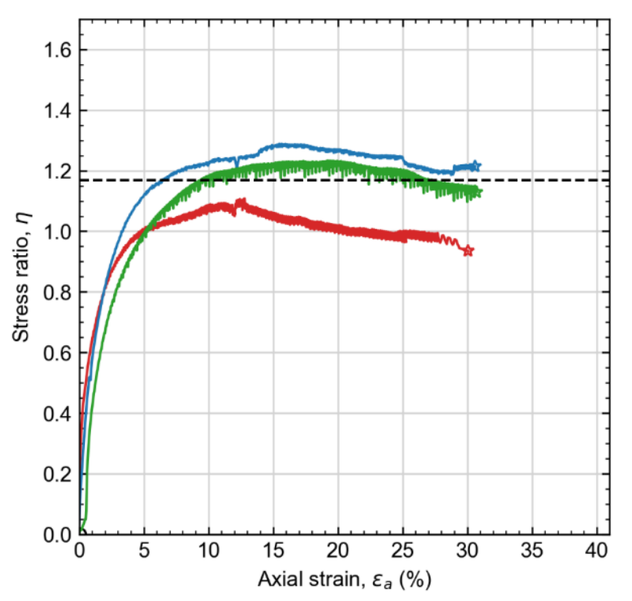


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 58459**
		Date: January 2023 / Approved: ARB / Figure No.: 33

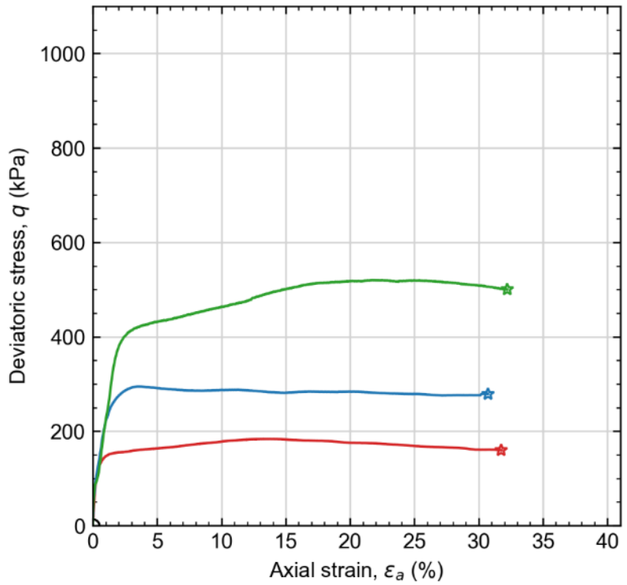


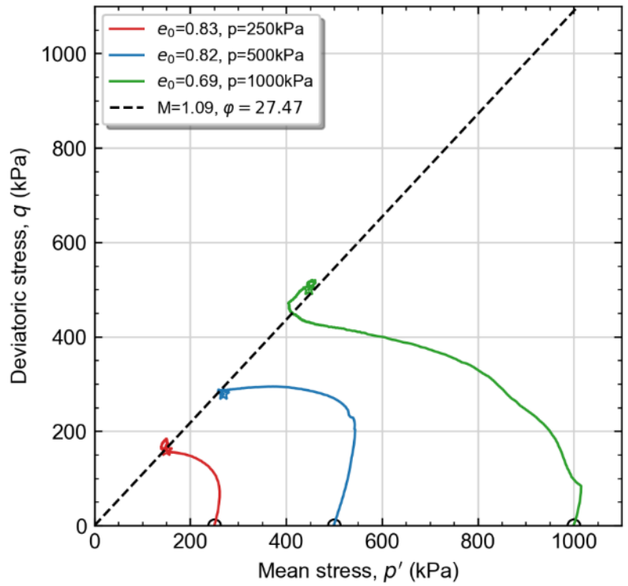


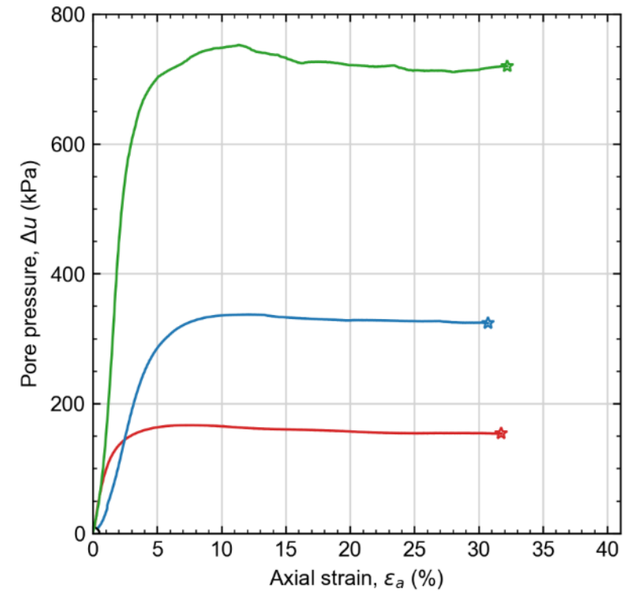


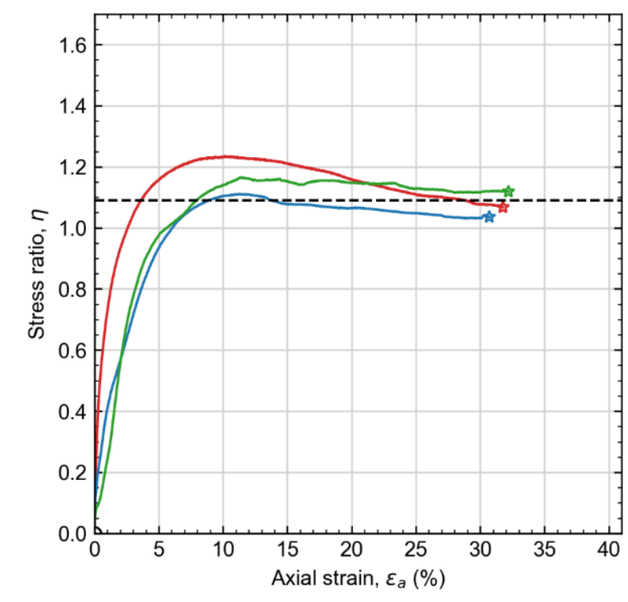


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167274**
	Date: January 2023	Approved: ARB / Figure No.: 34

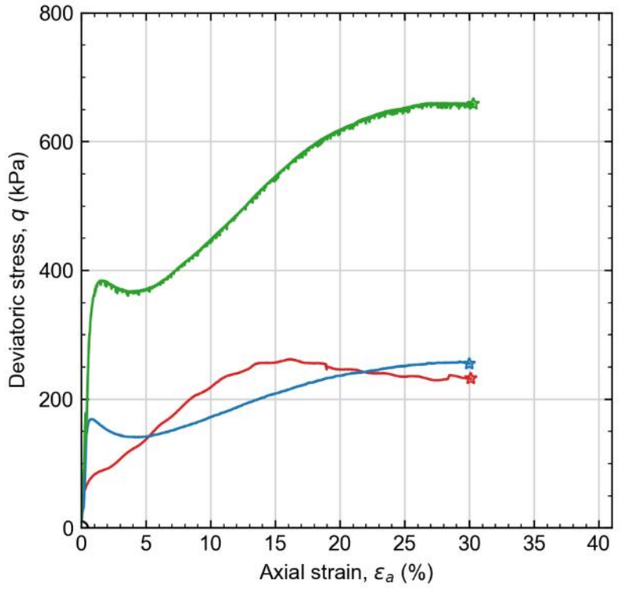


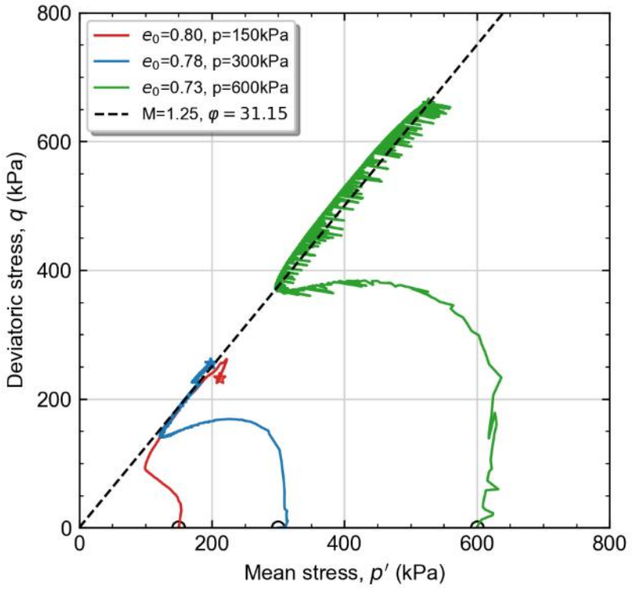


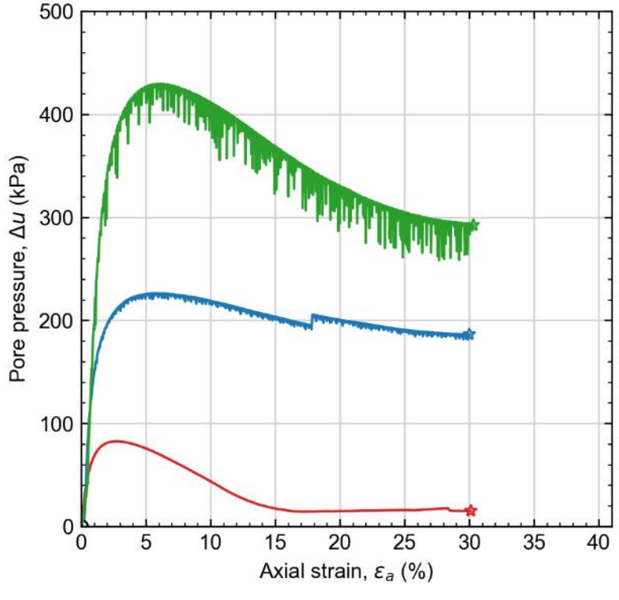


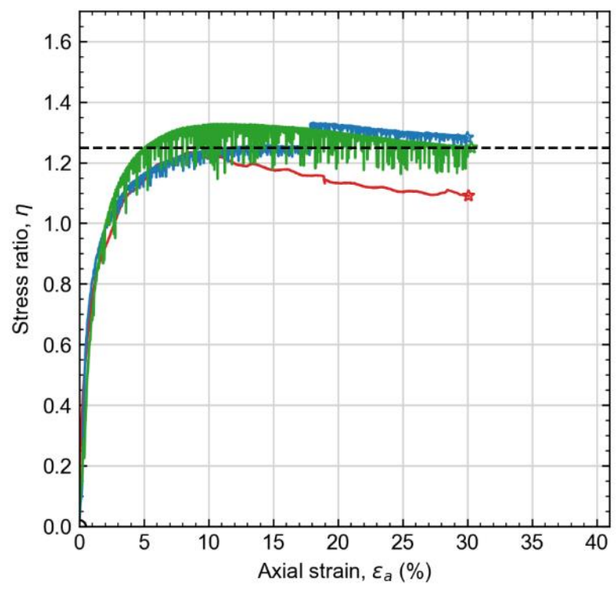


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167294**
	Date: January 2023	Approved: ARB / Figure No.: 35

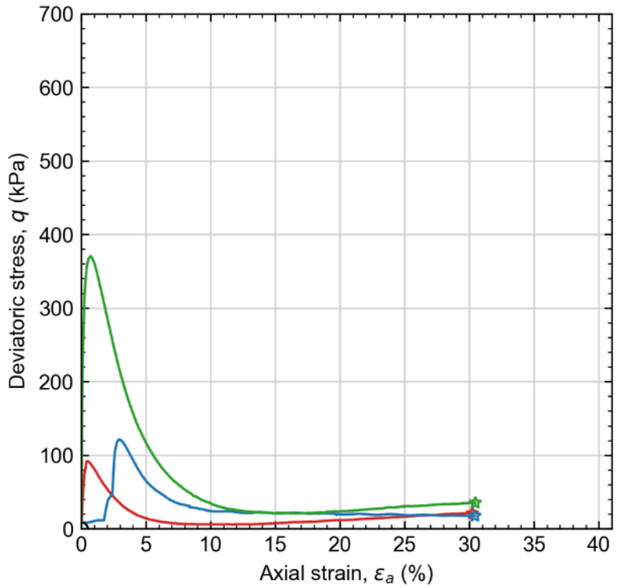


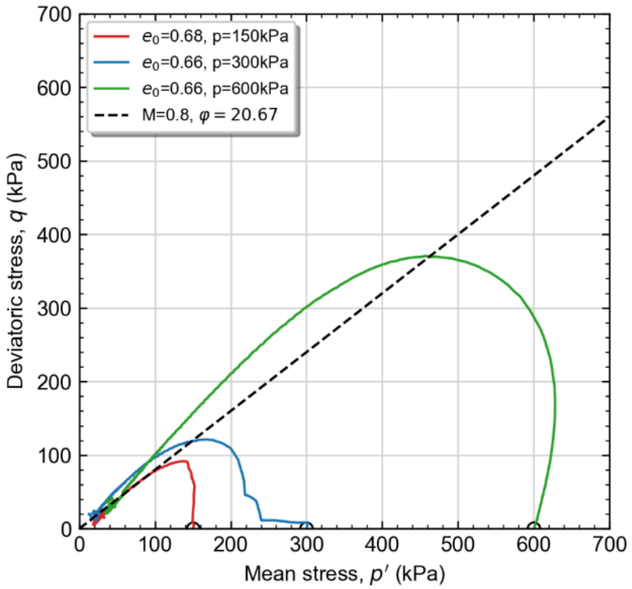


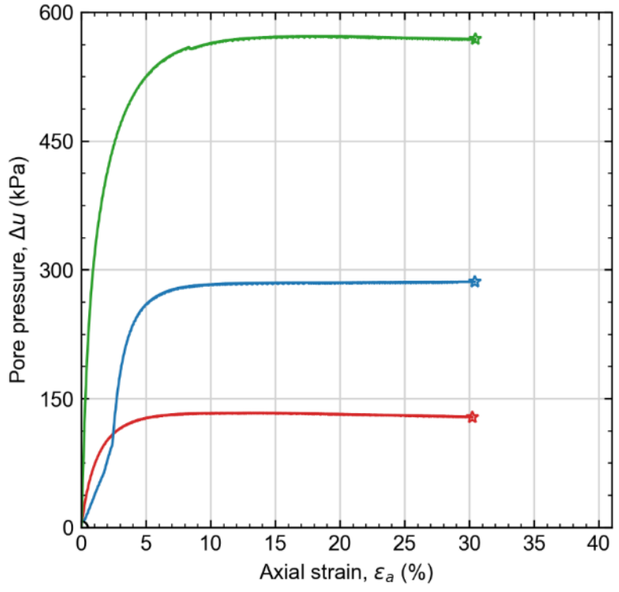


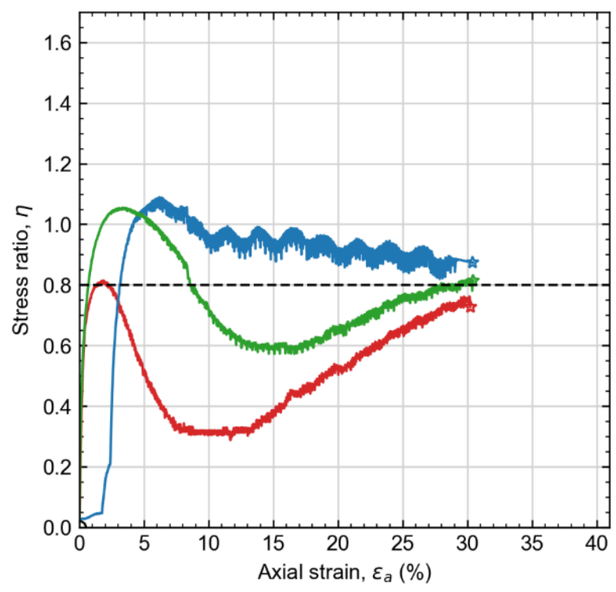


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167296**
		Date: January 2023 / Approved: ARB / Figure No.: 36

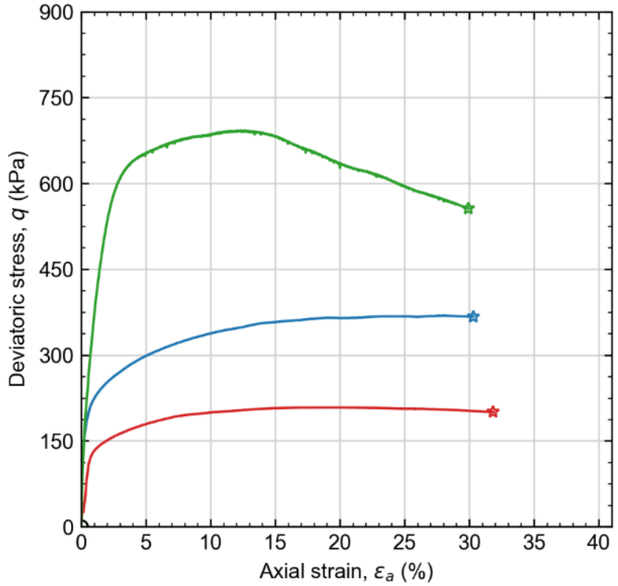


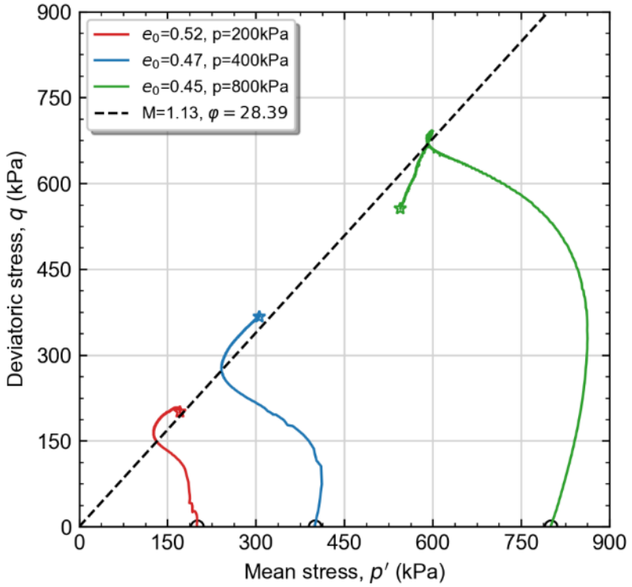


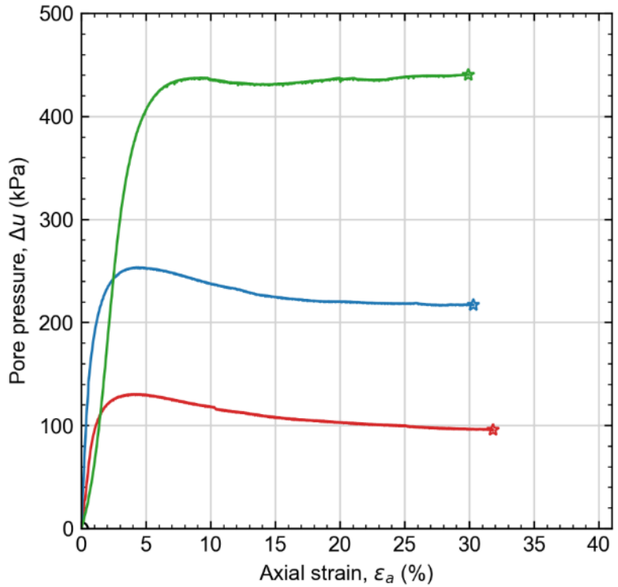


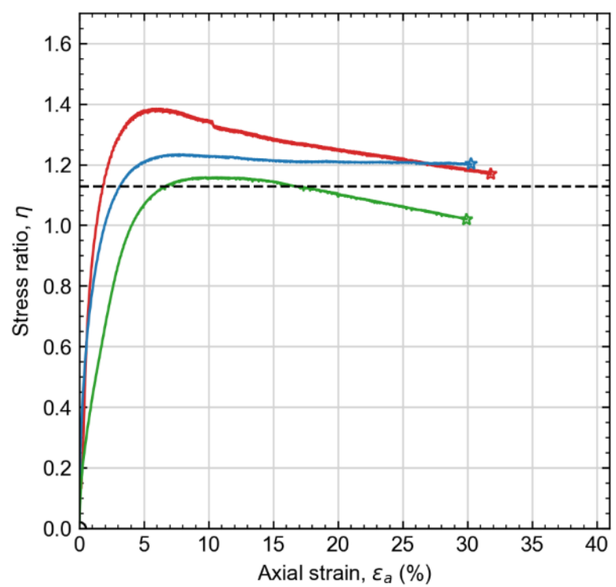


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167298**
	Date: January 2023	Approved: ARB / Figure No.: 37

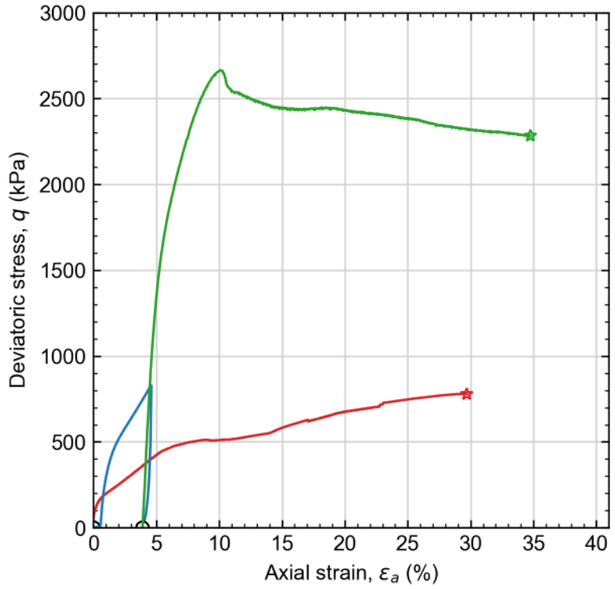


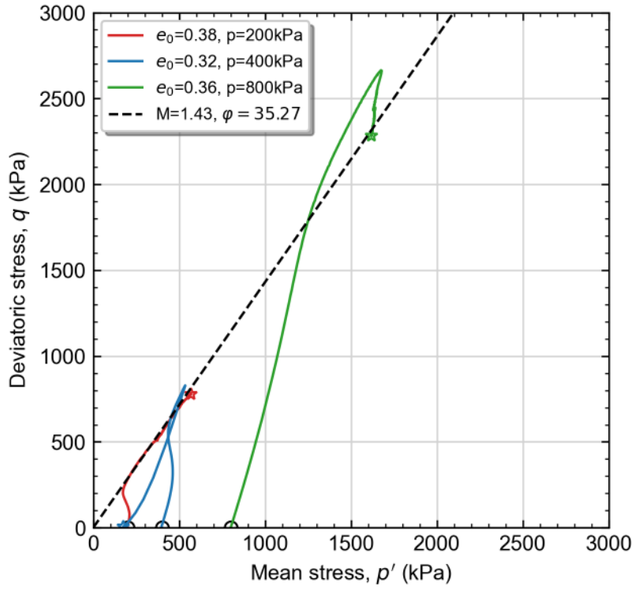


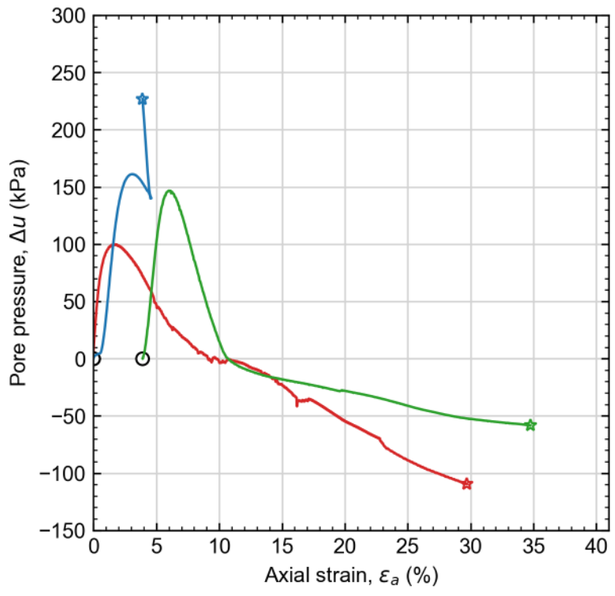


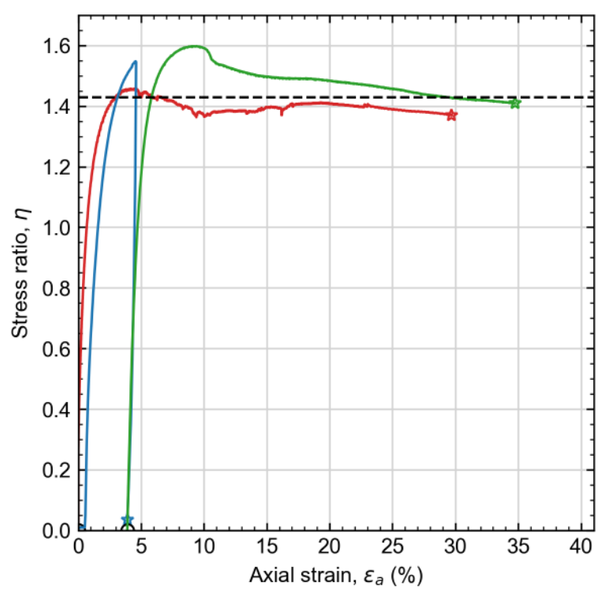


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167383**
		Date: January 2023 / Approved: ARB / Figure No.: 38

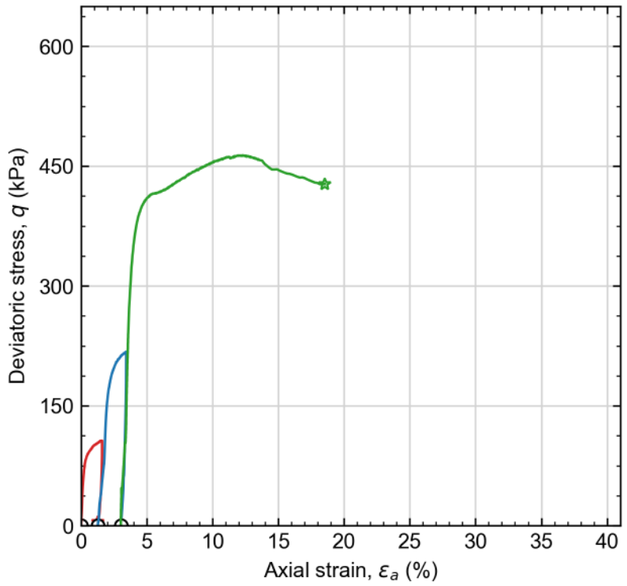


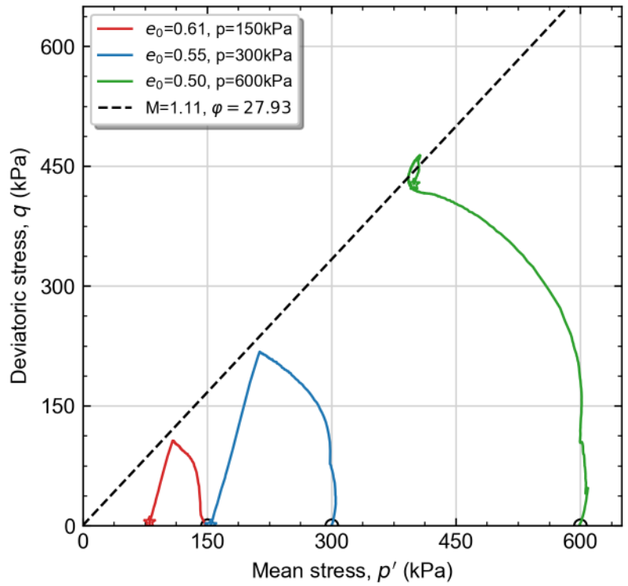


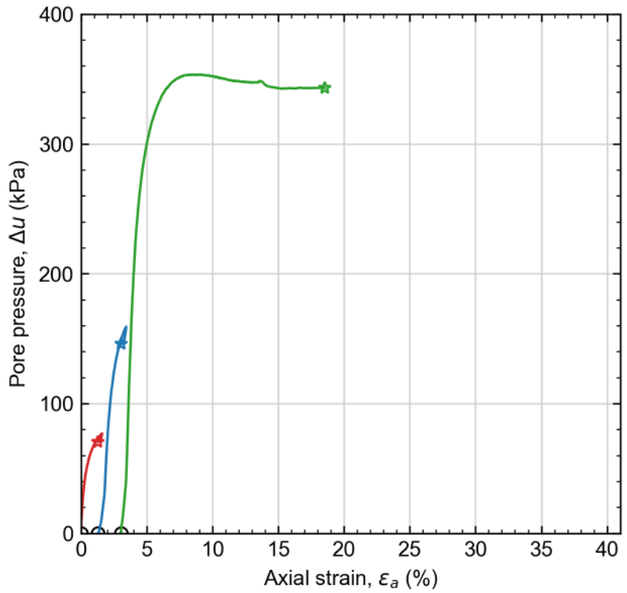


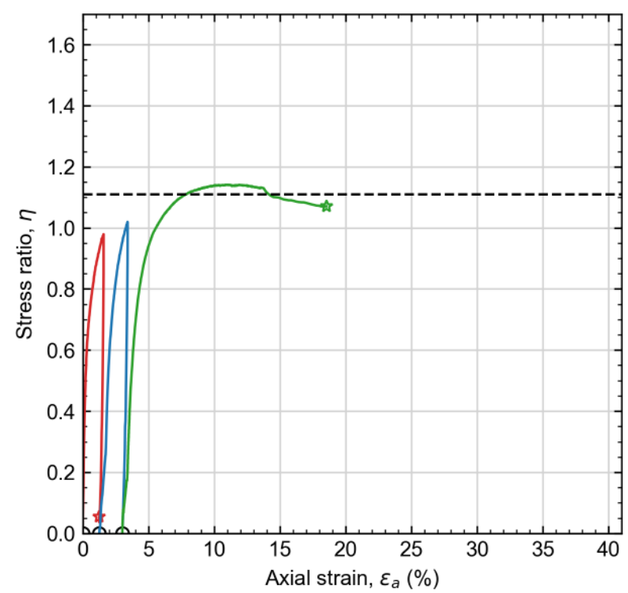


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167388**
	Date: January 2023	Approved: ARB / Figure No.: 39









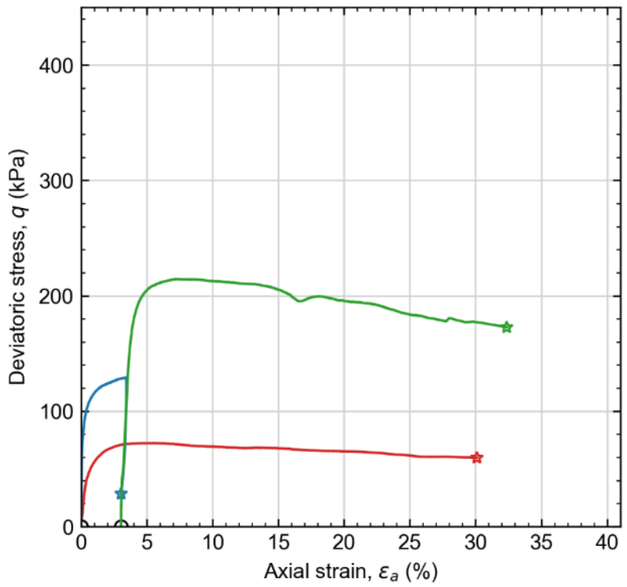
srk consulting

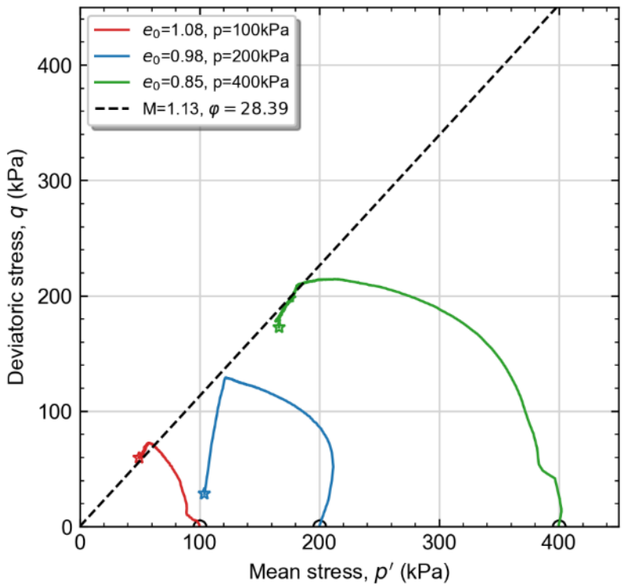
CANADA NICKEL COMPANY

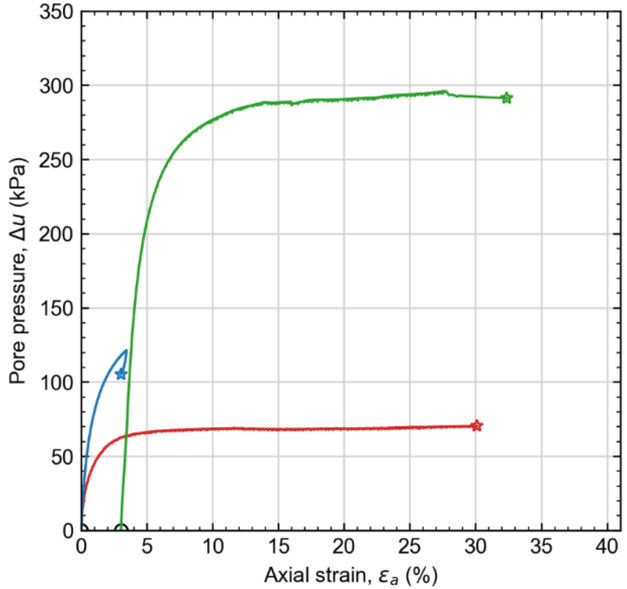
Crawford Overburden Geotechnical Investigation Factual Report

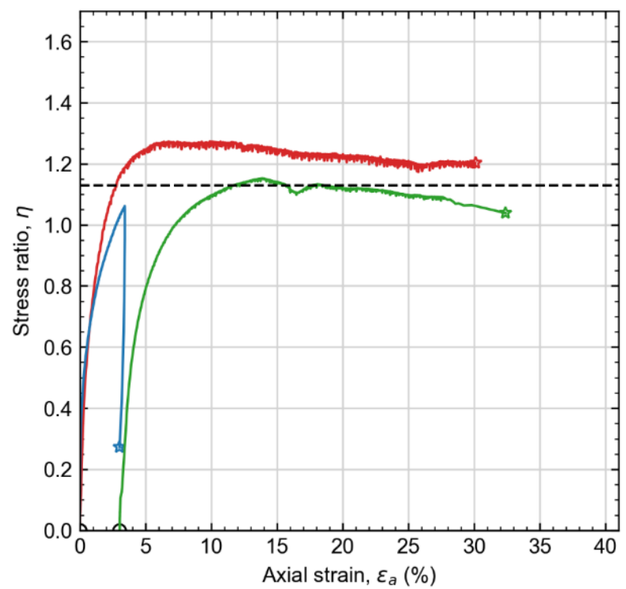
CU triaxial test results summary
Sample - 167390

Job No:	Date:	Approved:	Figure No.:
CAPR000801	January 2023	ARB	40









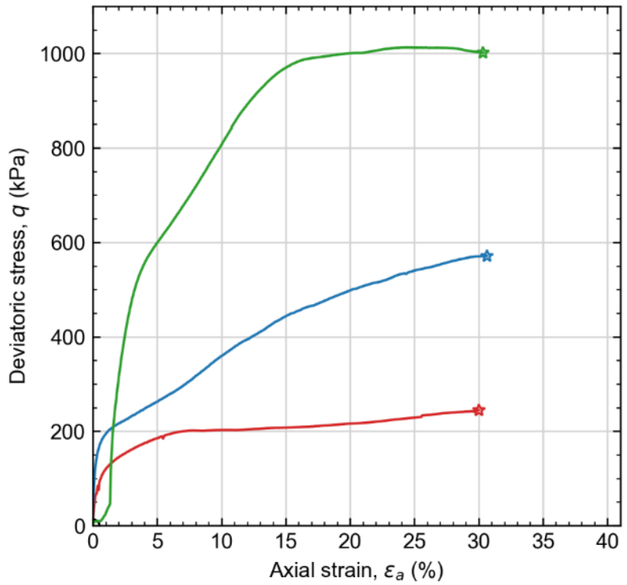
srk consulting

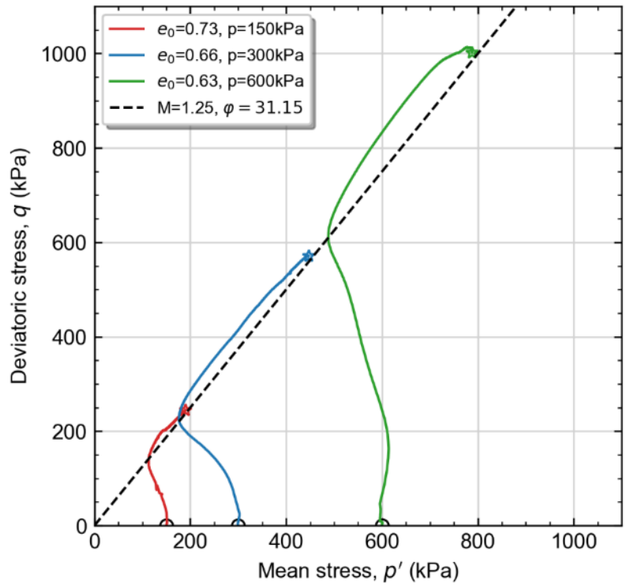
CANADA NICKEL COMPANY

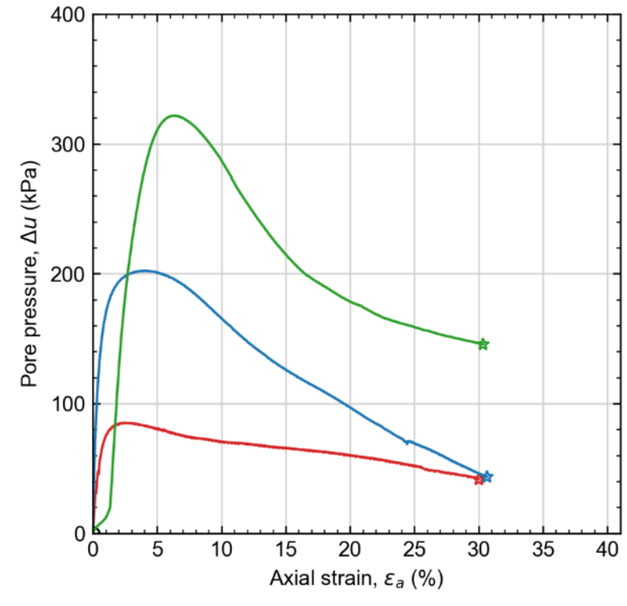
Crawford Overburden Geotechnical Investigation Factual Report

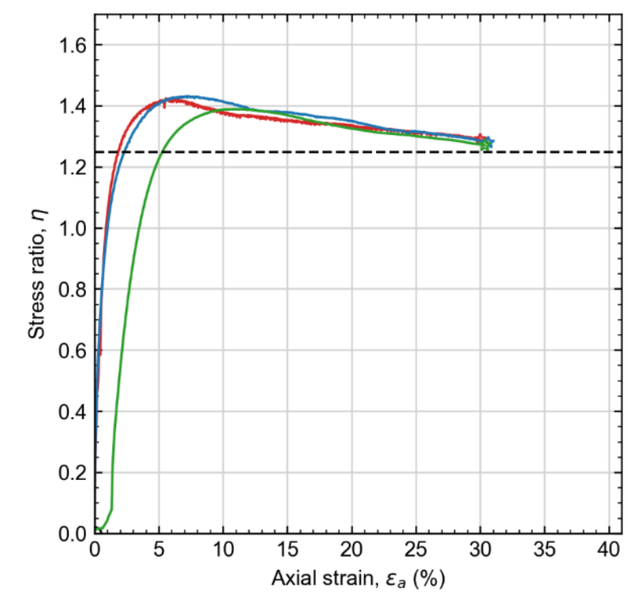
CU triaxial test results summary
Sample - 167392

Job No:	Date:	Approved:	Figure No.:
CAPR000801	January 2023	ARB	41

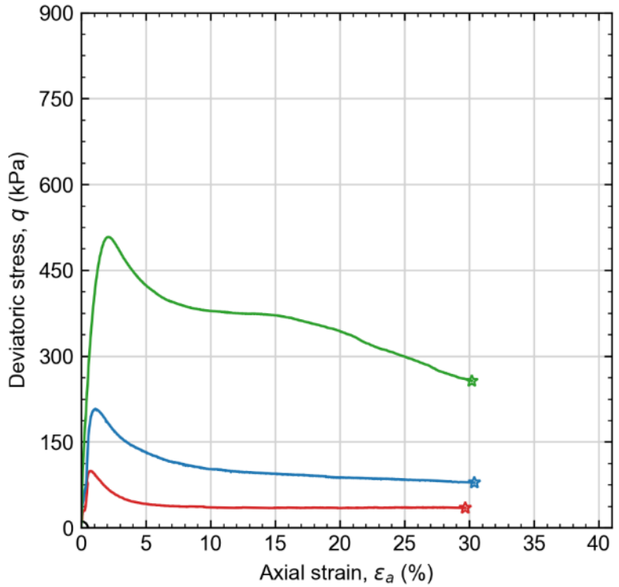


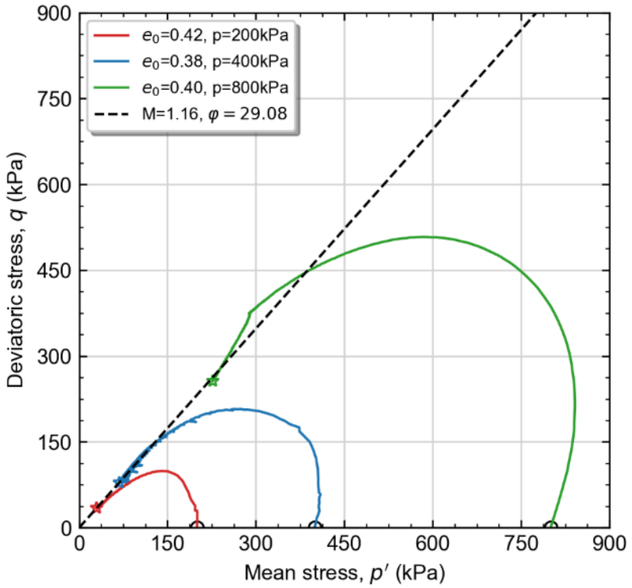


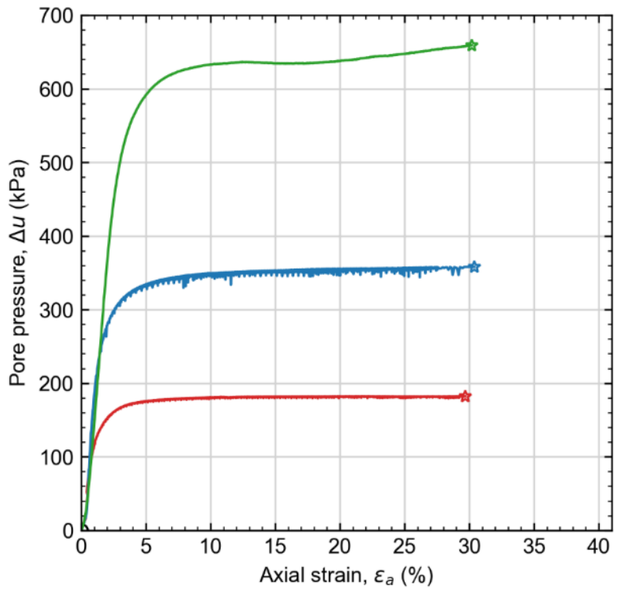


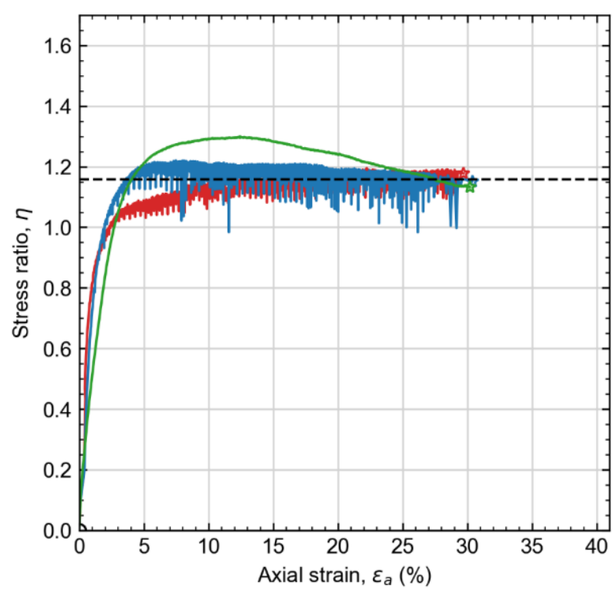


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167506**
		Date: January 2023 / Approved: ARB / Figure No.: 42

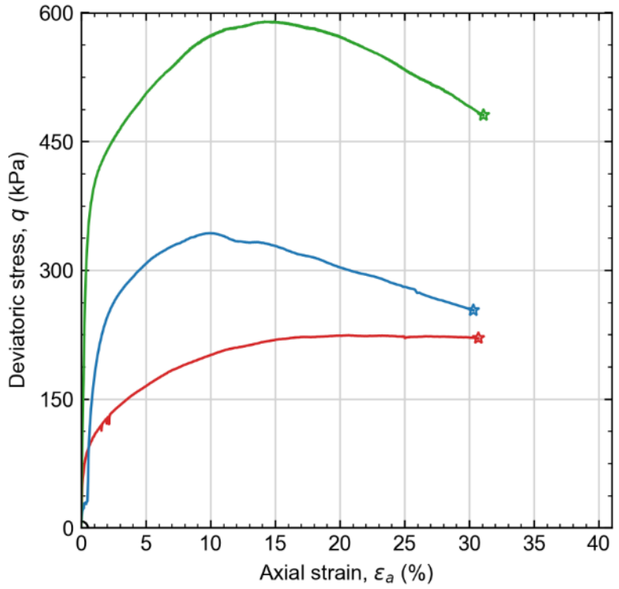


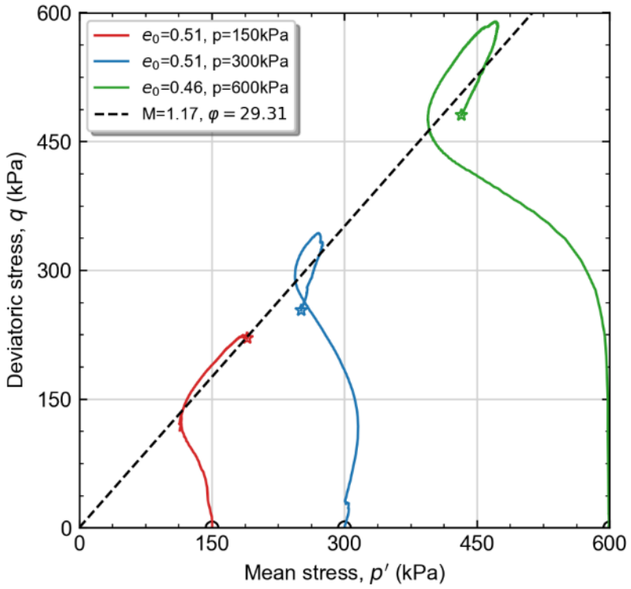


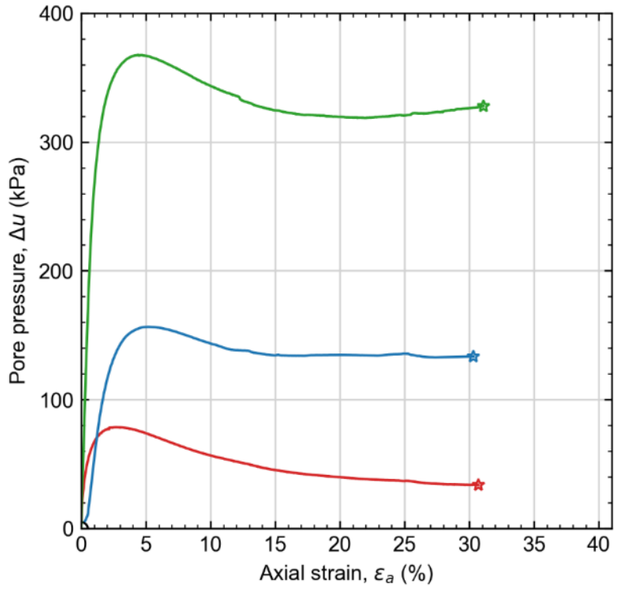


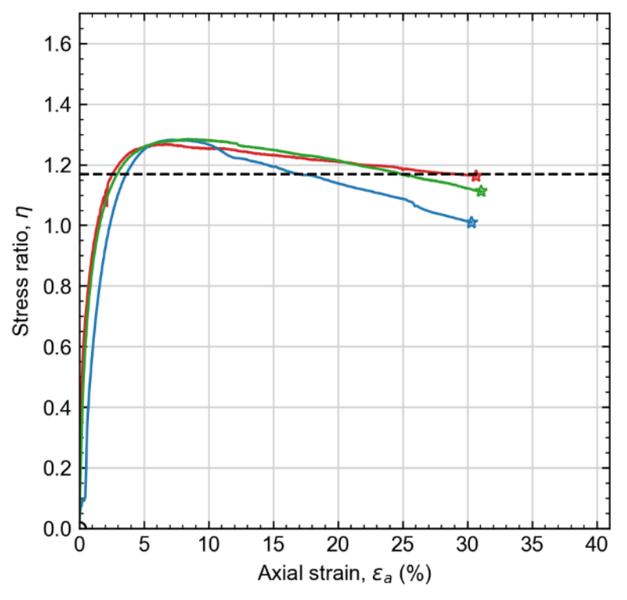


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167511**
		Date: January 2023 / Approved: ARB / Figure No.: 43

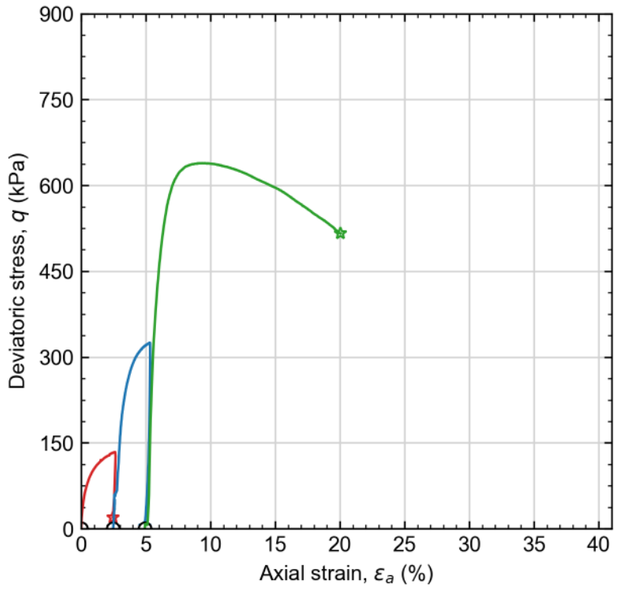


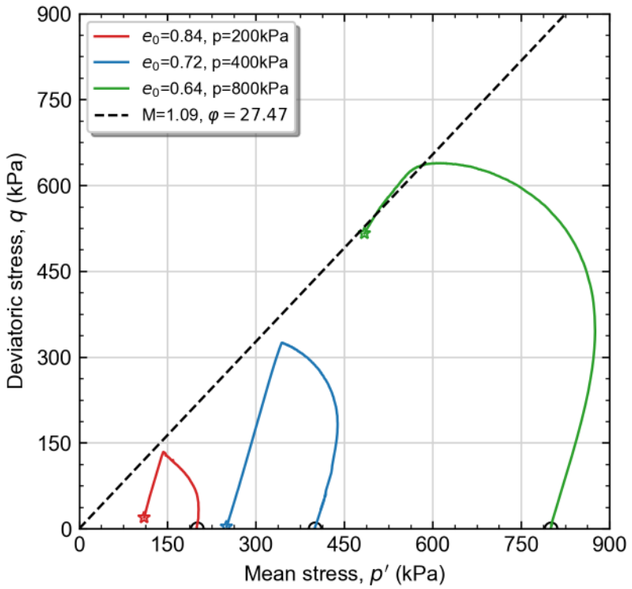


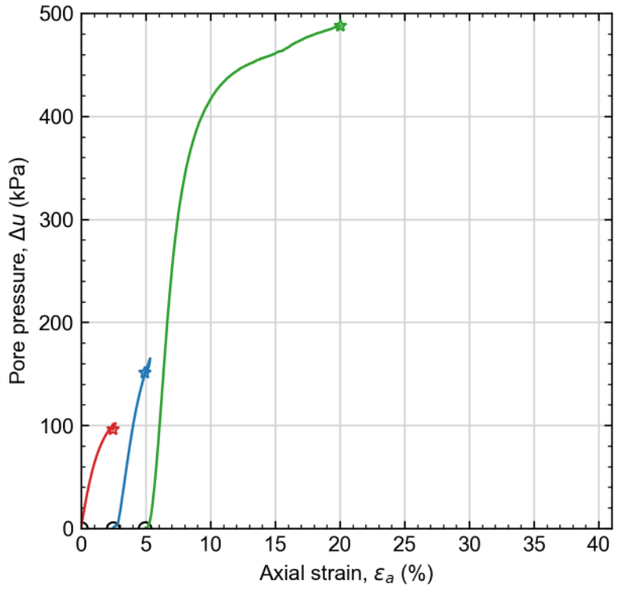


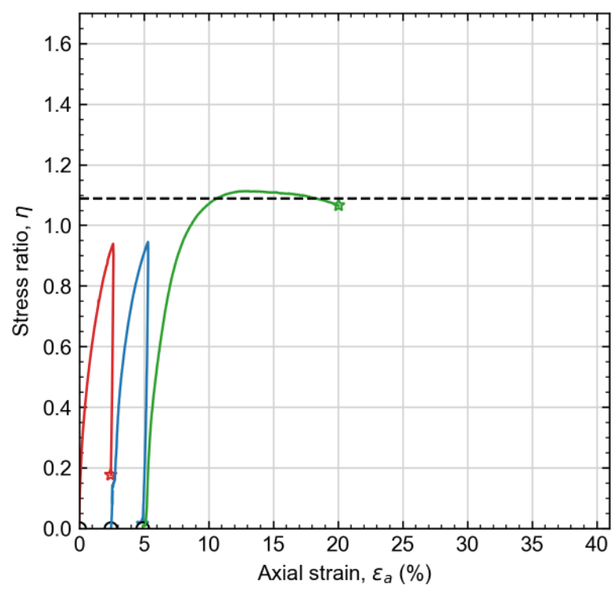


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167628**
	Date: January 2023	Approved: ARB / Figure No.: 44









srk consulting

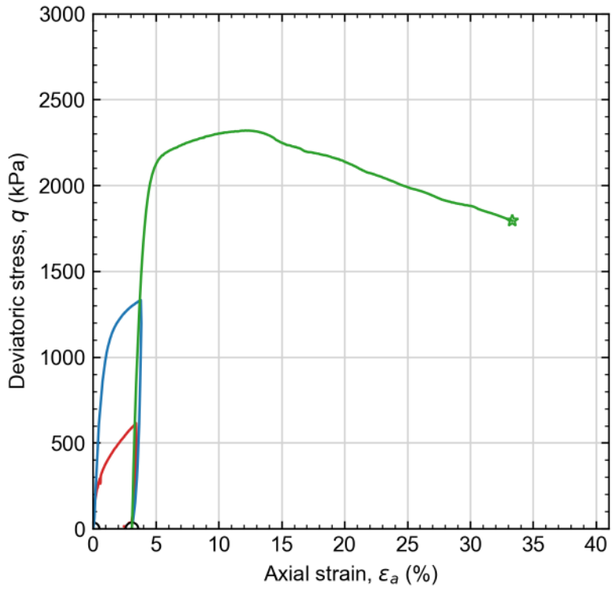
CANADA NICKEL COMPANY

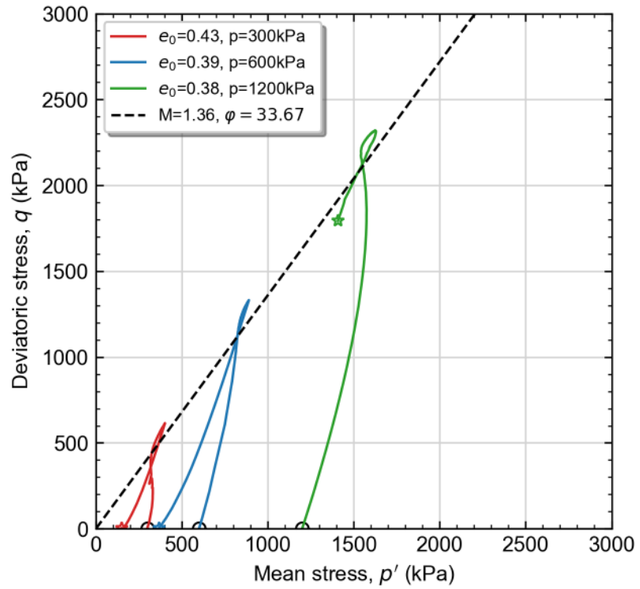
Crawford Overburden Geotechnical Investigation Factual Report

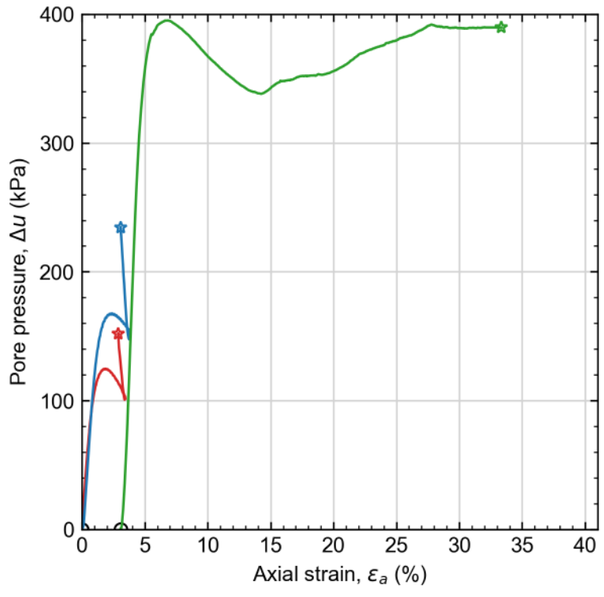
CU triaxial test results summary
Sample - 167785

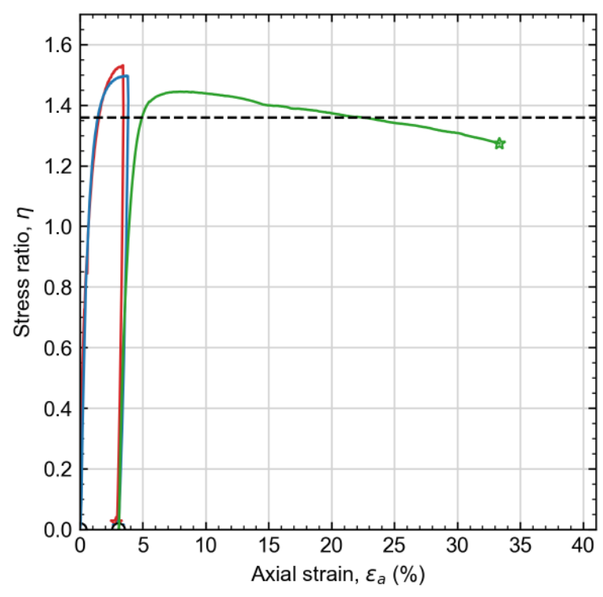
Job No: CAPR000801

Date:	*Approved:*	*Figure No.:*
January 2023	ARB	45

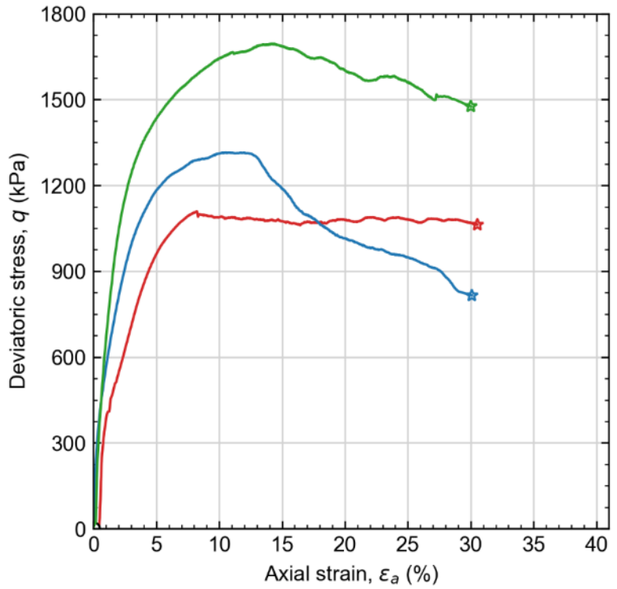


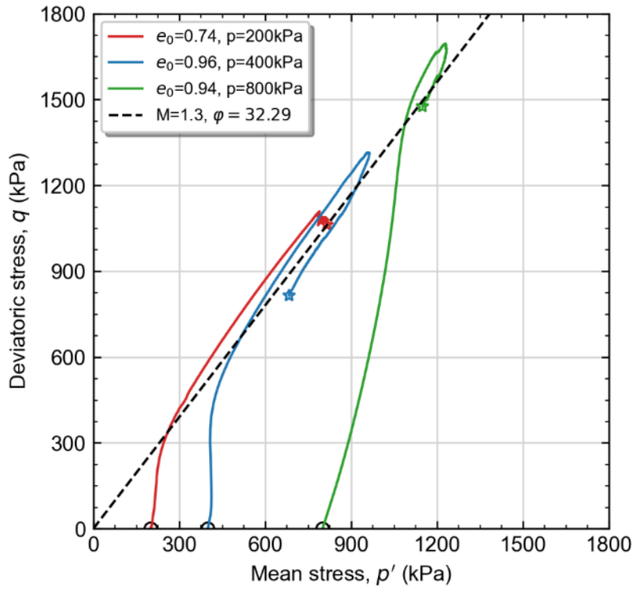


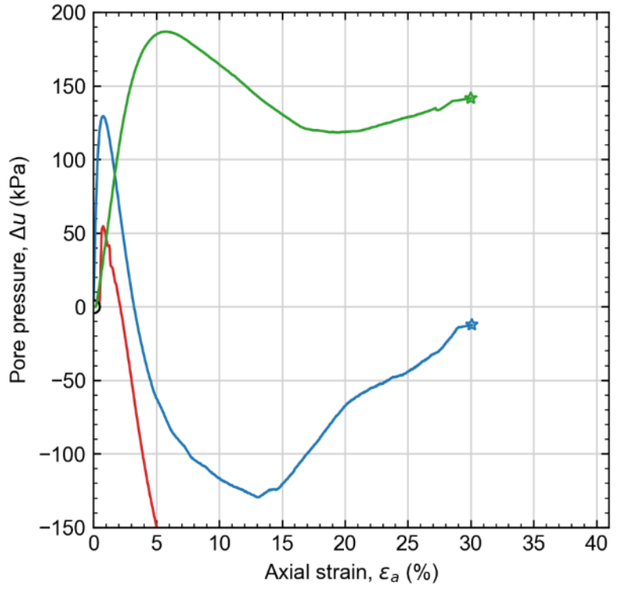


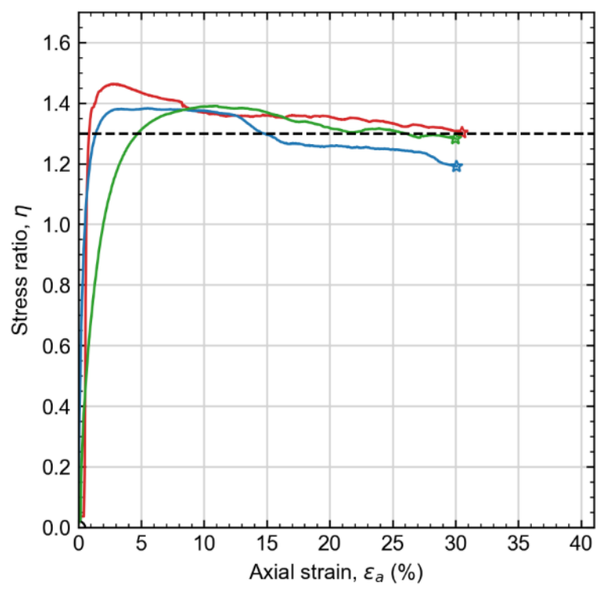


srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167804**
		Date: January 2023 / Approved: ARB / Figure No.: 46

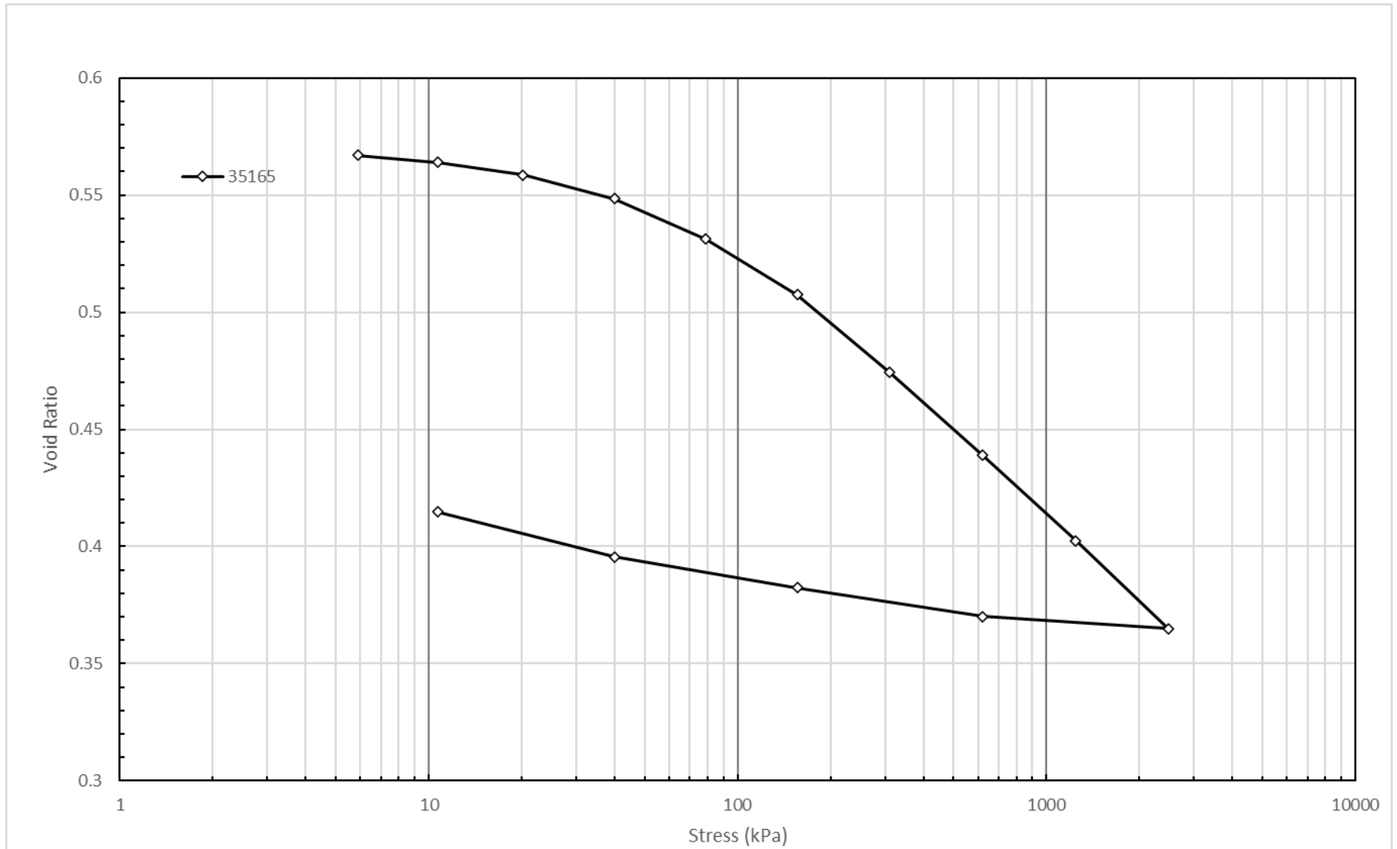




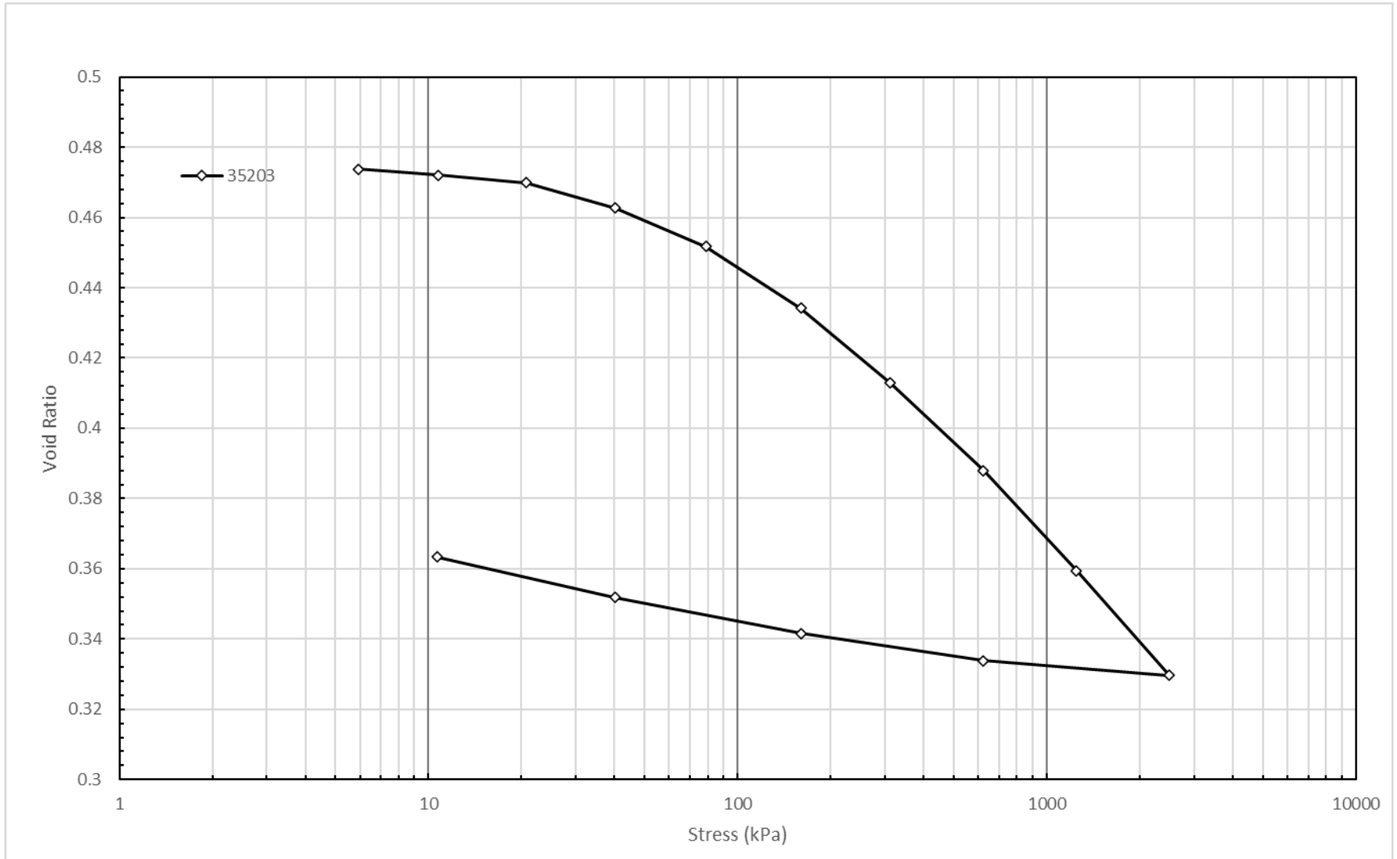




srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**CU triaxial test results summary Sample - 167843**
		Date: January 2023 / Approved: ARB / Figure No.: 47



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 35165**
		Date: January 2023 / Approved: ARB / Figure No.: 48



srk consulting

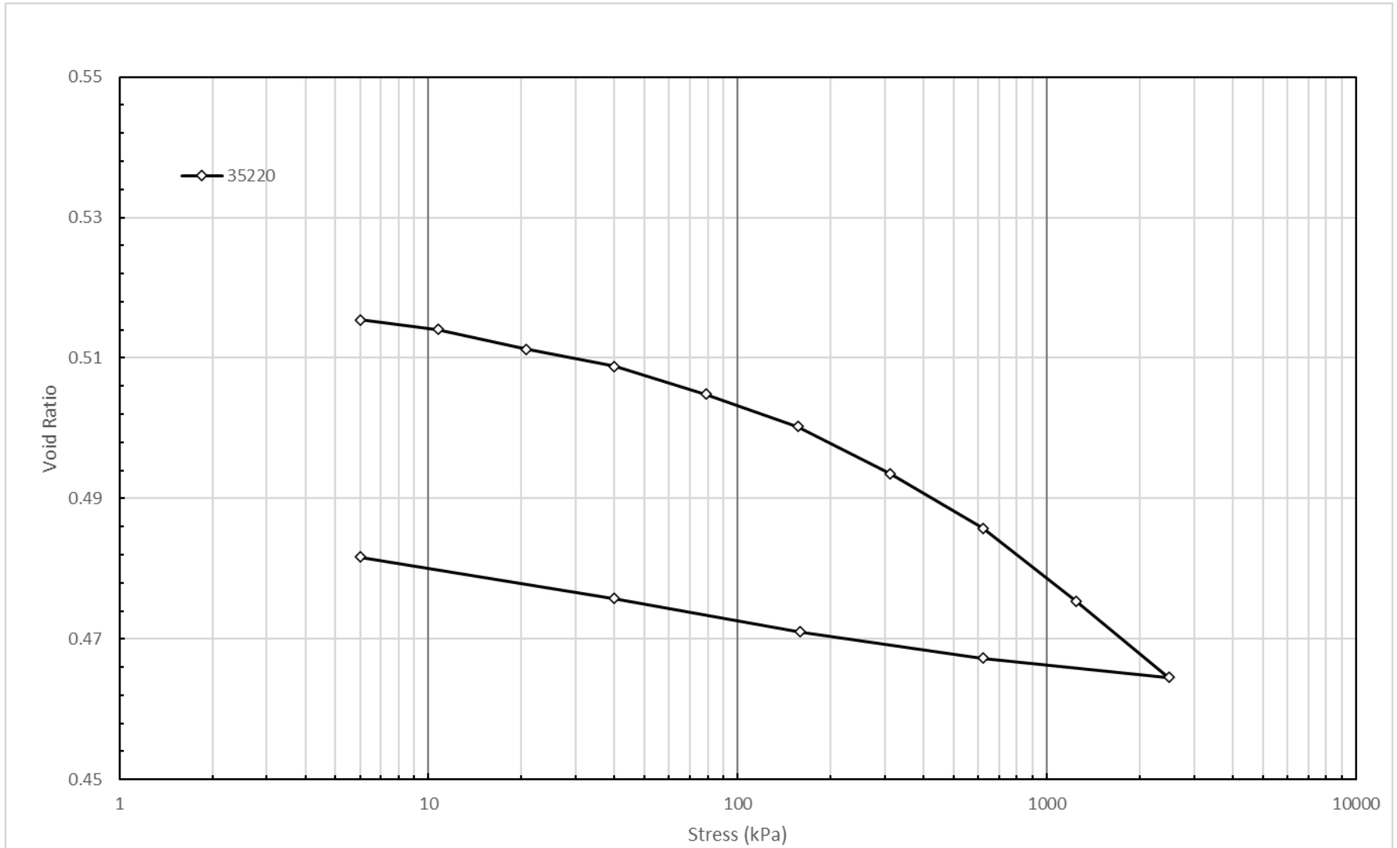
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

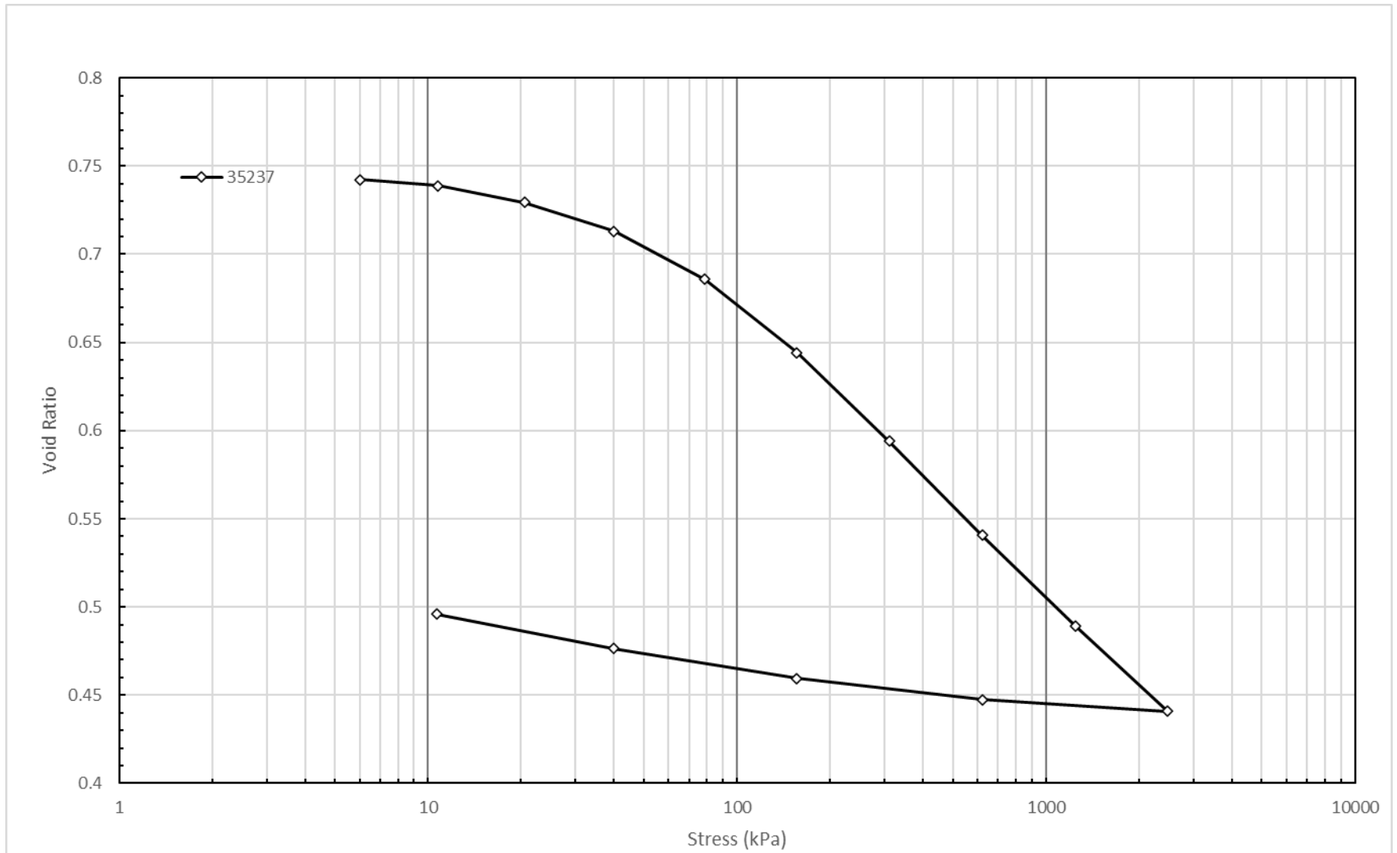
One dimensional consolidation test
Sample - 35203

Job No: *CAPR000801*

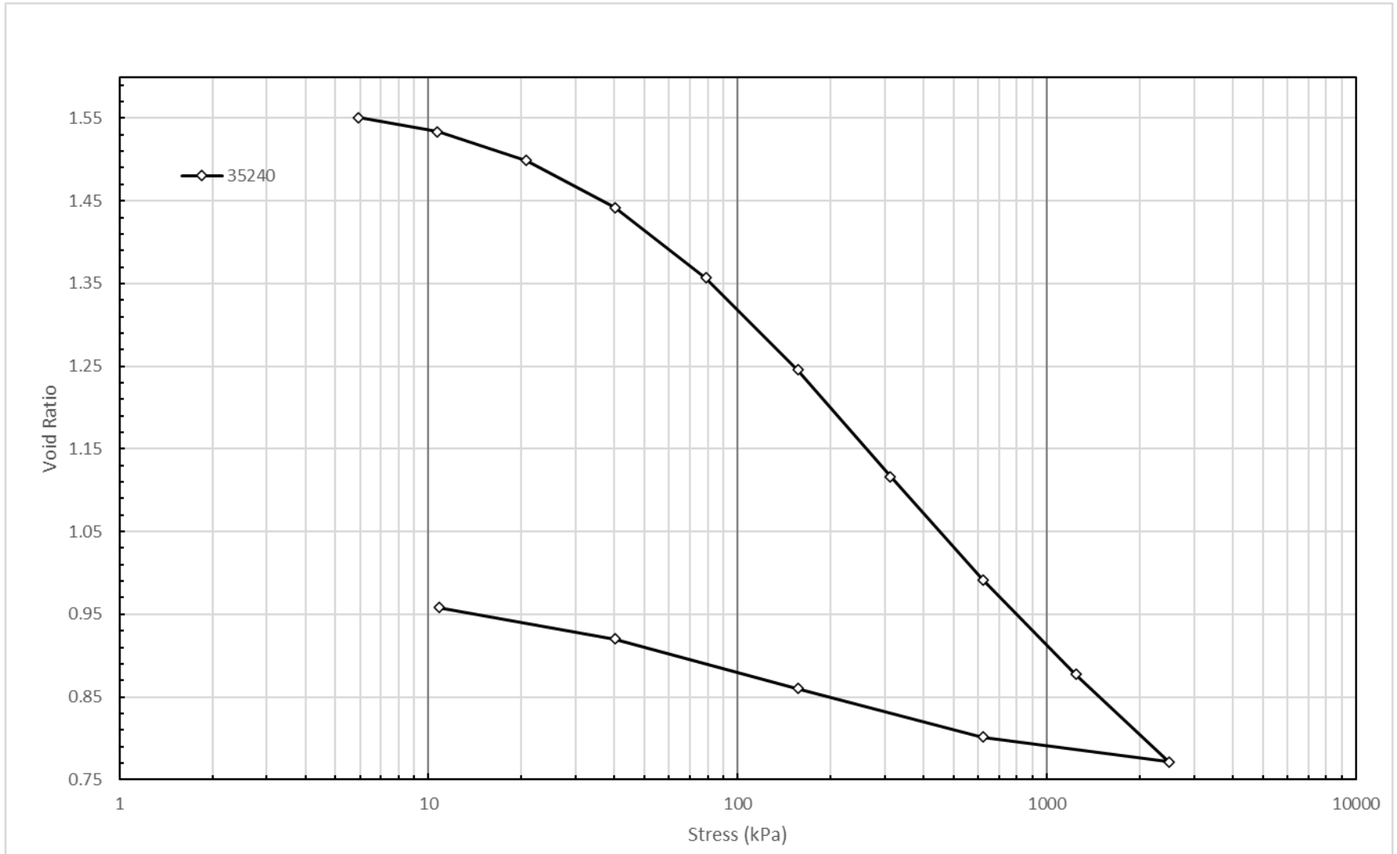
Date:	*Approved:*	*Figure No.:*
January 2023	ARB	49



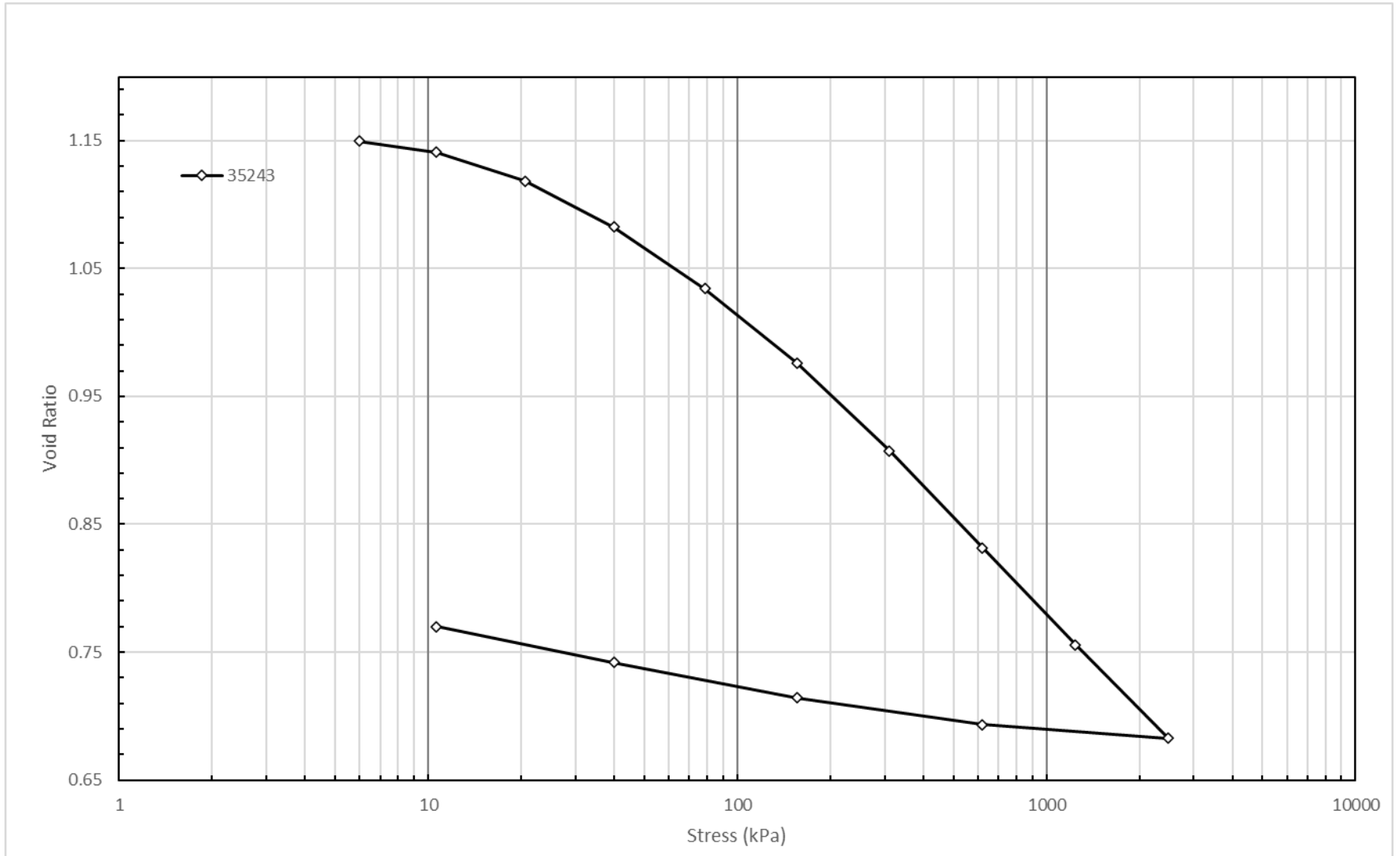
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample – 35220**
		Date: January 2023 / Approved: ARB / Figure No.: 50



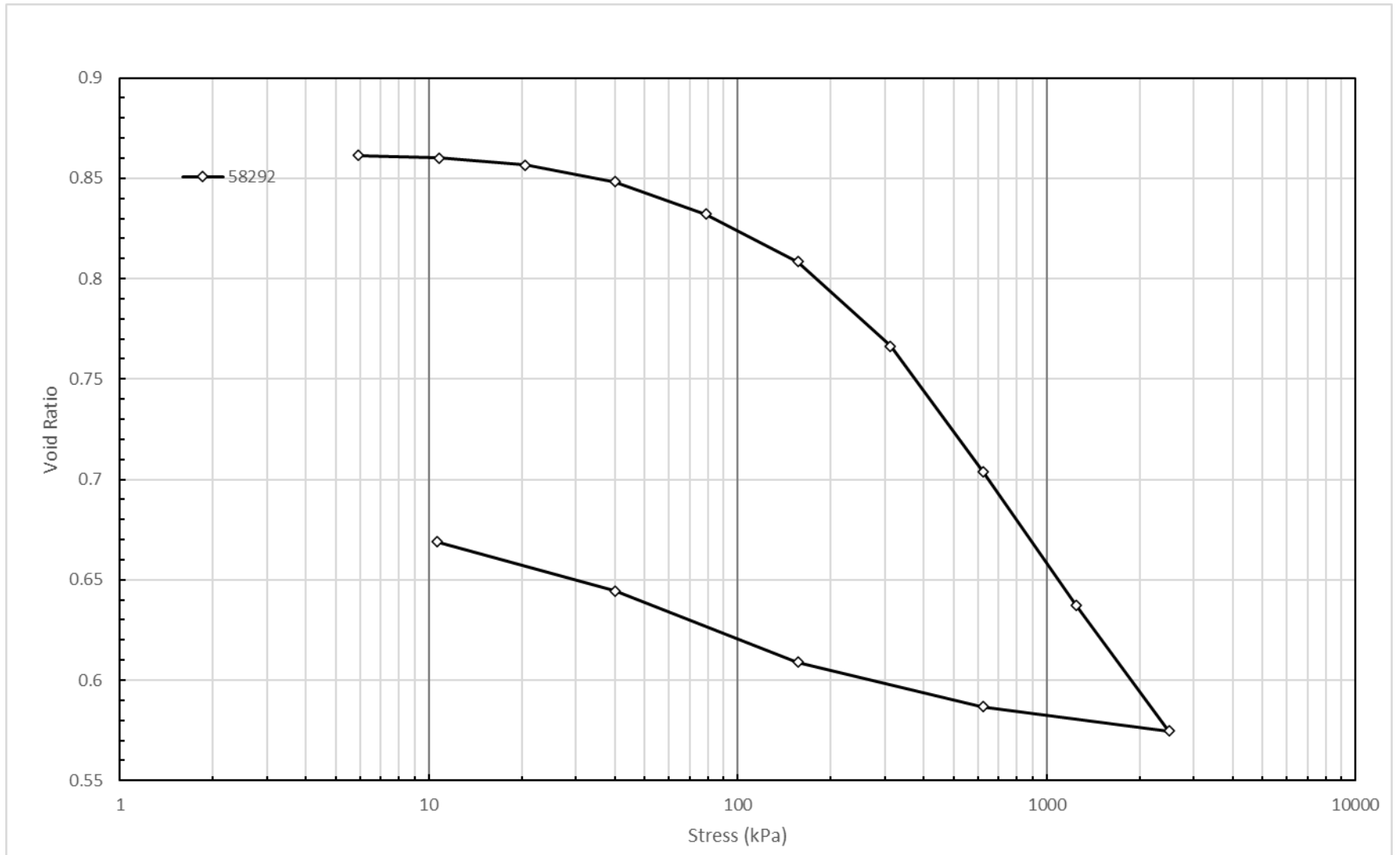
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 35237**
		Date: January 2023 / Approved: ARB / Figure No.: 51



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 35240**
		Date: January 2023 / Approved: ARB / Figure No.: 52



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 35243**
		Date: January 2023 / Approved: ARB / Figure No.: 53



srk consulting

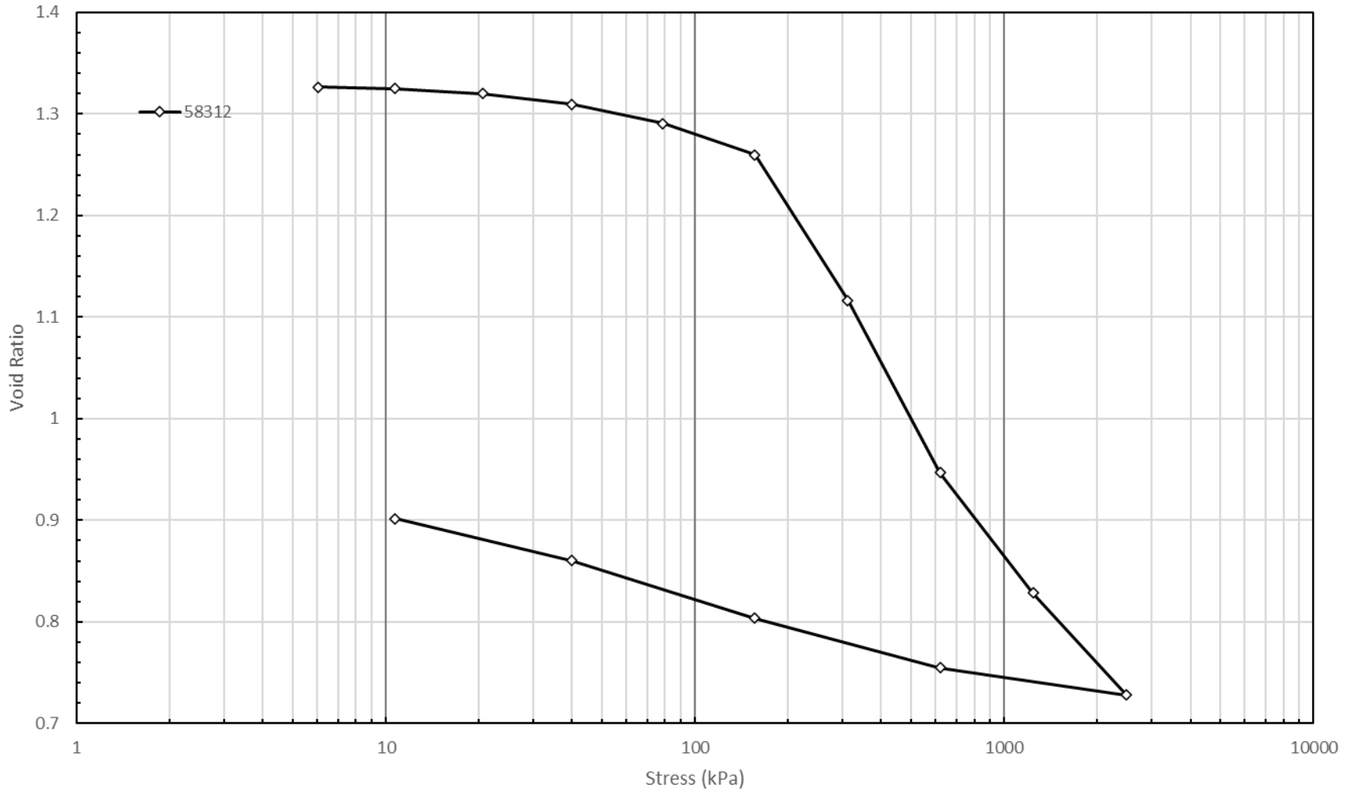
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

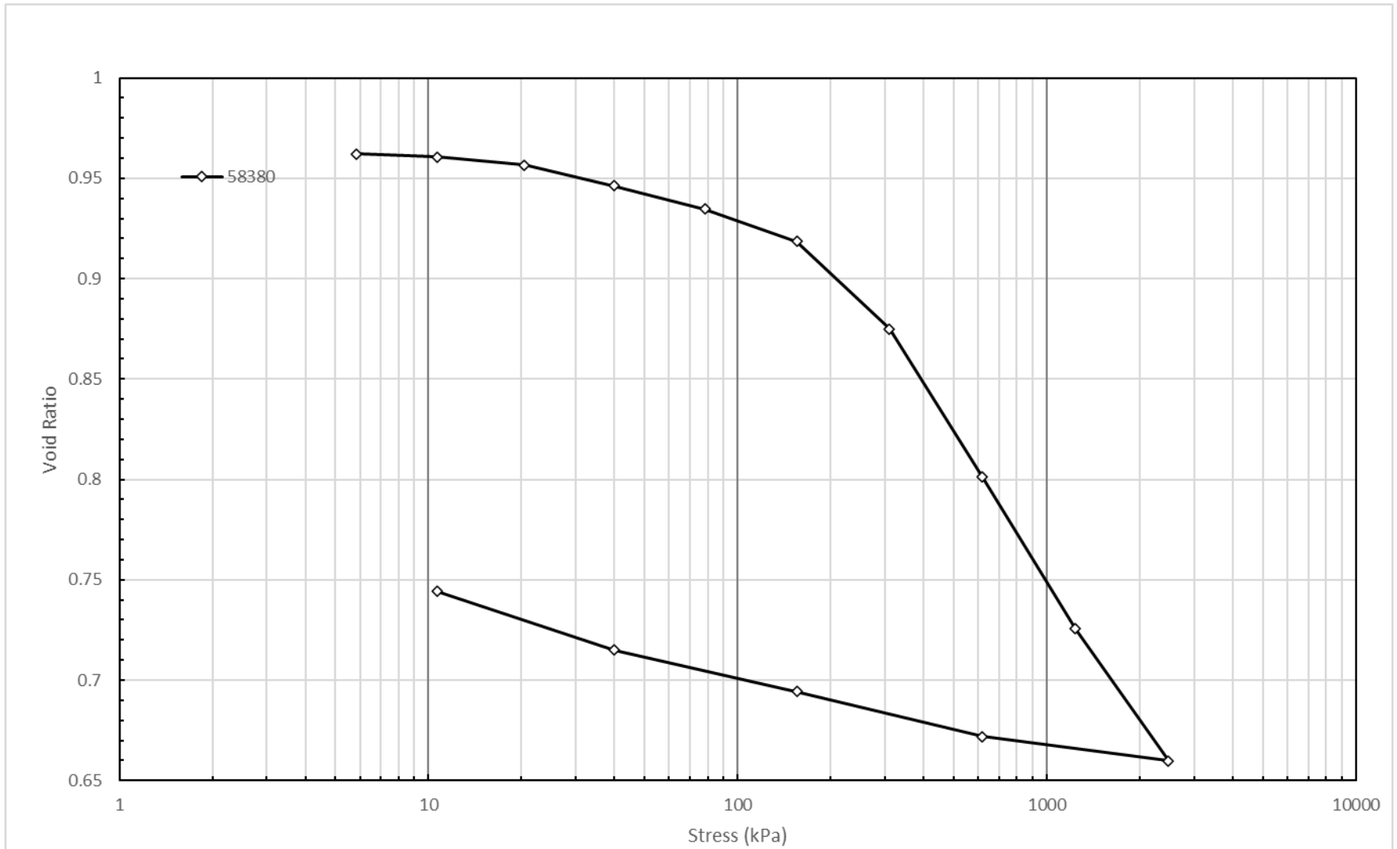
One dimensional consolidation test
Sample - 58292

Job No: *CAPR000801*

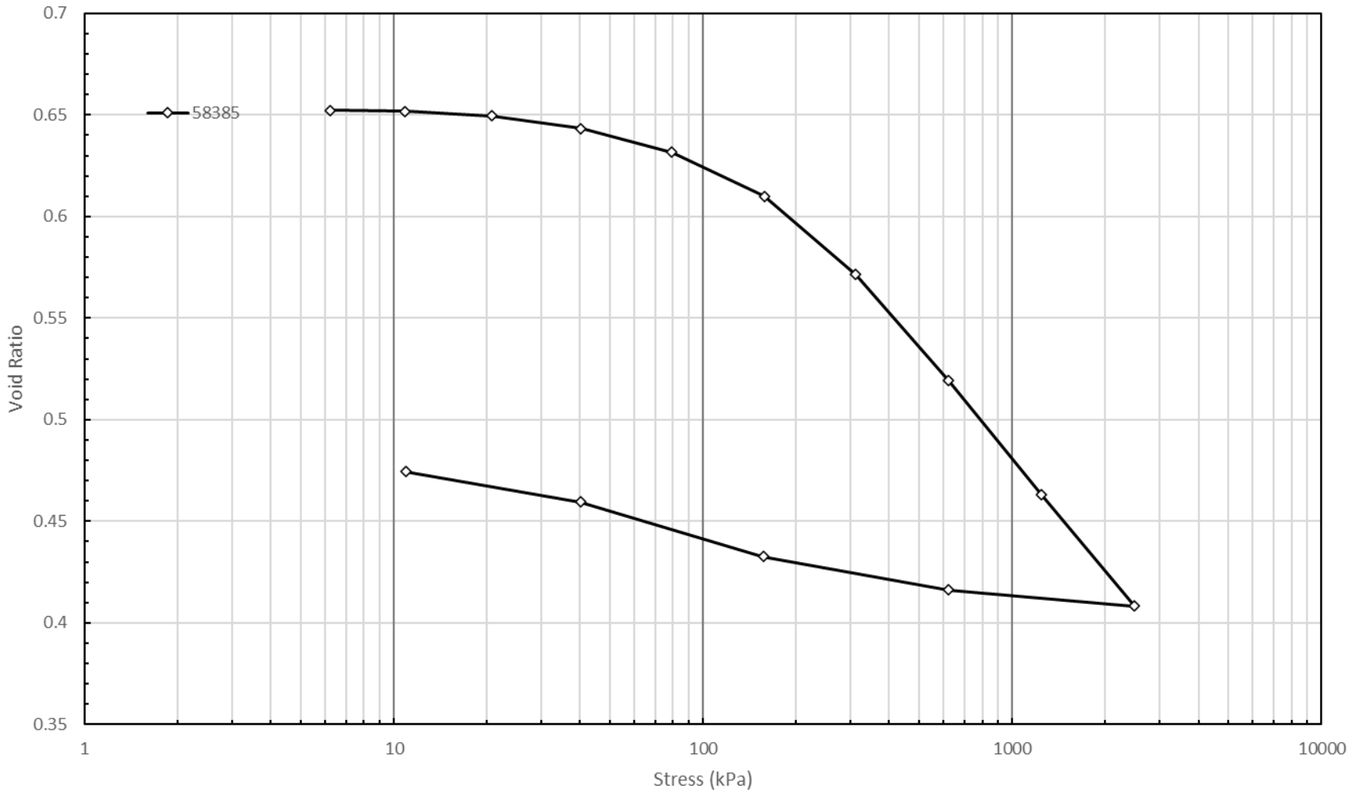
Date:	*Approved:*	*Figure No.:*
January 2023	ARB	54



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 58312**
		Date: January 2023 / Approved: ARB / Figure No.: 55



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 58380**
		Date: January 2023 / Approved: ARB / Figure No.: 56



srk consulting

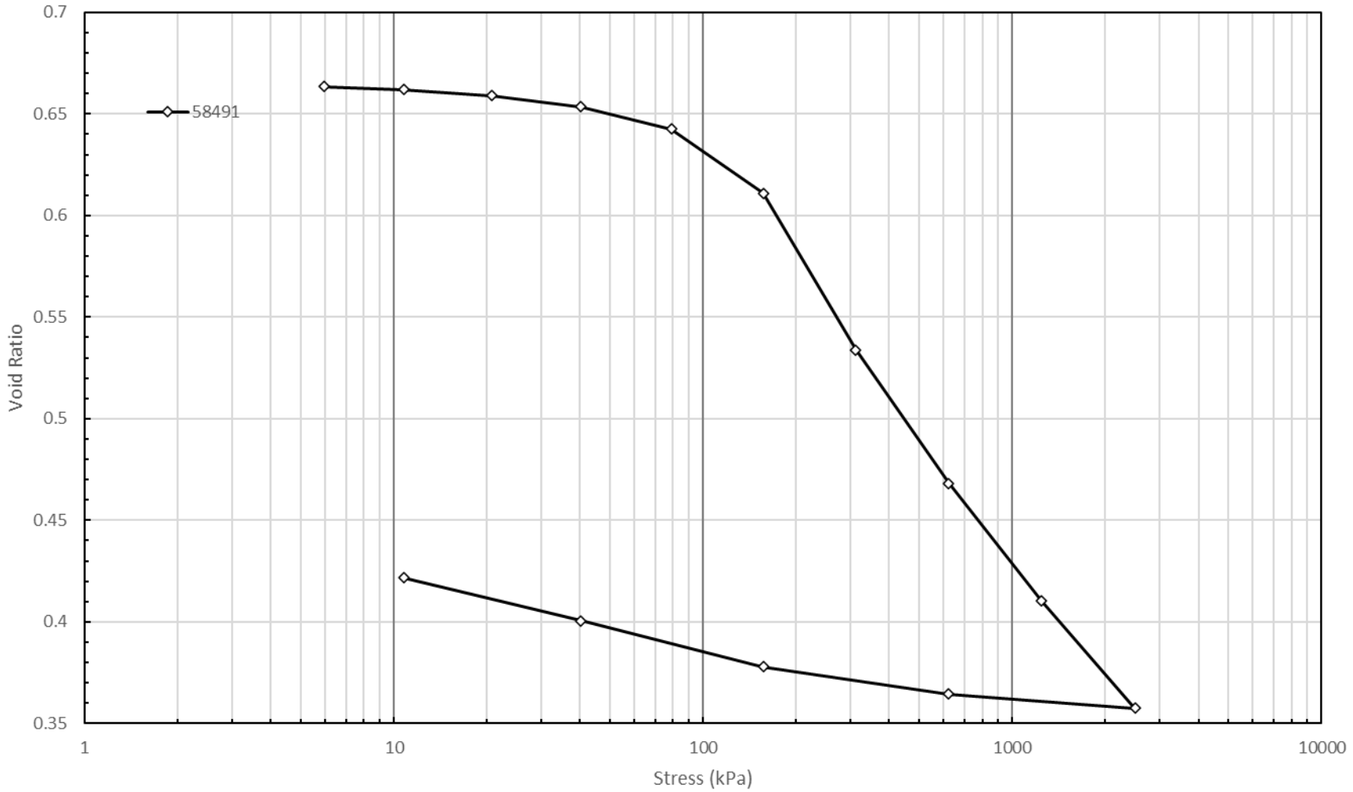
CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

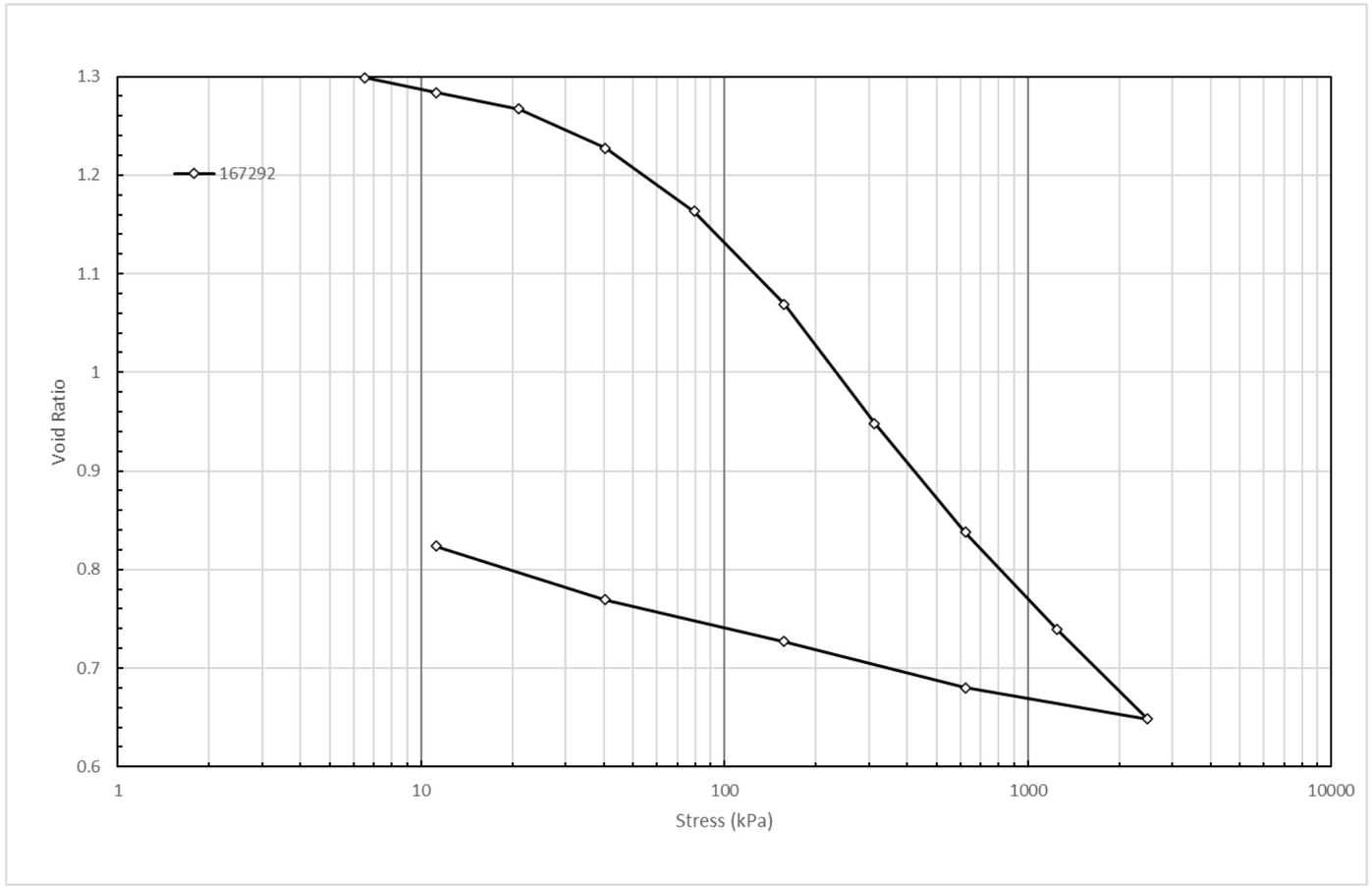
One dimensional consolidation test
Sample - 58385

Job No: *CAPR000801*

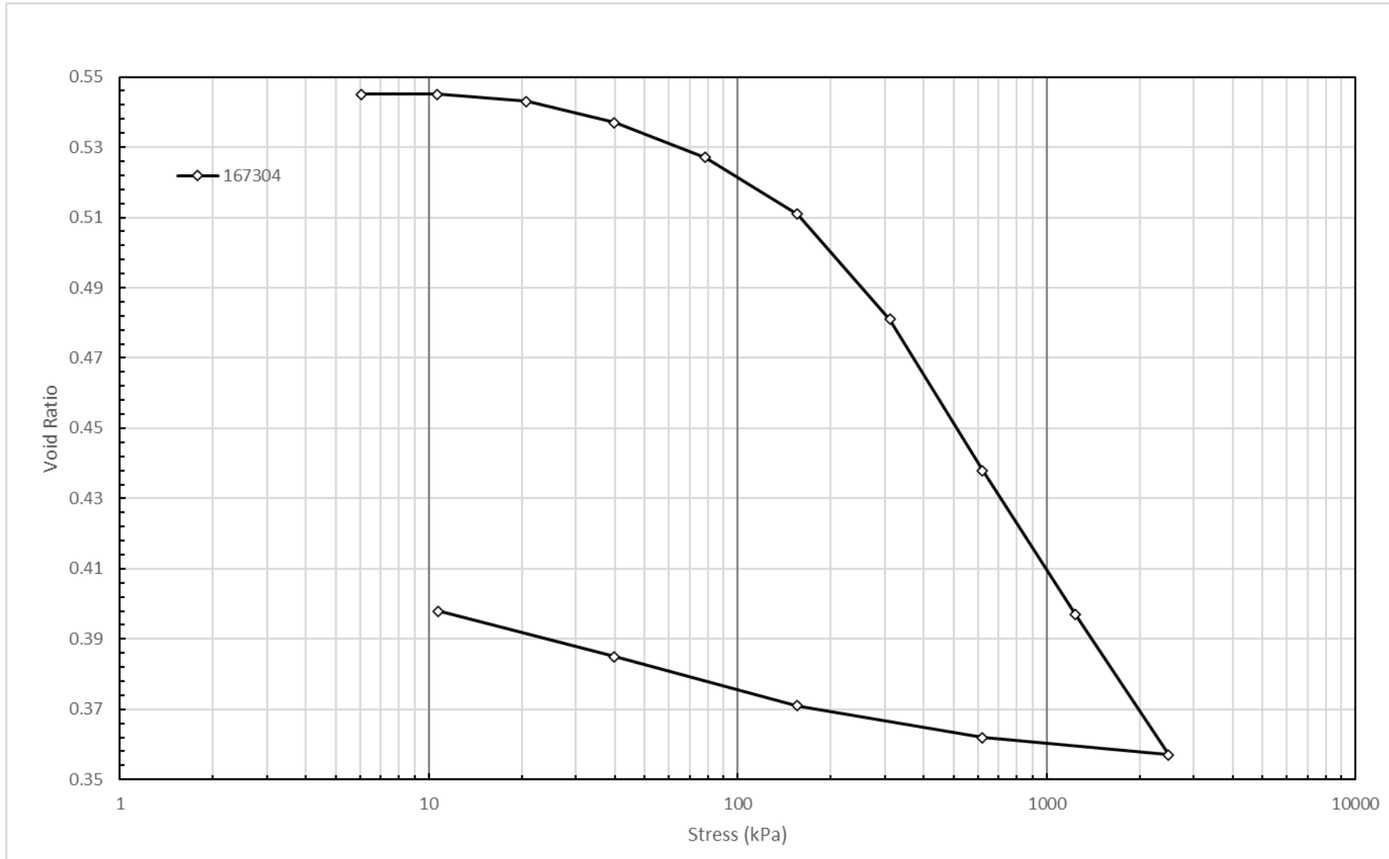
Date:	*Approved:*	*Figure No.:*
January 2023	ARB	57



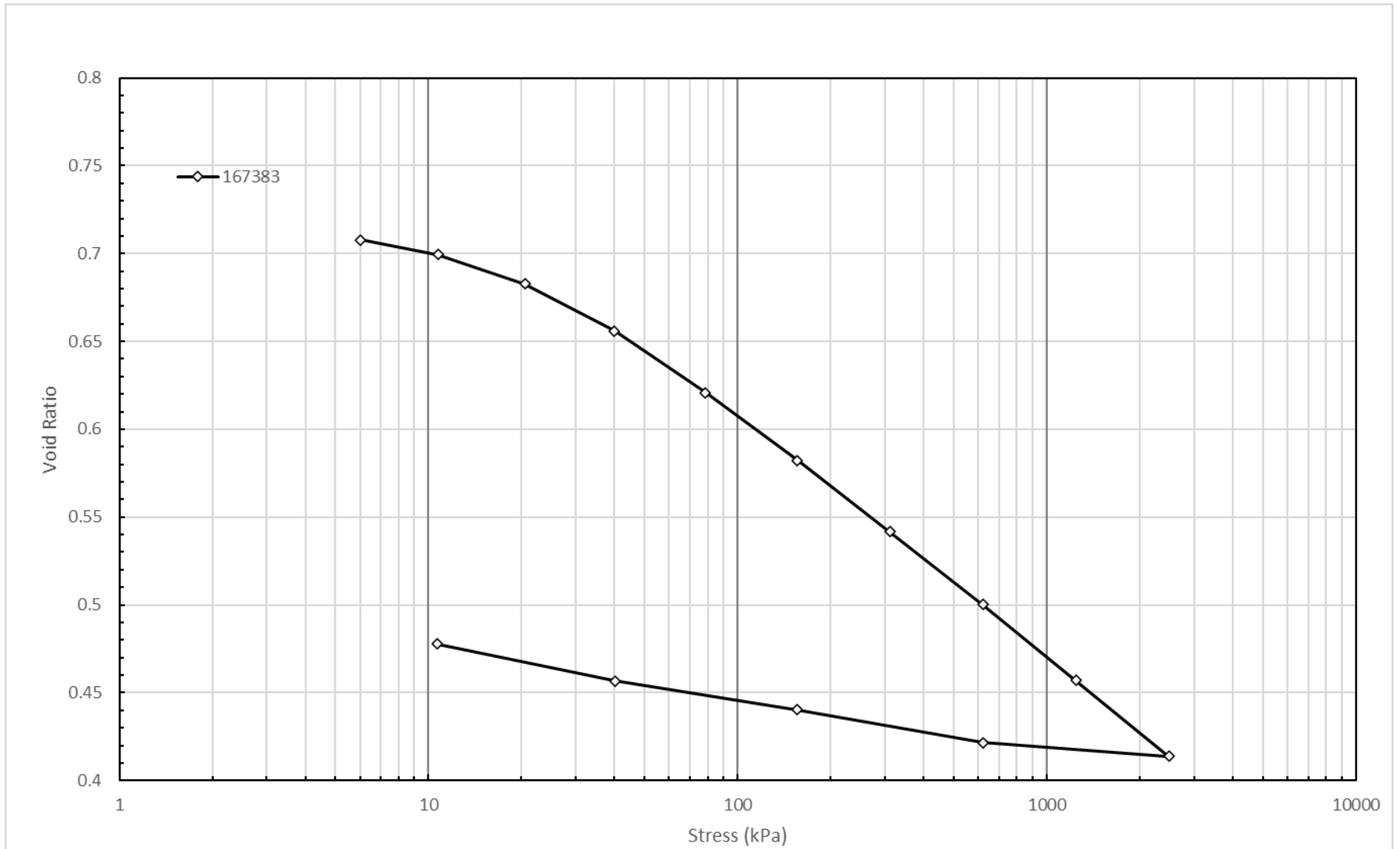
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 58491**
		Date: January 2023 / Approved: ARB / Figure No.: 58



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 167292**
		Date: January 2023 / Approved: ARB / Figure No.: 59



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
		One dimensional consolidation test Sample - 167304
Job No: CAPR000801		*Date:* January 2023 / *Approved:* ARB / *Figure No.:* 60



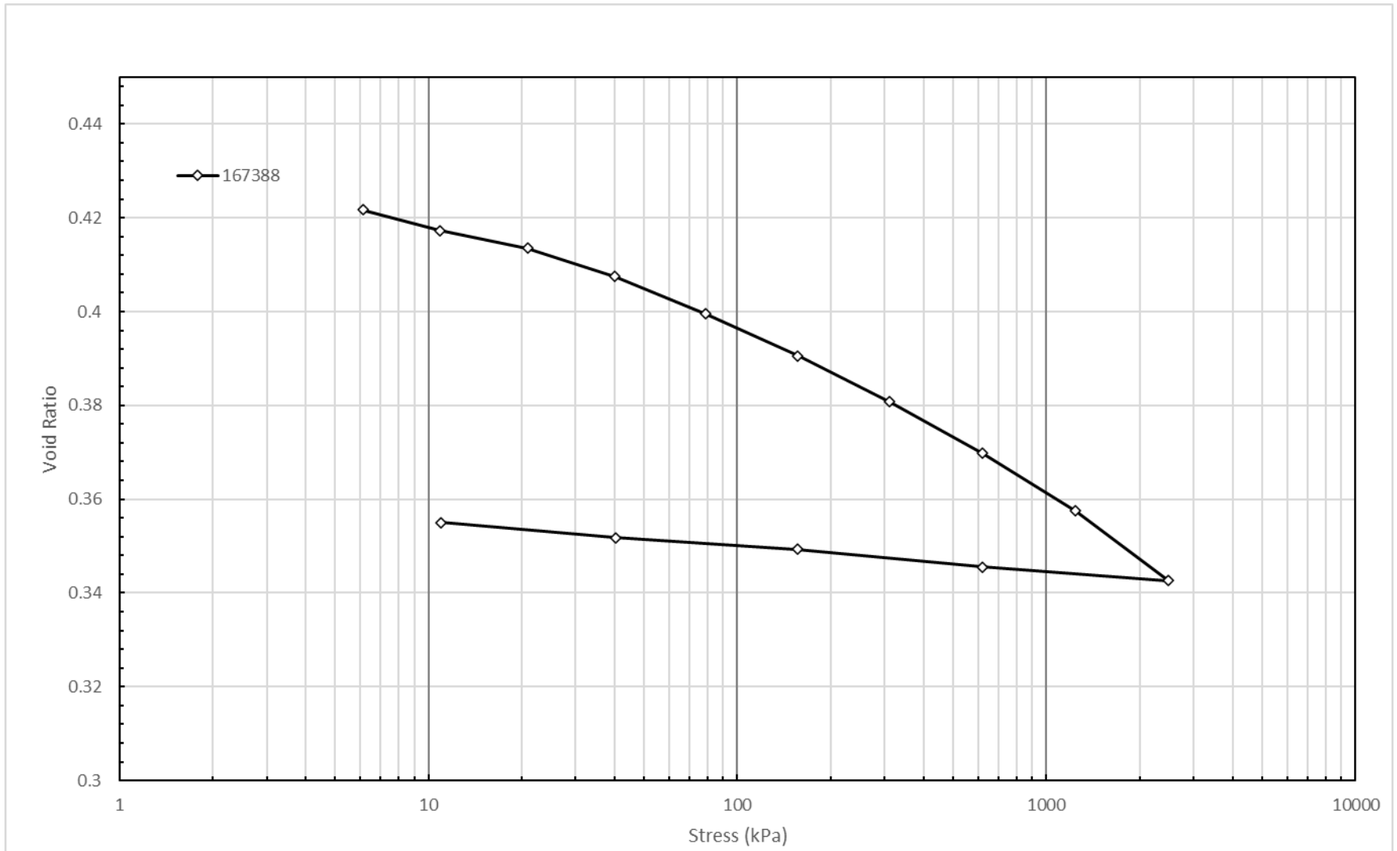
srk consulting

CANADA NICKEL COMPANY

Crawford Overburden Geotechnical Investigation Factual Report

One dimensional consolidation test
Sample - 167383

Job No:	CAPR000801		
		Date: January 2023	Approved: ARB
			Figure No.: 61



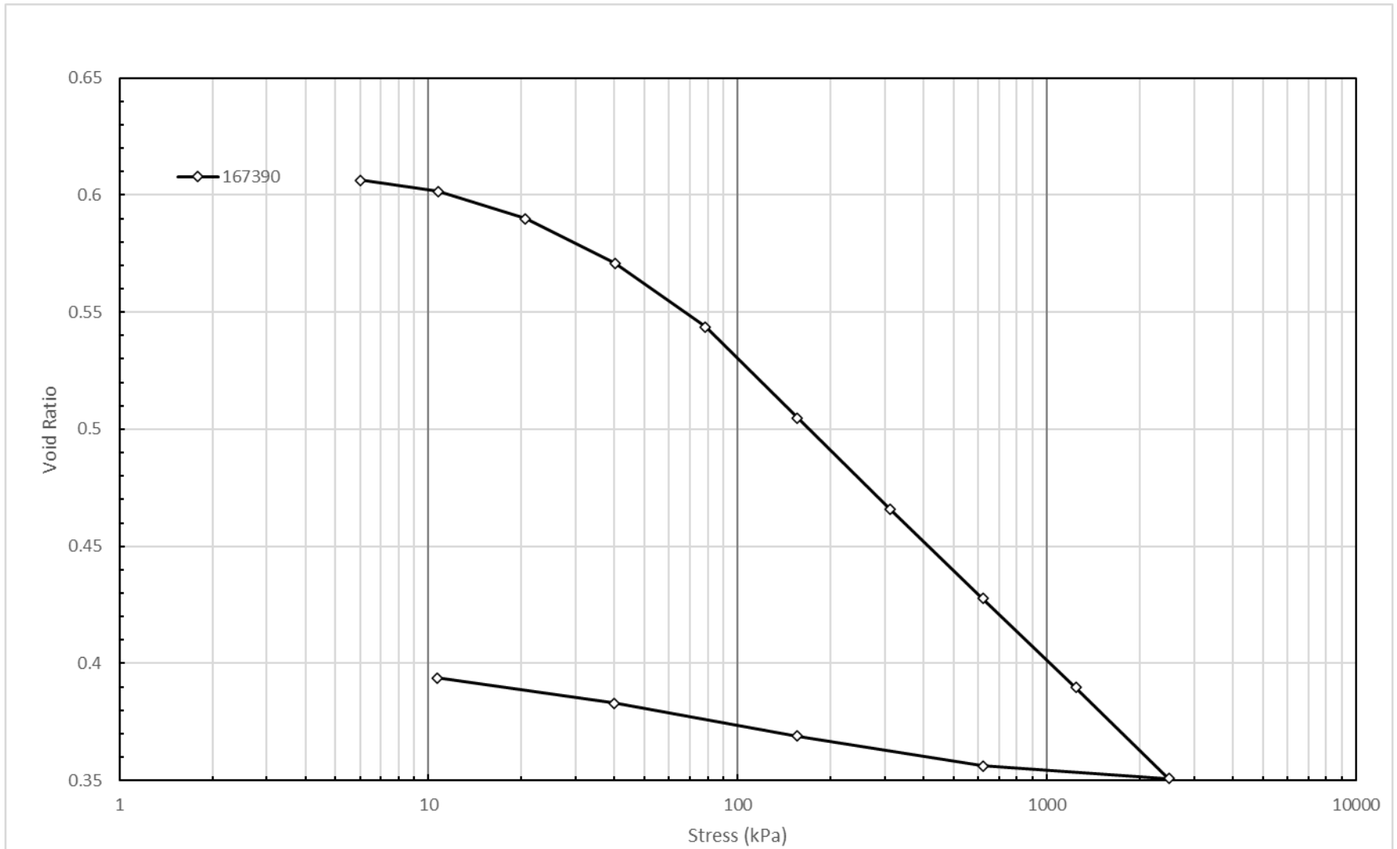
srk consulting

CANADA NICKEL COMPANY

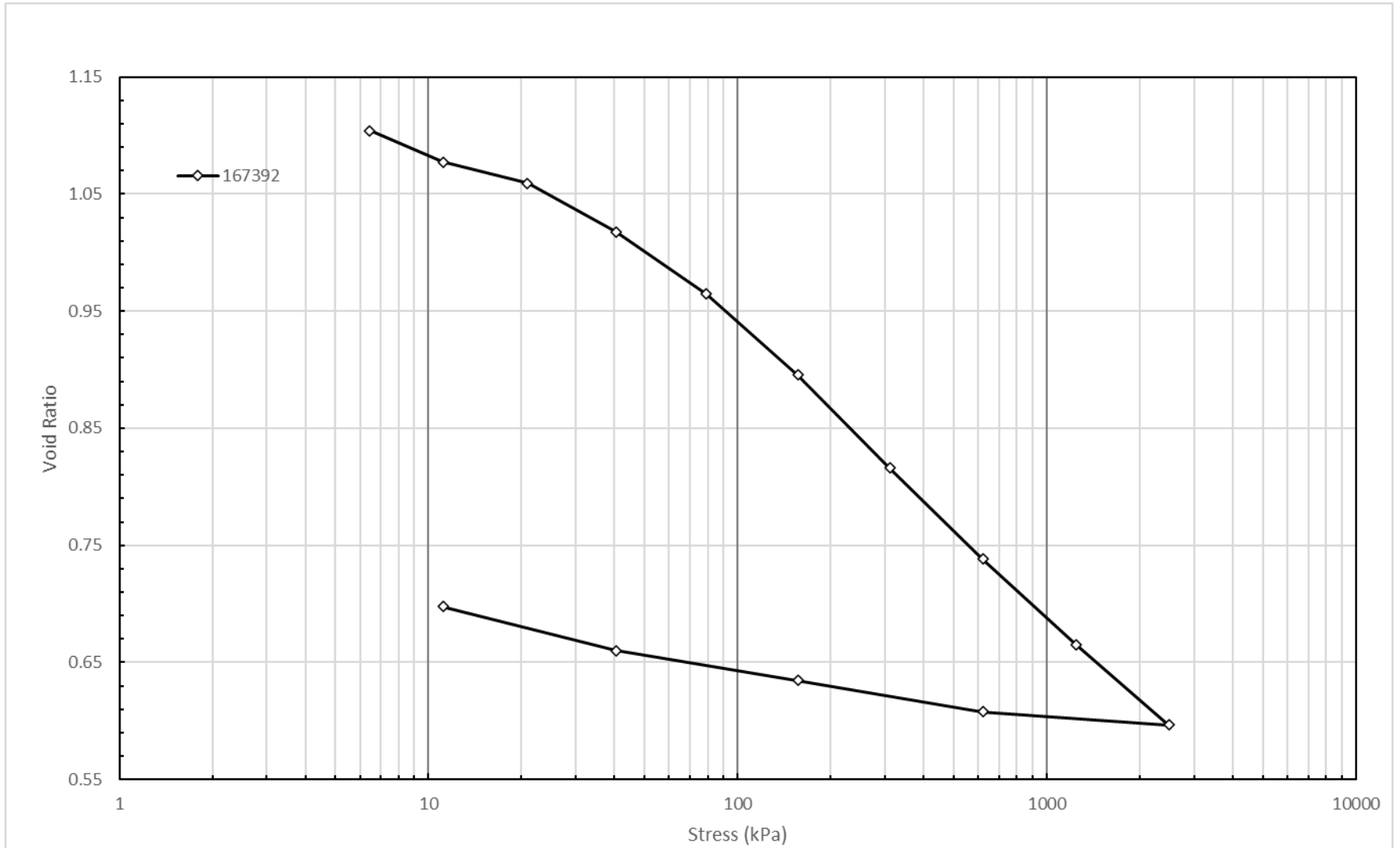
Crawford Overburden Geotechnical Investigation Factual Report

One dimensional consolidation test
Sample - 167388

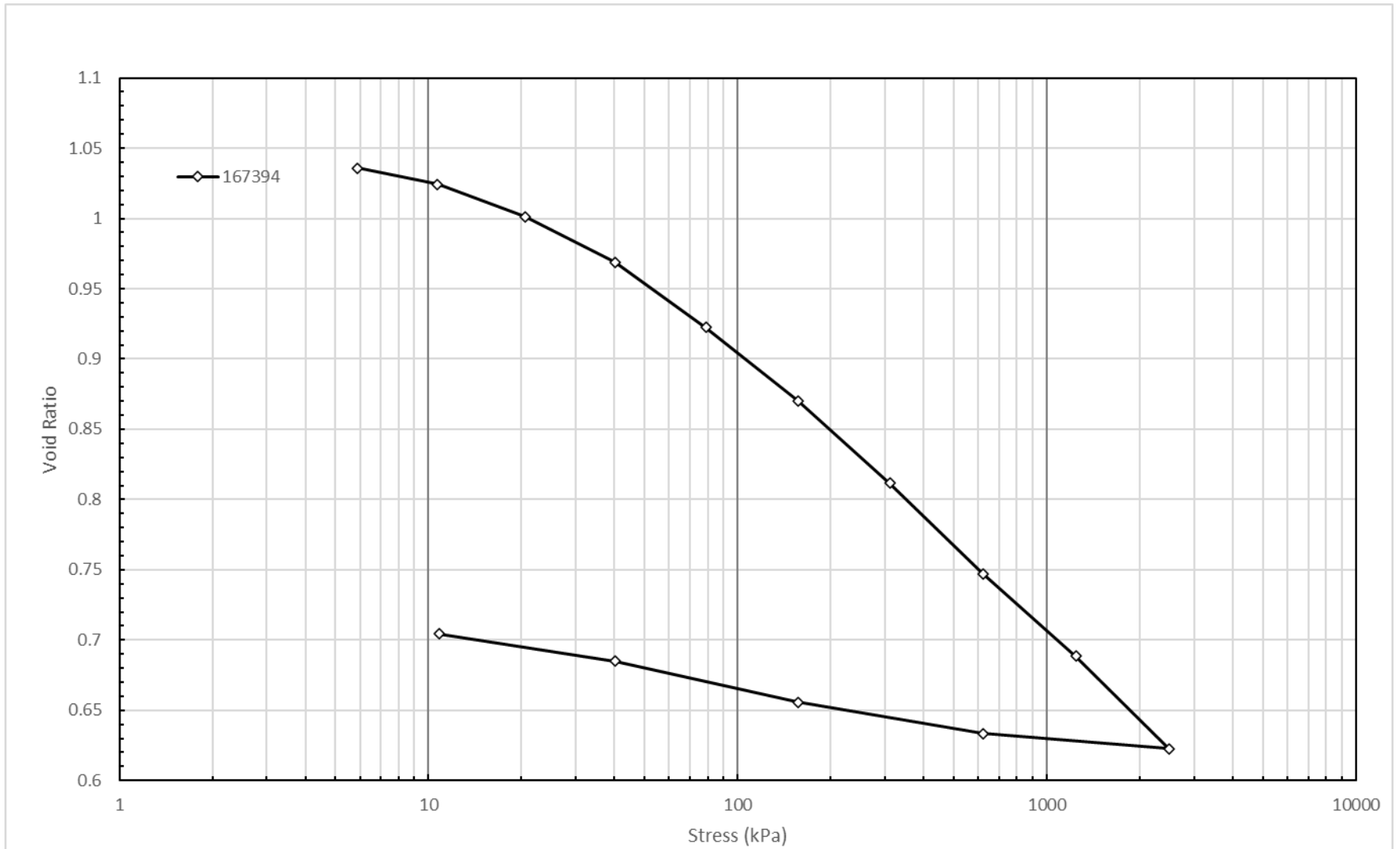
Job No:	Date:	Approved:	Figure No.:
CAPR000801	January 2023	ARB	62



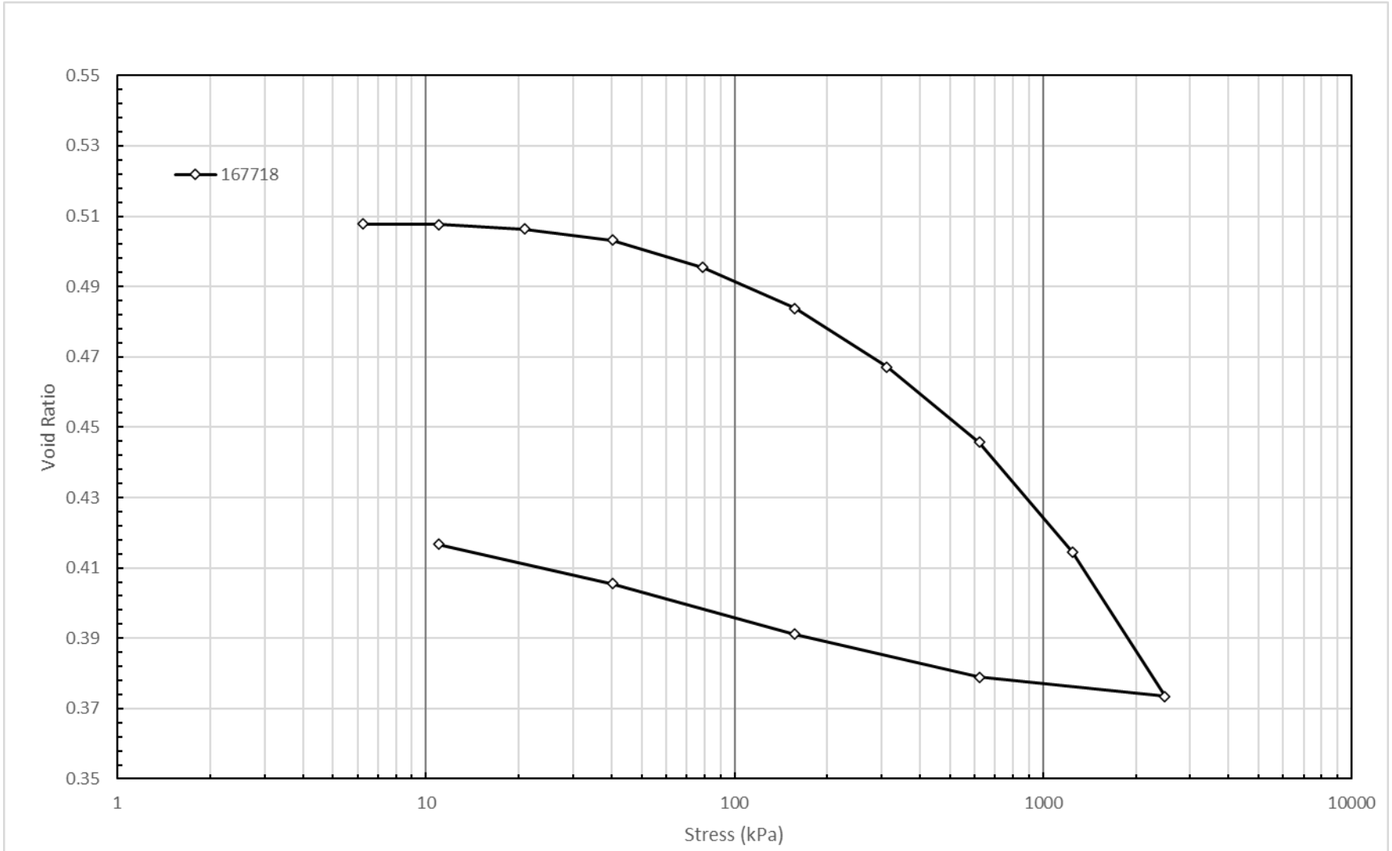
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
		One dimensional consolidation test Sample - 167390
Job No: CAPR000801		*Date:* January 2023 / *Approved:* ARB / *Figure No.:* 63



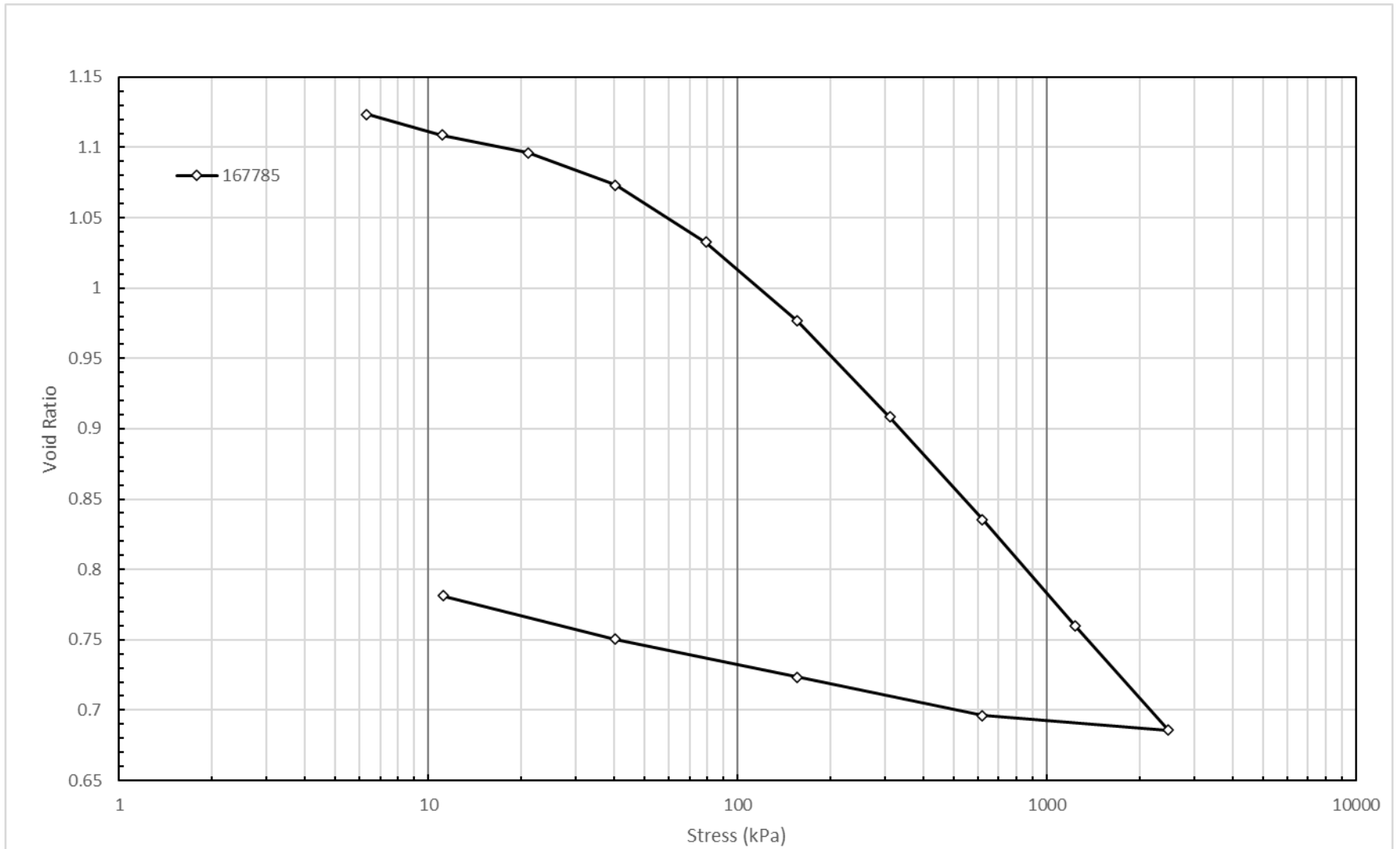
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 167392**
		Date: January 2023 / Approved: ARB / Figure No.: 64



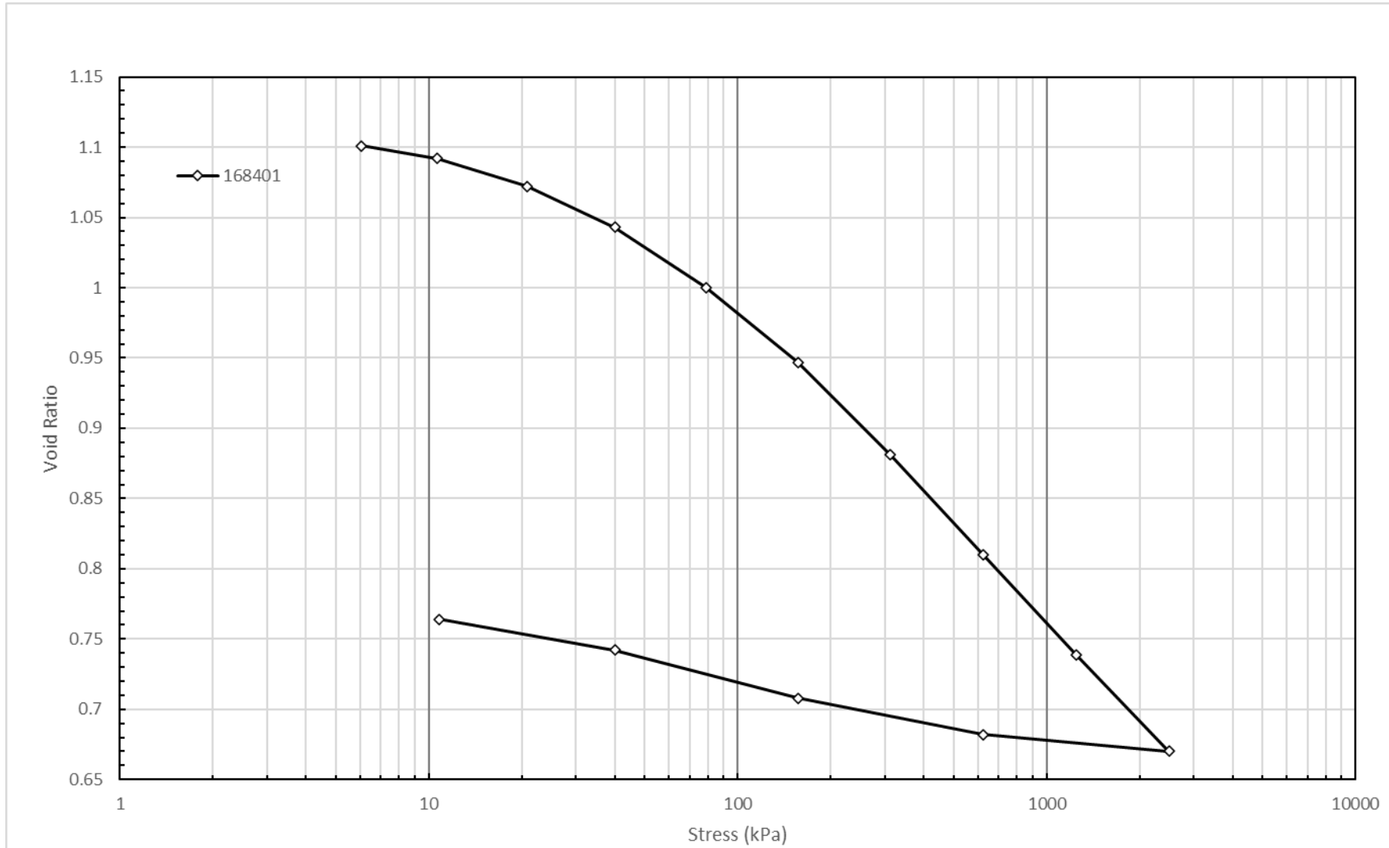
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 167394**
		Date: January 2023 / Approved: ARB / Figure No.: 65



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 167718**
		Date: January 2023 / Approved: ARB / Figure No.: 66



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 167785**
		Date: January 2023 / Approved: ARB / Figure No.: 67



srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		**One dimensional consolidation test Sample - 168401**
		Date: January 2023 / Approved: ARB / Figure No.: 68

Appendix A Borehole Logs

srk consulting

DRILLHOLE ID: SRK22-HG-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 10-Mar-22 **TO:** 10-Mar-22
COORDINATES: 471301.8 E 5408063.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.7
TOTAL DEPTH (m): 30.2
WATER LEVEL (mbgs): 1.12 (measured on March 11, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silty Clay | Organic Soil | Clay | Silt

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
269	0			OH	ORGANIC SOIL (OH) - frozen organics
	1		168204		
268	2		168205		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, soft, moist, grayish brown (10YR 5/2)
267	3				FAT CLAY (CH) - trace sand, high plasticity, very stiff, moist, dark gray (10YR 4/1)
266	4				FAT CLAY (CH) - trace sand, high plasticity, very soft, moist to wet, dark gray (10YR 4/1) ; profile was difficult to determine, drill process may have mixed in pockets of organics
265	5		168206		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, hard, moist, dark gray (10YR 4/1)
264	6		168207		
263	7				FAT CLAY (CH) - trace sand, trace gravel, high plasticity, very soft, moist to wet, dark gray (10YR 4/1)
262	8		168208		
261	9			CH	
260	10				
259	11				
258	12		168209		
257	13				FAT CLAY (CH) - high plasticity, very soft, moist, gray (10YR 5/1) ; contains 1.0-2.0cm layers of alternating very soft gray clay, and less soft dark gray clay
256	14		168210		
255	15				
254	16				
253	17				
252	18		168211		
251	19				
250	20		168212	CL	LEAN CLAY (CL) - high plasticity, very soft, moist, gray (10YR 5/1) ; contains 1.0-2.0cm layers of alternating very soft gray clay, and less soft dark gray

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS[1] ▲
(kPa)
0 15 30 45 60 75 90
19 39
24 48
49 71

SPT Blow Count
N Value[2] ◆
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100
30
18 27
0/1/68/31

Well Installation and Backfill Details
Stick-up (m): 1

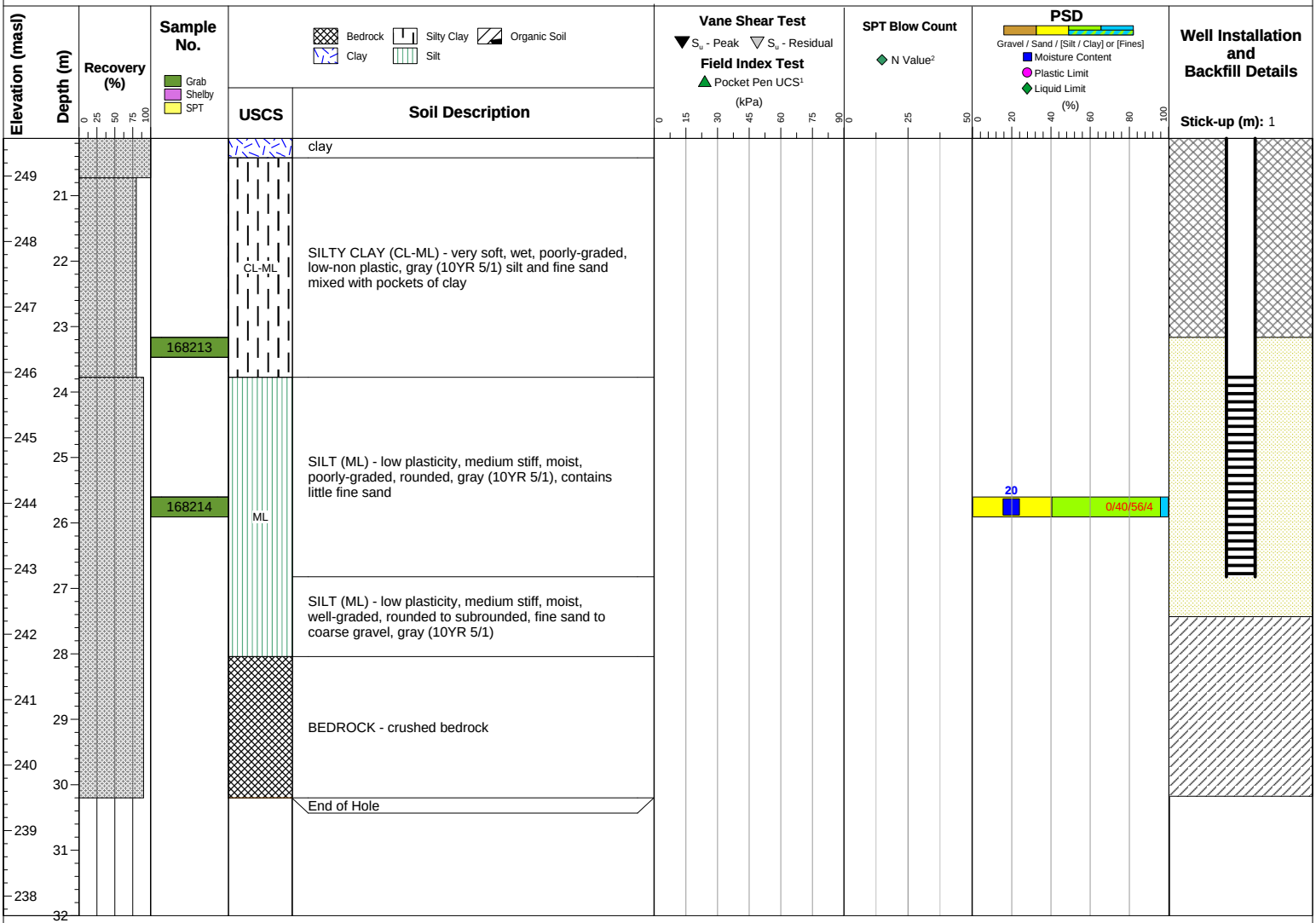
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

Well Installation Details
Sand | PVC | Chips | Screen | Bentonite

DRILLHOLE ID: SRK22-HG-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 10-Mar-22 **TO:** 10-Mar-22
COORDINATES: 471301.8 E 5408063.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.7
TOTAL DEPTH (m): 30.2
WATER LEVEL (mbgs): 1.12 (measured on March 11, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK22-HG-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 02-Mar-22 **TO:** 03-Mar-22
COORDINATES: 471290.8 E 5408643.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.15
TOTAL DEPTH (m): 50.9
WATER LEVEL (mbgs): 0.55 (measured on March 06, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand, Well Graded Gravel

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
269	0			MH	ELASTIC SILT (MH) - organic soil with high plasticity, very soft, moist, black (10YR 2/1)
268	1			CL	LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, stiff, moist, light yellowish brown (10YR 6/4)
267	2				
266	3		167251	CH	FAT CLAY (CH) - lacustrine clay deposited with high plasticity, soft, moist to wet, light yellowish brown (10YR 6/4)
265	4		167252		
264	5				
263	6				
262	7				
261	8				
260	9				
259	10				
258	11				
257	12		167253		
256	13				FAT CLAY (CH) - lacustrine clay deposited high plasticity, very soft, moist to wet, gray (10YR 5/1)
255	14				
254	15				
253	16				
252	17		167254		
251	18				
250	19				
249	20				

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
16 (at 15 kPa), 39 (at 45 kPa)
12 (at 15 kPa), 39 (at 45 kPa)

SPT Blow Count
N Value[2]

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK22-HG-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 02-Mar-22 **TO:** 03-Mar-22
COORDINATES: 471290.8 E 5408643.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.15
TOTAL DEPTH (m): 50.9
WATER LEVEL (mbgs): 0.55 (measured on March 06, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand, Well Graded Gravel

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
249	20				
248	21		167255		
247	22				
246	23				
245	24			SP	POORLY GRADED SAND (SP) - trace fines, medium dense, moist, poorly-graded, fine sand, rounded to subrounded, gray (10YR 5/1)
244	25				WELL-GRADED SAND (SW) - few gravel, loose, moist to wet, well-graded, fine sand to coarse sand, rounded to subrounded, gray (10YR 5/1)
243	26		167256		
242	27			SW	
241	28				WELL-GRADED SAND (SW) - medium dense, moist, well-graded, fine sand to medium sand, rounded to subrounded, gray (10YR 5/1)
240	29				
239	30		167257		
238	31		167258		WELL-GRADED SAND (SW) - some gravel, trace cobbles, medium dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
237	32		167259	ML	SILT (ML) - till deposited with some sand, trace gravel, non-plastic, stiff, dry to moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
236	33				
235	34				SILT (ML) - till deposited with few sand, few gravel, trace cobbles, non-plastic, very stiff, dry, gap-graded, fine sand and fine gravel, subrounded to subangular, dark gray (10YR 4/1)
234	35				
233	36		167260		
232	37				
231	38			GW	WELL-GRADED GRAVEL (GW) - rock and rock powder
230	39				
229	40				SILT (ML) - some sand, little gravel, trace cobbles,

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
33
80

SPT Blow Count
N Value[2]
29
12/14/15

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
6
8/34/43/14

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

DRILLHOLE ID: SRK22-HG-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 02-Mar-22 **TO:** 03-Mar-22
COORDINATES: 471290.8 E 5408643.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.15
TOTAL DEPTH (m): 50.9
WATER LEVEL (mbgs): 0.55 (measured on March 06, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand, Well Graded Gravel

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
228	41			ML	non-plastic, very stiff, dry to moist, well-graded, fine sand to coarse gravel, subangular, gray (10YR 5/1)
227	42		167261	SW	WELL-GRADED SAND (SW) - little gravel, medium dense, moist, well-graded, fine sand to fine gravel, subangular, gray (10YR 5/1)
226	43			SM	SILTY SAND (SM) - till deposited with some sand, few gravel, trace cobbles, non-plastic, hard, dry, gap-graded, fine sand and fine gravel, subrounded to subangular, gray (10YR 5/1)
225	44				
224	45				
223	46		167262		
222	47				BEDROCK - crushed, green bedrock
221	48				
220	49				BEDROCK
219	50				
218	51				End of Hole
	52				

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

PSD: 7 | 8/47/34/12

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK21-LG-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 23-Nov-21 **TO:** 25-Nov-21
COORDINATES: 470416.8 E 5411970.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.97
TOTAL DEPTH (m): 41.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Clay | Silty Clay | Silt | Silty Sand | Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
268	0			ML	SILT (ML) - trace gravel, very soft, moist, low plasticity, brown (10YR 5/3)
	1		167501		SILT (ML) - very soft, moist to wet, non-plastic, black (10YR 2/1) organics
267	2		167502		SILT (ML) - soft, moist, silty clay with low plasticity, yellowish brown (10YR 5/4)
266	3				
265	4		167503		LEAN CLAY (CL) - trace gravel, very soft, moist, medium plasticity, gray (10YR 5/1)
264	5				
263	6		167504		
262	7			CL	
261	8				
260	9				LEAN CLAY (CL) - very soft, moist, medium plasticity, gray (10YR 5/1)
259	10				
258	11		167505		
257	12		167506	SP	POORLY GRADED SAND (SP) - few fines, few gravel, very loose, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
256	13		167507	CL-ML	SILTY CLAY (CL-ML) - trace gravel, very soft, moist to wet, medium plasticity, grayish brown (10YR 5/2)
255	14		167508	ML	SILT (ML) - till deposited with little sand, few gravel, very loose, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
254	15		167509		
253	16				SILTY SAND (SM) - trace fines and cobbles, few gravel, very soft, dry to moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
252	17		167510		
251	18			SM	
250	19				SILTY SAND (SM) - till deposited with few fines, trace gravel, medium dense, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic
249	20		167511		

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
34
8
15
8

SPT Blow Count
N Value²
Refusal
50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
30
0/8/49/43
23
35
28
25
1/10/89
19
24
12
1/40/59
7
1/45/49
8
3/59/38

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-LG-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 23-Nov-21 **TO:** 25-Nov-21
COORDINATES: 470416.8 E 5411970.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.97
TOTAL DEPTH (m): 41.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
248	21			ML	SILT (ML) - till deposited with trace sand, trace gravel, medium stiff, moist, non-plastic, very dark gray (10YR 3/1)
247	22		167512		
246	23		167513		SILT (ML) - till deposited with trace sand, trace gravel, loose, moist, fine sand to coarse gravel, nonplastic, gray (10YR 5/1)
245	24		167514		SILT (ML) - till deposited with trace sand, trace gravel, stiff, moist, non-plastic, very dark gray (10YR 3/1); transitions to sand
244	25		167515		SILT (ML) - till deposited with few sand, trace gravel, very soft, moist, fine sand to fine gravel, non-plastic, gray (10YR 5/1)
243	26		167516		SILT (ML) - till deposited with few sand, trace gravel, stiff, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, non-plastic
242	27			SM	SILTY SAND (SM) - till deposited with trace fines, dense, moist, non-plastic, gray (10YR 5/1)
241	28				
240	29		167517		
239	30			ML	SILT (ML) - till deposited with few sand, trace gravel, very stiff, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
238	31				
237	32		167518		
236	33				SILT (ML) - till deposited with few sand, trace gravel, very stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
235	34				
234	35		167519		
233	36				SILT (ML) - dry and fragmented till deposited with few sand, trace gravel, trace cobbles, soft, dry to moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
232	37		167520		
231	38		167521		BEDROCK - pulverised bedrock
230	39				
229	40				BEDROCK

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Poorly Graded Sand

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²
Refusal

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Depth (m)	PSD
21	8 — 1/38/48/12
23	12 — 0/36/64
24	50 (Refusal)
25	13 — 0/44/56
26	11 — 1/39/61
29	13 — 0/50/49
32	12 — 0/34/51/15

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-LG-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 23-Nov-21 **TO:** 25-Nov-21
COORDINATES: 470416.8 E 5411970.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.97
TOTAL DEPTH (m): 41.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
228	41		167522		End of Hole				Stick-up (m): N/A
227	42								

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Poorly Graded Sand

Sample No.: Grab, Shelby, SPT

Recovery[3] (%): 0, 25, 50, 75, 100

Vane Shear Test: S_u - Peak, S_u - Residual

Field Index Test: Pocket Pen UCS[1] (kPa): 0, 50, 100, 150, 200, 250, 300, 350, 400, 450

SPT Blow Count: N Value[2]: 0, 25, 50

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%): 0, 20, 40, 60, 80, 100

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-LGS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero/Adam Leik

DRILLING DATE: 20-Nov-21 **TO:** 21-Nov-21
COORDINATES: 471373 E 5412363 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.15
TOTAL DEPTH (m): 33.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Silty Sand | Clay

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
270	0			CL	LEAN CLAY (CL) - peat (clay with roots and organic soil) with medium plasticity, soft, moist to wet, homogeneous, black (10YR 2/1)
269	1				
268	2				LEAN CLAY (CL) - lacustrine clay deposited with medium stiffness, moist to wet, medium plasticity, homogeneous, brown (10YR 4/3)
267	3		167801		
266	4		58400, 167802	CH	FAT CLAY (CH) - lacustrine clay deposited with medium stiffness, wet, high plasticity, homogeneous, gray (10YR 5/1)
265	5				FAT CLAY (CH) - lacustrine clay deposited with few gravel, very soft, moist to wet, high plasticity, homogeneous , gray (10YR 5/1)
264	6		167803		
263	7		167805, 167804	ML	
262	8		167806		SILT (ML) - lacustrine silt deposited with some sand, few gravel, trace cobbles, stiff, dry to moist, well-graded, fine sand to coarse sand, subrounded to subangular, low plasticity, lensed, dark gray (10YR 4/1)
261	9				
260	10				
259	11			SM	SILTY SAND (SM) - glaciofluvial sandy silt deposited with small pocket of sand some fines, trace cobbles, trace gravel, medium dense, moist to wet, well-graded, fine sand to fine gravel, subrounded, non-plastic, rapid dilatency, lensed, gray (10YR 5/1)
258	12			CL	LEAN CLAY (CL) - lacustrine silty clay deposited with little sand, little cobbles, stiff, moist to wet, poorly-graded, fine sand to medium sand, subrounded to subangular, low plasticity, lensed, gray (10YR 5/1)
257	13				
256	14				
255	15				SILT (ML) - lacustrine silt deposited with little sand, few gravel, trace cobbles, stiff, moist, poorly-graded, fine sand to medium sand, subangular to angular, low plasticity, lensed, gray (10YR 5/1)
254	16				
253	17				
252	18			ML	
251	19				
250	20				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
245, 125, 57, 245, 98, 392, 343, 392

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-LGS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero/Adam Leik

DRILLING DATE: 20-Nov-21 **TO:** 21-Nov-21
COORDINATES: 471373 E 5412363 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.15
TOTAL DEPTH (m): 33.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Silty Sand | Clay

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
250–249	0–1				SILT (ML) - lacustrine clay and silt deposited with few sand, trace gravel, trace cobbles, very stiff, moist, poorly-graded, fine sand to medium sand, subrounded to subangular, medium plasticity, lensed, dark gray (10YR 4/1)
249–248	1–2		167807		
248–247	2–3				
247–246	3–4				
246–245	4–5			CH	FAT CLAY (CH) - lacustrine silty clay deposited with trace cobbles, trace gravel, medium stiff, moist, medium plasticity, homogeneous, gray (10YR 5/1)
245–244	5–6			CH	
244–243	6–7			CH	FAT CLAY (CH) - lacustrine silty clay deposited with trace sand, very soft, moist, high plasticity, homogeneous, gray (10YR 5/1); no recovery, but description inferred based on the last run and the start of the next run
243–242	7–8			CH	
242–241	8–9			ML	SILT (ML) - glacial till deposited with few sand, hard, dry, non-plastic, slow dilatency, stratified, pulverised, stratified, dark gray (10YR 4/1)
241–240	9–10			ML	
240–239	10–11				
239–238	11–12				BEDROCK - greenish black (10Y 2.5/1) bedrock with white veins
238–237	12–13				
237–236	13–14				
236	14				End of Hole

Vane Shear Test — S_u - Peak, S_u - Residual
Field Index Test — Pocket Pen UCS¹ (kPa)
441
205

SPT Blow Count — N Value²

PSD — Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-LGS-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 20-Nov-21 **TO:** 21-Nov-21
COORDINATES: 470734 E 5410659.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.75
TOTAL DEPTH (m): 31.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
268	0		35234	ML	SILT (ML) - silty clay used as road fill with trace gravel, very soft, moist, low plasticity, dark yellowish brown (10YR 4/4)
267	1		35235		SILT (ML) - very soft, moist, non-plastic, very dark brown (10YR 2/2) organics and rootlets
266	2				
265	3		35236	CL	LEAN CLAY (CL) - trace gravel, very soft, moist, medium plasticity, gray (10YR 6/1)
264	4				
263	5		35237		
262	6				LEAN CLAY (CL) - trace gravel, very soft, moist, medium plasticity, gray (10YR 5/1)
261	7		35238		
260	8				
259	9				LEAN CLAY (CL) - trace gravel, very soft, moist, high plasticity, dark gray (10YR 4/1)
258	10		35239		
257	11		35240	CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, dark gray (10YR 4/1)
256	12				
255	13				
254	14		35241		
253	15				
252	16				
251	17		35242		
250	18		35243	CL	LEAN CLAY (CL) - very soft, moist to wet, high plasticity, dark gray (10YR 4/1); soil description given from the washed soil on the floor and soil type from the previous and next run
249	19				
	20				

Bedrock | Clay | Silt

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250 300 350 400 450
37
14
55
22

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100
27 1/11/50/38 15 26
33 1/5/37/57 18 42
46 0/1/15/84 24 56
40 0/0/36/64 24 16

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-LGS-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 20-Nov-21 **TO:** 21-Nov-21
COORDINATES: 470734 E 5410659.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.75
TOTAL DEPTH (m): 31.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
248	21		35244		
247	22			CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, gray (10YR 5/1); soil description given from the washed soil on the floor and soil type from the previous and next run
246	23		35245		
245	24		35246		
244	25			ML	SILT (ML) - silty clay with very soft, wet, medium plasticity, gray (10YR 5/1)
243	26		35247		
242	27				SILT (ML) - few sand, few gravel, trace cobbles, very soft, wet, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
241	28		35248		
240	29		35249		BEDROCK - very dark gray (10YR 3/1) competent bedrock
239	30				BEDROCK - very dark gray (10YR 3/1) weathered bedrock (schist)
238	31		35250		End of Hole
237	32				

Bedrock, Clay, Silt

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 50, 100, 150, 200, 250, 300, 350, 400, 450

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

21
1/2/86/11

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-LG-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 27-Feb-22 **TO:** 28-Feb-22
COORDINATES: 471539.9 E 5409962.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 266.76
TOTAL DEPTH (m): 38.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Well Graded Gravel
Clay | Well Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
266	0			CH	FAT CLAY (CH) - organic soil with high plasticity, soft, moist, very dark brown (10YR 2/2)
265	1				LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, medium stiffness, moist, yellowish brown (10YR 5/4)
264	2				
263	3				LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, soft, wet, yellowish brown (10YR 5/4)
262	4				
261	5		167382		LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, very soft, moist, light brownish gray (10YR 6/2)
260	6		167383		
259	7				
258	8				
257	9				
256	10				
255	11		167384		
254	12		167385		
253	13			CL	LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, very soft, moist, gray (10YR 5/1)
252	14				
251	15				
250	16				
249	17		167386		
248	18				
247	19				
	20				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250 300 350 400 450
28
10
46
18

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100
22
18
33
3/15/39/43
49
14
47
0/0/28/72

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-LG-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 27-Feb-22 **TO:** 28-Feb-22
COORDINATES: 471539.9 E 5409962.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 266.76
TOTAL DEPTH (m): 38.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Well Graded Gravel
Clay | Well Graded Sand

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
266	0				
246	21				
245	22				
244	23				
243	24				
242	25				
241	26		167387		
240	27			ML	SILT (ML) - silt deposited with low plasticity, very soft, moist to wet, gray (10YR 5/1)
239	28		167388		
238	29				
237	30				
236	31			SW	WELL-GRADED SAND (SW) - some gravel, medium dense, moist to wet, well-graded, gray (10YR 5/1)
235	32		167389	GM	SILTY GRAVEL (GM) - non-plastic, medium dense, dry to moist, gray (5Y 5/1)
234	33			ML	SILT (ML) - till deposited with low plasticity, medium stiff, dry to moist, gray (5Y 5/1) ; no recovery, but description inferred based on the last run and the start of the next run
233	34				
232	35			GW	WELL-GRADED GRAVEL (GW) - dry, gray (10YR 6/1) weatheared Rock
231	36				
230	37				BEDROCK - dry, gray (10YR 5/1)
229	38				
228	39				End of Hole
227	40				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
33
9

SPT Blow Count
N Value[2]

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
16 — 0/17/74/9
17 — 0/15/76/9
10 — 76/12/10/2

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-LG-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 20-Feb-22 **TO:** 21-Feb-22
COORDINATES: 471394 E 5412015 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.78
TOTAL DEPTH (m): 38.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silt; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil; Boulder

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
268	0			OH	ORGANIC SOIL (OH)
267	1–2		167132	CL	LEAN CLAY (CL) - high plasticity, soft, moist, pale brown (10YR 6/3)
266	2–3			CH	FAT CLAY (CH) - trace gravel, high plasticity, soft, moist, gray (10YR 5/1)
265	3–4		167133		
264	4–5		167134		FAT CLAY (CH) - trace gravel, high plasticity, medium stiff, dry to moist, dark gray (10YR 4/1)
263	5–6				BOULDER - rock layer
262	6–7			ML	SILT (ML) - very stiff silt with trace sand, few gravel, few cobbles, non-plastic, dry, gap-graded, fine sand and coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
261	7–8		167135		
260	8–9				
259	9–10				
258	10–11				
257	11–12				
256	12–13		167136		SILT (ML) - little gravel, few cobbles, trace sand, non-plastic, hard, dry, well-graded, fine sand to coarse gravel, dark gray (10YR 4/1)
255	13–14				
254	14–15				
253	15–16		167137		SILT (ML) - trace sand, non-plastic, stiff, dry, very dark brown (10YR 2/2)
252	16–17				SILT (ML) - trace sand, non-plastic, very stiff, dry, gray (10YR 5/1)
251	17–18		167138		
250	18–19			SM	SILTY SAND (SM) - some fines, non-plastic, medium dense, moist, poorly-graded, fine sand, rounded, gray (10YR 5/1)
249	19–20		167139		

Vane Shear Test: 57 / 44 at ~6 m

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-LG-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 20-Feb-22 **TO:** 21-Feb-22
COORDINATES: 471394 E 5412015 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.78
TOTAL DEPTH (m): 38.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silt; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil; Boulder

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
268.78	0				
248	21		167140		
247	22				
246	23		167141	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - silty sand with few fines, non-plastic, medium dense, moist, poorly-graded, fine sand to medium sand, rounded, gray (10YR 5/1)
245	24		167142		
244	25				
243	26		167143	SW	WELL-GRADED SAND (SW) - loose sandy gravel with few gravel, trace fines, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
242	27		167144	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - silty sand with few fines, non-plastic, medium dense, moist to wet, poorly-graded, fine sand to medium sand, rounded, gray (10YR 5/1)
241	28		167145	SP	POORLY GRADED SAND (SP) - trace fines, trace gravel, trace cobbles, medium dense, moist to wet, gap-graded, fine sand and coarse gravel, rounded to subrounded, gray (10YR 5/1)
240	29		167146	ML	SILT (ML) - silty till deposited with few sand, few gravel, trace cobbles, non-plastic, medium stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
239	30				
238	31				
237	32		167147	SW	WELL-GRADED SAND (SW) - medium dense, moist to wet, well-graded, fine sand to coarse sand, rounded, gray (10YR 5/1)
236	33		167148		
235	34				
234	35		167149	GW	WELL-GRADED GRAVEL (GW) - few sand, trace fines, trace cobbles, loose, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 6/1)
233	36				BEDROCK - dark gray (10YR 4/1)
232	37				
231	38		167150		End of Hole
230	39				
229	40				

SPT Blow Count: 27 (3/6/21); 33 (10/14/19); 10 (2/2/8); 14 (6/8/6)

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-LG-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 07-Mar-22 **TO:** 08-Mar-22
COORDINATES: 470922.8 E 5409700 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.46
TOTAL DEPTH (m): 25.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
268	0			OH	ORGANIC SOIL (OH) - wet
	1		167268		
267			167269		
	2			CH	FAT CLAY (CH) - high plasticity, very soft, moist to wet, gray (5Y 5/1)
266					
	3				
265					
	4				FAT CLAY (CH) - high plasticity, very soft, moist, dark gray (10YR 4/1)
264			167270		
	5				
263			167271		
	6				
262					
	7				
261			167272		
	8			CL	LEAN CLAY (CL) - trace sand, medium plasticity, very soft, moist, dark gray (10YR 4/1)
260					
	9				
259					
	10				
258			167273		
	11				
257			167274		
	12				
256					
	13				
255					
	14				
254					
	15				
253			167275		
	16			CH	FAT CLAY (CH) - high plasticity, very soft, moist, gray (10YR 5/1)
252					
	17				
251					
	18				
250					
	19				
249			167276		
	20				

Bedrock | Clay | Organic Soil

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250 300 350 400 450
31
19
50
22
75

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100
32
0/5/48/47
18 20
33
0/6/41/53
17 39

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

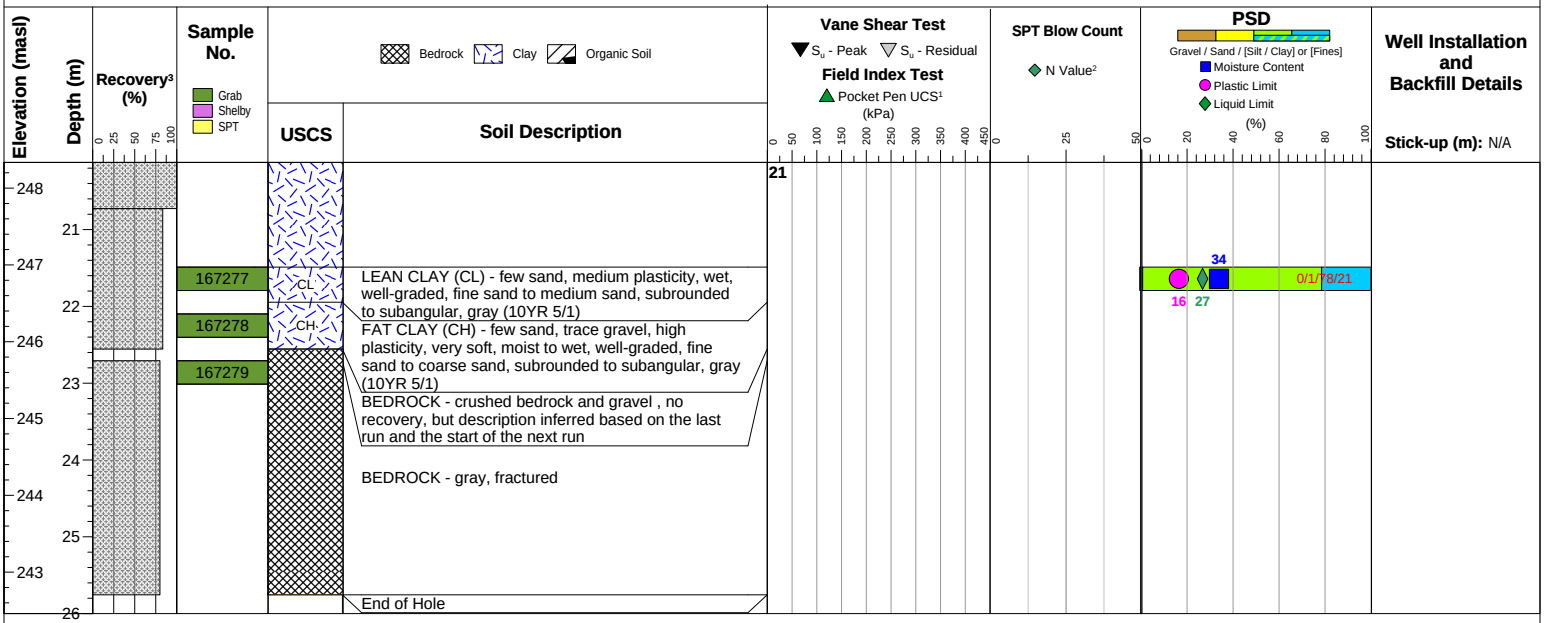
Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-LG-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 07-Mar-22 **TO:** 08-Mar-22
COORDINATES: 470922.8 E 5409700 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.46
TOTAL DEPTH (m): 25.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for LG-BH-04 and LGS-BH-08 are interpreted from drill core photos

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-NWR-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kyle Scale

DRILLING DATE: 13-Nov-21 **TO:** 15-Nov-21
COORDINATES: 472323.7 E 5412704.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 278.12
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
278	0			CL	LEAN CLAY (CL) - little sand, soft, moist, poorly-graded, fine sand to medium sand, subrounded to subangular, low plasticity, very dark gray (10YR 3/1)
			35269		
277	1		35270		
			35271	ML	SILT (ML) - some sand, very stiff, dry to moist, poorly-graded, fine sand, subrounded to subangular, non-plastic, white (10YR 8/1)
276	2				
275	3				
			35272		SILT (ML) - few sand, very soft, moist, poorly-graded, fine sand, subrounded to subangular, non-plastic, gray (10YR 6/1)
274	4			CH	FAT CLAY (CH) - trace sand, trace gravel, medium stiffness, moist, medium plasticity, gray (10YR 5/1)
			35273		
273	5				
			35274		SILT (ML) - cohesive silty till deposited with little sand, few gravel, trace cobbles, hard, moist, well-graded, fine sand to coarse gravel, subrounded, non-plastic, gray (10YR 5/1)
272	6		35275		
271	7				
270	8				
269	9				SILT (ML) - little sand, few gravel, trace cobbles, hard, moist, well-graded, fine sand to coarse gravel, subrounded, low plasticity, gray (10YR 5/1)
268	10				
			35276		
267	11				
			35277		SILT (ML) - little sand, trace gravel, trace cobbles, soft, moist, poorly-graded, fine sand to fine gravel, subrounded, non-plastic, gray (10YR 5/1), with less gravel than layer above
266	12				
265	13				
			35278		
264	14				
			35279	ML	SILT (ML) - little sand, trace gravel, soft, moist, poorly-graded, fine sand to fine gravel, subrounded, non-plastic, gray (10YR 5/1)
263	15				
262	16				
261	17		35280		
260	18				
259	19				SILT (ML) - silty till deposited with little sand, few gravel, hard, moist, well-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, dark
258	20				

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa) — 213, 390, 404
SPT Blow Count: N Value[2] — 27, 5/11/16
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)
Well Installation and Backfill Details — Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details: Sand, PVC, Chips, Screen, Bentonite

DRILLHOLE ID: SRK21-NWR-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kyle Scale

DRILLING DATE: 13-Nov-21 **TO:** 15-Nov-21
COORDINATES: 472323.7 E 5412704.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 278.12
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
258	20		35281		gray (10YR 4/1)
257	21				SILT (ML) - little sand, few gravel, hard, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, dark gray (10YR 4/1)
256	22				
255	23		35282		
254	24		35283	SP	POORLY GRADED SAND (SP) - some fines, very loose, moist, poorly-graded, fine sand to coarse sand, subrounded, non-plastic, gray (10YR 5/1)
			35284		
253	25				SILT (ML) - few sand, trace gravel, hard, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, low plasticity, dark gray (10YR 4/1)
252	26		35285		
251	27				SILT (ML) - silty till deposited with little sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to fine gravel, subrounded, non-plastic, gray (10YR 5/1)
250	28				
249	29		35286		
248	30			ML	SILT (ML) - little sand, trace gravel, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
247	31		35287		
			35288		
246	32		35289		SILT (ML) - little sand, soft, moist, poorly-graded, fine sand to coarse sand, subrounded, non-plastic, gray (10YR 5/1)
245	33				SILT (ML) - little sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to fine gravel, rounded to subrounded, non-plastic, gray (10YR 5/1)
244	34				
243	35		35290		
242	36				
241	37		35292	SP	POORLY GRADED SAND (SP) - silty sand deposited with some fines, very loose, moist, poorly-graded, fine sand to medium sand, subrounded, non-plastic, gray (10YR 5/1)
240	38			ML	SILT (ML) - little sand, medium stiff, moist, poorly-graded, fine sand to coarse sand, subrounded, low plasticity, gray (10YR 5/1)
			35291		
239	39		35293		
238	40				

Bedrock, Silt, Poorly Graded Sand, Clay

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
660
646

SPT Blow Count
N Value[2]
40
5/18/22

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK21-NWR-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kyle Scale

DRILLING DATE: 13-Nov-21 **TO:** 15-Nov-21
COORDINATES: 472323.7 E 5412704.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 278.12
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Poorly Graded Sand | Clay

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
237	41		35294	CL	LEAN CLAY (CL) - silty clay with trace sand, trace gravel, soft, moist, medium plasticity, gray (10YR 5/1)
236	42				
235	43				LEAN CLAY (CL) - trace sand, trace gravel, soft, moist, medium plasticity, gray (10YR 5/1)
234	44		35295	ML	SILT (ML) - silty till deposited with few sand, few gravel, very stiff, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
233	45				SILT (ML) - few sand, trace gravel, very soft, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, low plasticity, gray (10YR 5/1); no recovery
232	46		35296		
231	47			SP	POORLY GRADED SAND (SP) - silty sand with little fines, very loose, moist to wet, poorly-graded, fine sand to medium sand, subrounded, non-plastic, gray (10YR 6/1); no recovery
				CL	LEAN CLAY (CL) - silty clay with few sand, soft, moist, poorly-graded, fine sand to medium sand, subrounded, medium plasticity, gray (10YR 5/1); no recovery
230	48		35297	SP	POORLY GRADED SAND (SP) - silty sand with little fines, very loose, moist to wet, poorly-graded, fine sand to medium sand, subrounded, non-plastic, gray (10YR 6/1)
229	49		35298	ML	SILT (ML) - silty clay with few sand, very soft, moist, poorly-graded, fine sand to coarse sand, subrounded, medium plasticity, gray (10YR 5/1)
228	50		35299		POORLY GRADED SAND (SP) - silty sand with few fines, very loose, moist to wet, poorly-graded, fine sand to coarse sand, subrounded, non-plastic, gray (10YR 5/1)
227	51		35300	SP	SILT (ML) - silty clay with few sand, very soft, moist, poorly-graded, fine sand to coarse sand, subrounded, medium plasticity, gray (10YR 5/1)
226	52		58235	ML	SILT (ML) - silty clay with few sand, very soft, moist, poorly-graded, fine sand to coarse sand, subrounded, medium plasticity, gray (10YR 5/1); no recovery
225	53		58236	CL	LEAN CLAY (CL) - silty clay with few sand, soft, moist, poorly-graded, fine sand to medium sand, subrounded, medium plasticity, dark gray (10YR 4/1); no recovery
224	54		58237	ML	SILT (ML) - silty sand with little sand, very soft, moist to wet, poorly-graded, fine sand to coarse sand, subrounded, low plasticity, gray (10YR 5/1); no recovery
223	55		58238		SILT (ML) - silty till deposited with little sand, few gravel, hard, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1); no recovery
222	56				BEDROCK - black (10YR 2/1) weathered bedrock and fractured schist
221	57		58239		
					End of Hole
220	58				
219	59				
	60				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0 100 200 300 400 500 600 700

SPT Blow Count
N Value[2]
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

1 1/1/-**

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details
Sand | PVC | Chips | Screen
Bentonite

srk consulting

DRILLHOLE ID: SRK21-NWR-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 09-Nov-21 **TO:** 11-Nov-21
COORDINATES: 472425 E 5411995.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.73
TOTAL DEPTH (m): 44.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
275	0			OH	ORGANIC SOIL (OH)
	1		36246	CL	LEAN CLAY (CL) - some sand, medium stiff, dry to moist, poorly-graded, low plasticity, brown (10YR 5/3); with pocket of organcis
274	2				
273	3		36247	CH	FAT CLAY (CH) - some sand, medium stiff, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, medium plasticity, yellowish brown (10YR 5/4) light gray
272	4				
271	5		36248	CL	LEAN CLAY (CL) - some sand, trace gravel, very soft, moist, poorly-graded, fine sand, high plasticity, dark gray (10YR 4/1); last 0.9m disturbed by vane test
270	6		36249		
269	7				FAT CLAY (CH) - little sand, trace gravel, trace cobbles, very soft, moist, poorly-graded, high plasticity, dark gray (10YR 4/1)
268	8		36250		
267	9				
266	10				FAT CLAY (CH) - little sand, trace gravel, very soft, moist, poorly-graded, fine sand to medium sand, subrounded, high plasticity, grayish brown (10YR 5/2)
			35251		
265	11				
264	12		35252	CH	FAT CLAY (CH) - little sand, trace gravel, very soft, moist, poorly-graded, fine sand to medium sand, subrounded, high plasticity, lighter gray (10YR 5/1)
263	13				
			35253		
262	14				
261	15				
260	16				
259	17		35254		FAT CLAY (CH) - little sand, trace cobbles, very soft, moist to wet, poorly-graded, subrounded, high plasticity, gray (10YR 5/1)
258	18				
			35255		
257	19				
256	20				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400, 500, 600, 700
57
34

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
17
14
24
12/19/48/22

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

DRILLHOLE ID: SRK21-NWR-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 09-Nov-21 **TO:** 11-Nov-21
COORDINATES: 472425 E 5411995.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.73
TOTAL DEPTH (m): 44.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
255	21		35256	CL	LEAN CLAY (CL) - little gravel, trace cobbles, soft, moist to wet, low plasticity, gray (10YR 5/1)
254	22				
253	23				
252	24		35257	SM	SILTY SAND (SM) - little fines, few gravel, medium dense, moist, medium sand to coarse sand, subangular, medium plasticity, very dark gray (10YR 3/1)
251	25		35258		SILTY SAND (SM) - little fines, few gravel, loose, moist to wet, well-graded, medium sand to coarse sand, subrounded to subangular, non-plastic, gray (10YR 5/1)
250	26		35259		
249	27		35260	ML	SILT (ML) - trace deposited with sand, few gravel, trace cobbles, medium stiff, moist to wet, non-plastic, gray (10YR 5/1)
248	28				
247	29		35261		
246	30		35262		SILT (ML) - trace deposited with sand, little gravel, trace cobbles, stiff, dry to moist, low plasticity, dark gray (10YR 4/1)
245	31				
244	32		35263		
243	33				
242	34				
241	35		35264		SILT (ML) - little sand, few gravel, trace cobbles, very stiff, dry to moist, pulvizered, well-graded, fine sand to coarse sand, subangular, non-plastic, very dark gray (10YR 3/1)
240	36				
239	37				
238	38		35265		
237	39				
236	40		35266		

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400, 500, 600, 700

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

14 — 16/36/48
15 — 11/77/12
17 — 0/39/58/3
34 — 25/14/20
20 — 0/46/54
50 — Refusal
8 — 15/28/58
7 — 7/37/47/10

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

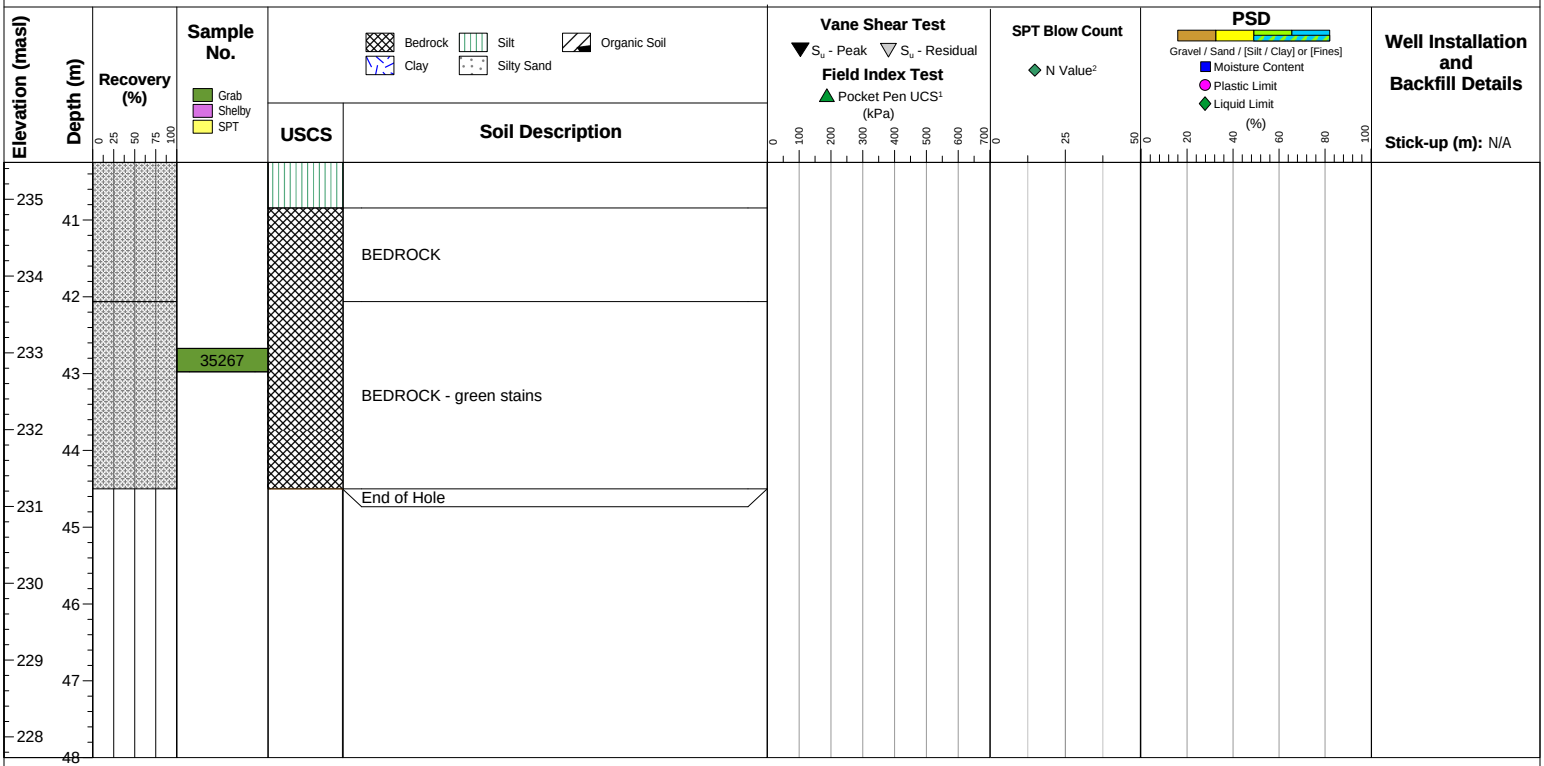
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-NWR-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 09-Nov-21 **TO:** 11-Nov-21
COORDINATES: 472425 E 5411995.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.73
TOTAL DEPTH (m): 44.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-NWR-BH-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 07-Nov-21 **TO:** 09-Nov-21
COORDINATES: 472647.8 E 5410443.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.96
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
270	0–1			OH	ORGANIC SOIL (OH) - roots
269	1–2			OH	
268	2–3		36222	OH	ORGANIC SOIL (OH) - few sand, very soft, moist; majority is organics
267	3–4		36223	CH	FAT CLAY (CH) - few sand, trace gravel, few cobbles, medium stiffness, dry to moist, well-graded, fine sand to coarse gravel, high plasticity, gray (10YR 6/1)
266	4–5			CH	
265	5–6		36224	CH	FAT CLAY (CH) - little sand, few gravel, soft, moist, well-graded, fine sand to coarse sand, subrounded to subangular, high plasticity, gray (10YR 5/1)
264	6–7			CH	
263	7–8		36225	CL	LEAN CLAY (CL) - some sand, trace gravel, soft, wet, well-graded, fine sand to coarse sand, medium plasticity, light olive brown (2.5Y 5/3)
262	8–9		36226	CH	FAT CLAY (CH) - some sand, few gravel, trace cobbles, soft, moist, poorly-graded, fine sand to medium sand, high plasticity, gray (10YR 5/1)
261	9–10		36227	CH	
260	10–11		36228	CH	FAT CLAY (CH) - little sand, trace gravel, very soft, moist, poorly-graded, high plasticity, gray (10YR 5/1)
259	11–12			CH	
258	12–13			CH	
257	13–14		36229	CH	
256	14–15		36230	CH	
255	15–16			CH	
254	16–17		36231	CH	FAT CLAY (CH) - few sand, very soft, moist, poorly-graded, fine sand, rounded, high plasticity, gray (10YR 5/1)
253	17–18		36233	CH	
252	18–19			CH	
251	19–20		36232	CH	

Bedrock; Clay; Well Graded Sand; Well Graded Sand with Silt; Poorly Graded Sand; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400, 500, 600, 700

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

DRILLHOLE ID: SRK21-NWR-BH-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 07-Nov-21 **TO:** 09-Nov-21
COORDINATES: 472647.8 E 5410443.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.96
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Well Graded Sand; Well Graded Sand with Silt; Poorly Graded Sand; Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
250	21				
249	22				FAT CLAY (CH) - few sand, trace gravel, very soft, moist, poorly-graded, fine sand, rounded to subrounded, high plasticity, gray (10YR 5/1)
248	23		36234		
247	24				
246	25				
245	26		36235		FAT CLAY (CH) - few sand, trace gravel, soft, moist, poorly-graded, fine sand, rounded to subrounded, high plasticity, lighter gray (10YR 5/1)
244	27				
243	28		36236		FAT CLAY (CH) - few sand, trace gravel, medium dense, very soft, moist, poorly-graded, fine sand, rounded to subrounded, high plasticity, gray (10YR 5/1)
242	29				
241	30		36237		POORLY GRADED SAND (SP) - some fines, medium dense, moist to wet, poorly-graded, fine sand to medium sand, subrounded to subangular, medium plasticity, gray (10YR 5/1)
			36238		
240	31				
239	32				
238	33				
237	34			SP	POORLY GRADED SAND (SP) - some fines, medium dense, loose, very soft, moist to wet, poorly-graded, fine sand to medium sand, subrounded to subangular, medium plasticity, gray (10YR 5/1); no recovery from 29.9-36.0m
236	35				
235	36				
234	37				
233	38				
232	39		36239		POORLY GRADED SAND (SP) - little fines, loose, moist to wet, poorly-graded, fine sand, rounded to subrounded, non-plastic, gray (10YR 5/1)
231	40				

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0 100 200 300 400 500 600 700

SPT Blow Count
N Value[2]
0 25 50
4
2/2/2

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-NWR-BH-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 07-Nov-21 **TO:** 09-Nov-21
COORDINATES: 472647.8 E 5410443.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.96
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Well Graded Sand | Poorly Graded Sand
Clay | Well Graded Sand with Silt | Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
270	41		36240	SW	WELL-GRADED SAND (SW) - little fines, few gravel, trace cobbles, loose, moist to wet, well-graded, fine sand to coarse gravel, subangular to angular, high plasticity, gray (10YR 5/1)
229	42		36241		
			36242	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - little gravel, few fines, few cobbles, medium dense, moist, well-graded, fine sand to coarse gravel, angular, non-plastic, gray (10YR 5/1)
228	43				
227	44		36243	SP	POORLY GRADED SAND (SP) - till deposited with little fines, few gravel, dense, dry to moist, poorly-graded, fine sand to coarse sand, subrounded to subangular, low plasticity, gray (10YR 6/1)
226	45				
225	46			SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - pulzivered till deposited with some gravel, few fines, few cobbles, very dense, dry, well-graded, fine sand to coarse gravel, angular, non-plastic, dark gray (N 4/)
224	47		36244		
223	48				
222	49				BEDROCK - light gray to dark gray, green
221	50		36245		
220	51				End of Hole
219	52				

SPT Blow Count: 50 — Refusal

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for NWR-BH-01 are interpreted from drill core photos
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 17-Oct-21 **TO:** 18-Oct-21
COORDINATES: 472651.1 E 5409254.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.5
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
270	0			OH	ORGANIC SOIL (OH)
	1		58452		FAT CLAY (CH) - stiff, moist, high plasticity, brownish gray (10YR 6/1)
269	2			CH	FAT CLAY (CH) - soft, moist to wet, high plasticity, light brownish gray (10YR 7/1)
268	3				
267	4		58453		
266					LEAN CLAY WITH SAND (CL) - few sand, trace gravel, trace cobbles, hard, moist, well-graded, fine sand to fine gravel, subrounded to subangular, medium plasticity, brownish gray (10YR 6/1)
265	5		58454		
	6				LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, high plasticity, gray (5Y 5/1)
264	7				
263	8		58455	CL	
262	9		58459		
261	10				
260			58456		
259	11				
258	12				
257	13		58457	GW	WELL-GRADED GRAVEL (GW) - little fines, trace sand, moist to wet, high plasticity, gray (5Y 5/1)
256	14		58458		
255	15		58460	CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, gray (5Y 5/1)
254	16		58461		
253	17				
252	18				
251	19				
	20		58462		

Vane Shear Test: 38, 18, 63, 24
PSD: 19 (17, 29) 3/17/49/32; 24 (16, 29); 24 (14, 20) 0/17/47/37; 23 (15, 26) 0/0/20/80; 53 (29, 60) 0/0/20/80

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 17-Oct-21 **TO:** 18-Oct-21
COORDINATES: 472651.1 E 5409254.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.5
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
270–248	0–23		58463	CL	LEAN CLAY (CL) - very soft, moist to wet, high plasticity, gray (5Y 5/1), layering of dark and light clay
248–244	23–26		58464	SW	WELL-GRADED SAND (SW) - trace fines, trace gravel, trace cobbles, very loose, wet, well-graded, fine sand to fine gravel, subangular, gray (N 6/)
244–241	26–29		58465, 58466	SP	POORLY GRADED SAND (SP) - trace fines, medium dense, moist to wet, poorly-graded, fine sand to medium sand, gray (N 6/)
241–240	29–30		58467	SM	SILTY SAND (SM) - little fines, trace gravel, medium dense, moist to wet, poorly-graded, fine sand, non-plastic, gray (N 6/)
240–239	30–32		58468, 58469	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, trace gravel, very loose, wet, poorly-graded, fine sand to coarse sand, subangular to angular, non-plastic, gray (N 6/); contains pocket of predominantly coarse sand from 32.0-32.2m
238–237	32–33		58470	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, medium dense, moist to wet, poorly-graded, fine sand, non-plastic, gray (N 6/)
237–235	33–35		58471, 58472	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, trace gravel, trace cobbles, medium dense, moist to wet, poorly-graded, fine sand, subrounded to subangular, non-plastic, gray (N 6/)
235–232	35–38		58473, 58474	CH	FAT CLAY (CH) - fractured till deposited with some sand, few gravel, trace cobbles, hard, dry to moist, well-graded, fine sand to fine gravel, subangular, high plasticity, dark greenish gray (10Y 4/1)
232–231	38–39		58475		

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²: 0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]: 0, 20, 40, 60, 80, 100
Moisture Content
Plastic Limit
Liquid Limit (%)

Depth (m)	SPT N Value²	PSD (Gravel / Sand / [Silt / Clay] or [Fines])
23		33; 20; 36; 0/0/67/33
26		13; 11/72/15/2
27	48; 16/27/21	
29		16
30	1; 1/1/0**	16
33	50; Refusal	
35		11; 7/45/46/2
36	50; Refusal	16
38		
39	50; Refusal	11; 2/44/43/9

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 17-Oct-21 **TO:** 18-Oct-21
COORDINATES: 472651.1 E 5409254.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.5
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
230	41		58476	SW	WELL-GRADED SAND (SW) - trace gravel, trace fines, very loose, moist to wet, well-graded, fine sand to coarse sand, subangular; dark gray, matrix of sand grain characteristics
229	42		58477		
228	43		58478	SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, medium dense, moist to wet, poorly-graded, fine sand, non-plastic, gray (N 6/); rock found at 42.1-42.5m
227	44				
226	45		58479		
225	46		58480	SW	WELL-GRADED SAND (SW) - some fines, medium dense, fragmented, dry to moist, well-graded, fine sand to coarse sand, medium plasticity, bluish black (10B 2.5/1)
224	47		58481		BEDROCK - white with black vein
223	48				
222	49				End of hole
221	50				
220	51				
219	52				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²: 0, 25, 50
Refusal
50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%): 0, 20, 40, 60, 80, 100
10
7
36/34/30
9
33/41/26

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 02-Nov-21 **TO:** 03-Nov-21
COORDINATES: 472612.9 E 5409625.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.9
TOTAL DEPTH (m): 43.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Clay; Silty Sand with Gravel; Well Graded Sand; Organic Soil

Sample No. (Grab, Shelby, SPT)

Recovery³ (%)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Sample No.	USCS	Soil Description
270	0–1	58326	OL	ORGANIC CLAY (OL)
269–268–267	1–4		CH	FAT CLAY (CH) - some sand, trace gravel, soft, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, high plasticity
267	4	58327	OH	ORGANIC SOIL (OH) - contains pocket of organics
266	5	58328	CL-ML	SILTY CLAY(CL-ML) - some sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, high plasticity, yellowish brown (10YR 5/6)
265–264–263–262–261–260–259–258–257–256–255–254–253–252–251	6–20	58329, 58330, 58331, 58332, 58333, 58334, 58335	CH	FAT CLAY (CH) - few gravel, trace cobbles, very soft, moist, high plasticity, gray (10YR 5/1)

Vane Shear Test: 32 / 16 (at ~10 m); 34 / 11 (at ~15 m)

PSD: 20 / 16 23 / 2/11/65/22; 25 / 19 25 / 1/4/77/18; 22 / 15 25 / 5/17/47/31; 51 / 26 53 / 0/0/28/72

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 02-Nov-21 **TO:** 03-Nov-21
COORDINATES: 472612.9 E 5409625.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.9
TOTAL DEPTH (m): 43.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Clay; Silty Sand with Gravel; Well Graded Sand; Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
250	21				
249	22				
248	23		58336		
247	24				
246	25				LEAN CLAY (CL) - very soft, moist, medium plasticity, gray (10YR 5/1)
245	26		58337		
244	27			CL	
243	28				
242	29				LEAN CLAY (CL) - loose, soft, moist to wet, medium plasticity, dark gray (10YR 4/1)
241	30		58338		
240	31				
			58339	SW	WELL-GRADED SAND (SW) - some fines, little gravel, medium dense, moist, well-graded, fine sand to coarse sand, subangular, non-plastic, gray (10YR 5/1)
239	32				
238	33		58340		
237	34			CL	SANDY LEAN CLAY (CL) - till deposited with some gravel, few fines, trace cobbles, dense, dry to moist, well-graded, fine sand to fine gravel, angular, non-plastic, light gray (N 7/)
236	35		58341		
235	36				
234	37			SW	WELL-GRADED SAND (SW) - till deposited with some gravel, few fines, trace cobbles, very dense, very stiff, dry, well-graded, fine sand to fine gravel, angular, non-plastic, dark gray (N 4/)
233	38		58342		
232	39				
			58343	SM	SILTY SAND WITH GRAVEL (SM) - little gravel, few fines, medium dense, moist, well-graded, angular,
231	40				

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 20 40 60 80 100

25-Plastic Limit: 15, 24
25-Moisture Content: 30
26-Plastic Limit: 18, 28
26-Moisture Content: 28
26-Gravel / Sand / [Silt / Clay] or [Fines]: 0/2/75/24
35-Moisture Content: 8
35-Gravel / Sand / [Silt / Clay] or [Fines]: 8/33/46/12
40-Moisture Content: 7
40-Gravel / Sand / [Silt / Clay] or [Fines]: 3/41/56

Well Installation and Backfill Details
Stick-up (m): N/A

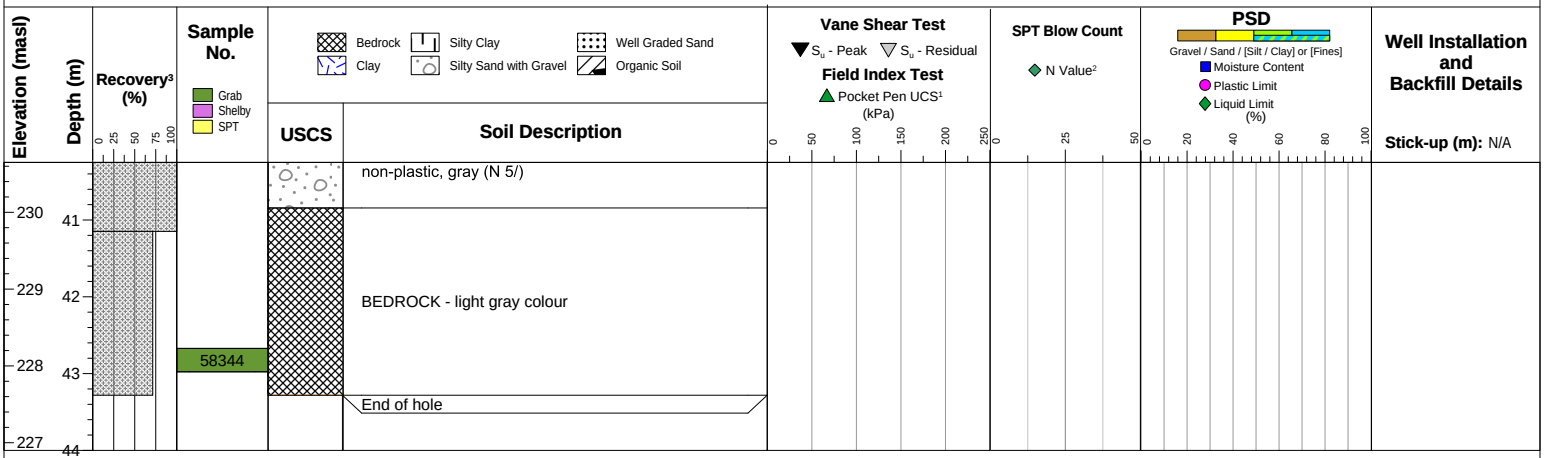
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BD-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 02-Nov-21 **TO:** 03-Nov-21
COORDINATES: 472612.9 E 5409625.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.9
TOTAL DEPTH (m): 43.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 30-Sep-21 **TO:** 02-Oct-21
COORDINATES: 473627.5 E 5409757.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.7
TOTAL DEPTH (m): 36.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silty Sand | Organic Soil
Clay | Silty Gravel | Silty Clayey Sand
Silt

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
277	0 – 1			OH	ORGANIC SOIL (OH) - peat
276	1 – 2		36186		
275	2 – 3			ML	SILT (ML) - trace sand, trace gravel, very soft, moist to wet, medium plasticity, gray (10YR 5/1)
274	3 – 4		36187		
273	4 – 5				
272	5 – 6				
271	6 – 7				
270	7 – 8				
269	8 – 9				
268	9 – 10		36188		
267	10 – 11		36190	CL	LEAN CLAY (CL) - very soft, moist to wet, high plasticity, dark gray (10YR 4/1)
266	11 – 12				
265	12 – 13				
264	13 – 14		36191		
263	14 – 15				
262	15 – 16				
261	16 – 17				
260	17 – 18		36192		
259	18 – 19				
258	19 – 20		36193		
			36194		

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250
17 51 27 120

SPT Blow Count
N Value²
0 25 50
19 17 18 31 42

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 20 40 60 80 100
19 1 1 0/5/87/8
17
31
37 28 31 0/1/65/34
18
42

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

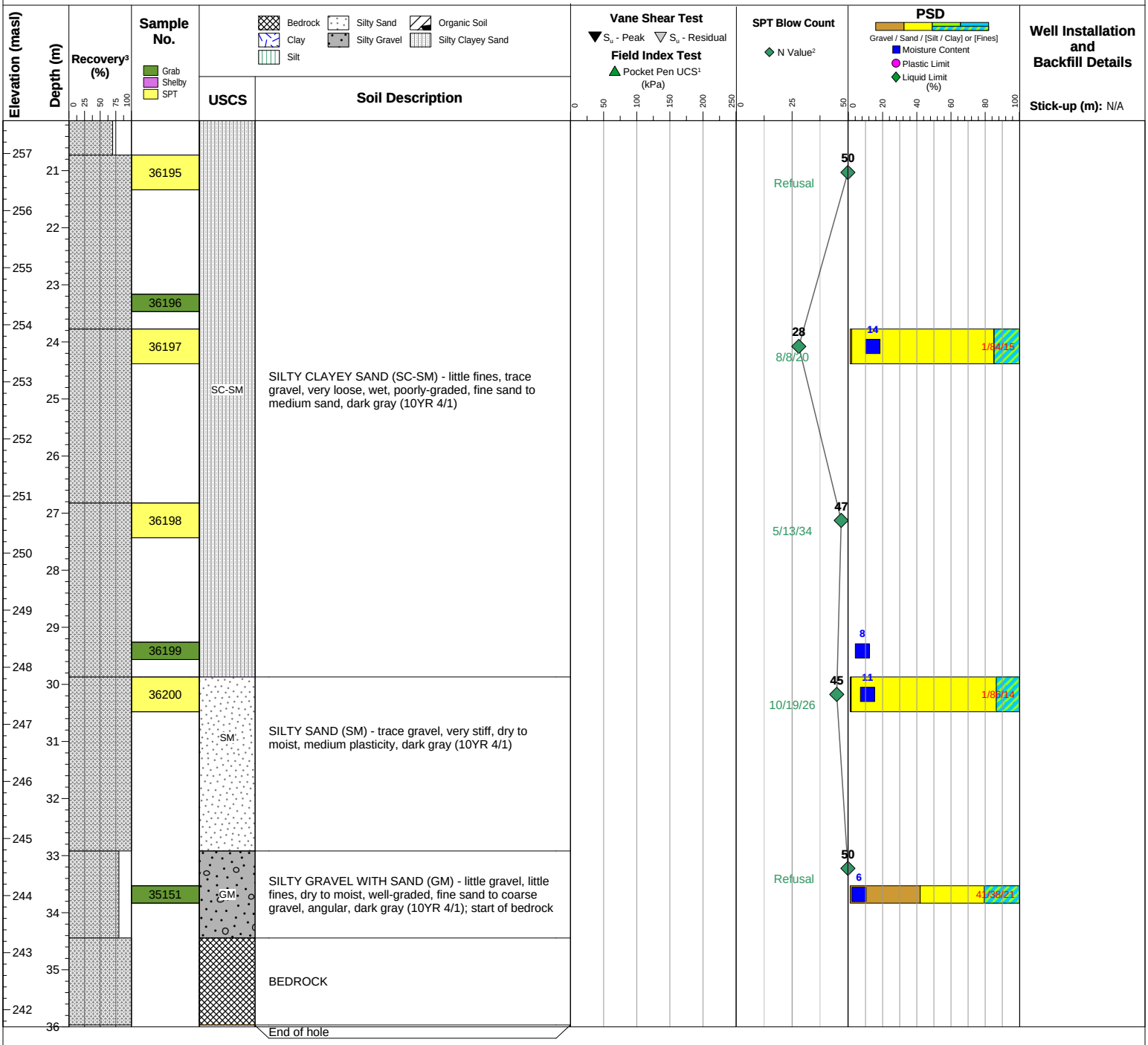
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 30-Sep-21 **TO:** 02-Oct-21
COORDINATES: 473627.5 E 5409757.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.7
TOTAL DEPTH (m): 36.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

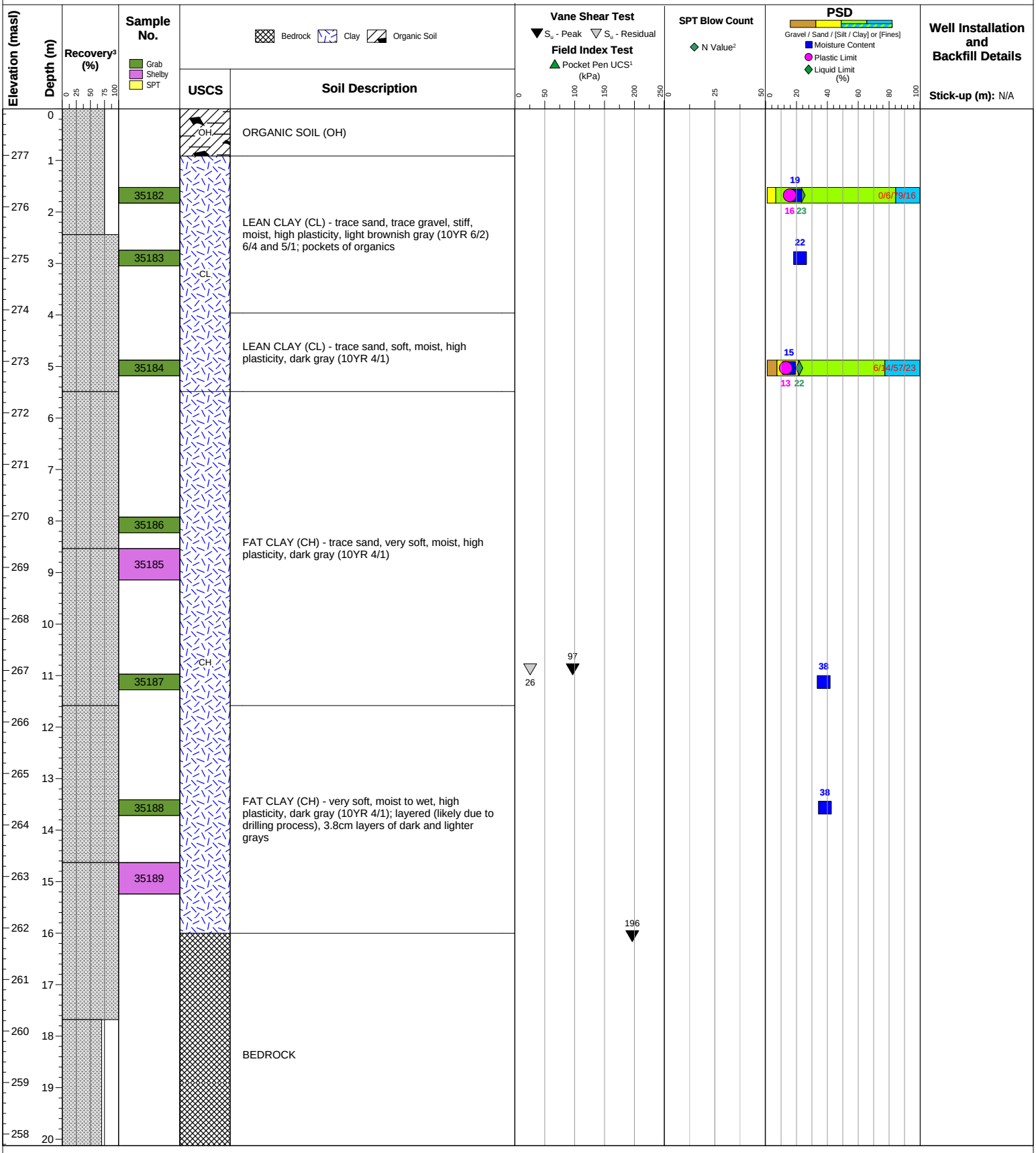
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 06-Oct-21 **TO:** 07-Oct-21
COORDINATES: 473693.9 E 5410045.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.9
TOTAL DEPTH (m): 20.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 06-Oct-21 **TO:** 07-Oct-21
COORDINATES: 473693.9 E 5410045.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.9
TOTAL DEPTH (m): 20.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
257	21				End of hole				Stick-up (m): N/A

Bedrock, Clay, Organic Soil
Grab, Shelby, SPT
S_u - Peak, S_u - Residual
Pocket Pen UCS¹ (kPa)
N Value²
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BD-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 26-Sep-21 **TO:** 26-Sep-21
COORDINATES: 473330.5 E 5409014.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.1
TOTAL DEPTH (m): 21.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
275	0			OH	ORGANIC SOIL (OH)
274	1			ML	SILT WITH SAND (ML) - very soft, dry to moist, low plasticity, light yellowish brown (10YR 6/4)
273	2		36158		
272	3			CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity , gray (10YR 5/1)
271	4				
270	5		36159		
269	6				
268	7				
267	8				
266	9			CL	LEAN CLAY WITH GRAVEL (CL) - trace gravel, very soft, moist to wet, high plasticity, grayish brown (10YR 5/2)
265	10				
264	11		36160		
263	12			CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, grayish brown (10YR 5/2)
262	13				
261	14				
260	15				
259	16				
258	17				
257	18			SW	WELL-GRADED SAND (SW) - little fines, little gravel, very loose, wet, well-graded, subangular to angular, dark grayish brown (10YR 4/2)
256	19				
255	20				

Bedrock, Silt, Organic Soil, Clay, Well Graded Sand

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

PSD values: 17, 0/21/69/10, 15, 19, 17, 13/10/54/24, 14, 25

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

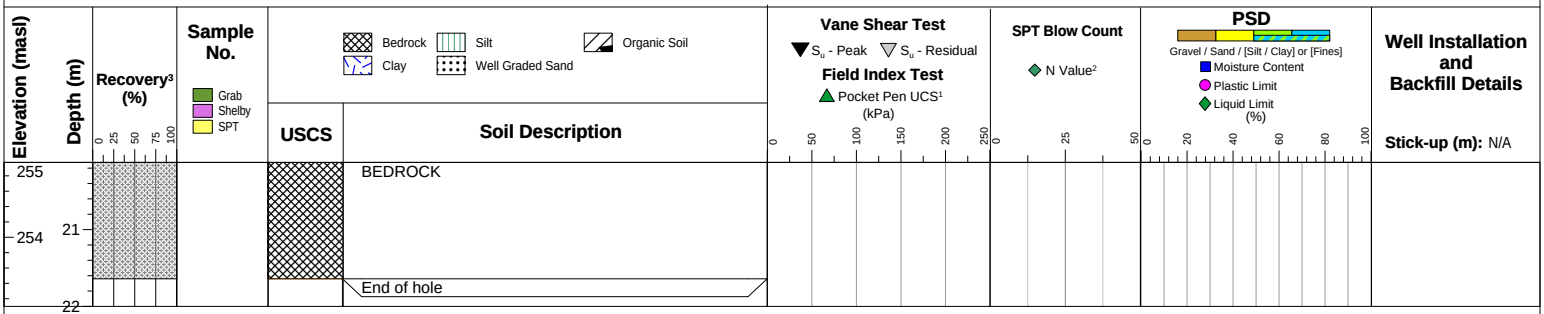
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 26-Sep-21 **TO:** 26-Sep-21
COORDINATES: 473330.5 E 5409014.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.1
TOTAL DEPTH (m): 21.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 27-Sep-21 **TO:** 30-Sep-21
COORDINATES: 473563.1 E 5409393.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.9
TOTAL DEPTH (m): 90.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Silty Sand with Gravel, Well Graded Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
276	0–1			ML	SILT (ML) - very soft, moist, high plasticity, grayish brown (10YR 5/2)
275	1–2		36161	ML	
274	2–3			ML	
273	3–4			ML	
272	4–5		36162	ML	
271	5–6			CH	SILT (ML) - little sand, trace gravel, very soft, moist, poorly-graded, fine sand to fine gravel, subangular, low plasticity, gray (10YR 5/1)
270	6–7			CH	FAT CLAY (CH) - trace gravel, soft, moist to wet, high plasticity, gray (10YR 5/1)
269	7–8			CH	
268	8–9		36163	CH	
267	9–10			CH	
266	10–11			CH	
265	11–12			CL	LEAN CLAY (CL) - very soft, moist to wet, high plasticity, grayish brown (10YR 5/2)
264	12–13		36164	CL	
263	13–14			CL	
262	14–15			CL	
261	15–16				
260	16–17		36165		
259	17–18		36166		
258	18–19				
257	19–20				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²: 0, 25, 50
34
8/14/20

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%): 0, 20, 40, 60, 80, 100
18
0/2/89/9
120
14
17
39
0/0/42/57
21
43
20
0/93/7

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BD-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 27-Sep-21 **TO:** 30-Sep-21
COORDINATES: 473563.1 E 5409393.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.9
TOTAL DEPTH (m): 90.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Silty Sand with Gravel, Well Graded Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
256	21		36167		
255	22				
254	23				POORLY GRADED SAND (SP) - loose deposit little fines, very loose, moist to wet, poorly-graded, fine sand to medium sand, gray (10YR 5/1)
253	24		36168		
			36169	SP	
252	25				
251	26				
250	27		36170		
249	28				
248	29		36171		
247	30				
246	31				
245	32				
			36172		POORLY GRADED SAND (SP) - little fines, few gravel, very loose, moist to wet, gap-graded, fine sand and coarse gravel, subrounded, gray (10YR 6/1)
244	33		36173		
243	34				
242	35		36174		
241	36				SANDY SILT (ML) - few gravel, few sand, medium stiffness, moist, well-graded, fine sand to coarse gravel, subangular, non-plastic, gray (10YR 5/1)
240	37			ML	
239	38				
238	39		36175		
					SILT (ML) - till deposited with few gravel, trace sand, hard, dry to moist, low plasticity, gray (10YR 5/1)
237	40				SILT (ML) - very soft, moist to wet, non-plastic, gray (10YR 5/1)

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100

SPT blow counts: 23 (11/10/13); 17 (10/7/10); 11 (6/5/6); 11 (5/5/6); 50 (Refusal); 50 (Refusal)
Moisture content: 22; 21; 21; 12; 8
PSD: 0/97/4; 9/26/66

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BD-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 27-Sep-21 **TO:** 30-Sep-21
COORDINATES: 473563.1 E 5409393.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.9
TOTAL DEPTH (m): 90.2
WATER LEVEL (mbgs): N/A

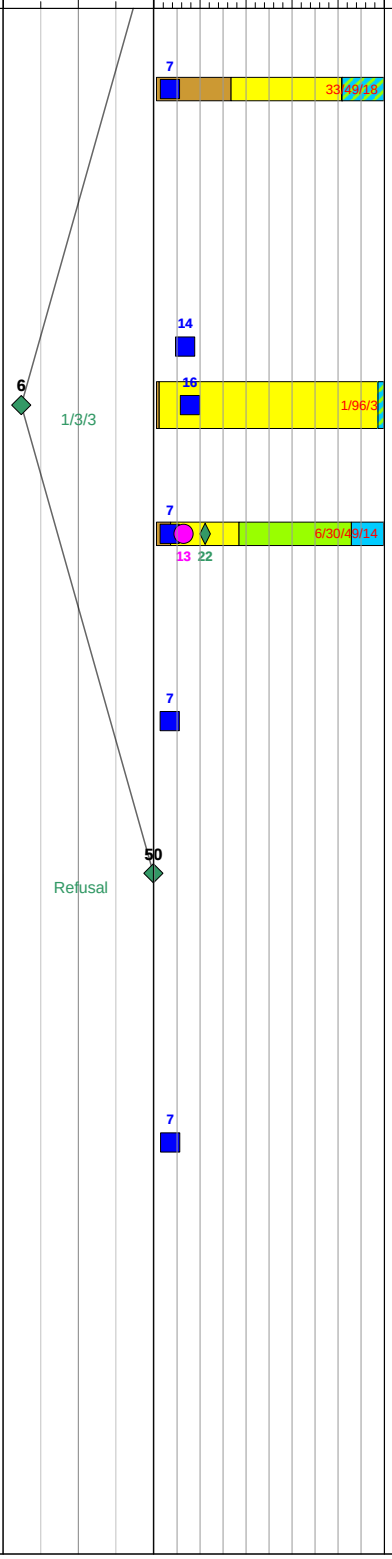
PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silt; Silty Sand; Silty Sand with Gravel; Well Graded Sand; Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
236	41		36176	SM	SILTY SAND WITH GRAVEL (SM) - little gravel, few fines, very loose, moist to wet, well-graded, fine sand to coarse gravel, subrounded, gray (10YR 5/1)
235	42				
234	43				
233	44				
232	45		36177	SP	POORLY GRADED SAND (SP) - little fines, very loose, moist, poorly-graded, fine sand to medium sand, dark gray (10YR 4/1)
			36178		
231	46				
230	47		36179		
229	48				
228	49				POORLY GRADED SAND (SP) - little fines, trace gravel, very loose, moist, poorly-graded, fine sand to coarse sand, subrounded, dark gray (10YR 4/1)
227	50		36180		
226	51				
225	52				POORLY GRADED SAND (SP) - little fines, very loose, moist, poorly-graded, fine sand to medium sand, dark gray (10YR 4/1)
224	53				
223	54				
222	55		36181	SW	WELL-GRADED SAND (SW) - little fines, little gravel, loose, moist, well-graded, fine sand to coarse gravel, rounded to subrounded, dark gray (10YR 4/1)
221	56				
220	57			SP	POORLY GRADED SAND (SP) - very loose, moist, poorly-graded, fine sand to fine sand, dark gray (10YR 4/1)
219	58				
218	59				
217	60			SW	WELL-GRADED SAND (SW) - little gravel, few fines, very loose, moist, well-graded, fine sand to coarse

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa) — 0, 50, 100, 150, 200, 250

SPT Blow Count
N Value² — 0, 25, 50



PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%) — 0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BD-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 27-Sep-21 **TO:** 30-Sep-21
COORDINATES: 473563.1 E 5409393.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.9
TOTAL DEPTH (m): 90.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Silty Sand with Gravel, Well Graded Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
216	61				gravel, rounded to subrounded, dark gray (10YR 4/1)
215	62				
214	63			SP	POORLY GRADED SAND (SP) - little fines, very loose, moist, poorly-graded, fine sand to fine sand, dark gray (10YR 4/1)
213	64			SW	WELL-GRADED SAND (SW) - few fines, few gravel, very loose, moist to wet, well-graded, fine sand to fine gravel, rounded to subrounded, dark gray (10YR 4/1)
212	65				
211	66				
210	67		36183		
209	68				SILTY SAND (SM) - little fines, very loose, moist to wet, poorly-graded, fine sand to fine sand, dark gray (10YR 4/1)
208	69				
207	70				
206	71				
205	72				
204	73				
203	74				
202	75		36184	SM	
201	76				
200	77				
199	78				SILTY SAND (SM) - some gravel, little fines, very loose, moist to wet, well-graded, fine sand to coarse gravel, rounded to subrounded, dark gray (10YR 4/1)
198	79				
197	80				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100

16
7

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

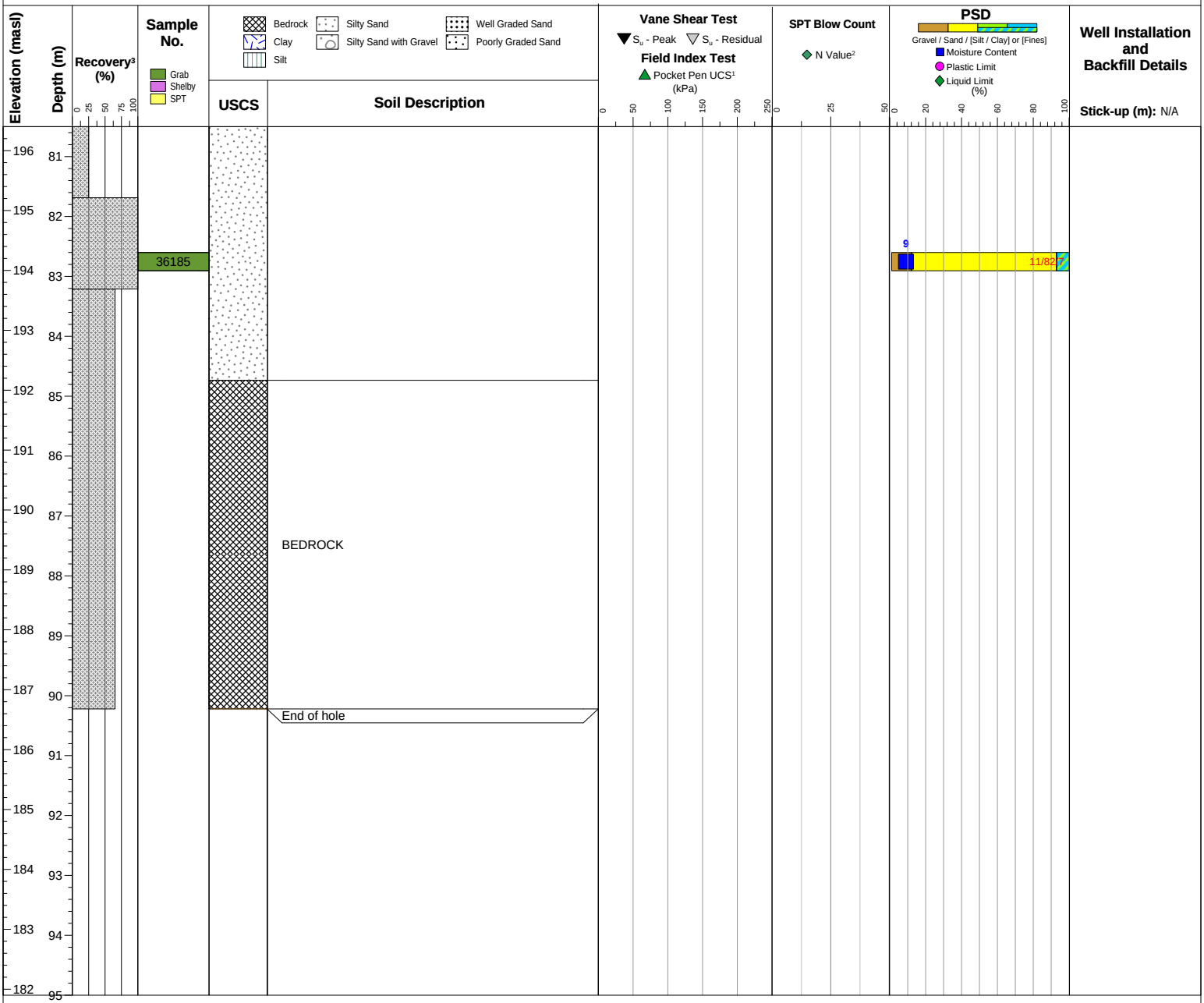
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 27-Sep-21 **TO:** 30-Sep-21
COORDINATES: 473563.1 E 5409393.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.9
TOTAL DEPTH (m): 90.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 25-Sep-21 **TO:** 25-Sep-21
COORDINATES: 472904.4 E 5408908.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.9
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Poorly Graded Sand with Silt
Clay | Poorly Graded Sand | Organic Soil

Grab | Shelby | SPT

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
270	0			SP	POORLY GRADED SAND (SP) - road material with little gravel, very loose, moist, gap-graded, fine sand and coarse gravel
270	0.5			OH	ORGANIC SOIL (OH) - black (10YR 2/1)
269	2				
268	3				
267	4		36151		
266	5				
265	6				
264	7				
263	8		36152		
262	9			CL	LEAN CLAY WITH SAND (CL) - trace sand, very soft, moist, high plasticity, dark grayish brown (10YR 4/2)
261	10				
260	11		36153		
259	12				
258	13				
257	14				
256	15				
255	16				
254	17				
253	18			CH	FAT CLAY (CH) - very soft, moist, high plasticity, dark grayish brown (10YR 4/2)
252	19				
251	20		36154		

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 | 50 | 100 | 150 | 200 | 250

SPT Blow Count
N Value²
0 | 25 | 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 | 20 | 40 | 60 | 80 | 100

20
23
1/18/49/33
14
28
33
50
0/0/27/73

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 25-Sep-21 **TO:** 25-Sep-21
COORDINATES: 472904.4 E 5408908.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.9
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
270	0				
250	21				
249	22				
248	23				
247	24				
246	25				
245	26		36155	ML	SILT (ML) - soft, moist, high plasticity, dark grayish brown (10YR 4/2) layered clay with little sand
244	27				
243	28				
242	29				
241	30				
240	31				
239	32		36156		
238	33				
237	34			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - little fines, trace gravel, very loose, moist, gap-graded, fine sand and fine gravel, subrounded, dark grayish brown (10YR 4/2)
236	35		36157		
235	36				
234	37				BEDROCK
233	38				
232	39				End of hole
231	40				

SPT Blow Count: 24, 53, 32, 27, 18

PSD: 0/1/77/23; 4/91/5

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 17-Nov-21 **TO:** 18-Nov-21
COORDINATES: 475081.1 E 5409834.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.55
TOTAL DEPTH (m): 23.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
275	0		35201	ML	SILT (ML) - very soft, wet organics with low plasticity, black (10YR 2/1)
274	1			CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, very pale brown (10YR 7/4)
273	2		35202		
272	3		35203	ML	SILT (ML) - silty sand with little sand, trace gravel, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
271	4		35204		
270	5		35205	SM	SILTY SAND (SM) - sand with trace fines, very loose, moist, poorly-graded, fine sand to medium sand, subrounded, gray (10YR 5/1)
269	6		35206		
268	7				
267	8		35207		
266	9				
265	10		35208	ML	SILT (ML) - hard and moist silty clay with low plasticity, gray (10YR 5/1)
264	11				
263	12				
262	13				
261	14		35209		
260	15		35210		SILT (ML) - very soft, moist, non-plastic organics with very dark gray (10YR 3/1) stains of black
			35213		
259	16		35211		SILT (ML) - trace sand, very soft, moist, non-plastic, gray (10YR 5/1) strips of black
258	17		35212	SW	WELL-GRADED SAND (SW) - few fines, trace gravel, very loose, moist, well-graded, fine sand to fine gravel, subrounded, non-plastic, gray (10YR 5/1)
257	18				
256	19		35214	SP	POORLY GRADED SAND (SP) - trace fines, trace gravel, trace cobbles, loose, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
	20				

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²

3/15/17 — 32
Refusal — 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

17, 14, 29, 2/17/49/32
20, 0/77/22/1
22, 0/83/17/1

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 17-Nov-21 **TO:** 18-Nov-21
COORDINATES: 475081.1 E 5409834.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.55
TOTAL DEPTH (m): 23.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
255			35215	ML	SILT (ML) - trace sand, trace gravel, medium stiff, moist, non-plastic, gray (10YR 5/1)
	21		35216		BEDROCK - pulverized bedrock
254					
	22				BEDROCK - black (10YR 2/1) competent bedrock with greenish stain
253					
	23		35217		
252					End of hole
	24				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 09-Oct-21 **TO:** 09-Oct-21
COORDINATES: 474008.8 E 5408447 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Well Graded Sand, Poorly Graded Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
273	0			OH	ORGANIC SOIL (OH)
272	1		35191	CH	FAT CLAY (CH) - few sand, trace gravel, medium stiff, moist to wet, fine sand to fine gravel, high plasticity, pale brown (10YR 6/3)
271	2		35192	ML	SILT (ML) - few sand, trace gravel, medium stiff, moist to wet, fine sand to fine gravel, high plasticity, light brownish gray (10YR 6/2)
270	3				
269	4				
268	5		35193		
267	6				
266	7				LEAN CLAY WITH SAND (CL) - few sand, very soft, moist to wet, fine sand to coarse gravel, high plasticity, gray (10YR 5/1)
265	8		35194		
264	9		35195	CL	
263	10				
262	11		35196		
261	12				
260	13				LEAN CLAY WITH SAND (CL) - trace sand, trace gravel, trace cobbles, very soft, moist to wet, high plasticity, gray (10YR 5/1)
259	14		35197		
258	15				
257	16		35198	CH	FAT CLAY (CH) - little sand, trace gravel, soft, moist to wet, well-graded, fine sand to fine gravel, high plasticity, gray (10YR 5/1)
256	17		35199		
255	18		35200		
254	19				
253	20		35101		

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

Pocket Pen UCS¹ (kPa): 40, 18, 113, 12

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

PSD: 23, 0/1/89/11, 23; 19; 20, 1/20/48/31, 14, 24; 21, 1/19/46/35, 14, 27; 38, 0/0/45/55

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 09-Oct-21 **TO:** 09-Oct-21
COORDINATES: 474008.8 E 5408447 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Well Graded Sand, Poorly Graded Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
253	0				
252	1				
251	2				
250	3				
249	4				
248	5				
247	6				
246	7				
245	8				
244	9				
243	10				
242	11				
241	12				
240	13				
239	14				
238	15				
237	16				
236	17				
235	18				
234	19				
233	20				
232	21				
231	22				
230	23				
229	24				
228	25				
227	26				
226	27				
225	28				
224	29				
223	30				
222	31				
221	32				
220	33				
219	34				
218	35				
217	36				
216	37				
215	38				
214	39				
213	40				
		0 25 50 75 100	Grab, Shelby, SPT		
			35102	CL	LEAN CLAY WITH SAND (CL) - very soft, moist to wet, high plasticity, gray (10YR 5/1)
			35103		
			35104	SP	POORLY GRADED SAND (SP) - some fines, trace gravel, trace cobbles, loose, moist to wet, gap-graded, fine sand and coarse gravel, gray (10YR 5/1)
			35105	CL-ML	SANDY SILTY CLAY (CL-ML) - little fines, little gravel, few cobbles, very dense, dry to moist, well-graded, fine sand to coarse gravel, subangular, dark gray (10YR 4/1); horizontal cracking visible
			35106	SW	WELL-GRADED SAND (SW) - little fines, little gravel, little cobbles, very dense, dry to moist, well-graded, fine sand to coarse gravel, subangular to angular, dark gray (10YR 4/1)
			35107		
			35108	CL-ML	SILTY CLAY WITH SAND (CL-ML) - little fines, little gravel, very dense, dry to moist, well-graded, fine sand to coarse gravel, subangular to angular, gray (10YR 5/1)
					BEDROCK

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0 50 100 150 200 250

SPT Blow Count
N Value[2]
0 25 50

Refusal
Refusal

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 20 40 60 80 100

33
19
34
1/1/64/34
50
11
5/42/44/10
50
11
9
1/25/62/12
14
8

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

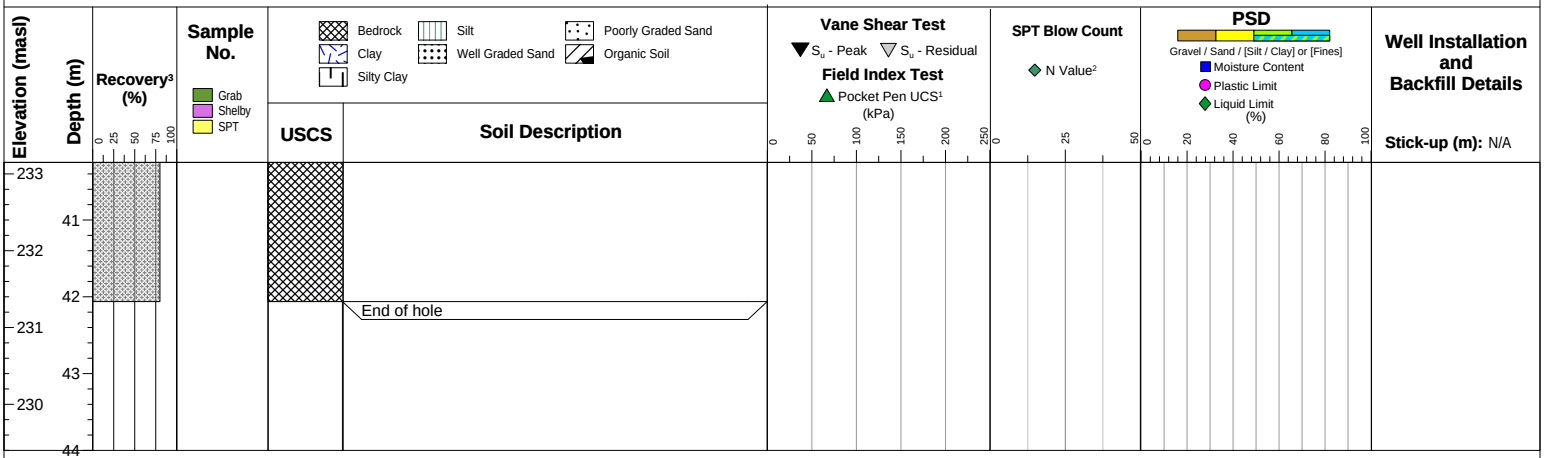
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 09-Oct-21 **TO:** 09-Oct-21
COORDINATES: 474008.8 E 5408447 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-12
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin/Tess Jakubec

DRILLING DATE: 04-Oct-21 **TO:** 06-Oct-21
COORDINATES: 472953.8 E 5408466.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Sand, Clayey Sand, Well Graded Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
272	0			SW	WELL-GRADED SAND (SW) - little gravel, few fines, very loose, wet, well-graded, fine sand to coarse gravel, rounded to subrounded, dark gray (10YR 4/1)
271	1			OH	ORGANIC SOIL (OH)
270	2				
269	3				
268	4				
267	5				
266	6		35164		
265	7		35165	CL	LEAN CLAY WITH SAND (CL) - trace gravel, trace sand, very soft, moist to wet, high plasticity, dark gray (10YR 4/1)
264	8				
263	9				
262	10				
261	11		35166		
260	12				
259	13				
258	14		35167		
257	15		35168	CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, dark gray (10YR 4/1)
256	16				
255	17		35169		
254	18				
253	19				
252	20		35170		

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250
21, 77
22, 56

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100
23
21, 14, 27, 1/16/50/33
22
37, 20, 39, 0/0/49/51

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-12
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin/Tess Jakubec

DRILLING DATE: 04-Oct-21 **TO:** 06-Oct-21
COORDINATES: 472953.8 E 5408466.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Sand, Clayey Sand, Well Graded Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
251	21			CL	LEAN CLAY (CL) - layered clay with soft, moist to wet, high plasticity, dark gray (10YR 4/1)
247	25		35171	SC	CLAYEY SAND (SC) - little fines, few gravel, very loose, moist to wet, gap-graded, fine sand and coarse gravel, subrounded, non-plastic, gray (10YR 5/1)
245	27		35172		
243	29		35173	SM	SILTY SAND (SM) - little fines, trace gravel, dense, moist, poorly-graded, fine sand, non-plastic, gray (10YR 5/1)
242	30		35174		
241	31		35175		
239	33		35176	SW	WELL-GRADED SAND (SW) - some gravel, few fines, very dense, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
237	35		35177		
236	36		35178	SM	SILTY SAND (SM) - few gravel, trace cobbles, dense, moist to wet, poorly-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
234	38		35179	SW	WELL-GRADED SAND (SW) - some gravel, few fines, very dense, dry to moist, well-graded, fine sand to coarse gravel, subangular to angular, dark gray (10YR 4/1) mixed with lighter grays
233	39		35180		
232	40				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100

43 — 15/23/20
50 — Refusal
11 — 5/55/39/1
10
19 — 4/9/10
11 — 12/57/29/2
18 — 0/97/3
50 — Refusal
13

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

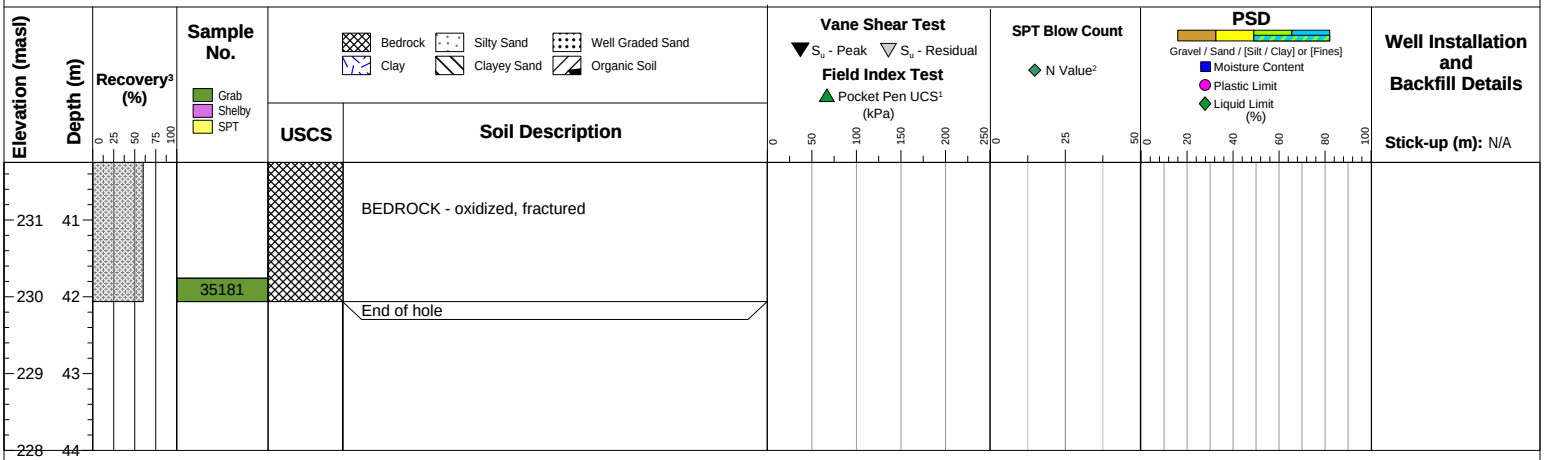
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BD-12
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin/Tess Jakubec

DRILLING DATE: 04-Oct-21 **TO:** 06-Oct-21
COORDINATES: 472953.8 E 5408466.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 03-Dec-21 **TO:** 06-Dec-21
COORDINATES: 473121.2 E 5410247 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.4
TOTAL DEPTH (m): 66.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
275	0				NO RECOVERY - no recovered due to drill mats
274	1		167779		LEAN CLAY (CL) - some sand, trace gravel, stiff, moist, poorly-graded, fine sand to coarse sand, rounded to subrounded, medium plasticity, very pale brown (10YR 7/3)
273	2		167780		LEAN CLAY WITH SAND (CL) - trace gravel, soft, moist, high plasticity, gray (10YR 5/1)
272	3				
271	4		167781		
270	5			CL	
269	6		167783		LEAN CLAY (CL) - trace gravel, soft, moist, high plasticity, gray (10YR 5/1)
268	7		167782		
267	8				
266	9				
265	10		167784		
264	11				
263	12		167785		FAT CLAY (CH) - soft, moist, high plasticity, gray (10YR 5/1)
262	13		167786	CH	
261	14				
260	15				
259	16		167787		FAT CLAY (CH) - few sand, very soft, moist to wet, poorly-graded, fine sand to fine sand, medium plasticity, gray (10YR 5/1)
258	17				
257	18		167788		
256	19				POORLY GRADED SAND (SP) - trace fines, medium dense, moist, poorly-graded, fine sand, rounded to subrounded, gray (10YR 6/1)
	20		167790		

Vane Shear Test: 47, 94; 17, 52
PSD: 14, 14, 29, 5/22/51/23; 31, 28, 40, 0/6/36/59; 39, 19, 41, 0/0/41/59

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

Bedrock | Silty Sand | Poorly Graded Sand
No Recovery | Well Graded Sand | Poorly Graded Sand with Silt
Clay

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
255–254	0–1				
254–253	1–2		167969	SP	POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand, rounded to subrounded, brown (10YR 4/3)
253–252	2–3		167789	SP	POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand, rounded to subrounded, brown (10YR 4/3)
252–251	3–4		167791	SP	POORLY GRADED SAND (SP) - few gravel, trace cobbles, dense, moist, poorly-graded, fine sand to coarse gravel, subangular, gray (10YR 5/1)
251–250	4–5		167792	SP	POORLY GRADED SAND (SP) - few gravel, trace cobbles, dense, moist, poorly-graded, fine sand to coarse gravel, subangular, gray (10YR 5/1)
250–249	5–6		167793	SP	POORLY GRADED SAND (SP) - few gravel, trace cobbles, dense, moist, poorly-graded, fine sand to coarse gravel, subangular, gray (10YR 6/1)
249–248	6–7		167794	SW	WELL-GRADED SAND (SW) - few gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, gray (10YR 5/1)
248–247	7–8		167795	SW	WELL-GRADED SAND (SW) - few gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, gray (10YR 5/1)
247–246	8–9			SW	WELL-GRADED SAND (SW) - few gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, gray (10YR 5/1)
246–245	9–10			SW	WELL-GRADED SAND (SW) - few gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, gray (10YR 5/1)
245–244	10–11			SW	WELL-GRADED SAND (SW) - few gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, gray (10YR 5/1)
244–243	11–12		167796	SW	WELL-GRADED SAND (SW) - little gravel, few cobbles, dense, moist, well-graded, fine sand to coarse gravel, grayish brown (10YR 5/2)
243–242	12–13			SW	WELL-GRADED SAND (SW) - little gravel, few cobbles, dense, moist, well-graded, fine sand to coarse gravel, grayish brown (10YR 5/2)
242–241	13–14		167797	SP	POORLY GRADED SAND (SP) - trace gravel, trace cobbles, dense, moist, poorly-graded, fine sand to coarse gravel, subangular, gray (10YR 5/1)
241–240	14–15			SP	POORLY GRADED SAND (SP) - trace gravel, trace cobbles, dense, moist, poorly-graded, fine sand to coarse gravel, subangular, gray (10YR 5/1)
240–239	15–16		167798	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, dense, moist, poorly-graded, fine sand to coarse gravel, non-plastic, gray (10YR 5/1)
239–238	16–17			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, dense, moist, poorly-graded, fine sand to coarse gravel, non-plastic, gray (10YR 5/1)
238–237	17–18		167799	SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
237–236	18–19			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
236–235	19–20			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
235–234	20–21			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
234–233	21–22			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
233–232	22–23			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
232–231	23–24			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
231–230	24–25			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
230–229	25–26			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
229–228	26–27			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
228–227	27–28			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
227–226	28–29			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
226–225	29–30			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
225–224	30–31			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
224–223	31–32			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
223–222	32–33			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
222–221	33–34			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
221–220	34–35			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
220–219	35–36			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
219–218	36–37			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
218–217	37–38			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
217–216	38–39			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
216–215	39–40			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)
215–214	40–41			SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, low plasticity, gray (10YR 5/1)

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 | 50 | 100 | 150 | 200 | 250

SPT Blow Count
N Value²
0 | 25 | 50

SPT blow counts: 7 (6/4/3); 34 (3/12/22); 20 (23/20/0)

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 | 20 | 40 | 60 | 80 | 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 03-Dec-21 **TO:** 06-Dec-21
COORDINATES: 473121.2 E 5410247 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.4
TOTAL DEPTH (m): 66.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
235	41				
234			167800		
	42				
233					
	43				
232					
	44				
231					
	45				
230					
	46				
229					
	47				
228					
	48				
227					
	49				
226				SM	
	50				
225					
	51				SILTY SAND (SM) - till deposited with little fines, few gravel, trace cobbles, dense, dry to moist, well-graded, fine sand to coarse gravel, subangular, non-plastic; no recovery from 42.1-63.1m
224					
	52				
223					
	53				
222					
	54				
221					
	55				
220					
	56				
219					
	57				
218					
	58				
217					
	59				
216					
	60				
215					

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa) — 0, 50, 100, 150, 200, 250

SPT Blow Count: N Value[2] — 0, 25, 50

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%) — 0, 20, 40, 60, 80, 100

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

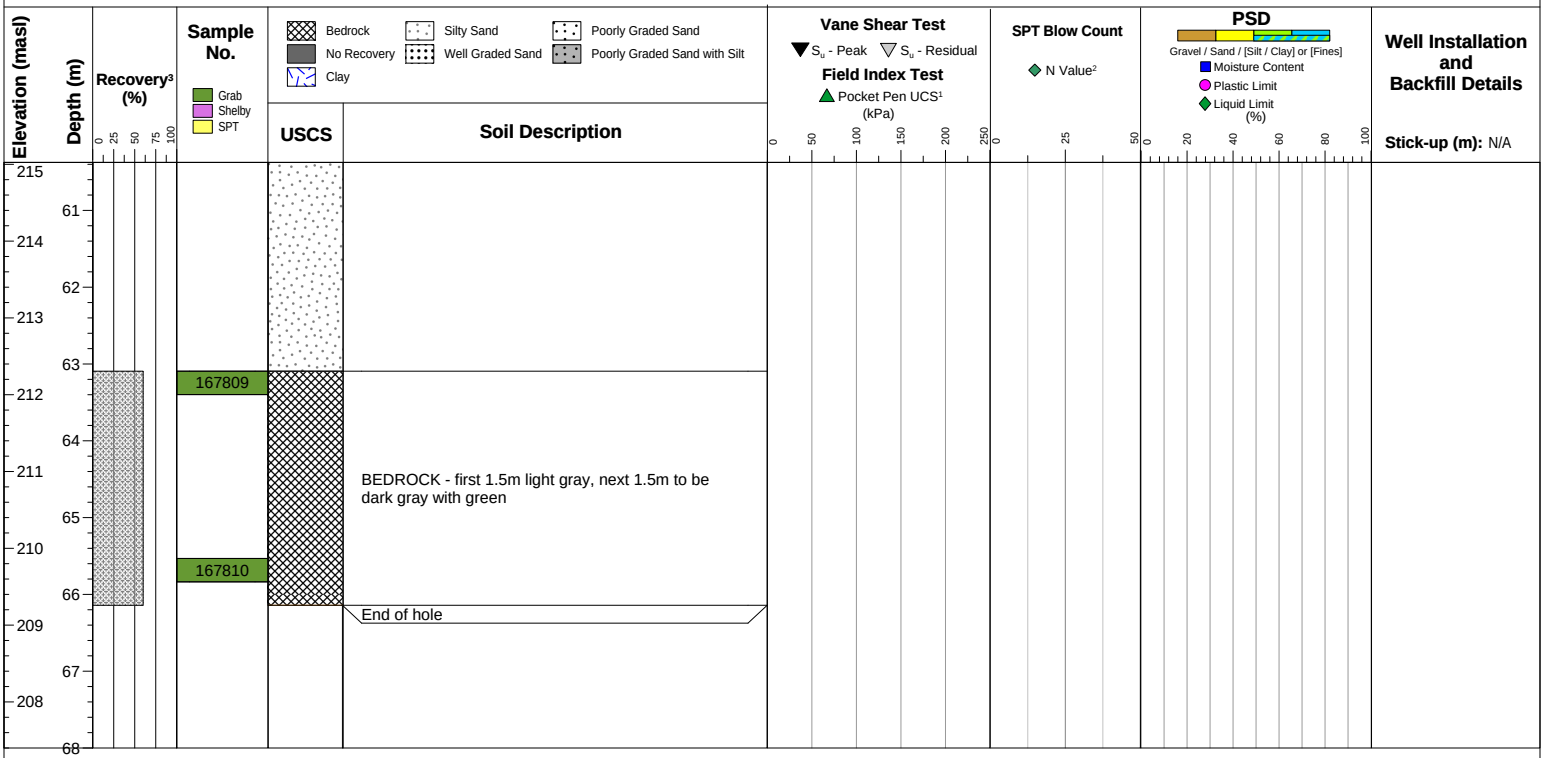
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 03-Dec-21 **TO:** 06-Dec-21
COORDINATES: 473121.2 E 5410247 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.4
TOTAL DEPTH (m): 66.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 18-Nov-21 **TO:** 19-Nov-21
COORDINATES: 474519.5 E 5410198.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.2
TOTAL DEPTH (m): 23.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
276	0			OH	ORGANIC SOIL (OH) - very soft, moist to wet, black (10YR 2/1) organics and rootlets
275	1		35218		
274	2		35219		FAT CLAY (CH) - soft, moist, high plasticity, gray (10YR 6/1) clay
273	3		35220		FAT CLAY (CH) - very soft, wet, high plasticity, gray (10YR 6/1); very wet and sample could not be recovered
272	4				
271	5		35221	CH	FAT CLAY (CH) - trace gravel, very stiff, moist, high plasticity, gray (10YR 6/1)
270	6				
269	7		35222		FAT CLAY (CH) - trace gravel, very soft, moist, high plasticity, gray (10YR 5/1)
268	8				
267	9		35223		
266	10		35224	CL	LEAN CLAY (CL) - very soft, moist, high plasticity, dark gray (10YR 4/1); transitional deposit from fine-grain to coarser material
265	11		35225	SP	POORLY GRADED SAND (SP) - few fines, trace gravel, very loose, moist to wet, poorly-graded, fine sand to fine gravel, subrounded, non-plastic, gray (10YR 5/1) sand
264	12		35226		
263	13			ML	SILT (ML) - hard, moist, medium plasticity, gray (10YR 5/1) silty clay
262	14		35227		
261	15				
260	16				SILT (ML) - trace sand, stiff, moist, low plasticity, gray (10YR 5/1)
259	17		35228		
258	18				
257	19		35229	SW	WELL-GRADED SAND (SW) - little fines, few gravel, loose, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
	20				

Bedrock, Clay, Silt, Well Graded Sand, Poorly Graded Sand, Poorly Graded Gravel, Organic Soil

Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250
104
227
22
76

SPT Blow Count
N Value²
0, 25, 50
1
1/1/0**

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100
22
234
0/0/88/12
31
18
36
0/1/51/49

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

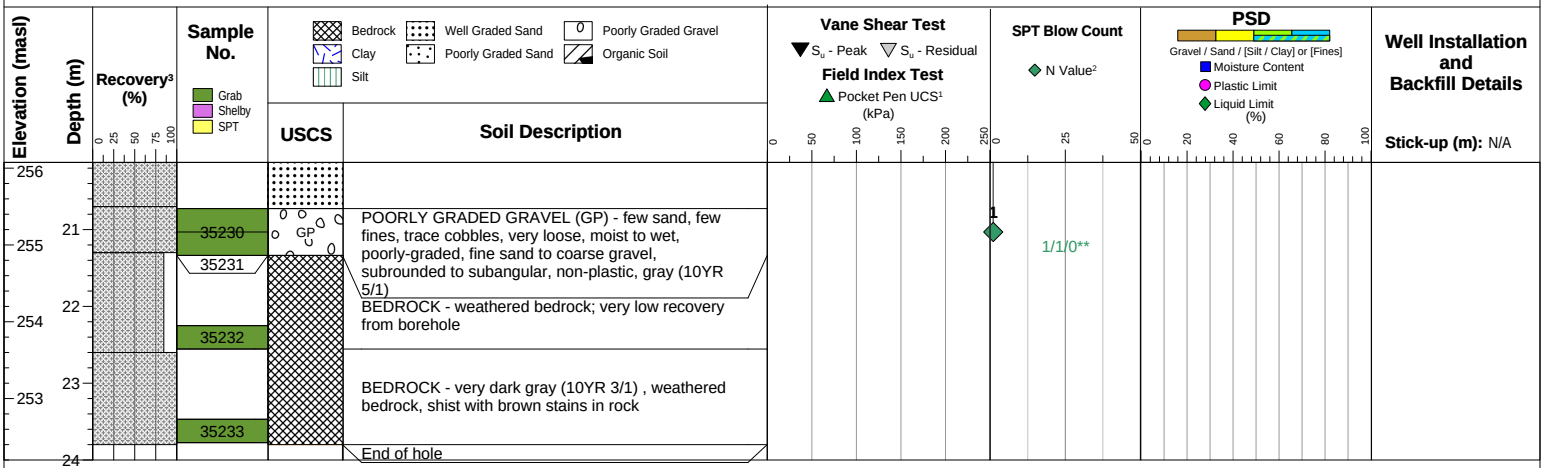
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 18-Nov-21 **TO:** 19-Nov-21
COORDINATES: 474519.5 E 5410198.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.2
TOTAL DEPTH (m): 23.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 02-Oct-21 **TO:** 03-Oct-21
COORDINATES: 474501 E 5409875.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.7
TOTAL DEPTH (m): 32.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Clayey Sand, Well Graded Sand, Poorly Graded Sand, Organic Soil

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
276	0			SW	WELL-GRADED SAND (SW) - few gravel, very loose, moist, well-graded, fine sand to coarse gravel, rounded
275	2			OH	ORGANIC SOIL (OH) - peat
274	3				
273	4				
272	5		35152	CL	LEAN CLAY WITH SAND (CL) - very soft, moist, high plasticity, dark gray (10YR 4/1)
271	6				
270	7		35153		
269	8				
268	9				
267	10				SANDY LEAN CLAY (CL) - little fines, trace gravel, very loose, moist, poorly-graded, fine sand to fine gravel, non-plastic, dark gray (10YR 4/1)
266	11		35154		
265	12		35155		
264	13				
263	14		35156		LEAN CLAY (CL) - trace sand, trace cobbles, hard, moist, high plasticity, very dark gray (10YR 3/1)
262	15		35157	SC	CLAYEY SAND (SC) - little fines, very loose, dry to moist, poorly-graded, fine sand to medium sand, dark gray (10YR 4/1)
261	16				
260	17		35158	ML	SANDY SILT (ML) - little fines, trace gravel, very loose, moist, poorly-graded, fine sand to fine gravel, non-plastic, dark gray (10YR 4/1)
259	18		35159		
258	19				
257	20				POORLY GRADED SAND (SP) - little fines, very

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)

SPT Blow Count
N Value[2]

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

18 — 0/16/54/30 — 15 26
22
13
13 — 0/40/57/3 — 35 — 9/19/16
22 — 0/5/46/49 — 23 36
50 — 17 — 0/60/34 — Refusal
50 — 15 — 1/32/65/1 — Refusal

Well Installation and Backfill Details
Stick-up (m): N/A

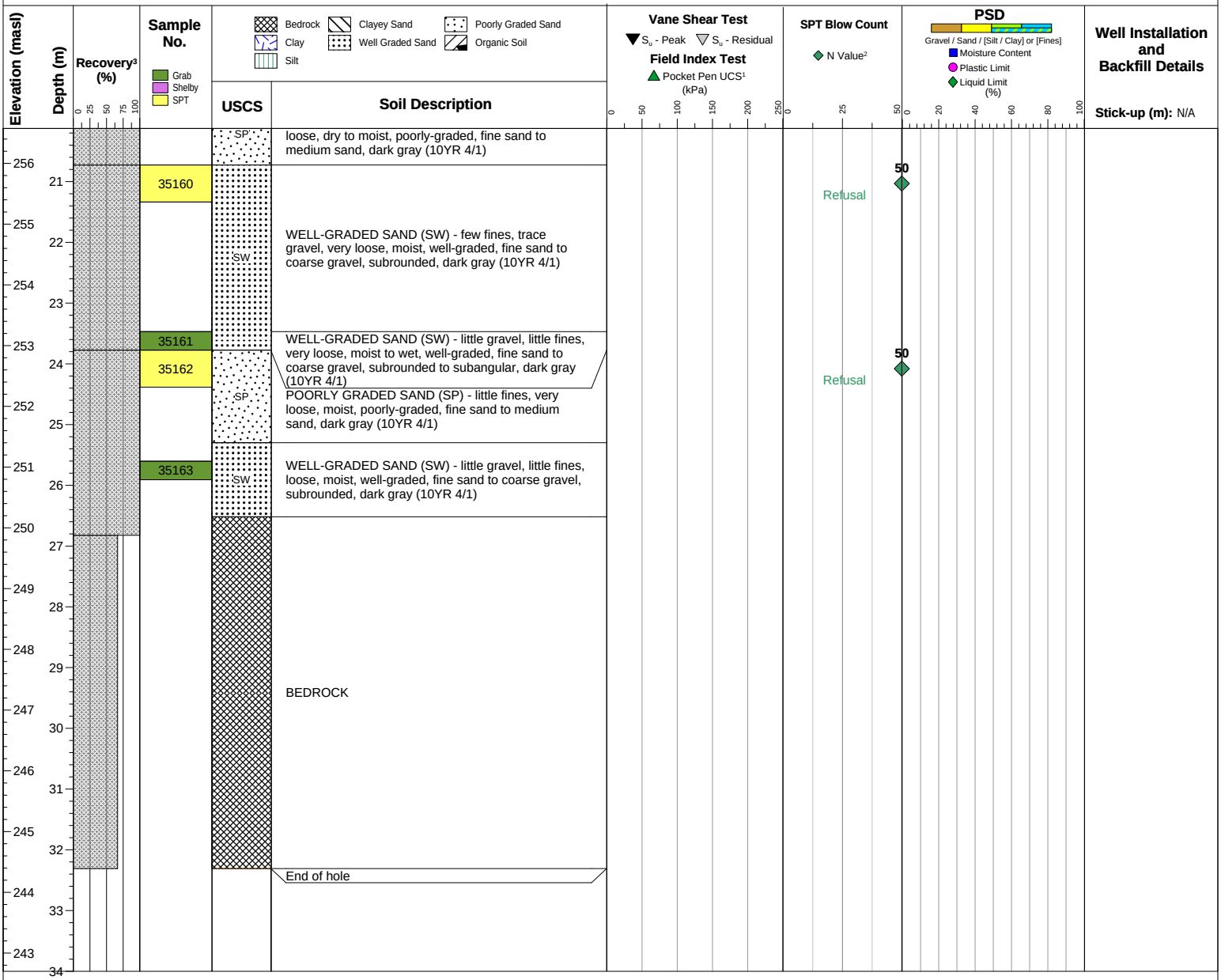
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 02-Oct-21 **TO:** 03-Oct-21
COORDINATES: 474501 E 5409875.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.7
TOTAL DEPTH (m): 32.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 11-Oct-21 **TO:** 12-Oct-21
COORDINATES: 474645.5 E 5408406.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.6
TOTAL DEPTH (m): 50.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silt; Silty Sand; Silty Sand with Gravel; Well Graded Sand; Well Graded Sand with Silt; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
275	0			OH	ORGANIC SOIL (OH)
	1		35109	CL	LEAN CLAY WITH SAND (CL) - little sand, trace gravel, soft, moist to wet, fine sand to fine gravel, high plasticity, light brownish gray (10YR 6/2)
274	2		35110		
273	3		35112	CH	LEAN CLAY WITH SAND (CL) - little sand, trace gravel, stiff, moist to wet, fine sand to fine gravel, high plasticity, grayish brown (10YR 5/2)
272	4				FAT CLAY (CH) - few sand, few gravel, few cobbles, stiff, moist to wet, well-graded, fine sand to coarse gravel, subrounded, high plasticity, dark gray (10YR 4/1)
271	5		35111	CL	LEAN CLAY WITH SAND (CH) - few sand, few gravel, few cobbles, soft, moist to wet, well-graded, fine sand to coarse gravel, subrounded, high plasticity, dark gray (10YR 4/1)
270	6			SP	POORLY GRADED SAND (SP) - some fines, trace gravel, trace cobbles, dense, moist to wet, gap-graded, fine sand and fine gravel, dark gray (10YR 4/1)
269	7		35113	ML	SANDY SILT (ML) - little fines, few gravel, trace cobbles, medium dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded, non-plastic, dark gray (10YR 4/1)
268	8		35114		
267	9		35115	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, few gravel, trace cobbles, medium dense, moist to wet, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
266	10		35116	ML	SANDY SILT (ML) - little fines, trace gravel, trace cobbles, very dense, moist, well-graded, fine sand to coarse gravel, subangular, dark gray (10YR 4/1)
265	11		35117	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, loose, moist, poorly-graded, fine sand to fine sand, non-plastic, gray (10YR 5/1)
264	12		35120	SM	SILTY SAND (SM) -till deposited with little fines, few gravel, dense, moist, fine sand to fine gravel, dark gray (10YR 4/1); boulder from 13.1-13.4m
263	13		35118		
262	14		35119	ML	SANDY SILT (ML) - soft, moist to wet, poorly-graded, non-plastic, some fine sand, gray (10YR 5/1)
261	15		35121		
260	16				SANDY SILT (ML) - trace gravel, trace cobbles, stiff, moist, poorly-graded, some fine sand, non-plastic, dark gray (10YR 4/1)
259	17		35122		
258	18		35123	CH	FAT CLAY (CH) - extremely hard, dry to moist, poorly-graded, few fine sand, high plasticity, dark gray (10YR 4/1)
257	19		35124		
256	20		35125		FAT CLAY (CH) - trace sand, extremely hard, dry to moist, high plasticity, very dark grayish brown (10YR

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

Depth (m)	N Value²	PSD (Gravel / Sand / [Silt / Clay] or [Fines])	Moisture Content	Plastic Limit	Liquid Limit (%)
1			16	15	25
3			17	14	24
5			21	15	26
7	9 (3/4/5)	1/47/47/5	12		
9		2/45/46/7	10		
11	50 (Refusal)	0/39/50/10	11		
13			17		
15	50 (Refusal)	5/39/52/4	14		
18	41 (1/7/34)				
20			10		

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 11-Oct-21 **TO:** 12-Oct-21
COORDINATES: 474645.5 E 5408406.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.6
TOTAL DEPTH (m): 50.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silt; Silty Sand; Silty Sand with Gravel; Well Graded Sand; Well Graded Sand with Silt; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
					3/2) mixed with 4/1 dark gray
255	21		35126	ML	SILT WITH SAND (ML) - trace sand, extremely hard, dry to moist, high plasticity, dark gray (10YR 4/1) clay layering with stiff, lighter gray clay starting at 21.3m
254			35127		
253	22			CH	FAT CLAY (CH) - very stiff, moist, gray (10YR 5/1) layered with 4/1 dark gray hard clay; layering at 23.8m with 2cm bands of dark gray clay and light gray clay
252	23		35128		
251	24		35129		
250	25			ML	SILT (ML) - medium stiff, wet, medium plasticity, gray (10YR 5/1); very fine, liquifies easily
249	26		35130		
248	27				SILT (ML) - fine sand medium stiff, wet, medium plasticity, very loose, very soft, poorly-graded, gray (10YR 5/1); very fine, liquifies easily
247	28		35131		
246	29		35132	SM	SILTY SAND (SM) - few fines, loose, moist to wet, poorly-graded, fine sand, non-plastic, gray (10YR 5/1)
245	30		35133		
244	31		35134	SW	WELL-GRADED SAND (SW) - trace gravel, very loose, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
243	32		35135	SM	SILTY SAND (SM) - little fines, loose, moist, poorly-graded, fine sand to fine sand, gray (10YR 5/1)
242	33				SILTY SAND (SM) - little fines, trace gravel, loose, moist to wet, well-graded, fine sand to fine gravel, subrounded to subangular, dark gray (10YR 4/1)
241	34			ML	SANDY SILT (ML) - till deposited with some sand, trace gravel, trace cobbles, hard, dry, poorly-graded, fine sand to medium sand, non-plastic, dark gray (10YR 4/1)
240	35		35136		
239	36			SW	WELL-GRADED SAND (SW) - trace gravel, trace cobbles, trace fines, very loose, moist, well-graded, fine sand to coarse sand , dark gray (10YR 4/1); 0.15m rock from 36.0-36.1m
238	37				
237	38		35137		
236	39		35138	SP	POORLY GRADED SAND WITH GRAVEL (SP) - few fines, trace gravel, very loose, wet, poorly-graded, fine sand to medium sand, non-plastic, gray (5Y 5/1)
	40		35139	GW	WELL-GRADED GRAVEL (GW) - some sand, trace fines, medium dense, wet, well-graded, fine sand to

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
105
67

SPT Blow Count
N Value²
Refusal
50
33
10/10/23
23
27/14/9

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
14
0/16/65/20
22
0/1/95/4
16
12
7
7/34/51/9
19
36/60/4

Well Installation and Backfill Details
Stick-up (m): N/A

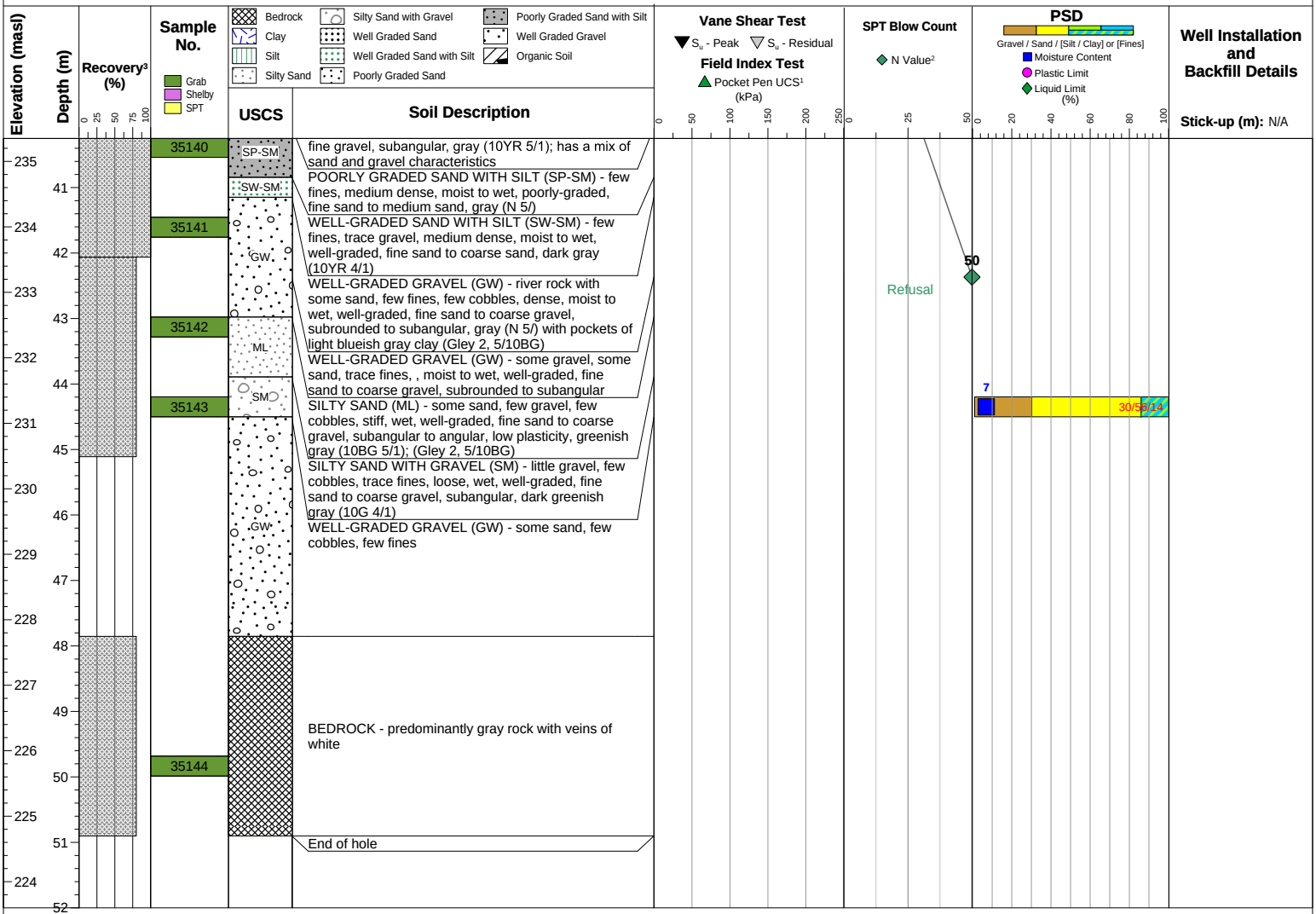
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 11-Oct-21 **TO:** 12-Oct-21
COORDINATES: 474645.5 E 5408406.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.6
TOTAL DEPTH (m): 50.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 04-Nov-21 **TO:** 05-Nov-21
COORDINATES: 472928 E 5407952 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.37
TOTAL DEPTH (m): 52.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Clay; Silt; Silty Sand; Silty Sand with Gravel; Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
271	0			OH	ORGANIC SOIL (OH)
270	1		58345	CL-ML	SILTY CLAY (CL-ML) - some sand, trace gravel, medium stiff, dry to moist, poorly-graded, fine sand, high plasticity, light yellowish brown (10YR 6/4)
269	2				
268	3		58346	CH	FAT CLAY (CH) - some sand, trace gravel, soft, moist to wet, poorly-graded, high plasticity, gray (10YR 6/1)
267	4		58347		
266	5		58348		
265	6				
264	7		58349		FAT CLAY (CH) - few fine sand, few gravel, very soft, moist, poorly-graded, rounded to subrounded, high plasticity, gray (10YR 5/1)
263	8				
262	9				
261	10		58350		
260	11				
259	12		36201		
258	13		36202		
257	14				
256	15				
255	16				
254	17		36203		LEAN CLAY (CL) - few sand, trace cobbles, very soft, moist to wet, poorly-graded, fine sand to fine sand, high plasticity, gray (10YR 5/1)and slight colour change in layers
253	18		36204		
252	19		36205		
	20				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa)
Values: 32, 11, 33, 9

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
Values: 20, 19, 26, 2/10/68/21, 36, 28, 34, 0/0/41/59, 28

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-OP-BH-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 04-Nov-21 **TO:** 05-Nov-21
COORDINATES: 472928 E 5407952 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.37
TOTAL DEPTH (m): 52.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
251–250	0–21		36206	CL	LEAN CLAY (CL) - few sand, trace cobbles, medium dense, soft, moist, poorly-graded, fine sand to fine sand, high plasticity, gray (10YR 5/1)
250–249	21–23		36207	CL	LEAN CLAY (CL) - little sand, little gravel, soft, moist to wet, well-graded, fine sand to medium sand, subrounded to subangular, medium plasticity, gray (10YR 5/1)
248–245	23–26		36208	CL	LEAN CLAY (CL) - little sand, little gravel, loose, very soft, wet, poorly-graded, fine sand to medium sand, subrounded, medium plasticity, gray (10YR 5/1); liquid-like
245–242	26–29		36209	SM	SILTY SAND (SM) - some fines, few gravel, trace cobbles, medium dense, moist to wet, well-graded, fine sand to coarse sand, subangular to angular, low plasticity, gray (10YR 5/1)
241	30		36210	SM	
240–239	31–32		36211	SM	SILTY SAND (SM) - till deposited with some fines, little gravel, few cobbles, dense, dry to moist, well-graded, fine sand to coarse gravel, angular, non-plastic, gray (10YR 5/1)
238–236	33–35		36212	ML	SANDY SILT (ML) - pulzivered till deposited with some fines, little gravel, trace cobbles, dense, dry, fine sand to coarse gravel, angular, non-plastic, gray (10YR 6/1)
235	36		36213	SM	SILTY SAND (SM) - little fines, few gravel, medium dense, dry to moist, poorly-graded, fine sand to medium sand, non-plastic, light gray (10YR 7/1)
234–232	37–39		36214	SM	SILTY SAND WITH GRAVEL (SM) - till deposited with some gravel, little fines, few cobbles, very dense, dry, well-graded, fine sand to coarse gravel, subangular to angular, non-plastic, gray (10YR 6/1)
	40				

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Silty Sand with Gravel, Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

Sample No.	PSD (Gravel / Sand / [Silt / Clay] or [Fines])	Moisture Content	Plastic Limit	Liquid Limit
36206	0/1/76/24	28	20	30
36208	2/4/66/27	33	19	28
36210	10/51/36/3	26		
36212	6/35/49/10	7		

SPT Blow Count: 25 (11/17/8)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

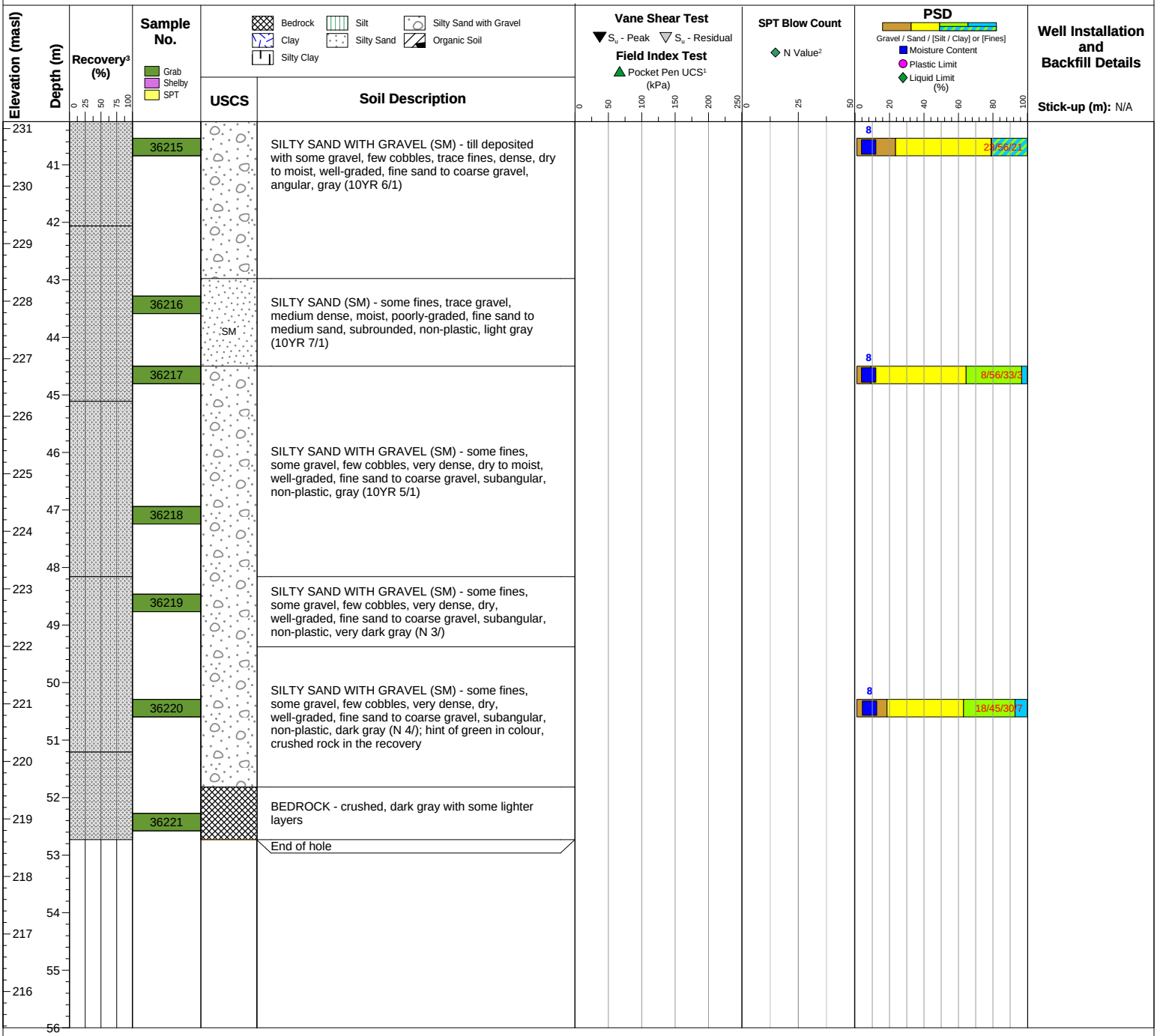
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-OP-BH-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 04-Nov-21 **TO:** 05-Nov-21
COORDINATES: 472928 E 5407952 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.37
TOTAL DEPTH (m): 52.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-OP-BD-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 12-Jan-22 **TO:** 13-Jan-22
COORDINATES: 474997.2 E 5409343.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.9
TOTAL DEPTH (m): 49.4
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Clay; Silt; Silty Sand; Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
275	0		167601	ML	SILT (ML) - very soft, moist to wet, non-plastic, dark brown (10YR 3/3) organics
	1		167602	CH	FAT CLAY (CH) - soft, moist, high plasticity, yellowish brown (10YR 5/4)
274	2				
273	3		167603		FAT CLAY (CH) - trace gravel, soft, moist, high plasticity, gray (10YR 5/1)
272	4				
			167604	ML	SILT (ML) - few sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, gray (10YR 5/1)
271	5				
270	6		167605		SILT (ML) - trace sand, trace gravel, medium stiff, moist, non-plastic, gray (10YR 5/1)
269	7				NO RECOVERY
268	8				
267	9		167606	SP	POORLY GRADED SAND (SP) - silty sand with trace fines, very loose, wet, poorly-graded, fine sand to fine gravel, subrounded, gray (10YR 5/1)
266	10				
			167607		POORLY GRADED SAND (SP) - loose, moist to wet, poorly-graded, fine sand to coarse gravel, subrounded, gray (10YR 5/1)
265	11				
264	12		167608	SM	SILTY SAND (SM) - some fines, medium dense, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, low plasticity, gray (10YR 5/1)
263	13		167609		
262	14				
261	15		167610	ML	SILT (ML) - little sand, very stiff, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, medium plasticity, gray (10YR 5/1)
260	16		167611		
259	17				
258	18				
257	19		167612		SILT (ML) - little sand, very stiff, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, medium plasticity, very dark gray (10YR 3/1)
256	20				POORLY GRADED SAND (SP) - trace fines, loose,

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 20 40 60 80 100

23
4/17/48
50
Refusal

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

Bedrock, No Recovery, Clay, Silty Clay, Silt, Silty Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
275	0				
274	1				
273	2				
272	3				
271	4				
270	5				
269	6				
268	7				
267	8				
266	9				
265	10				
264	11				
263	12				
262	13				
261	14				
260	15				
259	16				
258	17				
257	18				
256	19				
255	21		167613		moist, poorly-graded, fine sand to fine sand, rounded, gray (10YR 6/1)
			167614		
254	22				POORLY GRADED SAND (SP) - trace gravel, medium dense, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1); more moist from 21.3-22.3m
253	23		167615	SP	
252	24		167616		POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, gray (10YR 5/1)
251	25				
250	26		167617	CL-ML	SILTY CLAY (CL-ML) - little sand, stiff, moist, poorly-graded, fine sand to medium sand, rounded, low plasticity, gray (10YR 5/1)
249	27				SILTY SAND (SM) - little fines, few gravel, trace cobbles, medium dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, gray (10YR 5/1)
248	28		167618		
247	29			SM	
246	30				SILTY SAND (SM) - little fines, few gravel, trace cobbles, loose, medium dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, gray (10YR 5/1); no recovery from 31.1-32.6m
245	31		167619		
244	32				
243	33		167620	SP	POORLY GRADED SAND (SP) - sandy till deposited with trace fines, few gravel, trace cobbles, medium dense, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
242	34				SILT (ML) - silty till deposited with trace sand, few gravel, trace cobbles, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
241	35		167621		
240	36				
239	37			ML	SILT (ML) - silty till deposited with trace sand, few gravel, trace cobbles, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, grayish brown (10YR 5/2)
238	38		167622		
237	39				
236	40				SILT (ML) - silty till deposited with few sand, few

Vane Shear Test — S_u - Peak, S_u - Residual
Field Index Test — Pocket Pen UCS¹ (kPa): 0, 50, 100, 150, 200, 250

SPT Blow Count — N Value²: 0, 25, 50
22 (2/8/14)
11 (3/4/7)

PSD — Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%): 0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-OP-BD-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 12-Jan-22 **TO:** 13-Jan-22
COORDINATES: 474997.2 E 5409343.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.9
TOTAL DEPTH (m): 49.4
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
235	41		167623		gravel, trace cobbles, soft, moist to wet, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
234	42				NO RECOVERY - washed off
233	43		167624	SP	POORLY GRADED SAND (SP) - sandy gravel with little gravel, loose, moist to wet, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
232	44				NO RECOVERY - material washed off, likely sand, silt mixed with gravel and cobble
231	45				
230	46				
229	47				BEDROCK - dark gray (10YR 4/1) competent bedrock
228	48				
227	49				
226	50				End of hole
225	51				
224	52				

Bedrock, No Recovery, Clay, Silty Clay, Silt, Silty Sand, Poorly Graded Sand
Sample No.: Grab, Shelby, SPT
Recovery³ (%): 0, 25, 50, 75, 100

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²: 0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%): 0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-OP-BD-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 10-Jan-22 **TO:** 10-Jan-22
COORDINATES: 475141 E 5410291 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.07
TOTAL DEPTH (m): 13.4
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
275	0			ML	SILT (ML) - very soft, wet, non-plastic, black (10YR 2/1) organics
274	1		167989	CH	FAT CLAY (CH) - soft, moist, high plasticity, yellowish brown (10YR 5/6)
273	2				
272	3				
271	4		167990		FAT CLAY (CH) - trace gravel, soft, moist, high plasticity, grayish brown (10YR 5/2)
270	5				
269	6		167992		FAT CLAY (CH) - very soft, moist to wet, high plasticity, gray (10YR 5/1)
			167993	SM	SILTY SAND (SM) - silty sand with few sand, trace gravel, very soft, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, gray (10YR 5/1)
268	7		167991	ML	SILT (ML) - silty till deposited with trace sand, trace gravel, very stiff, moist, non-plastic, gray (10YR 5/1)
267	8		167994		
266	9		167995		SILT (ML) - hard, moist, low plasticity, gray (10YR 5/1) silty clay
265	10		167996		SILT (ML) - few sand, trace gravel, soft, moist, poorly-graded, fine sand to fine gravel, rounded to subrounded, non-plastic, gray (10YR 5/1) silty sand
264	11				
263	12				BEDROCK - very dark grayish brown (10YR 3/2) competent bedrock
262	13		167997		
	14				End of hole

Bedrock, Silt, Silty Sand, Clay

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100

12
10/42/41/8

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-OP-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 22-Feb-22 **TO:** 22-Feb-22
COORDINATES: 472190.9 E 5409527 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.1
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): 0.2 (Frozen-measured on March 03, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
268	0		167352	ML	SILT (ML) - non-plastic, very soft, moist to wet, black (10YR 2/1) organics
267	1		167353		FAT CLAY (CH) - high plasticity, very soft, moist, very pale brown (10YR 7/4)
266	2				
265	3				
264	4				FAT CLAY (CH) - clay with trace sand, trace cobbles, high plasticity, very soft, moist, gray (10YR 5/1)
263	5		167354		
262	6				
261	7				
260	8		167355		FAT CLAY (CH) - clay with trace sand, trace gravel, high plasticity, very soft, moist, dark gray (10YR 4/1)
259	9		167356		
258	10				
257	11		167357	CH	
256	12				
255	13				
254	14		167358		FAT CLAY (CH) - high plasticity, very soft, moist, dark gray (10YR 4/1)
253	15				
252	16				
251	17		167359		
250	18				
249	19				
248	20				FAT CLAY (CH) - high plasticity, very soft, moist,

Bedrock, Clay, Silty Clay, Silt, Silty Gravel

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 50, 100, 150, 200, 250
57
16
26
8

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100
0/1/38/61
19
41

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK22-OP-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 22-Feb-22 **TO:** 22-Feb-22
COORDINATES: 472190.9 E 5409527 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.1
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): 0.2 (Frozen-measured on March 03, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silty Clay | Silty Gravel | Clay | Silt

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
248	20				gray (10YR 5/1)
247	21				
246	22				
245	23		167360		
244	24				SILTY CLAY (CL-ML) - medium plasticity, very soft, moist, gray (10YR 5/1)
243	25			CL-ML	
242	26				
241	27				SILTY CLAY (CL-ML) - medium stiff, moist, gap-graded, medium plasticity, very soft, moist, gray (10YR 5/1)
240	28		167361		
239	29		167351		SILT (ML) - silty till deposited with few sand, little gravel, trace cobbles, non-plastic, medium stiff, moist, well-graded, fine sand to coarse gravel, subangular
			167362		
238	30				
237	31			ML	SILT (ML) - little sand, little gravel, non-plastic, medium stiff, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, slow dilatency, gray (10YR 5/1)
236	32		167363		
235	33				
234	34			GM	SILTY GRAVEL (GM) - till deposited with little fines, few sand, few cobbles, non-plastic, dense, moist, well-graded, fine sand to coarse gravel, subangular, black (10YR 2/1)
233	35		167364		
232	36				BEDROCK - black
231	37				
230	38		167365		
229	39				End of hole
	40				

PSD: 16; 3/15/80/3

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand | PVC | Chips | Screen | Bentonite

srk consulting

DRILLHOLE ID: SRK22-OP-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 04-Jan-22 **TO:** 06-Jan-22
COORDINATES: 473835.5 E 5410433 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.6
TOTAL DEPTH (m): 33.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
277	0		167956	ML	SILT (ML) - very soft, moist to wet, non-plastic, black (10YR 2/1) organics
276	1		167957	CH	FAT CLAY (CH) - soft, moist, high plasticity, yellow (10YR 7/6)
275	2			CH	FAT CLAY (CH) - very soft, moist to wet, high plasticity, brownish yellow (10YR 6/6)
274	3		167958	ML	SILT (ML) - very soft, moist to wet, non-plastic, black (10YR 2/1) organic
273	4		167959	CH	FAT CLAY (CH) - very soft, moist, high plasticity, gray (10YR 5/1)
272	5		167960	CH	FAT CLAY (CH) - trace gravel, very soft, moist, high plasticity, dark gray (10YR 4/1)
271	6			CH	
270	7		167961	CH	
269	8			CH	
268	9			CH	
267	10		167962	CH	FAT CLAY (CH) - very soft, moist, high plasticity, gray (10YR 5/1)
266	11		167963	CH	
265	12			CH	
264	13			CH	
263	14		167964	CH	
262	15		167965	ML	SILT (ML) - trace sand, trace gravel, very soft, wet, non-plastic, gray (10YR 6/1) wet silt
261	16			ML	SILT (ML) - silty till deposited with trace sand, hard, moist, low plasticity, dark gray (10YR 4/1)
260	17		167966	ML	
259	18		167967	ML	SILT (ML) - trace sand, very soft, moist, non-plastic, gray (10YR 5/1)
258	19			ML	
	20		167968	ML	SILT (ML) - trace sand, trace gravel, very soft, moist, non-plastic

Bedrock | Clay | Silt

Grab | Shelby | SPT

Vane Shear Test
S_u - Peak ▽ 20, 19
S_u - Residual ▽ 129, 60

Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-OP-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 04-Jan-22 **TO:** 06-Jan-22
COORDINATES: 473835.5 E 5410433 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.6
TOTAL DEPTH (m): 33.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
257	21				
256	22			ML	SILT (ML) - till deposited with trace sand, trace gravel, soft, moist, non-plastic, gray (10YR 5/1); wet part from 20.7-21.3m is due water ponding from drilling
255	23		167970		
254	24				
253	25				SILT (ML) - till deposited with trace sand, few gravel, medium stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
252	26				
251	27				
250	28		167971		SILT (ML) - till deposited with trace sand, few gravel, hard, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
249	29		167972		
248	30				SILT (ML) - till deposited with trace sand, few gravel, hard, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1), hit bedrock at 30.5m
247	31		167973		BEDROCK - dry, gray (10YR 5/1) bedrock (Pulverized)
246	32				
245	33		167974		BEDROCK - very dark gray (10YR 3/1)
244	34				End of hole

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
SPT Blow Count: N Value²
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

SPT: 1 — 1/1/0**

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-OP-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 15-Jan-22 **TO:** 16-Jan-22
COORDINATES: 474415.9 E 5409303.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.7
TOTAL DEPTH (m): 50.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
276	0			OH	ORGANIC SOIL (OH)
275	2		167626		
274	3				FAT CLAY (CH) - soft, moist, high plasticity, gray (10YR 5/1)
273	4		167627	CH	
272	5				FAT CLAY (CH) - trace gravel, very soft, moist, high plasticity, dark gray (10YR 4/1)
271	6				
270	7		167628		
			167629		
269	8			GP	POORLY GRADED GRAVEL (GP) - rock, very dark gray
268	9				
267	10				
266	11		167630		
265	12		167631		
264	13		167632	SM	SILTY SAND (SM) - little fines, loose, moist to wet, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, gray (10YR 5/1)
263	14				
262	15		167633		
261	16				
260	17		167634		POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand to fine sand, rounded to subrounded, gray (10YR 5/1)
259	18		167635	SP	
258	19				POORLY GRADED SAND (SP) - sand with silt and few fines, loose, moist, poorly-graded, fine sand to medium sand, subrounded, non-plastic, gray (10YR 5/1)
257	20		167636		

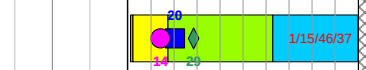
Bedrock, Clay, Silt, Silty Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Gravel, Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)





Well Installation and Backfill Details
Stick-up (m): 1.1

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK22-OP-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 15-Jan-22 **TO:** 16-Jan-22
COORDINATES: 474415.9 E 5409303.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.7
TOTAL DEPTH (m): 50.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Gravel, Organic Soil

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
256	21		167637	ML	SANDY SILT (ML) - silt with few sand, soft, moist, poorly-graded, fine sand to medium sand, subrounded, non-plastic, gray (10YR 5/1)
255	22				
254	23		167638		
253	24		167639		SILT (ML) - silt with few sand, trace gravel, trace cobbles, soft, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
252	25				
251	26		167640		SILT (ML) - silt with little sand, trace gravel, trace cobbles, very soft, very wet, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
			167641	SP	POORLY GRADED SAND (SP) - sand with few fines, trace gravel, trace cobbles, loose, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
250	27		167642	ML	
249	28				SILT (ML) - few sand, trace gravel, trace cobbles, soft, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
248	29		167643		
247	30				
246	31				SILT (ML) - till deposited with trace sand, few gravel, trace cobbles, very stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
245	32		167644		
244	33				
243	34				SILT (ML) - till deposited with few gravel, trace cobbles, hard, dry to moist, non-plastic, dark gray (10YR 4/1)
242	35		167645		
241	36		167646		
240	37		167647		
239	38				
238	39		167648		
237	40		167649		POORLY GRADED SAND (SP) - very loose, poorly-graded, fine sand to medium sand, subrounded, gray (10YR 5/1)

SPT Blow Count: N Value[2]
25 (4/6/19)
14 (2/5/9)
9 (2/3/6)
50 (Refusal)

PSD: 14 (0/39/55/6)

Well Installation and Backfill Details
Stick-up (m): 1.1

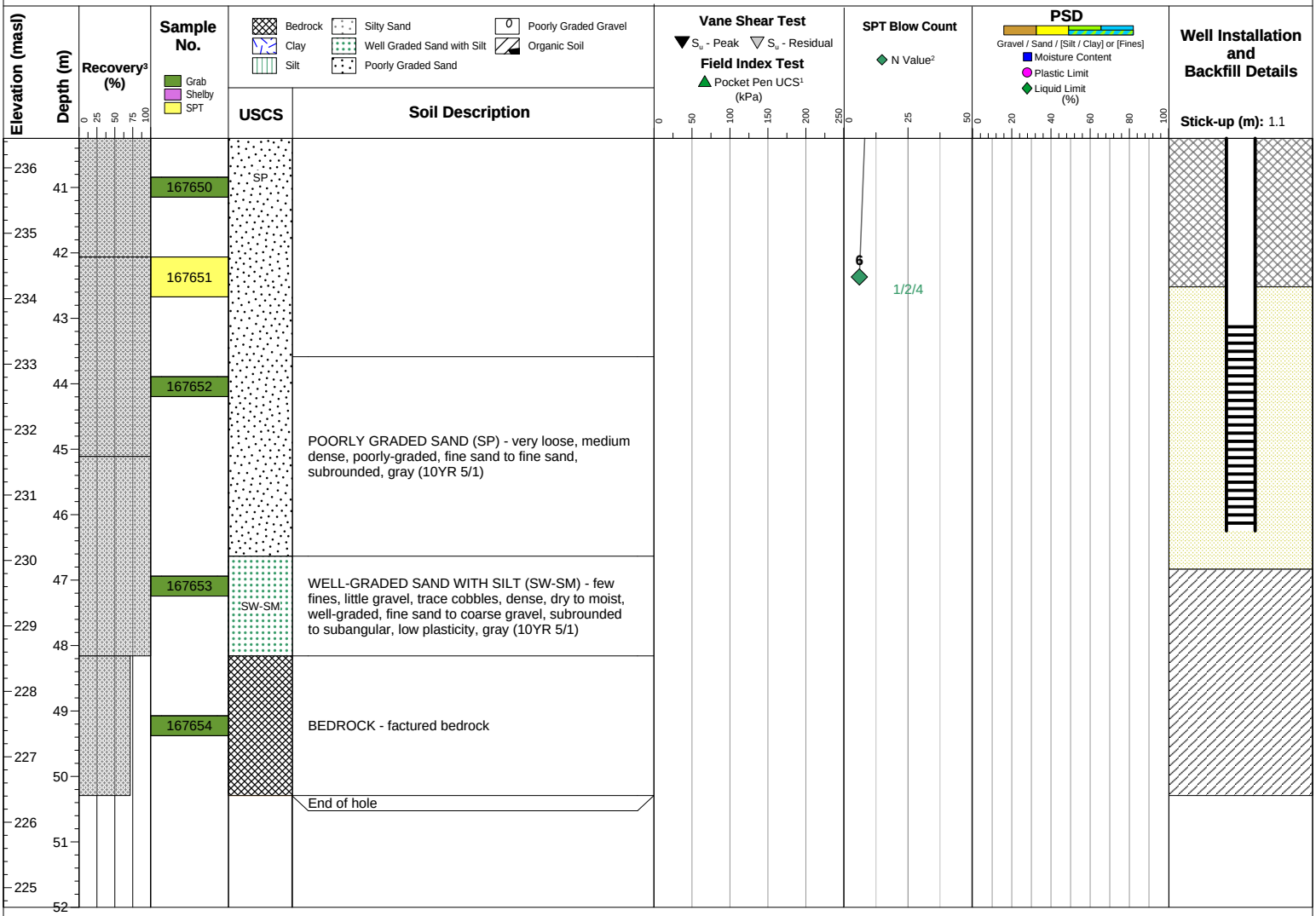
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

DRILLHOLE ID: SRK22-OP-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas MacMann

DRILLING DATE: 15-Jan-22 **TO:** 16-Jan-22
COORDINATES: 474415.9 E 5409303.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 276.7
TOTAL DEPTH (m): 50.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand | PVC | Chips | Screen
Bentonite

DRILLHOLE ID: SRK22-OP-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 13-Feb-22 **TO:** 14-Feb-22
COORDINATES: 474060 E 5407864 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.2
TOTAL DEPTH (m): 41.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
272	0			ML	SILT (ML) - very soft, moist, non-plastic, black (10YR 2/1) organics
271	1				
270	2		167717	CH	FAT CLAY (CH) - soft, moist, high plasticity, light yellowish brown (10YR 6/4)
			167718		
269	3				
268	4		167719		FAT CLAY (CH) - trace gravel, very soft, moist, high plasticity, gray (10YR 5/1)
267	5		167720		
266	6			CL	LEAN CLAY WITH SAND (CL) - trace gravel, trace sand, medium stiff, moist, high plasticity; contains angular fine gravel
265	7		58225		
264	8				
263	9				
262	10				FAT CLAY (CH) - trace gravel, trace sand, medium stiff, moist, high plasticity; contains few subangular to subrounded gravel
261	11				
260	12		58226		
259	13				FAT CLAY (CH) - trace gravel, trace sand, trace fine. medium stiff, moist, high plasticity; contains subangular gravel
258	14		58227		
257	15				
256	16		58228		
255	17				
254	18				
253	19			CH	
	20				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test Pocket Pen UCS[1] (kPa)
Values: 27, 14, 25, 12

SPT Blow Count N Value[2]

PSD Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)
Values: 10, 15, 29, 0/11/56/32; 22, 14, 26, 1/30/55/24

Well Installation and Backfill Details
Stick-up (m): 1

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

DRILLHOLE ID: SRK22-OP-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 13-Feb-22 **TO:** 14-Feb-22
COORDINATES: 474060 E 5407864 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.2
TOTAL DEPTH (m): 41.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Silty Clay, Silt, Clay

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
252	20		58229		
251	21				FAT CLAY (CH) - trace gravel, trace sand, medium stiff, moist, high plasticity
250	22		167721		
249	23				
248	24		167722		
247	25				
246	26				
245	27				
244	28		167723		
243	29		167724		
242	30				
241	31				
240	32		167725	CL-ML	SILTY CLAY (CL-ML) - till deposited with few sand, trace gravel, very stiff, dry to moist, well-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, munsel (5/10B)
239	33				
238	34		167726		
237	35				
236	36				
235	37			ML	SILT (ML) - till deposited with few gravel, trace cobbles, hard, dry to moist, low plasticity, dark gray (10YR 4/1)
234	38		167727		
233	39				
232	40				BEDROCK - dark gray (10YR 4/1)

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 50, 100, 150, 200, 250

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0, 20, 40, 60, 80, 100

6 16/27/4/13
6 3/35/49/13
7 3/34/27/17

Well Installation and Backfill Details
Stick-up (m): 1

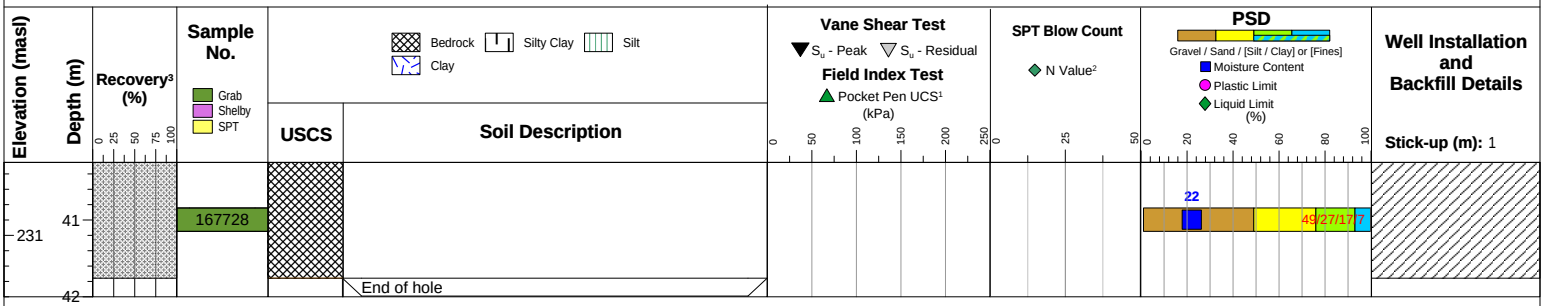
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

DRILLHOLE ID: SRK22-OP-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 13-Feb-22 **TO:** 14-Feb-22
COORDINATES: 474060 E 5407864 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.2
TOTAL DEPTH (m): 41.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand | PVC | Chips | Screen
Bentonite

DRILLHOLE ID: SRK22-OP-BH-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas MacMann

DRILLING DATE: 23-Feb-22 **TO:** 24-Feb-22
COORDINATES: 472336 E 5408043 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.69
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Boulder | Clay | Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
268	0–1		167366	OH	ORGANIC SOIL (OH)
267	1–2		167367		LEAN CLAY (CL) - trace gravel, medium plasticity, soft, moist, brown (10YR 5/3)
266	2–3				
265	3–4				
264	4–5		167368		
263	5–6		167369		
262	6–7				
261	7–8		167370		
260	8–9				
259	9–10				
258	10–11		167371	CL	
257	11–12		167372		LEAN CLAY (CL) - lacustrine clay deposited with trace sand, high plasticity, very soft, moist, gray (10YR 5/1)
256	12–13				
255	13–14				
254	14–15		167373		
253	15–16				
252	16–17				
251	17–18				
250	18–19				
249	19–20			CH	FAT CLAY (CH) - lacustrine clay deposited with trace sand, high plasticity, medium stiff, moist, gray

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 50 100 150 200 250
33
11
52
20

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit (%)
0 20 40 60 80 100
22
16
20
1/18/46/35
49
28
46
0/0/39/61

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-OP-BH-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas MacMann

DRILLING DATE: 23-Feb-22 **TO:** 24-Feb-22
COORDINATES: 472336 E 5408043 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.69
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
					(10YR 5/1)
248	20		167375		
	21		167374		
247	22				
246	23			CL	LEAN CLAY (CL) - lacustrine clay deposited with trace gravel, medium plasticity, very soft, moist to wet, gray (10YR 5/1)
245	24		167376		
244	25				
243	26				SILT (ML) - silt with trace gravel, low plasticity, stiff, dry, gray (5YR 5/1)
242	27			ML	SILT (ML) - silt with trace gravel, non-plastic, very stiff, dry, slow dilatency, gray (5Y 5/1)
241	28				
240	29		167377		
239	30		167378		
238	31				
237	32				BOULDER
236	33			ML	SILT (ML) - few gravel, non-plastic, very stiff, dry, well-graded, gray (10YR 5/1) ; crushed rock found between 32.6-32.9m
235	34				
234	35		167379		SILT (ML) - few gravel, trace cobbles, non-plastic, dry, gap-graded, dark gray (10YR 4/1)
233	36				
232	37				
231	38				SILT (ML) - few gravel, trace cobbles, non-plastic, dense, stiff, dry to moist, gap-graded, gray (10YR 5/1)
230	39				BOULDER
229	40				

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
SPT Blow Count: N Value²
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

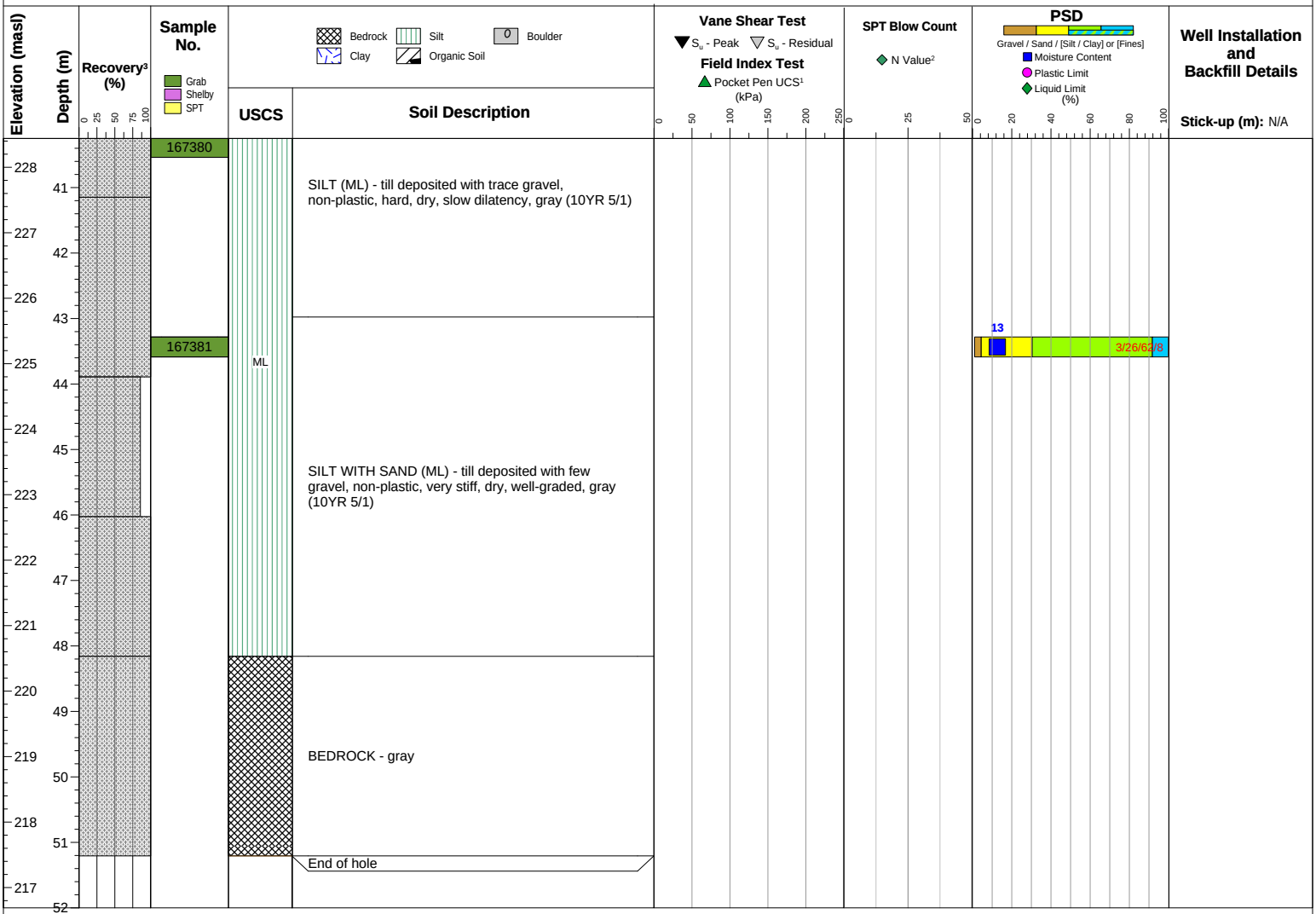
Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-OP-BH-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas MacMann

DRILLING DATE: 23-Feb-22 **TO:** 24-Feb-22
COORDINATES: 472336 E 5408043 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.69
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for OP-BH-04 and OP-BD-10 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-PF-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 11-Nov-21 **TO:** 11-Nov-21
COORDINATES: 470436 E 5408143 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.75
TOTAL DEPTH (m): 29.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Well Graded Sand | Poorly Graded Sand | Silt

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
275	0			ML	SILT (ML) - organics with some sand, few gravel, soft, moist, poorly-graded, fine sand to coarse sand, rounded, low plasticity, homogeneous, brown (10YR 5/3)
274	1				
273	2		58371	SP	POORLY GRADED SAND (SP) - sand (fill material) with loose, dry, poorly-graded, fine sand to medium sand, rounded, homogeneous, light yellowish brown (10YR 6/4)
272	3				
271	4		58372		
270	5				
269	6		58373	SW	WELL-GRADED SAND (SW) - sand with trace gravel, loose, moist, well-graded, fine sand to coarse sand, subrounded to subangular, homogeneous, light yellowish brown (10YR 6/4)
268	7				WELL-GRADED SAND (SW) - sand with trace fines, trace gravel, loose, moist, well-graded, fine sand to coarse sand, subangular to angular, weak cementation, lensed, light brownish gray (10YR 6/2)
267	8			SW	WELL-GRADED SAND (SW) - glaciofluvial sand with trace gravel, loose, moist to wet, well-graded, medium sand to coarse sand, subrounded to subangular, homogeneous, yellowish brown (10YR 5/4)
266	9		58374		WELL-GRADED SAND (SW) - glaciofluvial sand with trace gravel, trace cobbles, medium dense, moist, well-graded, medium sand to fine gravel, subangular to angular, homogeneous, light yellowish brown (10YR 6/4)
265	10				
264	11			SP	POORLY GRADED SAND (SP) - glaciofluvial sand with trace gravel, loose, moist, poorly-graded, fine sand to coarse sand, subrounded to subangular, homogeneous, light brownish gray (10YR 6/2)
263	12				
262	13		58375		
261	14				
260	15				
259	16				
258	17			SP	POORLY GRADED SAND (SP) - glaciofluvial sand with few gravel, loose, moist to wet, poorly-graded, medium sand to fine gravel, subrounded to subangular, homogeneous, light yellowish brown (10YR 6/4)
257	18				
256	19		58376		
	20				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0 100 200 300 400 500

SPT Blow Count
N Value[2]
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

Depth (m)	N Value	Blow Count
2	46	24/22/24
7	16	3/9/7
9	18	5/9/9
10	29	8/10/19
12	34	12/14/20
19	22	3/7/15

Well Installation and Backfill Details
Stick-up (m): N/A

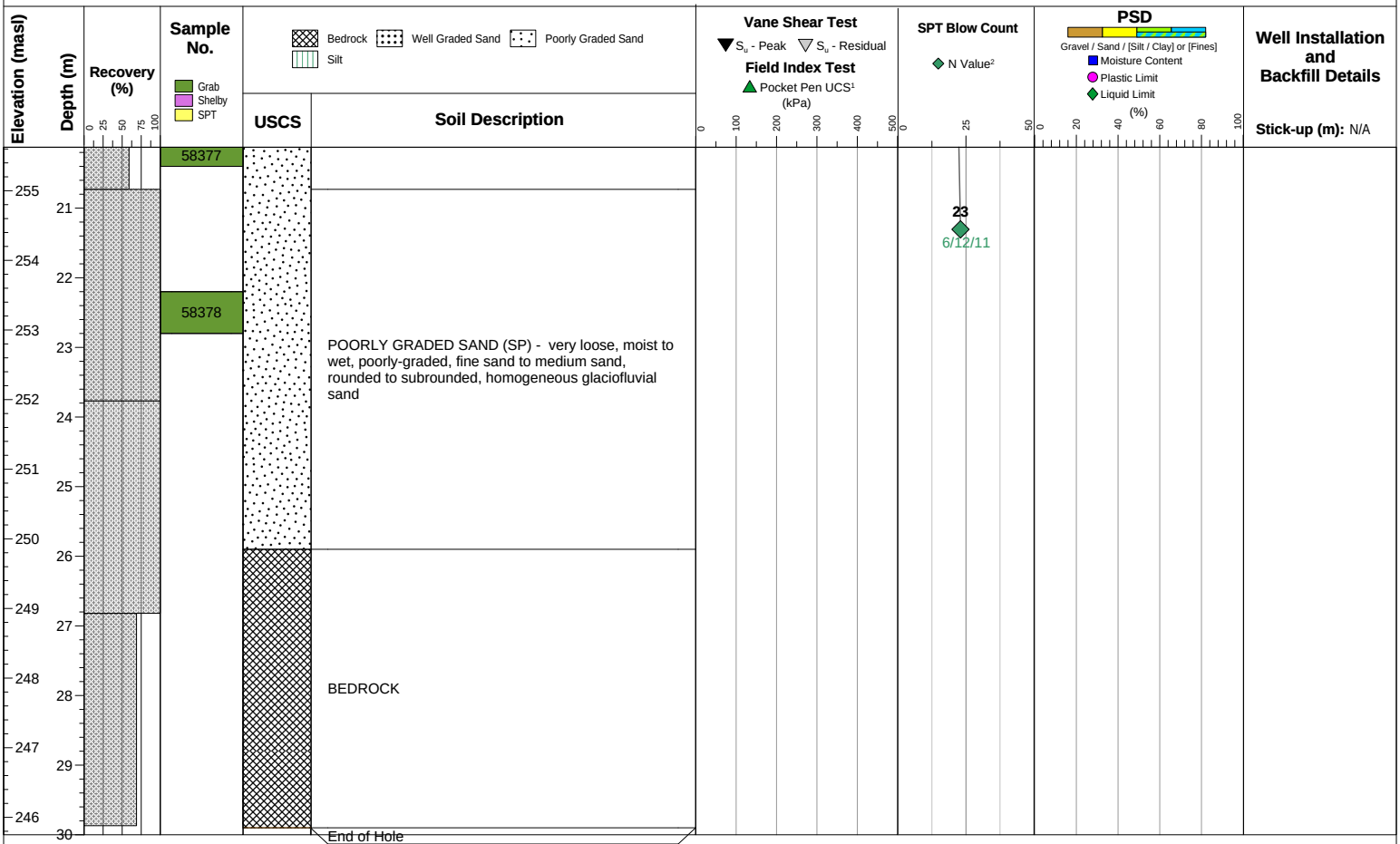
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-PF-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 11-Nov-21 **TO:** 11-Nov-21
COORDINATES: 470436 E 5408143 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.75
TOTAL DEPTH (m): 29.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-PF-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 13-Nov-21 **TO:** 14-Nov-21
COORDINATES: 470627.7 E 5407773.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.86
TOTAL DEPTH (m): 20.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
272	0–1				FAT CLAY (CH) - lacustrine clay deposited with trace gravel, very stiff, dry, high plasticity, homogeneous, brown (10YR 5/3)
271	1–2		58379		
270	2–3				
269	3–4			CH	
268	4–5				FAT CLAY (CH) - lacustrine soft clay deposited with moist to wet, high plasticity, laminated (10 mm), gray (10YR 5/1)
267	5–6		58380		
266	6–7				
265	7–8				
264	8–9				
263	9–10		58381		SILTY SAND (SM) - glaciofluvial silt with some fines, medium dense, wet, poorly-graded, fine sand to fine sand, rounded, non-plastic, rapid dilatency, homogeneous, brownish yellow (10YR 6/6)
262	10–11				
261	11–12		58382	SM	SILTY SAND (SM) - glaciofuvial silt with some fines, dense, wet, fine sand to fine sand, rounded, non-plastic, rapid dilatency, homogeneous, gray (10YR 6/1), has a liquefiable layer
260	12–13				
259	13–14				
258	14–15		58383		
257	15–16				BEDROCK - dry, homogeneous, black (10YR 2/1)
256	16–17				
255	17–18				BEDROCK - homogeneous, greenish black (10Y 2.5/1)
254	18–19				
253	19–20				

Bedrock, Clay, Silty Sand

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400, 500
490
52
30
147
99
24

SPT Blow Count
N Value[2]
0, 25, 50
5
2/2/3
8
4/5/3

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
33
0/0/37/63
20
0/86/14
19
0/53/47
21
0/75/24/1

Well Installation and Backfill Details
Stick-up (m): 1.1

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK21-PF-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 13-Nov-21 **TO:** 14-Nov-21
COORDINATES: 470627.7 E 5407773.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.86
TOTAL DEPTH (m): 20.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
252	21				End of Hole				Stick-up (m): 1.1

Bedrock, Clay, Silty Sand

Recovery (%): 0, 25, 50, 75, 100

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual

Field Index Test: Pocket Pen UCS[1] (kPa): 0, 100, 200, 300, 400, 500

SPT Blow Count: N Value[2]: 0, 25, 50

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%): 0, 20, 40, 60, 80, 100

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

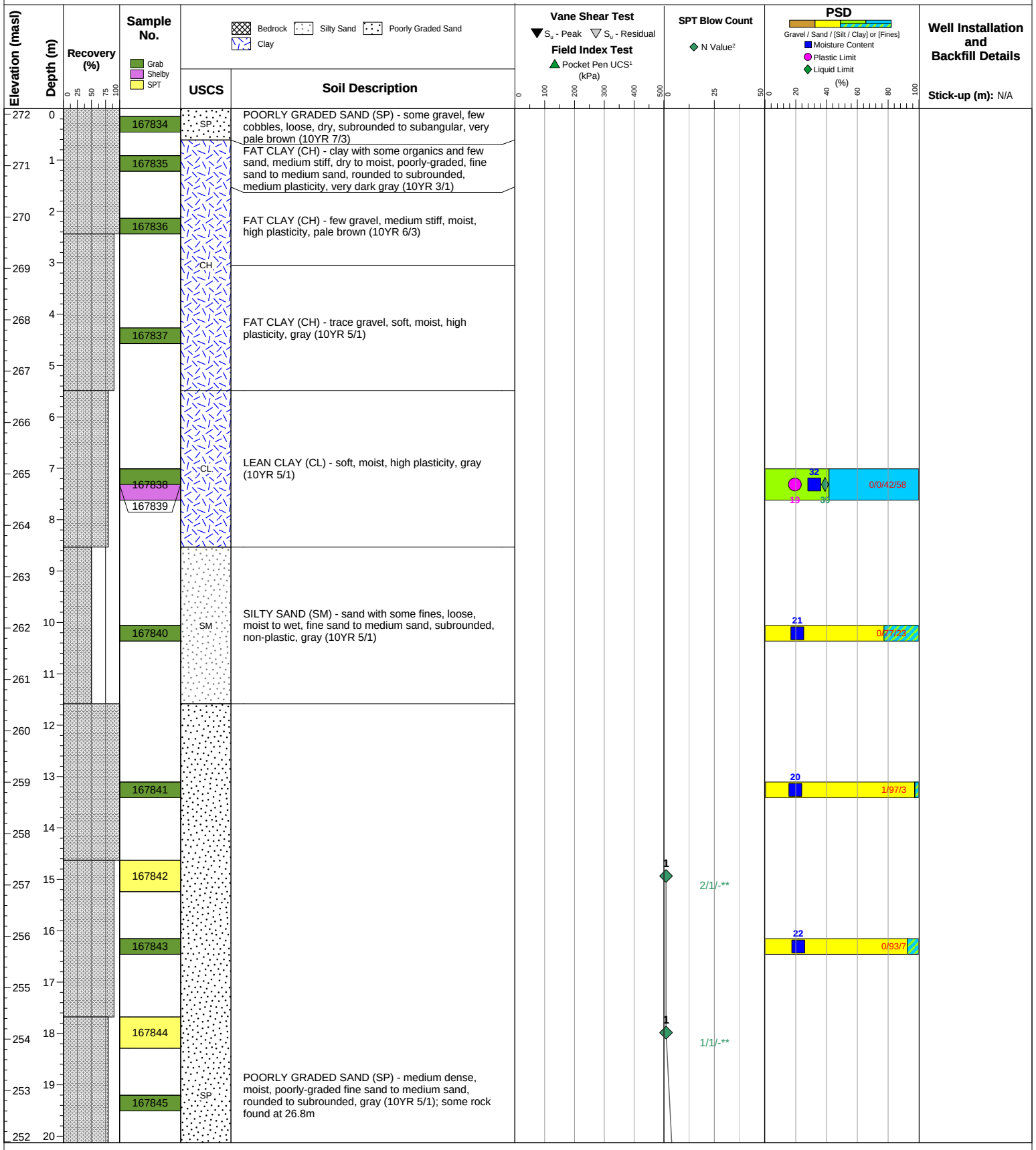
Well Installation Details
Sand, PVC, Chips, Screen, Bentonite

srk consulting

DRILLHOLE ID: SRK21-PF-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 12-Dec-21 **TO:** 13-Dec-21
COORDINATES: 469821 E 5409116 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.11
TOTAL DEPTH (m): 44.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-PF-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 12-Dec-21 **TO:** 13-Dec-21
COORDINATES: 469821 E 5409116 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.11
TOTAL DEPTH (m): 44.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
252	20				
251	21				
250	22		167846		
249	23				
248	24		167847		
247	25				
246	26		167848		
245	27			SM	SILTY SAND (SM) - few gravel, medium dense, moist, fine sand to fine gravel, subrounded to subangular
244	28		167849		
243	29				
242	30		167850		
241	31				
240	32		167951		
239	33				
238	34				
237	35		167952	SP	POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded fine sand to fine sand, rounded to subrounded, gray (10YR 5/1); no recovery from 39.0-41.1m
236	36				
235	37				
234	38		167953		
233	39				
232	40				

Bedrock, Silty Sand, Poorly Graded Sand, Clay

Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)

SPT Blow Count
N Value[2]

Depth (m)	N Value	Blow Count
24	9	3/4/5
30	6	1/2/4
36	1	1/1/-**

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Depth (m)	Moisture Content	Gravel / Sand / [Silt / Clay] or [Fines]	Plastic Limit	Liquid Limit
24	22	0/98/3		
25	17	0/95/5		
27	14	23/64/13		
31	16	0/88/11/1		
35	16	0/91/9		
37	15	0/95/6		

Well Installation and Backfill Details
Stick-up (m): N/A

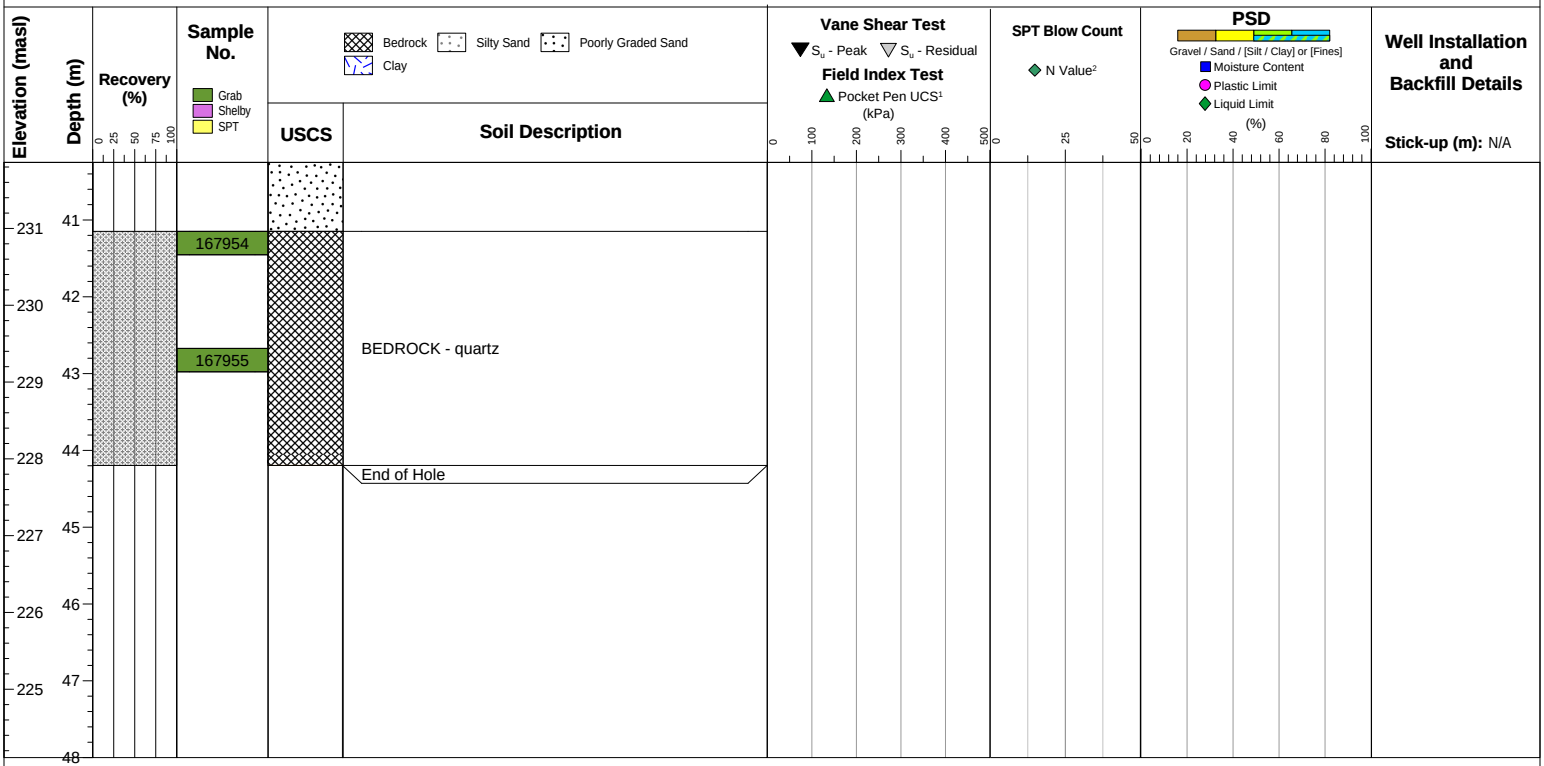
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-PF-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 12-Dec-21 **TO:** 13-Dec-21
COORDINATES: 469821 E 5409116 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.11
TOTAL DEPTH (m): 44.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-PF-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 08-Mar-22 **TO:** 09-Mar-22
COORDINATES: 470720.2 E 5409122.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.15
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
268	0		167283	OH	ORGANIC SOIL (OH) - frozen with organics
			167284	ML	SILT (ML) - low plasticity, stiff, moist to wet, dark grayish brown (10YR 4/2)
267	1		167285		FAT CLAY (CH) - trace sand, high plasticity, medium stiff, moist to wet, light brownish gray (10YR 6/2) mottled with sone darker brown grays and oxidization
266	2			CH	FAT CLAY (CH) - trace sand, high plasticity, stiff, moist, grayish brown (10YR 5/2)
265	3		167286		FAT CLAY (CH) - trace sand, high plasticity, very soft, moist, dark gray (10YR 4/1)
264	4		167287		FAT CLAY (CH) - trace sand, high plasticity, soft, moist, light brownish gray (10YR 6/2)
			167288		FAT CLAY (CH) - trace sand, high plasticity, medium stiff, moist, dark grayish brown (10YR 4/2)
263	5				
262	6		167289		
261	7				
			167290		
260	8				
259	9				
258	10				
			167291		
257	11				
256	12		167292		LEAN CLAY (CL) - trace sand, high plasticity, very soft, moist, dark gray (10YR 4/1)
255	13			CL	
254	14				
253	15				
			167293		
252	16				
251	17				
250	18		167294		
249	19				
			167295		
248	20				LEAN CLAY (CL) - trace sand, high plasticity, soft,

Bedrock, Silt, Organic Soil, Clay

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400, 500
343
147
294
247
270
32
20
35
15
60
34

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
47
0/0/29/70
28
46
35
0/0/56/44
18
34

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-PF-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 08-Mar-22 **TO:** 09-Mar-22
COORDINATES: 470720.2 E 5409122.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.15
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
248					moist, gray (10YR 5/1)
247	21				
246	22				
245	23		167296		SILT (ML) - few sand, medium plasticity, soft, moist to wet, poorly-graded, rounded, gray (10YR 5/1)
244	24				
243	25				
242	26				
241	27				
240	28				
239	29				
238	30			ML	SILT (ML) - few sand, low plasticity, soft, wet, poorlygraded, fine sand, gray (10YR 5/1); easily liquifiable; no recovery from 26.8-29.9m
237	31				
236	32				
235	33		167297		
234	34		167298		
233	35				
232	36		167299		
231	37				SILT (ML) - till deposited with some sand, few gravel, trace cobbles, low plasticity, hard, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
230	38				
229	39				
228	40		167300		

Bedrock, Silt, Organic Soil, Clay

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400, 500

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

31 — 0/1/80/19
18 — 0/11/83/6
15 — 0/34/63/3
7 — 6/42/47/5

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

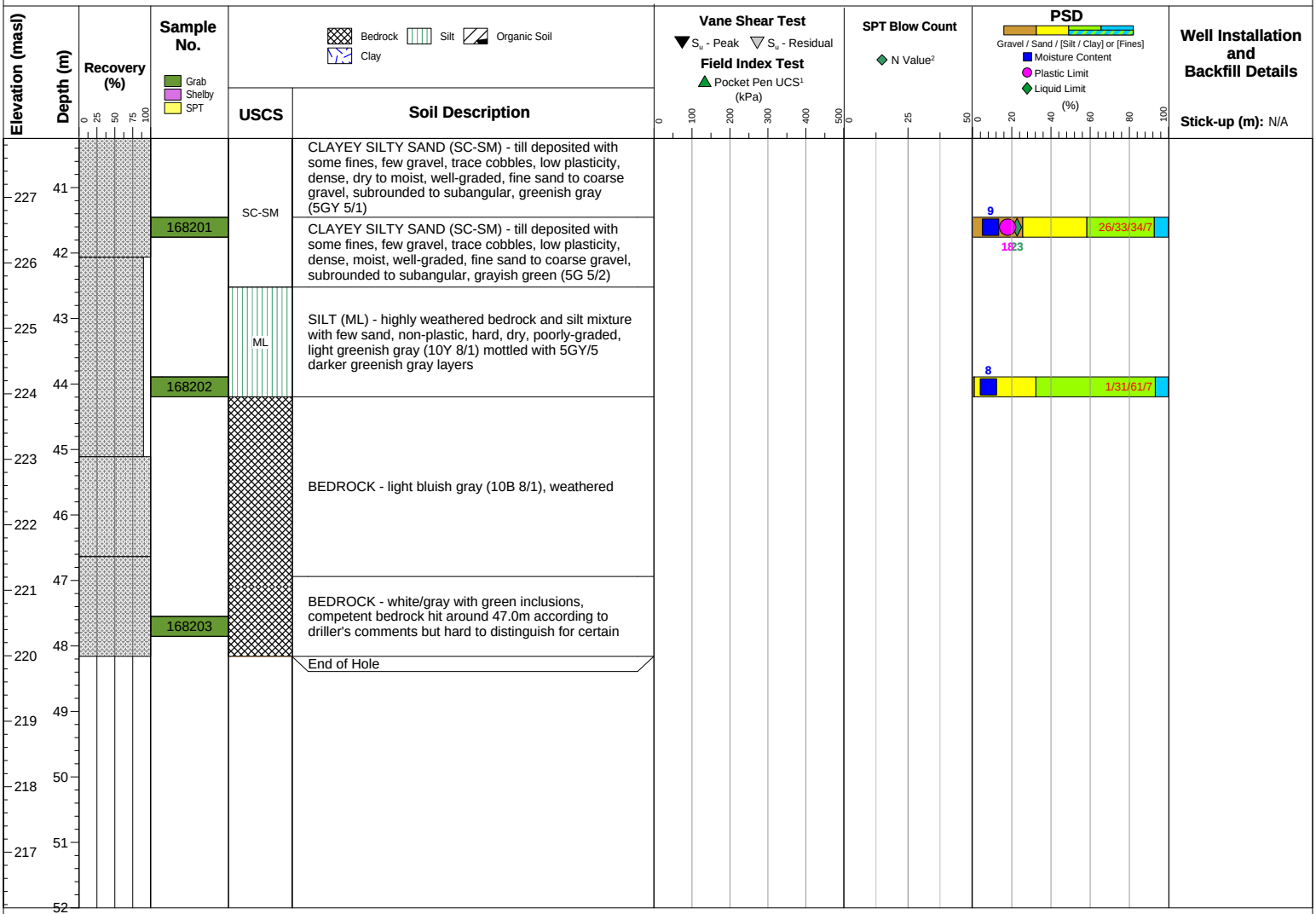
Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-PF-BH-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 08-Mar-22 **TO:** 09-Mar-22
COORDINATES: 470720.2 E 5409122.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.15
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-SOS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 16-Oct-21 **TO:** 17-Oct-21
COORDINATES: 472808.7 E 5407687 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.5
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand with Silt, Poorly Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test: Pocket Pen UCS[1] (kPa)	SPT Blow Count: N Value[2]	PSD: Gravel / Sand / [Silt / Clay] or [Fines] (%)
271	0			OH	ORGANIC SOIL (OH)			
			58427		FAT CLAY (CH) - very stiff, moist, high plasticity, grayish brown (2.5Y 5/2) mottled with varying gray/browns			
270	1		58428					
				CH	FAT CLAY (CH) - soft, moist to wet, high plasticity, light brownish gray (10YR 6/2) mottled with varying gray/browns; organics/clays from surface pushed down into this run			
269	2							
	3							
268			58429		FAT CLAY (CH) - few sand, trace gravel, very stiff, moist, well-graded, fine sand to fine gravel, subrounded to subangular, high plasticity, grayish brown (2.5Y 5/2) mottled with varying gray/browns organics/clays from surface pushed down into this run			
	4							
267	5							
266			58430					
	6		58431		LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, high plasticity, gray (10YR 5/1)	26 / 11		
265	7							
264			58432					
	8							
263	9			CL				
262								
	10							
261			58433					
	11							
260			58434		LEAN CLAY (CL) - very soft, moist to wet, high plasticity, gray (5Y 6/1), contains 2cm layers of dark (4/1) and softer light (6/1) gray clay	31 / 6		
259	12							
258	13							
			58435					
257	14							
	15			CL-ML	SILTY CLAY (CL-ML) - little sand, trace gravel, very soft, wet, well-graded, fine sand to fine gravel, subangular, high plasticity, gray (5Y 6/1); sample flushed but visibly clay with sand, possibly a transition to silt in this run			
256								
	16							
255								
254	17							
	18							
253			58436	SM	SILTY SAND (SM) - little fines, very loose, wet, well-graded, fine sand to coarse sand, subangular to angular, non-plastic, gray (N 6/); no recovery from 58-68ft run, visible sample contained predominantly coarse sand			
	19							
252								
	20							

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-SOS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 16-Oct-21 **TO:** 17-Oct-21
COORDINATES: 472808.7 E 5407687 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.5
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand with Silt, Poorly Graded Sand, Well Graded Gravel, Organic Soil

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
251	20		58437		
250	21		58438	SW-SM	SILTY SAND (SM) - some fines, trace gravel, trace cobbles, loose, wet, poorly-graded, fine sand, subrounded to subangular, non-plastic, gray (N 6/); end sample recovered from drillrig platform
249	22		58439		WELL-GRADED SAND WITH SILT (SW-SM) - little gravel, little cobbles, few fines, loose, wet, well-graded, fine sand to coarse gravel, subangular to angular, non-plastic, gray (N 6/)
248	23		58440	SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, very dense, dry to moist, well-graded, fine sand to coarse gravel, angular, non-plastic, gray (N 6/); horizontal cracking observed, fractured into loose pieces
247	24		58441		
246	25			SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - few gravel, few fines, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (N 6/)
245	26		58442		
244	27		58443	ML	SILT (ML) - some sand, trace gravel, stiff, moist to wet, poorly-graded, fine sand, non-plastic, gray (N 6/)
243	28		58444		
242	29		58445		
241	30			SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - little gravel, few fines, trace cobbles, very dense, moist to wet, well-graded, fine sand to fine gravel, subangular, non-plastic, gray (N 6/)
240	31				
239	32		58446		
238	33				WELL-GRADED SAND WITH SILT (SW-SM) - little gravel, few fines, trace cobbles, very dense, moist to wet, well-graded, fine sand to fine gravel, subangular, non-plastic, gray (N 5/)
237	34		58447		
236	35				
235	36		58448	SM	SILTY SAND (SM) - till mixed with section of broken rock and little fines, little gravel, little cobbles, very dense, dry to moist, well-graded, fine sand to coarse gravel, subangular to angular, non-plastic, bluish gray (5B 5/1)
234	37		58449		
233	38				
232	39		58450	GW	WELL-GRADED GRAVEL (GW) - some sand, little cobbles, trace fines, loose, moist to wet, well-graded, fine sand to coarse gravel, angular
	40			SP	POORLY GRADED SAND (SP) - very loose, wet, poorly-graded, fine sand to medium sand, greenish gray (10G 5/1); 0.3m recovered, assumed flushed out during drilling process

SPT Blow Count: 50 (Refusal); 50 (Refusal); 46 (6/23/23)

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-SOS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 16-Oct-21 **TO:** 17-Oct-21
COORDINATES: 472808.7 E 5407687 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.5
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
231	41				BEDROCK - greenish gray with veins of white, greenish gray sand located between the fractures, likely flushed down from above
230	42		58451		End of hole
229	43				
228	44				

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand with Silt, Poorly Graded Sand, Well Graded Gravel, Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 50, 100, 150, 200, 250, 300

SPT Blow Count
N Value[2]
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-SOS-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 14-Oct-21 **TO:** 15-Oct-21
COORDINATES: 472871.1 E 5407106.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.8
TOTAL DEPTH (m): 52.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
268	0		35145	OL	ORGANIC CLAY (OL) - gray (10YR 5/1) clay with vegetation
	1			SW	WELL-GRADED SAND (SW) - sand with little organics, fine roots, and little gravel, loose, moist, well-graded, fine sand to coarse gravel, subangular to angular, dark grayish brown (10YR 4/2)
267	2		35146	OH	ORGANIC SOIL (OH) - peat
			35147	CH	FAT CLAY (CH) - trace sand, trace gravel, medium stiff, moist, high plasticity, light yellowish brown (10YR 6/4) mottled with 5/2 (grayish brown)
266	3		35148		LEAN CLAY (CL) - trace sand, trace gravel, medium stiff, moist, high plasticity, coarse sand to medium sand, grayish brown (10YR 5/2)
265	4				
264	5		35149		
263	6		35150		LEAN CLAY (CL) - trace sand, trace gravel, very soft, medium stiff, moist to wet, high plasticity, gray (10YR 5/1)
262	7		58404		
261	8		58401		
260	9				
259	10				
258	11		58402		LEAN CLAY (CL) - very soft, moist to wet, high plasticity, dark gray (10YR 4/1); some layering with very soft lighter gray clay (8.5-14.6m)
257	12		58403		
256	13			CL	
255	14		58405		
254	15				
253	16		58406		
252	17				
251	18		58407		
250	19				LEAN CLAY (CL) - very soft, moist to wet, high plasticity, gray (N 6/), 5cm layers of very soft light gray clay with 2cm layers of soft 5GY/4 dark greenish gray clay, 17.7-23.2m not recovered
249	20				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test Pocket Pen UCS[1] (kPa): 19, 5, 21, 15, 60, 195

SPT Blow Count N Value[2]

PSD Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-SOS-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 14-Oct-21 **TO:** 15-Oct-21
COORDINATES: 472871.1 E 5407106.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.8
TOTAL DEPTH (m): 52.7
WATER LEVEL (mbgs): N/A

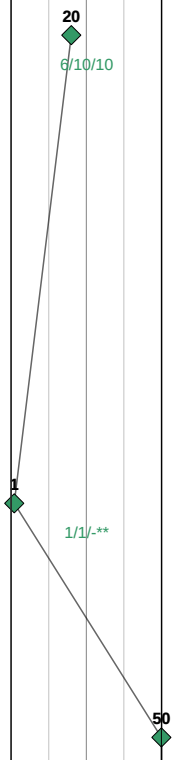
PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
248	21				
247	22				
246	23			SM	SILTY SAND (SM) - some fines, few gravel, medium dense, wet, poorly-graded, fine sand to medium sand, subrounded to subangular, low plasticity
245	24		58408	SW	WELL-GRADED SAND (SW) - little gravel, few cobbles, trace fines, loose, moist to wet, well-graded, fine sand to coarse gravel, subangular, gray (N 6/)
244	25		58409	SP	POORLY-GRADED SAND (SP) - few gravel, trace cobbles, trace fines, loose, moist to wet, poorly-graded, fine sand to coarse sand, subangular, gray (N 6/)
243	26		58410		
242	27		58412	SM	SILTY SAND (SM) - little fines, medium dense, moist to wet, poorly-graded, fine sand, non-plastic, gray (N 6/)
241	28				SILTY SAND (SM) - some fines, little gravel, trace cobbles, dense, moist to wet, poorly-graded, fine sand, subangular, non-plastic, greenish gray (10Y 5/1)
240	29		58411	CL-ML	SILTY CLAY (CL-ML) - till deposited with little sand, few gravel, hard, dry to moist, subrounded to subangular, medium plasticity, dark greenish gray (10Y 4/1)
239	30		58413		
238	31			ML	SILT (ML) - few sand, trace gravel, very stiff, moist, poorly-graded, non-plastic, greenish gray (10Y 6/1); horizontal cracking observed, fractured into loose pieces
237	32		58414		
236	33		58415		
235	34				SILT (ML) - few sand, trace gravel, trace cobbles, very stiff, moist, poorly-graded, fine sand to medium sand, subangular, low plasticity, gray (N 6/) some mottles of 10Y 4 and 5; some horizontal cracks observed
234	35		58416		
233	36		58417	GW	WELL-GRADED GRAVEL (GW) - rock, fractured, some gray with white veins and a block of pink granite
232	37		58418	CL-ML	SILTY CLAY (CL-ML) - little sand, little gravel, hard, moist, poorly-graded, fine sand to coarse gravel, subangular, medium plasticity, gray (2.5Y 6/1) ; 1.5m lost
231	38			SW	WELL-GRADED SAND (SW) - little fines, loose, moist to wet, gap-graded, fine sand and coarse gravel, subrounded to subangular, gray (N 5/); 1.5m lost, assumed to be sand flushed out
230	39		58419		
229	40				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 50, 100, 150, 200, 250, 300

SPT Blow Count
N Value[2]
0, 25, 50



PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-SOS-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec

DRILLING DATE: 14-Oct-21 **TO:** 15-Oct-21
COORDINATES: 472871.1 E 5407106.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 268.8
TOTAL DEPTH (m): 52.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
228	41		58420		
227	42				SILTY CLAY (CL-ML) - till deposited with little sand, few gravel, trace cobbles, hard, dry to moist, well-graded, fine sand to fine gravel, subangular to angular, high plasticity, dark greenish gray (10Y 4/1); horizontal fracture observed on 41.4m, rock found between 39.6-39.9m
226	43				
225	44		58421	CL-ML	
224	45		58422		
223	46		58423		
222	47				SILTY CLAY (CL-ML) - trace sand, medium stiff, moist, low plasticity, gray (N 6/)
221	48		58424		
220	49		58425		SILTY CLAY (CL-ML) - clay with cobbles from weathered bedrock and little sand, few cobbles, few gravel, hard, dry to moist, fine sand to coarse sand, angular, medium plasticity, bluish gray (5B 6/1)
219	50				
218	51				BEDROCK - light gray veined
217	52		58426		
216	53				End of hole
215	54				
214	55				
213	56				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 50, 100, 150, 200, 250, 300

SPT Blow Count
N Value[2]
0, 25, 50
Refusal at 46 m: 50
Refusal at 49 m: 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

srk consulting

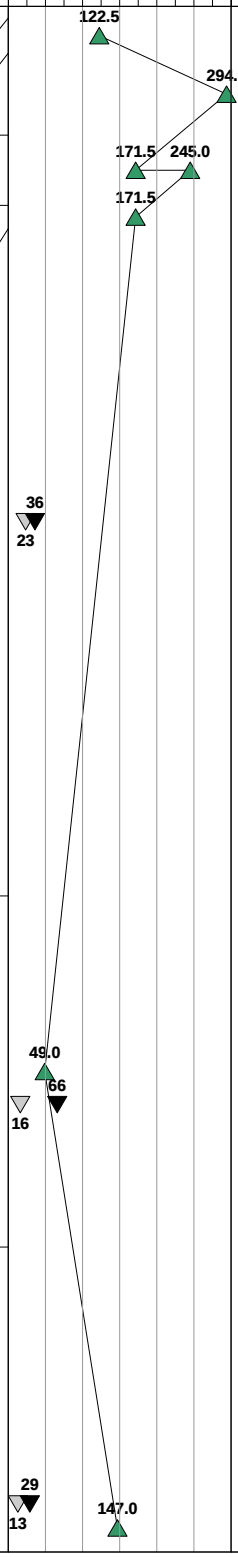
DRILLHOLE ID: SRK22-SOS-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

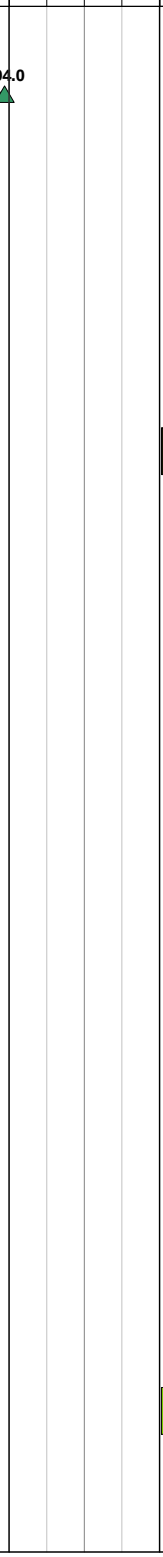
DRILLING DATE: 15-Mar-22 **TO:** 16-Mar-22
COORDINATES: 473550.2 E 5407565.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.2
TOTAL DEPTH (m): 58.5
WATER LEVEL (mbgs): 1.3 (measured on March 18, 2022)

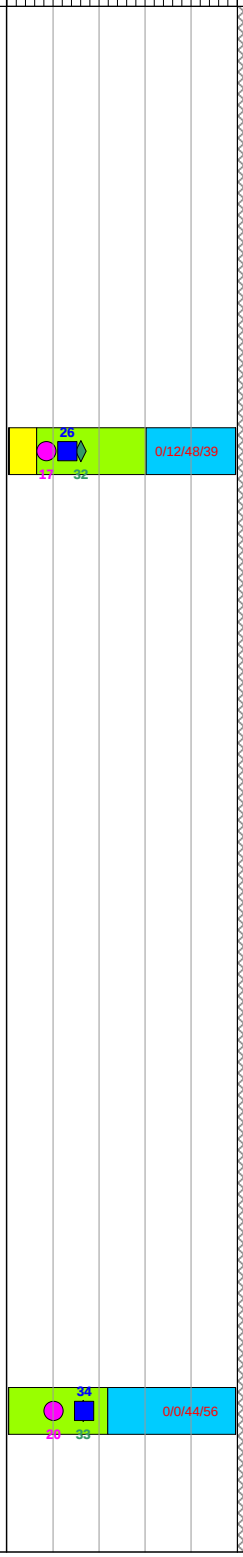
PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Clay; Silt; Silty Sand; Well Graded Sand with Silt; Organic Soil; Boulder

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
270	0		167059	OH	ORGANIC SOIL (OH) - organics mixed with clay, hit a root
				CH	FAT CLAY (CH) - trace sand, high plasticity, soft, moist, brown (10YR 5/3)
269	1		167060		
			167061		FAT CLAY (CH) - trace sand, high plasticity, stiff, moist, pale brown (10YR 6/3) mottled with some 10YR 5/3 brown and 7.5YR 5/4 brown
268	2			CL	LEAN CLAY (CL) - medium plasticity, medium stiff, moist to wet, light gray (10YR 7/2)
267	3		167062	CH	FAT CLAY (CH) - trace sand, trace gravel, high plasticity, medium stiff, moist, grayish brown (10YR 5/2)
266	4				
265	5				
264	6		167063		
263	7				LEAN CLAY (CL) - trace sand, high plasticity, very soft, moist, dark gray (10YR 4/1)
262	8		167064		
261	9				
260	10				
259	11		167065		
258	12				
257	13		167066	CL	LEAN CLAY (CL) - lacustrine clay deposited with high plasticity, very soft, moist to wet, homogeneous, dark gray (10YR 4/1)
256	14				
255	15				
254	16		167067		
253	17				
252	18		167068		
251	19				LEAN CLAY (CL) - lacustrine clay deposited with high plasticity, very soft, moist to wet, stratified (10 mm), dark gray (10YR 4/1) ; laminated with light gray soft
	20				







Well Installation and Backfill Details

Stick-up (m): 1.2

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details

Sand; PVC; Chips; Screen; Bentonite

srk consulting

DRILLHOLE ID: SRK22-SOS-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 15-Mar-22 **TO:** 16-Mar-22
COORDINATES: 473550.2 E 5407565.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.2
TOTAL DEPTH (m): 58.5
WATER LEVEL (mbgs): 1.3 (measured on March 18, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Clay; Silt; Silty Sand; Well Graded Sand with Silt; Organic Soil; Boulder

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
250	0		167069		clay
249	1				
248	2				
247	3				
246	4		167070	CL-ML	SILTY CLAY (CL-ML) - lacustrine clay deposited and silt with high plasticity, very soft, wet, lensed, gray (10YR 5/1)
245	5		167071	MH	ELASTIC SILT (MH) - some sand, trace gravel, trace cobbles, medium plasticity, very soft, wet, gap-graded, fine sand and fine gravel, subrounded to subangular, gray (10YR 5/1)
244	6		167072	ML	SILT (ML) - some sand, trace gravel, trace cobbles, non-plastic, very soft, wet, poorly-graded, fine sand, subrounded, gray (10YR 5/1)
243	7				
242	8		167073		SILT (ML) - some sand, trace gravel, trace cobbles, non-plastic, dense, stiff, moist to wet, poorly-graded, fine sand, subrounded, gray (10YR 5/1)
241	9		167074		SILT (ML) - till deposited with gap-graded fine sand with fine-coarse subrounded gravel and trace cobbles, non-plastic, very stiff, moist, gap-graded, fine sand and coarse gravel, subrounded, gray (10YR 5/1) ; horizontal cracks observed
240	10				
239	11				SILT (ML) - till deposited with little sand, few gravel, trace cobbles, non-plastic, very stiff, dry to moist, gap-graded, fine sand, subrounded to subangular, dark gray (10YR 4/1), gap graded, fine sand with fine-coarse, subrounded gravel
238	12		167075		
237	13				
236	14		167076	MH	ELASTIC SILT (MH) - till deposited with little sand, few gravel, trace cobbles, medium plasticity, hard, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1), recovery flushed out from 36.0-39.0ft, only cobbles left
235	15				
234	16				
233	17				NO RECOVERY - unknown, flushed except a handful of cobbles
232	18				
231	19		167077	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - few fines, non-plastic, dense, moist, well-graded, fine sand to coarse sand, subrounded to subangular, gray (N 5/)
230	20				

PSD: 12; 10/24/64/3

Well Installation and Backfill Details
Stick-up (m): 1.2

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details
Sand; PVC; Chips; Screen; Bentonite

srk consulting

DRILLHOLE ID: SRK22-SOS-BH-02
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 15-Mar-22 **TO:** 16-Mar-22
COORDINATES: 473550.2 E 5407565.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.2
TOTAL DEPTH (m): 58.5
WATER LEVEL (mbgs): 1.3 (measured on March 18, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | No Recovery | Clay | Silty Clay | Silt | Silty Sand | Well Graded Sand with Silt | Organic Soil | Boulder

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): 1.2

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
270	0				
229	41		167078		SILTY SAND (SM) - little fines, little gravel, trace cobbles, non-plastic, dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (N 5/)
228	42				
227	43		167079	SM	
226	44				
225	45				SILTY SAND (SM) - fluvial sand with little fines, few gravel, non-plastic, medium dense, moist, well-graded, fine sand to coarse sand, subangular, rapid dilatency, homogeneous, gray (10YR 5/1)
224	46		167080		
223	47				
222	48				
221	49			CL	LEAN CLAY (CL) - till deposited with little gravel, few cobbles, medium plasticity, stiff, dry, poorly-graded, fine gravel to coarse gravel, subrounded to subangular, homogeneous, black (2.5Y 2.5/1)
220	50				
219	51			GW	BOULDER - dry, black (10YR 2/1)
218	52				
217	53			CL	LEAN CLAY (CL) - till deposited with little gravel, few cobbles, medium plasticity, stiff, dry to moist, poorly-graded, fine gravel to coarse gravel, subrounded to subangular, homogeneous, black (2.5YR 2.5/1)
216	54				
215	55				
214	56				BEDROCK - dry, homogeneous, pale yellow (2.5Y 8/2)
213	57				
212	58				
211	59				End of hole
	60				

SPT Blow Count: 36 (12/12/24)

PSD: 9; 7/49/42/2

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
** Rod sunk 45 cm

Well Installation Details
Sand | PVC | Chips | Screen | Bentonite

DRILLHOLE ID: SRK22-TSF-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 18-Jan-22 **TO:** 19-Jan-22
COORDINATES: 475834.4 E 5409900.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.9
TOTAL DEPTH (m): 24.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Gravel; Organic Soil

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
271.9	0			OH	ORGANIC SOIL (OH) - organics
	1		167655		
	2			CL	LEAN CLAY (CL) - few gravel, medium stiff, moist, medium plasticity, gray (10YR 5/1)
	3		167656		
	4				
	5				
	6				
	7		167657		
	8				LEAN CLAY (CL) - trace gravel, very soft, moist, medium plasticity, gray (10YR 5/1)
	9		167658		
	10		167659		
	11				
	12		167660		
	13				
	14		167661		NO RECOVERY
	15				
	16				
	17				
	18		167662		
			167663	SM	SILTY SAND (SM) - little fines, few gravel, trace cobbles, medium dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic
	19				

PSD: 21; 5/17/47/31; 15; 26

Well Installation and Backfill Details
Stick-up (m): N/A

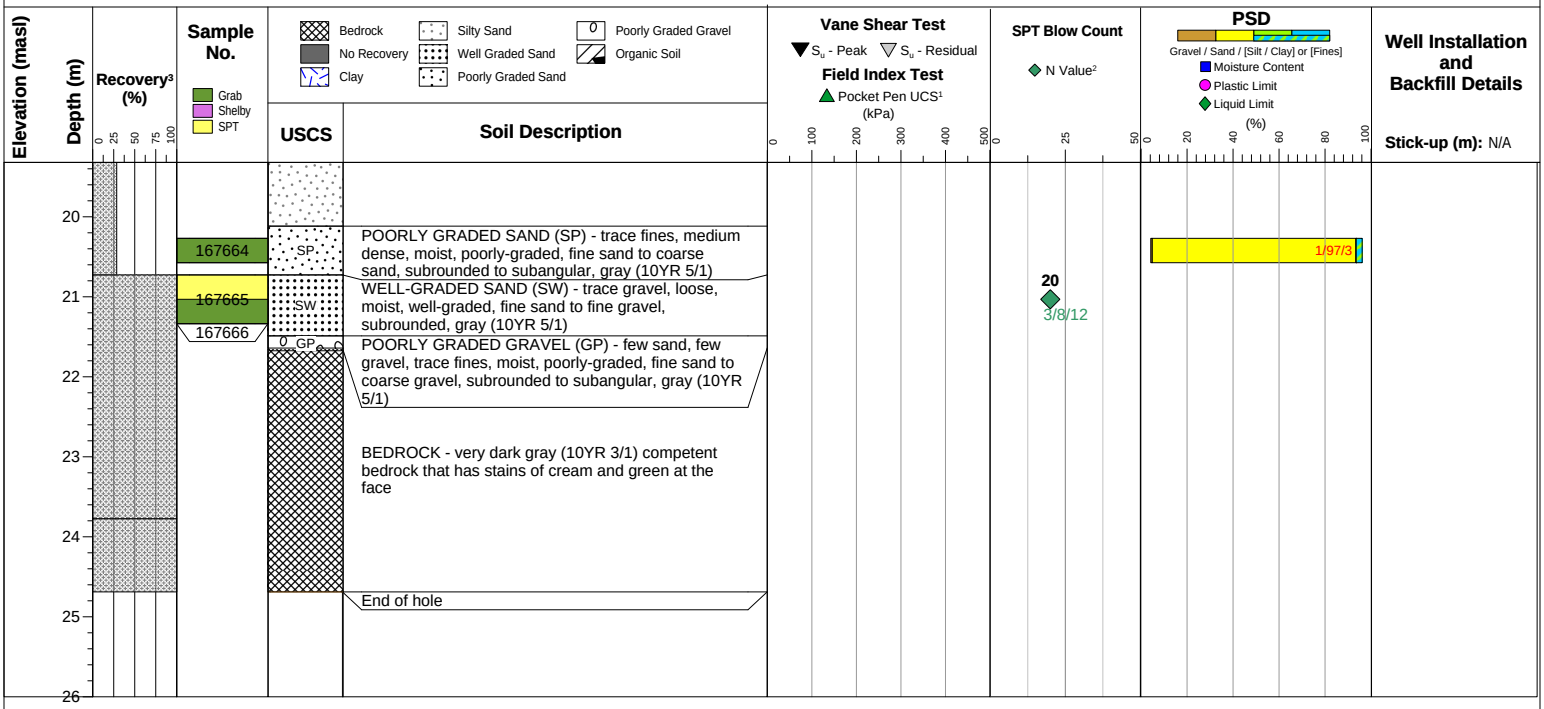
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 18-Jan-22 **TO:** 19-Jan-22
COORDINATES: 475834.4 E 5409900.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.9
TOTAL DEPTH (m): 24.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-01A
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 20-Jan-22 **TO:** 21-Jan-22
COORDINATES: 475546.2 E 5408903.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.5
TOTAL DEPTH (m): 40.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
0			ML	SILT (ML) - medium stiff, frozen, non-plastic, black (10YR 2/1) , has organics
1		167667	ML	SILT (ML) - soft, moist to wet, non-plastic, black (10YR 2/1), has organics
2		167668	CL	LEAN CLAY (CL) - trace gravel, medium stiff, moist, medium plasticity, light brownish gray (10YR 6/2)
3			CL	LEAN CLAY (CL) - trace gravel, stiff, moist, medium plasticity, gray (10YR 5/1); 2.4-3.4m was not recovered
4		167669	CL	
5			CL	
6		167670	CL	LEAN CLAY (CL) - trace gravel, soft, moist, medium plasticity, gray (10YR 5/1)
7			CL	
8		167671	CL	LEAN CLAY (CL) - little sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, low plasticity, gray (10YR 5/1)
9			CL	
10		167672	CL	
11			CL	LEAN CLAY (CL) - till deposited with little sand, few gravel, very stiff, dry to moist, fine sand to coarse sand, subrounded to subangular, low plasticity, gray (10YR 5/1)
12			CL	
13		167673	CL	
14			CL	
15			CL	
16		167674	CL	
17			CL	LEAN CLAY (CL) - till deposited with some sand, trace gravel, very stiff, dry, fine sand to medium sand, rounded to subrounded, medium plasticity
18			CL	
19			CL	

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 100, 200, 300, 400, 500

63
31

SPT Blow Count
N Value²: 0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%): 0, 20, 40, 60, 80, 100

21
3/15/48/34
16 27

18
0/6/56/38
20 30

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-01A
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 20-Jan-22 **TO:** 21-Jan-22
COORDINATES: 475546.2 E 5408903.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.5
TOTAL DEPTH (m): 40.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
20		167675		
21			SM	SILTY SAND (SM) - few gravel, trace cobbles, little fines, dense, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1); darker sand between 21.3-21.6m
22		167676		
23				
24			ML	SILT (ML) - little gravel, trace cobbles, medium dense, moist, well-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
25		167677		
26				
27		167678		
28				SILT (ML) - some sand, trace gravel, trace cobbles, soft, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
29		167679		
30				
31				SILT (ML) - till deposited with few sand, trace gravel, trace cobbles, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
32		167680	SM	SILTY SAND (SM) - till deposited with trace silt, few gravel, trace cobbles, hard, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
33				
34			SW	WELL-GRADED SAND (SW) - trace gravel, loose, moist to wet, well-graded, fine sand to fine gravel, subrounded, dark gray (10YR 4/1)
35		167681		
36			SP	POORLY GRADED SAND (SP) - trace fines, few gravel, trace cobbles, medium dense, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
37		167682		
38				BEDROCK - very dark gray (10YR 3/1) competent bedrock

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400, 500

SPT Blow Count
N Value²
0, 25, 50
34
9/18/16

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
A/44/52
A/51/46

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

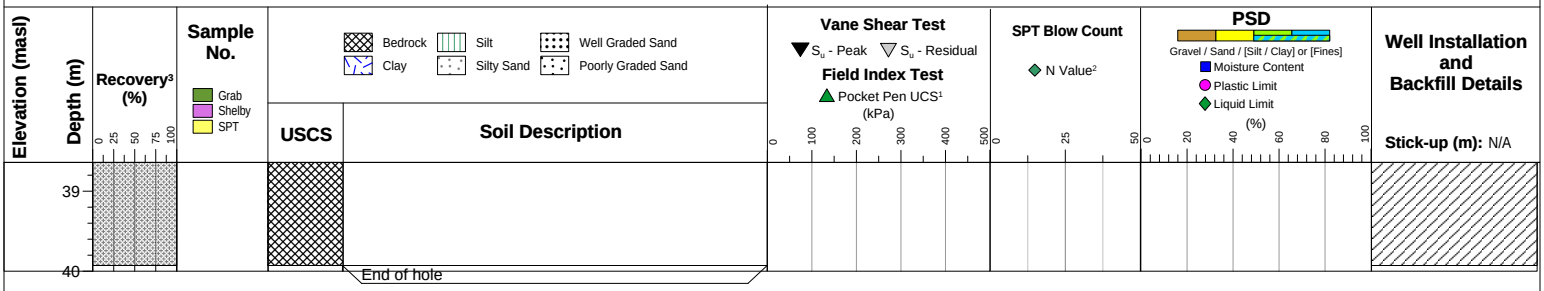
Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-01A
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 20-Jan-22 **TO:** 21-Jan-22
COORDINATES: 475546.2 E 5408903.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.5
TOTAL DEPTH (m): 40.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand PVC Screen Chips
Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 25-Jan-22 **TO:** 25-Jan-22
COORDINATES: 476950 E 5408237 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.3
TOTAL DEPTH (m): 11.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
0			SM	SILTY SAND (SM) - some fines, trace gravel, dense, moist to wet, well-graded, fine sand to medium sand, rounded to subrounded, non-plastic, black (10YR 2/1), contains organics
1		167002		LEAN CLAY (CL) - few sand, stiff, moist, poorly-graded, fine sand, low plasticity, light yellowish brown (10YR 6/4)
2				
3		167003		LEAN CLAY (CL) - trace gravel, trace sand, soft, moist, medium plasticity, gray (10YR 6/1)
4			CL	
5		167004		LEAN CLAY (CL) - trace cobbles, soft, moist, medium plasticity, gray (10YR 5/1)
6		167005		
7				LEAN CLAY (CL) - few sand, soft, moist, poorly-graded, fine sand to fine sand, rounded to subrounded, medium plasticity, gray (10YR 5/1)
8		167006	SM	SILTY SAND (SM) - dense, moist, fine sand to fine sand, rounded to subrounded, non-plastic, gray (10YR 5/1)
9				
10				BEDROCK
11				
12				End of hole

Bedrock | Clay | Silty Sand

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 100 200 300 400 500
49
32

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100
21
16/53/31
16 28
0/51/49

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann/Bryce Marcotte

DRILLING DATE: 30-Jan-22 **TO:** 31-Jan-22
COORDINATES: 476789 E 5405122 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.7
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silt; Silty Sand; Well Graded Sand; Poorly Graded Sand; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details

Stick-up (m): N/A

Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
0			OH	ORGANIC SOIL (OH) - moist, black (10YR 2/1) organics
1		167031		LEAN CLAY (CL) - trace sand, trace cobbles, stiff, moist, low plasticity, light gray (10YR 7/1)
2		167032		LEAN CLAY (CL) - trace sand, trace gravel, stiff, moist, medium plasticity, brown (10YR 5/3)
3		167033		LEAN CLAY (CL) - trace gravel, trace sand, trace sand, soft, moist, medium plasticity, gray (10YR 5/1)
4		167034		
5			CL	
6				
7		167035		LEAN CLAY (CL) - trace cobbles, very soft, moist, medium plasticity, gray (10YR 5/1); no recovery from 4.0-5.5m
8				
9		167036		
10				
11		167037	SP	POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand to fine sand, rounded to subrounded, gray (10YR 5/1)
12				NO RECOVERY - sample missing
13				
14			SP	POORLY GRADED SAND (SP) - very loose, moist to wet, poorly-graded, medium sand to fine sand, subrounded to subangular, gray (10YR 5/1)
15				
16		167038		
17		167039		WELL-GRADED SAND (SW) - trace gravel, loose, moist to wet, well-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
18				
19				

SPT Blow Count: 4 (2/2/2); 4 (2/1/3)

PSD: 23 (16, 28) 0/18/53/30; 1/97/2

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann/Bryce Marcotte

DRILLING DATE: 30-Jan-22 **TO:** 31-Jan-22
COORDINATES: 476789 E 5405122 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.7
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silt; Silty Sand; Well Graded Sand; Poorly Graded Sand; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
20				WELL-GRADED SAND (SW) - trace fines, loose, moist to wet, well-graded, fine sand to coarse sand, subrounded to subangular, gray (10YR 5/1); driller noted casing falling approximately 0.3-0.6m into sand after drilling
21			SW	WELL-GRADED SAND (SW) - loose, moist to wet, well-graded, fine sand to coarse sand, subrounded to subangular, gray (10YR 5/1)
22				
23				
24		167040		WELL-GRADED SAND (SW) - trace fines, loose, moist to wet, well-graded, fine sand to coarse sand, subrounded to subangular, gray (10YR 5/1)
25				
26			SM	SILTY SAND (SM) - dense, moist to wet, poorly-graded, fine sand to medium sand, rounded to subrounded, gray (10YR 5/1)
27				
28			SW	WELL-GRADED SAND (SW) - little gravel, trace cobbles, trace fines, loose, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
29		167041		
30			SM	SILTY SAND (SM) - till deposited with some fine, few gravel, trace cobbles, hard, dry, poorly-graded, fine sand to coarse sand, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
31				
32		167042		
33			ML	SILT (ML) - some sand, very stiff, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, low plasticity, gray (10YR 5/1)
34				
35		167043		SILT (ML) - some sand, dense, very stiff, dry, poorly-graded, fine sand to medium sand, rounded to subrounded, low plasticity, gray (10YR 5/1)
36				
37			SM	SILTY SAND (SM) - till deposited with some fines, little gravel, very dense, dry, well-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
38				POORLY GRADED SAND (SP) - some gravel, trace fines, trace cobbles, dense, moist, poorly-graded, fine

SPT Blow Count: 6 (2/3/3); 14 (3/6/8)

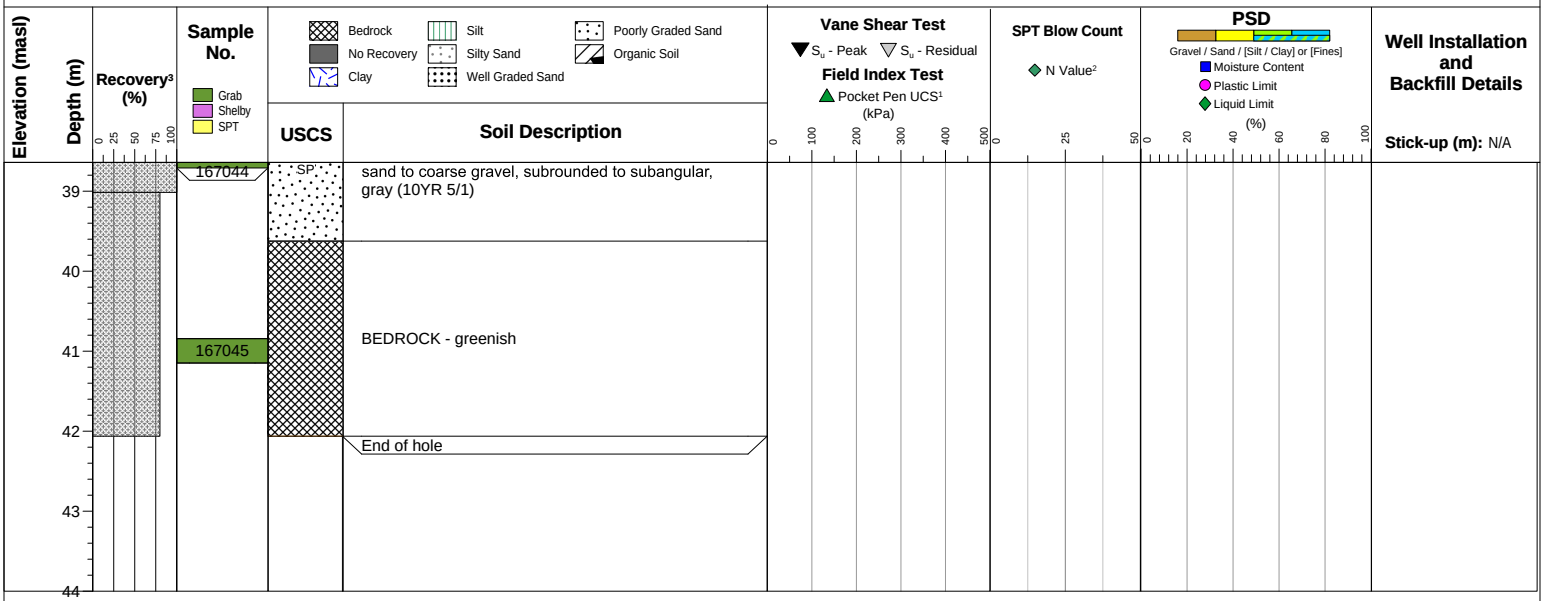
PSD: 10/58/32

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-05 **DRILLING DATE:** 30-Jan-22 **TO:** 31-Jan-22
LOCATION: Crawford **COORDINATES:** 476789 E 5405122 N
PROJECT NO: CAPR000801 **DATUM:** NAD83 UTM Zone 17N
EQUIPMENT: Sonic Drill Model SDC 550-24 **GROUND EL (masl):** 275.7
HOLE SIZE (m): 0.1016 **TOTAL DEPTH (m):** 42.1
CONTRACTOR: Choice Sonic **WATER LEVEL (mbgs):** N/A
LOGGED BY: Kyle Scale/Thomas McMann/Bryce Marcotte

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 16-Feb-22 **TO:** 16-Feb-22
COORDINATES: 475084.8 E 5407684 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.9
TOTAL DEPTH (m): 35.4
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Clay | Silt
No Recovery | Silty Clay | Poorly Graded Sand with Silt

Sample No. (Grab, Shelby, SPT)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Well Installation and Backfill Details
Stick-up (m): 0.6

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
275.9	0		167320	ML	SILT (ML) - non-plastic, very soft, moist to wet, black (10YR 2/1) organics
	1		167321		
	2			CL	LEAN CLAY (CL) - trace gravel, low plasticity, stiff, moist, light yellowish brown (10YR 6/4)
	3		167322		LEAN CLAY (CL) - trace gravel, low plasticity, soft, moist, gray (10YR 5/1)
	4		167323		LEAN CLAY (CL) - trace gravel, medium plasticity, very soft, moist, gray (10YR 5/1)
	5		167324		
	6				LEAN CLAY (CL) - trace sand, medium plasticity, soft, moist, gray (10YR 5/1)
	7		167325		
	8			ML	SILT (ML) - few sand, trace gravel, non-plastic, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
	9		167326	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, non-plastic, medium dense, moist, poorly-graded, fine sand to fine gravel, subrounded, gray (10YR 5/1)
	10			CL-ML	SILTY CLAY (CL-ML) - till deposited with trace sand, trace gravel, low plasticity, hard, moist, dark gray (10YR 4/1)
	11		167327		
	12			ML	SILT (ML) - trace gravel, low plasticity, hard, moist, dark gray (10YR 4/1)
	13				SILT (ML) - till deposited with few sand, trace gravel, trace cobbles, non-plastic, hard, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
	14		167328		
	15		167329	CL	LEAN CLAY (CL) - high plasticity, hard, moist, very dark gray (10YR 3/1)
	16		167330	ML	SILT (ML) - little sand, non-plastic, medium stiff, moist, poorly-graded, fine sand to medium sand, subrounded, gray (10YR 6/1)
	17				
	18				
	19				

Vane Shear Test: 17

SPT Blow Count: 22 (1/17/41/41); 9 (1/31/51/17); 14 19

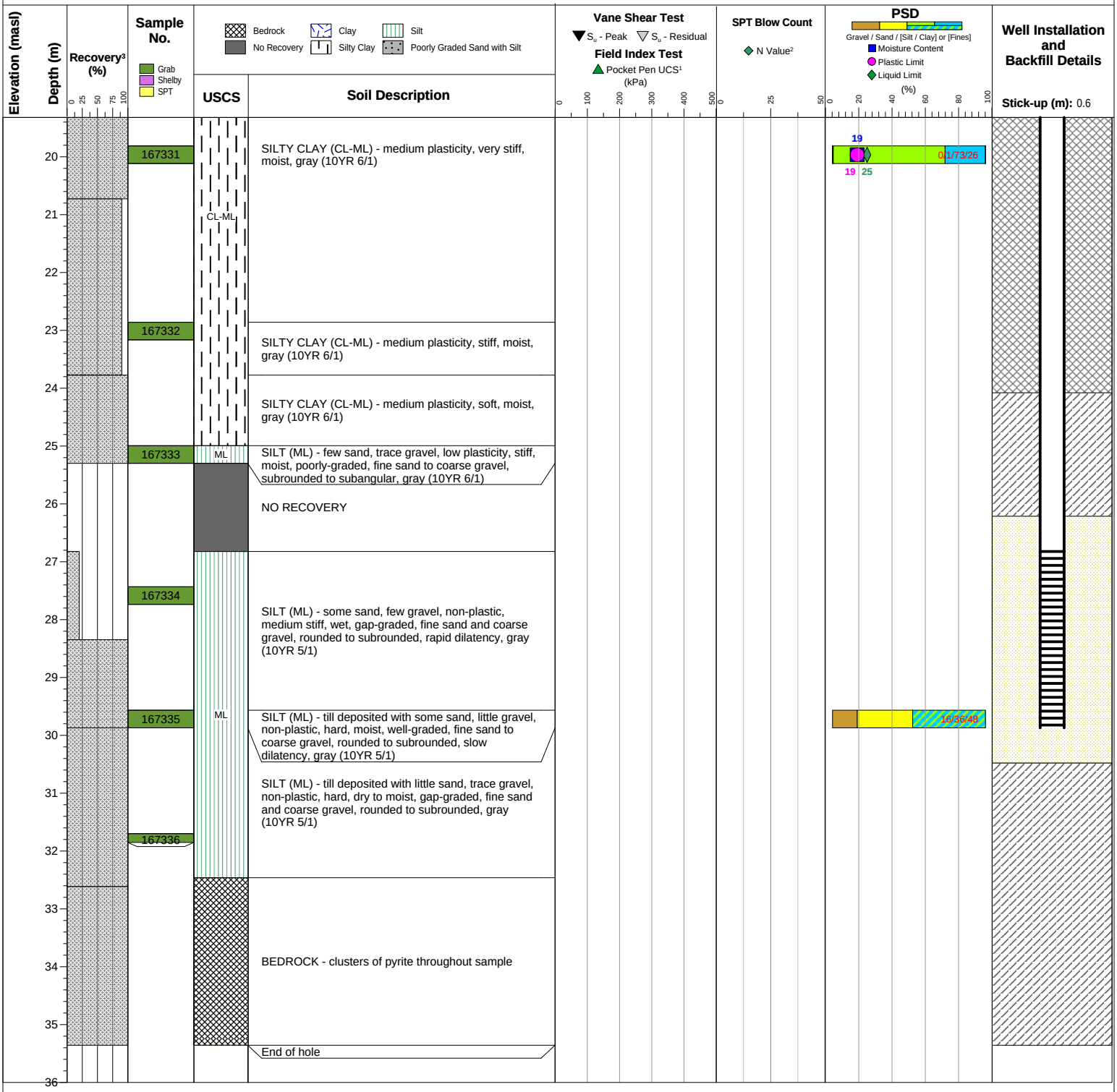
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details: Sand | PVC | Screen | Chips | Bentonite

DRILLHOLE ID: SRK22-TSF-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 16-Feb-22 **TO:** 16-Feb-22
COORDINATES: 475084.8 E 5407684 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.9
TOTAL DEPTH (m): 35.4
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 31-Oct-21 **TO:** 01-Nov-21
COORDINATES: 473058 E 5405095 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Poorly Graded Sand
No Recovery | Silty Sand | Poorly Graded Gravel
Clay | Well Graded Sand with Silt

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
273.4	0		58303	SP	POORLY GRADED SAND (SP) - majority are organics with few fines
272.4	1		58304	CL	LEAN CLAY (CL) - few sand, few gravel, soft, moist, well-graded, fine sand to medium sand, subrounded to subangular, medium plasticity, brownish yellow (10YR 6/6)
271.4	2		58305	CL	LEAN CLAY (CL) - few sand, trace gravel, medium stiff, dry to moist, fine sand to fine sand, subrounded to subangular, medium plasticity, light yellowish brown (10YR 6/4)
270.4	3				
269.4	4		58306	CL	LEAN CLAY (CL) - some sand, little gravel, very soft, moist to wet, well-graded, fine sand to coarse sand, subangular, medium plasticity, dark yellowish brown (10YR 3/4)
268.4	5		58307	CL	LEAN CLAY (CL) - few sand, few gravel, stiff, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, medium plasticity, dark grayish brown (10YR 4/2)
267.4	6				
266.4	7		58308	CL	LEAN CLAY (CL) - few sand, few gravel, very soft, moist, medium plasticity, gray (2.5Y 5/1)
265.4	8		58309	CL	
264.4	9			CL	
263.4	10		58310	CL	
262.4	11			CL	
261.4	12		58311	CL	
260.4	13		58312	CL	LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, medium plasticity, gray (2.5Y 6/1)
259.4	14		58313	CL	
258.4	15			CL	
257.4	16			CL	
256.4	17		58314	CL	
255.4	18				NO RECOVERY - may be watery sand
254.4	19				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa)
0 100 200 300 400 500
33 / 17
45 / 16
54 / 19

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100
21 / 26 / 40 / 0/5/42/53
20 / 38

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-TSF-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 31-Oct-21 **TO:** 01-Nov-21
COORDINATES: 473058 E 5405095 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

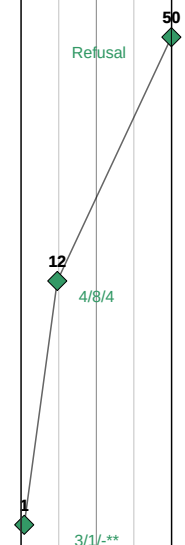
PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silt; Silty Sand; Well Graded Sand with Silt; Poorly Graded Sand; Poorly Graded Gravel

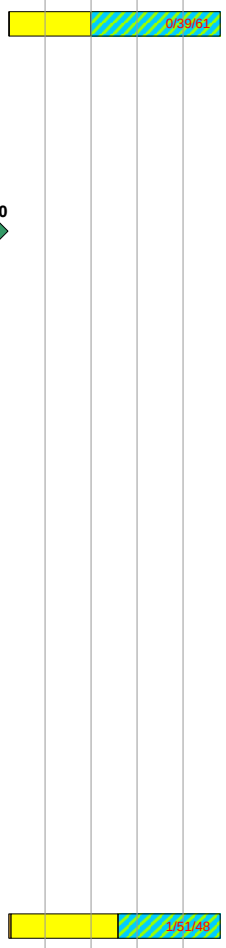
Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
	20				
	21		58315	ML	SILT (ML) - some sand, medium dense, moist to wet, fine sand to medium sand, rounded to subrounded, low plasticity, gray (10YR 5/1)
	22				
	23				
	24		58316		
	25		58317		
	26				
	27		58318		
	28		58319		
	29				
	30		58320		
	31			SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - few fines, few gravel, trace cobbles, medium dense, moist, well-graded, fine sand to coarse sand, subangular to angular, non-plastic, dark gray (10YR 4/1)
	32		58321		
	33		58322	SM	SILTY SAND (SM) - till deposited with little fines, dense, moist, fine sand to medium sand, subrounded, low plasticity, dark gray (10YR 4/1)
	34		58323	SP	POORLY GRADED SAND (SP) - trace fines, few gravel, loose, moist to wet, poorly-graded, subrounded to subangular, gray (10YR 4/1)
	35				
	36				
	37			GP	POORLY GRADED GRAVEL (GP) - little cobbles, few fines, few sand, dense, dry to moist, poorly-graded, medium sand to fine gravel, angular, non-plastic, gray (N 5/); green colour
	38		58324		

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa) — 0, 100, 200, 300, 400, 500

SPT Blow Count
N Value² — 0, 25, 50



PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%) — 0, 20, 40, 60, 80, 100



Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

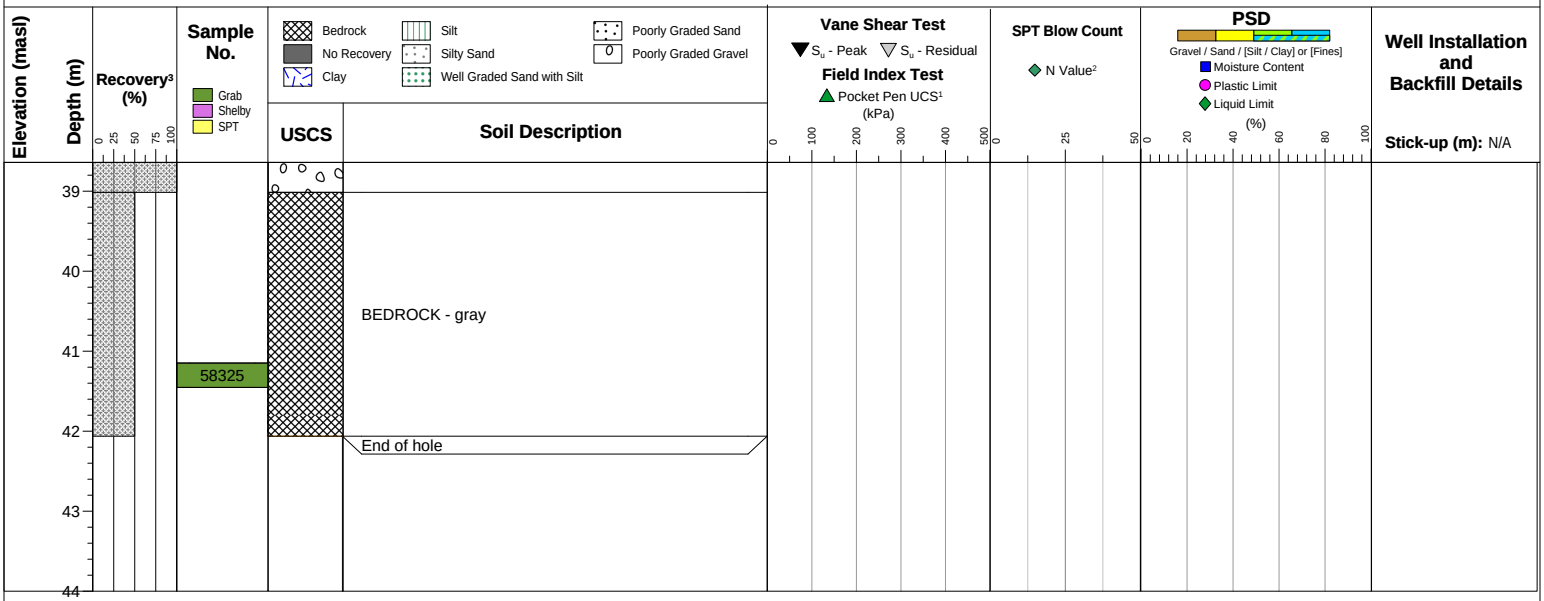
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 31-Oct-21 **TO:** 01-Nov-21
COORDINATES: 473058 E 5405095 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 06-Nov-21 **TO:** 10-Nov-21
COORDINATES: 471109.4 E 5405833.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.2
TOTAL DEPTH (m): 41.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Well Graded Sand | Poorly Graded Sand
Silty Sand | Well Graded Sand with Silt | Organic Soil

Sample No.: Grab, Shelby, SPT

Recovery³ (%)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl) / Depth (m)	Sample No.	USCS	Soil Description
0		OH	ORGANIC SOIL (OH) - Peat
2	58361	SP	POORLY GRADED SAND (SP) - sand with trace gravel, medium dense, moist to wet, poorly-graded, medium sand to fine gravel, subangular, homogeneous, yellowish brown (10YR 5/8)
4	58362		
5		SM	SILTY SAND (SM) - glaciofluvial medium sand with little fines, few gravel, trace cobbles, medium dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, rapid dilatency, homogeneous, light yellowish brown (10YR 6/4)
7	58363		
7	58364	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - glaciofuvial medium coarse sand with few fines, trace gravel, loose, wet, well-graded, fine sand to fine gravel, subrounded, non-plastic, rapid dilatency, lensed, brownish yellow (10YR 6/6)
9	58365		
11			WELL-GRADED SAND WITH SILT (SW-SM) - glaciofluvial sand with few fines, little gravel, trace cobbles, medium dense, wet, well-graded, fine sand to coarse gravel, subrounded, non-plastic, rapid dilatency, homogeneous, light brownish gray (2.5Y 6/2)
15	58366		
19		SP	POORLY GRADED SAND (SP) - glaciofluvial sand with little gravel, few cobbles, loose, moist to wet,

SPT Blow Count: 24 (4/9/15); 33 (5/15/18); 4 (1/1/3); 23 (7/14/9); 5 (10/4/1); 14 (17/10/4)

PSD: 24/72/4; 6/92/3

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-TSF-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 06-Nov-21 **TO:** 10-Nov-21
COORDINATES: 471109.4 E 5405833.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.2
TOTAL DEPTH (m): 41.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Well Graded Sand | Poorly Graded Sand
Silty Sand | Well Graded Sand with Silt | Organic Soil

Sample No.: Grab, Shelby, SPT

Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
20		58367		poorly-graded, medium sand to coarse gravel, subrounded, homogeneous, gray (10YR 6/1)
23		58368		
24				WELL-GRADED SAND (SW) - glaciofluvial sand with few gravel, loose, moist to wet, well-graded, fine sand to fine gravel, subrounded, homogeneous, gray (10YR 6/1)
27			SW	WELL-GRADED SAND (SW) - glaciofluvial sand with trace gravel, loose, moist to wet, well-graded, fine sand to coarse sand, subrounded, homogeneous, gray (10YR 6/1)
32		58369		
33				WELL-GRADED SAND (SW) - glaciofluvial sand with few cobbles, trace gravel, loose, moist to wet, well-graded, fine sand to coarse sand, subrounded, lensed, gray (10YR 5/1)
36		58370		
37				

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²

Depth (m)	N Value²	SPT Blow Count
21	45	18/23/22
24	22	20/18/4
27	17	5/8/9
30	15	20/10/5
33	14	4/6/8
36	13	3/4/9

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Depth (m)	PSD
36	0/98/2

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

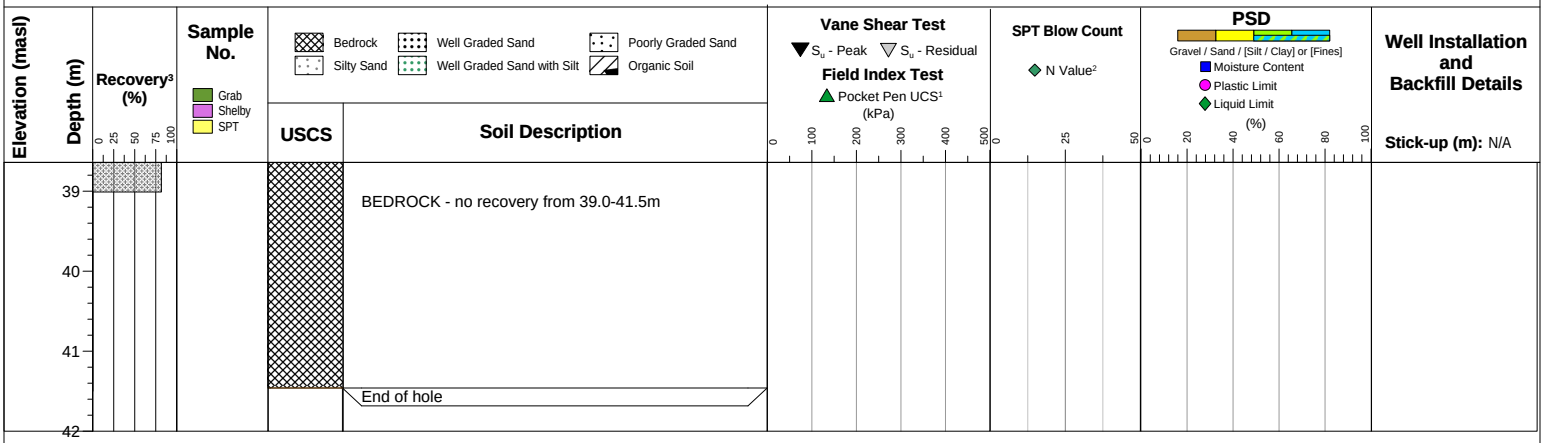
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-08
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 06-Nov-21 **TO:** 10-Nov-21
COORDINATES: 471109.4 E 5405833.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 269.2
TOTAL DEPTH (m): 41.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 27-Oct-21 **TO:** 28-Oct-21
COORDINATES: 472998.3 E 5405776.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.7
TOTAL DEPTH (m): 32.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Depth (m)	Sample No.	USCS	Soil Description
0 – 2		OH	ORGANIC SOIL (OH)
2 – 2.5	58286, 58287	SP	POORLY GRADED SAND (SP) - little fines, medium dense, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic
2.5 – 4.5		CL	LEAN CLAY (CL) - few sand rounded, stiff, moist, medium plasticity, gray (2.5Y 5/1)
4.5 – 5.5	58288	CL	LEAN CLAY (CL) - few sand subrounded, trace gravel, soft, moist, medium plasticity, grayish brown (10YR 5/2)
5.5 – 11.5	58289, 58290, 58291	CL	LEAN CLAY (CL) - few sand, trace gravel, subrounded, very soft, moist, medium plasticity, grayish brown (10YR 5/2)
11.5 – 15.5	58292, 58293	CL	LEAN CLAY (CL) - few sand, trace gravel, subrounded, soft, moist, high plasticity, gray (10YR 5/1); slight change of colour in layers
15.5 – 17.5	58294		
17.5 – 18.5	58295, 58296	SM	SILTY SAND (SM) - some fines, medium dense, moist to wet, fine sand to medium sand, subrounded, non-plastic, gray (10YR 5/1)

Bedrock, Clay, Silty Sand, Poorly Graded Sand, Organic Soil

Sample No.: Grab, Shelby, SPT

Recovery³ (%)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
Vane Shear Test values: 56, 15, 33, 13, 11, 6

SPT Blow Count: N Value²
SPT values: 50 (Refusal), 3/84 mm

PSD: Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit: 20
Liquid Limit: 33
(%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-TSF-BH-09
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 27-Oct-21 **TO:** 28-Oct-21
COORDINATES: 472998.3 E 5405776.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.7
TOTAL DEPTH (m): 32.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Sand, Poorly Graded Sand, Organic Soil

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
271.7	20		58297		
270.7	21				
269.7	22		58298		
268.7	23			SM	SILTY SAND (SM) - till deposited with little gravel, few fines, few cobbles, dense, dry, fine sand to coarse sand, subangular to angular, low plasticity, dark gray (10YR 4/1)
267.7	24				
266.7	25				
265.7	26		58299		
264.7	27				
263.7	28		58300		
262.7	29				
261.7	30		58301	SP	POORLY GRADED SAND (SP) - till deposited with pulvizred rock and some gravel, few cobbles, very dense, dry to moist, poorly-graded, fine sand to medium sand, subangular to angular
260.7	31				BEDROCK - dark gray
259.7	32		58302		
258.7	33				End of hole
257.7	34				

PSD: 28/34/38

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 22-Oct-21 **TO:** 23-Oct-21
COORDINATES: 474816.2 E 5406443.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 31.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Well Graded Sand
Clay | Silty Sand | Well Graded Gravel
Silty Clay | Clayey Sand | Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
	0		58482	SW	WELL-GRADED SAND (SW) - little gravel, trace fines, trace cobbles, medium dense, dry to moist, well-graded, fine sand to coarse gravel, subangular, dark grayish brown (10YR 4/2), some organics visible
	1		58483, 58484, 58485	ML	SILT (ML) - few sand, stiff, moist, fine sand to coarse sand, low plasticity, grayish brown (10YR 5/2); some organics and visible roots
	2			CL	LEAN CLAY (CL) - medium stiff, moist to wet, medium plasticity, dark gray (10YR 4/1) ; slight motttling with darker gray
			58486	OH	ORGANIC SOIL (OH) - organics
	3		58487	SC	CLAYEY SAND (SC) - little fines, trace gravel, very loose, wet, gap-graded, fine sand and coarse sand, rounded to subrounded, low plasticity, very dark gray (10YR 3/1)
	4		58488	CH	FAT CLAY (CH) - trace sand, trace gravel, medium stiff, moist to wet, high plasticity, gray (7.5YR 5/1)
	5		58489		
	6				
	7		58490		
	8		58491		LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, medium plasticity, gray (10YR 5/1)
	9				
	10				
	11		58492		
			58493		LEAN CLAY (CL) - trace sand, trace gravel, soft, moist to wet, medium plasticity, gray (10YR 5/1)
	12				
	13		58494	CL	
	14		58495		
	15				LEAN CLAY (CL) - very soft, moist to wet, high plasticity, gray (5Y 5/1); slight layering from 12.5-17.7m
	16				
	17		58497		
	18		58498		
	19				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test — Pocket Pen UCS¹ (kPa)
Values: 14, 7, 35, 19, 30, 24, 33, 21

SPT Blow Count — N Value²

PSD — Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)
Values: 23, 0/1/85/15, 21, 25; 23, 0/17/56/28, 15, 27; 14, 29

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

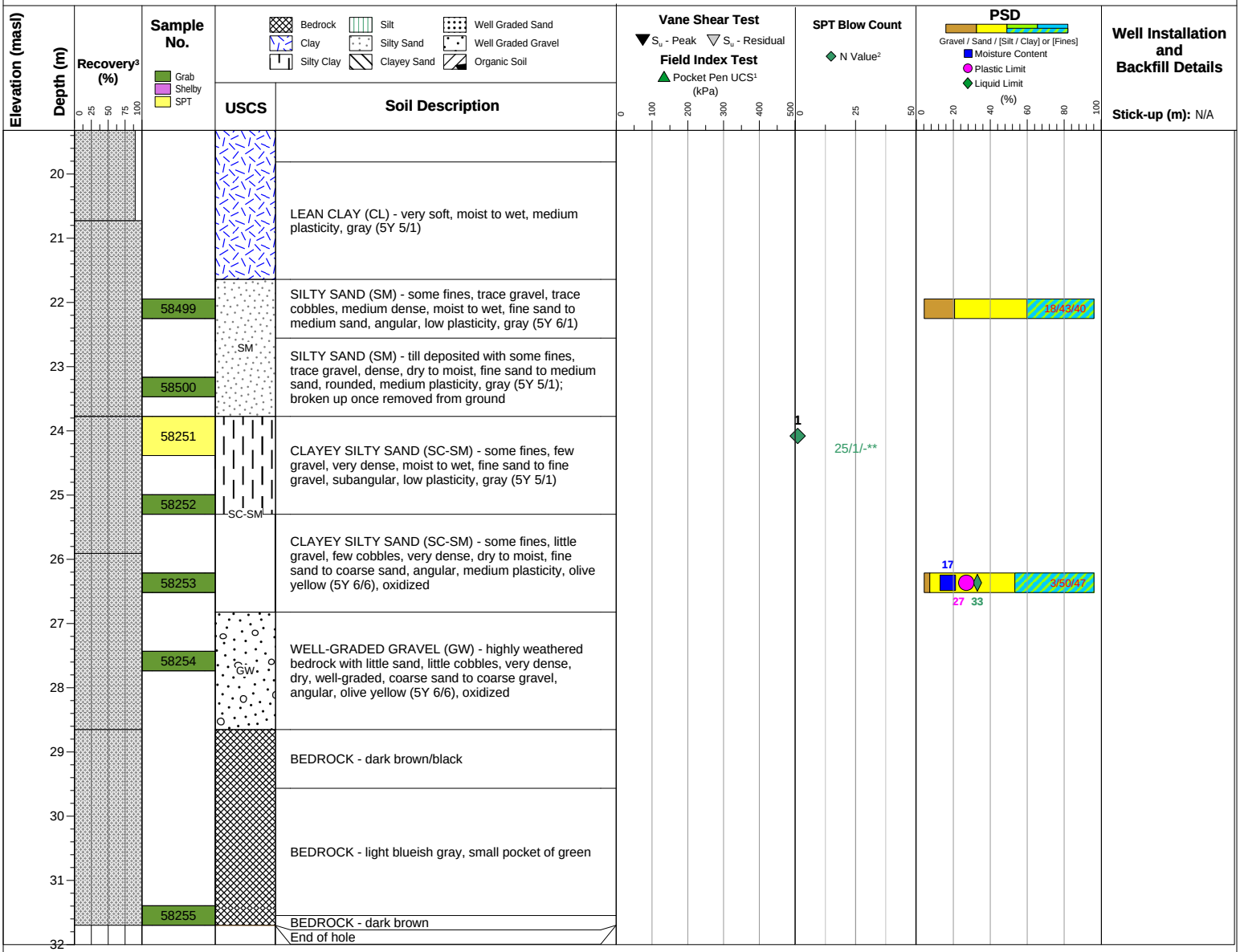
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-10
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Thomas McMann

DRILLING DATE: 22-Oct-21 **TO:** 23-Oct-21
COORDINATES: 474816.2 E 5406443.8 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 31.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 12-Feb-22 **TO:** 12-Feb-22
COORDINATES: 475244.8 E 5408202.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 38.1
WATER LEVEL (mbgs): 7.2 (measured on March 03, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
275.5	0			ML	SILT (ML) - very soft, moist to wet, non-plastic, black (10YR 2/1) organics
274.5	1			CH	FAT CLAY (CH) - trace gravel, medium stiff, moist, high plasticity, yellowish brown (10YR 5/6)
273.5	2		167701	ML	SILT (ML) - few sand, very soft, wet, poorly-graded, fine sand to medium sand, rounded, non-plastic, dark gray (10YR 4/1) , has trace of organics
			167702	CL	LEAN CLAY (CL) - trace gravel, soft, moist, high plasticity, yellowish brown (10YR 5/6); Wet and very soft as it transition from silty sand to clay
271.5	4		167703		
270.5	5		167704		LEAN CLAY (CL) - trace gravel, trace cobbles, very soft, moist, medium plasticity, gray (10YR 5/1)
269.5	6		167705	ML	SILT (ML) - till deposited with trace sand, few gravel, medium stiff, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
268.5	7		167706	SM	SILTY SAND (SM) - trace gravel, very soft, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
267.5	8				SILTY SAND (SM) - few gravel, medium stiff, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, nonplastic, dark gray (10YR 4/1)
266.5	9			ML	SILT (ML) - till deposited with trace sand, few gravel, hard, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
264.5	11		167707		
			167708		SILT (ML) - little sand, soft, moist, poorly-graded, fine sand to coarse sand, subrounded, non-plastic, gray (10YR 5/1)
261.5	14		167709		SILT (ML) - till deposited with trace sand, few gravel, very stiff, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
258.5	17		167710		
256.5	19				

Bedrock, Silt, Silty Sand, Clay

Sample No.: Grab, Shelby, SPT

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400, 500
56
13

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
20
14
27
2/15/47/36
10/46/44

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

DRILLHOLE ID: SRK22-TSF-BH-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 12-Feb-22 **TO:** 12-Feb-22
COORDINATES: 475244.8 E 5408202.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 38.1
WATER LEVEL (mbgs): 7.2 (measured on March 03, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
	20		167711	ML	SILT (ML) - few sand, trace gravel, stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
	22				SILT (ML) - little sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
	23		167712		
	25				SILT (ML) - few sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, low plasticity, dark gray (10YR 4/1)
	26		167713		
	28				SILT (ML) - till deposited with trace sand, trace gravel, trace cobbles, hard, moist, non-plastic, dark gray (10YR 4/1)
	29		167714		
	32		167715		SILT (ML) - little sand, trace gravel, very soft, moist, poorly-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
	33		167716		SILT (ML) - till deposited with few gravel, few sand, medium stiff, dry to moist, poorly-graded, fine sand to fine gravel, subrounded, non-plastic, very dark gray (10YR 3/1)
	35				BEDROCK
	38				End of hole

Bedrock, Silt, Silty Sand, Clay

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400, 500

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 12-Feb-22 **TO:** 12-Feb-22
COORDINATES: 475244.8 E 5408202.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 38.1
WATER LEVEL (mbgs): 7.2 (measured on March 03, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description (Bedrock, Silt, Silty Sand, Clay)	Vane Shear Test (S_u - Peak, S_u - Residual) / Field Index Test (Pocket Pen UCS¹ (kPa))	SPT Blow Count (N Value²)	PSD (Gravel / Sand / [Silt / Clay] or [Fines], Moisture Content, Plastic Limit, Liquid Limit (%))	Well Installation and Backfill Details
39								
40								

Stick-up (m): 0.9

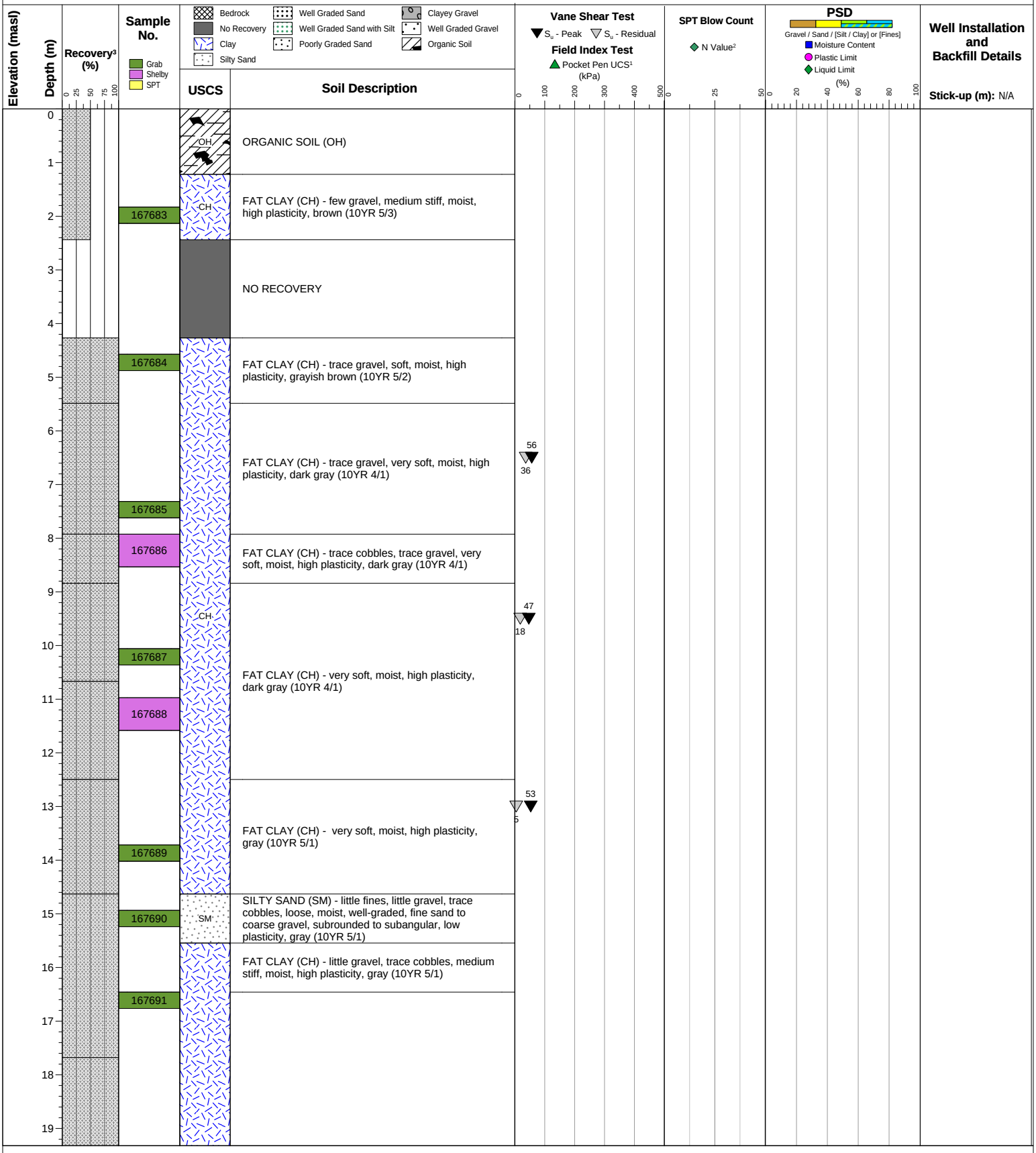
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

DRILLHOLE ID: SRK22-TSF-BH-13
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 22-Jan-22 **TO:** 24-Jan-22
COORDINATES: 476082 E 5408199 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 55.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-13
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 22-Jan-22 **TO:** 24-Jan-22
COORDINATES: 476082 E 5408199 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 55.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silty Sand; Well Graded Sand; Well Graded Sand with Silt; Poorly Graded Sand; Clayey Gravel; Well Graded Gravel; Organic Soil

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description	Vane Shear Test / Field Index Test (kPa)	SPT Blow Count (N Value[2])	PSD (%)	Well Installation and Backfill Details
273	20			CH	FAT CLAY (CH) - hard, moist, high plasticity, gray (10YR 5/1)				**Stick-up (m):** N/A
272	21								
271	22								
270	23		167692		FAT CLAY (CH) - few sand, hard, moist, poorly-graded, fine sand to fine sand, rounded to subrounded, high plasticity, dark gray (10YR 4/1)				
269	24			SP	POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand to medium sand, subrounded, gray (10YR 5/1)				
268	25		167693						
267	26								
266	27		167694		POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, dark gray (10YR 4/1)		5 (1/1/4)		
265	28								
264	29		167695	SM	SILTY SAND (SM) - little fines, few gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1); rock found at the end of the run				
263	30								
262	31		167696	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - few fines, little gravel, few cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, non-plastic, gray (10YR 5/1)				
261	32								
260	33								
259	34		167697						
258	35								
257	36			SW	WELL-GRADED SAND (SW) - some gravel, few cobbles, dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)		3 (2/2/1)		
256	37								
255	38								

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-13
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 22-Jan-22 **TO:** 24-Jan-22
COORDINATES: 476082 E 5408199 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.4
TOTAL DEPTH (m): 55.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Well Graded Sand | Clayey Gravel
No Recovery | Well Graded Sand with Silt | Well Graded Gravel
Clay | Poorly Graded Sand | Organic Soil
Silty Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
	39–56	0 25 50 75 100	167698		
	39–43		167699	SP	POORLY GRADED SAND (SP) - trace gravel, trace fines, loose, moist, poorly-graded, fine sand to coarse sand, subrounded, gray (10YR 5/1)
	42–43		167700		
	50–51		167001	GW	WELL-GRADED GRAVEL (GW) - some sand, some cobbles, trace fines, medium dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, very dark gray (10YR 3/1)
	52–53			GC	CLAYEY GRAVEL (GC) - some cobbles, little sand, little fines, dense, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, black (10YR 2/1)
	53–56				BEDROCK - very dark gray (10YR 3/1)
	56				End of hole

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 100 200 300 400 500

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

SPT blow counts: 34 (9/18/16); 45 (15/21/24); 4 (2/2/2)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-15
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 26-Jan-22 **TO:** 29-Jan-22
COORDINATES: 476802.9 E 5407119.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.8
TOTAL DEPTH (m): 66.1
WATER LEVEL (mbgs): (a) 4.6 and (b) 4.1 (measured on March 06, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Silty Gravel, Poorly Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
273.8	0			OH	ORGANIC SOIL (OH) - organics
	2		167007	CH	FAT CLAY (CH) - medium stiff, moist, medium plasticity, gray (10YR 5/1)
	3		167008	CL	LEAN CLAY (CL) - few sand, trace gravel, medium stiff, moist, poorly-graded, medium sand to fine gravel, rounded to subrounded, high plasticity, gray (10YR 5/1)
	5		167009	CL	LEAN CLAY (CL) - trace gravel, trace sand, medium stiff, moist, high plasticity, gray (10YR 5/1)
	7		167010	CL	LEAN CLAY (CL) - trace sand, stiff, dry to moist, medium plasticity, gray (10YR 5/1); missing 7.3-7.6m
	9			ML	SILT (ML) - little sand, stiff, moist, poorly-graded, fine sand, non-plastic, gray (10YR 5/1)
	10		167011	ML	SILT (ML) - little sand, soft, moist to wet, poorly-graded, fine sand, non-plastic, gray (10YR 5/1)
	11			ML	SILT (ML) - till deposited with some sand, few gravel, hard, dry, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic
	13		167012	ML	
	13		167013	ML	
	14		167014	ML	
	17		167015	ML	SILT (ML) - till deposited some sand, hard, dry, fine sand to coarse sand, subrounded, non-plastic, gray (10YR 5/1)
	18		167016	ML	
	18		167017	SM	SILTY SAND (SM) - little fines, little gravel, few cobbles, dense, dry, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1)
	19			SM	

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa)
58, 187
62, 32

SPT Blow Count
N Value²
Refusal
50
40
10/40/0

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
17
16
25
21/10/52/18
1/32/68

Well Installation and Backfill Details
Stick-up (m): 0.85

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

Clay | Silty Clay | Silt | Silty Sand | Well Graded Sand | Well Graded Sand with Silt | Poorly Graded Sand | Poorly Graded Sand with Silt | Silty Gravel | Poorly Graded Gravel | Organic Soil

Sample No.: Grab, Shelby, SPT

Recovery[3] (%)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details

Stick-up (m): 0.85

Depth (m)	Elevation (masl)	Sample No.	USCS	Soil Description
20	253.8	167018	ML	SILT (ML) - till deposited with little sand, few gravel, hard, dry, poorly-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
21	252.8			SILT (ML) - some sand, very stiff, dry, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, dark grayish brown (10YR 4/2)
22	251.8	167019		SILT (ML) - some sand, trace gravel, medium stiff, dry, poorly-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
23	250.8		SP	
24	249.8			POORLY GRADED SAND (SP) - few fines, medium dense, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, dark gray (10YR 4/1)
25	248.8	167020		
26	247.8			POORLY GRADED SAND (SP) - medium dense, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, gray (10YR 5/1)
27	246.8	167021	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - silty till deposited with few gravel, few fines, , dense, moist, well-graded, fine sand to coarse gravel, rounded to subrounded, non-plastic, gray (10YR 6/1)
28	245.8			
29	244.8			
30	243.8		ML	
31	242.8	167022		SILT (ML) - cohesive till deposited with some sand, little gravel, hard, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, dark gray (10YR 4/1)
32	241.8			
33	240.8		CL-ML	
34	239.8			
35	238.8			SILTY CLAY (CL-ML) - cohesive silt with some sand, little gravel, trace cobbles, hard, dry, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, gray (10YR 5/1), contains boulder or cobble of 0.15m
36	237.8			
37	236.8			
38	235.8	167023		

SPT Blow Count: 14 (7/5/9); 29 (8/9/20)

PSD: 0/34/66; 1/86/13; 8; 4/40/43/13; 11; 18

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details: Sand, PVC, Screen, Chips, Bentonite

DRILLHOLE ID: SRK22-TSF-BH-15
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 26-Jan-22 **TO:** 29-Jan-22
COORDINATES: 476802.9 E 5407119.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.8
TOTAL DEPTH (m): 66.1
WATER LEVEL (mbgs): (a) 4.6 and (b) 4.1 (measured on March 06, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl) | Depth (m) | Recovery[3] (%) | Sample No. (Grab, Shelby, SPT) | USCS | Soil Description

Depth (m)	Sample No.	USCS	Soil Description
39–45		CL	LEAN CLAY (CL) - till deposited with some sand, little gravel, hard, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, gray (10YR 5/1)
40–41		SP	POORLY GRADED SAND (SP) - little gravel, very loose, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
41–43	167024	SM	SILTY SAND (SM) - little fines, loose, moist to wet, poorly-graded, fine sand to medium sand, non-plastic, gray (10YR 5/1)
43–45		SW	WELL-GRADED SAND (SW) - some gravel, very dense, moist, well-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1); rock and cobble at beginning of recovery
45	167025		
45–47		SP	POORLY GRADED SAND (SP) - little gravel, medium dense, moist, poorly-graded, fine sand to fine gravel, subrounded, gray (10YR 5/1)
47		ML	SILT (ML) - some sand, dry to moist, non-plastic, gray (10YR 5/1)
47–48	167026	SM	SILTY SAND (SM) - little gravel, little fines, medium dense, dry to moist, well-graded, fine sand to fine gravel, subrounded, non-plastic, gray (10YR 5/1)
48–50		SP	POORLY GRADED SAND (SP) - medium dense, dry to moist, poorly-graded, fine sand to fine sand, rounded to subrounded, gray (10YR 5/1)
50–51	167027	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - some gravel, little cobbles, few fines, dense, moist, well-graded, fine sand to coarse gravel, subangular, non-plastic, gray (10YR 5/1)
51–53	167028	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, medium dense, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, gray (10YR 5/1)
53–56		SP	POORLY GRADED SAND (SP) - trace gravel, dense, moist to wet, poorly-graded, fine sand to fine gravel, subrounded to subangular, grayish brown (10YR 5/2)
56–57		SW	WELL-GRADED SAND (SW) - little fines, little gravel, little cobbles, dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 5/1), start of weathered bedrock

Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Silty Gravel, Poorly Graded Gravel, Organic Soil

Vane Shear Test — S_u - Peak, S_u - Residual
Field Index Test — Pocket Pen UCS[1] (kPa)
SPT Blow Count — N Value[2]
PSD — Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): 0.85

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-15
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Thomas McMann

DRILLING DATE: 26-Jan-22 **TO:** 29-Jan-22
COORDINATES: 476802.9 E 5407119.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.8
TOTAL DEPTH (m): 66.1
WATER LEVEL (mbgs): (a) 4.6 and (b) 4.1 (measured on March 06, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Clay; Silty Clay; Silt; Silty Sand; Well Graded Sand; Well Graded Sand with Silt; Poorly Graded Sand; Poorly Graded Sand with Silt; Silty Gravel; Poorly Graded Gravel; Organic Soil

Sample No.: Grab; Shelby; SPT

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
58	58			SM	SILTY SAND (SM) - some gravel, little fines, few cobbles, very dense, moist, poorly-graded, fine sand to coarse gravel, subangular to angular, non-plastic, gray (10YR 5/1)
			167029		
59	59			GP	POORLY GRADED GRAVEL (GP) - weathered bedrock with some gravel, moist to wet, poorly-graded, coarse gravel, subrounded, gray (10YR 5/1)
60	60				
61	61			GM	SILTY GRAVEL (GM) - some sand, little fines, trace cobbles, dense, moist to wet, well-graded, medium sand to coarse gravel, subrounded to subangular, non-plastic, gray (10YR 6/1) , fracture zone observed
62	62				
63	63				
64	64			SM	SILTY SAND (SM) - little gravel, trace cobbles, few fines, loose, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, blue green becoming lime green at end of run
65	65		167030		
66	66				End of hole
67	67				
68	68				

PSD: 8; 16 20; 20/44/34/2

Well Installation and Backfill Details
Stick-up (m): 0.85

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand; PVC; Screen; Chips; Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-16
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 22-Mar-22 **TO:** 23-Mar-22
COORDINATES: 474680.4 E 5405751 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Clayey Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Poorly Graded Gravel, Boulder
Sample No.: Grab, Shelby, SPT

Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
0		168418	CL	LEAN CLAY (CL) - organics with little gravel, medium plasticity, very soft, moist, gap-graded, coarse sand and fine gravel, subangular, black (10YR 2/1)
1			CH	FAT CLAY (CH) - few gravel, high plasticity, medium stiff, moist, gap-graded, fine gravel and fine gravel, subangular, homogeneous, dark gray (10YR 4/1)
		168419	SC	CLAYEY SAND (SC) - some fines, trace gravel, medium plasticity, very loose, moist, poorly-graded, fine sand to medium sand, rounded, lensed, dark gray (10YR 4/1)
2				
3				LEAN CLAY (CL) - trace sand, low plasticity, soft, moist, gray (10YR 5/1)
4				
5				LEAN CLAY (CL) - laminated clay with few gravel, medium plasticity, stiff, moist, fine gravel to coarse gravel, subangular, stratified (10 mm), gray (10YR 5/1)
		168420		
6				
		168421		LEAN CLAY (CL) - trace gravel, medium plasticity, very soft, moist to wet, homogeneous, gray (10YR 5/1)
7				
8		168422		
9				
10				
		168423		
11				
12			CL	
		168424		LEAN CLAY (CL) - trace gravel, medium plasticity, very soft, wet, stratified (10 mm), gray (10YR 5/1)
13				
14				
		168425		
15				
16				
		168426		LEAN CLAY (CL) - medium plasticity, soft, wet, stratified (15 mm), gray (10YR 5/1)
17				
18				
		168427		
19				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa)
196 245 392 379 25 49 98 43 29 98 147

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
21 15 28 1/15/52/32
39 20 39 0/1/43/57

Well Installation and Backfill Details
Stick-up (m): 1.1

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

DRILLHOLE ID: SRK22-TSF-BH-16
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 22-Mar-22 **TO:** 23-Mar-22
COORDINATES: 474680.4 E 5405751 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Clayey Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Poorly Graded Gravel, Boulder
Sample No.: Grab, Shelby, SPT

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
	20		168428		LEAN CLAY (CL) - medium plasticity, very soft, moist to wet, gray (10YR 5/1)
	21		168429		LEAN CLAY (CL) - trace sand, high plasticity, very soft, moist to wet, gray (10YR 5/1)
	22		168430	ML	SILT (ML) - few sand, trace gravel, trace cobbles, medium plasticity, very soft, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
	23		168431		SILT (ML) - some sand, few gravel, trace cobbles, medium plasticity, very soft, wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
	24				
	25		168432	SM	SILTY SAND (SM) - some fines, little gravel, trace cobbles, medium plasticity, very loose, wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
	26		168433	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - some gravel, few fines, few cobbles, low plasticity, loose, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
	27		168434	SW	WELL-GRADED SAND (SW) - little gravel, very loose, moist to wet, well-graded, coarse sand to fine gravel, subrounded to subangular
			168435	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - some gravel, few fines, few cobbles, non-plastic, loose, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
	28				BOULDER
	29			GP	POORLY GRADED GRAVEL (GP) - limited recovery, washed out except 0.6m mixed subrounded cobbles
	30				BOULDER
	31			SP	POORLY-GRADED SAND (SP) - trace gravel, trace fines, dense, moist to wet, poorly-graded, fine sand, gray (N 6/)
	32		168436		
	33			ML SP	SILT (ML) - till deposited with few sand, trace gravel, medium plasticity, hard, dry to moist, well-graded, fine sand to fine gravel, subrounded to subangular, dark gray (10YR 4/1)
	34		168437	ML	POORLY-GRADED SAND (SP) - very loose, moist, poorly-graded, fine sand to medium sand, gray (N 6/)
					SILT (ML) - till deposited with little sand, trace gravel, trace cobbles, medium plasticity, hard, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
	35		168438	SP-SM	POORLY-GRADED SAND WITH SILT (SP-SM) - few fines, trace gravel, low plasticity, dense, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, greenish gray (5G 5/1)
	36				BEDROCK - weathered bedrock and till
	37				
	38				BEDROCK - dry, grayish green (5G 4/2)

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400, 500
30, 49, 8, 49, 49

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
37, 19, 30, 0/1/55/44
11, 5/49/40/6
19/56/0

Well Installation and Backfill Details
Stick-up (m): 1.1

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-16
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 22-Mar-22 **TO:** 23-Mar-22
COORDINATES: 474680.4 E 5405751 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 39.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl) | Depth (m) | Recovery³ (%) | Sample No. (Grab, Shelby, SPT) | USCS | Soil Description

Bedrock, Clay, Silt, Silty Sand, Clayey Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Poorly Graded Gravel, Boulder

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
SPT Blow Count: N Value²
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): 1.1

Depth (m)	Soil Description
39	End of hole
40	

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 03-Nov-21 **TO:** 04-Nov-21
COORDINATES: 470982.9 E 5404987.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.0
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Poorly Graded Gravel

Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
0			GW	WELL-GRADED GRAVEL (GW) - organics with little sand and trace fines
1			CH	FAT CLAY (CH) - lacustrine clay deposited with trace sand, stiff, dry, high plasticity, homogeneous, brown (10YR 4/3)
2				
3		58351	SP	POORLY GRADED SAND (SP) - fluvial sand with trace gravel, medium dense, moist, poorly-graded, coarse sand, subrounded, weak cementation, homogeneous, light yellowish brown (2.5Y 6/3)
4				
5		58352		POORLY GRADED SAND (SP) - fluvial sand with trace gravel, trace silt, medium dense, wet, poorly-graded, coarse sand, subrounded, weak cementation, rapid dilatency, homogeneous, pale yellow (2.5Y 7/3)
6		58353		POORLY GRADED SAND (SP) - trace fines, medium dense, moist to wet, poorly-graded, fine to medium glaviofuvial sand, subrounded, homogeneous, light yellowish brown (2.5Y 6/3)
7		58354		POORLY GRADED SAND (SP) - glaciofluvial sand with trace gravel, loose, moist to wet, poorly-graded, fine sand to medium sand, rounded to subrounded, homogeneous, gray (10YR 6/1)
8				
9				POORLY GRADED SAND (SP) - glaciofluvial sand with trace fines, trace gravel, loose, moist to wet, poorly-graded, fine sand to medium sand, subrounded, homogeneous, brownish yellow (10YR 6/6)
10		58355		SILTY SAND (SM) - glaciofluvial sandy silt with little fines, medium dense, moist to wet, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, rapid dilatency, homogeneous, light gray (10YR 7/2)
11			SM	
12				SILTY SAND (SM) - glaciofluvial sand with little fines, few gravel, trace cobbles, very loose, wet, well-graded, fine sand to coarse gravel, subrounded, non-plastic, rapid dilatency, lensed, gray (10YR 6/1); material washed away during drilling
13			SW	WELL-GRADED SAND (SW) - glaciofluvial sand with little gravel, trace cobbles, very loose, wet, well-graded, fine sand to coarse gravel, subrounded, lensed, gray (10YR 6/1); material partially washed
14			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - glaciofluvial with few fines, few gravel, loose, wet, poorly-graded, fine sand to coarse sand, subrounded, non-plastic, rapid dilatency, lensed, light gray (10YR 7/1)
15		58356	SP	POORLY GRADED SAND (SP) - glaciofluvial sand with some gravel, trace cobbles, loose, wet, poorly-graded, coarse sand to coarse gravel, subrounded to subangular, lensed, gray (10YR 6/1)
16			GW	WELL-GRADED GRAVEL (GW) - glaciofluvial sand with some sand, few cobbles, loose, wet, well-graded, medium sand to coarse gravel, subrounded, homogeneous, gray (10YR 5/1)
17			SM	SILTY SAND (SM) - glaciofluvial fine sand with little fines, few gravel, trace cobbles, medium dense, wet, well-graded, fine sand to fine gravel, rounded to subrounded, non-plastic, rapid dilatency, homogeneous, light gray (10YR 7/1)
18		58357	SP	POORLY GRADED SAND (SP) - glaciofluvial sand with some gravel, trace cobbles, very loose, wet, poorly-graded, coarse sand to coarse gravel, subrounded to subangular, homogeneous, grayish brown (10YR 5/2)
19				

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

441

SPT Blow Count
N Value²

20 (8/11/9); 9 (3/5/4); 26 (6/13/13); 20 (8/9/11); 49 (19/37/12); 2 (2/1/1); 11

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

0/86/14

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 03-Nov-21 **TO:** 04-Nov-21
COORDINATES: 470982.9 E 5404987.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.0
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Poorly Graded Gravel

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
20				POORLY GRADED SAND (SP) - glaciofluvial sand with some gravel, trace cobbles, very loose, wet, fine, poorly-graded glaciofluvial sand with fine gravel, subrounded to subangular, rapid dilatency, homogeneous, gray (10YR 6/1)
21–23			GP	POORLY GRADED GRAVEL (GP) - glaciofluvial gravel with little sand, loose, wet, poorly-graded, coarse sand to coarse gravel, subrounded to subangular, homogeneous, gray (10YR 5/1)
24–26			GP	POORLY GRADED GRAVEL (GP) - glaciofluvial gravel with some sand, trace cobbles, loose, wet, poorly-graded, coarse sand to coarse gravel, subrounded, homogeneous, gray (10YR 6/1)
27		58358	SP	POORLY GRADED SAND (SP) - glaciofluvial sand with trace gravel, loose, wet, poorly-graded, medium sand to fine gravel, subrounded, homogeneous, gray (10YR 6/1)
28–29			SP	POORLY GRADED SAND (SP) - glaciofluvial sand with little gravel, trace cobbles, very loose, wet, poorly-graded, medium sand to coarse gravel, subrounded, homogeneous, light gray (10YR 7/1)
30–31			SW	WELL-GRADED SAND (SW) - glaciofluvial sand with little gravel, trace cobbles, loose, wet, well-graded, medium sand to coarse gravel, subrounded, homogeneous, light gray (10YR 7/1)
32		58359	SP	POORLY GRADED SAND (SP) - glaciofluvial sand with few gravel, loose, wet, poorly-graded, medium sand to fine gravel, subrounded, homogeneous, gray (10YR 6/1)
33–34			SP	POORLY GRADED SAND (SP) - glaciofluvial sand with little gravel, very loose, wet, gap-graded, coarse sand and fine gravel, subangular, homogeneous, very dark grayish brown (10YR 3/2)
35–36			SW	WELL-GRADED SAND (SW) - glaciofluvial sand with little gravel, trace fines, very loose, wet, well-graded, fine sand to coarse gravel, subangular to angular, lensed, light gray (10YR 7/1)
37		58360		
38			SW	

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 100, 200, 300, 400, 500

SPT Blow Count
N Value²: 0, 25, 50

- 12/7/4
- 20 — 19/13/7
- 10 — 18/7/3
- 44 — 38/30/14
- 50 — Refusal

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%): 0, 20, 40, 60, 80, 100

- 58358: 0/95/5

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 03-Nov-21 **TO:** 04-Nov-21
COORDINATES: 470982.9 E 5404987.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 277.0
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel; Poorly Graded Gravel

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
277	39				WELL-GRADED SAND (SW) - glaciofluvial sand with little gravel, trace fines, trace cobbles, very loose, wet, well-graded, fine sand to coarse gravel, homogeneous, light gray (10YR 7/1)
276	40				
275	41				
274	42				
273	43				BEDROCK - weathered
272	44				
271	45				
270	46				BEDROCK
269	47				
268	48				End of hole
267	49				
266	50				
265	51				
264	52				

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa) (0, 100, 200, 300, 400, 500)

SPT Blow Count: N Value² (0, 25, 50)
Refusal
50

PSD: Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%) (0, 20, 40, 60, 80, 100)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-18
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 16-Nov-21 **TO:** 19-Nov-21
COORDINATES: 471939.1 E 5406726.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.0
TOTAL DEPTH (m): 62.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Clay; Silt; Silty Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel

Sample No.: Grab, Shelby, SPT

Recovery³ (%)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Sample No.	USCS	Soil Description
270	0		GW	WELL-GRADED GRAVEL (GW) - roadfill gravel with little sand, medium dense, moist, well-graded, medium sand to coarse gravel, subangular to angular, homogeneous, dark brown (10YR 3/3)
269	1			LEAN CLAY (CL) - medium stiff, moist, medium plasticity, homogeneous, brown (10YR 4/3) organic
268	2			LEAN CLAY (CL) - lacustrine clay deposited with few gravel, moist, medium plasticity, homogeneous, brown (10YR 5/3)
267	3	58384		LEAN CLAY (CL) - lacustrine clay deposited with little gravel, medium stiff, moist, high plasticity, lensed, grayish brown (10YR 5/2)
266	4	58385		
265	5			
264	6			
263	7	58386		
262	8		CL	
261	9			
260	10	58387		LEAN CLAY (CL) - lacustrine clay deposited with trace gravel, very soft, moist, high plasticity, homogeneous, gray (10YR 5/1)
259	11			
258	12			
257	13			
256	14			
255	15	58388		
254	16		ML	SILT (ML) - lacustrine silt and clay deposited with few gravel, very soft, moist to wet, medium plasticity, homogeneous, gray (10YR 5/1)
253	17	58389		
		58390		LEAN CLAY (CL) - very stiff, moist, medium plasticity, homogeneous, dark gray (10YR 4/1) lacustrine clay
252	18			
251	19			

Vane Shear Test / Field Index Test values: 294; 245; 33; 12; 93; 93; 147; 53; 18; 93; 490

PSD values: 16; 35; 11; 7/43/40/10; 12; 14

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-18
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 16-Nov-21 **TO:** 19-Nov-21
COORDINATES: 471939.1 E 5406726.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.0
TOTAL DEPTH (m): 62.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Clay; Silt; Silty Sand; Poorly Graded Sand; Poorly Graded Sand with Silt; Well Graded Gravel

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
270	20			CL	LEAN CLAY (CL) - very stiff, moist, meidum plasticity, homogeneous, gray (10YR 5/1) lacustrine clay
269	21				
268	22		58391	ML	SILT (ML) - lacustrine silt and sand with some sand, few gravel, trace cobbles, very stiff, dry to moist, poorly-graded, fine sand to fine sand, rounded, low plasticity, homogeneous, gray (10YR 5/1)
267	23				
266	24				
265	25				
264	26				SILT (ML) - lacustrine silt with little sand, little gravel, trace cobbles, medium stiff, moist, poorly-graded, fine sand to fine sand, rounded, low plasticity, lensed, gray (10YR 5/1)
263	27		58392		
262	28				
261	29				
260	30		58393		SILT (ML) - glaciofluvial silty sand with some sand, few gravel, stiff, moist to wet, well-graded, fine sand to medium sand, subrounded, non-plastic, rapid dilatency, lensed, gray (10YR 5/1)
259	31			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - glaciofluvial sandy silt with few fines, medium dense, moist, poorly-graded, fine sand to fine sand, rounded, non-plastic, rapid dilatency, homogeneous, gray (10YR 5/1)
258	32		58394		
257	33				
256	34			SP-SC	POORLY GRADED SAND WITH CLAY (SP-SC) - Glaciofluvial sand with few fines, loose, moist to wet, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, rapid dilatency, homogeneous, gray (10YR 5/1)
255	35				
254	36			ML	SILT (ML) - glaciofluvial silt with some sand, soft, moist to wet, poorly-graded, fine sand to fine sand, rounded, non-plastic, rapid dilatency, homogeneous, light gray (10YR 7/1)
253	37		58395		
252	38			SP	POORLY GRADED SAND (SP) - glaciofluvial sand with trace fines, loose, moist to wet, poorly-graded, fine sand to medium sand, rounded, homogeneous, gray (10YR 6/1)
			58396		

Grab; Shelby; SPT

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0; 100; 200; 300; 400; 500

SPT Blow Count
N Value[2]
0; 25; 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0; 20; 40; 60; 80; 100

Well Installation and Backfill Details
Stick-up (m): N/A

490
294
294
8
4/39/57
13 15
50
Refusal
1/92/8
18
5/9/9
1
0/1/0**

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

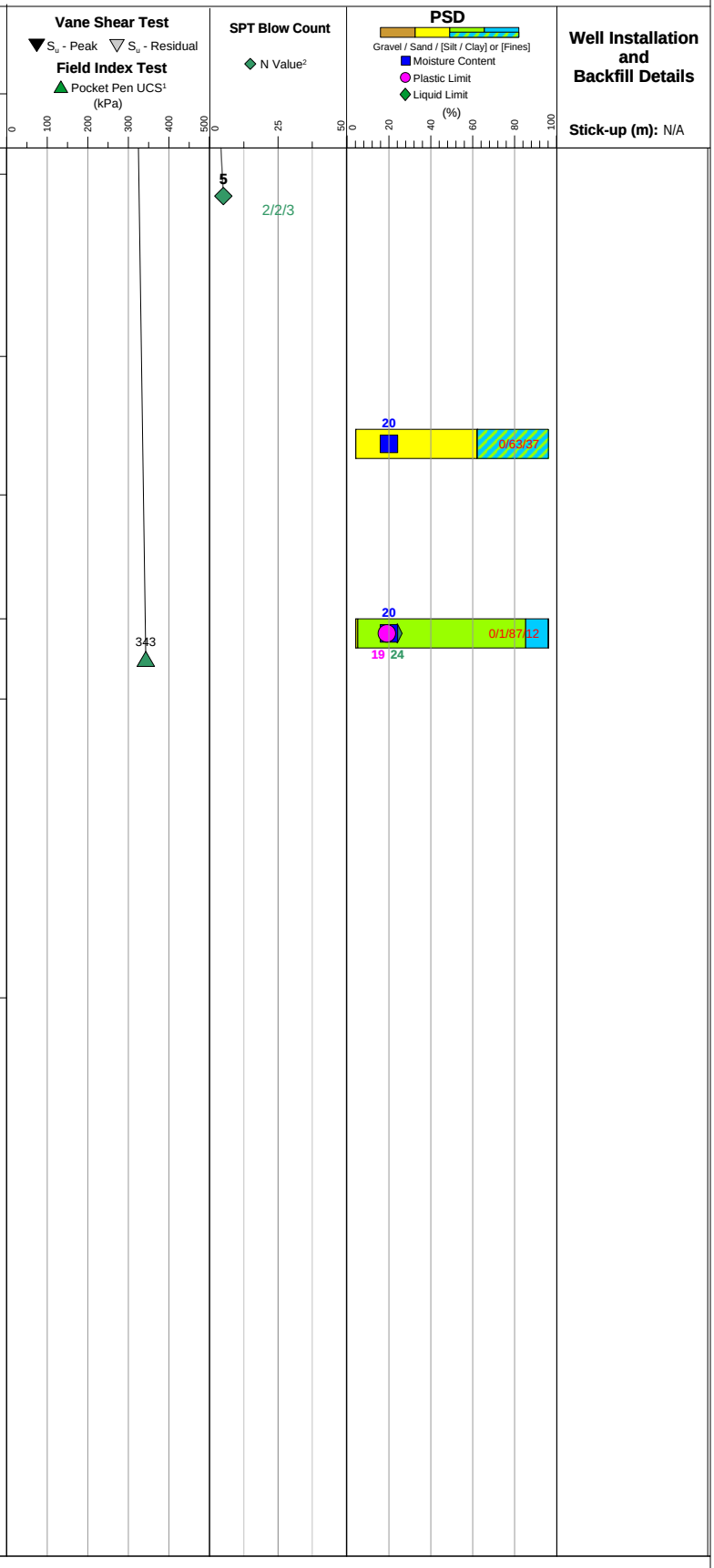
Well Installation Details

DRILLHOLE ID: SRK21-TSF-BH-18
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 16-Nov-21 **TO:** 19-Nov-21
COORDINATES: 471939.1 E 5406726.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.0
TOTAL DEPTH (m): 62.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
270	39				
269	40			SM	SILTY SAND (SM) - glaciofluvial silty sand with medium stiffness moist to wet, non-plastic, rapid dilatency, homogeneous, gray (10YR 6/1)
268	41				
267	42				SILTY SAND (SM) - glaciofluvial silty sand with medium stiffness, moist to wet, low plasticity, homogeneous, gray (10YR 6/1)
266	43		58397		
265	44		58398	ML	SILT (ML) - glaciofluvial silt with some sand, medium stiff, moist to wet, poorly-graded, fine sand to fine sand, rounded, non-plastic, rapid dilatency, lensed, gray (10YR 6/1)
264	45		58399	CL-ML	SILTY CLAY (CL-ML) - lacustrine clay deposited with medium stiffness, moist, medium plasticity, homogeneous, gray (10YR 6/1)
263	46				
262	47			ML	SILT (ML) - till deposited with little gravel, few cobbles, hard, dry to moist, non-plastic, slow dilatency, lensed, dark gray (10YR 4/1)
261	48				
260	49				
259	50				
258	51				
257	52				
256	53				
255	54				
254	55				SILT (ML) - till deposited with little gravel, few cobbles, hard, dry to moist, non-plastic, slow dilatency, lensed, dark gray (10YR 4/1); soil description was logged with the material washed in each run
253	56				
252	57				



Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

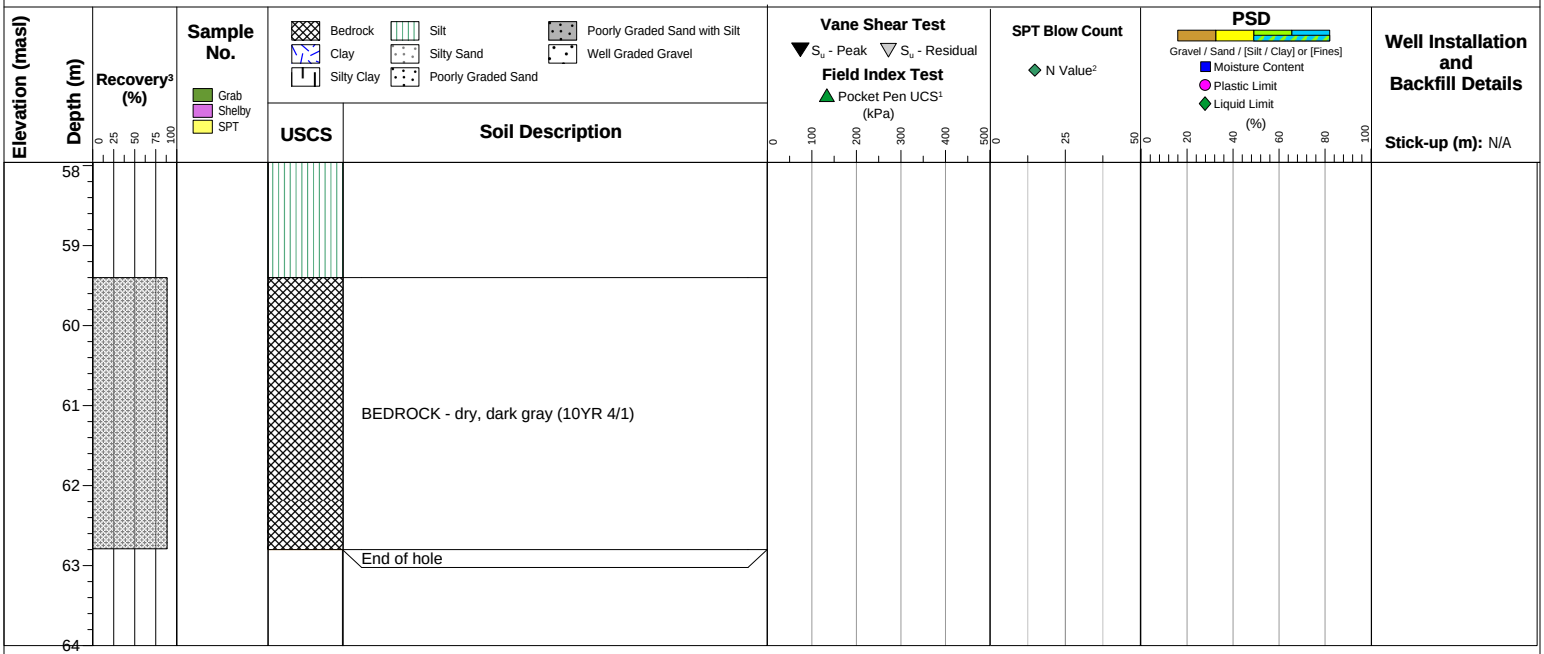
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-18
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Andres R. Barrero

DRILLING DATE: 16-Nov-21 **TO:** 19-Nov-21
COORDINATES: 471939.1 E 5406726.4 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.0
TOTAL DEPTH (m): 62.8
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-19
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 25-Oct-21 **TO:** 26-Oct-21
COORDINATES: 473373.8 E 5406524.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.9
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silt; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Recovery³ (%)

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Sample No.	USCS	Soil Description
271.9	0	58256	OH	ORGANIC SOIL (OH) - organics and roots
	1	58257		
	2		CH	FAT CLAY (CH) - some sand, medium stiff, moist, well-graded, fine sand to medium sand, rounded, high plasticity, grayish brown (10YR 5/2); material lost when recovering
	3	58258	SP	POORLY GRADED SAND (SP) - few fines, loose, moist to wet, poorly-graded; most was organic material
	4	58259		LEAN CLAY (CL) - little sand, trace gravel, stiff, moist, rounded, medium plasticity, gray (10YR 6/1)
	5	58260		LEAN CLAY (CL) - few sand, trace gravel, soft, moist to wet, poorly-graded, fine sand to medium sand, subrounded to subangular, medium plasticity, dark gray (10YR 4/1); becomes softer from 6.1-7.6ft
		58261		
	6			
	7	58262		
	8	58263		
		58264	CL	
	9			
	10	58265		LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, medium plasticity, dark gray (10YR 4/1)
	11	58266		
	12			
	13			
		58267		LEAN CLAY (CL) - trace sand, trace gravel, very soft, wet, medium plasticity, gray (10YR 6/1)
	14	58268	ML	SILT (ML) - some sand, few gravel, very soft, wet, fine sand to coarse sand, subangular to angular, low plasticity, gray (10YR 6/1)
	15		SP	POORLY GRADED SAND (SP) - little fines, few gravel, loose, wet, fine sand to coarse sand, subrounded to subangular, low plasticity, gray (10YR 6/1)
		58269		
	16			
	17	58270	SM	SILTY SAND (SM) - some fines, few gravel, medium dense, wet, fine sand to coarse sand, subangular to angular, low plasticity, gray (10YR 6/1)
	18	58271		LEAN CLAY (CL) - some sand, few gravel, medium stiff, dry to moist, fine sand to medium sand, subrounded, medium plasticity, dark gray (10YR 4/1)
		58272	CL	
	19			

Vane Shear Test: 205; 65; 19; 41; 25
PSD: 15; 31
SPT Blow Count: 50; Refusal

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK21-TSF-BH-19
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 25-Oct-21 **TO:** 26-Oct-21
COORDINATES: 473373.8 E 5406524.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.9
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Clay; Silt; Silty Sand; Well Graded Sand; Poorly Graded Sand; Poorly Graded Gravel; Organic Soil

Recovery³ (%) — Grab; Shelby; SPT

Sample No.	USCS	Soil Description
58273	SP	POORLY GRADED SAND (SP) - some gravel, few fines, dense, dry, medium sand to fine gravel, subangular to angular, non-plastic
58274	ML	SILT (ML) - few gravel, trace cobbles, very stiff, dry to moist, medium plasticity, very dark gray (10YR 3/1)
58275	ML	SILT (ML) - till deposited with few cobbles, few gravel, hard, dry to moist, non-plastic
58276	ML	
58277	ML	
58278	ML	SILT (ML) - till deposited with few cobbles, few gravel, hard, very dense, dry, non-plastic
58279	ML	
		NO RECOVERY - sample had to be washed out due to difficulties with the SPT
58280		

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²
50 — Refusal
1 — 0/0/1**

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

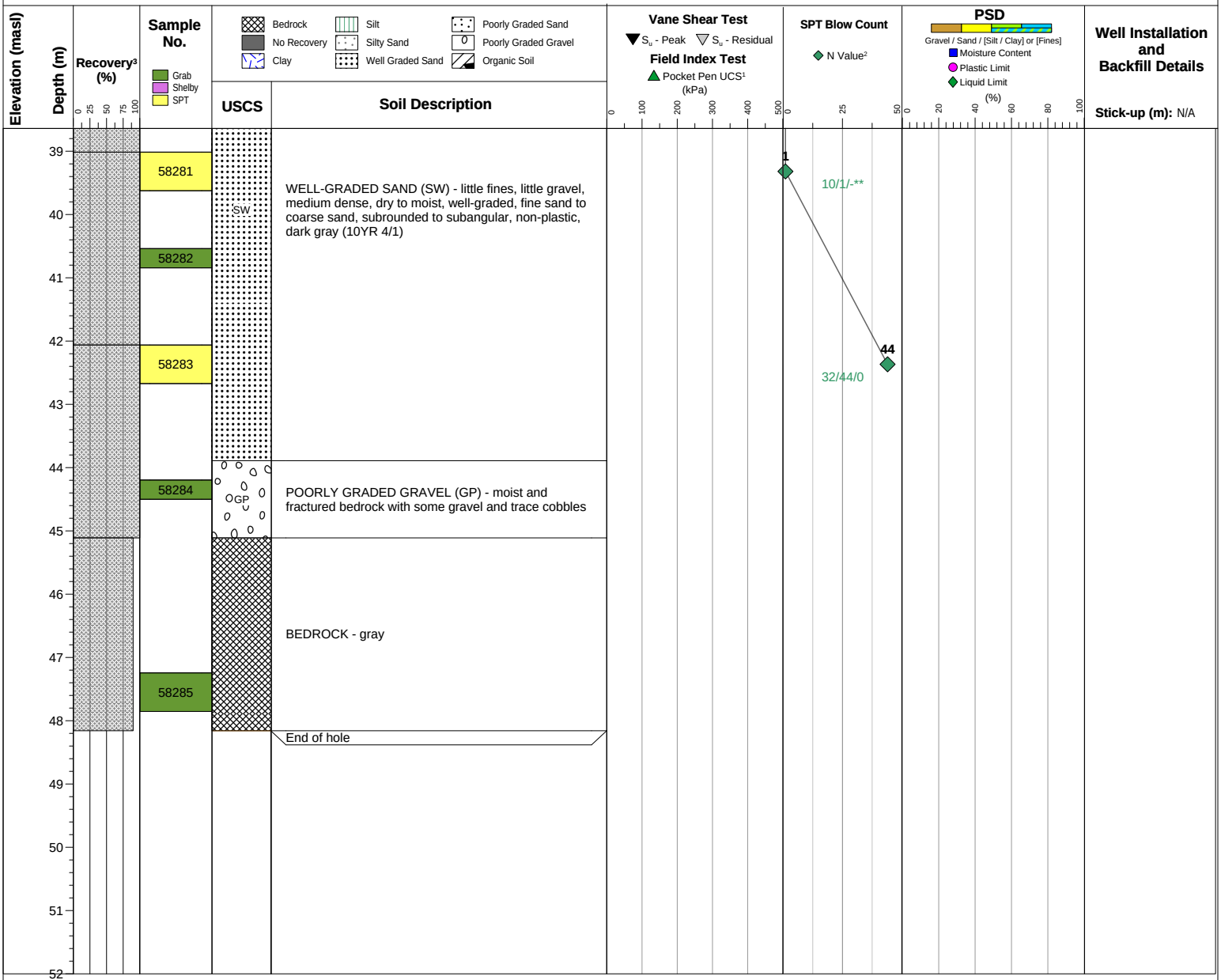
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF-BH-19
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 25-Oct-21 **TO:** 26-Oct-21
COORDINATES: 473373.8 E 5406524.3 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.9
TOTAL DEPTH (m): 48.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-22
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 17-Mar-22 **TO:** 18-Mar-22
COORDINATES: 473635.1 E 5407077.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
	0		167081	OH	ORGANIC SOIL (OH) - moist to wet organics, hit a root
	1		167082		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, very soft, moist, gray (2.5Y 6/1)
	2		167083		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, soft, moist, grayish brown (2.5Y 5/2)
	3		167084		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, very soft, moist to wet, poorly-graded, light brownish gray (2.5Y 6/2)
	4		167085		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, soft, moist, medium stiff, poorly-graded, dark gray (10YR 4/1)
	5				
	6		167086		
	7		167087		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, very soft, moist, dark gray (10YR 4/1)
	8				
	9		167088		
	10				
	11		167089		
	12			CH	
	13				
	14		167090		
	15				FAT CLAY (CH) - high plasticity, very soft, moist, dark gray (10YR 4/1) ; 1-2cm laminations
	16				
	17		167091		
	18				
	19		167092		

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
Vane Shear Test / Field Index Test values: 49, 98, 74, 49, 98, 108, 221, 19, 49, 40, 21, 49, 41, 19

SPT Blow Count: N Value²

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)
PSD values: 55, 0/0/23/77, 26, 57; 39, 0/0/43/57, 21, 40

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details: Sand, Bentonite, PVC, Screen, Chips

DRILLHOLE ID: SRK22-TSF-BH-22
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 17-Mar-22 **TO:** 18-Mar-22
COORDINATES: 473635.1 E 5407077.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
			167093		FAT CLAY (CH) - lacustrine clay deposited with high plasticity, soft, moist to wet, stratified (6 mm), gray (10YR 6/1) ; Laminated 6cm light gray clay with 4cm dark soft clay
			167094	SM	SILTY SAND (SM) - some fines, trace cobbles, low plasticity, loose, wet, well-graded, fine sand to medium sand, subrounded, homogeneous, gray (10YR 5/1)
			167095	SW	WELL-GRADED SAND (SW) - little gravel, trace cobbles, loose, wet, well-graded, medium sand to fine gravel, subrounded, homogeneous, dark grayish brown (10YR 4/2)
				GW	WELL-GRADED GRAVEL (GW) - some sand, little cobbles, loose, wet, well-graded, medium sand to coarse gravel, subrounded, homogeneous, gray (10YR 5/1)
				CL	LEAN CLAY (CL) - till deposited with little gravel, few cobbles, medium plasticity, medium stiff, moist, gap-graded, coarse gravel and coarse gravel, subrounded, homogeneous, gray (10YR 6/1)
			167096	ML	SILT (MH) - some sand, little gravel, few cobbles, medium plasticity, stiff, moist, poorly-graded, medium sand to fine gravel, subrounded, homogeneous, gray (10YR 5/1)
				CL	LEAN CLAY (CL) - till deposited with little gravel, few cobbles, trace sand, medium plasticity, very stiff, dry, poorly-graded, coarse sand to fine gravel, subrounded, homogeneous, dark gray (10YR 4/1)
			167097	ML	SILT (ML) - some gravel, little cobbles, few sand, medium plasticity, stiff, moist, poorly-graded, medium sand to fine gravel, subrounded, homogeneous, gray (10YR 5/1)
				CL	LEAN CLAY (CL) - little gravel, trace cobbles, medium plasticity, hard, moist, poorlygraded, fine gravel to coarse gravel, subangular, homogeneous, gray (10YR 5/1)
			167098	CL-ML	SILTY CLAY (CL-ML) - stiff clay mixture with high plasticity, very stiff, moist to wet, stratified (80 mm), gray (10YR 6/1); laminated with 6cm of plastic silts
				CL	LEAN CLAY (CL) - medium plasticity, hard, moist to wet, homogeneous, gray (10YR 5/1)
				ML	SILT (ML) - some sand, medium plasticity, stiff, moist to wet, poorly-graded, fine sand to medium sand, rounded, homogeneous, gray (10YR 6/1)
			167099	CL	LEAN CLAY (CL) - clay lensed with silt of high plasticity, hard, moist, lensed, dark gray (10YR 4/1)
			167100	ML	SILT (ML) - little sand, medium plasticity, stiff, moist to wet, poorly-graded, fine sand to coarse sand, rounded, homogeneous, gray (10YR 5/1)
			167740	CL	LEAN CLAY (CL) - clay lensed with silt and trace gravel, medium plasticity, hard, moist, lensed, dark gray (10YR 4/1)
			167741		SILT (ML) - little sand, medium plasticity, stiff, moist, poorly-graded, fine sand, gray (10YR 5/1)

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test — Pocket Pen UCS¹ (kPa): 49, 147, 138, 76, 392, 490, 490

SPT Blow Count — N Value²: 4 (2/1/3)

PSD — Gravel / Sand / [Silt / Clay] or [Fines] (%); Moisture Content; Plastic Limit; Liquid Limit
1/93/7
10, 11/30/50/10, 13, 14
12, 6/22/50/22, 12, 23

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, Bentonite, PVC, Screen, Chips

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-22
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 17-Mar-22 **TO:** 18-Mar-22
COORDINATES: 473635.1 E 5407077.7 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.4
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Gravel, Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
271.4	0				
270.4	1				
269.4	2				
268.4	3				
267.4	4				
266.4	5				
265.4	6				
264.4	7				
263.4	8				
262.4	9				
261.4	10				
260.4	11				
259.4	12				
258.4	13				
257.4	14				
256.4	15				
255.4	16				
254.4	17				
253.4	18				
252.4	19				
251.4	20				
250.4	21				
249.4	22				
248.4	23				
247.4	24				
246.4	25				
245.4	26				
244.4	27				
243.4	28				
242.4	29				
241.4	30				
240.4	31				
239.4	32				
238.4	33				
237.4	34				
236.4	35				
235.4	36				
234.4	37				
233.4	38				
232.4	39				LEAN CLAY (CL) - clay lensed with silt and trace sand, trace gravel, medium plasticity, hard, dry to moist, dark gray (10YR 4/1)
231.4	40				LEAN CLAY (CL) - till deposited with few gravel, few cobbles, few sand, medium plasticity, hard, dry to moist, well-graded, fine sand to coarse gravel, subangular, dark greenish gray (5GY 4/1)
230.4	41				BEDROCK - partially pulverized
229.4	42				End of hole
228.4	43				
227.4	44				

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400, 500

SPT Blow Count
N Value²
0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-23
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 14-Feb-22 **TO:** 15-Feb-22
COORDINATES: 475196 E 5407089 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 35.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Silty Sand, Organic Soil

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
0			OH	ORGANIC SOIL (OH)
0 – 1		167301		
1 – 2		167302		LEAN CLAY (CL) - few sand, medium stiff, moist, well-graded, fine sand to coarse sand, subrounded, medium plasticity, brown (10YR 5/3)
2 – 3		167303		
3 – 4		167304		
4 – 5				
5 – 6		167305		
6 – 7		167306		LEAN CLAY (CL) - trace gravel, very soft, moist, medium plasticity, gray (10YR 5/1)
7 – 8				
8 – 9		167307		
9 – 10				
10			CL	LEAN CLAY (CL) - till deposited with few sand, few gravel, trace cobbles, medium stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, gray (10YR 5/1)
11 – 12		167308		
12 – 13				
13 – 14				LEAN CLAY (CL) - till deposited with few sand, few coarse gravel, trace cobbles, dense, very stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, dark gray (10YR 4/1)
14 – 15		167309		
15 – 16				
16 – 17				
17				LEAN CLAY (CL) - medium stiff, moist, medium plasticity, dark gray (10YR 4/1)
17 – 18		167310		
18 – 19				LEAN CLAY (CL) - hard, moist, medium plasticity, dark gray (10YR 4/1)

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 0, 100, 200, 300, 400, 500
67 (18)
24 (4)

SPT Blow Count
N Value²: 0, 25, 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%): 0, 20, 40, 60, 80, 100
21 (15, 26) 1/18/44/37
27 (20, 36) 0/4/47/49
8 (24, 43) 8/38/40/13

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-23
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 14-Feb-22 **TO:** 15-Feb-22
COORDINATES: 475196 E 5407089 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 275.5
TOTAL DEPTH (m): 35.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Silt, Organic Soil, Clay, Silty Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
275	20		167311		
274	21		167312		SILTY SAND (SM) - loose, moist to wet, fine sand to medium sand, rounded, dark gray (10YR 4/1)
			167313		SILTY SAND (SM) - silty sand with few fines, medium dense, moist, fine sand to medium sand, rounded, non-plastic, dark gray (10YR 4/1)
273	22				SILTY SAND (SM) - trace fines, medium dense, moist, fine sand to medium sand, rounded, gray (10YR 5/1)
	23		167314	SM	
272	24		167315		SILTY SAND (SM) - trace fines, medium dense, wet, fine sand to medium sand, rounded, gray (10YR 5/1)
	25				
	26		167316		SILTY SAND (SM) - trace fines, medium dense, moist, fine sand to medium sand, rounded, gray (10YR 5/1)
271	27		167317	ML	SILT (ML) - till deposited with some sand, little cobbles, hard, dry to moist, well-graded, fine sand to fine gravel, rounded to subrounded, non-plastic, black (10YR 2/1)
			167318		
	28				BEDROCK - weathered
	29				
	30				
	31				
	32				
	33				BEDROCK
	34				
	35				
	36				End of hole

Vane Shear Test
S_u - Peak S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 100 200 300 400 500

SPT Blow Count
N Value²
0 25 50

SPT: 16 (5/8/8); 9 (2/4/5)

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

PSD: 25; 13; 26; 0/1/56/43; 0/56/44; 4/36/60

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-25
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Bryce Marcotte/Thomas McMann/Kisa Elmer

DRILLING DATE: 31-Jan-22 **TO:** 04-Feb-22
COORDINATES: 476776.8 E 5406403.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.0
TOTAL DEPTH (m): 86.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Sample No. (Grab, Shelby, SPT) | Recovery³ (%) | Elevation (masl) | Depth (m) | USCS | Soil Description

Depth (m)	Sample No.	USCS	Soil Description
0		OH	ORGANIC SOIL (OH) - very soft, moist to wet, non-plastic, dark brown (10YR 3/3) organics and snow
1		OH	ORGANIC SOIL (OH) - very soft, moist to wet, non-plastic, dark brown (10YR 3/3) organics
2	167046	CL	LEAN CLAY (CL) - trace gravel, soft, moist to wet, low plasticity, light gray (10YR 7/1)
3	167047	CL	LEAN CLAY (CL) - very soft, wet, medium plasticity, gray (10YR 6/1)
4		CL	
5	167048	CL	
6	167049	CL	LEAN CLAY (CL) - very soft, wet, medium plasticity, gray (10YR 5/1) clay
7		CL	
8		CL	
9	167050	CL	
	167451	CL	LEAN CLAY (CL) - soft, moist to wet, medium plasticity, gray (10YR 5/1)
10		CL	
11		SM	SILTY SAND (SM) - some fines, trace gravel, medium dense, moist to wet, well-graded, fine sand to medium sand, subrounded to subangular, non-plastic, slow dilatency, gray (10YR 5/1)
12	167452	SM	SILTY SAND (SM) - some fines, loose, well-graded, fine sand to medium sand, subrounded to subangular, non-plastic, slow dilatency, gray (10YR 5/1); 11.6-12.8m disturbed by drilling. appears very loose
13		SM	
14	167453	CL	LEAN CLAY (CL) - stiff, dry to moist, medium plasticity, gray (10YR 5/1) layered clay
15		CL	
16	167454	CL	LEAN CLAY (CL) - very stiff, dry to moist, medium plasticity, gray (10YR 5/1)
17		CL	
18		CL	
19		CL	

No Recovery, Clay, Silt, Silty Sand, Clayey Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Well Graded Gravel, Well Graded Gravel with Clay, Organic Soil, Boulder

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400, 500

SPT Blow Count
N Value²
0, 25, 50
Refusal
50

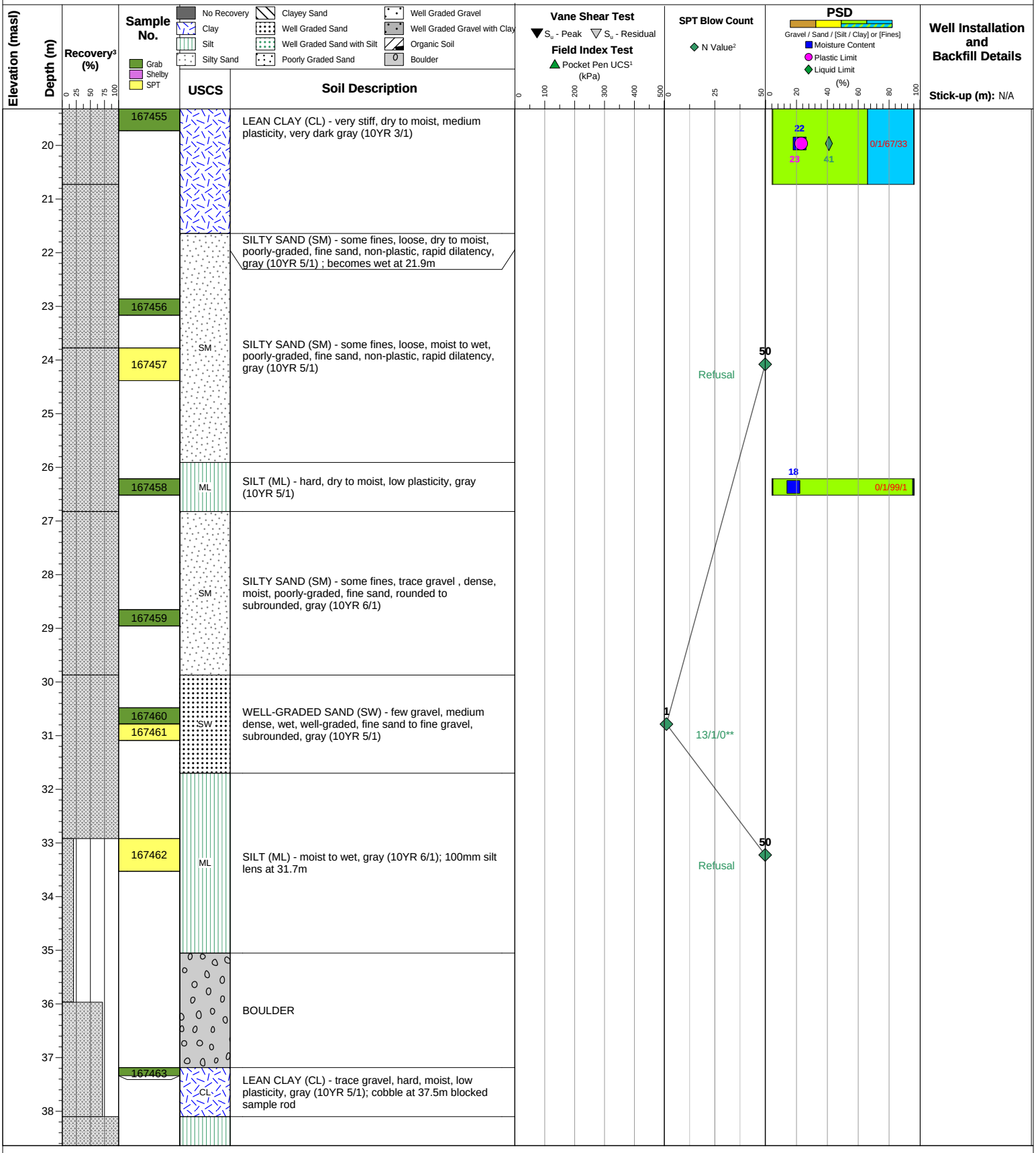
PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100

21 | 0/15/60/25 | 15 | 27
22 | 0/0/73/27 | 23 | 32

Well Installation and Backfill Details
Stick-up (m): N/A

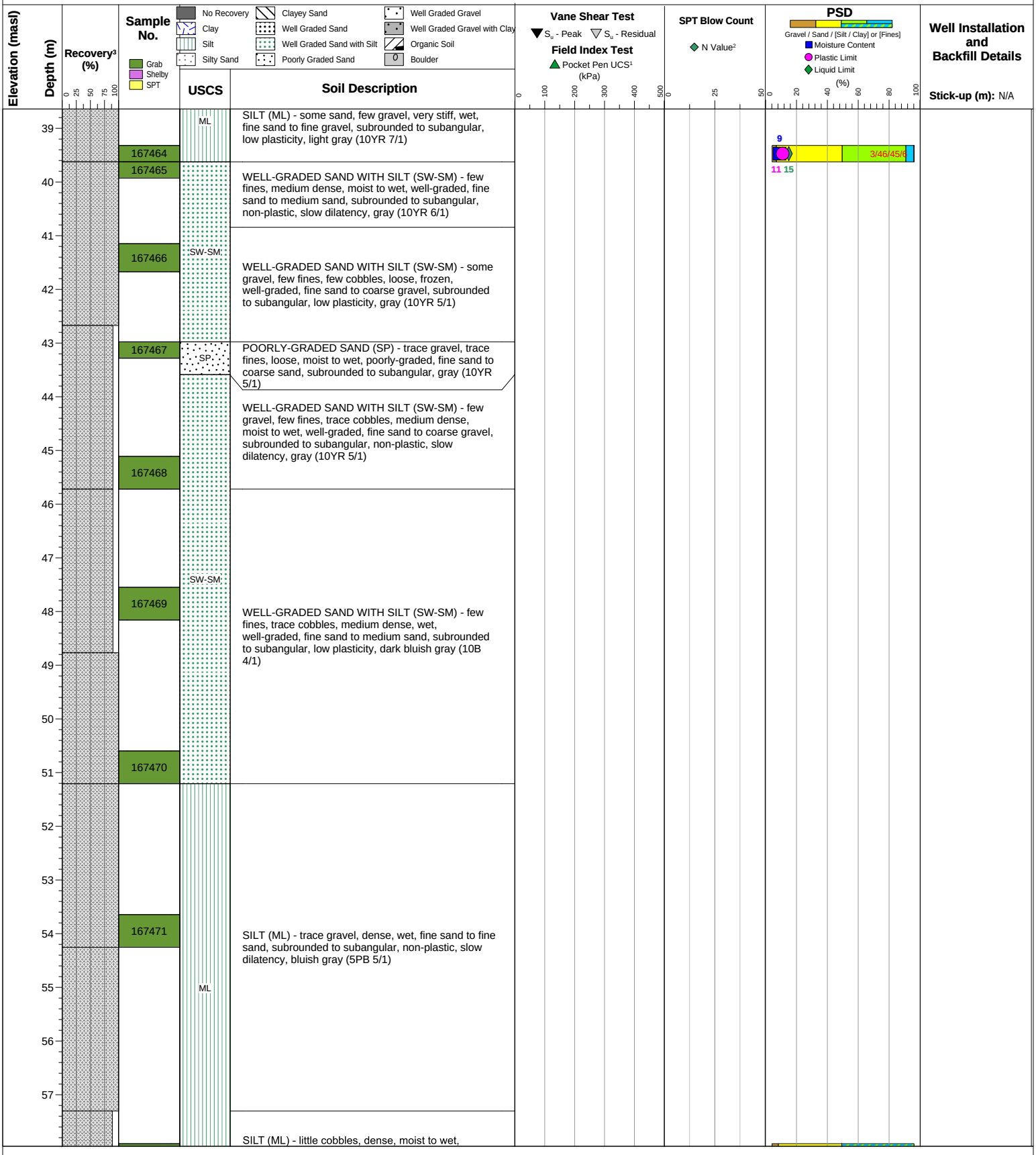
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-25
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Bryce Marcotte/Thomas McMann/Kisa Elmer

DRILLING DATE: 31-Jan-22 **TO:** 04-Feb-22
COORDINATES: 476776.8 E 5406403.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.0
TOTAL DEPTH (m): 86.6
WATER LEVEL (mbgs): N/A

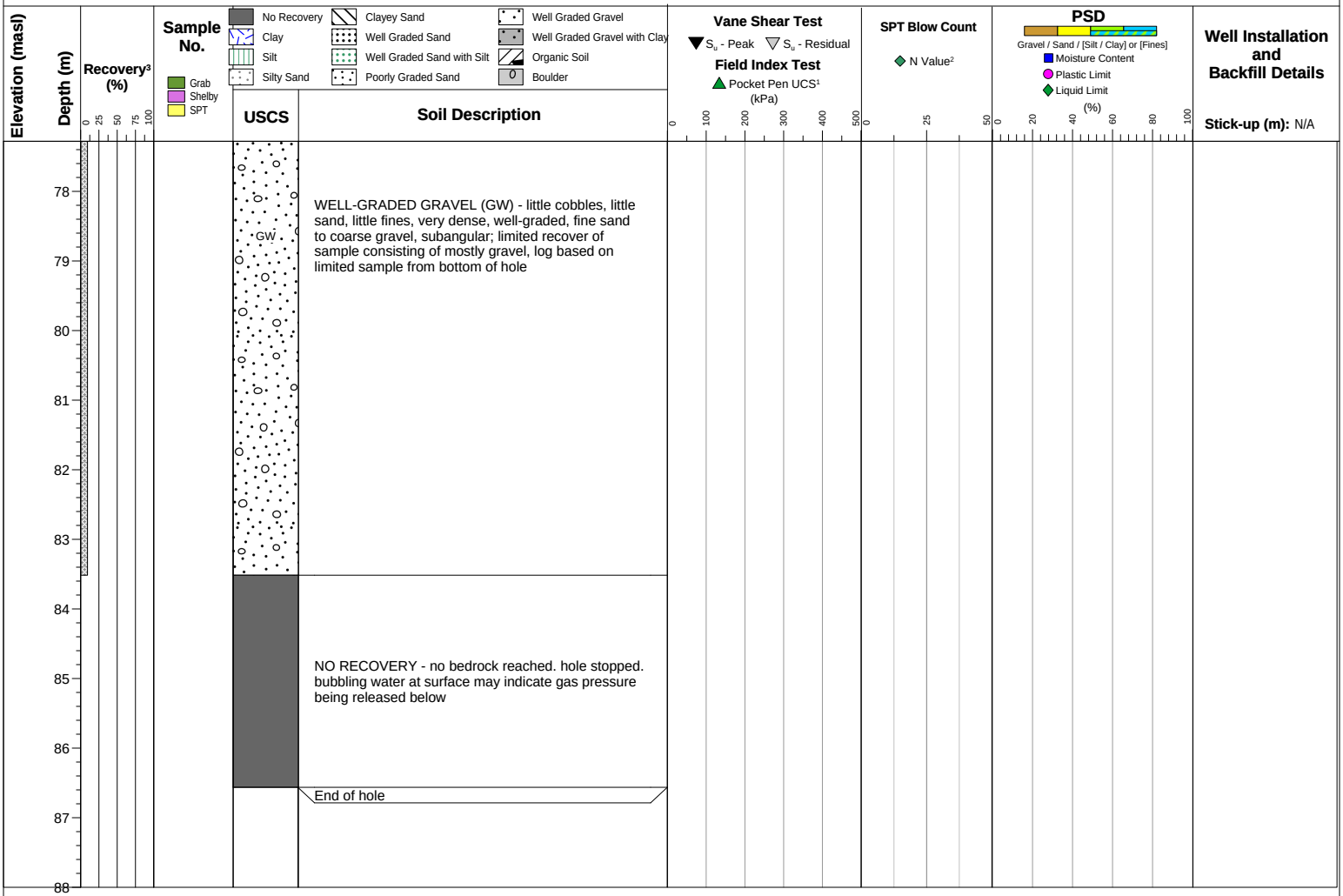
PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

No Recovery | Clayey Sand | Well Graded Gravel
Clay | Well Graded Sand | Well Graded Gravel with Clay
Silt | Well Graded Sand with Silt | Organic Soil
Silty Sand | Poorly Graded Sand | Boulder
Grab | Shelby | SPT

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
	58		167472		wellgraded, fine sand to coarse gravel, subrounded, low plasticity, dark gray (10YR 4/1)			44/56/0	Stick-up (m): N/A
	59			GW-GC	WELL-GRADED GRAVEL WITH CLAY (GW-GC) - little cobbles, few sand, few fines, medium dense, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, dark gray (10YR 4/1)				
	60		167473						
	61		167474	GW	WELL-GRADED GRAVEL (GW) - some gravel, moist, well-graded, subrounded, greenish black (10G 2.5/1); driller noted that layer from 60.0-63.1m was washed out				
	62								
	63								
	64		167475	SC	CLAYEY SAND (SC) - some gravel, some fines, few cobbles, dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, very dark greenish gray (5BG 3/1)			11 18/38/38/6	
	65								
	66		167476	ML	SILT (ML) - silt with little gravel, few sand, stiff, moist, gap-graded, fine gravel and coarse gravel, rounded to subrounded, non-plastic, slow dilatency, bluish gray (10B 5/1)				
	67								
				GW	WELL-GRADED GRAVEL (GW)				
	68								
	69		167477						
	70		167478	ML	SILT (ML) - few sand, few gravel, hard, dry, gap-graded, fine sand and coarse gravel, rounded, non-plastic, bluish gray (10B 6/1); driller noted hard layer at 71.3m, lost approximately 1.2m				
	71								
	72								
	73		167479	CL	LEAN CLAY (CL) - little gravel, few cobbles, very stiff, dry to moist, medium plasticity, bluish gray (5PB 5/1); cobble at 11.6m. 0.6m of core from last run in photos. 1.5m run			6 5/36/55/4	
	74								
	75								
	76								
	77								

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-26
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 12-Mar-22 **TO:** 14-Mar-22
COORDINATES: 472151.3 E 5405899.0 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.6
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): (a) 1.8 and (b) 1.8 (measured on March 17, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Well Graded Gravel, Boulder

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content, Plastic Limit, Liquid Limit (%)

Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
0			CL	LEAN CLAY (CL) - little gravel, medium plasticity, stiff, moist, poorly-graded, coarse sand to fine gravel, rounded, homogeneous, black (10YR 2/1)
1			CH	FAT CLAY (CH) - clay with organic content and high plasticity, soft, moist, stratified (20 mm), light yellowish brown (10YR 6/4)
2		168232		
			CH	FAT CLAY (CH) - lacustrine clay deposited with trace sand, high plasticity, stiff, moist, homogeneous, very dark gray (10YR 3/1)
3			CL	LEAN CLAY (CL) - non-plastic, very soft, moist, organics with rapid dilatency, black (10YR 2/1)
			CH	FAT CLAY (CH) - lacustrine clay deposited with high plasticity, stiff, moist, homogeneous, brownish yellow (10YR 6/6)
			CL	LEAN CLAY (CL) - low plasticity, very soft, moist, black (10YR 2/1), contains organic
4		168233		
		168234	CH	FAT CLAY (CH) - lacustrine clay deposited with high plasticity, stiff, moist, homogeneous, dark gray (10YR 4/1)
5				
6				
7		168235		LEAN CLAY (CL) - few sand, trace gravel, medium plasticity, very soft, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, dark gray (10YR 4/1)
8				
9		168236		
10			CL	
11		168237		
12				LEAN CLAY (CL) - medium plasticity, very soft, moist to wet, gray (10YR 5/1) ; laminated with dark gray (1-2cm layers)
13				
14		168238		
15				
		168239	CL-ML	SILTY CLAY (CL-ML) - clay with few sand, medium plasticity, soft, wet, poorly-graded, fine sand, gray (10YR 5/1)
16				
17				
18				
19		168240		

Vane Shear Test: 196, 392, 392, 441, 24, 0, 49, 38, 21, 44, 0, 49, 21, 45, 29, 98, 147
PSD: 27, 3/13/43/42, 17, 31; 43, 0/2/35/64, 22, 42; 17, 0/10/81/10, 15, 20

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-26
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 12-Mar-22 **TO:** 14-Mar-22
COORDINATES: 472151.3 E 5405899.0 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.6
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): (a) 1.8 and (b) 1.8 (measured on March 17, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Well Graded Gravel, Boulder

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
270	20			ML	SILT (ML) - few sand, low plasticity, very soft, wet, poorly-graded, fine sand, gray (10YR 5/1)
269	21				
268	22				
267	23		168241		
266	24				
265	25				
264	26				
263	27		168242	SM	SILTY SAND (SM) - little fines, non-plastic, loose, medium dense, moist to wet, poorly-graded, fine sand, gray (10YR 5/1); no recovery from 26.8-29.9m
262	28				
261	29				
260	30				
259	31				
258	32			SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - glaciofluvial silt with little cobbles, few fines, non-plastic, very loose, wet, well-graded, fine sand to coarse sand, rounded, slow dilatency, homogeneous, gray (10YR 6/1)
257	33		168243	SW	WELL-GRADED SAND (SW) - fluvial sand with few gravel, medium dense, moist, well-graded, medium sand to fine gravel, subrounded to subangular, homogeneous, very dark gray (10YR 3/1)
256	34		168244		WELL-GRADED SAND (SW) - fluvial sand with medium dense, moist to wet, well-graded, fine sand to coarse sand, subrounded, homogeneous, gray (10YR 5/1)
255	35				
254	36		168245	SP	POORLY GRADED SAND (SP) - medium dense, moist, poorly-graded fluvial fine sand, rounded, homogeneous, gray (10YR 6/1)
253	37				
252	38			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - fluvial sandy silt with few fines, low plasticity, medium dense, moist to wet, poorly-graded, fine sand to fine

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS[1] (kPa)
0, 100, 200, 300, 400

SPT Blow Count
N Value[2]
0, 25, 50
18
11/12/6
50
Refusal

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
0/62/38

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

DRILLHOLE ID: SRK22-TSF-BH-26
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 12-Mar-22 **TO:** 14-Mar-22
COORDINATES: 472151.3 E 5405899.0 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.6
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): (a) 1.8 and (b) 1.8 (measured on March 17, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Well Graded Gravel, Boulder

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
			168246		sand, rounded, homogeneous, gray (10YR 6/1)
270	39			GP	BOULDER - moist to wet, homogeneous, black (10YR 2/1)
	40		168247	SW	WELL-GRADED SAND (SW) - medium dense, moist to wet, well-graded, medium fluvial sand to fine gravel, subrounded to subangular, homogeneous, very dark gray (10YR 3/1)
	41			SP	POORLY GRADED SAND (SP) - little gravel, medium dense, moist to wet, gap-graded, fine Fluvial sand and coarse gravel, rounded, homogeneous, gray (10YR 5/1)
			168248		
	42			SW	POORLY GRADED SAND (SP) - dense, wet, poorly-graded, fine sand to medium sand, subrounded to subangular, homogeneous, gray (10YR 6/1)
	43				WELL-GRADED SAND (SW) - few gravel, loose, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (5Y 6/1)
			168249	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, trace gravel, non-plastic, medium dense, moist to wet, poorly-graded, fine sand to medium sand, gray (5Y 6/1)
	44			SW	WELL-GRADED SAND (SW) - little gravel, few cobbles, loose, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (5Y 6/1)
			168250		
	45		167051	GW	WELL-GRADED GRAVEL (GW) - some sand, few cobbles, loose, wet, well-graded, medium sand to coarse gravel, subrounded to subangular, gray (5Y 6/1)
	46		167052	SW	WELL-GRADED SAND (SW) - few gravel, loose, moist to wet, well-graded, medium sand to fine gravel, subrounded to subangular, gray (5Y 6/1)
	47			SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - trace gravel, loose, moist to wet, poorly-graded, fine sand to medium sand, gray (5Y 6/1)
			167053		
	48		167054	CL	LEAN CLAY (CL) - till deposited with little sand, trace gravel, trace cobbles, medium plasticity, hard, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, greenish gray (10BG 6/1)
	49				
	50				BEDROCK - till and weathered bedrock deposited with little sand, little gravel, few cobbles, greenish gray (10BG 6/1)
			167058		
	51				
	52				
	53				
	54				
	55				BEDROCK - dry, homogeneous, dark greenish gray (10BG 4/1)
	56				
	57				End of hole

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0, 100, 200, 300, 400

SPT Blow Count
N Value²
0, 25, 50
Refusal
50
6
3/6/0

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0, 20, 40, 60, 80, 100
3/85/12
11
16/34/40/10
20 24

Well Installation and Backfill Details
Stick-up (m): 0.9

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-26
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 12-Mar-22 **TO:** 14-Mar-22
COORDINATES: 472151.3 E 5405899.0 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 270.6
TOTAL DEPTH (m): 57.3
WATER LEVEL (mbgs): (a) 1.8 and (b) 1.8 (measured on March 17, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
58									Stick-up (m): 0.9
59									
60									

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Well Graded Sand with Silt, Poorly Graded Sand, Poorly Graded Sand with Silt, Well Graded Gravel, Boulder

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
SPT Blow Count: N Value²
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-27
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Bryce Marcotte/Kisa Elmer/Matthew Armoh

DRILLING DATE: 03-Feb-22 **TO:** 10-Feb-22
COORDINATES: 476772 E 5405731 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.8
TOTAL DEPTH (m): 39.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
0–1			OH	ORGANIC SOIL (OH) - organics with poor recovery
2		167480	CH	FAT CLAY (CH) - very soft, moist to wet, medium plasticity, greenish gray (10GY 5/1)
2–3			OH	ORGANIC SOIL (OH) - wet, dark brown (10YR 3/3); poorly recovered organic
3		167481		
3–5			CL	LEAN CLAY (CL) - little sand, few gravel, medium stiff, moist to wet, subrounded to subangular, medium plasticity, gray (10YR 6/1); decreasing stiffness with depth
5		167482		LEAN CLAY (CL) - little sand, few gravel, very soft, wet, rounded, medium plasticity, gray (10YR 6/1)
5–6		167483		
6		167484		
7		167485		
8		167486		
9–11			CL	LEAN CLAY (CL) - very soft, wet, medium plasticity, gray (10YR 5/1)
11		167487		
12		167488		
13–14		167489		
15–16		167490		
16–17		167491		
18–19				

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Organic Soil

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
58, 40, 21, 29

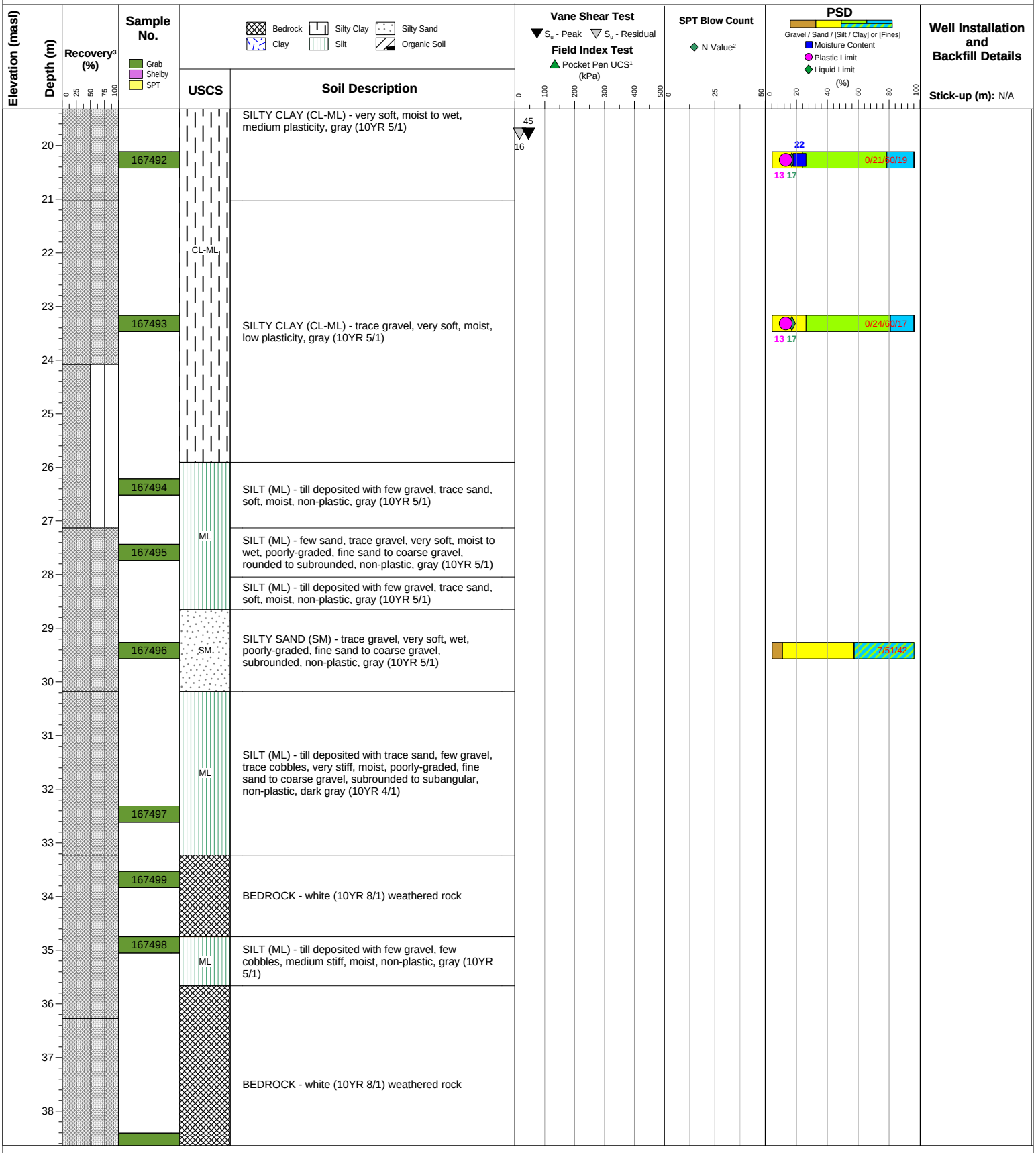
SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
39, 21, 40, 00/57/43

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-27
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Bryce Marcotte/Kisa Elmer/Matthew Armoh

DRILLING DATE: 03-Feb-22 **TO:** 10-Feb-22
COORDINATES: 476772 E 5405731 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.8
TOTAL DEPTH (m): 39.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
					Bedrock, Clay, Silty Clay, Silt, Silty Sand, Organic Soil	S_u - Peak, S_u - Residual; Pocket Pen UCS¹ (kPa)	N Value²	Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content, Plastic Limit, Liquid Limit (%)	Stick-up (m): N/A
		0 25 50 75 100	Grab, Shelby, SPT			0 100 200 300 400 500	0 25 50	0 20 40 60 80 100	
			167500						
39					End of hole				
40									

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-28
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 11-Mar-22 **TO:** 12-Mar-22
COORDINATES: 472174.5 E 5404745.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.9
TOTAL DEPTH (m): 32.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Organic Soil | Clay | Silty Sand

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
0–1		168216	OH	ORGANIC SOIL (OH)
2		168217	SM	SILTY SAND (SM) - some fines, low plasticity, very loose, moist to wet, poorly-graded, fine sand to medium sand; peat mixed with sand, dark brown
2–3		168218	SM	SILTY SAND (SM) - little fines, non-plastic, very loose, wet, poorly-graded, fine sand to medium sand, dark gray (10YR 4/1)
3–4		168219	CL	LEAN CLAY (CL) - few sand, trace gravel, trace cobbles, medium plasticity, medium stiff, moist, dark gray (10YR 4/1)
5		168220	CL	LEAN CLAY (CL) - few sand, trace gravel, medium plasticity, very soft, moist, gray (10YR 5/1)
5–8		168221, 168222	CL	LEAN CLAY (CL) - trace sand, medium plasticity, very soft, moist, gray (10YR 5/1)
9–12		168223, 168224	CL	LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, very soft, moist to wet, homogeneous, dark gray (10YR 4/1)
13–16		168225, 168226	CL	LEAN CLAY (CL) - lacustrine clay deposited with medium plasticity, very soft, moist to wet, laminated (5 mm), dark gray (10YR 4/1)
16–19		168227		

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test
Pocket Pen UCS¹ (kPa): 196, 294; 23, 12; 38, 98; 49, 98; 72, 32

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
34 — 0/9/39/53 — 19, 36
31 — 0/0/59/41 — 20, 40

Well Installation and Backfill Details
Stick-up (m): N/A

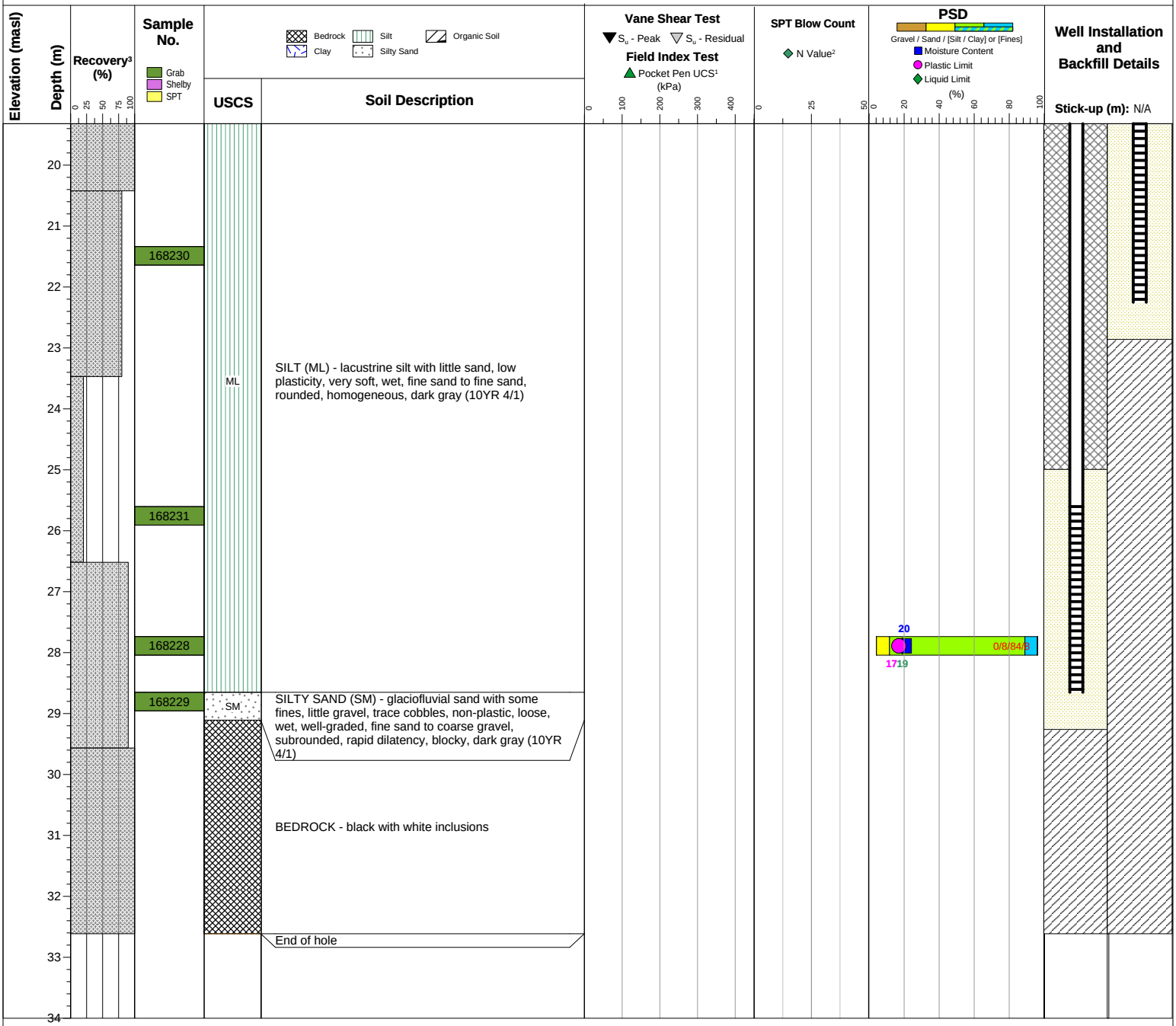
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand | PVC | Screen | Chips | Bentonite

DRILLHOLE ID: SRK22-TSF-BH-28
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 11-Mar-22 **TO:** 12-Mar-22
COORDINATES: 472174.5 E 5404745.6 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 273.9
TOTAL DEPTH (m): 32.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-30
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: kyle Scale/Dmitry Berdyugin

DRILLING DATE: 26-Mar-22 **TO:** 27-Mar-22
COORDINATES: 473203.8 E 5403616.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 278.2
TOTAL DEPTH (m): 26.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, No Recovery, Clay, Silt, Silty Sand, Well Graded Sand with Silt, Organic Soil

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
0			OH	ORGANIC SOIL (OH)
1			CL	LEAN CLAY (CL) - trace gravel, medium plasticity, very stiff, moist, brown (10YR 4/3)
2		167436		
3				NO RECOVERY
4		167437		
5				
6		167438		
7				LEAN CLAY (CL) - trace gravel, medium plasticity, soft, moist, gray (10YR 5/1)
8		167439		
9				
10				
11		167440	CL	
12				
13				
14				
15				
16		167441		LEAN CLAY (CL) - medium plasticity, very soft, moist to wet, gray (10YR 5/1)
17				
18				
19				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test — Pocket Pen UCS¹ (kPa)
28 / 16
34 / 17
72 / 30

SPT Blow Count — N Value²

PSD — Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)
28 — 2/12/42/43 — 17 — 32
27 — 2/13/41/44 — 18 — 34
35 — 0/1/48/51 — 21 — 36

Well Installation and Backfill Details
Stick-up (m): 1.2

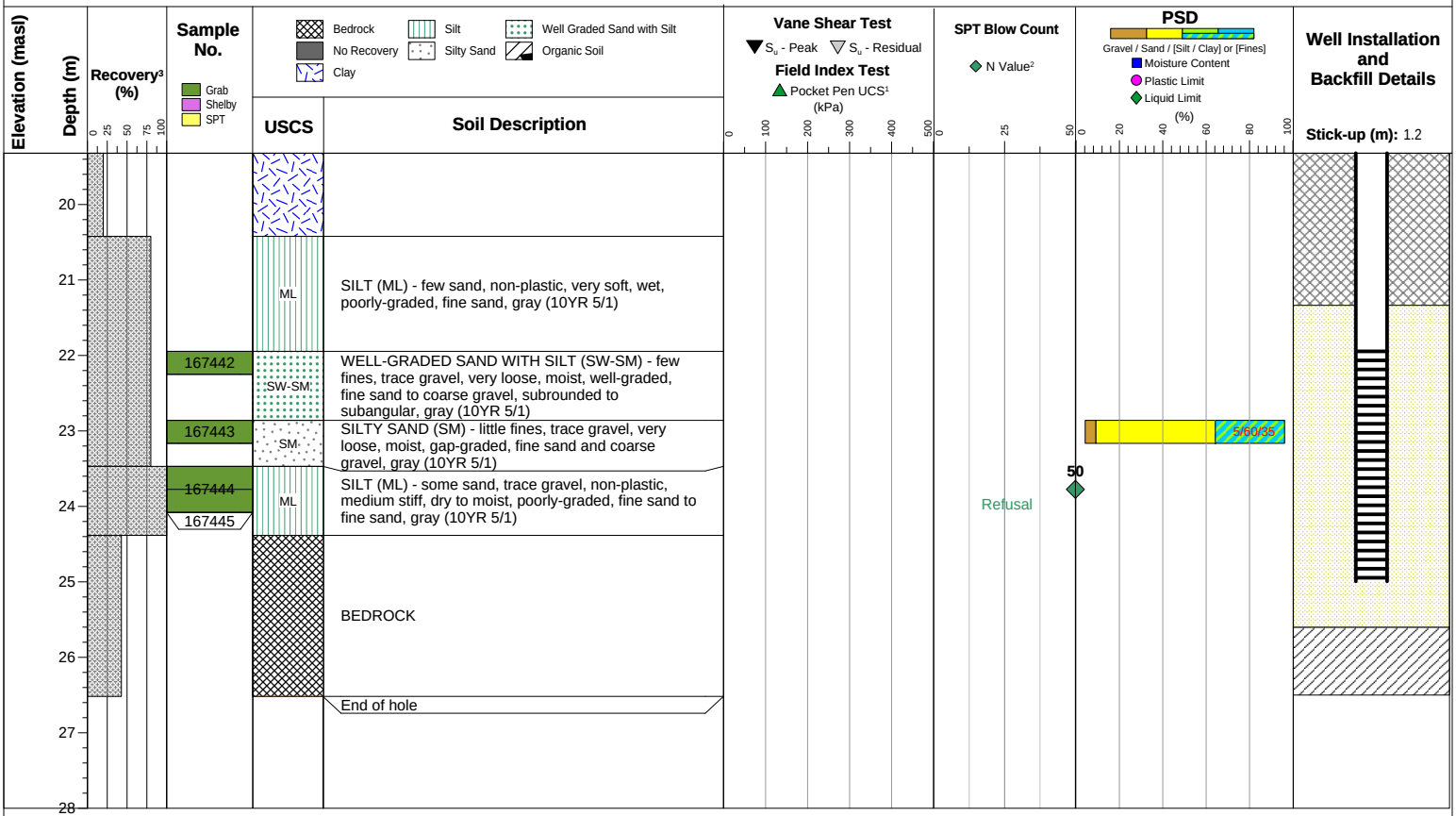
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

DRILLHOLE ID: SRK22-TSF-BH-30
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: kyle Scale/Dmitry Berdyugin

DRILLING DATE: 26-Mar-22 **TO:** 27-Mar-22
COORDINATES: 473203.8 E 5403616.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 278.2
TOTAL DEPTH (m): 26.5
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-31
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 19-Mar-22 **TO:** 21-Mar-22
COORDINATES: 476613.1 E 5403416.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 279.5
TOTAL DEPTH (m): 47.6
WATER LEVEL (mbgs): N/A

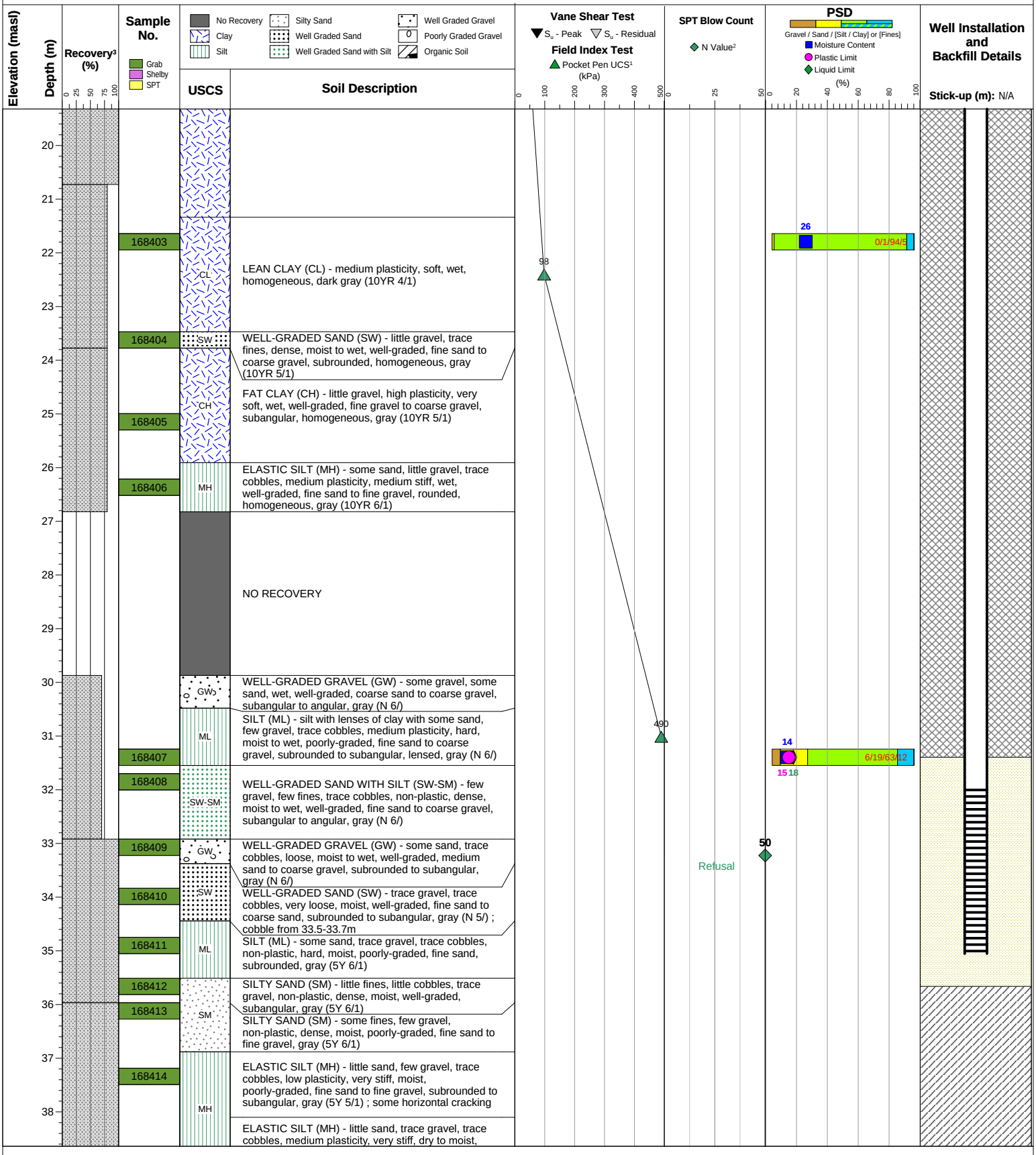
PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
279.5	0		167742	OH	ORGANIC SOIL (OH) - frozen organics mixed with clay
278.5	1		167743		FAT CLAY (CH) - trace sand, high plasticity, stiff, moist, very dark grayish brown (10YR 3/2), contains pockets of organics
278.0	1.5		167744		FAT CLAY (CH) - trace sand, trace gravel, high plasticity, medium stiff, moist, brown (10YR 5/3)
277.0	2.5			CH	FAT CLAY (CH) - trace sand, trace gravel, high plasticity, very stiff, moist, dark grayish brown (2.5Y 4/2)
275.5	4				FAT CLAY (CH) - trace sand, high plasticity, very soft, moist to wet, dark gray (10YR 4/1)
274.5	5				FAT CLAY (CH) - likely very soft dark gray clay
273.5	6		167745		
272.5	7				
271.5	8		167746	CL	LEAN CLAY (CL) - trace sand, trace gravel, medium to high plasticity, very soft, moist, dark gray (10YR 4/1)
270.5	9				
269.5	10		167747		
268.5	11				
267.5	12		167748		
266.5	13		167749		FAT CLAY (CH) - high plasticity, very soft, moist to wet, dark gray (10YR 4/1)
265.5	14		167750		
264.5	15				
263.5	16		168401		
262.5	17		168402	CH	FAT CLAY (CH) - lacustrine clay deposited with high plasticity, very soft, wet, stratified (10 mm), gray (10YR 6/1) ; Laminated
261.5	18				
260.5	19				

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)
SPT Blow Count: N Value²
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)
Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details: Sand, PVC, Screen, Chips, Bentonite



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

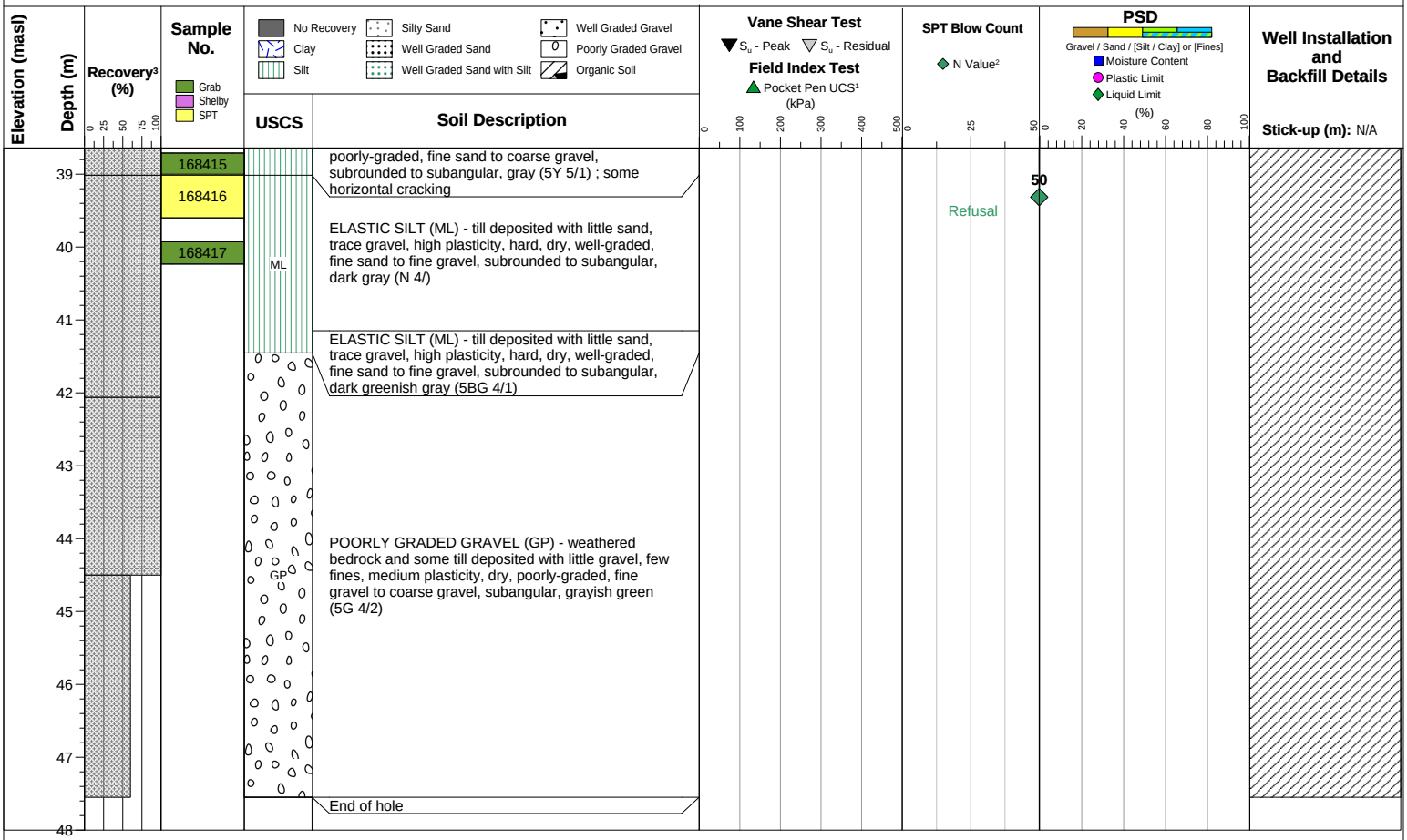
Well Installation Details
Sand | PVC | Screen | Chips | Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-31
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Andres R. Barrero

DRILLING DATE: 19-Mar-22 **TO:** 21-Mar-22
COORDINATES: 476613.1 E 5403416.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 279.5
TOTAL DEPTH (m): 47.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-32
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Kyle Scale/Dmitry Berdyugin

DRILLING DATE: 24-Mar-22 **TO:** 27-Mar-22
COORDINATES: 473323.3 E 5402577.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 287.7
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Poorly Graded Sand with Silt
Clay | Well Graded Sand with Silt | Organic Soil

Grab | Shelby | SPT

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
	0		167409	OH	ORGANIC SOIL (OH)
	1		167410	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, loose, moist, poorly-graded, fine sand to medium sand, brown (10YR 5/3)
	2		167411		LEAN CLAY (CL) - plasticidad media a alta, rígido, húmedo a mojado, gris (10YR 5/1)
	4		167412		
	7		167413		LEAN CLAY (CL) - medium to high plasticity, soft, moist, gray (10YR 5/1)
	10		167414	CL	
	16		167415		LEAN CLAY (CL) - trace gravel, medium to high plasticity, soft, moist, grayish brown (10YR 5/2)

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)

26 / 13 (7 m)
31 / 14 (8 m)
26 / 13 (10 m)

SPT Blow Count
N Value²

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

31 (8 m): 19 | 33 | 0/10/42/47
28 (11 m): 17 | 33 | 2/16/40/42

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-32
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Kyle Scale/Dmitry Berdyugin

DRILLING DATE: 24-Mar-22 **TO:** 27-Mar-22
COORDINATES: 473323.3 E 5402577.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 287.7
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silt; Well Graded Sand with Silt; Poorly Graded Sand with Silt; Organic Soil

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
	20				
	21				SILT (ML) - few sand, non-plastic, medium stiff, moist, poorly-graded, fine sand, gray (10YR 5/1)
	22				
	23		167416		
	24				
	25				
	26				
	27				SILT (ML)
	28				
	29				
	30			ML	
	31				
	32		167417		
	33				
	34				
	35				SILT (ML) - few sand, non-plastic, very soft, wet, poorly-graded, fine sand to fine sand, rapid dilatency, gray (10YR 5/1)
	36				
	37				
	38				

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0; 100; 200; 300; 400; 500

SPT Blow Count
N Value²
0; 25; 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0; 20; 40; 60; 80; 100

20
0/0/93/6

Well Installation and Backfill Details
Stick-up (m): N/A

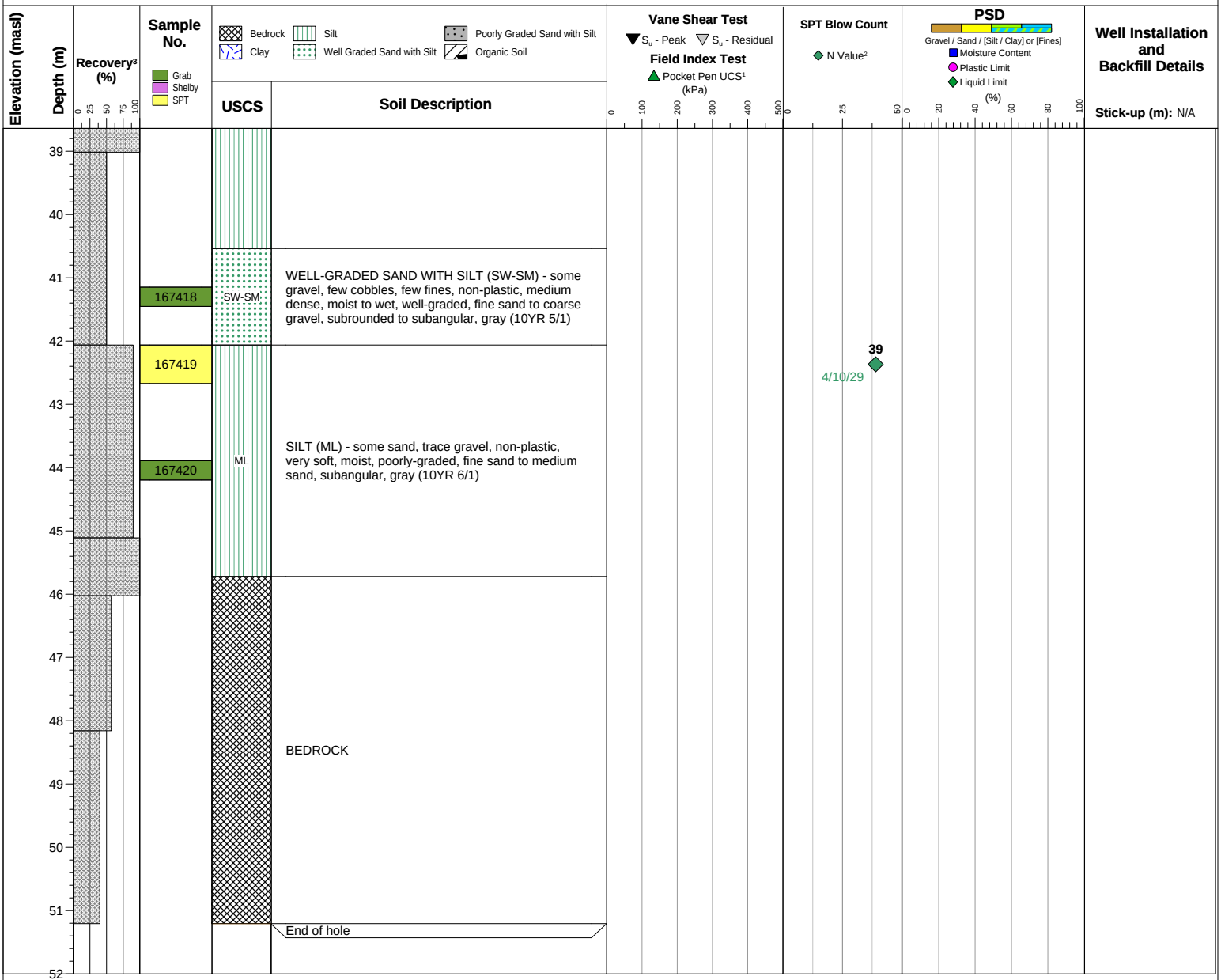
Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

DRILLHOLE ID: SRK22-TSF-BH-32
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Tess Jakubec/Kyle Scale/Dmitry Berdyugin

DRILLING DATE: 24-Mar-22 **TO:** 27-Mar-22
COORDINATES: 473323.3 E 5402577.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 287.7
TOTAL DEPTH (m): 51.2
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-34
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Dmitry Berdyugin

DRILLING DATE: 25-Mar-22 **TO:** 25-Mar-22
COORDINATES: 473367.3 E 5401917.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 282.9
TOTAL DEPTH (m): 24.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Poorly Graded Sand | Clay | Silty Sand

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
	0			SM	SILTY SAND (SM) - little fines, non-plastic, loose, moist, poorly-graded, fine sand to medium sand, dark yellowish brown (10YR 3/4)
	1			ML	SILT (ML) - some sand, non-plastic, soft, moist, poorly-graded, fine sand to fine sand, dark brown (10YR 3/3) ; contains organics
	2		167421		
	3			CL	LEAN CLAY (CL) - medium plasticity, stiff, moist, gray (10YR 5/1)
	5		167422		
	6				LEAN CLAY (CL) - medium to high plasticity, soft, moist, gray (10YR 5/1)
	7				
	8		167423		
	9				
	10				LEAN CLAY (CL) - trace gravel, medium to high plasticity, medium stiff, moist, gray (10YR 5/1)
	11		167424		
	12				
	13				
	14		167425		
	15			ML	SILT (ML) - trace sand, trace gravel, low plasticity, stiff, moist to wet, gray (10YR 5/1)
	16				
	17				
	18				
	19				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS¹ (kPa)
0 100 200 300 400 500

Vane Shear Test: 17 / 9; 30 / 14

SPT Blow Count
N Value²
0 25 50

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

PSD: 25 / 18 / 32 / 2/13/45/41; 20 / 18 21 / 0/0/92/8

Well Installation and Backfill Details
Stick-up (m): 1.0

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

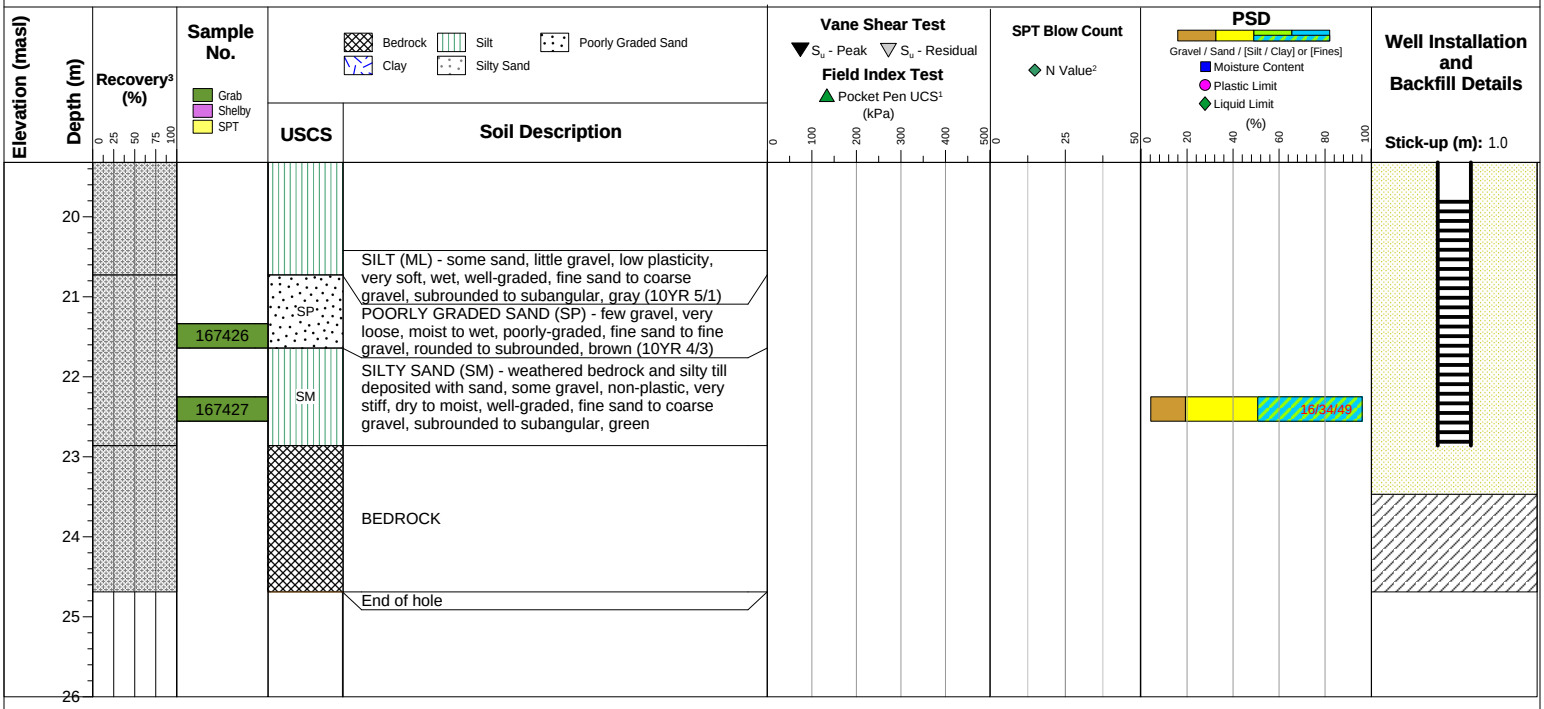
Well Installation Details
Sand | PVC | Screen | Chips | Bentonite

srk consulting

DRILLHOLE ID: SRK22-TSF-BH-34
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Kyle Scale/Dmitry Berdyugin

DRILLING DATE: 25-Mar-22 **TO:** 25-Mar-22
COORDINATES: 473367.3 E 5401917.2 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 282.9
TOTAL DEPTH (m): 24.7
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details
Sand, PVC, Screen, Chips, Bentonite

srk consulting

DRILLHOLE ID: SRK21-TSF2-BH-102
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 01-Dec-21 **TO:** 02-Dec-21
COORDINATES: 465911 E 5407223 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.0
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand with Silt

Vane Shear Test: S_u - Peak; S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery[3] (%)	Sample No.	USCS	Soil Description
274	0		167751	SW	WELL-GRADED SAND (SW) - little gravel, medium dense, dry to moist, well-graded, fine sand to coarse sand, subrounded to subangular, gray (10YR 5/1)
273	1			CL	LEAN CLAY (CL) - some sand, trace gravel, medium stiff, moist, poorly-graded, fine sand to medium sand, subrounded, medium plasticity, yellowish brown (10YR 5/6)
272	2		167752		
271	3		167753	SM	SILTY SAND (SM) - some fines, trace gravel, moist, subrounded to subangular, low plasticity, brown (10YR 5/3)
270	4		167754	CL	LEAN CLAY (CL) - few sand, soft, moist, medium plasticity, gray (10YR 5/1); pockets of organics mixed
269	5		167755		LEAN CLAY (CL) - few sand, soft, moist, medium plasticity, dark gray (10YR 4/1)
268	6		167756	SM	SILTY SAND (SM) - little fines, trace gravel, loose, moist to wet, well-graded, fine sand to medium sand, subrounded to subangular, low plasticity; pocket of organic, recovery was contaminated
			167757		
267	7		167758	CL	LEAN CLAY (CL) - little sand, soft, moist, medium plasticity, gray (10YR 5/1)
266	8				
265	9				
264	10				
263	11		167759		
262	12		167760		LEAN CLAY (CL) - little sand, trace gravel, very soft, moist, poorly-graded, high plasticity, gray (10YR 5/1)
			167761		
261	13				
260	14		167762	CL-ML	SILTY CLAY (CL-ML) - trace gravel, few sand, medium stiff, moist, medium plasticity, gray (10YR 5/1)
259	15		167763		
258	16				
257	17		167764	CL	LEAN CLAY (CL) - trace sand with few gravel, very soft, moist, high plasticity, gray (10YR 5/1)
256	18		167765		
255	19				

Vane Shear Test: 40 / 25; 33 / 16; 62 / 24

PSD: 20 (15, 28) 4/15/42/38; 29 (19, 36) 0/5/45/51; 11 (13, 17) 19/31/43/7

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

Elevation (masl)	Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description
	20		167766	CL	LEAN CLAY (CL) - little sand, trace gravel, trace cobbles, medium stiff, moist, poorly-graded, fine sand to coarse sand, subrounded to subangular, high plasticity, gray (10YR 5/1)
	21				
			167767		LEAN CLAY (CL) - some sand, few gravel, trace cobbles, soft, moist, well-graded, fine sand to coarse gravel, subangular to angular, high plasticity, gray (10YR 5/1)
	22				
	23				
			167768	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - few fines, trace gravel, trace cobbles, medium dense, moist, poorly-graded, fine sand to coarse gravel, subangular to angular, non-plastic
	24		167769		
	25				LEAN CLAY (CL) - little sand, stiff, moist, poorly-graded, low plasticity, very dark gray (10YR 3/1)
			167770		
	26				
	27				
			167771		LEAN CLAY (CL) - little fines, stiff, dry to moist, low plasticity, dark grayish brown (10YR 4/2)
	28				
	29				
			167772		LEAN CLAY (CL) - little sands, stiff, moist, low plasticity, gray (10YR 5/1)
	30				
	31		167773	CL	LEAN CLAY (CL) - some sands, medium dense, moist to wet, low plasticity, dark gray/brown (10YR 6/1)
	32		167774		LEAN CLAY (CL) - some sands, dense, moist, low plasticity, gray (10YR 6/1)
	33				
	34				LEAN CLAY (CL) - some sand, dense, dry to moist, low plasticity, gray (10YR 6/1)
			167775		
	35				
	36				
	37				LEAN CLAY (CL) - some sands, medium stiff, moist, medium plasticity, gray (10YR 5/1)
			167776		
	38				

Bedrock, Clay, Silty Clay, Silty Sand, Well Graded Sand, Poorly Graded Sand with Silt

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa) (0, 100, 200, 300, 400, 500)

SPT Blow Count: N Value² (0, 25, 50)
Refusal
50

PSD: Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%) (0, 20, 40, 60, 80, 100)

28
0/1/33/66
28 41

23
0/7/93
19 27

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

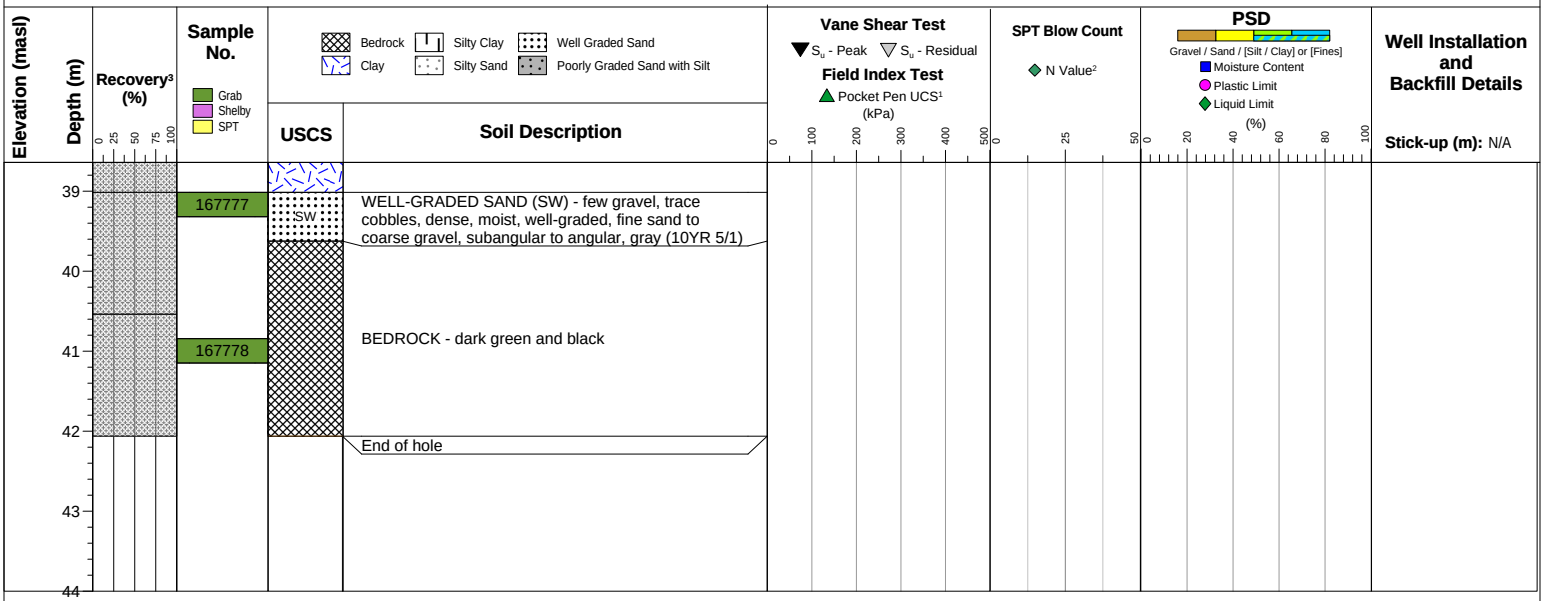
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF2-BH-102
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 01-Dec-21 **TO:** 02-Dec-21
COORDINATES: 465911 E 5407223 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.0
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF2-BH-103
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 28-Nov-21 **TO:** 30-Nov-21
COORDINATES: 468248.3 E 5408283.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.6
TOTAL DEPTH (m): 36.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl) / Depth (m)	Recovery³ (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
0		167523	SW	WELL-GRADED SAND (SW) - very loose, moist to wet, well-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1); no recovery from 5.0-5.5m				
1								
2		167524	CL-ML	SILTY CLAY (CL-ML) - very soft, moist to wet, medium plasticity, black (10YR 2/1) dark yellowish silty clay mixed with organics				
				SILTY CLAY (CL-ML) - clay with few sand, soft, moist, poorly-graded, fine sand to medium sand, subrounded, medium plasticity, light yellowish brown (10YR 6/4)				
3		167525		LEAN CLAY (CL) - trace sand, medium stiff, moist, medium plasticity, pale brown (10YR 6/3)				
4		167526	CL	LEAN CLAY (CL) - trace sand, very soft, moist, medium plasticity, gray (10YR 6/1)			25 1/14/39/46 17 34	
5					71 32			
6		167528	CL-ML	SILTY CLAY (CL-ML) - clay with little sand, trace gravel, very soft, moist to wet, poorly-graded, fine sand to fine gravel, subrounded, medium plasticity, gray (10YR 6/1), 5.0-5.5m could not be recovered				
		167527						
7				LEAN CLAY (CL) - trace sand, very soft, moist, medium plasticity, gray (10YR 5/1)	18 18			
		167529					26 2/14/39/45 16 33	
8		167530		LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, medium plasticity, gray (10YR 5/1)				
9		167531						
10		167532	CL	LEAN CLAY (CL) - trace sand, medium stiff, moist, medium plasticity, gray (10YR 5/1)			27 2/11/40/48 18 33	
11					62 30			
12								
13		167533						
14					70 45			
15		167534		LEAN CLAY (CL) - very soft, moist, medium plasticity, grayish brown (10YR 5/2)				
16		167535	CL-ML	SILTY CLAY (CL-ML) - trace gravel, very soft, moist, medium plasticity, gray (10YR 5/1)				
		167536						
		167537	ML	SILT (ML) - till deposited with few gravel, trace sand, soft, moist, non-plastic, gray (10YR 5/1)				
17			CL-ML	SILTY CLAY (CL-ML) - trace sand, trace gravel, very soft, moist to wet, medium plasticity, gray (10YR 5/1)				
18								
19			SM	SILTY SAND (SM) - some fines, trace gravel, very soft, moist, poorly-graded, fine sand to coarse gravel,				

Bedrock, Clay, Silty Clay, Silt, Silty Sand, Well Graded Sand, Poorly Graded Sand

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS¹ (kPa)

SPT Blow Count: N Value²

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

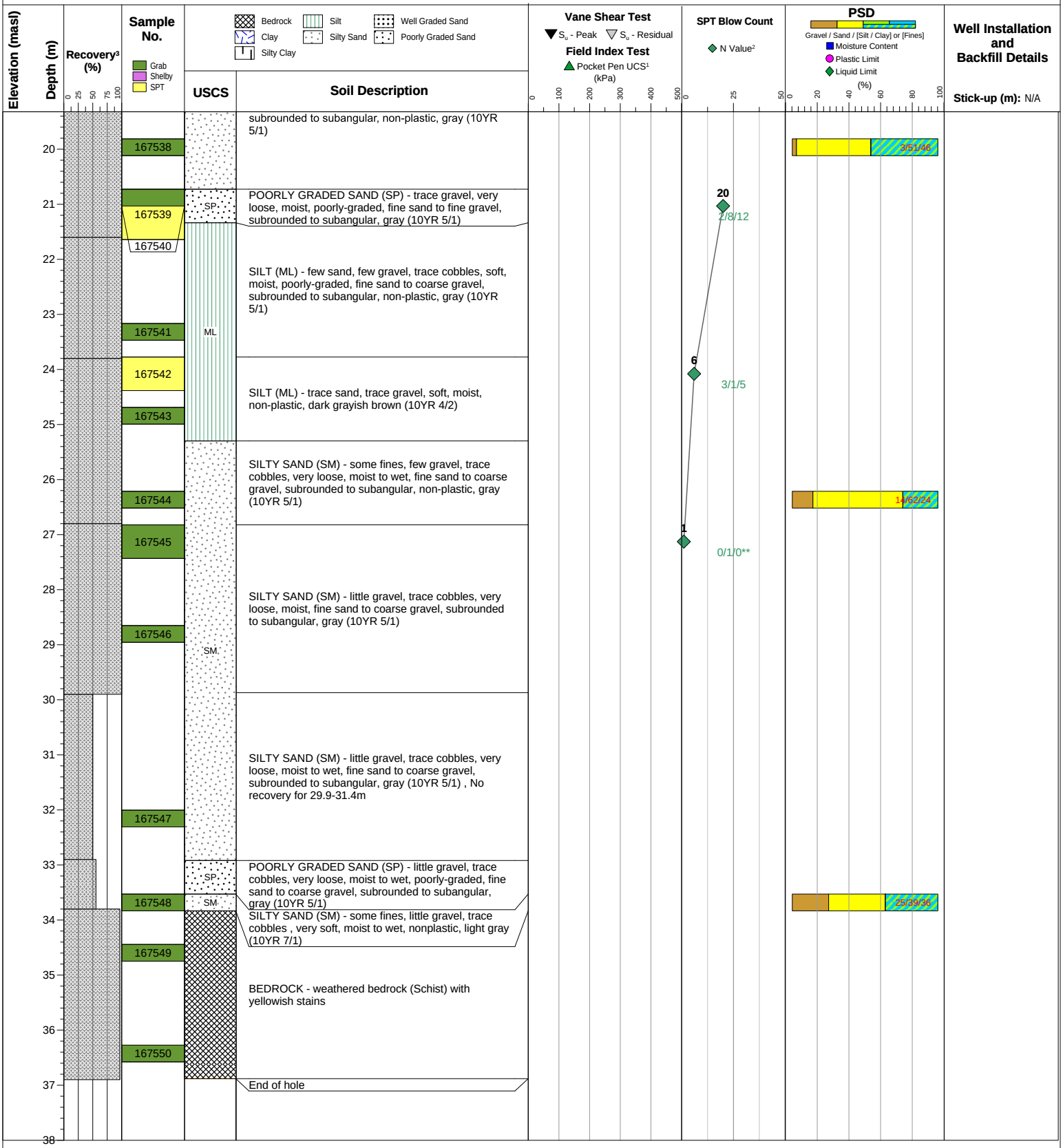
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-TSF2-BH-103
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 28-Nov-21 **TO:** 30-Nov-21
COORDINATES: 468248.3 E 5408283.9 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.6
TOTAL DEPTH (m): 36.6
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
3. Recovery percentages for TSF2-BH-103 are interpreted from drill core photos
** Rod sunk 45 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-WOS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 01-Mar-22 **TO:** 02-Mar-22
COORDINATES: 471913 E 5409079 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 267.87
TOTAL DEPTH (m): 36.9
WATER LEVEL (mbgs): 0.6 (measured on March 04, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Clay | Silty Sand | Bedrock
Silt | Well Graded Gravel

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
267	0–1			MH	ELASTIC SILT (MH) - organic soil with visible roots, moist, low plasticity, medium stiff, very dark brown (10YR 2/2); no recovery
266–263	2–5		167390	CL	LEAN CLAY (CL) - lacustrine clay deposited with moist, low plasticity, medium stiffness, light yellowish brown (10YR 6/4)
262–261	6–7		167391		
260–257	8–11		167392		LEAN CLAY (CL) - soft lacustrine clay deposited with high plasticity, moist, gray (10YR 5/1) ; Pocket penetrometer test varies from 49kPa to 98kPa
256–253	12–15		167393		
252–249	16–19		167394		
248	20				

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)

Vane Shear Test: 20, 8, 49, 98, 14, 42, 12, 53

SPT Blow Count
N Value[2]

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

PSD: 22, 14, 30, 3/15/44/38; 45; 39, 13, 34, 0/1/40/58

Well Installation and Backfill Details
Stick-up (m): 0.8

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

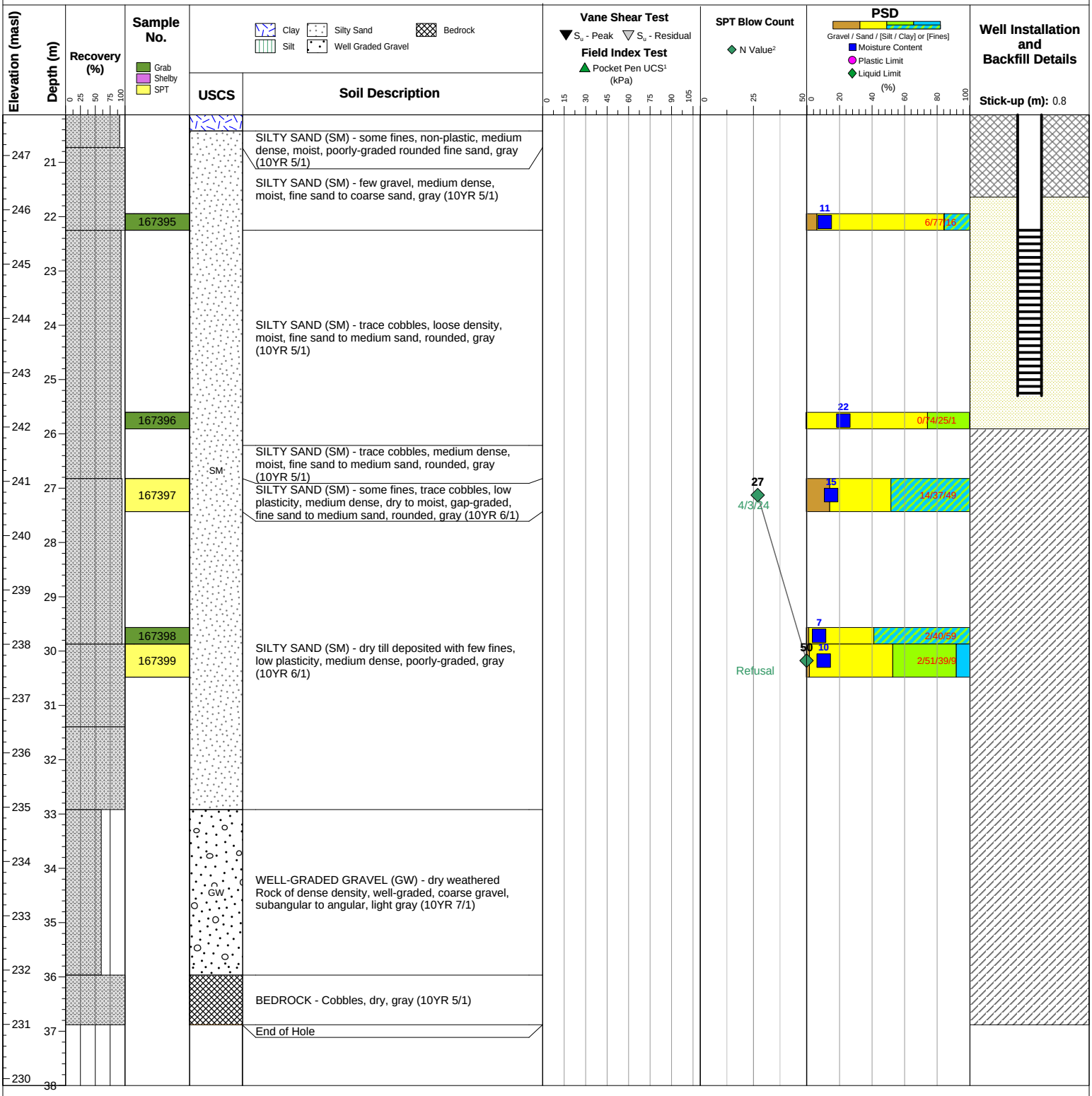
Well Installation Details
Sand | PVC | Chips | Screen
Bentonite

srk consulting

DRILLHOLE ID: SRK22-WOS-BH-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Erick Lino/Thomas McMann

DRILLING DATE: 01-Mar-22 **TO:** 02-Mar-22
COORDINATES: 471913 E 5409079 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 267.87
TOTAL DEPTH (m): 36.9
WATER LEVEL (mbgs): 0.6 (measured on March 04, 2022)

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50

Well Installation Details
Sand | PVC | Chips | Screen
Bentonite

srk consulting

DRILLHOLE ID: SRK21-WRD-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 09-Dec-21 **TO:** 09-Dec-21
COORDINATES: 472209 E 5415177 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 283.53
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Well Graded Gravel; Well Graded Sand with Silt; Poorly Graded Sand with Silt

Elevation (masl)	Depth (m)	Recovery (%)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
283	0		167811	SM	SILTY SAND (SM) - few gravel
	1				POORLY GRADED SAND WITH SILT (SP-SM) - few fines, loose, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, dark grayish brown (10YR 4/2)
282			167812		
	2				POORLY GRADED SAND WITH SILT (SP-SM) - few fines, medium dense, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, yellowish brown (10YR 5/4)
281			167813	SP-SM	
	3				
280					POORLY GRADED SAND WITH SILT (SP-SM) - few fines, medium dense, moist, poorly-graded, fine sand to medium sand, rounded to subrounded, non-plastic, gray (10YR 5/1)
	4				
279			167814		
	5				
278			167815	SP	POORLY GRADED SAND (SP) - some fines, loose, moist to wet, poorly-graded, fine sand to fine sand, rounded to subrounded, low plasticity, grayish brown (10YR 5/2)
	6		167816		
277					
	7				WELL-GRADED SAND (SW) - few gravel, trace cobbles, medium dense, dry to moist, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
276					
	8		167817		
275				SW	
	9				WELL-GRADED SAND (SW) - few gravel, trace fines, trace cobbles, medium dense, moist to wet, well-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
274					
	10		167818		
273					
	11				
272					
	12				POORLY GRADED SAND (SP) - loose, moist to wet, poorly-graded, fine sand to medium sand, rounded, gray (10YR 5/1)
			167819		
271	13			SP	
270					
	14				
269			167820		POORLY GRADED SAND (SP) - loose, moist, poorly-graded, fine sand, rounded, gray (10YR 5/1)
	15		167821		
268					
	16				SILTY SAND (SM) - little fines, medium dense, moist, poorly-graded, fine sand to fine sand, rounded to subrounded, low plasticity, gray (10YR 5/1)
267			167822	SM	
	17				
266					
	18		167823		
265					
	19				FAT CLAY (CH) - trace sand, very stiff, dry to moist, medium plasticity, gray (10YR 5/1) darker gray
264			167824		
	20				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test Pocket Pen UCS[1] (kPa)

SPT Blow Count N Value[2]

Depth (m)	N Value	Blows
5	18	5/5/13
15	36	4/10/26
18	38	13/16/22

PSD Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Depth (m)	Gravel	Sand	Silt / Clay	Fines
0	15	69	13	3

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

DRILLHOLE ID: SRK21-WRD-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 09-Dec-21 **TO:** 09-Dec-21
COORDINATES: 472209 E 5415177 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 283.53
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; Clay; Silty Sand; Well Graded Sand; Poorly Graded Sand; Well Graded Gravel; Well Graded Sand with Silt; Poorly Graded Sand with Silt

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
263	20			CH	
262	21		167825	CH	FAT CLAY (CH) - very stiff, dry to moist, high plasticity, very dark gray (10YR 3/1)
261	22			CH	
260	23		167826	CH	FAT CLAY (CH) - dense, very stiff, dry to moist, high plasticity, gray (10YR 5/1)
259	24			SW	
258	25		167827	SW	WELL-GRADED SAND (SW) - little fines, little gravel, medium dense, moist, well-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, gray (10YR 6/1)
257	26			SW	
256	27			SW-SM	
255	28		167828	SW-SM	WELL-GRADED SAND WITH SILT (SW-SM) - little gravel, few fines, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, angular, non-plastic, gray (10YR 6/1)
254	29			SW-SM	
253	30		167829	GW	WELL-GRADED GRAVEL (GW) - layer of rock
252	31		167830	SM	SILTY SAND (SM) - little fines, little gravel, trace cobbles, dense, moist, well-graded, fine sand to coarse gravel, subrounded to subangular, low plasticity, gray (10YR 6/1)
251	32			SM	
250	33			SW	
249	34			SW	
248	35		167831	SW	WELL-GRADED SAND (SW) - till deposited with some fines, some gravel, few cobbles, dense, moist, well-graded, fine sand to coarse gravel, subangular to angular, low plasticity, gray (10YR 5/1); solid rock chunks found between 36.0-37.5m
247	36			SW	
246	37			SW	
245	38		167832	SW	
244	39			SW	
	40				

Vane Shear Test
S_u - Peak; S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)

SPT Blow Count
N Value[2]

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

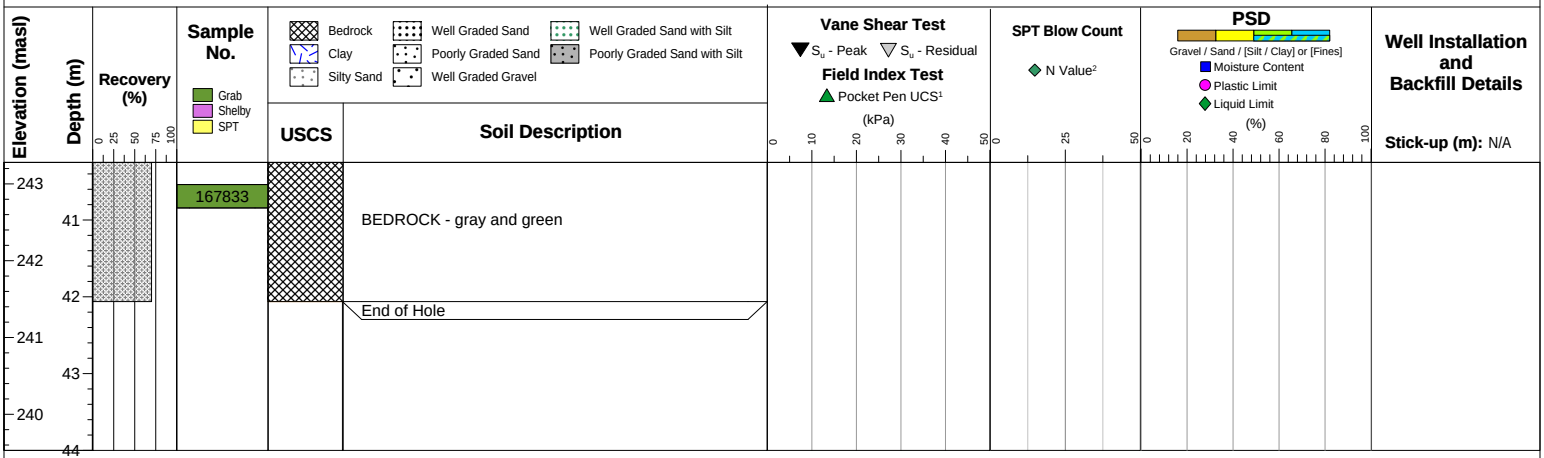
Well Installation Details

srk consulting

DRILLHOLE ID: SRK21-WRD-BH-06
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Thomas McMann

DRILLING DATE: 09-Dec-21 **TO:** 09-Dec-21
COORDINATES: 472209 E 5415177 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 283.53
TOTAL DEPTH (m): 42.1
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-WRD-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 17-Feb-22 **TO:** 18-Feb-22
COORDINATES: 471686 E 5412786 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.43
TOTAL DEPTH (m): 57.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Silt; Silty Sand; Poorly Graded Sand; Silty Clay; Poorly Graded Sand with Silt; Poorly Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
271	0			OH	ORGANIC SOIL (OH)
270	1		167337	ML	SILT (ML) - little sand, few gravel, non-plastic, very stiff, moist, gap-graded, fine sand and fine gravel, rounded, brown (10YR 5/3)
269	2		167338		SILT (ML) - little sand, few gravel, non-plastic, very stiff, moist, gap-graded, fine sand and fine gravel, rounded, dark gray (10YR 4/1)
268	3		167339		SILT (ML) - little sand, few gravel, non-plastic, very stiff, moist, gap-graded, fine sand and fine gravel, rounded, brown (10YR 5/3); gradual transition to clay
267	4		167340	CL-ML	SILTY CLAY (CL-ML) - few sand, trace gravel, medium plasticity, medium stiff, moist, well-graded, fine sand to fine gravel, rounded, dark gray (10YR 4/1)
266	5		167341		
265	6		167342	SM	SILTY SAND (SM) - some fines, little gravel, non-plastic, very dense, dry to moist, gap-graded, fine sand and coarse gravel, rounded, gray (10YR 5/1)
264	7		167344		
263	8				
262	9		167345		
261	10		167346	CL-ML	SILTY CLAY (CL-ML) - little sand, low plasticity, medium stiff, moist to wet, gap-graded, fine sand and coarse sand, rounded to subrounded, gray (10YR 5/1)
260	11		167347		
259	12		167348	GP / CL-ML	POORLY GRADED GRAVEL (GP) - poorly-graded, coarse gravel to coarse gravel, rounded; 75 mm rock at depth of the eVST
258	13			SM	SILTY CLAY (CL-ML) - some sand, few gravel, low plasticity, medium stiff, moist to wet, gap-graded, fine sand and fine gravel, rounded to subrounded, gray (10YR 5/1)
257	14		167349		SILTY SAND (SM) - till deposited with some fines, few gravel, non-plastic, dense, dry to moist, gap-graded, fine sand and fine gravel, rounded to subrounded, gray (10YR 5/1)
256	15				
255	16				
254	17				
253	18				
252	19				NO RECOVERY - possibly very wet silty sand
	20				

SPT Blow Count: 20 (21/20/-*)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-WRD-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 17-Feb-22 **TO:** 18-Feb-22
COORDINATES: 471686 E 5412786 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.43
TOTAL DEPTH (m): 57.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Silt; Silty Sand; Poorly Graded Sand; Silty Clay; Poorly Graded Sand with Silt; Poorly Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
271.43 – 247.43	0 – 24	100		Bedrock	
247.43 – 245.43	24 – 26	100	167350	SM	SILTY SAND (SM) - little fines, trace gravel, non-plastic, loose, moist to wet, gap-graded, fine sand and fine gravel, rounded to subrounded, gray (10YR 5/1)
245.43 – 244.43	26 – 27	100		ML	SILT (ML) - silt with few sand, few gravel, trace cobbles, non-plastic, medium stiff, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
244.43 – 242.43	27 – 29	100	167101	SP	POORLY GRADED SAND (SP) - trace fines, trace gravel, medium dense, moist to wet, poorly-graded, fine sand to coarse gravel, gray (10YR 5/1)
242.43 – 241.43	29 – 30	100	167102	SP	POORLY GRADED SAND (SP) - trace fines, trace gravel, trace cobbles, medium dense, moist, poorly-graded, fine sand to coarse gravel, subrounded to subangular, gray (10YR 5/1)
241.43 – 239.43	30 – 32	100	167103	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - silty sand with few fines, trace gravel, trace cobbles, low plasticity, medium dense, moist, poorly-graded, fine sand to coarse gravel, subrounded, dark gray (10YR 4/1)
239.43 – 238.43	32 – 33	100	167104	SP-SM	
238.43 – 236.43	33 – 35	100	167105	CL-ML	SILTY CLAY (CL-ML) - silty clay with medium plasticity, very stiff, moist, dark gray (10YR 4/1)
236.43 – 233.43	35 – 38	100	167106	CL-ML	
233.43 – 231.43	38 – 40	100		MH	ELASTIC SILT (MH) - silty till deposited with trace sand, few gravel, low plasticity, soft, moist, fine sand to coarse gravel, subrounded to subangular, dark

SPT Blow Count: 20 (7/7/13); 4 (1/2/2)

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

DRILLHOLE ID: SRK22-WRD-BH-07
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Kisa Elmer

DRILLING DATE: 17-Feb-22 **TO:** 18-Feb-22
COORDINATES: 471686 E 5412786 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 271.43
TOTAL DEPTH (m): 57.0
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock; No Recovery; Silt; Silty Sand; Poorly Graded Sand; Silty Clay; Poorly Graded Sand with Silt; Poorly Graded Gravel; Organic Soil

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)
SPT Blow Count: N Value[2]
PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
231	41		167107	MH	gray (10YR 4/1)
230	42		167108	MH	ELASTIC SILT (MH) - silty till deposited with trace sand, trace gravel, low plasticity, stiff, moist, dark gray (10YR 4/1)
229	43			SM	SILTY SAND (SM) - some fines, non-plastic, loose, wet, poorly-graded, fine sand, rounded to subrounded, rapid dilatency, gray (10YR 5/1)
228	44		167109	SM	
227	45			ML	SILT (ML) - till deposited with little sand, few gravel, trace cobbles, black (10YR 2/1)
226	46		167110	ML	
225	47			ML	
224	48			SM	SILTY SAND (SM) - silty sand, wet, gray
223	49		167111	ML	SILT (ML) - till deposited with some sand, few gravel, trace cobbles, non-plastic, very stiff, dry to moist, gap-graded, fine sand and coarse gravel, subrounded, black (10YR 2/1)
222	50			ML	
221	51		167112	BEDROCK	BEDROCK- weathered
220	52			BEDROCK	
219	53			BEDROCK	
218	54		167113	BEDROCK	
217	55			BEDROCK	
216	56			BEDROCK	
215	57			BEDROCK	End of Hole
214	58				
213	59				
212	60				

Well Installation and Backfill Details

Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-WRD-BH-16
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 07-Jan-22 **TO:** 08-Jan-22
COORDINATES: 474459.9 E 5410758.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.79
TOTAL DEPTH (m): 22.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Silty Sand | Clay

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
274	0–1		167975	ML	SILT (ML) - very soft, wet, non-plastic, black (10YR 2/1) organics
273	1–2		167976	CH	FAT CLAY (CH) - very soft, wet, high plasticity, gray (10YR 6/1)
272	2–3		167977	ML	SILT (ML) - very soft, moist to wet, non-plastic, very dark brown (10YR 2/2) organics
271	3–4		167978	CH	FAT CLAY (CH) - trace gravel, very soft, moist to wet, high plasticity, gray (10YR 5/1)
269	5–6		167979	CH	FAT CLAY (CH) - trace gravel, very soft, moist, high plasticity, gray (10YR 5/1)
265	9–10		167980	CH	
264	10–11		167981	CH	
262	12–13		167982	CH	FAT CLAY (CH) - very soft, moist, high plasticity, gray (10YR 5/1)
260	14–15		167983	CH	FAT CLAY (CH) - very soft, moist, high plasticity, gray (10YR 6/1)
257	17–18		167984	CL	LEAN CLAY (CL) - very soft, moist, high plasticity, gray (10YR 6/1)
			167985		
256	18–19		167986	SM	SILTY SAND (SM) - few sand, trace gravel, trace cobbles, very soft, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, non-plastic, gray (10YR 6/1)

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test Pocket Pen UCS[1] (kPa)
Values: 14, 36, 13, 42

SPT Blow Count N Value[2]

PSD Gravel / Sand / [Silt / Clay] or [Fines] (%)
Moisture Content, Plastic Limit, Liquid Limit
20 / 13 / 28 / 3/16/52/29
15 / 23 / 54 / 0/4/17/79
55 / 23 / 54 / 0/0/35/65
28 / 19 / 31 / 0/9/60/31

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-WRD-BH-16
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh

DRILLING DATE: 07-Jan-22 **TO:** 08-Jan-22
COORDINATES: 474459.9 E 5410758.1 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 274.79
TOTAL DEPTH (m): 22.9
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description	Vane Shear Test / Field Index Test	SPT Blow Count	PSD	Well Installation and Backfill Details
254	21		167987		BEDROCK - with greenish stains				Stick-up (m): N/A
253	22		167988						
252	23				End of Hole				
251	24								

Bedrock, Silt, Silty Sand, Clay

Sample No.: Grab, Shelby, SPT

Vane Shear Test: S_u - Peak, S_u - Residual
Field Index Test: Pocket Pen UCS[1] (kPa)

SPT Blow Count: N Value[2]

PSD: Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

DRILLHOLE ID: SRK22-WRD-BH-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 19-Feb-22 **TO:** 19-Feb-22
COORDINATES: 471452.7 E 5413770.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.48
TOTAL DEPTH (m): 46.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock | Silt | Poorly Graded Sand
Clay | Well Graded Sand

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
272	0				
	1		167114	ML	SILT (ML) - non-plastic, very soft, moist to wet, black (10YR 2/1) organics
271	2				
270	3			CH	FAT CLAY (CH) - high plasticity, very soft, moist, gray (10YR 5/1)
269	4		167115		
268			167116		FAT CLAY (CH) - trace gravel, high plasticity, soft, moist, gray (10YR 5/1)
	5		167117	SW	WELL-GRADED SAND (SW) - sandy gravel with little gravel, trace cobbles, medium dense, moist, well-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
267	6				
266	7				
265			167118		
	8				
264			167119		
	9				
263					
	10				
262			167120		
	11				SILT (ML) - silty till deposited with trace sand, few gravel, non-plastic, very stiff, moist, poorly-graded, fine sand to fine gravel, subrounded to subangular, gray (10YR 5/1)
261	12				
260					
	13		167121		
259					
	14				
258					
	15				
257					
	16		167122		SILT (ML) - some sand, trace gravel, non-plastic, medium stiff, moist, poorly-graded, fine sand to coarse sand, rounded to subrounded, gray (10YR 5/1)
256					
	17				
255					
	18				
254					
	19				
253			167123		
	20				SILT (ML) - some sand, trace gravel, non-plastic, medium stiff, moist, poorly-graded, fine sand to

Vane Shear Test
S_u - Peak ▽ S_u - Residual
Field Index Test
Pocket Pen UCS[1]
(kPa)
0 10 20 30 40 50

SPT Blow Count
N Value[2]
0 25 50
20/21/22
43

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

DRILLHOLE ID: SRK22-WRD-BH-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 19-Feb-22 **TO:** 19-Feb-22
COORDINATES: 471452.7 E 5413770.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.48
TOTAL DEPTH (m): 46.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Well Graded Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery (%)	Sample No.	USCS	Soil Description
252	20			ML	coarse sand, gray (10YR 5/1)
251	21		167124		
250	22				SILT (ML) - stiff silt with trace sand, non-plastic, very stiff, dry to moist, dark gray (10YR 4/1)
249	23		167125		
248	24		167126		SILT (ML) - trace sand, non-plastic, medium stiff, dry to moist, very dark grayish brown (10YR 3/2)
247	25				SILT (ML) - stiff silt with trace sand, non-plastic, very stiff, dry to moist, gray (10YR 5/1)
246	26				
245	27				
244	28		167127		SILT (ML) - silty clay with little sand, low plasticity, very stiff, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, gray (10YR 5/1)
243	29				
242	30				
241	31		167128		SILT (ML) - silty clay with trace sand, non-plastic, stiff, moist, gray (10YR 5/1)
240	32				
239	33				SILT (ML) - some sand, little gravel, trace cobbles, non-plastic, stiff, moist, well-graded, fine sand to coarse gravel, rounded to subrounded, gray (10YR 5/1)
238	34				
237	35		167129		SILT (ML) - till deposited with few gravel, few cobbles, trace sand, non-plastic, very stiff, dry to moist, well-graded, fine sand to coarse gravel, dark gray (10YR 4/1)
236	36				
235	37			SW	WELL-GRADED SAND (SW) - trace fines, medium dense, moist, well-graded, fine sand to coarse sand, subrounded, gray (10YR 5/1)
234	38		167130		
233	39			SP	POORLY GRADED SAND (SP) - trace fines, dense, dry to moist, poorly-graded, fine sand to medium sand, rounded to subrounded, gray (10YR 5/1)
232	40		167131	SW	WELL-GRADED SAND (SW) - few gravel, medium dense, moist, well-graded, fine sand to coarse gravel,

Vane Shear Test
S_u - Peak, S_u - Residual
Field Index Test
Pocket Pen UCS[1] (kPa)
0 10 20 30 40 50

SPT Blow Count
N Value[2]
0 25 50
50
Refusal

PSD
Gravel / Sand / [Silt / Clay] or [Fines]
Moisture Content
Plastic Limit
Liquid Limit
(%)
0 20 40 60 80 100

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

Well Installation Details

srk consulting

DRILLHOLE ID: SRK22-WRD-BH-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: Sonic Drill Model SDC 550-24
HOLE SIZE (m): 0.1016
CONTRACTOR: Choice Sonic
LOGGED BY: Matthew Armoh/Thomas McMann

DRILLING DATE: 19-Feb-22 **TO:** 19-Feb-22
COORDINATES: 471452.7 E 5413770.5 N
DATUM: NAD83 UTM Zone 17N
GROUND EL (masl): 272.48
TOTAL DEPTH (m): 46.3
WATER LEVEL (mbgs): N/A

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Bedrock, Clay, Silt, Well Graded Sand, Poorly Graded Sand

Elevation (masl)	Depth (m)	Recovery (%)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
232	41				gray (10YR 5/1) ; sand, bedrock at 41.1m
231	42				BEDROCK - crushed bedrock powder, run was done dry
230	43				
229	44				
228	45				BEDROCK - weathered rock
227	46				
226	47				End of Hole
225	48				

Vane Shear Test (S_u - Peak, S_u - Residual)
Field Index Test Pocket Pen UCS[1] (kPa)
SPT Blow Count N Value[2]
PSD Gravel / Sand / [Silt / Clay] or [Fines]; Moisture Content; Plastic Limit; Liquid Limit (%)

Well Installation and Backfill Details
Stick-up (m): N/A

Notes:
1. Average pocket pen ucs value shown in the centroid of the drilled segment
2. N-values of 50 are considered refusal and represent a blow count equal or higher than 50
* N-value calculated using the number of blows penetrating 30 cm

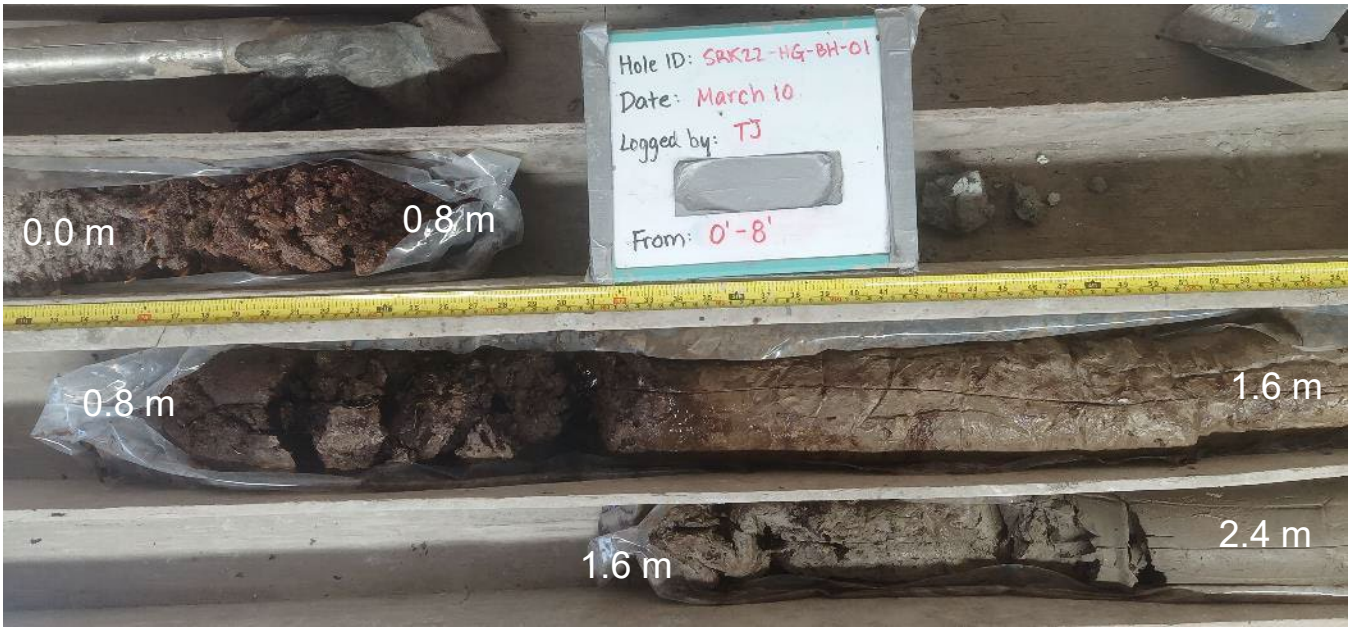
Well Installation Details

Appendix B Core Photos

HG-BH01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report		
Job No: CAPR000801		Date: January, 2023	Approved: ARB	Sheet:

Borehole ID: SRK22-HG-BH-01
Location: Hydrogeology



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK22-HG-BH-01
Location: Hydrogeology



Depth (m): 5.5 – 8.5



Depth (m): 8.5 -11.6

Borehole ID: SRK22-HG-BH-01
Location: Hydrogeology



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-HG-BH-01
Location: Hydrogeology



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.7

Borehole ID: SRK22-HG-BH-01
Location: Hydrogeology



Depth (m): 23.7 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-HG-BH-01
Location: Hydrogeology

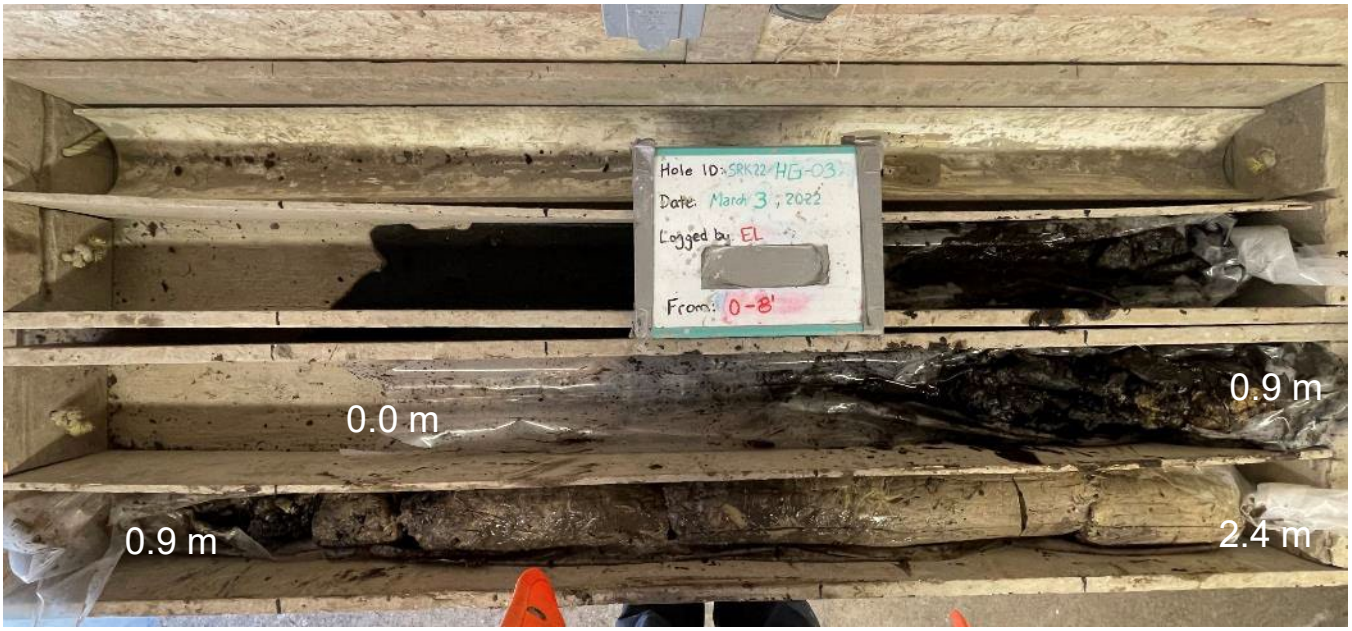


Depth (m): 29.9 – 30.2

HG-BH-03

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report		
Job No: CAPR000801		Date: January, 2023	Approved: ARB	Sheet:

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 8.5

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 8.5 – 11.6



Depth (m): 11.6 – 14.6

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 14.6 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 23.8 – 24.7



Depth (m): 24.7 – 26.8

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 26.8 – 30.5



Depth (m): 30.5 – 32.9

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 32.9 – 36.0



Depth (m): 36.0 – 38.4

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 38.4 – 41.5



Depth (m): 41.5 – 44.2

Borehole ID: SRK22-HG-BH-03
Location: Hydrogeology



Depth (m): 44.2 – 47.5

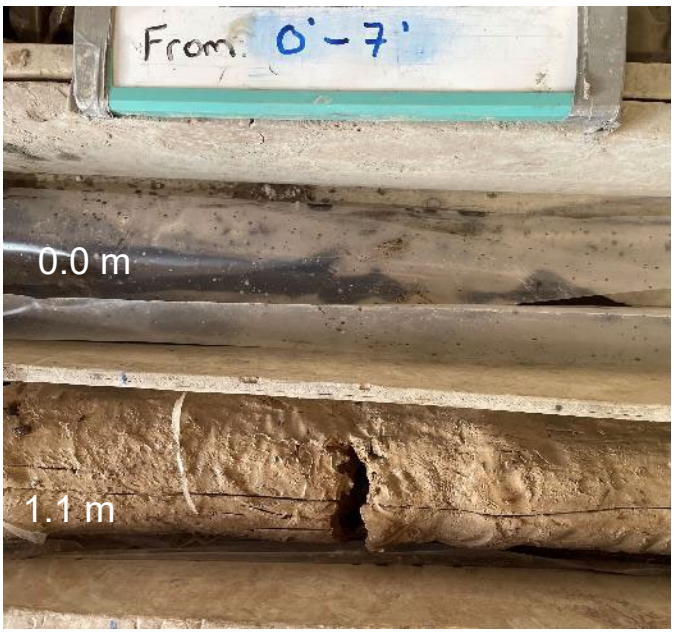


Depth (m): 47.5 – 50.9

LG-BH-01

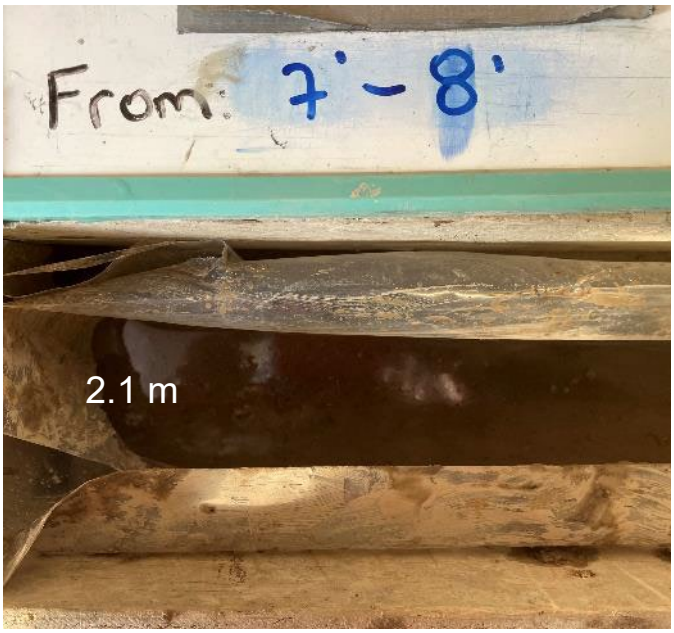
srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

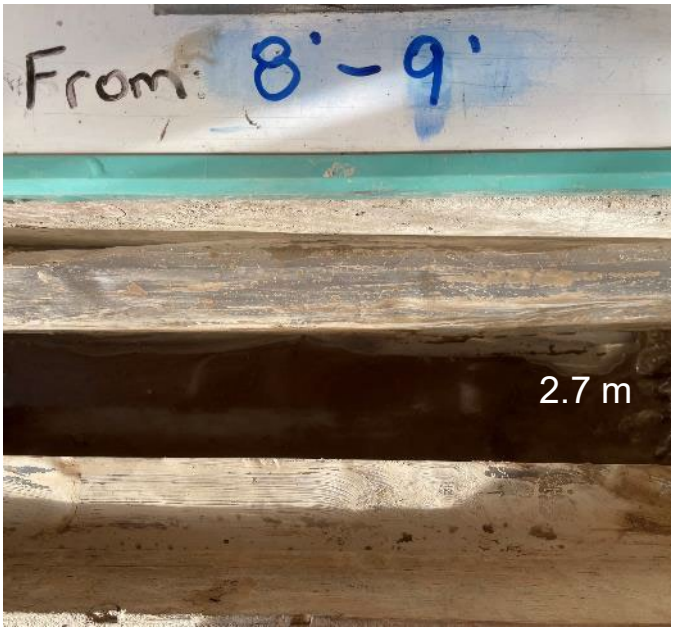
Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 0.0 – 2.1





Depth (m): 2.1 – 2.7

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





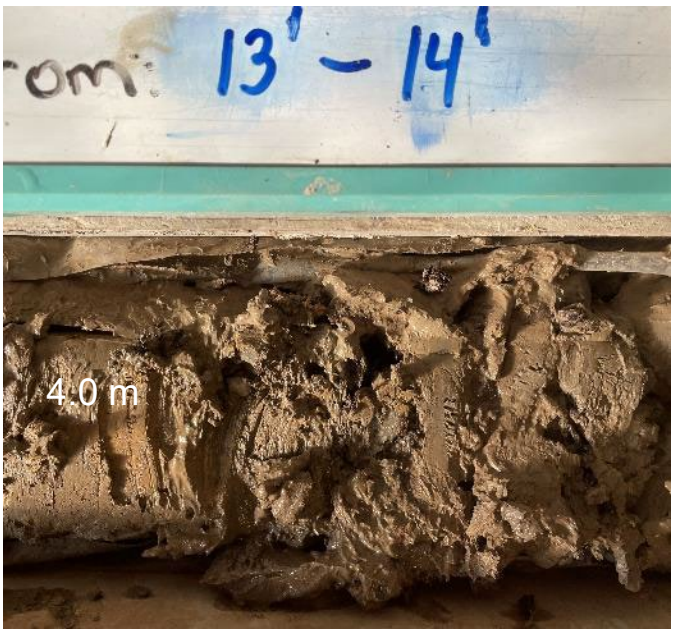
Depth (m): 2.7 – 3.4





Depth (m): 3.4 – 4.0

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





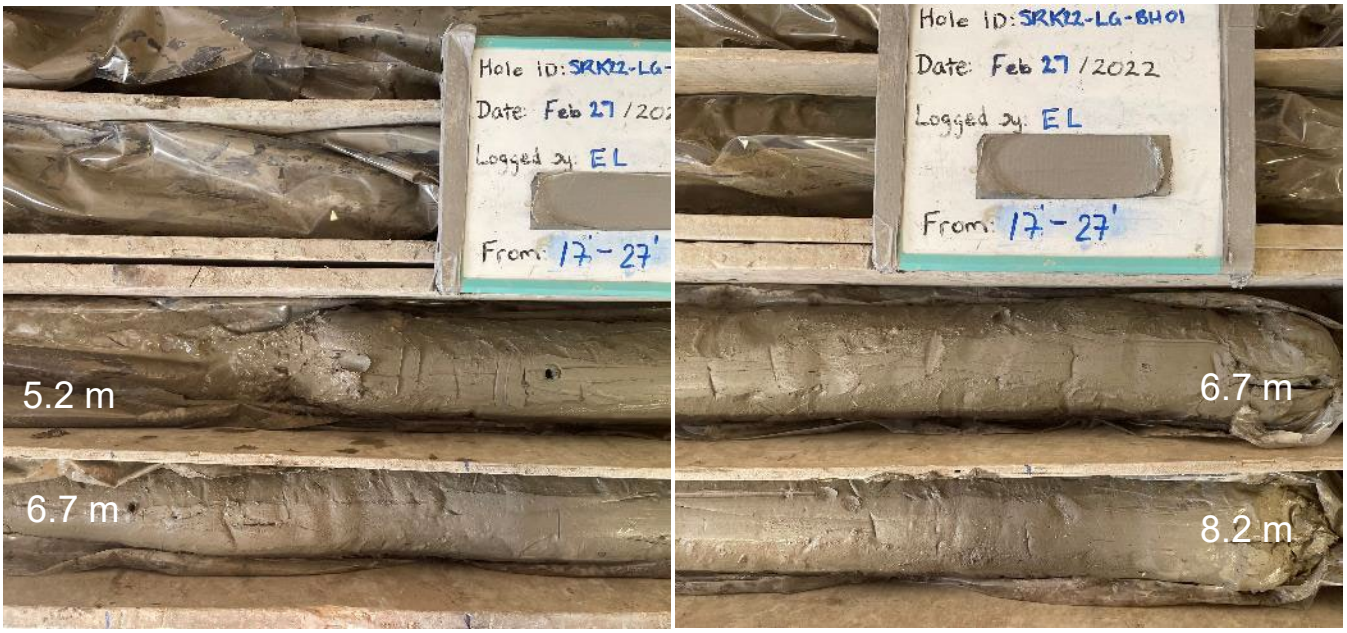
Depth (m): 4.0 – 4.6



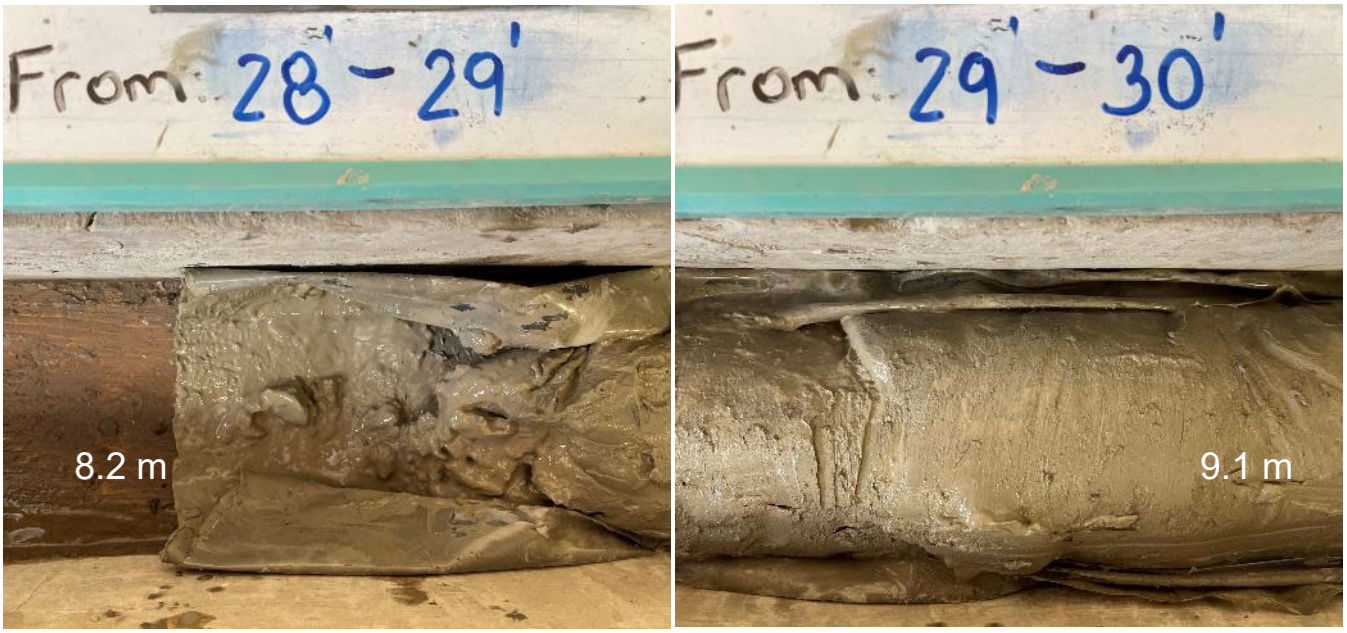


Depth (m): 4.6 – 5.2

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile

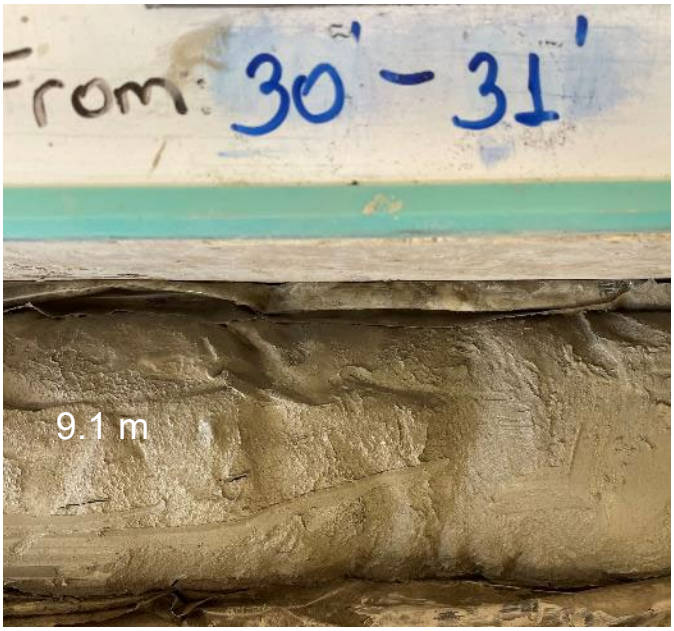


Depth (m): 5.2 – 8.2



Depth (m): 8.2 – 9.1

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 9.1 – 9.8

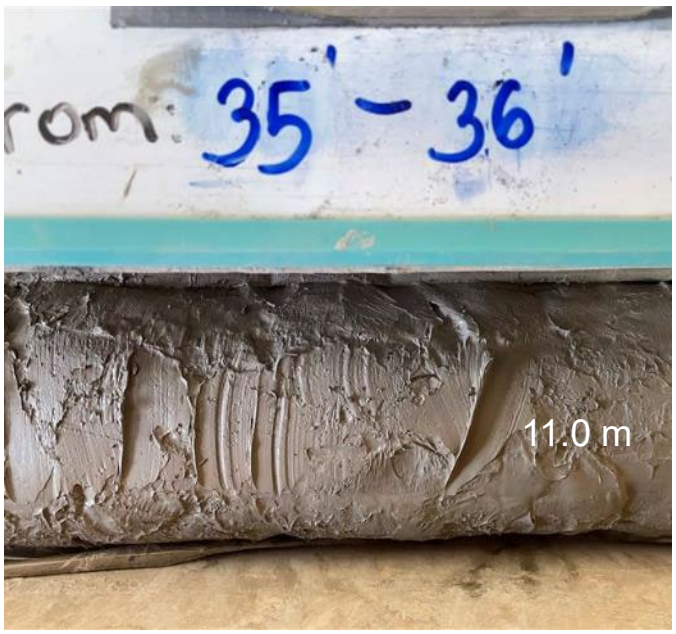




Depth (m): 9.8 – 10.4

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 10.4 – 11.0





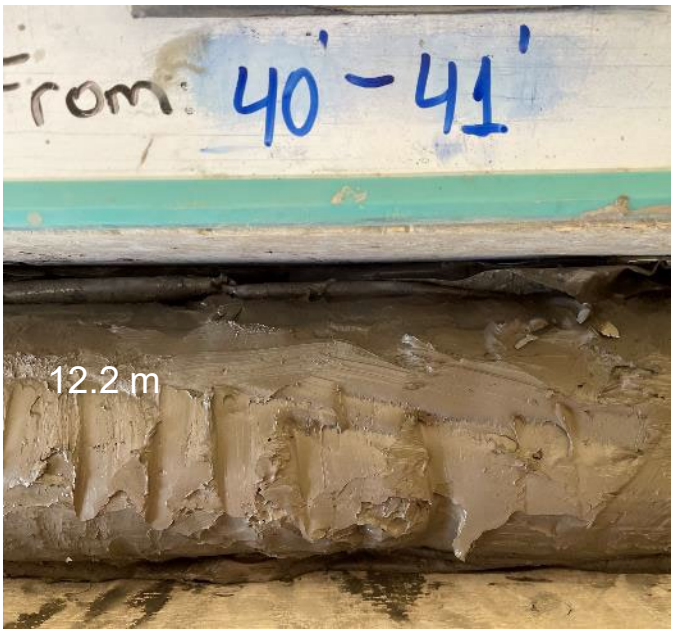
Depth (m): 11.0 – 11.6

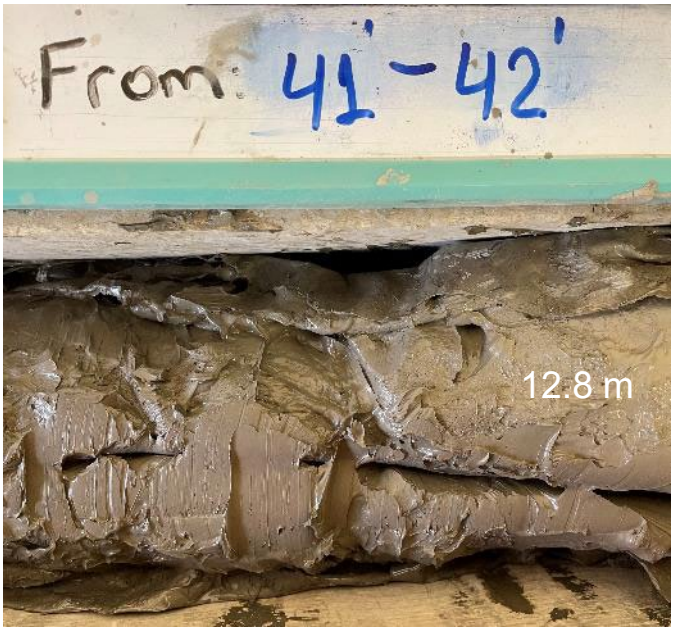
Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 11.6 – 12.2





Depth (m): 12.2 – 12.8

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 12.8 – 15.8





Depth (m): 15.8 – 16.5

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





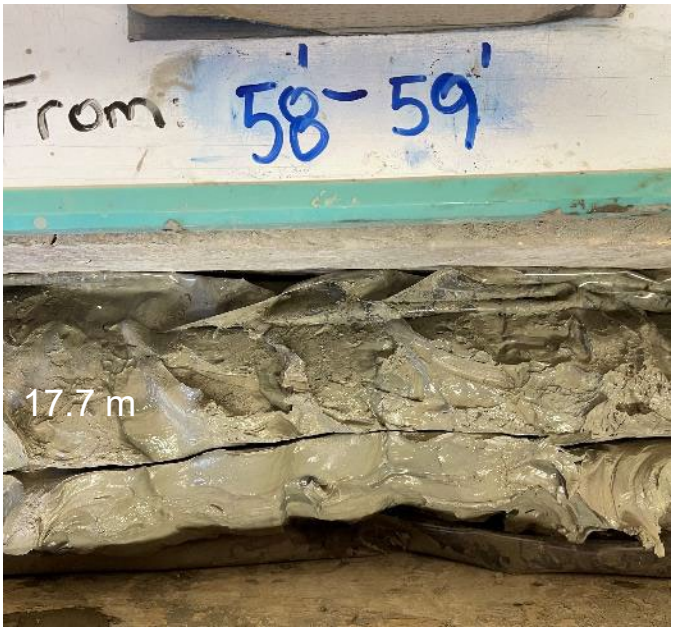
Depth (m): 16.5 – 17.1





Depth (m): 17.1 – 17.7

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 17.7 – 18.3

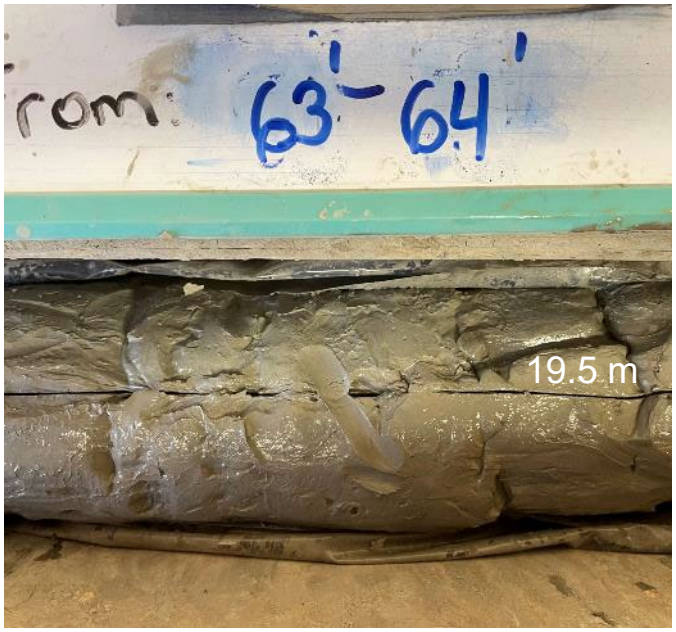




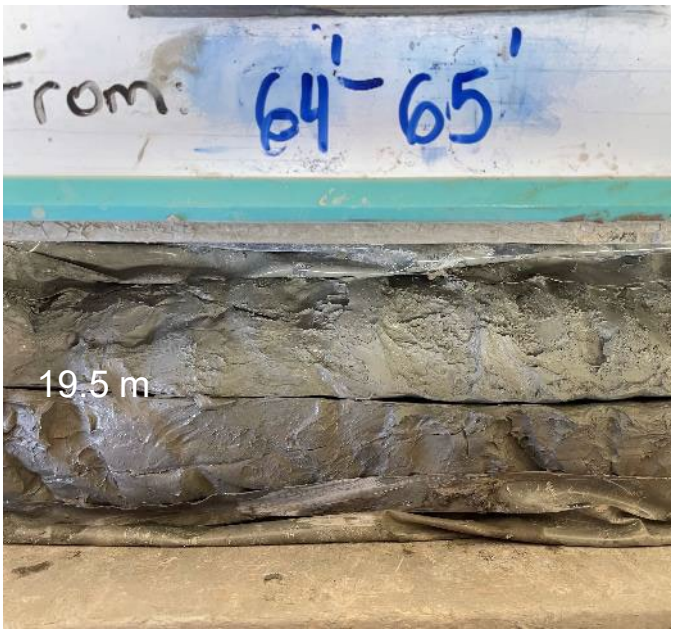
Depth (m): 18.3 – 18.9

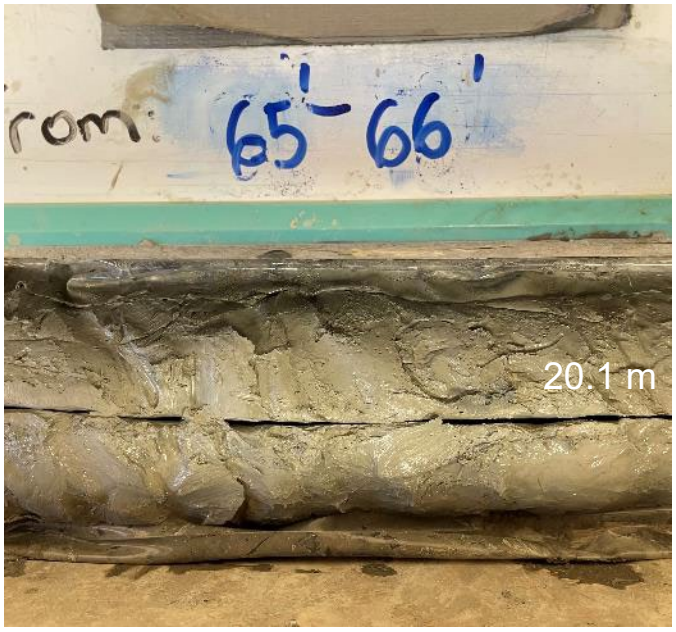
Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 18.9 – 19.5





Depth (m): 19.5 – 20.1

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile



Depth (m): 20.1 – 20.4



Depth (m): 20.4 – 23.8

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile



Depth (m): 29.9 – 32.9

No Recovery

Depth (m): 32.9 – 34.4

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile





Depth (m): 34.4 – 35.1





Depth (m): 35.1 – 35.7

Borehole ID: SRK22-LG-BH-01
Location: Lower Grade Stockpile



Depth (m): 35.7 – 38.7

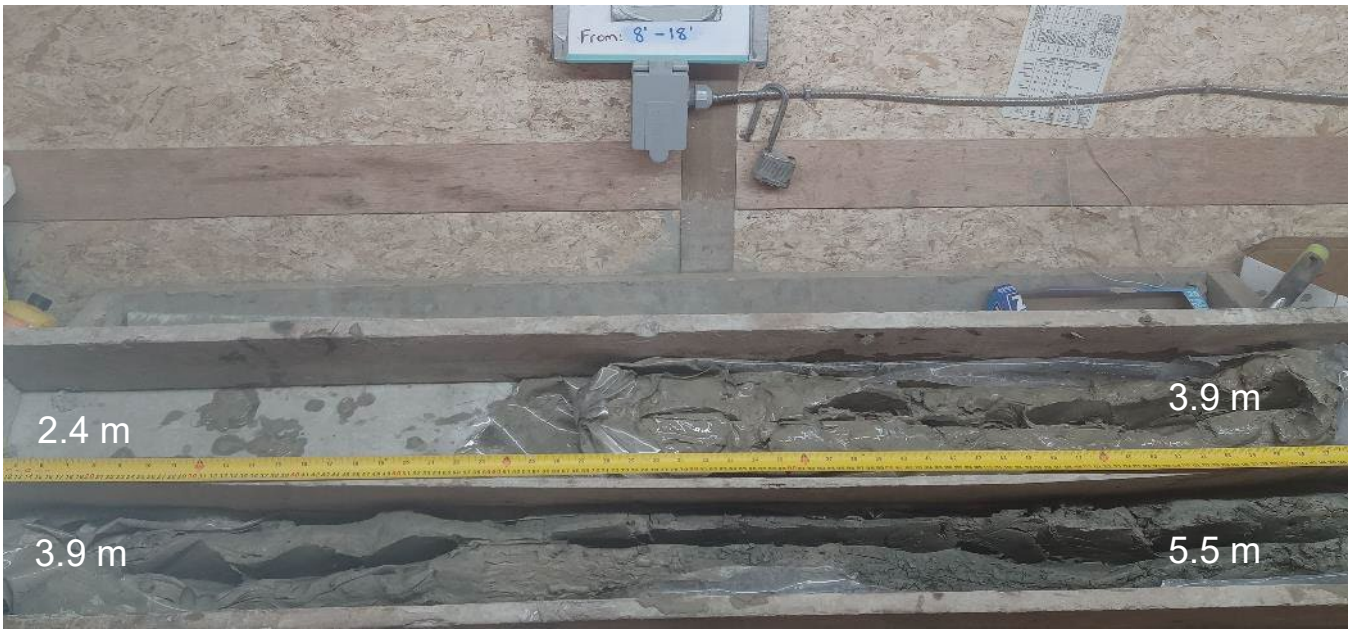
LG-BH-03

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 11.6 – 14.6



Depth (m): 14. 6 -17.7

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 35.1

Borehole ID: SRK22-LG-BH-03
Location: Lower Grade Stockpile



Depth (m): 35.1 – 38.1

LG-BH-04

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-LG-BH-04** **Depth (m): 0.0 – 5.5**
Job No: CAPR000801		Date: Nov 25, 2021 / Approved: ARB / Sheet: **1 of 7**

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-LG-BH-04
Location: Lower Grade Stockpile



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 41.1

LG-BH-05

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-LG-BH-05
Location: Lower Grade Stockpile



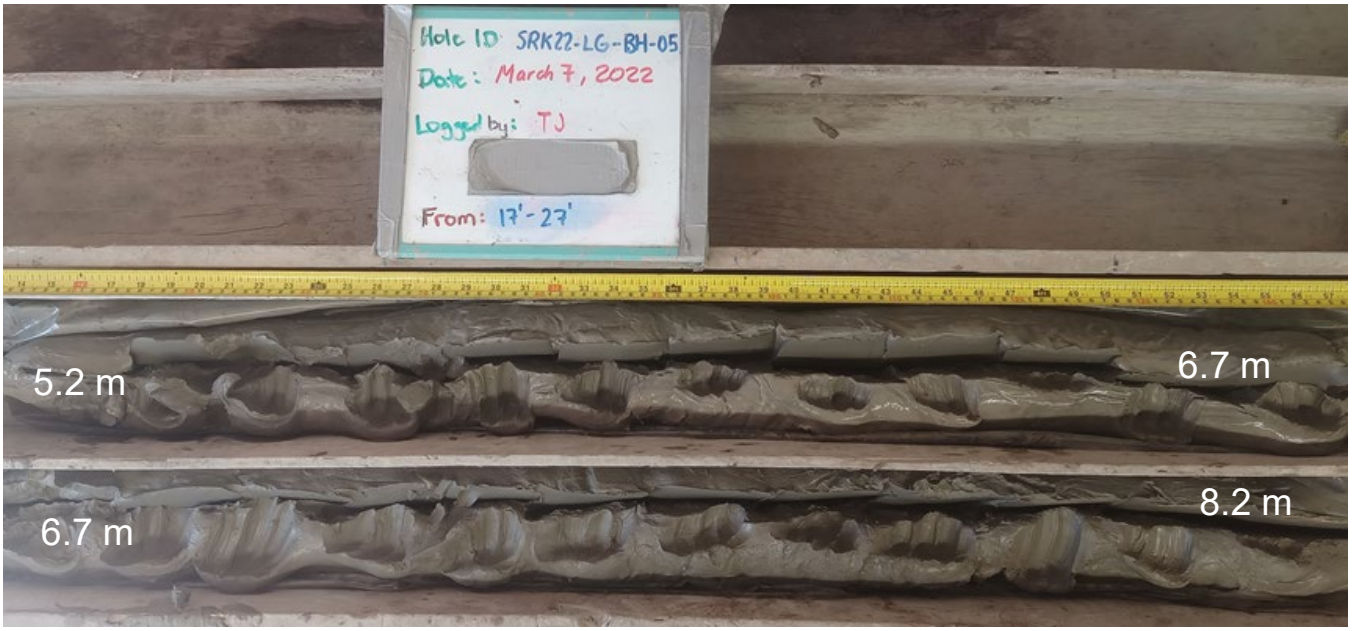
Depth (m): 0.0 – 2.1



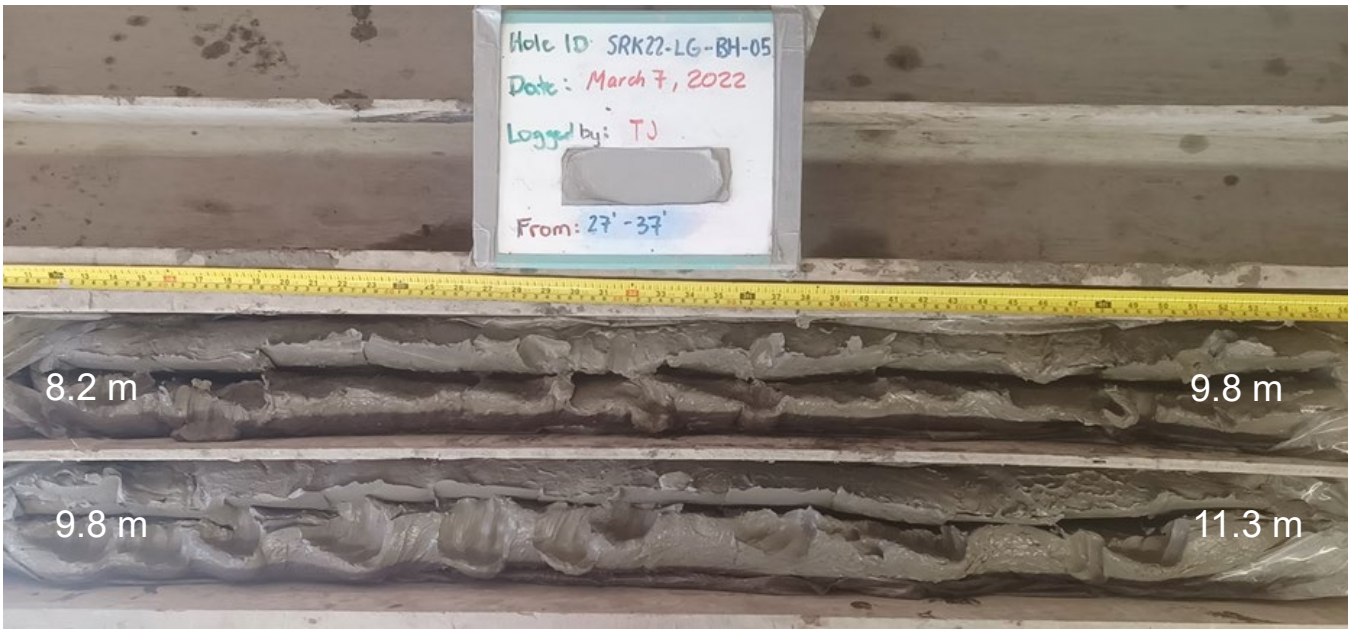
Depth (m): 2.1 – 5.2

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK22-LG-BH-05** **Depth (m): 0.0 – 5.2**		
Job No: CAPR000801		Date: Mar 8, 2022	Approved: ARB	Sheet: **1 of 5**

Borehole ID: SRK22-LG-BH-05
Location: Lower Grade Stockpile



Depth (m): 5.2 – 8.2



Depth (m): 8.2 – 11.3

Borehole ID: SRK22-LG-BH-05
Location: Lower Grade Stockpile



Depth (m): 11.3 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-LG-BH-05
Location: Lower Grade Stockpile



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 22.7

Borehole ID: SRK22-LG-BH-05
Location: Lower Grade Stockpile



Depth (m): 22.7 – 25.8

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK22-LG-BH-05** **Depth (m): 22.7 – 25.8**
Job No: CAPR000801		Date: Mar 8, 2022 | Approved: ARB | Sheet: **5 of 5**

LGS-BH-01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 4.0

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile



Depth (m): 4.0 – 7.0



Depth (m): 7.0 – 10.1

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile



Depth (m): 10.1 – 13.1



Depth (m): 13.1 – 16.2

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile



Depth (m): 16.2 – 19.2



Depth (m): 19.2 – 20.7

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile

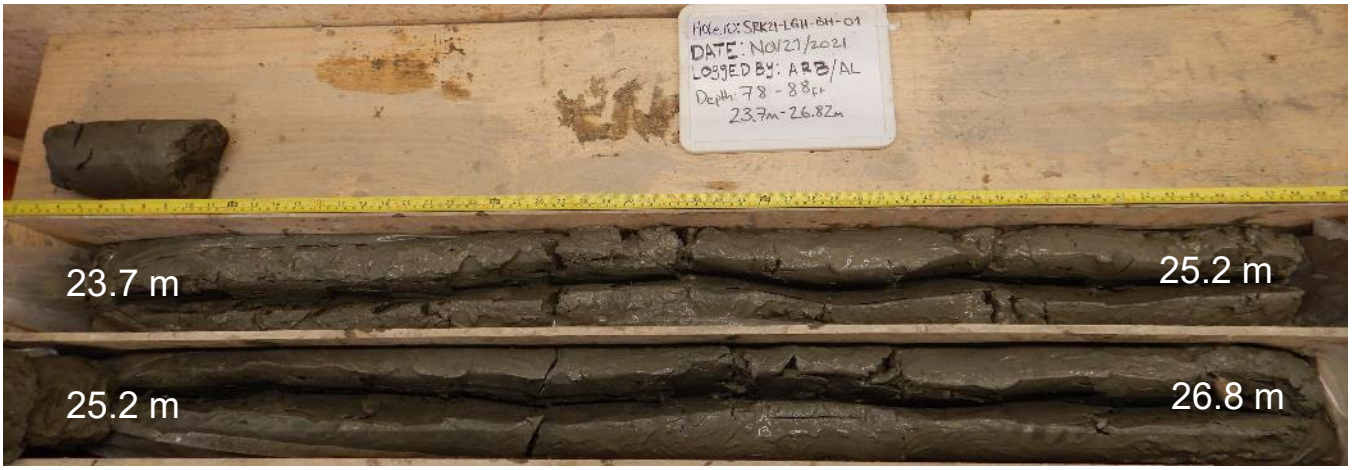


Depth (m): 20.7 – 22.3



Depth (m): 22.3 – 23.7

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile



Depth (m): 23.7 – 26.8

No Recovery

Depth (m): 26.8 - 28.4

Borehole ID: SRK21-LGS-BH-01
Location: Low Grade Stockpile



Depth (m): 28.4 – 30.5



Depth (m): 30.5 – 33.9

LGS-BH-08

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-LGS-BH-08
Location: Low Grade Stockpile

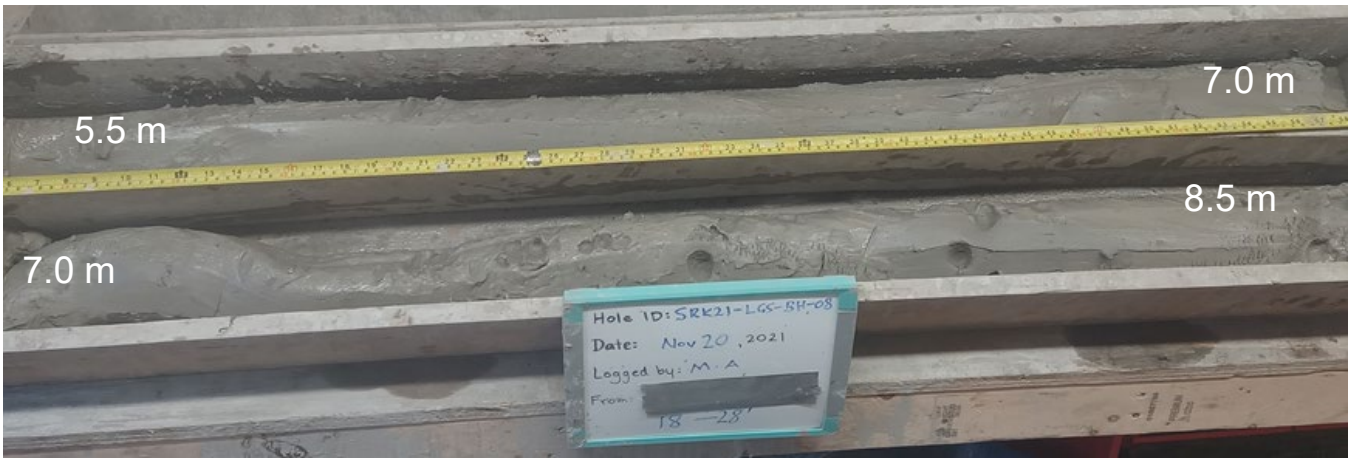


Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-LGS-BH-08
Location: Low Grade Stockpile



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-LGS-BH-08
Location: Low Grade Stockpile



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-LGS-BH-08
Location: Low Grade Stockpile

No Recovery

Depth (m): 17.7 – 23.8



Depth (m): 23.8 – 26.8

Borehole ID: SRK21-LGS-BH-08
Location: Low Grade Stockpile



Depth (m): 26.8 – 28.7



Depth (m): 28.7 – 31.1

NWR-BH-01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile

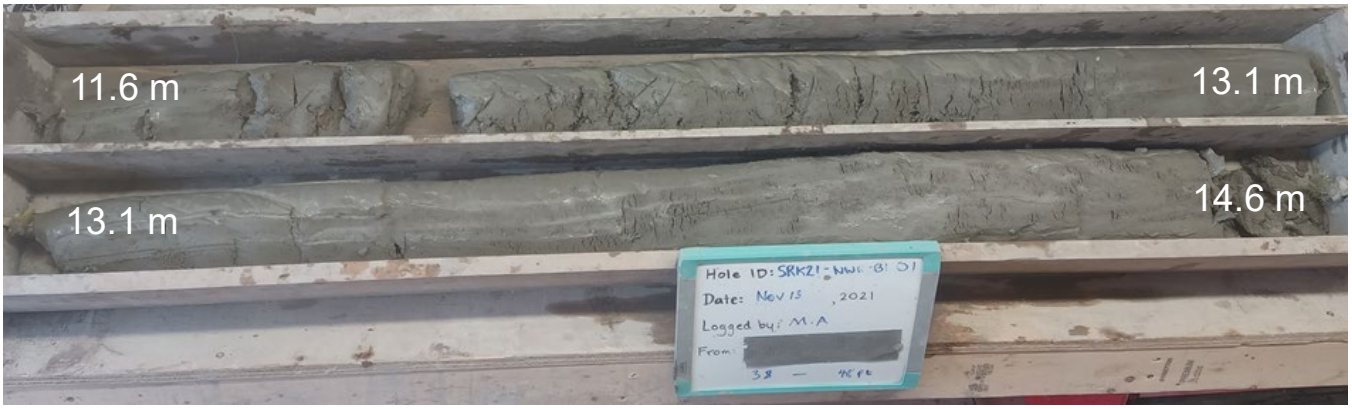


Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 29.9 – 31.4



Depth (m): 31.4 - 32.9

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 32.9 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile



Depth (m): 39.0 – 42.1



Depth (m): 42.1 – 45.1

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile

No Recovery

Depth (m): 45.1 – 48.2



Depth (m): 48.2 – 51.2

Borehole ID: SRK21-NWR-BH-01
Location: North Waste Rock Stockpile

No Recovery

Depth (m): 51.2 – 54.3



Depth (m): 54.3 – 57.3

NWR-BH-07

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-NWR-BH-07** **Depth (m): 0.0 – 5.5**
Job No: CAPR000801		Date: Nov 11, 2021 / Approved: ARB / Sheet: **1 of 8**

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile

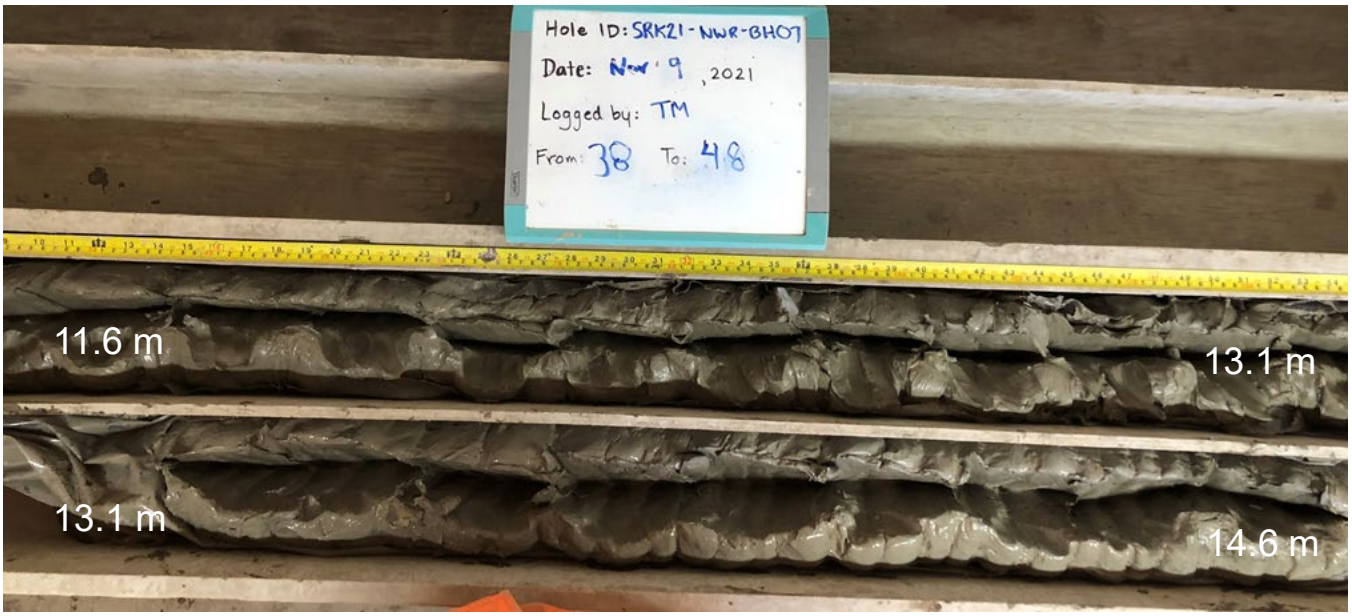


Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile

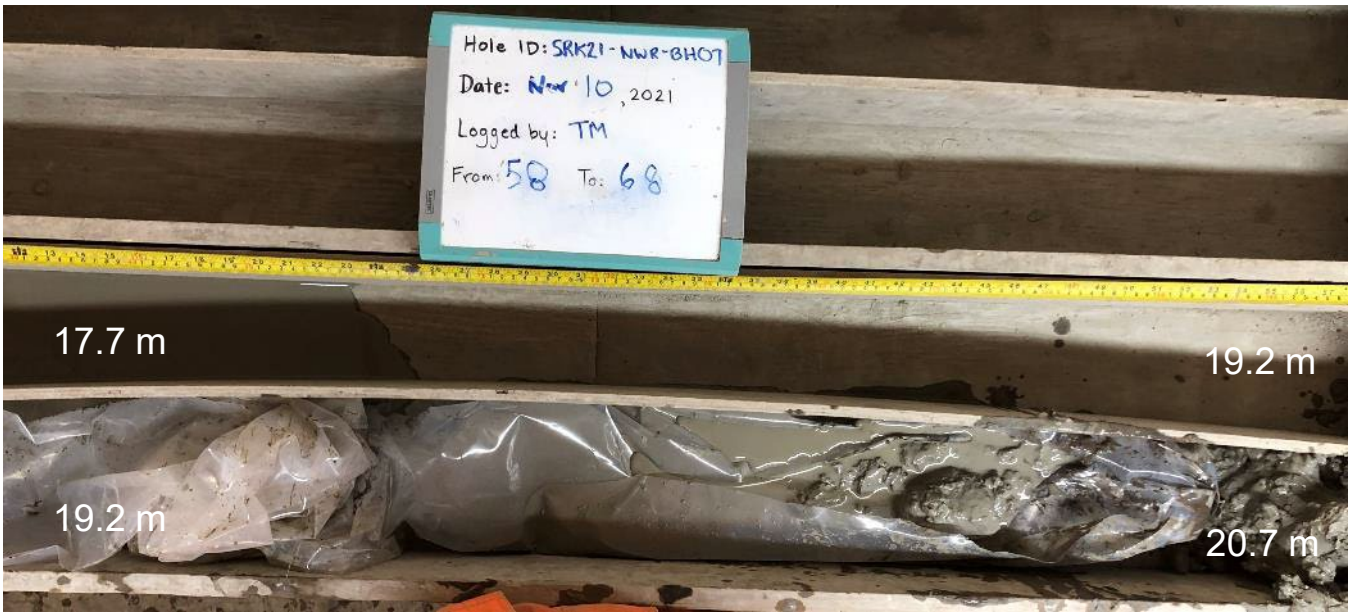


Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile

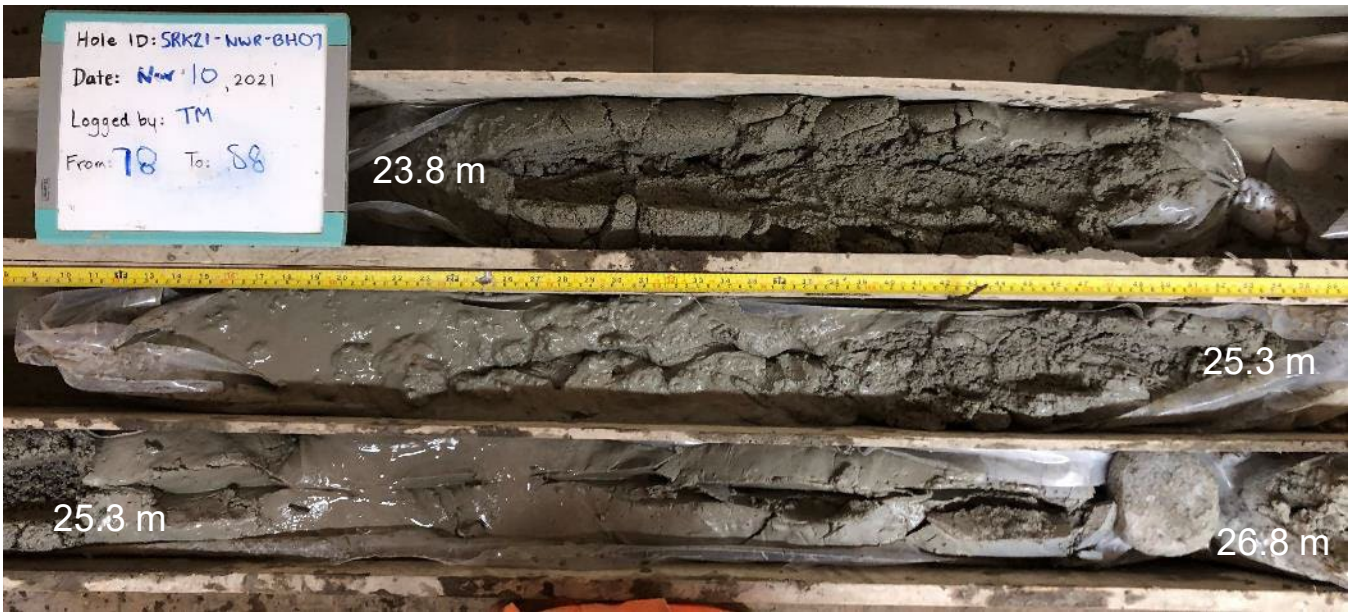


Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK21-NWR-BH-07
Location: North Waste Rock Stockpile



Depth (m): 42.1 – 44.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-NWR-BH-07** **Depth (m): 42.1 – 44.5**		
Job No: CAPR000801		Date: Nov 11, 2021	Approved: ARB	Sheet: **8 of 8**

NWR-BH-11

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-NWR-BH-11** **Depth (m): 0.0 – 5.5**
Job No: CAPR000801		Date: Nov 9, 2021 / Approved: ARB / Sheet: **1 of 8**

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile

No Recovery

Depth (m): 29.9 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 39.0 – 42.1



Depth (m): 42.1 – 45.1

Borehole ID: SRK21-NWR-BH-11
Location: North Waste Rock Stockpile



Depth (m): 45.1 – 48.2



Depth (m): 48.2 – 51.2

OP-BD-03

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 10.1

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 10.1 – 13.7



Depth (m): 13.7 – 17.7

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 34.4

Borehole ID: SRK21-OP-BD-03
Location: Open Pit



Depth (m): 34.4 – 36.0

OP-BD06

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-06
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BD-06
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-06
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-06
Location: Open Pit



Depth (m): 17.7 – 18.6



Depth (m): 18.6 – 21.6

OP-BD08

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 23.8 – 26.8

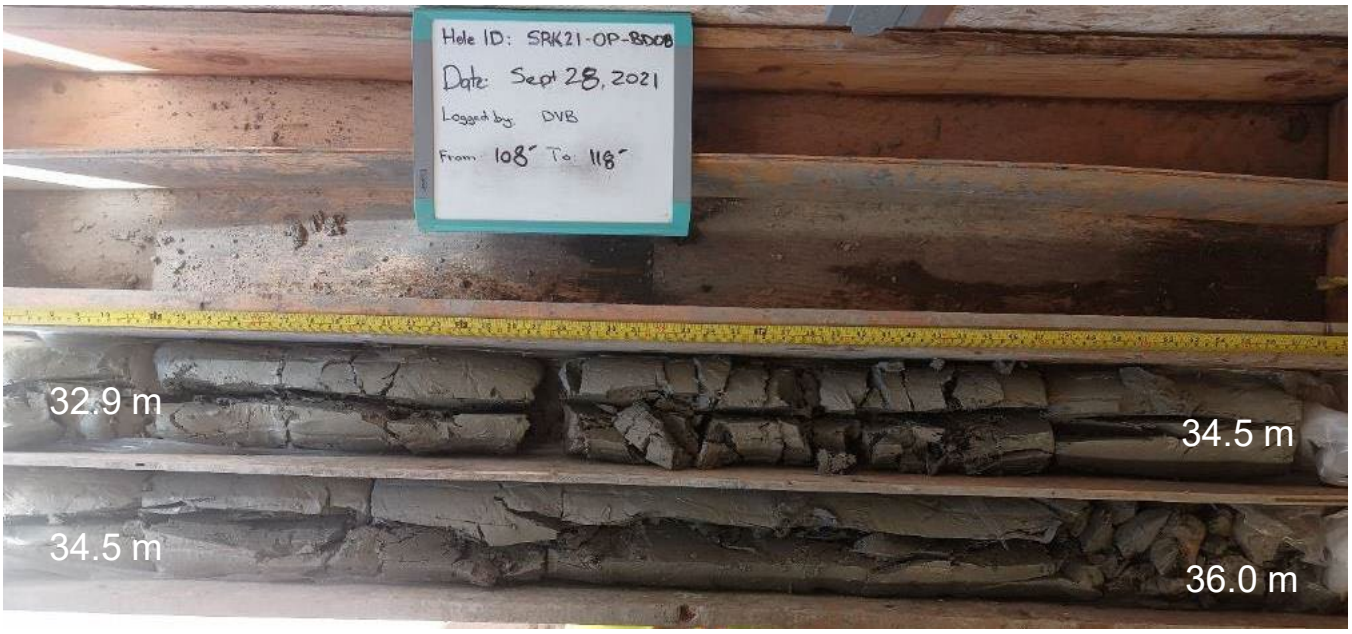


Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 42.1 – 45.1



Depth (m): 45.1 – 51.2

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 51.2 – 57.3



Depth (m): 57.3 – 63.4

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 63.4 – 69.5



Depth (m): 69.5 – 75.6

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 75.6 – 81.7



Depth (m): 81.7 – 83.2

Borehole ID: SRK21-OP-BD-08
Location: Open Pit



Depth (m): 83.2 – 90.2

OP-BD09

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 - 5.5

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.7

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 23.7 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BD-09
Location: Open Pit



Depth (m): 36.0 – 39.0

OP-BH05

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BH-05
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BH-05
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BH-05
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BH-05
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BH-05
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 32.3

OP-BD05

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-05
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-OP-BD-05** **Depth (m): 0.0 – 5.5**		
Job No: CAPR000801		Date: Oct 7, 2021	Approved: ARB	Sheet: **1 of 4**

Borehole ID: SRK21-OP-BD-05
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-05
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-05
Location: Open Pit



Depth (m): 17.7 – 20.7

OP-BD12

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 7.0

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 7.0 – 9.1



Depth (m): 9.1 – 11.6

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 26.8

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 26.8 – 29.9



Depth (m): 29.9 – 32.9

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 32.9 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK21-OP-BD-12
Location: Open Pit



Depth (m): 39.0 – 42.1

OP-BD11

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-OP-BD-11** **Depth (m): 0.0 – 5.5**		
Job No: CAPR000801		Date: Oct 9, 2021	Approved: ARB	Sheet: **1 of 7**

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BD-11
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

OP-BH07

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-OP-BH-07** **Depth (m): 0.0 – 5.5**		
Job No: CAPR000801		Date: Oct 12, 2021	Approved: ARB	Sheet: **1 of 9**

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 5.5 – 7.0



Depth (m): 7.0 – 8.5

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 8.5 – 11.6



Depth (m): 11.6 – 14.6

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 14.6 – 17.7



Depth (m): 17.7 – 20.7

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 20.7 – 23.8



Depth (m): 23.8 – 26.8

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 26.8 – 29.9



Depth (m): 29.9 – 32.9

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 32.9 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK21-OP-BH-07
Location: Open Pit



Depth (m): 39.0 – 42.1



Depth (m): 42.1 – 45.1

Borehole ID: SRK21-OP-BH-07
Location: Open Pit

No Recovery

Depth (m): 45.1 – 47.9



Depth (m): 47.9 – 50.9

OP-BD01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 0.0 – 5.5



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK21-OP-BD-01
Location: Open Pit



Depth (m): 42.1 – 45.1



Depth (m): 45.1 – 48.2

OP-BD02

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-02
Location: Open Pit

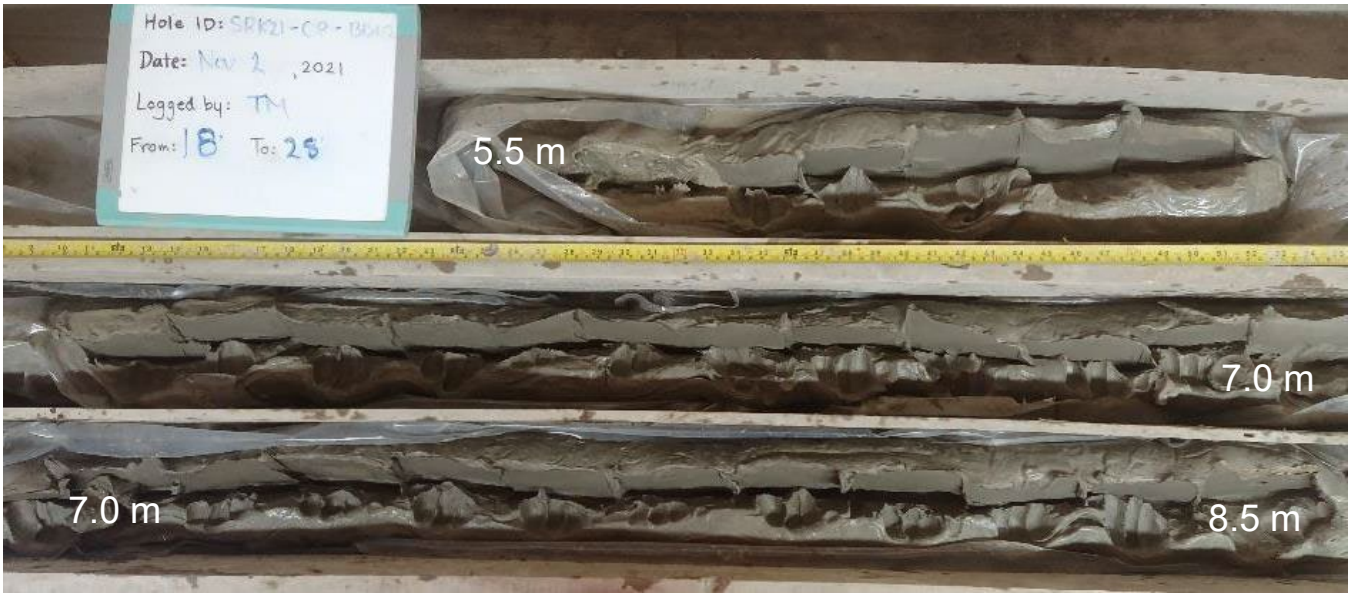


Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 23.8 – 26.8

No Recovery

Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 41.1

Borehole ID: SRK21-OP-BD-02
Location: Open Pit



Depth (m): 41.1 – 43.3

OP-BH09

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 5.5 – 8.5

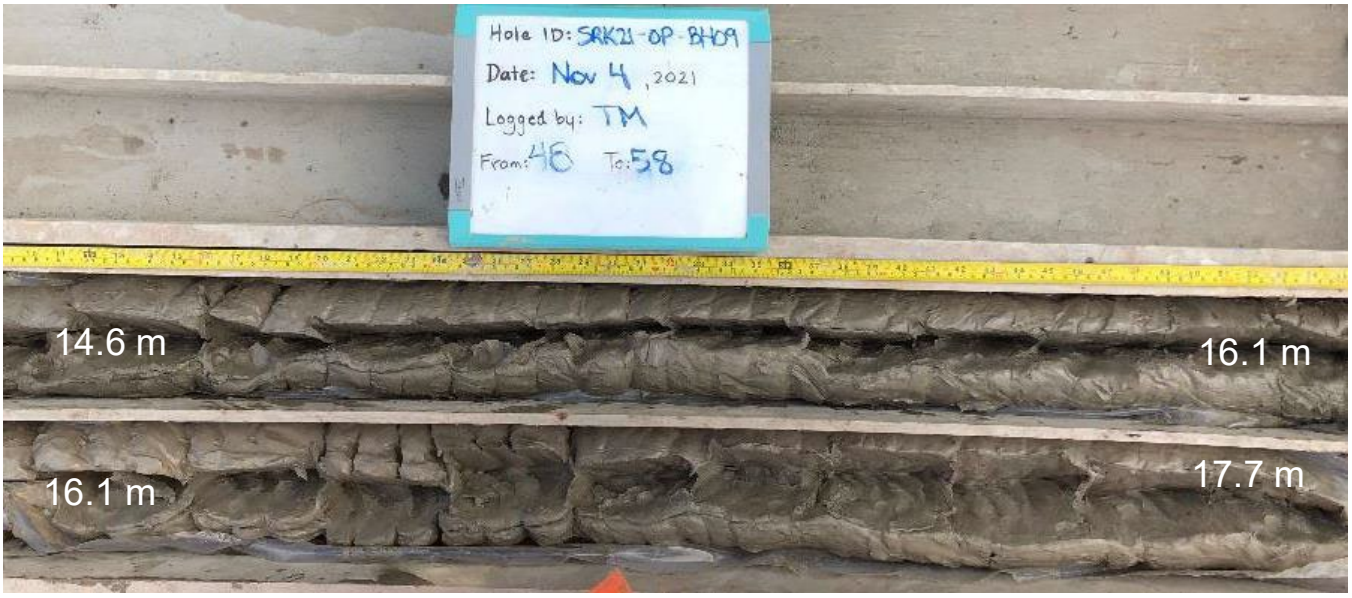


Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.8

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 42.1 – 45.1



Depth (m): 45.1 – 48.2

Borehole ID: SRK21-OP-BH-09
Location: Open Pit



Depth (m): 48.2 – 51.2



Depth (m): 51.2 – 52.7

OP-BD10

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BD-10
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BD-10
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BD-10
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BD-10
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 21.6

Borehole ID: SRK21-OP-BD-10
Location: Open Pit



Depth (m): 21.6 – 23.8

OP-BH04

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BH-04
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BH-04
Location: Open Pit



Depth (m): 5.5 – 8.5

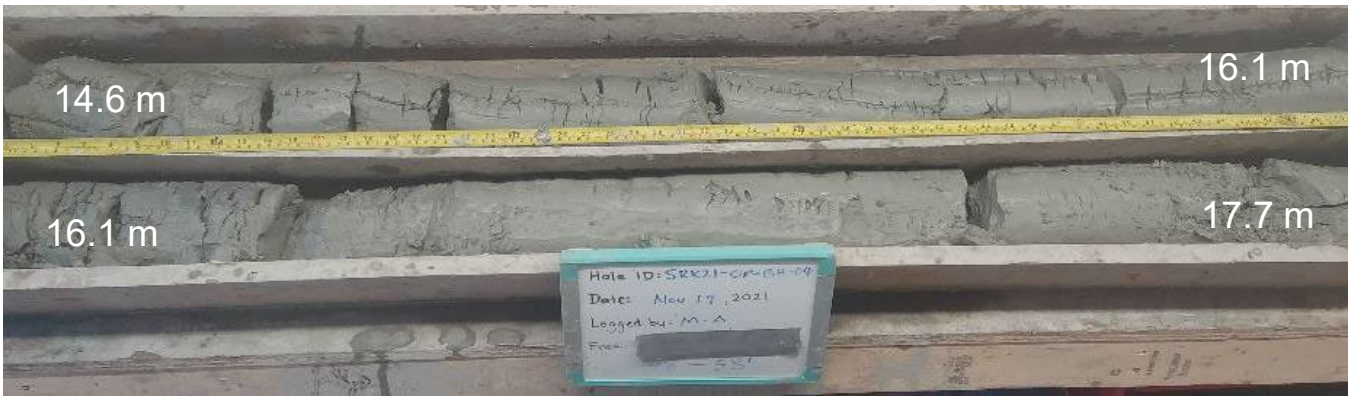


Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BH-04
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BH-04
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 21.3

Borehole ID: SRK21-OP-BH-04
Location: Open Pit



Depth (m): 21.3 – 22.6



Depth (m): 22.6 – 23.8

OP-BH02

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-OP-BH-02
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK21-OP-BH-02
Location: Open Pit

No Recovery

Depth (m): 42.1 – 66.1



Depth (m): 63.9 – 66.1

OP-BH06

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 5.5 – 8.2



Depth (m): 8.2 – 11.6

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.8

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 29.8 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 42.1 – 45.1



Depth (m): 45.1 – 48.2

Borehole ID: SRK22-OP-BH-06
Location: Open Pit



Depth (m): 48.2 – 50.3

OP-BD04

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 0.0 – 2.1



Depth (m): 2.1 – 5.2

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 5.2 – 8.2



Depth (m): 8.2 – 11.3

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 11.3 – 14.3



Depth (m): 14.3 – 17.4

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 17.4 – 20.4



Depth (m): 20.4 – 23.5

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 23.5 – 26.5



Depth (m): 26.5 – 29.6

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 29.6 – 31.1

No Recovery

Depth (m): 31.1 – 32.6

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 32.6 – 35.7



Depth (m): 35.7 – 38.7

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 38.7 – 40.8



Depth (m): 40.8 – 43.9

Borehole ID: SRK22-OP-BD-04
Location: Open Pit



Depth (m): 43.9 – 46.9



Depth (m): 46.9 – 49.2

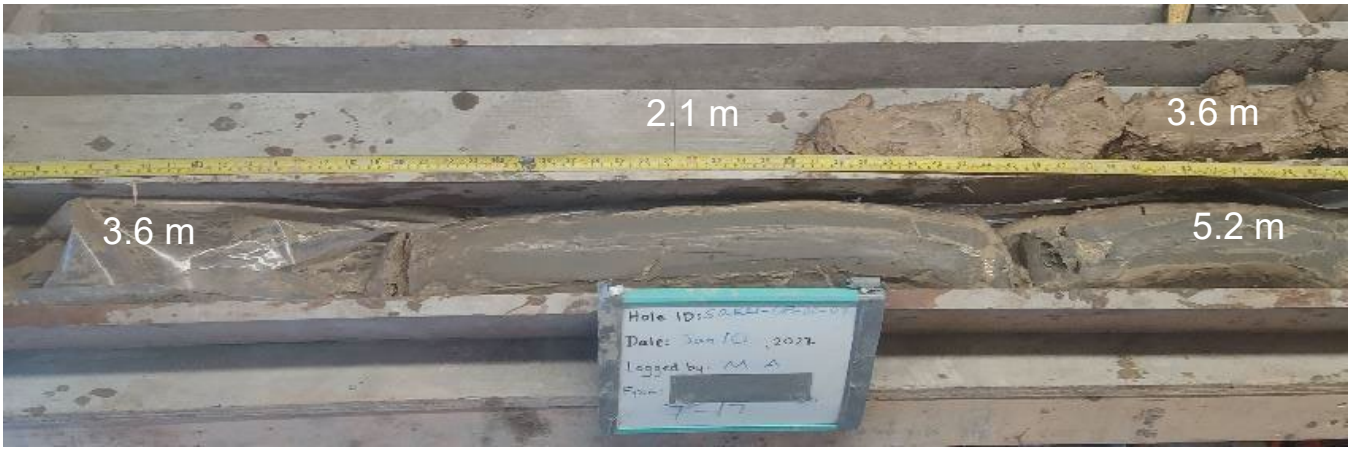
OP-BD07

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BD-07
Location: Open Pit



Depth (m): 0.0 – 2.1

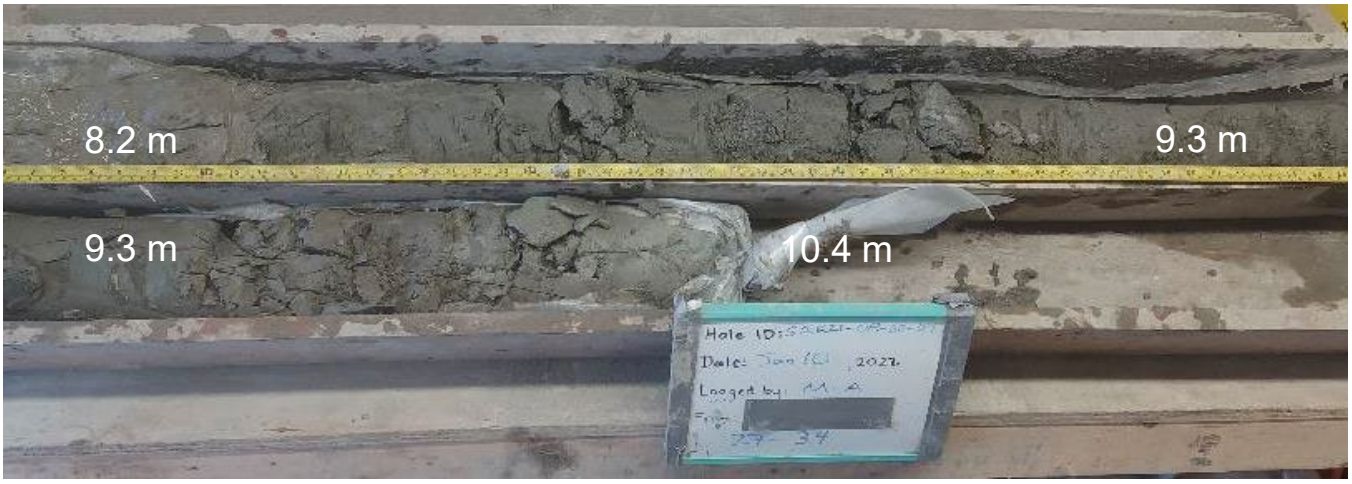


Depth (m): 2.1 – 5.2

Borehole ID: SRK22-OP-BD-07
Location: Open Pit



Depth (m): 5.2 – 8.2



Depth (m): 8.2 – 10.4

Borehole ID: SRK22-OP-BD-07
Location: Open Pit



Depth (m): 10.4 – 13.4

OP-BH03

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BH-03
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK22-OP-BH-03
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK22-OP-BH-03
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-OP-BH-03
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-OP-BH-03
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-OP-BH-03
Location: Open Pit



Depth (m): 29.9 – 31.4



Depth (m): 31.4 – 33.5

OP-BH01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK22-OP-BH-01
Location: Open Pit



Depth (m): 36.0 – 39.0

OP-BH08

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 0.0 – 2.1



Depth (m): 2.1 – 5.2

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 5.2 – 8.2



Depth (m): 8.2 – 11.3

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 11.3 – 14.3



Depth (m): 14.3 – 17.4

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 17.4 – 20.4



Depth (m): 20.4 – 23.5

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 23.5 – 26.5



Depth (m): 26.5 – 29.6

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 29.6 – 32.6



Depth (m): 32.6 – 34.7

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 34.7 – 35.7



Depth (m): 35.7 – 38.7

Borehole ID: SRK22-OP-BH-08
Location: Open Pit



Depth (m): 38.7 – 41.8

OP-BH10

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK22-OP-BH-10
Location: Open Pit

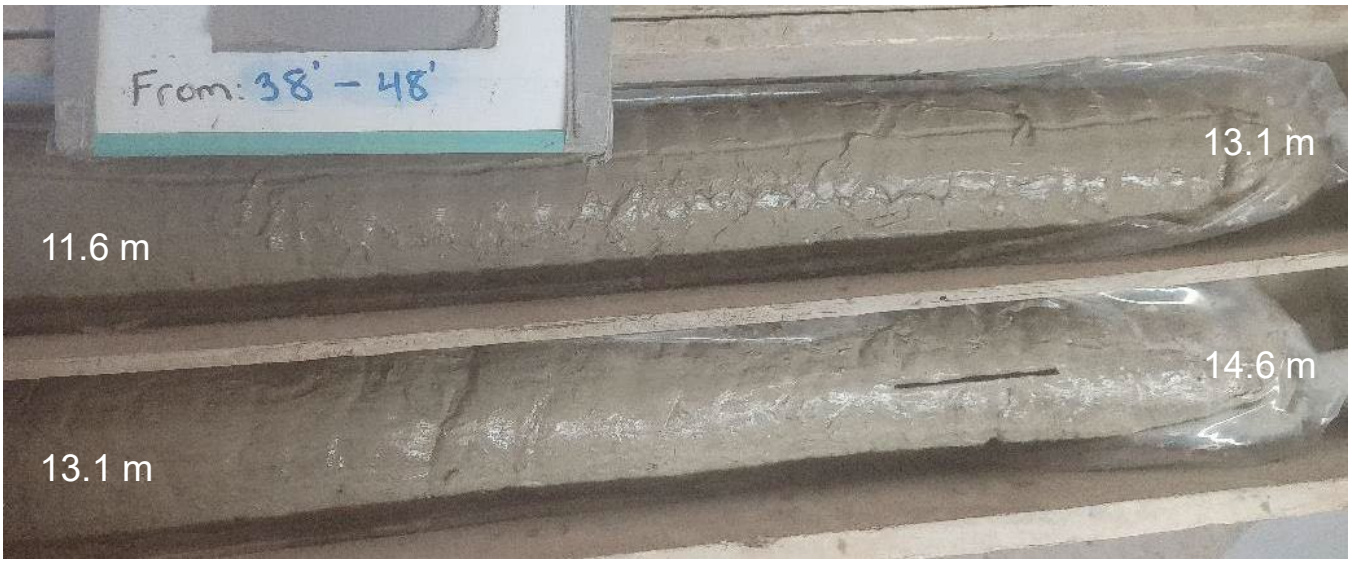


Depth (m): 5.5 – 8.5

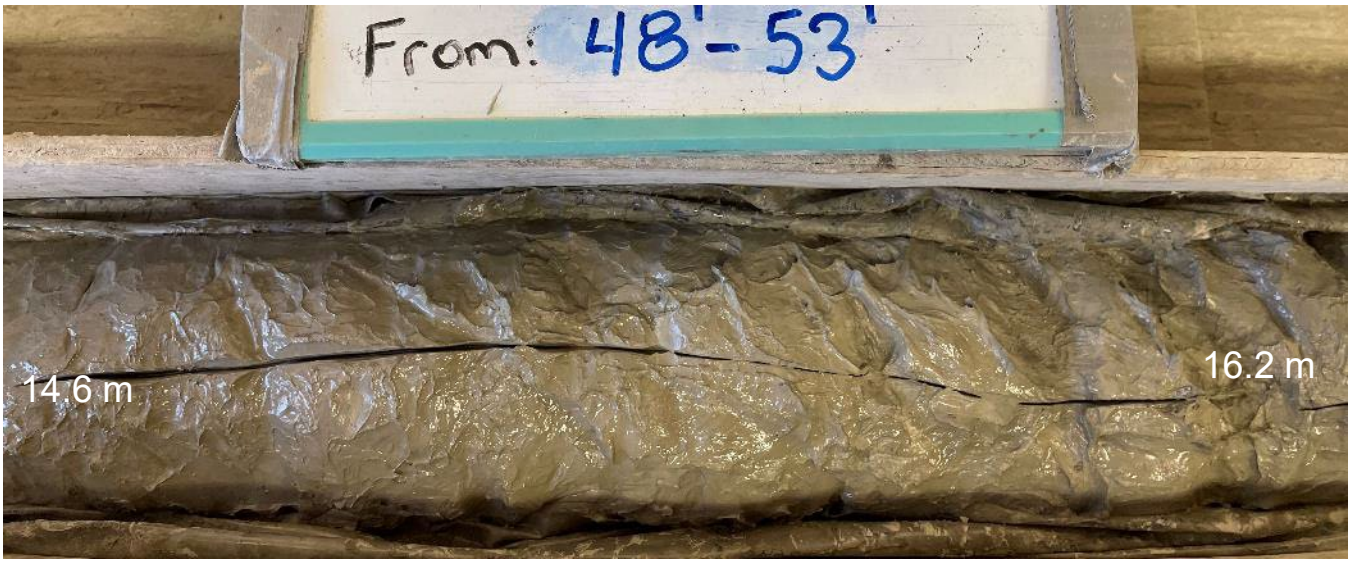


Depth (m): 8.5 – 11.6

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 16.2

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 16.2 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-OP-BH-10
Location: Open Pit

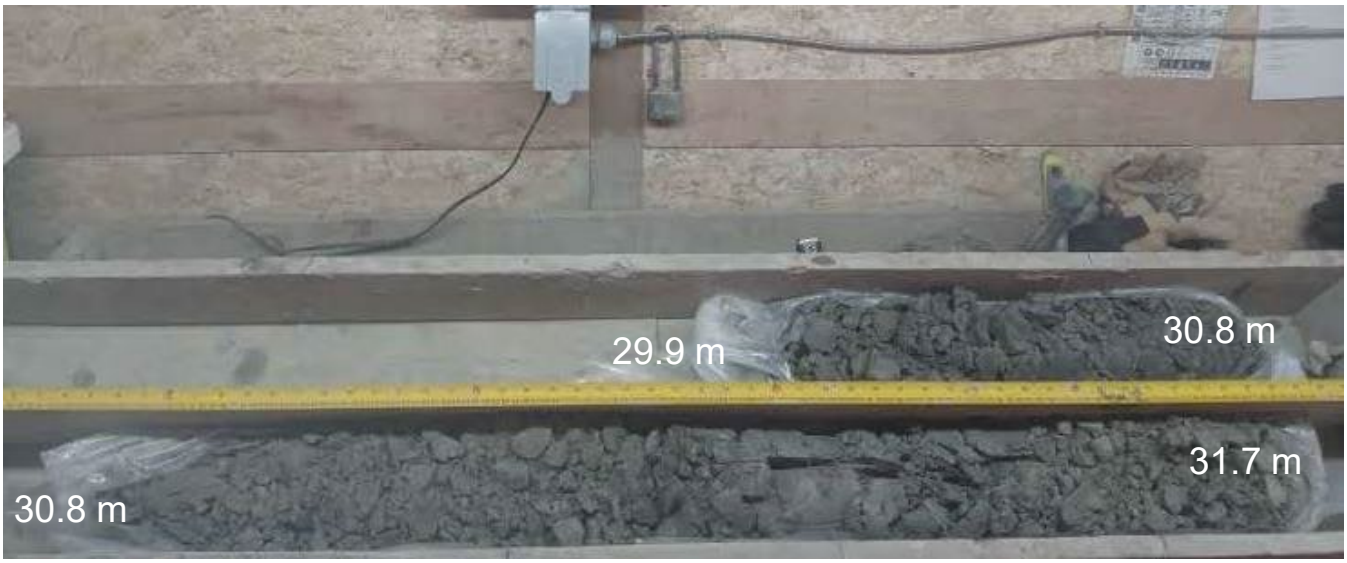


Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 29.9 – 31.7



Depth (m): 31.7 – 33.5

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 33.5 – 36.0



Depth (m): 36.0 – 38.7

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 38.7 – 41.1



Depth (m): 41.1 – 43.9

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 43.9 – 46.0



Depth (m): 46.0 – 48.2

Borehole ID: SRK22-OP-BH-10
Location: Open Pit



Depth (m): 48.2 – 51.2

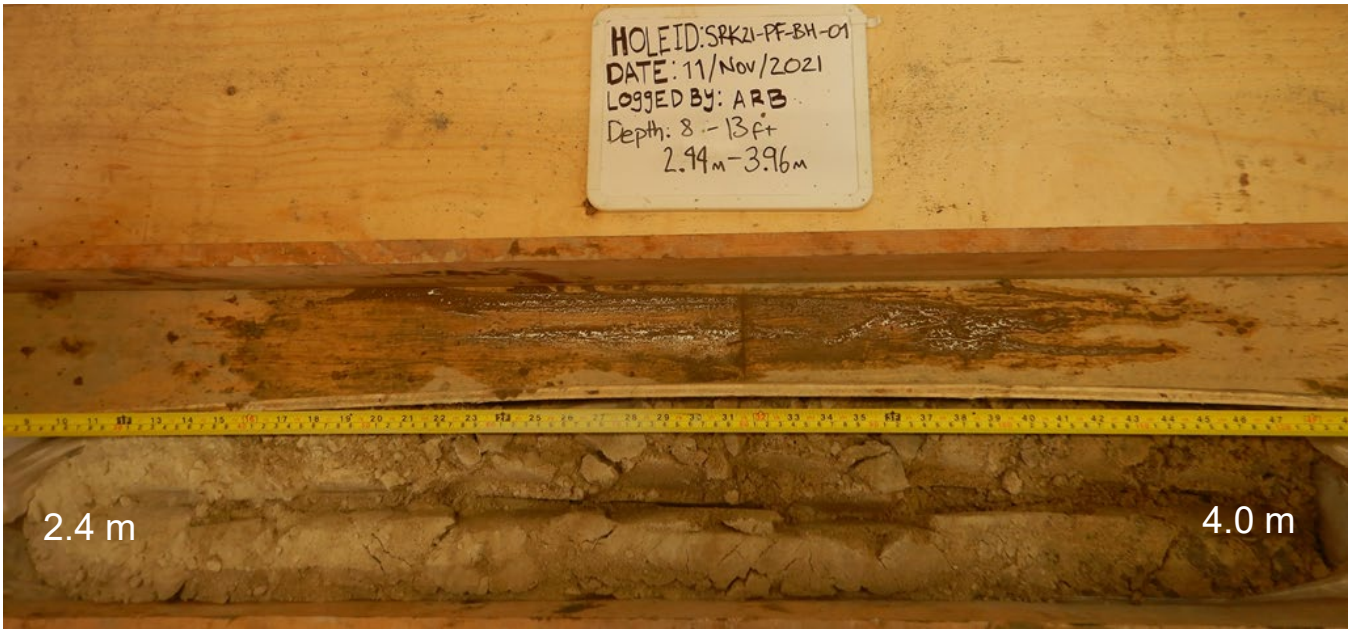
PF-BH-01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 4.0

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-PF-BH-01** **Depth (m): 0.0 – 4.0**		
Job No: CAPR000801		Date: Nov 11, 2021	Approved: ARB	Sheet: **1 of 7**

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 4.0 – 6.0



Depth (m): 6.0 – 7.0

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 7.0 – 8.5



Depth (m): 8.5 – 10.0

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 10.0 – 11.6



Depth (m): 11.6 – 14.6

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 14.6 – 17.7



Depth (m): 17.7 – 20.7

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 20.7 - 23.8



Depth (m): 23.8 – 26.8

Borehole ID: SRK21-PF-BH-01
Location: Plant Facility



Depth (m): 26.8 – 29.9

PF-BH-02

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-PF-BH-02
Location: Plant Facility



Depth (m): 0.0 – 2.4



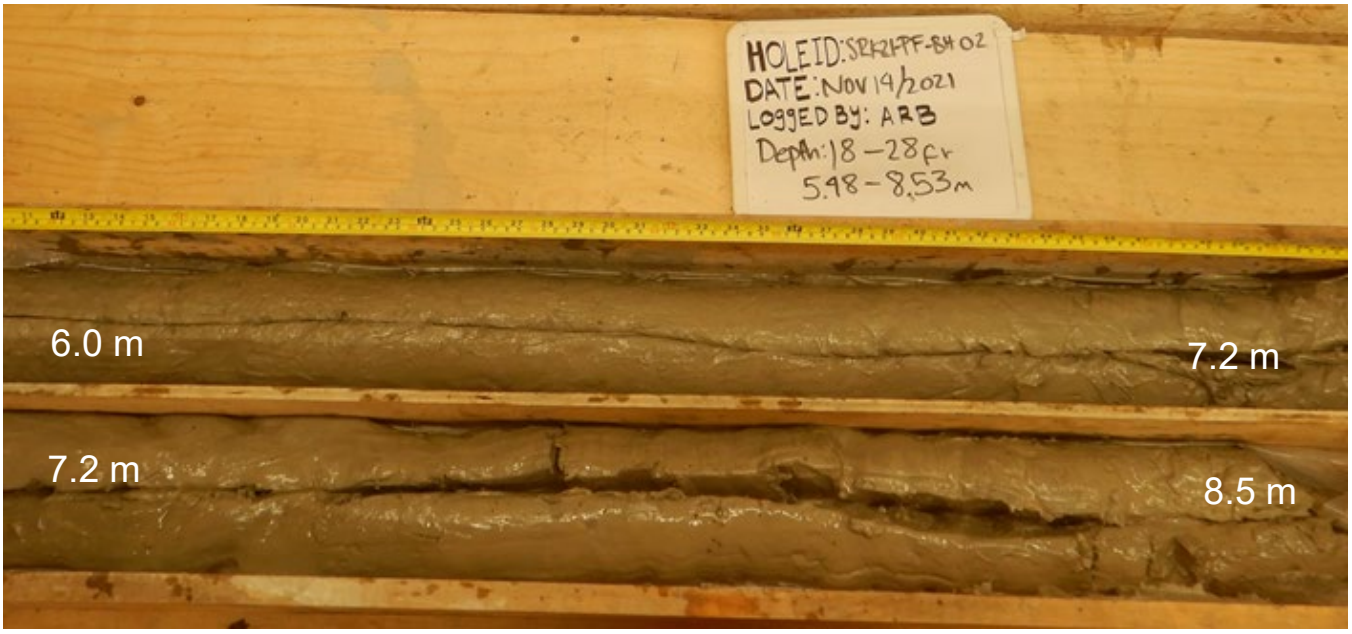
Depth (m): 2.4 – 4.0

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-PF-BH-02** **Depth (m): 0.0 – 4.0**		
Job No: CAPR000801		Date: Nov 14, 2021	Approved: ARB	Sheet: **1 of 4**

Borehole ID: SRK21-PF-BH-02
Location: Plant Facility

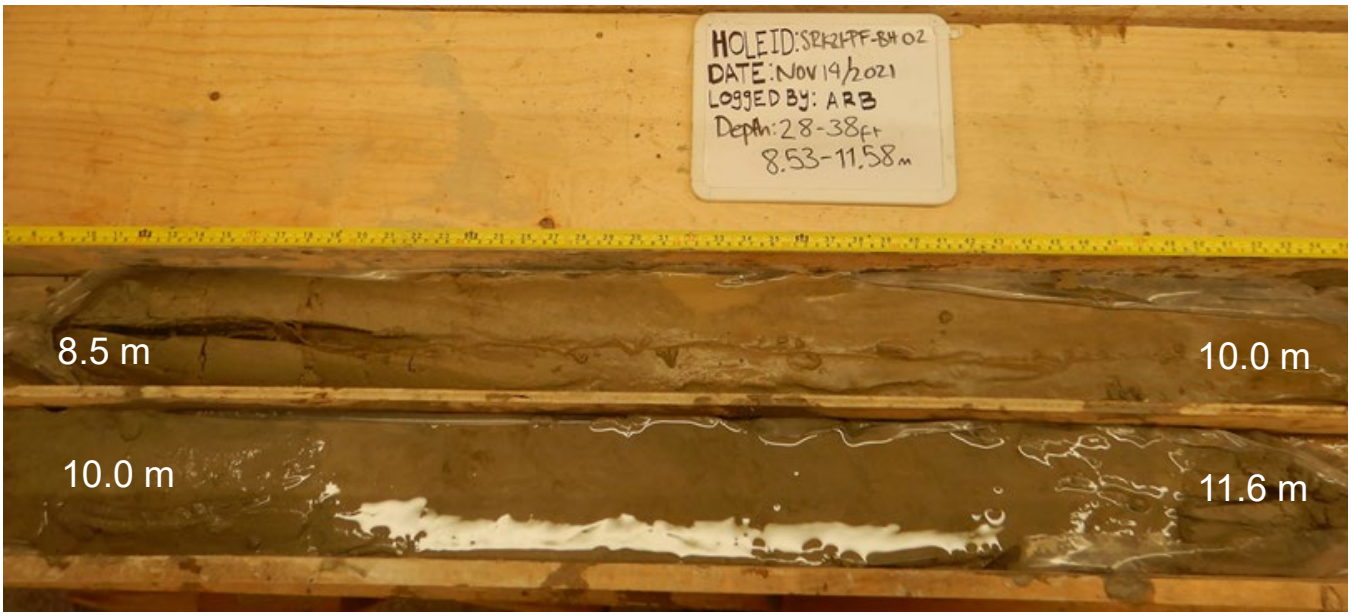


Depth (m): 4.0 - 6.0



Depth (m): 6.0 – 8.5

Borehole ID: SRK21-PF-BH-02
Location: Plant Facility



Depth (m): 8.5 – 11.6



Depth (m): 11.6 – 14.6

Borehole ID: SRK21-PF-BH-02
Location: Plant Facility



Depth (m): 14.6 – 19.0

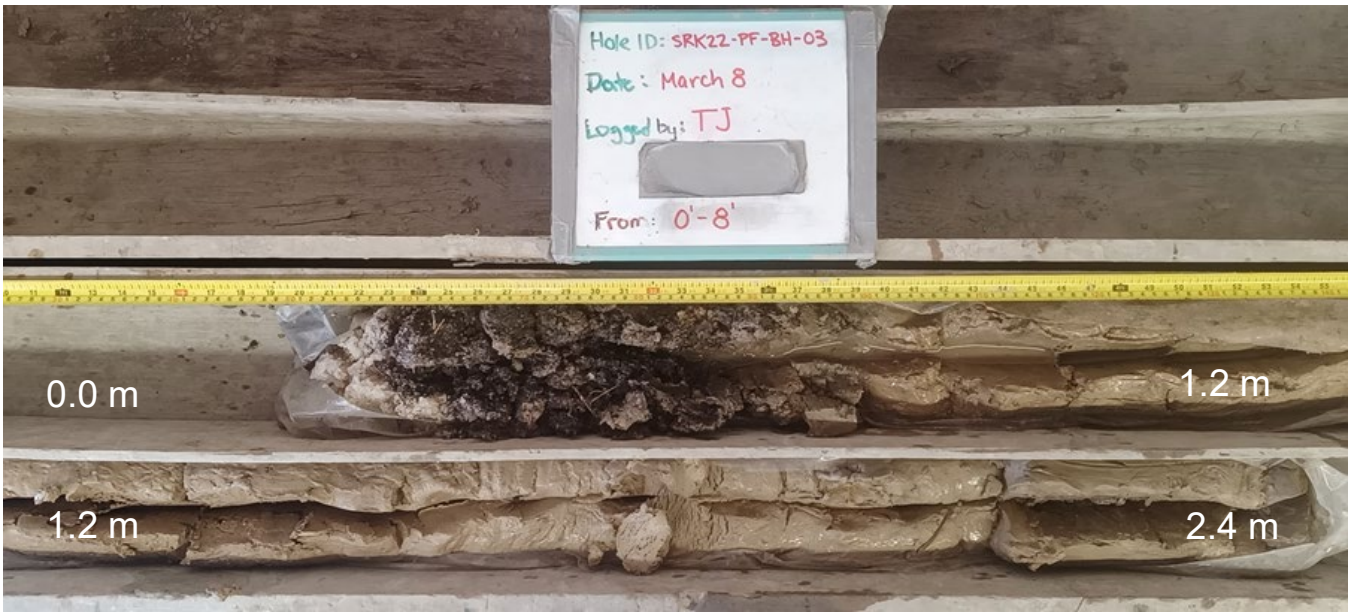


Depth (m): 19.0 – 20.1

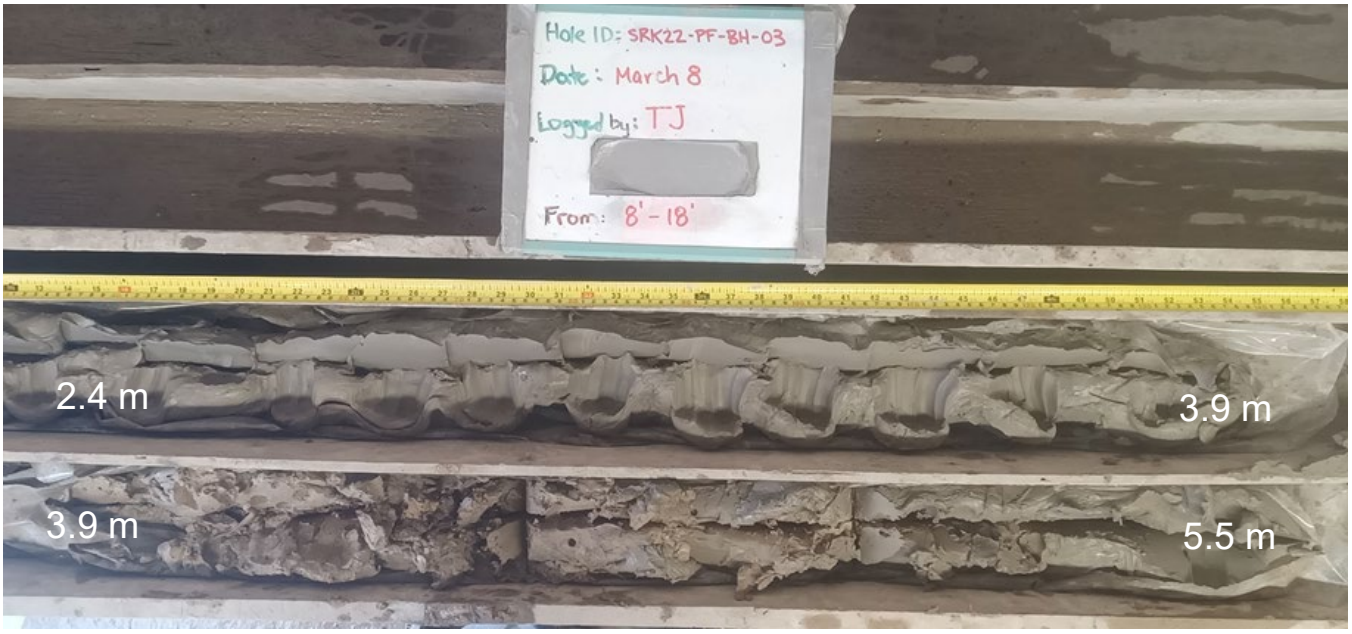
PF-BH-03

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility

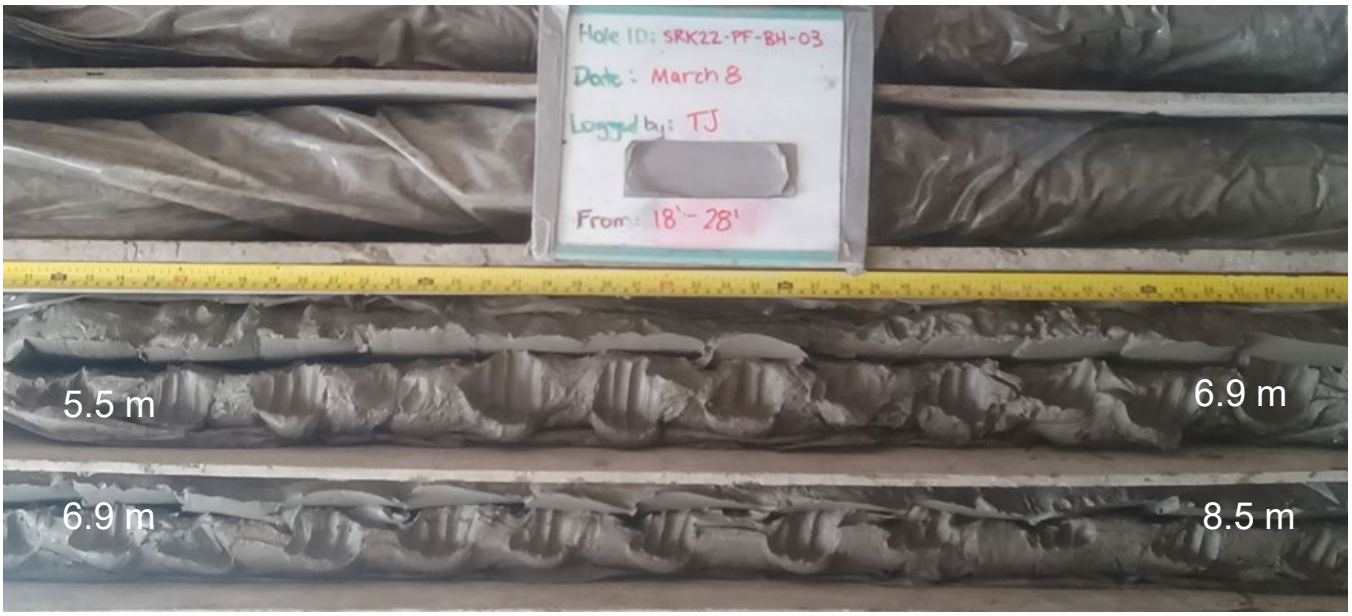


Depth (m): 0.0 – 2.4

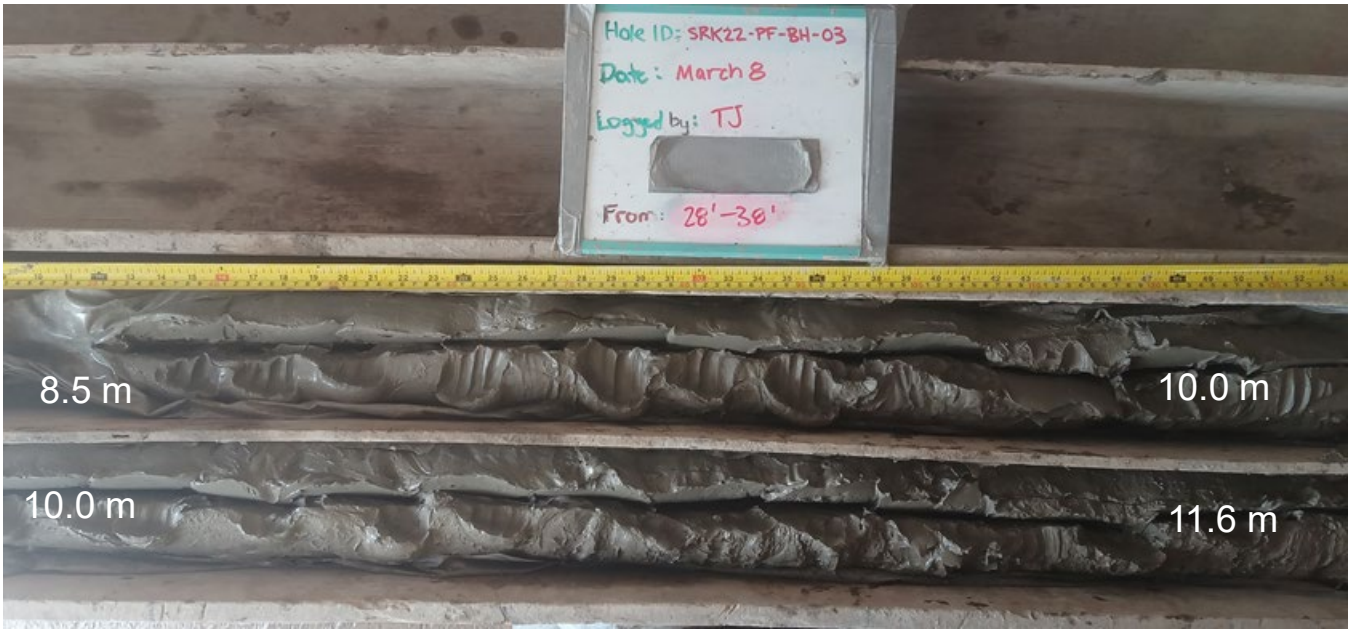


Depth (m): 2.4 – 5.5

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 23.8 – 26.8

No Recovery

Depth (m): 26.8 – 29.9

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 36.0 – 37.2



Depth (m): 37.2 – 40.2

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 40.2 – 42.1



Depth (m): 42.1 – 45.1

Borehole ID: SRK22-PF-BH-03
Location: Plant Facility



Depth (m): 45.1 - 46.6



Depth (m): 46.6 – 48.2

PF-BH-04

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.4

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 5.4 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility

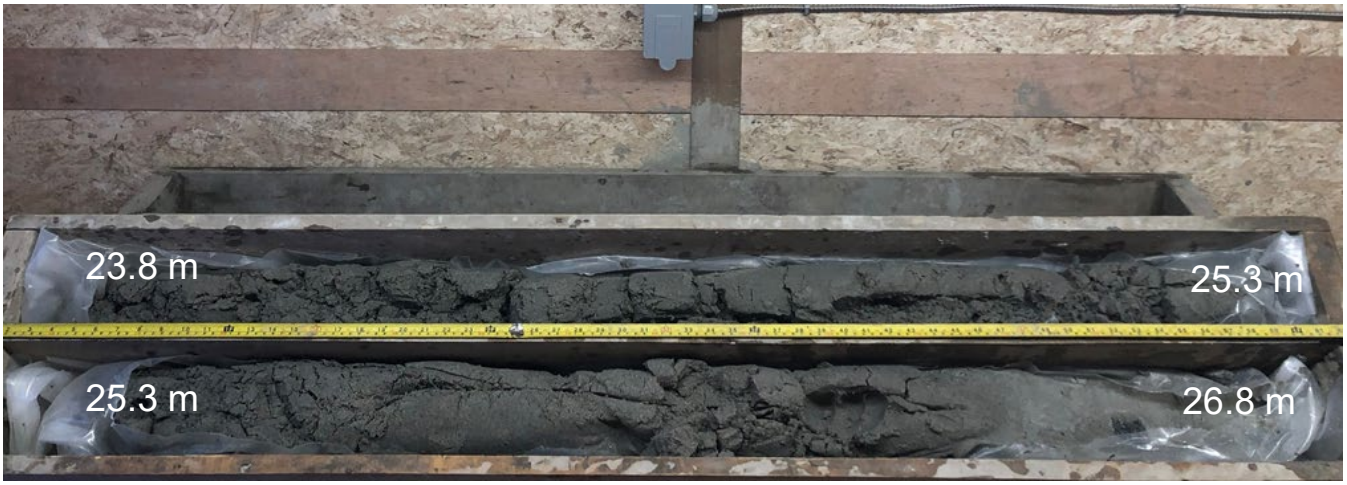


Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.8

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 29.8 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 36.0 – 39.0

No Recovery

Depth (m): 39.0 – 41.2

Borehole ID: SRK21-PF-BH-04
Location: Plant Facility



Depth (m): 41.2 – 44.2

SOS-BH01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile

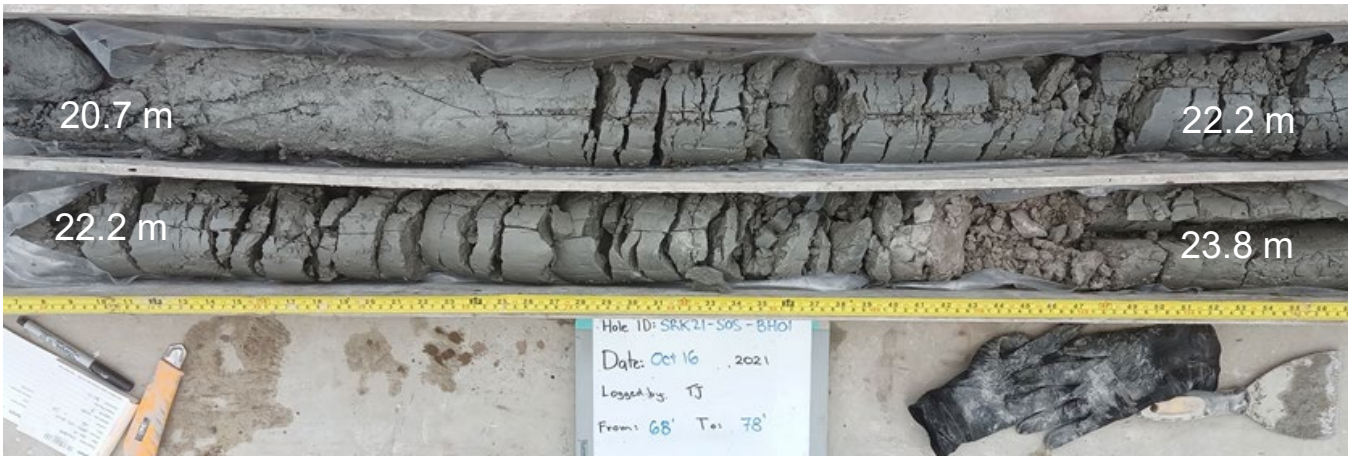


Depth (m): 11.6 – 14.6

No Recovery

Depth (m): 14.6 – 20.7

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile



Depth (m): 20.7 – 23.8



Depth (m): 23.8 – 26.8

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile



Depth (m): 26.8 – 29.9



Depth (m): 29.9 – 32.9

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile



Depth (m): 32.9 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK21-SOS-BH-01
Location: South Overburden Stockpile



Depth (m): 39.0 – 42.1

SOS-BH02

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 0.0 – 2.1



Depth (m): 2.1 – 5.5

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile

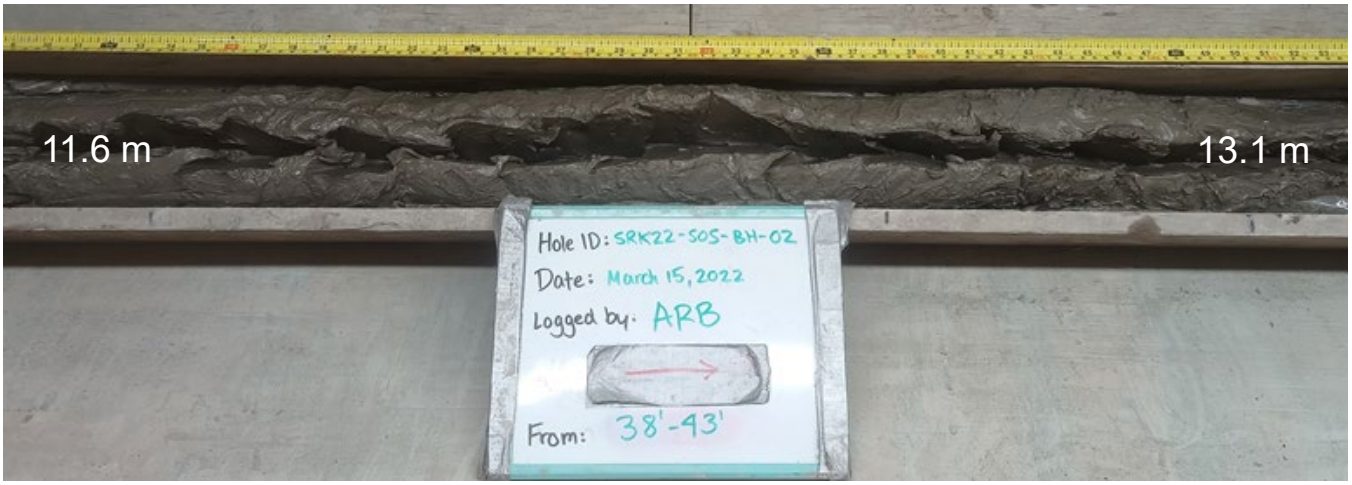


Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile

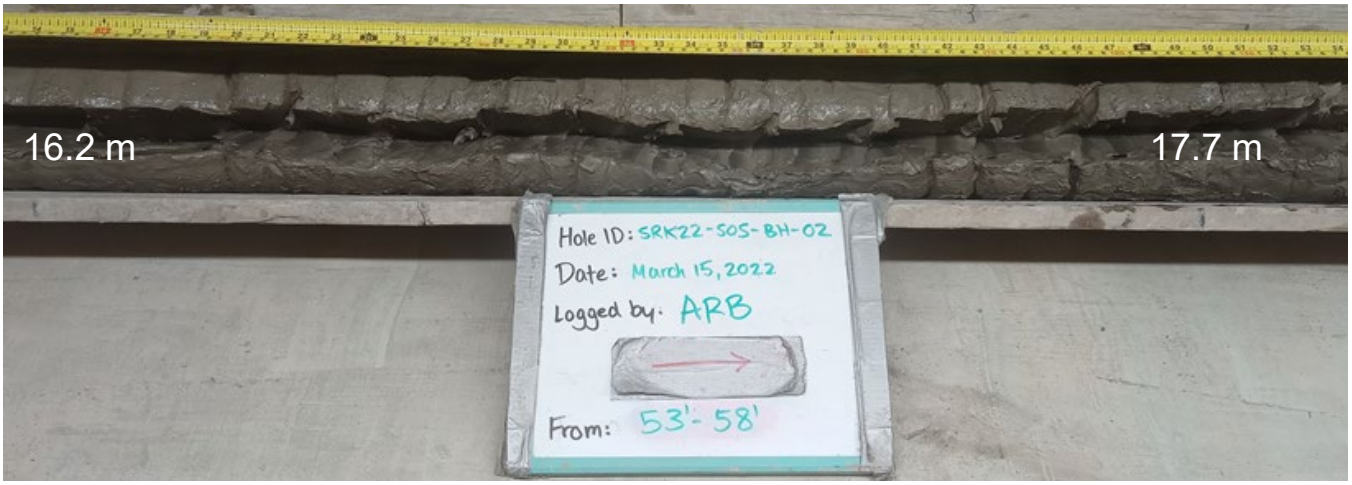


Depth (m): 11.6 – 13.1



Depth (m): 13.1 – 16.2

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 16.2 – 17.7



Depth (m): 17.7 – 20.7

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 20.7 – 23.8



Depth (m): 23.8 – 25.3

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile

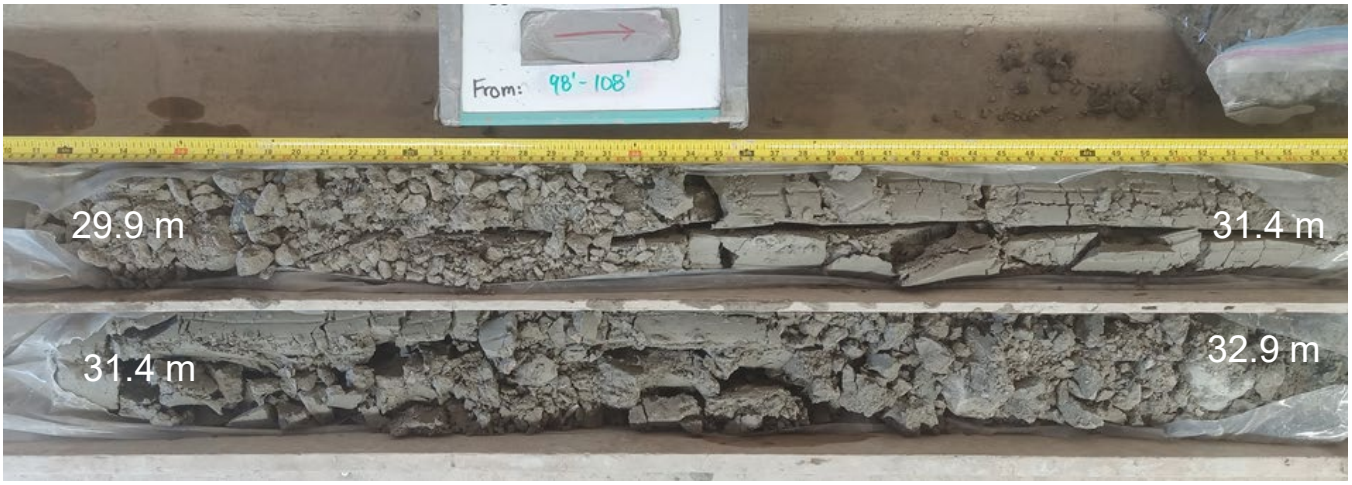


Depth (m): 25.3 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 35.1

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile

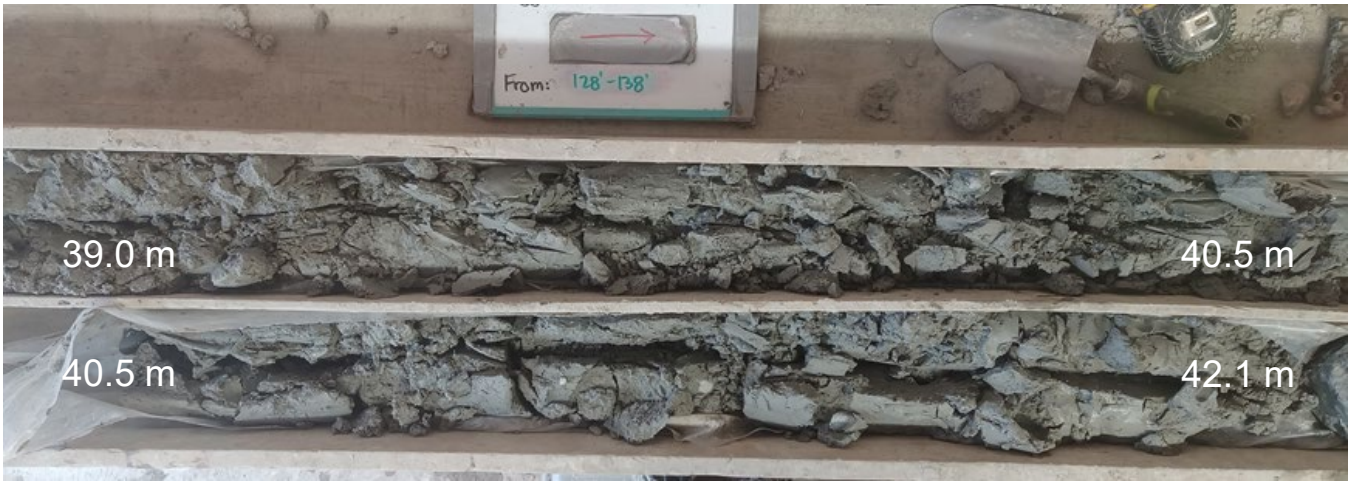


Depth (m): 35.1 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 39.0 – 42.1



Depth (m): 42.1 – 45.1

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 45.1 – 48.2



Depth (m): 48.2 – 51.2

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 51.2 – 53.6



Depth (m): 53.6 – 55.5

Borehole ID: SRK22-SOS-BH-02
Location: South Overburden Stockpile



Depth (m): 55.5 – 58.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK22-SOS-BH-02** **Depth (m): 55.5 – 58.5**		
Job No: CAPR000801		Date: Mar 16, 2022	Approved: ARB	Sheet: **12 of 12**

SOS-BH05

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.5

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 5.5 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile

No Recovery

Depth (m): 17.7 – 23.8



Depth (m): 23.8 – 26.8

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 26.8 – 29.9



Depth (m): 29.9 – 32.9

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 32.9 – 36.0



Depth (m): 36.0 – 39.0

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 39.0 – 42.1



Depth (m): 42.1 – 45.1

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 45.1 – 48.2



Depth (m): 48.2 – 51.2

Borehole ID: SRK21-SOS-BH-05
Location: South Overburden Stockpile



Depth (m): 51.2 – 52.7

TSF-BH10

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH-10
Location: Tailing Storage Facility



Depth (m): 0.0 - 2.4



Depth (m): 2.4 – 5.5

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-TSF-BH-10** **Depth (m): 0.0 – 5.5**
Job No: CAPR000801		Date: Oct 23, 2021 / Approved: ARB / Sheet: **1 of 6**

Borehole ID: SRK21-TSF-BH-10
Location: Tailing Storage Facility



Depth (m): 5.5 - 5.8

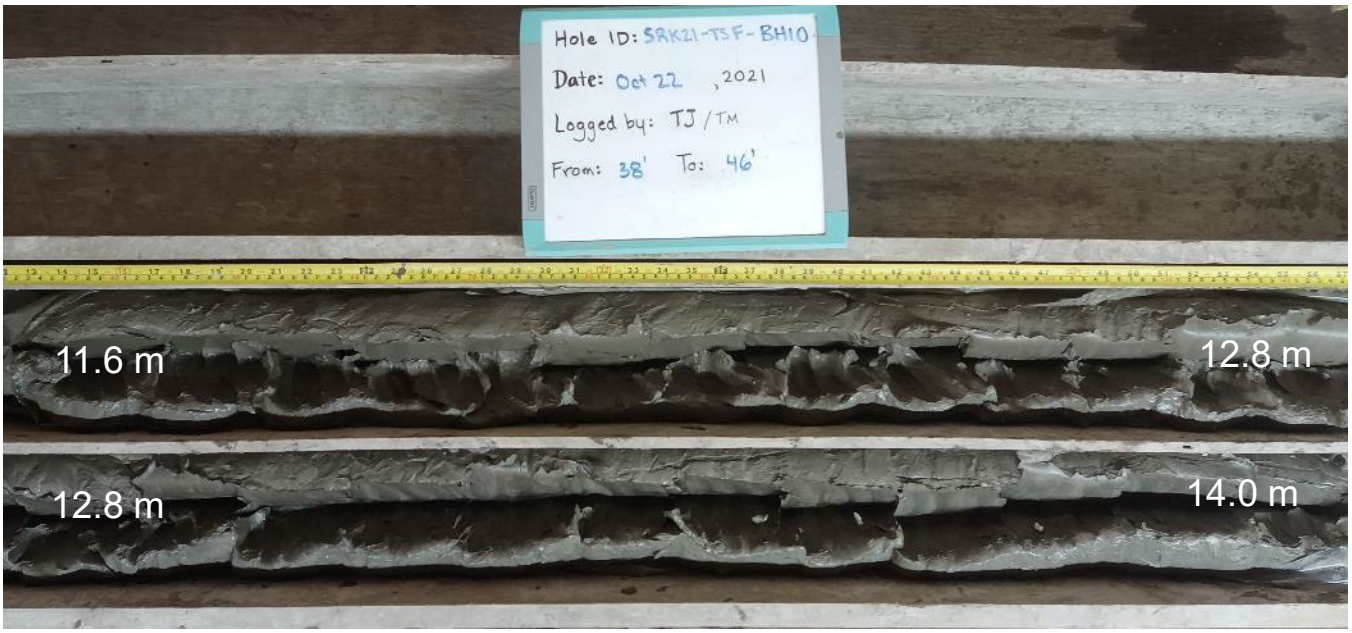


Depth (m): 5.8 - 7.9

Borehole ID: SRK21-TSF-BH-10
Location: Tailing Storage Facility



Depth (m): 7.9 – 11.6



Depth (m): 11.6 – 14.0

Borehole ID: SRK21-TSF-BH-10
Location: Tailing Storage Facility



Depth (m): 14.0 – 17.7



Depth (m): 17.7 – 20.7

Borehole ID: SRK21-TSF-BH-10
Location: Tailing Storage Facility



Depth (m): 20.7 – 23.8



Depth (m): 23.8 – 25.9

Borehole ID: SRK21-TSF-BH-10
Location: Tailing Storage Facility



Depth (m): 25.9 – 28.7

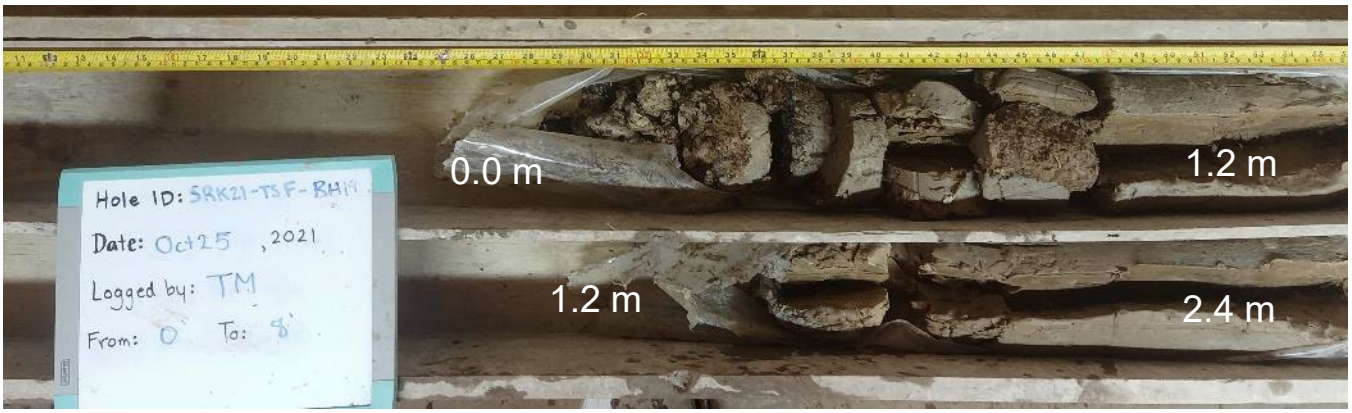


Depth (m): 28.7 – 31.7

TSF-BH19

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 4.6

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility

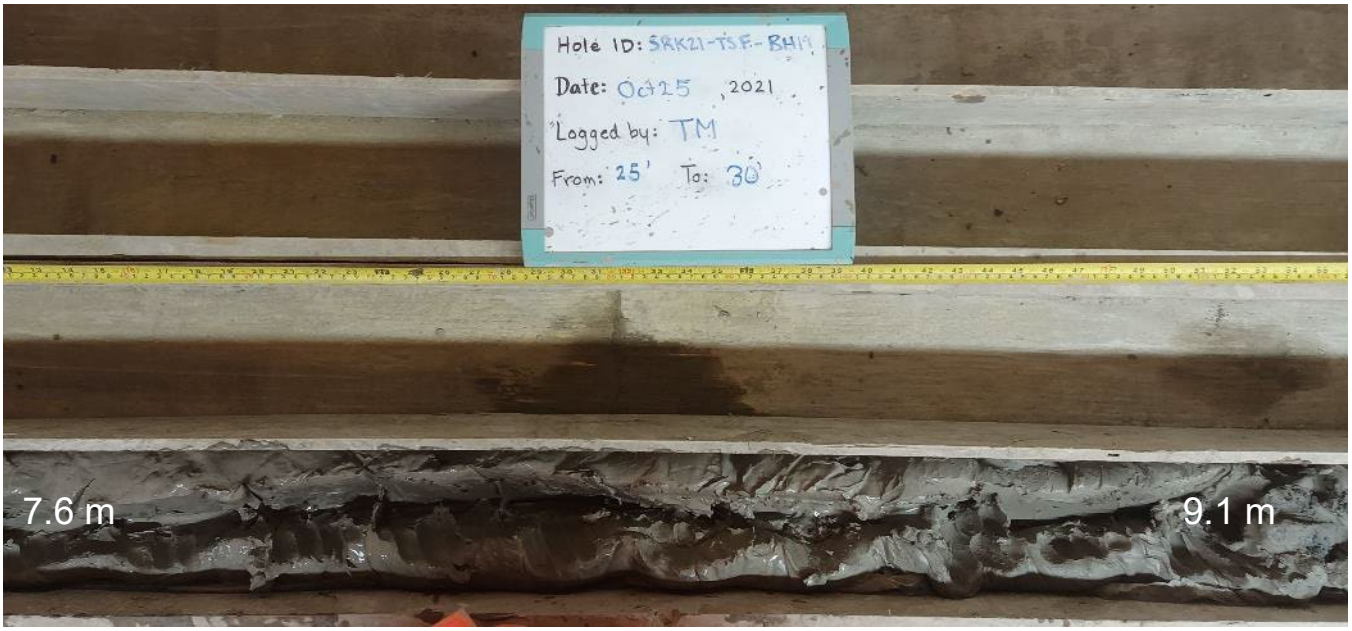


Depth (m): 4.6 – 6.1



Depth (m): 6.1 – 7.6

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 7.6 – 9.1



Depth (m): 9.1 – 10.7

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 10.7 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 25.3

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 25.3 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 29.9 – 32.9

No Recovery

Depth (m): 32.9 – 36.0

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 42.1

Borehole ID: SRK21-TSF-BH-19
Location: Tailing Storage Facility



Depth (m): 42.1 – 45.1



Depth (m): 45.1 – 48.2

TSF-BH09

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH-09
Location: Tailing Storage Facility



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.4

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-TSF-BH-09** **Depth (m): 0.0 – 5.4**
Job No: CAPR000801		Date: Oct 28, 2021 / Approved: ARB / Sheet: **1 of 6**

Borehole ID: SRK21-TSF-BH-09
Location: Tailing Storage Facility



Depth (m): 5.4 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-TSF-BH-09
Location: Tailing Storage Facility



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-TSF-BH-09
Location: Tailing Storage Facility



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-TSF-BH-09
Location: Tailing Storage Facility



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-TSF-BH-09
Location: Tailing Storage Facility



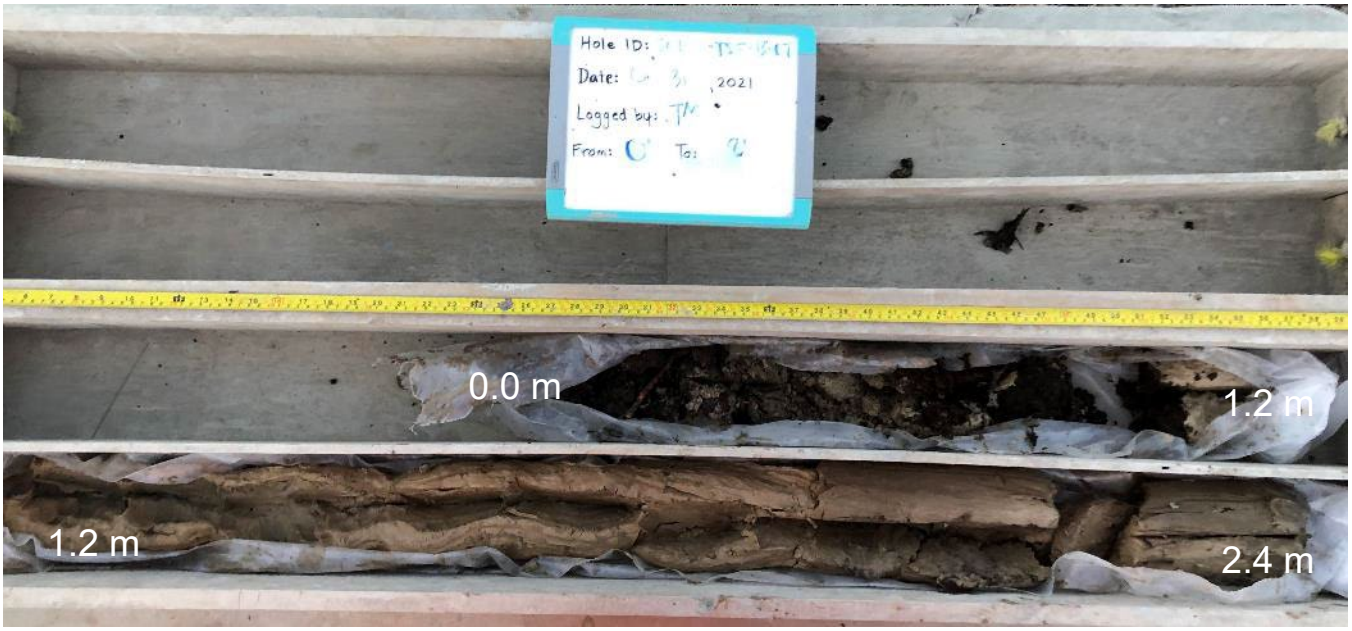
Depth (m): 29.9 – 32.9

Depth (m):

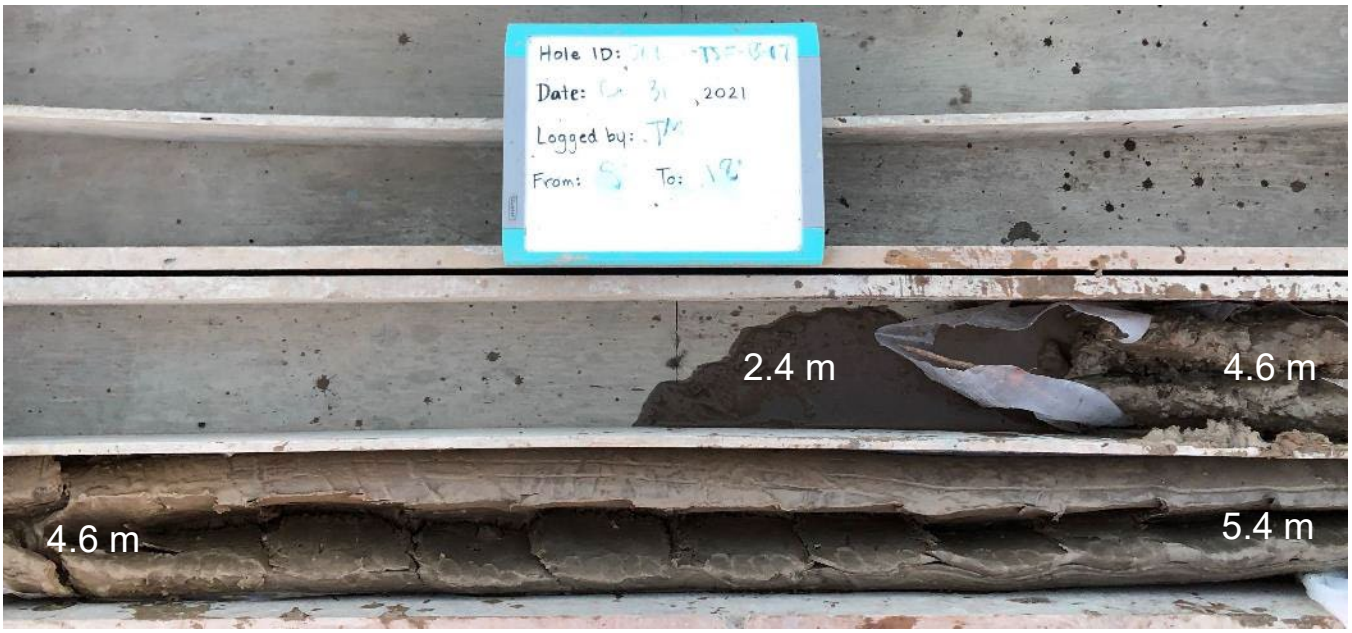
TSF-BH07

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.4

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 5.4 – 8.2



Depth (m): 8.2 – 10.7

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 10.7 – 12.8



Depth (m): 12.8 – 14.6

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 14.6 – 17.7

No Recovery

Depth (m): 17.7 – 20.7

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 20.7 – 23.8



Depth (m): 23.8 – 26.8

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 26.8 – 29.9



Depth (m): 29.9 -32.9

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 32.9 – 34.1



Depth (m): 34.1 – 39.0

Borehole ID: SRK21-TSF-BH-07
Location: Tailing Storage Facility



Depth (m): 39.0 – 42.1

Depth (m):

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-TSF-BH-07** **Depth (m): 39.0 – 42.1**		
Job No: CAPR000801		Date: Nov 1, 2021	Approved: ARB	Sheet: **8 of 8**

TSF-BH08

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 0.0 – 1.5



Depth (m): 1.5 – 3.0

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 3.0 – 4.6



Depth (m): 4.0 – 7.0

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 7.0 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 17.7 – 20.6



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 23.8 – 26.2



Depth (m): 26.2 – 29.9

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-TSF-BH-08
Location: Tailing Storage Facility



Depth (m): 36.0 – 39.0



Depth (m): 39.0 – 41.5

TSF-BH17

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH-17
Location: Tailing Storage Facility

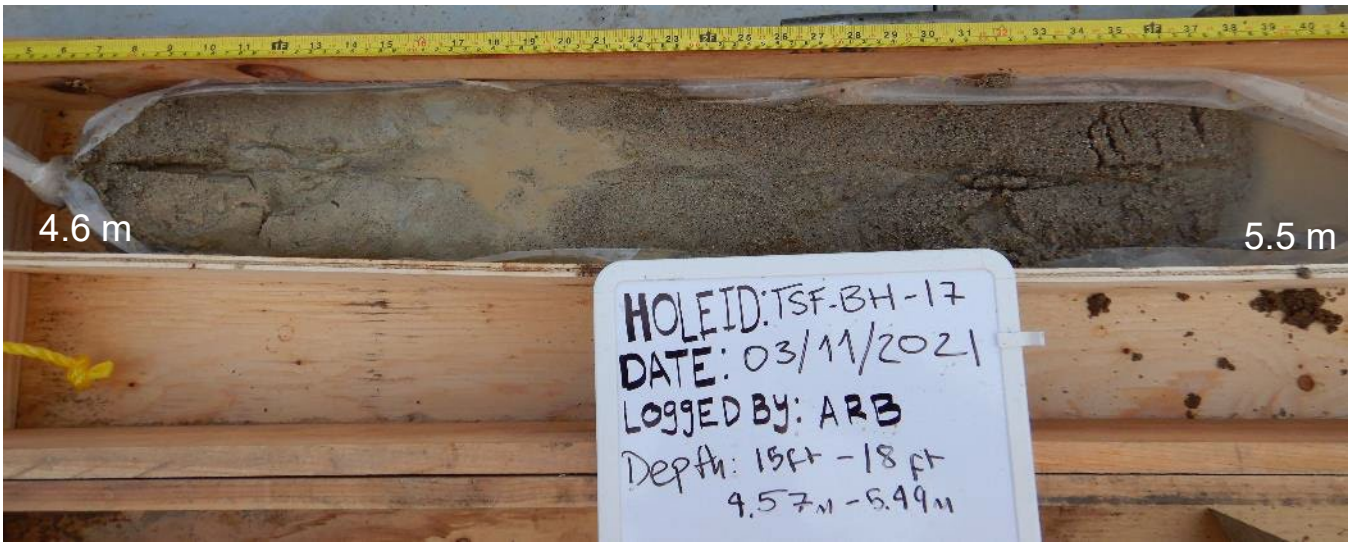


Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 4.6

Borehole ID: SRK21-TSF-BH-17
Location: Tailing Storage Facility



Depth (m): 4.6 – 5.5



Depth (m): 5.5 – 7.0

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 7.0 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 17.7 m – 19.2 m

No Recovery
Depth: 19.2 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 36.0 m – 42.1 m



Depth: 42.1 m – 43.6 m

Borehole ID: SRK21-TSF-BH17
Location: Tailings Storage Facility



Depth: 43.6 m – 48.2 m

TSF-BH18

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 4.0 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 4.0 m – 7.0 m



Depth: 7.0 m – 10.0 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 10.0 m – 13.1 m



Depth: 13.1 m – 14.6 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 14.6 m – 17.7 m



Depth: 17.7 m – 20.7 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 20.7 m – 23.8 m



Depth: 23.8 m – 26.8 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 26.8 m – 29.9 m



Depth: 29.9 m – 33.0 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 33.0 m – 36.0 m



Depth: 36.0 m – 39.0 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 39.0 m – 42.1 m



Depth: 42.1 m – 45.1 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility



Depth: 45.1 m – 48.2 m



Depth: 48.2 m – 50.3 m

Borehole ID: SRK21-TSF-BH18
Location: Tailings Storage Facility

No Recovery
Depth: 50.3 m – 59.9 m



Depth: 59.9 m – 62.8 m

TSF2-BH103

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.0 m

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility

No Recovery
Depth: 5.0m – 5.5 m

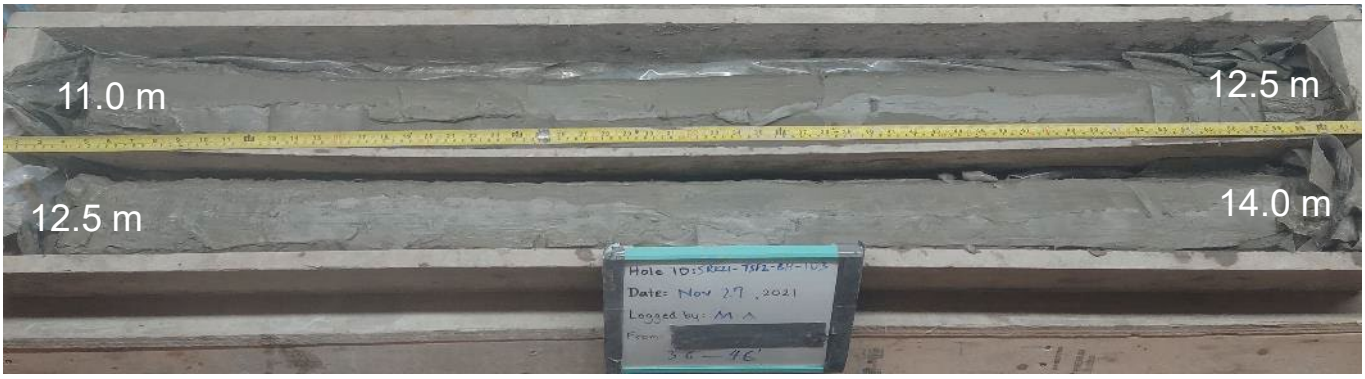


Depth: 5.5m – 7.9 m



Depth: 7.9 m – 11.0 m

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility



Depth: 11.0 m – 14.0 m



Depth: 14.0 m – 15.5 m

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility



Depth: 15.5 m – 18.6 m



Depth: 18.6 m – 21.6 m

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility



Depth: 21.6 m – 23.8 m



Depth: 23.8 m – 26.8 m

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility



Depth: 26.8 m – 29.9 m



Depth: 29.9 m – 32.9 m

Borehole ID: SRK21-TSF2-BH103
Location: Tailings Storage Facility



Depth: 32.9 m – 33.8 m



Depth: 33.8 m – 36.6 m

TSF2-BH102

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.4 m

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-TSF2-BH102** **Depth (m): 0.0 – 5.4**		
Job No: 2CC076.000		Date: Dec 2, 2021	Approved: ARB	Sheet: **1 of 8**

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 5.4 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility

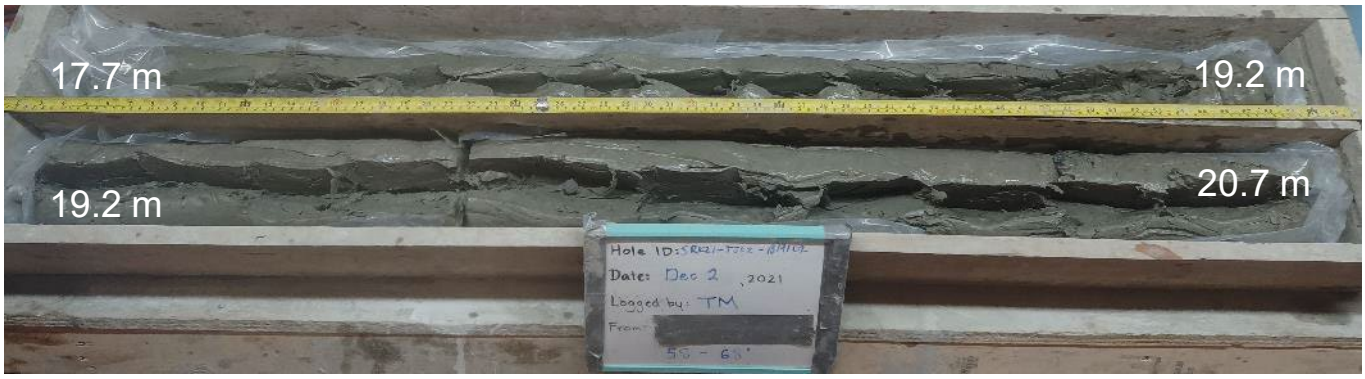


Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 36.0 m – 39.0 m



Depth: 39.0 m – 40.5 m

Borehole ID: SRK21-TSF2-BH102
Location: Tailings Storage Facility



Depth: 40.5 m – 42.1 m

TSF-BH01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH01
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH01
Location: Tailings Storage Facility



Depth: 5.5 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK22-TSF-BH01
Location: Tailings Storage Facility



Depth: 11.6 m – 13.4 m

NO recovery
Depth: 13.4 m – 16.5 m



Depth: 16.5 m – 18.3 m

Borehole ID: SRK22-TSF-BH01
Location: Tailings Storage Facility



Depth: 18.3 m – 20.7 m



Depth: 20.7 m – 21.6 m

Borehole ID: SRK22-TSF-BH01
Location: Tailings Storage Facility



Depth: 21.6 m – 24.7 m

TSF-BH01A

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m

NO recovery
Depth: 2.4 m – 5.5 m



Depth: 5.5 m – 6.4 m

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 6.4 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK22-TSF-BH01A
Location: Tailings Storage Facility



Depth: 36.0 m – 36.9 m



Depth: 36.9 m – 40.0 m

TSF-BH04

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH04
Location: Tailings Storage Facility



Depth: 0.0 m – 1.5 m



Depth: 1.5 m – 3.7 m

Borehole ID: SRK22-TSF-BH04
Location: Tailings Storage Facility



Depth: 3.7 m – 5.5 m

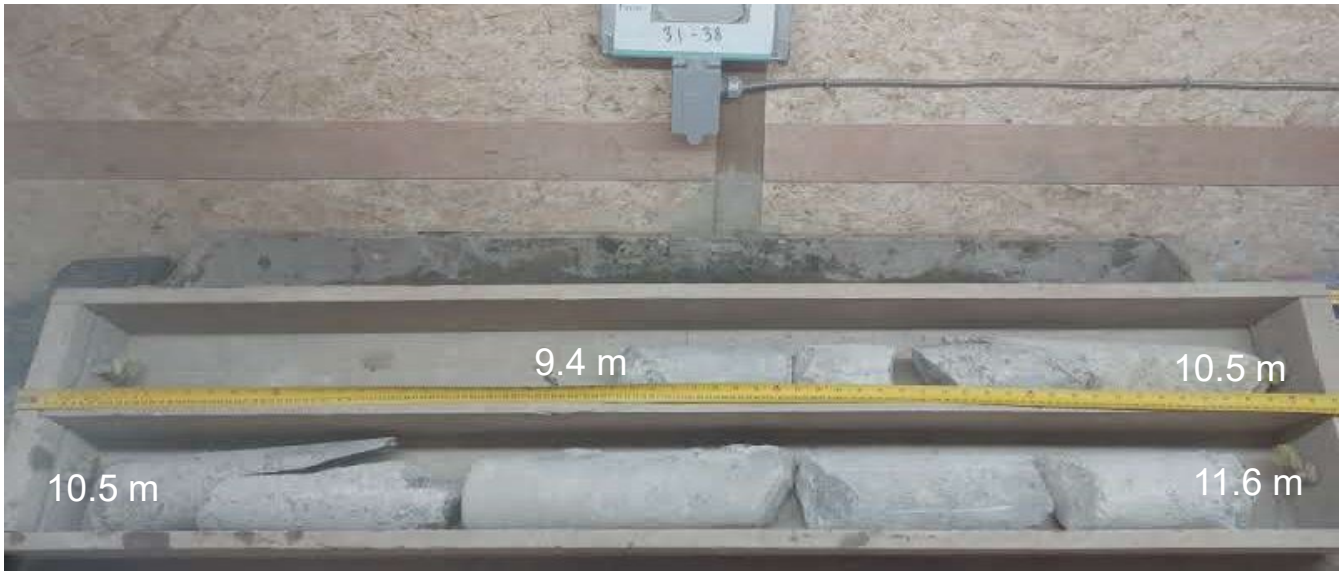


Depth: 5.5 m – 7.0 m

Borehole ID: SRK22-TSF-BH04
Location: Tailings Storage Facility



Depth: 7.0 m – 9.4 m



Depth: 9.4 m – 11.6 m

TSF-BH13

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility

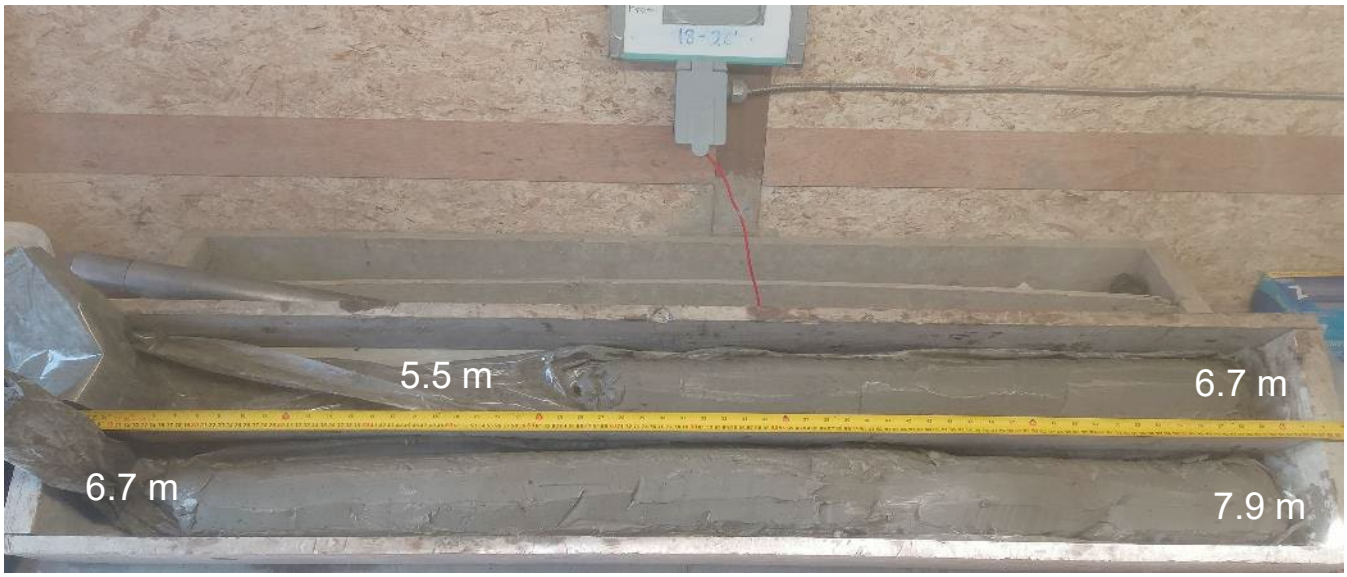


Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 5.5 m – 7.9 m



Depth: 7.9 m – 8.8 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 8.8 m – 10.7 m



Depth: 10.7 m – 12.5 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 12.5 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 36.0 m – 39.0 m



Depth: 39.0 m – 42.0 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 42.0 m – 45.1 m



Depth: 45.1 m – 48.2 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 48.2 m – 51.2 m



Depth: 51.2 m – 52.4 m

Borehole ID: SRK22-TSF-BH13
Location: Tailings Storage Facility



Depth: 52.4 m – 55.5 m

TSF-BH15

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility

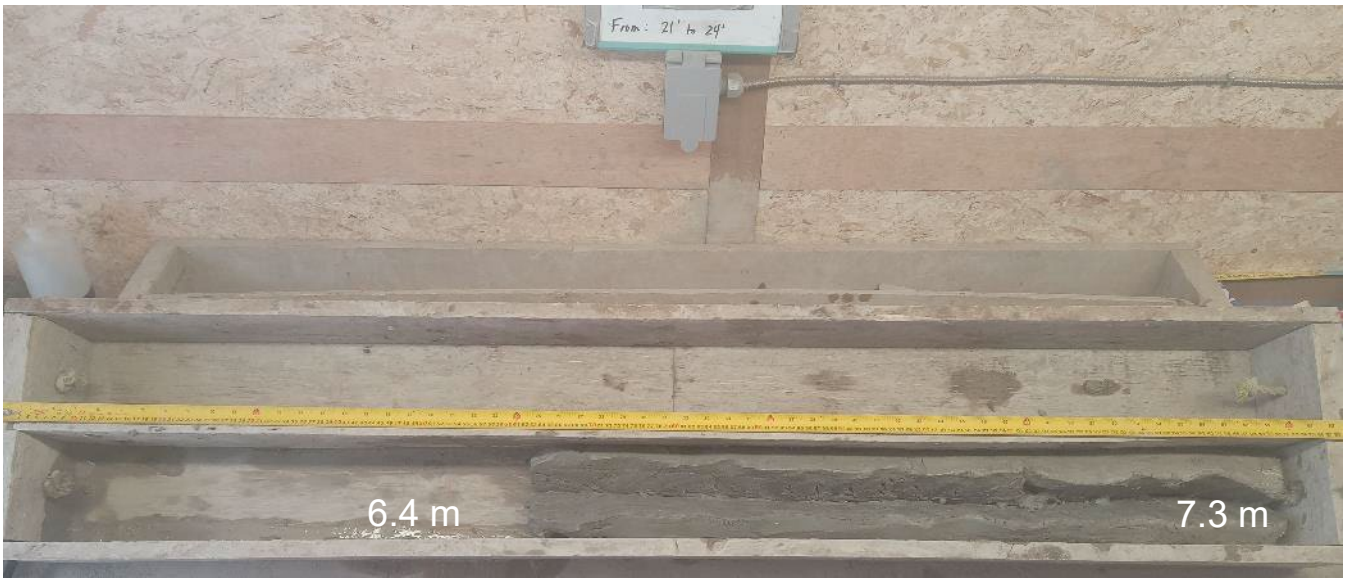


Depth: 2.4 m – 4.9 m



Depth: 4.9 m – 6.4 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 6.4 m – 7.3 m



Depth: 7.3 m – 10.4 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 10.4 m – 13.4 m



Depth: 13.4 m – 14.6 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 14.6 m – 17.7 m



Depth: 17.7 m – 20.7 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 20.7 m – 23.8 m



Depth: 23.8 m – 26.8 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 26.8 m – 29.9 m



Depth: 29.9 m – 32.9 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 32.9 m – 36.0 m



Depth: 36.0 m – 39.0 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 39.0 m – 40.5 m



Depth: 40.5 m – 43.6 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 43.6 m – 45.1 m



Depth: 45.1 m – 48.2 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 48.2 m – 51.2 m



Depth: 51.2 m – 54.3 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 54.3 m – 57.3 m



Depth: 57.3 m – 60.4 m

Borehole ID: SRK22-TSF-BH15
Location: Tailings Storage Facility



Depth: 60.4 m – 62.8 m



Depth: 62.8 m – 66.1 m

TSF-BH25

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 0.0 m – 0.6 m



Depth: 0.6 m – 2.4 m

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK22-TSF-BH25** **Depth (m): 0.0 – 2.4**
Job No: 2CC076.000		Date: Jan, 2021 / Approved: ARB / Sheet: **1 of 1**

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 2.4 m – 5.5 m



Depth: 5.5 m – 8.5 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 8.5 m – 11.6 m



Depth: 11.6 m – 14.6 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 14.6 m – 17.7 m



Depth: 17.7 m – 20.7 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 20.7 m – 23.8 m



Depth: 23.8 m – 26.8 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 26.8 m – 29.9 m



Depth: 29.9 m – 32.9 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 32.9 m – 36.0 m



Depth: 36.0 m – 38.1 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 38.1 m – 39.6 m



Depth: 39.6 m – 42.7 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 42.7 m – 45.7 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 45.7 m – 48.8 m



Depth: 48.8 m – 51.2 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 51.2 m – 54.3 m



Depth: 54.3 m – 57.3 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 57.3 m – 60.0 m



Depth: 60.0 m – 64.6 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 64.6 m – 66.4 m



Depth: 66.4 m – 69.2 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 69.2 m – 72.5 m



Depth: 72.5 m – 73.8 m

Borehole ID: SRK22-TSF-BH25
Location: Tailings Storage Facility



Depth: 73.8 m – 83.5 m

No Recovery
Depth: 83.5 m – 86.6 m

TSF-BH27

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH27
Location: Tailings Storage Facility



Depth: 0.0 m – 2.3 m



Depth: 2.3 m – 5.3 m

Borehole ID: SRK22-TSF-BH27
Location: Tailings Storage Facility



Depth: 5.3 m – 7.6 m



Depth: 7.6 m –11.6 m

Borehole ID: SRK22-TSF-BH27
Location: Tailings Storage Facility

NO PHOTO taken here
Depth: 11.6 m – 14.0 m



Depth: 14.0 m – 16.5 m



Depth: 16.5 m –18.0 m

Borehole ID: SRK22-TSF-BH27
Location: Tailings Storage Facility



Depth: 18.0 m – 21.0 m



Depth: 21.0 m –24.1 m

Borehole ID: SRK22-TSF-BH-27
Location: Tailing Storage Facility



Depth: 24.1 m – 27.1 m



Depth: 27.1 m – 30.2 m

Depth (m): 27.1 – 30.2

Borehole ID: SRK22-TSF-BH-27
Location: Tailing Storage Facility



Depth: 30.2 m – 33.2 m



Depth: 33.2 m – 36.3 m

Borehole ID: SRK22-TSF-BH-27
Location: Tailing Storage Facility



Depth: 36.3 m – 39.3 m

TSF-BH23

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 0.0 m – 2.1 m



Depth: 2.1 m –3.7 m

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 3.7 m – 5.2 m



Depth: 5.2 m – 6.1 m

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 6.1 m – 9.1 m



Depth: 9.1 m – 12.2 m

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 12.2 m – 15.2 m



Depth: 15.2 m – 18.3 m

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 17.4 m – 20.4 m



Depth: 20.4 m – 23.5 m

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 23.5 m – 26.5 m



Depth: 26.5 m – 29.6 m

Borehole ID: SRK22-TSF-BH23
Location: Tailings Storage Facility



Depth: 29.6 m – 32.6 m



Depth: 32.6 m – 35.7 m

TSF-BH05

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility



Depth: 0.0 m – 1.2 m



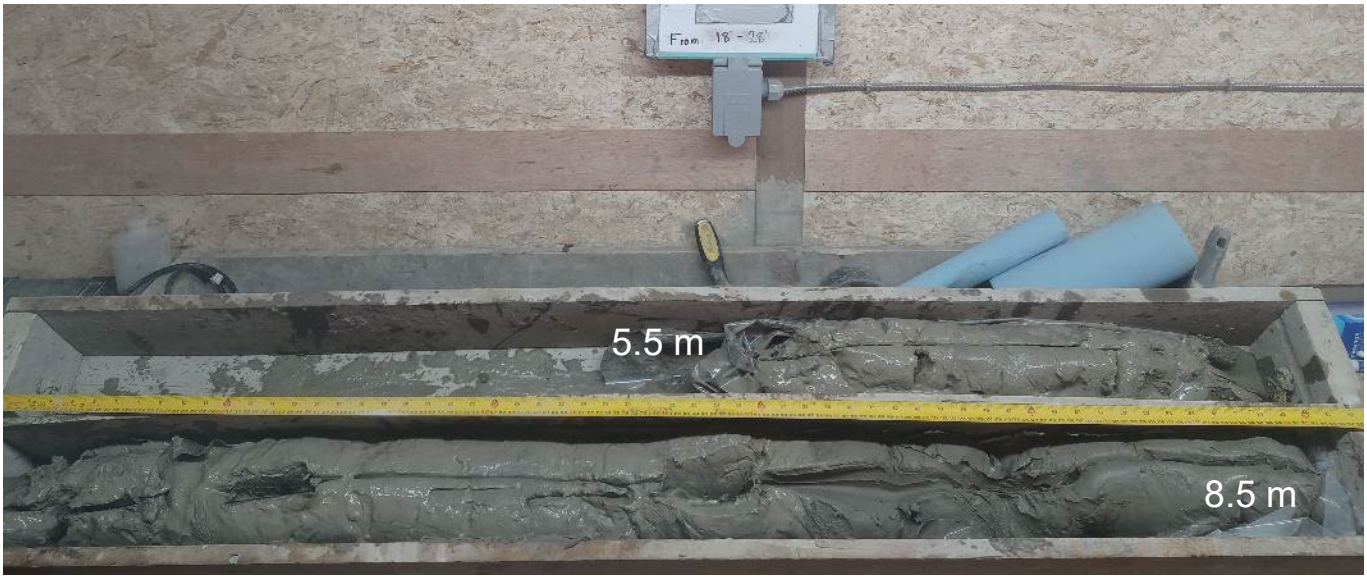
Depth: 1.2 m – 2.4 m

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility



Depth: 2.4 m – 4.0 m

No Recovery
Depth: 4.0 m – 5.5 m



Depth: 5.5 m – 8.5 m

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility



Depth: 8.5 m – 11.6 m

NO recovery
Depth: 11.6 m – 13.7 m



Depth: 13.7 m – 16.8 m

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility



Depth: 16.8 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility

Photo Not Taken
Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m



Depth: 36.0 m – 39.0 m

Borehole ID: SRK22-TSF-BH05
Location: Tailings Storage Facility



Depth: 39.0 m – 42.1 m

TSF-BH06

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 4.0 m

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility



Depth: 4.0 m – 5.5 m



Depth: 5.5 m – 8.5 m

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility



Depth: 8.5 m – 11.6 m



Depth: 11.6 m – 14.6 m

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility



Depth: 14.6 m – 17.7 m



Depth: 17.7 m – 20.7 m

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility



Depth: 20.7 m – 23.8 m



Depth: 23.8 m – 25.3 m

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility

NO Recovery
Depth: 25.3 m – 26.8 m



Depth: 26.8 m – 28.3 m



Depth: 28.3 m – 29.9 m

Borehole ID: SRK22-TSF-BH06
Location: Tailings Storage Facility



Depth: 29.9 m – 32.6 m



Depth: 32.6 m – 35.4 m

TSF-BH11

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report		
Job No: CAPR000801		Date:	Approved:	Sheet:

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 5.5 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 35.1 m

Borehole ID: SRK22-TSF-BH11
Location: Tailings Storage Facility



Depth: 35.1 m – 38.1 m

TSF-BH28

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH28
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.1 m – 5.2 m

Borehole ID: SRK22-TSF-BH28
Location: Tailings Storage Facility



Depth: 5.2 m – 8.2 m

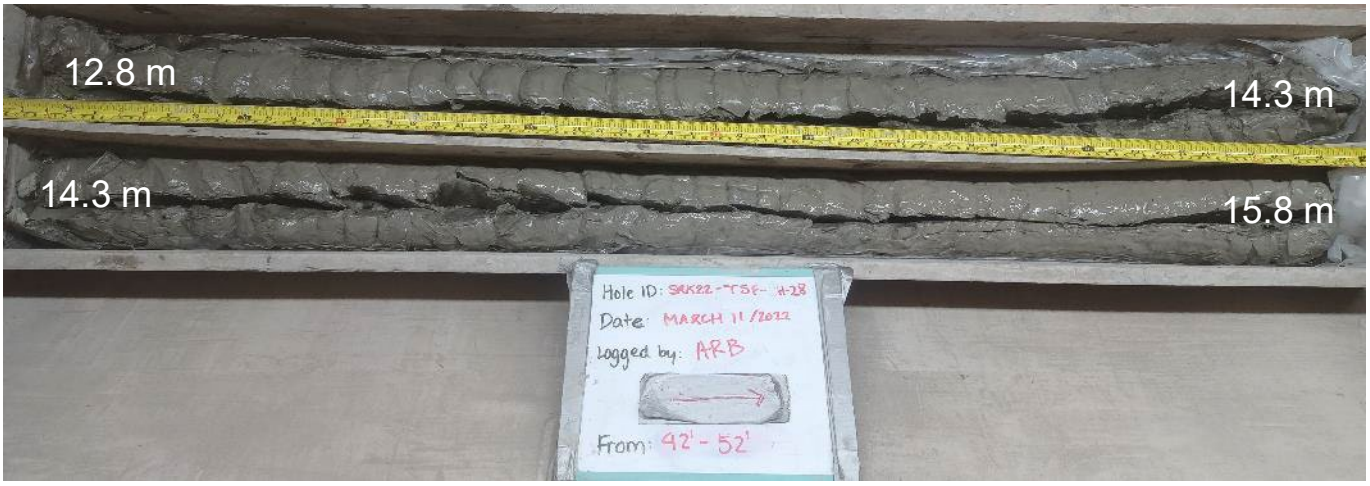


Depth: 8.2 m – 9.8 m

Borehole ID: SRK22-TSF-BH28
Location: Tailings Storage Facility



Depth: 9.8 m – 12.8 m

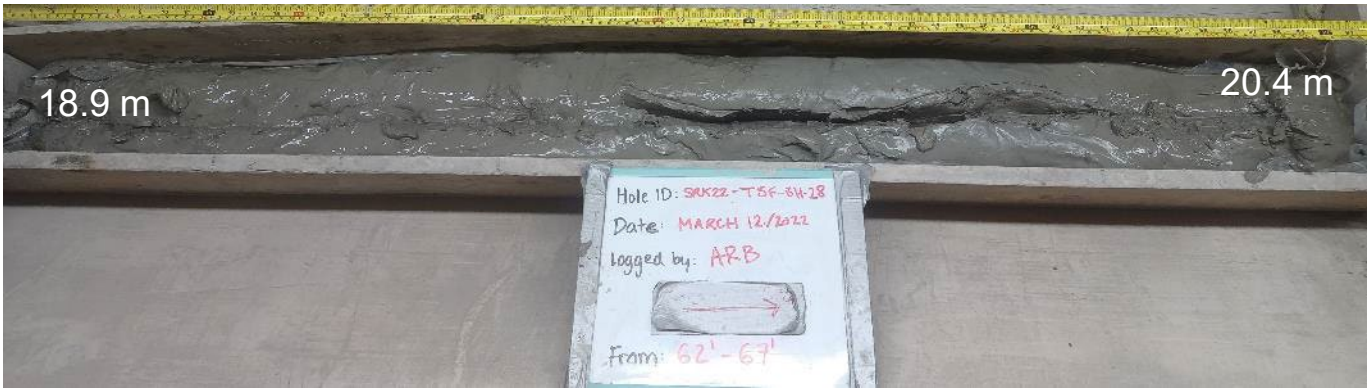


Depth: 12.8 m – 15.8 m

Borehole ID: SRK22-TSF-BH28
Location: Tailings Storage Facility



Depth: 15.8 m – 18.9 m



Depth: 18.9 m – 20.4 m

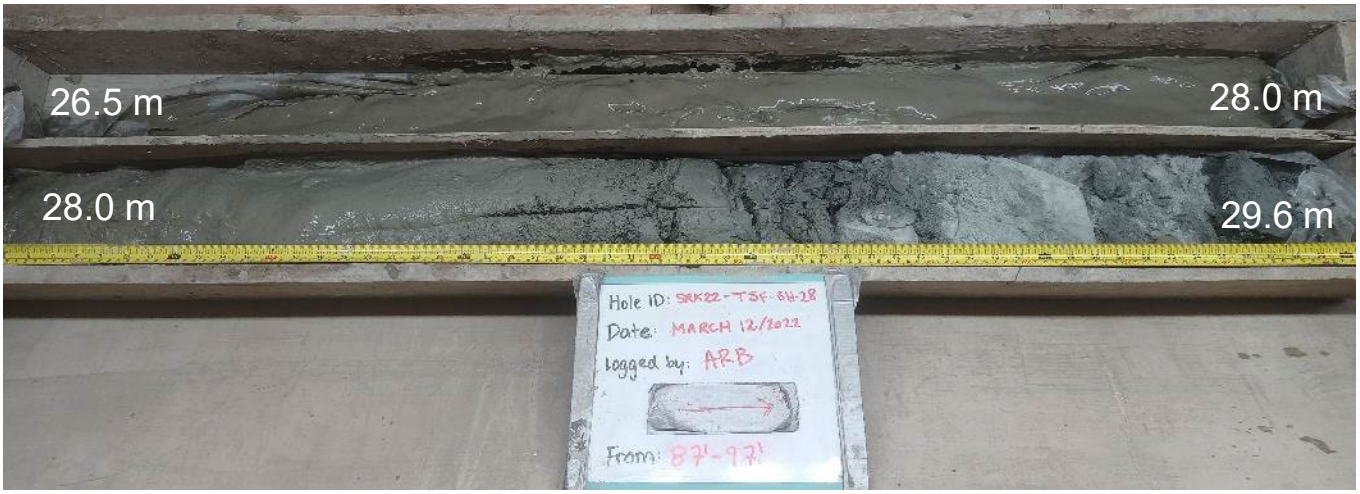


Depth: 20.4 m – 23.5 m

Borehole ID: SRK22-TSF-BH28
Location: Tailings Storage Facility



Depth: 23.5 m – 26.5 m



Depth: 26.5 m – 29.6 m

Borehole ID: SRK22-TSF-BH28
Location: Tailings Storage Facility



Depth: 29.6 m – 32.6 m

TSF-BH26

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 4.0 m

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK22-TSF-BH26** **Depth (m): 0.0 – 4.0**		
Job No: 2CC076.000		Date: Mar, 2022	Approved: ARB	Sheet: **1 of 11**

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 4.0 m – 5.5 m



Depth: 5.5 m – 8.5 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 8.5 m – 10.1 m



Depth: 10.1 m – 11.6 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 32.9 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 32.9 m – 36.0 m



Depth: 36.0 m – 39.0 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 39.0 m – 42.1 m



Depth: 42.1 m – 45.1 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 45.1 m – 46.6 m



Depth: 46.6 m – 48.8 m

Borehole ID: SRK22-TSF-BH26
Location: Tailings Storage Facility



Depth: 48.8 m – 51.8 m

No photo
Depth: 51.8 m – 53.9 m



Depth: 53.9 m – 54.3 m

Borehole ID: SRK22-TSF-BH-26
Location: Tailing Storage Facility



Depth: 54.3 m – 57.3 m

TSF-BH31

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 5.5 m – 7.9 m



Depth:7.9m – 10.4 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 10.4 m – 13.4 m



Depth: 13.4 m – 15.5 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 15.5 m – 17.7 m



Depth: 17.7 m – 20.7 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 20.7 m – 23.8 m



Depth: 23.8 m – 26.8 m

No Recovery
Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH-31
Location: Tailing Storage Facility



Depth: 29.9 m – 32.9 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 32.9 m – 36.0 m

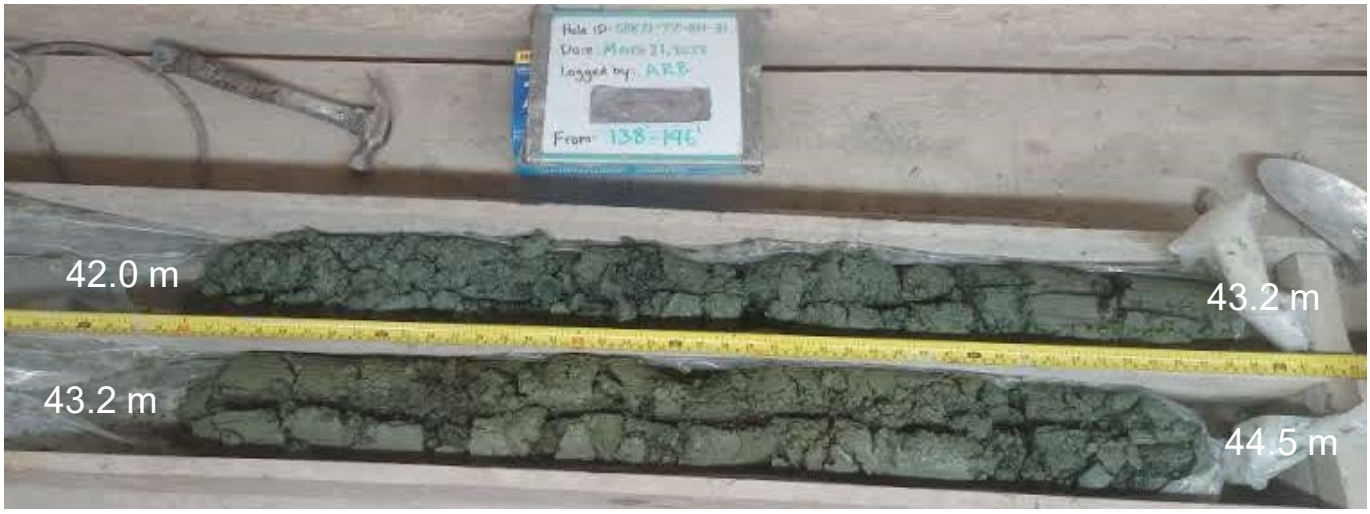


Depth: 36.0 m – 39.0 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility

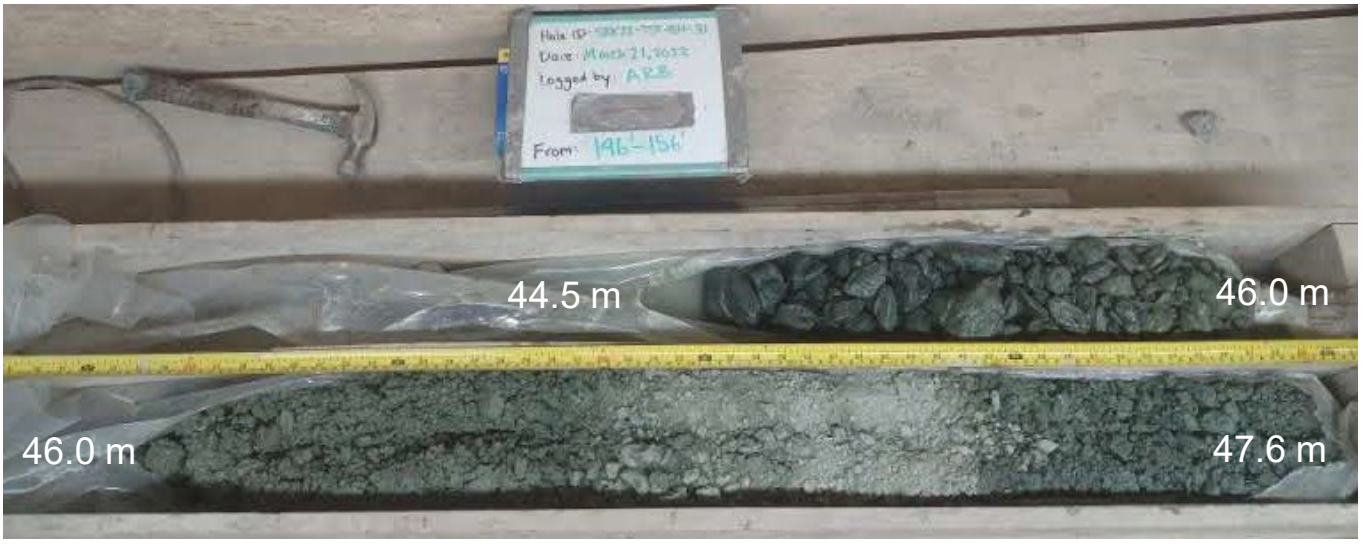


Depth: 39.0 m – 42.0 m



Depth: 42.0 m – 44.5 m

Borehole ID: SRK22-TSF-BH31
Location: Tailings Storage Facility



Depth: 44.5 m – 47.6 m

TSF-BH22

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 5.5 m – 7.0 m



Depth: 7.0 m – 8.5 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 8.5 m – 11.6 m



Depth: 11.6 m – 14.6 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 14.6 m – 16.2 m



Depth: 16.2 m – 19.2 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 19.2 m – 22.3 m



Depth: 22.3 m – 25.3 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 25.3 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK22-TSF-BH22
Location: Tailings Storage Facility



Depth: 36.0 m – 38.4 m



Depth: 38.4 m – 42.1 m

TSF-BH16

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 5.5 m – 7.0 m



Depth: 7.0 m – 10.1 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 10.1 m – 13.1 m



Depth: 13.1 m – 16.2 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 16.2 m – 19.2 m



Depth: 19.2 m – 20.7 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility

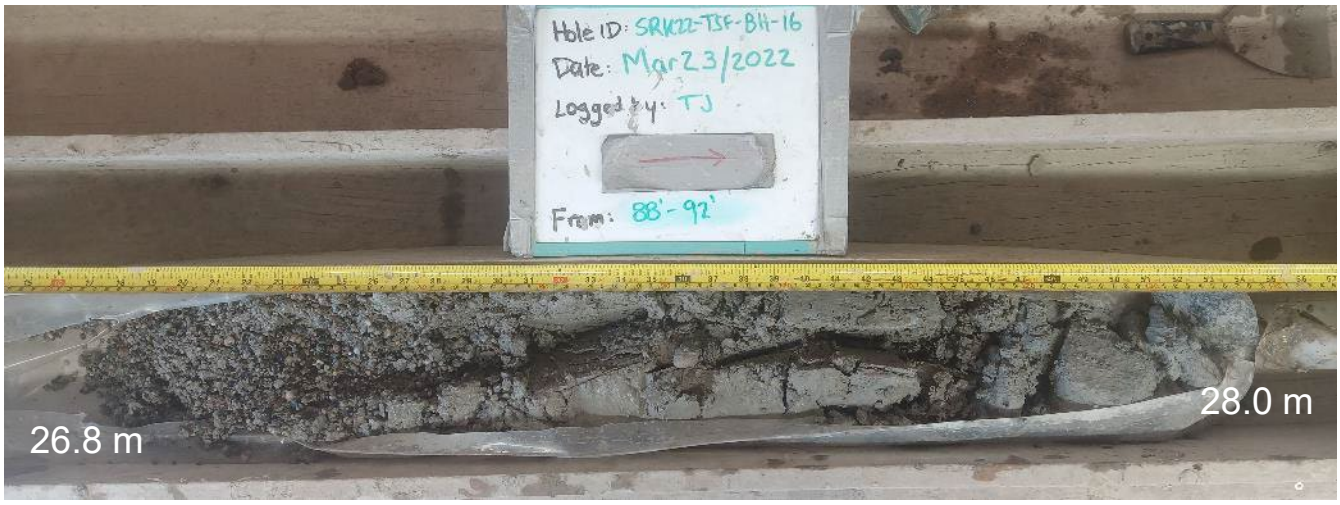


Depth: 20.7 m – 23.8 m

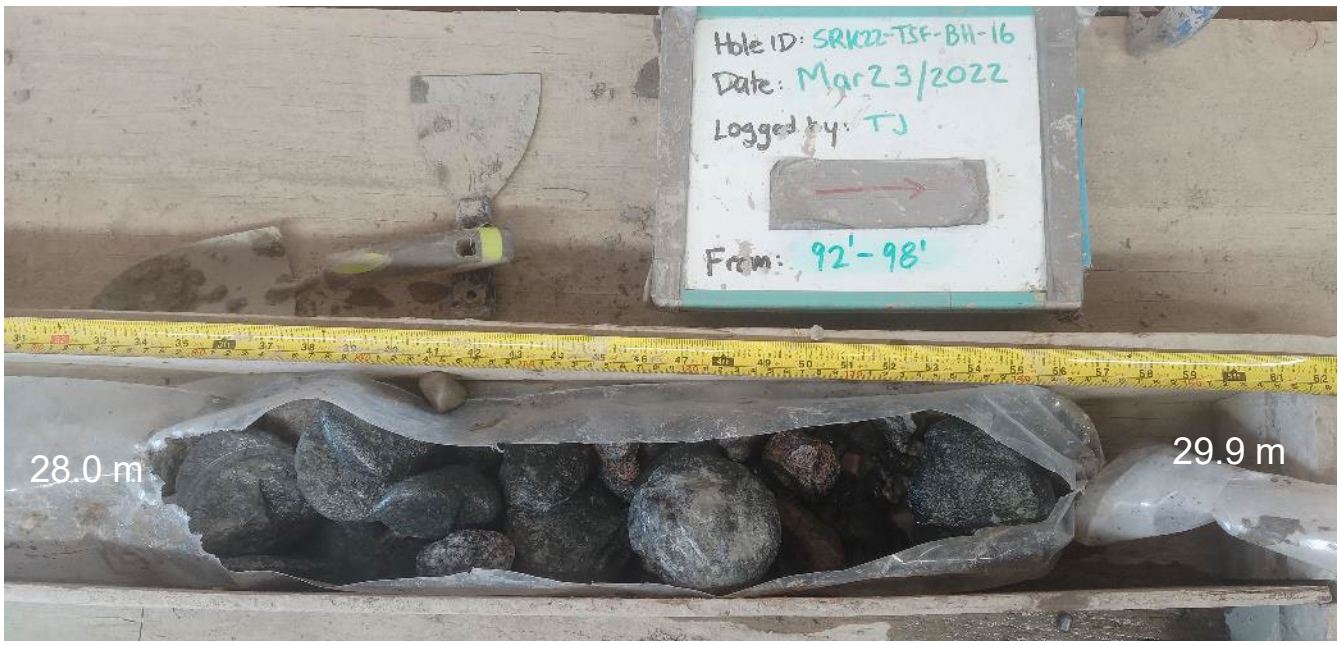


Depth: 23.8 m – 26.8 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 26.8 m – 28.0 m



Depth: 28.0 m – 29.9 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK22-TSF-BH16
Location: Tailings Storage Facility



Depth: 36.0 m – 37.2 m



Depth: 37.2 m – 39.0 m

TSF-BH32

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 5.5 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 23.8 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 23.8 m – 26.8 m



Depth: 26.8 m – 29.9 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 29.9 m – 32.9 m



Depth: 32.9 m – 36.0 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 36.0 m – 39.0 m



Depth: 39.0 m – 42.0 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 42.0 m – 45.1 m



Depth: 45.1 m – 46.0 m

Borehole ID: SRK22-TSF-BH32
Location: Tailings Storage Facility



Depth: 46.0 m – 48.2 m



Depth: 48.2 m – 51.2 m

TSF-BH34

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH34
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m



Depth: 2.4 m – 5.5 m

Borehole ID: SRK22-TSF-BH34
Location: Tailings Storage Facility



Depth: 5.5 m – 8.5 m



Depth: 8.5 m – 11.6 m

Borehole ID: SRK22-TSF-BH34
Location: Tailings Storage Facility



Depth: 11.6 m – 14.6 m



Depth: 14.6 m – 17.7 m

Borehole ID: SRK22-TSF-BH34
Location: Tailings Storage Facility



Depth: 17.7 m – 20.7 m



Depth: 20.7 m – 22.9 m

Borehole ID: SRK22-TSF-BH34
Location: Tailings Storage Facility



Depth: 22.9 m – 24.7 m

TSF-BH30

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-TSF-BH30
Location: Tailings Storage Facility



Depth: 0.0 m – 2.4 m

No Recovery
Depth: 2.4 m – 3.0 m



Depth: 3.0 m – 5.2 m

Borehole ID: SRK22-TSF-BH30
Location: Tailings Storage Facility



Depth: 5.2 m – 6.7 m



Depth: 6.7 m – 8.2 m

Borehole ID: SRK22-TSF-BH30
Location: Tailings Storage Facility



Depth: 8.2 m – 10.7 m



Depth: 10.7 m – 12.2 m

Borehole ID: SRK22-TSF-BH30
Location: Tailings Storage Facility



Depth: 12.2 m – 14.3 m



Depth: 14.3 m – 17.4 m

Borehole ID: SRK22-TSF-BH30
Location: Tailings Storage Facility



Depth: 17.4 m – 20.4 m



Depth: 20.4 m – 23.5 m

Borehole ID: SRK22-TSF-BH30
Location: Tailings Storage Facility



Depth: 23.5 m – 24.4 m



Depth: 24.4 m – 26.5 m

WOS-BH01

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile

No Recovery

Depth (m): 0.0 – 1.8



Depth (m): 1.8 – 2.1

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile



Depth (m): 2.1 – 5.2



Depth (m): 5.2 – 11.3

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile



Depth (m): 11.3 – 17.4



Depth (m): 17.4 – 20.7

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile



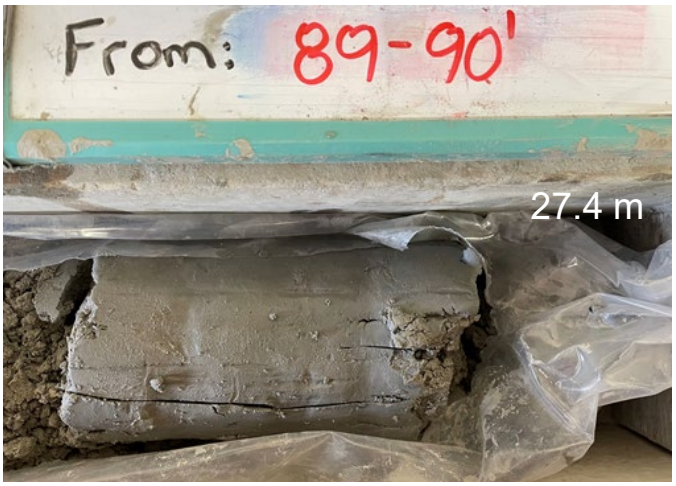
Depth (m): 20.7 – 22.3



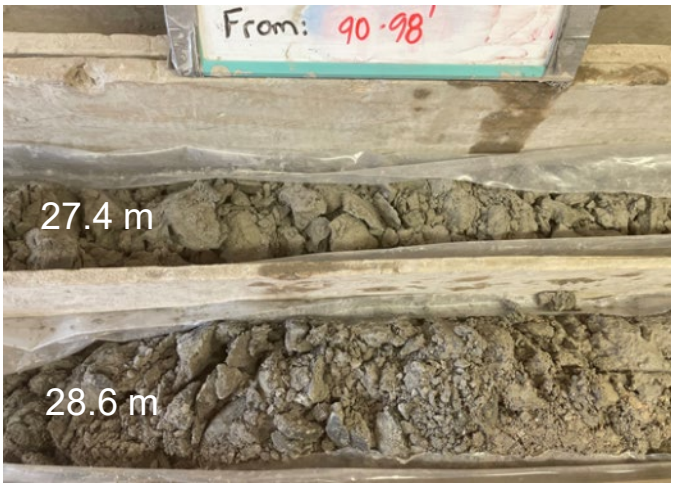
Depth (m): 22.3 – 26.8

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile





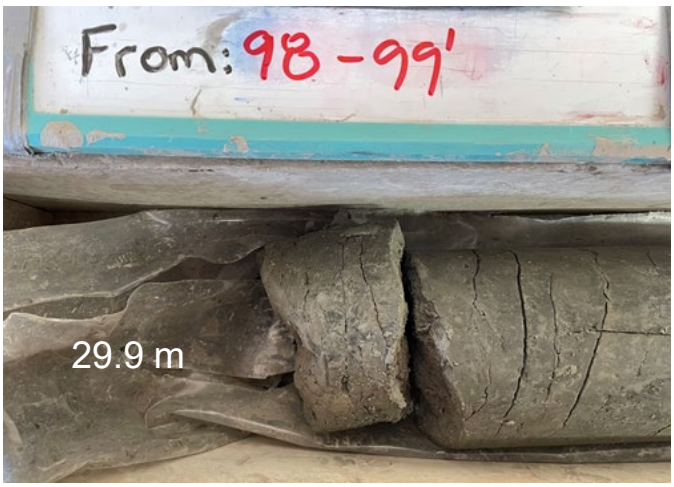
Depth (m): 26.8 – 27.4





Depth (m): 27.4 – 29.9

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile





Depth (m): 29.9 – 30.5

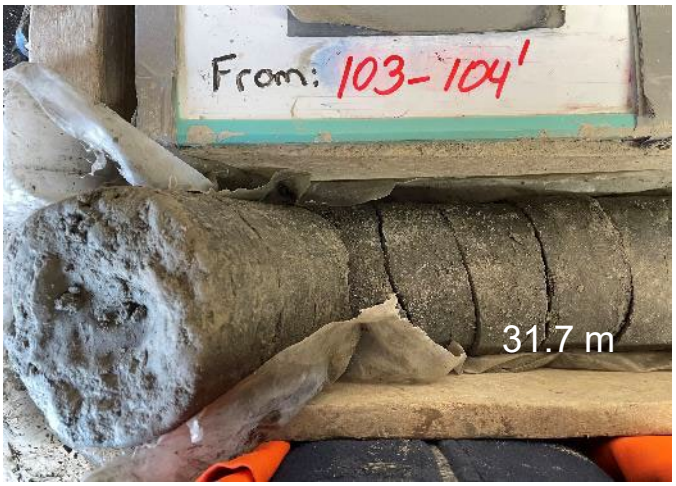




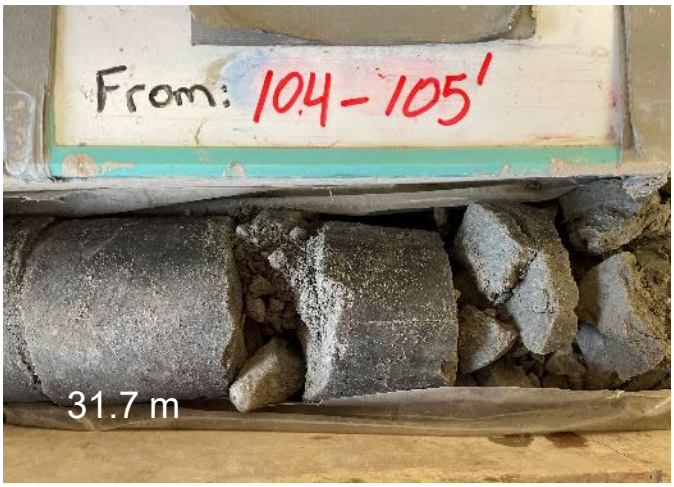
Depth (m): 30.5 – 31.1

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile





Depth (m): 31.1 – 31.7





Depth (m): 31.7 – 32.3

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile

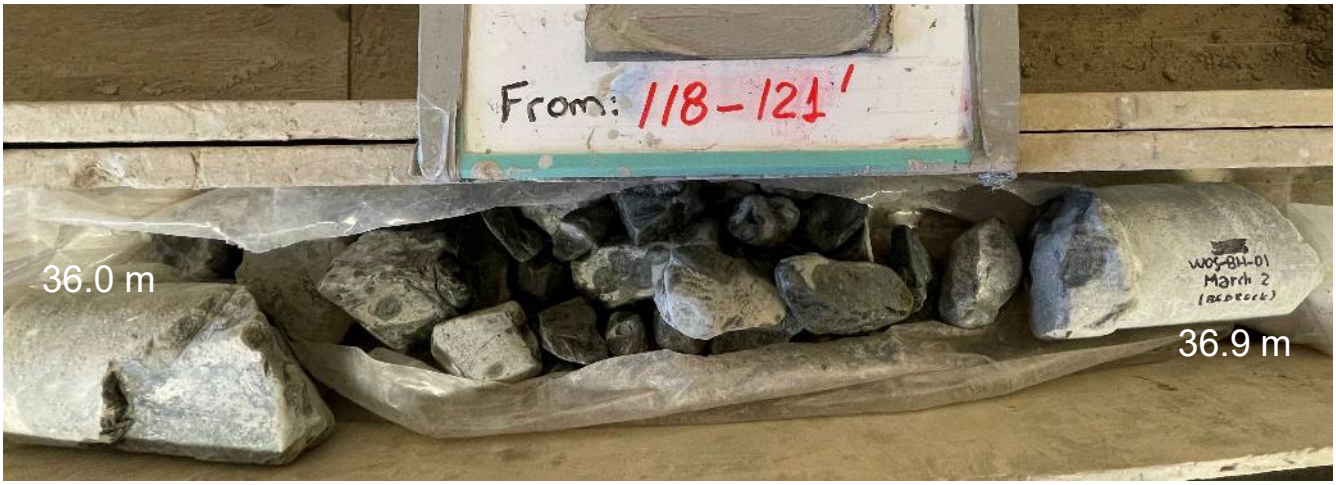


Depth (m): 32.3 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK22-WOS-BH-01
Location: South Overburden Stockpile



Depth (m): 36.0 – 36.9

WRD-BH-06

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 0.0 – 2.4



Depth (m): 2.4 – 5.4

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 5.4 – 8.5



Depth (m): 8.5 – 11.6

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK21-WRD-BH-06
Location: Waste Rock Dump



Depth (m): 36.0 – 39.0



Depth (m): 39.0 - 42.1

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report **SRK21-WRD-BH-06** **Depth (m): 36.0 – 42.1**
Job No: CAPR000801		Date: Dec 9, 2021 / Approved: ARB / Sheet: **7 of 7**

WRD-BH-07

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 0.0 – 2.1



Depth (m): 2.1 – 3.7

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 3.7 – 5.2



Depth (m): 5.2 – 8.2

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 8.2 – 11.3



Depth (m): 11.3 – 14.3

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump

No Recovery

Depth (m): 14.3 – 23.7



Depth (m): 23.7 – 25.9

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 25.9 – 29.0



Depth (m): 29.0 – 29.6

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 29.6 – 32.6



Depth (m): 32.6 – 35.7

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 35.7 – 38.7



Depth (m): 38.7 – 41.8

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 41.8 – 44.8



Depth (m): 44.8 – 47.9

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 47.9 – 50.3



Depth (m): 50.3 – 53.3

Borehole ID: SRK22-WRD-BH-07
Location: Waste Rock Dump



Depth (m): 53.3 – 54.9



Depth (m): 54.9 – 57.0

WRD-BH-16

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-WRD-BH-16
Location: Waste Rock Dump



Depth (m): 0.0 – 2.1



Depth (m): 2.1 – 5.2

Borehole ID: SRK22-WRD-BH-16
Location: Waste Rock Dump



Depth (m): 5.2 – 8.2



Depth (m): 8.2 – 11.3

Borehole ID: SRK22-WRD-BH-16
Location: Waste Rock Dump



Depth (m): 11.3 – 14.3



Depth (m): 14.3 – 17.4

Borehole ID: SRK22-WRD-BH-16
Location: Waste Rock Dump



Depth (m): 17.4 – 19.8



Depth (m): 19.8 – 22.9

WRD-BH-17

srk consulting	CANADA NICKEL COMPANY	Crawford Overburden Geotechnical Investigation Factual Report
Job No: CAPR000801		Date: / Approved: / Sheet:

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 0.0 – 2.4

No Recovery

Depth (m): 2.4 – 5.5

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 5.5 – 8.5

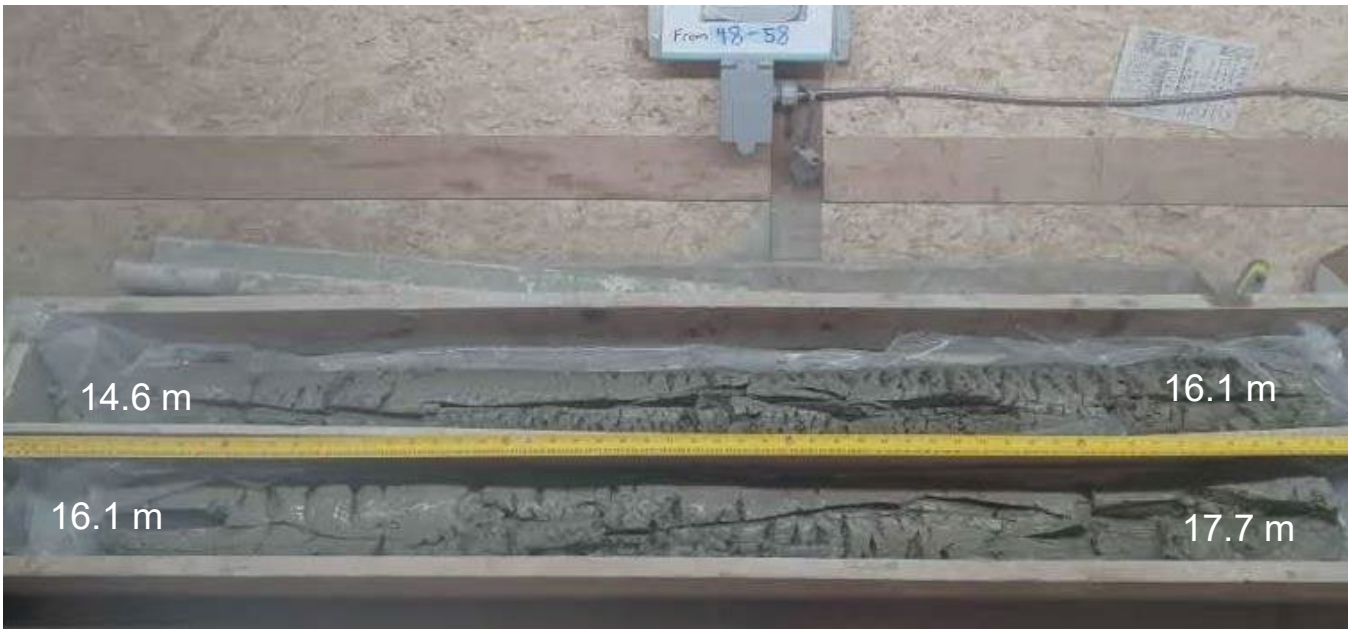


Depth (m): 8.5 – 11.6

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 11.6 – 14.6



Depth (m): 14.6 – 17.7

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 17.7 – 20.7



Depth (m): 20.7 – 23.8

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 23.8 – 26.8



Depth (m): 26.8 – 29.9

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 29.9 – 32.9



Depth (m): 32.9 – 36.0

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 36.0 – 39.0



Depth (m): 39.0 - 41.2

Borehole ID: SRK22-WRD-BH-17
Location: Waste Rock Dump



Depth (m): 41.2 – 43.3



Depth (m): 43.3 – 44.8

Appendix C Test Pit Logs

srk consulting

DRILLHOLE ID:	**SRK21-OP-TP-01**	**DRILLING DATE:**	12-Nov-21 **TO:** 12-Nov-21
LOCATION:	Crawford	**COORDINATES:**	5408996 E 476741.6 N
PROJECT NO:	CAPR000801	**DATUM:**	NAD83_17N
EQUIPMENT:	CAT 320	**TOTAL DEPTH (m):**	3.75
EXCAVATION WIDTH (m):	1.13		
CONTRACTOR:	Canada Nickel Corporation		
LOGGED BY:	Matthew Armoh		

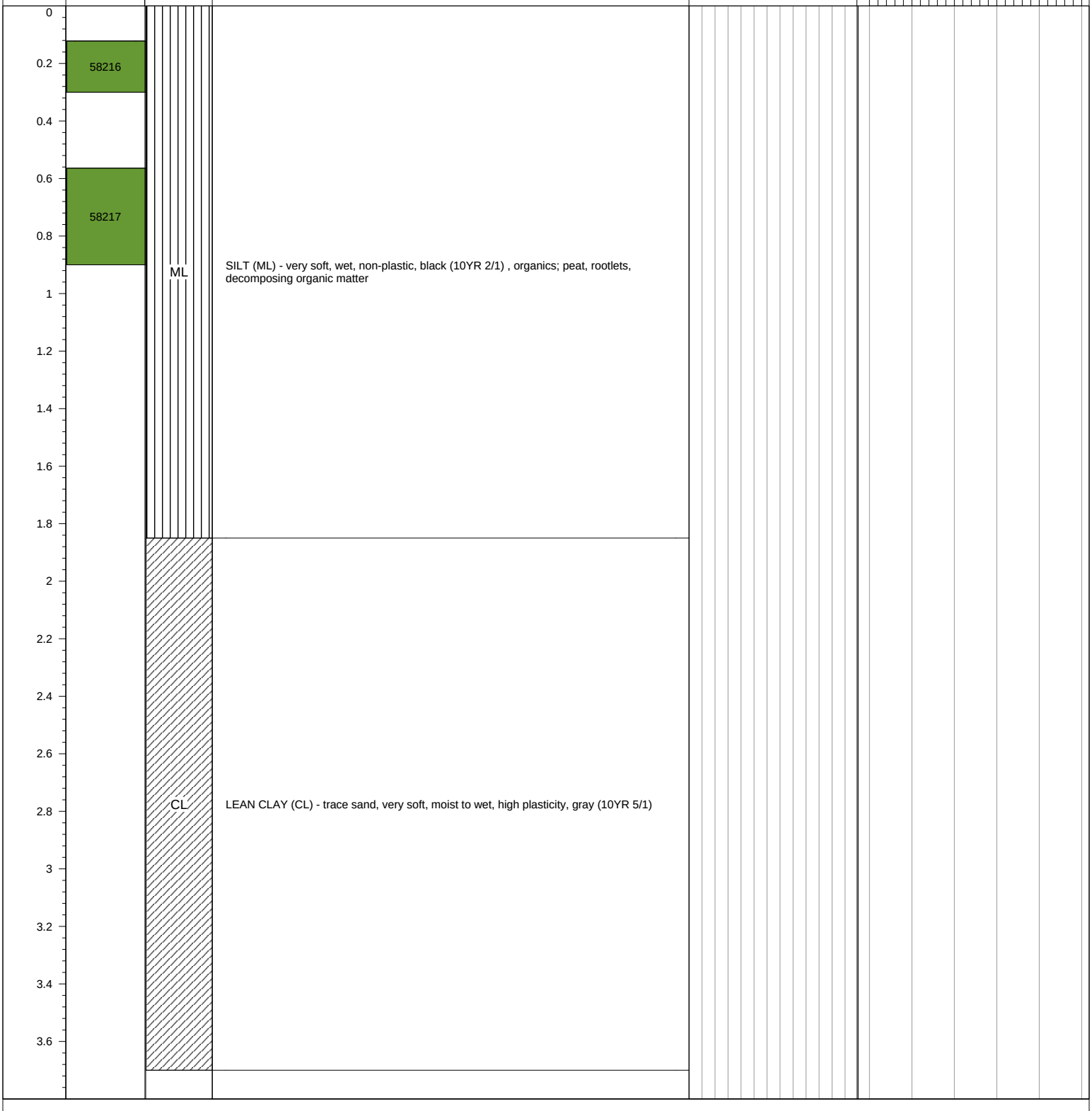
PROJECT: Crawford Site Investigation

CLIENT: Canada Nickel Corporation

DRAFT

Well-Graded Gravels; Poorly-Graded Gravels; Silty Gravels; Clayey Gravels; Well-Graded Sands; Poorly-Graded Sands; Silty Sands; Clayey Sands; Silts; Lean Clays; Organic Silts/Organic Clays (OH); Elastic Silts; Fat Clays; Organic Silts/Organic Clays (OL); Organic soil

Grab; Shelby; SPT



srk consulting

DRILLHOLE ID: SRK21-OP-TP-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1.13
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Tess Jakubec

DRILLING DATE: 19-Oct-21 **TO:** 19-Oct-21
COORDINATES: 5409962 E 472980.9 N
DATUM: NAD83_17N
TOTAL DEPTH (m): 4.75

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

DRAFT

Well-Graded Gravels | Clayey Gravels | Silty Sands | Lean Clays | Fat Clays
Poorly-Graded Gravels | Well-Graded Sands | Clayey Sands | Organic Silts/Organic Clays (OH) | Organic Silts/Organic Clays (OL)
Silty Gravels | Poorly-Graded Sands | Silts | Elastic Silts | Organic soil

Grab | Shelby | SPT

Depth (m)	Sample No.	USCS	Soil Description
0 – 0.4	58205	PT	ORGANIC SOIL (PT) - Roots
0.4 – 1.2	58206	CL	LEAN CLAY (CL) - trace sand, stiff, moist, high plasticity, gray (N 5/) faint layering/mottle of light (medium plasticity) and dark gray clay
1.2 – 2	58207	CL	LEAN CLAY (CL) - trace sand, trace gravel, hard, moist, high plasticity, gray (7.5YR 5/1); colour type brownish gray
2 – 2.8	58208	ML	SILT (ML) - very stiff, moist to wet, non-plastic, gray (N 6/)
2.8 – 4.4	58209	CL	LEAN CLAY (CL) - trace sand, trace gravel, very soft, moist to wet, high plasticity, gray (N 5/)
4.4 – 4.8	58210		

Pocket Penetrometer (kg/cm²): 0 10 20 30 40 50 60 70 80 90 100 110 120 130

PSD
Gravel / Sand / Silt / Clay (%)
Moisture Content (%) | Plastic Limit | Liquid Limit
0 20 40 60 80 100

srk consulting

DRILLHOLE ID:	**SRK21-OP-TP-05**	**DRILLING DATE:**	15-Nov-21 **TO:** 15-Nov-21
LOCATION:	Crawford	**COORDINATES:**	5408133 E 474473.3 N
PROJECT NO:	CAPR000801	**DATUM:**	NAD83_17N
EQUIPMENT:	CAT 320	**TOTAL DEPTH (m):**	5.8
EXCAVATION WIDTH (m):	1.13		
CONTRACTOR:	Canada Nickel Corporation		
LOGGED BY:	Matthew Armoh		

PROJECT: Crawford Site Investigation

CLIENT: Canada Nickel Corporation

DRAFT

Well-Graded Gravels; Poorly-Graded Gravels; Silty Gravels; Clayey Gravels; Well-Graded Sands; Poorly-Graded Sands; Silty Sands; Clayey Sands; Silts; Lean Clays; Organic Silts/Organic Clays (OH); Elastic Silts; Fat Clays; Organic Silts/Organic Clays (OL); Organic soil

Grab; Shelby; SPT

Depth (m)	Sample No.	USCS	Soil Description
0 – 0.4	58220	ML	SILT (ML) - very soft, wet, non-plastic, black (10YR 2/1) , Organics (peat)
0.4 – 1.6	58221		LEAN CLAY (CL) - soft, moist, high plasticity, yellow (10YR 7/6)
1.6 – 2.4	58222		LEAN CLAY (CL) - hard, moist, high plasticity, very pale brown (10YR 7/4)
2.4 – 4.4	58223	CL	LEAN CLAY (CL) - very soft, moist, high plasticity, gray (10YR 6/1)
4.4 – 6	58224		

Pocket Penetrometer (kg/cm²): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130

PSD

Gravel / Sand / Silt / Clay (%)

Moisture Content (%); Plastic Limit; Liquid Limit

0, 20, 40, 60, 80, 100

srk consulting

DRILLHOLE ID: SRK21-SOS-TP-01
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1.13
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Thomas McMann

DRILLING DATE: 26-Oct-21 **TO:** 26-Oct-21
COORDINATES: 5407646 E 473067.5 N
DATUM: NAD83_17N
TOTAL DEPTH (m): 5

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Well-Graded Gravels; Poorly-Graded Gravels; Silty Gravels; Clayey Gravels; Well-Graded Sands; Poorly-Graded Sands; Silty Sands; Clayey Sands; Silts; Lean Clays; Organic Silts/Organic Clays (OH); Elastic Silts; Fat Clays; Organic Silts/Organic Clays (OL); Organic soil

Depth (m)	Sample No. (Grab, Shelby, SPT)	USCS	Soil Description
0 – 0.8	58211	PT	ORGANIC SOIL (PT) - Roots
0.8 – 2.4	58212, 58213	CL	LEAN CLAY (CL) - some sand, stiff, dry to moist, rounded, high plasticity, light gray (7.5YR 7/1)
2.4 – 3.6	58214	CL	LEAN CLAY (CL) - some sand, medium, moist, well-graded, high plasticity, gray (10YR 5/1)
3.6 – 5.2	58215	CL	LEAN CLAY (CL) - little sand, very soft, moist, rounded, high plasticity, dark gray (10YR 4/1)

Pocket Penetrometer (kg/cm²): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130

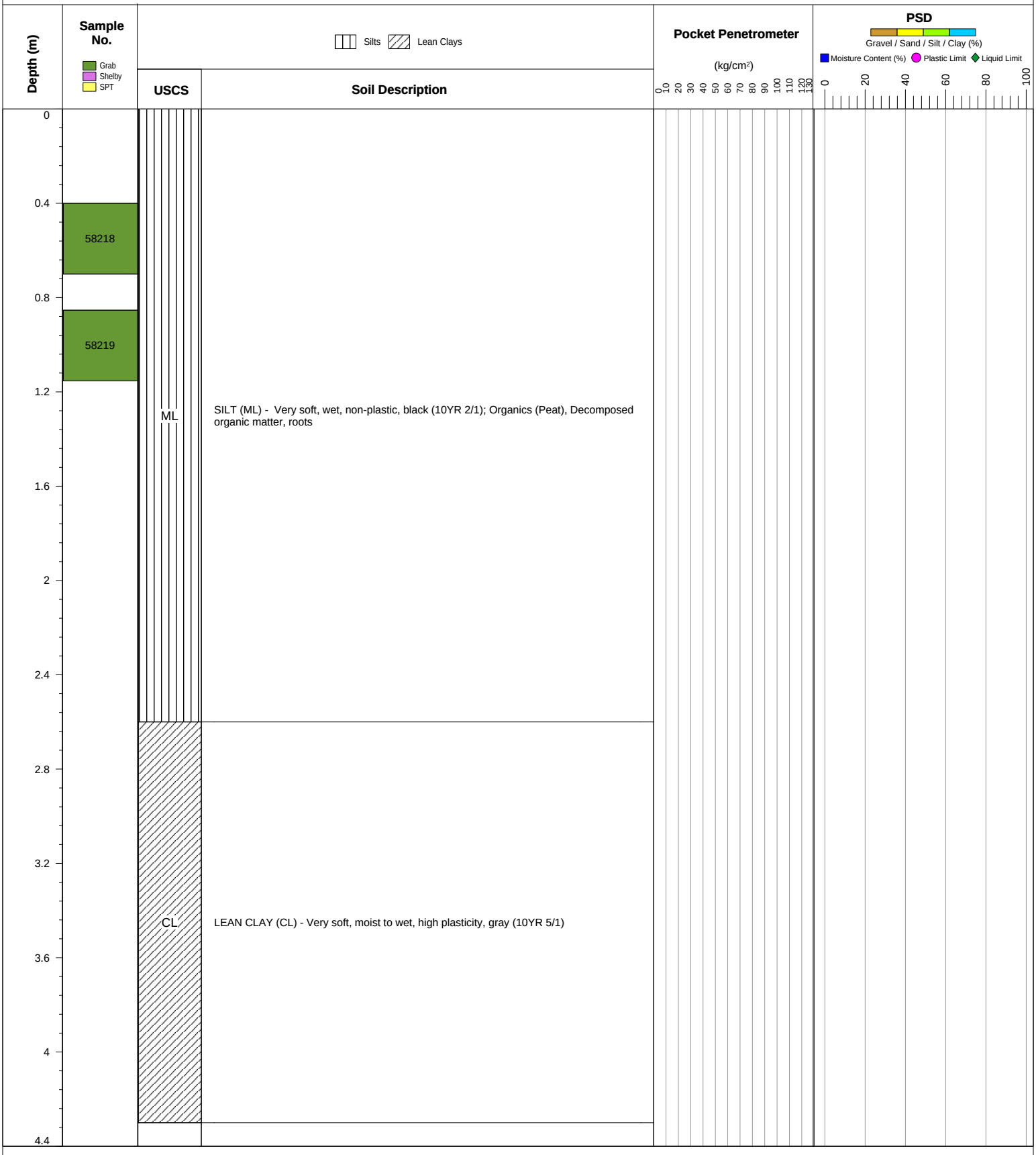
PSD
Gravel / Sand / Silt / Clay (%)
Moisture Content (%); Plastic Limit; Liquid Limit
0, 20, 40, 60, 80, 100

srk consulting

DRILLHOLE ID:	**SRK21-TSF-TP-02**	**DRILLING DATE:**	12-Nov-21 **TO:** 12-Nov-21
LOCATION:	Crawford	**COORDINATES:**	476742 E 5408989.8 N
PROJECT NO:	CAPR000801	**DATUM:**	NAD83 UTM Zone 17N
EQUIPMENT:	CAT 320	**TOTAL DEPTH (m):**	4.3
EXCAVATION WIDTH (m):	1		
CONTRACTOR:	Canada Nickel Corporation		
LOGGED BY:	Matthew Armoh/Kyle Scale		

PROJECT: Crawford Site Investigation

CLIENT: Canada Nickel Corporation



srk consulting

DRILLHOLE ID:	**SRK21-TSF-TP-06**	**DRILLING DATE:**	15-Oct-21 **TO:** 15-Oct-21
LOCATION:	Crawford	**COORDINATES:**	474107.5 E 5406496.3 N
PROJECT NO:	CAPR000801	**DATUM:**	NAD83 UTM Zone 17N
EQUIPMENT:	CAT 320	**TOTAL DEPTH (m):**	4.5
EXCAVATION WIDTH (m):	1		
CONTRACTOR:	Canada Nickel Corporation		
LOGGED BY:	Tess Jakubec		

PROJECT: Crawford Site Investigation

CLIENT: Canada Nickel Corporation

Lean Clays | Organic Silts/Organic Clays (OH)

Grab | Shelby | SPT

Depth (m)	Sample No.	USCS	Soil Description
0 – 0.4	58201	PT	ORGANIC SOIL (PT) - Roots
0.8 – 1.2	58203	CL	LEAN CLAY (CL) - Trace sand, stiff, moist, high plasticity, light brownish gray (2.5Y 6/2); Two distinct types of clay mottled in the same horizon. Second clay unit is moist, medium stiff, nodular, high plasticity, 5Y 5/1 gray clay
1.6 – 2	58204		
2.4 – 4.4			LEAN CLAY (CL) - Trace sand, very soft, moist to wet, high plasticity, gray (5Y 5/1) ;
4.8			

Pocket Penetrometer

(kg/cm²)

0 10 20 30 40 50 60 70 80 90 100 110 120 130

PSD

Gravel / Sand / Silt / Clay (%)

Moisture Content (%) | Plastic Limit | Liquid Limit

0 20 40 60 80 100

srk consulting

DRILLHOLE ID:	**SRK22-BP-TP-06**	**DRILLING DATE:**	24-Mar-22 **TO:** 24-Mar-22
LOCATION:	Crawford	**COORDINATES:**	472197 E 5403043 N
PROJECT NO:	CAPR000801	**DATUM:**	NAD83 UTM Zone 17N
EQUIPMENT:	CAT 320	**TOTAL DEPTH (m):**	2.7
EXCAVATION WIDTH (m):	1		
CONTRACTOR:	Canada Nickel Corporation		
LOGGED BY:	Tess Jakubec		

PROJECT: Crawford Site Investigation

CLIENT: Canada Nickel Corporation

Poorly-Graded Sands | Silty Sands | Lean Clays | Organic Silts/Organic Clays (OH)

Grab | Shelby | SPT

Depth (m)	Sample No.	USCS	Soil Description
0 – 0.2	168449	PT	Organic soil (PT) - Frozen ground
0.2 – 0.4	168450	SM	SILTY SAND (SM) - Little fines, very loose, moist, poorly-graded, fine sand to medium sand, light gray (10YR 7/2)
0.4 – 0.8	167401	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, very loose, moist, poorly-graded, fine sand to medium sand, yellowish brown (10YR 5/6)
0.8 – 1.6	167402	CL	LEAN CLAY (CL) - Trace sand, high plasticity, medium, moist, grayish brown (10YR 5/2)
1.6 – 2.4	167403	SM	SILTY SAND (SM) - Little fines, very loose, moist, poorly-graded, fine sand to medium sand, light gray (10YR 7/1)
2.4 – 2.8		ROCK	Possible bedrock or Cobble

Pocket Penetrometer

(kg/cm²)

0 10 20 30 40 50 60 70 80 90 100 110 120 130

PSD

Gravel / Sand / Silt / Clay (%)

Moisture Content (%) | Plastic Limit | Liquid Limit

0 20 40 60 80 100

srk consulting

DRILLHOLE ID: SRK22-BP-TP-11
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Tess Jakubec

DRILLING DATE: 24-Mar-22 **TO:** 24-Mar-22
COORDINATES: 470829 E 5406150 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4.9

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Lean Clays | Organic Silts/Organic Clays (OH) | Elastic Silts

Grab | Shelby | SPT

Depth (m)	Sample No.	USCS	Soil Description
0	168439	PT	ORGANIC SOIL (PT) - roots
0.4	168440	MH	ELASTIC SILT (MH) - Medium plasticity, medium, moist, very pale brown (10YR 7/4); some organics
1.6	168441	MH	ELASTIC SILT (MH) - Medium plasticity, stiff, moist, very pale brown (10YR 7/4); some organics
2.8	168442	CL	LEAN CLAY (CL) - High plasticity, stiff, moist to wet, grayish brown (10YR 5/2); Brown clay with grey coating
3.6	168443	CL	LEAN CLAY (CL) - High plasticity, very soft, moist to wet, dark gray (10YR 4/1)
5.2			

Pocket Penetrometer

(kg/cm²)

0 10 20 30 40 50 60 70 80 90 100 110 120 130

PSD

Gravel / Sand / Silt / Clay (%)

Moisture Content (%) Plastic Limit Liquid Limit

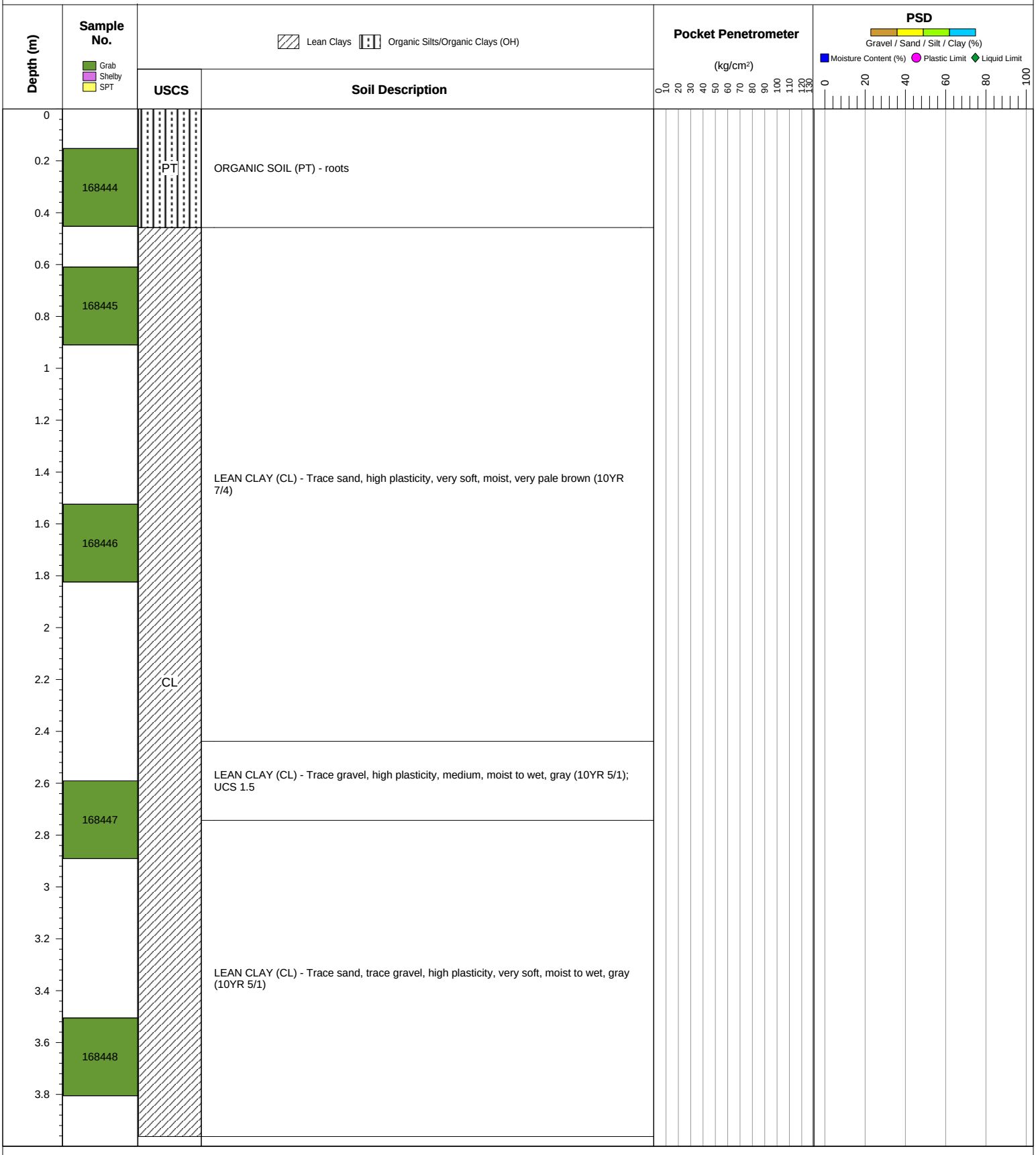
0 20 40 60 80 100

srk consulting

DRILLHOLE ID: SRK22-BP-TP-12
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Tess Jakubec

DRILLING DATE: 24-Mar-22 **TO:** 24-Mar-22
COORDINATES: 470593 E 5406531 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



srk consulting

DRILLHOLE ID: SRK22-BP-TP-13
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 26-Mar-22 **TO:** 26-Mar-22
COORDINATES: 470565 E 5407188 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4.6

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Poorly-Graded Sands | Silts | Lean Clays | Organic Silts/Organic Clays (OH)

Depth (m)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
0 – 0.4		PT	ORGANIC SOIL (PT) - roots
0.4 – 1.6	167428	ML	SILT (ML) - Little sand, trace gravel, non-plastic, very soft, moist, well-graded, fine sand to coarse gravel, subrounded, dark yellowish brown (10YR 4/4)
1.6 – 2	167429	CL	LEAN CLAY (CL) - Few sand, medium plasticity, medium, moist to wet, poorly-graded, fine sand to coarse sand, dark brown (10YR 3/3)
2 – 2.8	167430	CL	LEAN CLAY (CL) - Trace sand, high plasticity, soft, moist, dark grayish brown (10YR 4/2)
2.8 – 4.8	167431	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, trace gravel, very loose, moist to wet, poorly-graded, fine sand to medium sand, gray (10YR 6/1)

Pocket Penetrometer (kg/cm²): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130

PSD
Gravel / Sand / Silt / Clay (%)
Moisture Content (%) | Plastic Limit | Liquid Limit
0, 20, 40, 60, 80, 100

srk consulting

DRILLHOLE ID: SRK22-BP-TP-14
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Dmitry Berdyugin

DRILLING DATE: 26-Mar-22 **TO:** 26-Mar-22
COORDINATES: 470454 E 5407374 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 5.2

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Lean Clays | Organic Silts/Organic Clays (OH) | Elastic Silts

Depth (m)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
0 – 0.4		PT	ORGANIC SOIL (PT) - roots
0.4 – 3.6	167432, 167433, 167434	MH	ELASTIC SILT (MH) - Low plasticity, very soft, moist, light yellowish brown (10YR 6/4)
3.6 – 5.2	167435	CL	LEAN CLAY (CL) - High plasticity, very soft, moist to wet, gray (10YR 5/1)

Pocket Penetrometer (kg/cm²): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130

PSD
Gravel / Sand / Silt / Clay (%)
Moisture Content (%) Plastic Limit Liquid Limit
0, 20, 40, 60, 80, 100

srk consulting

DRILLHOLE ID: SRK22-BP-TP-17
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Tess Jakubec

DRILLING DATE: 24-Mar-22 **TO:** 24-Mar-22
COORDINATES: 471792 E 5403422 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Poorly-Graded Sands | Organic Silts/Organic Clays (OH)

Depth (m)	Sample No. (Grab / Shelby / SPT)	USCS	Soil Description
0 – 0.2	167404	PT	ORGANIC SOIL (PT) - roots
0.2 – 0.4	167405	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, frozen, poorly-graded, fine sand to medium sand, gray (10YR 5/1)
0.4 – 1.2	167406	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, loose, moist, poorly-graded, fine sand to medium sand, brownish yellow (10YR 6/6)
1.2 – 1.4	167407	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, loose, moist, poorly-graded, fine sand to medium sand, pale brown (10YR 6/3)
1.4 – 2.2	167408	SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, loose, moist, poorly-graded, fine sand to medium sand, pale brown (10YR 6/2)
2.2 – 4		SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - Few fines, loose, moist, poorly-graded, fine sand to medium sand, pale brown (10YR 6/2)

Pocket Penetrometer (kg/cm²): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130

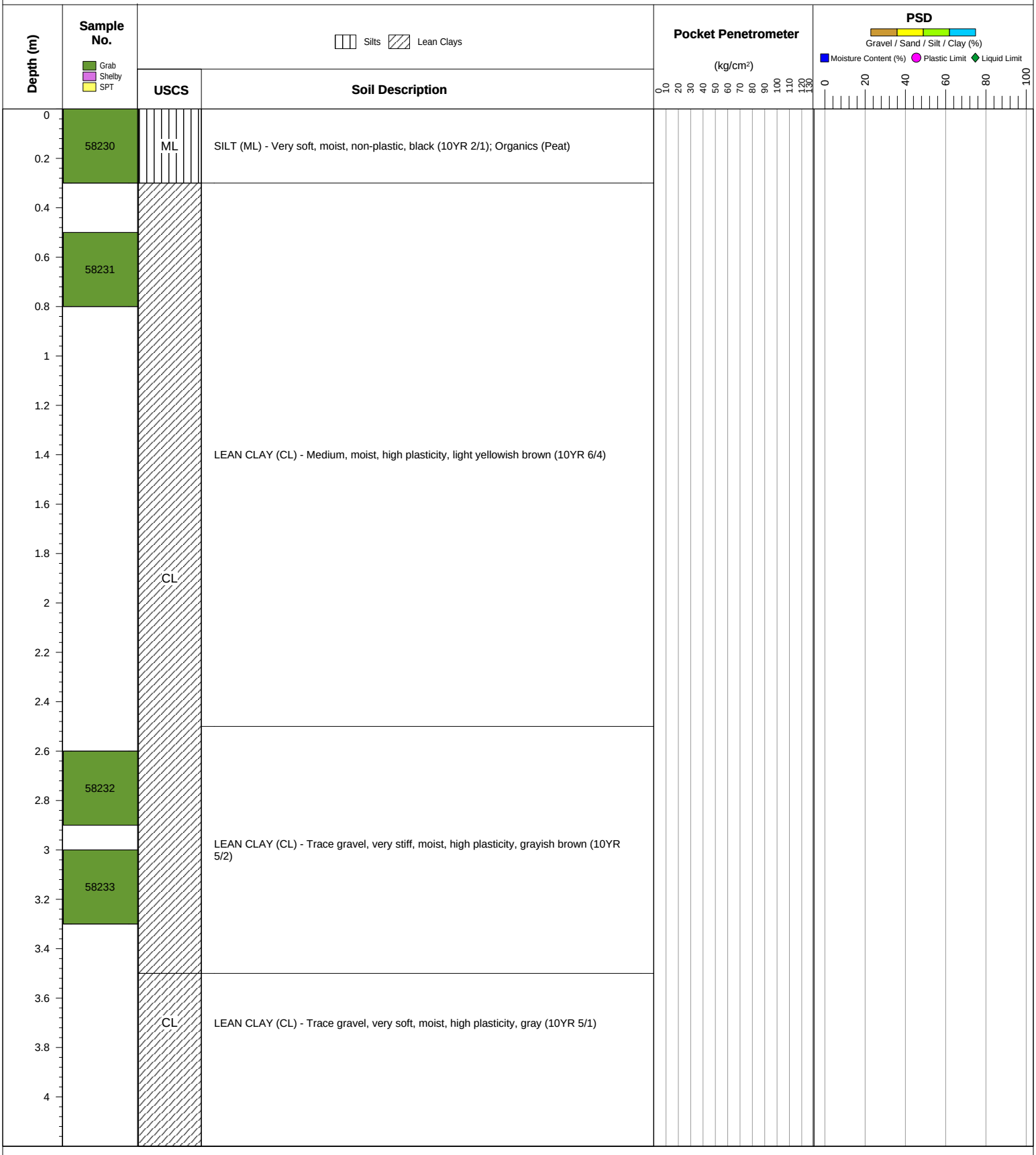
PSD
Gravel / Sand / Silt / Clay (%)
Moisture Content (%) | Plastic Limit | Liquid Limit
0, 20, 40, 60, 80, 100

srk consulting

DRILLHOLE ID: SRK22-TSF-TP-03
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Matthew Armoh

DRILLING DATE: 14-Feb-22 **TO:** 14-Feb-22
COORDINATES: 475499 E 5408630 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4.2

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation



srk consulting

DRILLHOLE ID: SRK22-TSF-TP-04
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Matthew Armoh

DRILLING DATE: 15-Feb-22 **TO:** 15-Feb-22
COORDINATES: 474847 E 5407086 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4.8

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

Depth (m)	Sample No.	USCS	Soil Description
0 – 0.4	167729, 167730	ML	SILT (ML) - Very soft, moist to wet, non-plastic, black (10YR 2/1); Organics (Peat)
0.4 – 1.6	167731, 167732, 167733	CL	LEAN CLAY (CL) - Very soft, moist, high plasticity, light yellowish brown (10YR 6/4)
1.6 – 2.8		CL	LEAN CLAY (CL) - Very stiff, moist, high plasticity, light yellowish brown (10YR 6/4)
2.8 – 4.4		CL	LEAN CLAY (CL) - Medium, moist, high plasticity, dark gray (10YR 4/1)
4.4 – 4.8		CL	LEAN CLAY (CL) - Trace gravel, very soft, moist, high plasticity, dark gray (10YR 4/1)

Sample No.: Grab, Shelby, SPT

Silts, Lean Clays

Pocket Penetrometer (kg/cm²): 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130

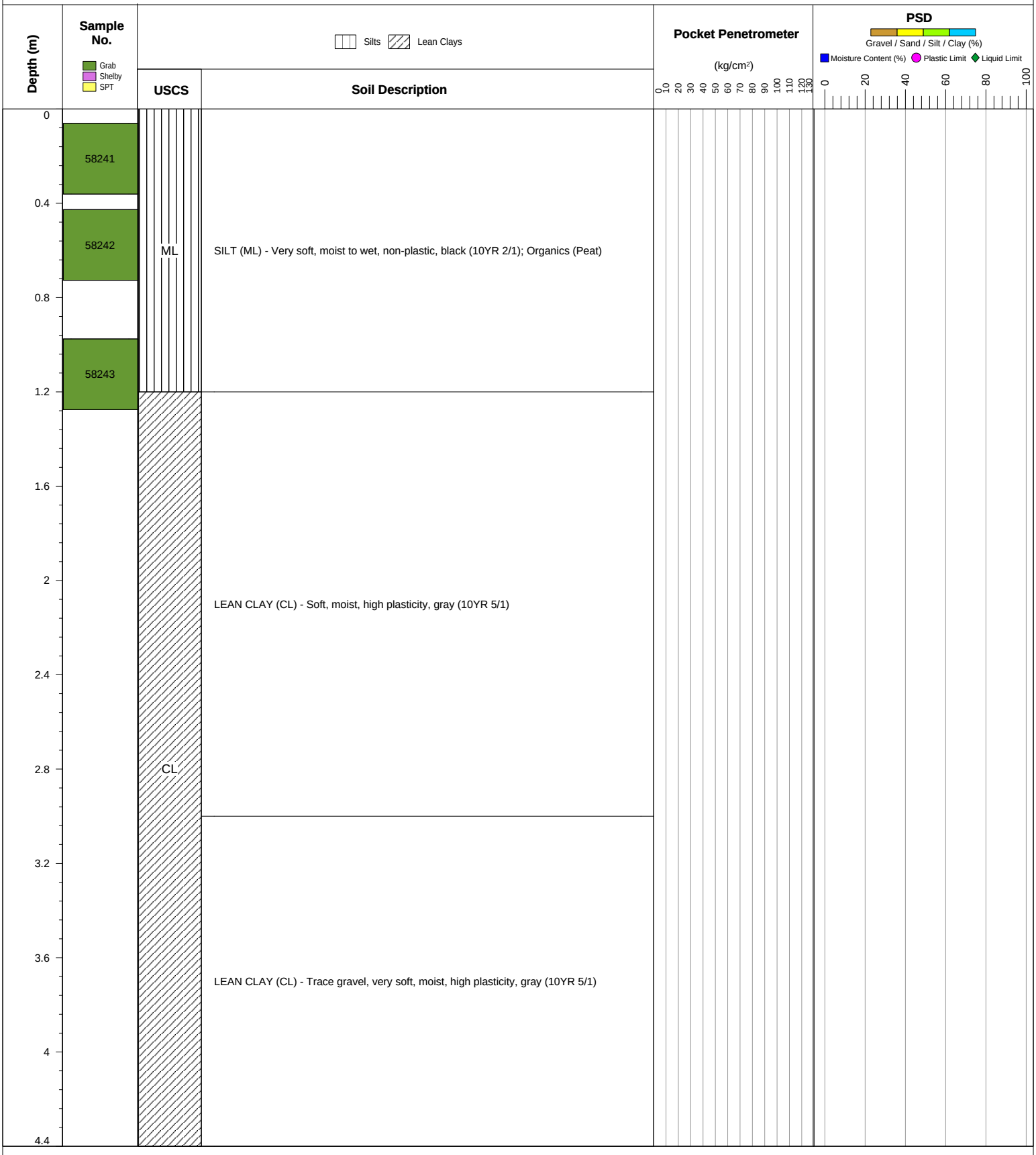
PSD
Gravel / Sand / Silt / Clay (%)
Moisture Content (%) Plastic Limit Liquid Limit
0, 20, 40, 60, 80, 100

srk consulting

DRILLHOLE ID: SRK22-TSF-TP-05
LOCATION: Crawford
PROJECT NO: CAPR000801
EQUIPMENT: CAT 320
EXCAVATION WIDTH (m): 1
CONTRACTOR: Canada Nickel Corporation
LOGGED BY: Matthew Armoh

DRILLING DATE: 14-Feb-22 **TO:** 14-Feb-22
COORDINATES: 476941 E 5406515 N
DATUM: NAD83 UTM Zone 17N
TOTAL DEPTH (m): 4.4

PROJECT: Crawford Site Investigation
CLIENT: Canada Nickel Corporation

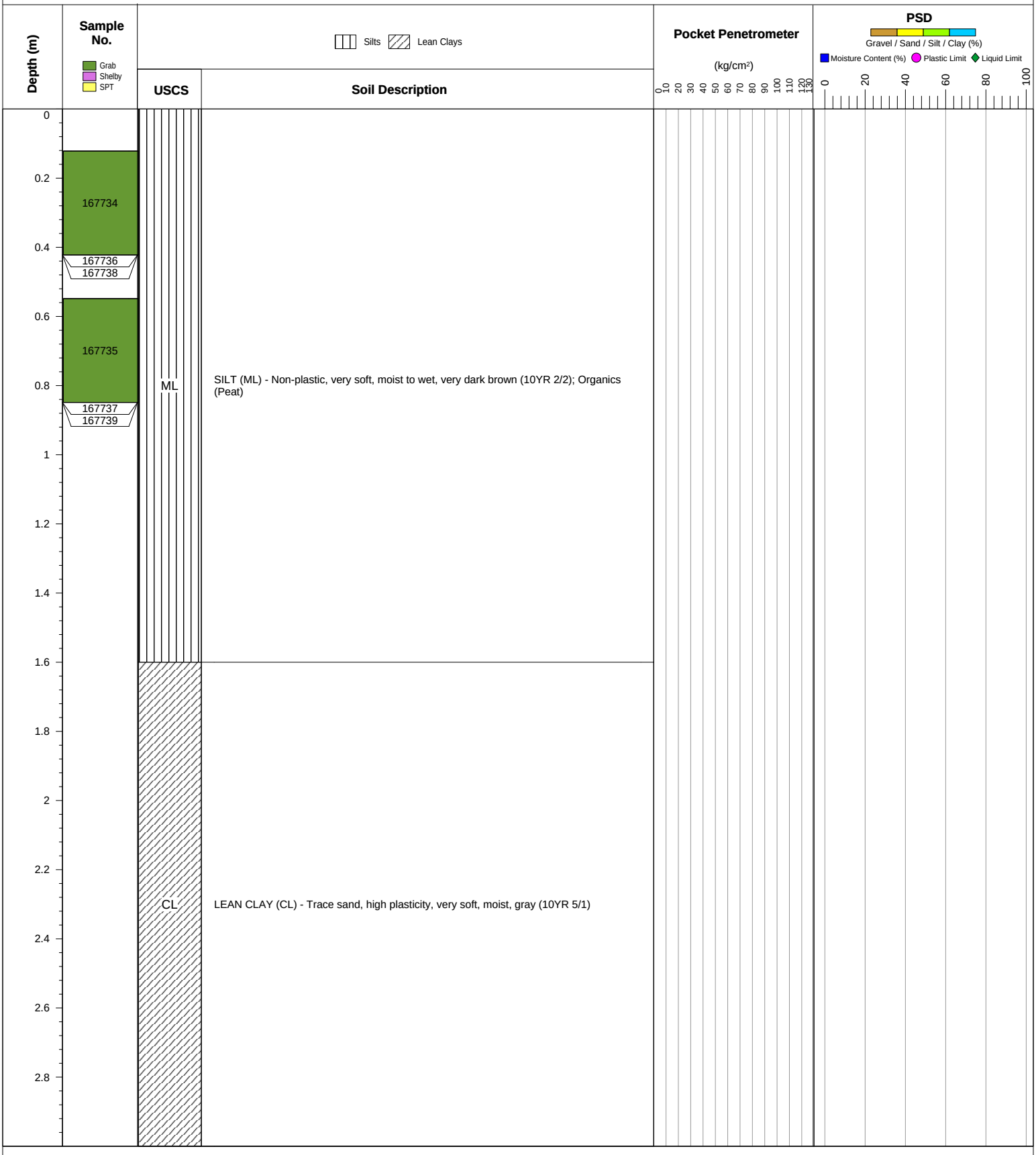


srk consulting

DRILLHOLE ID:	**SRK22-TSF-TPT-06**	**DRILLING DATE:**	16-Feb-22 **TO:** 16-Feb-22
LOCATION:	Crawford	**COORDINATES:**	474682 E 5408919 N
PROJECT NO:	CAPR000801	**DATUM:**	NAD83 UTM Zone 17N
EQUIPMENT:	SANY SY155U	**TOTAL DEPTH (m):**	3
EXCAVATION WIDTH (m):	0.8		
CONTRACTOR:	Canada Nickel Corporation		
LOGGED BY:	Kisa Elmer		

PROJECT: Crawford Site Investigation

CLIENT: Canada Nickel Corporation



Appendix D CPT Report

PRESENTATION OF SITE INVESTIGATION RESULTS

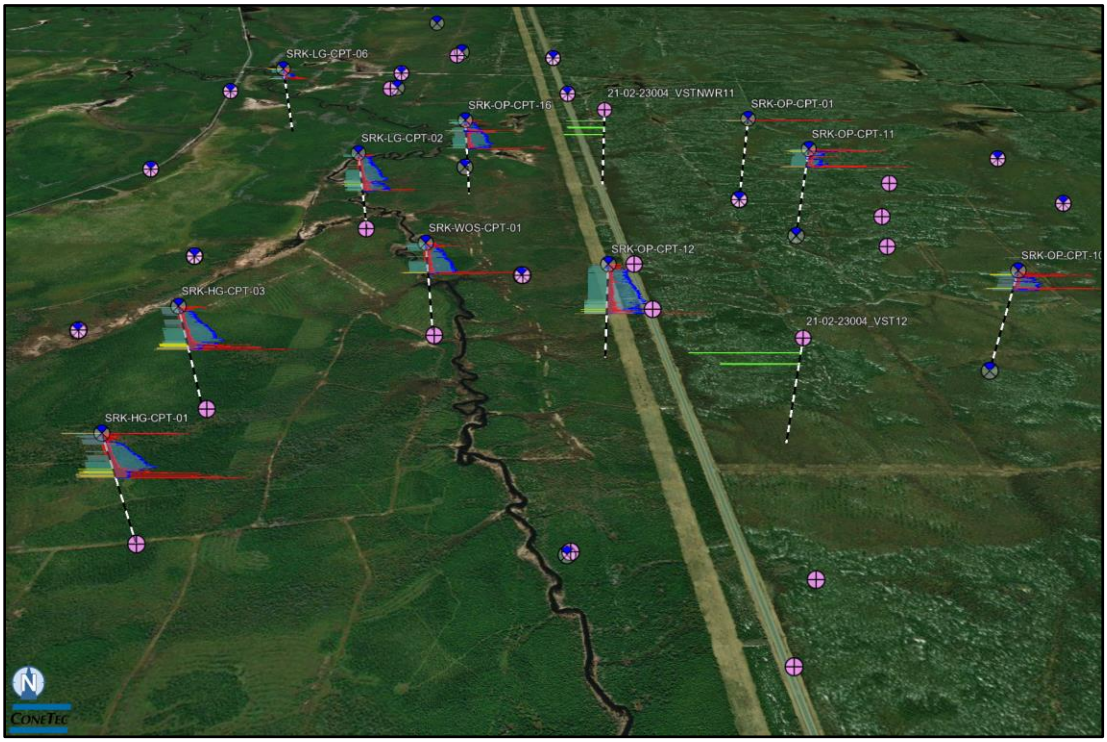
Crawford Mine

Prepared for:

Canada Nickel Company

ConeTec Job No: 21-02-23004

Project Start Date: 01-Oct-2021
Project End Date: 27-Mar-2022
Report Date: 29-Apr-2022



Prepared by:

ConeTec Investigations Ltd.
201-8327 Eastlake Drive
Burnaby, BC V5A 4W2

Tel: (604) 273-4311

ConeTecYVR@conetec.com
www.conetec.com
www.conetecdataservices.com

© 2022 ConeTec Group of Companies. All Rights Reserved.

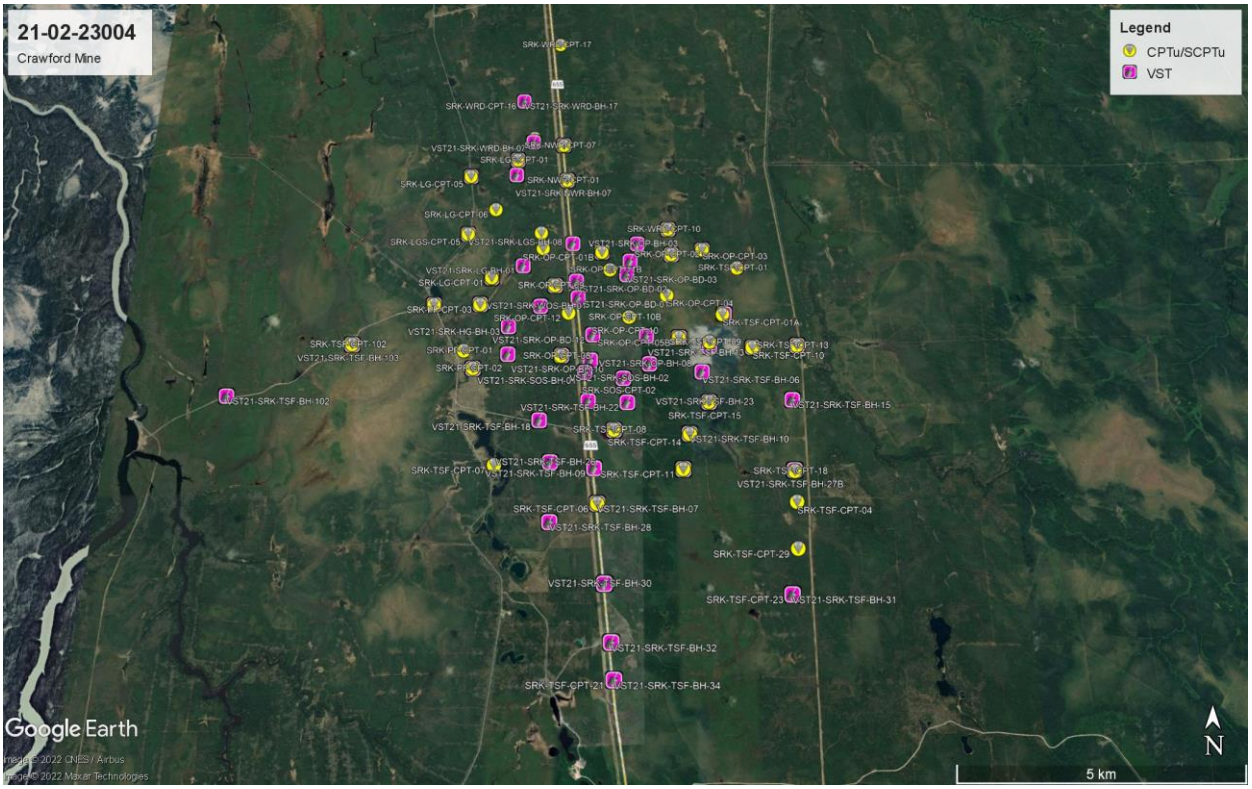
Introduction

The enclosed report presents the results of the site investigation program conducted by ConeTec Investigations Ltd. for Canada Nickel Company at Crawford Mine in Ontario. The program consisted of 10 cone penetration tests (CPTu), 51 seismic cone penetration tests (SCPTu), and 60 vane shear tests profiles. Please note that this report, which also includes all accompanying data, are subject to the 3rd Party Disclaimer and Client Disclaimer that follow in the 'Limitations' section of this report.

Project Information

Project	
Client	Canada Nickel Company
Project	Crawford Mine
ConeTec project number	21-02-23004

An aerial overview from Google Earth including the CPTu, SCPTu, and VST test locations is presented below.



Rig Description	Deployment System	Test Type
Track Mounted Sonic Drill Rig	Drill head	CPTu, SCPTu, VST

Coordinates		
Test Type	Collection Method	EPSG Number
CPTu, SCPTu, VST	Consumer grade GPS	32617

Cone Penetrometers Used for this Project						
Cone Description	Cone Number	Cross Sectional Area (cm^2)	Sleeve Area (cm^2)	Tip Capacity (bar)	Sleeve Capacity (bar)	Pore Pressure Capacity (bar)
726:T1500F15U35	726	15	225	1500	15	35
728:T1500F15U35	728	15	225	1500	15	35
742:T1500F15U35	742	15	225	1500	15	35
751:T1500F15U35	751	15	225	1500	15	35
The CPTu summary indicates which cone was used for each sounding.						

Cone Penetration Test (CPTu)	
Depth reference	Depths are referenced to the existing ground surface at the time of each test.
Tip and sleeve data offset	0.1 meter This has been accounted for in the CPT data files.
Seismic calculations	Poisson's ratio (ν) was calculated from the shear wave (V_s) and compression wave (V_p) velocities using the following equation: $$\nu = \frac{(V_p/V_s)^2 - 2}{2\left((V_p/V_s)^2 - 1\right)}$$
Additional plots	• Advanced plots with Ic, Su, phi and N1(60) • Seismic plots with Vs, Vp, and poisson's ratio • Soil Behaviour Type (SBT) scatter plots

Calculated Geotechnical Parameter Tables	
Additional information	The Non-Normalized Soil Behaviour Type Chart (Robertson, 2010) was used to classify the soil for this project. A detailed set of calculated CPTu parameters have been generated and are provided in Excel format files in the release folder. The CPTu parameter calculations are based on values of corrected tip resistance (q_t) sleeve friction (f_s) and pore pressure (u_2). Soils were classified as either drained or undrained based on the Non-Normalized Soil Behaviour Type Chart (Robertson, 2010). Calculations for both drained and undrained parameters were included for materials that classified as silt mixtures (zone 4) and sand mixtures – silty sand to sandy silt (zone 5). For calculating undrained shear strength based on pore pressure ($S_u(N_{\Delta u})$) and undrained shear strength based on cone tip resistance ($S_u(N_{kt})$), an $N_{\Delta u}$ value of 9.0 and an N_{kt} value of 15.0 were selected. These values were based on a best fit of the CPTu S_u to the VST peak S_u results.

Electric Field Vane Shear Test (VST)	
Depth reference	Depths are referenced to the existing ground surface at the time of each test.
Load cell capacity	100 N·m
Load cell location	Surface
Additional comments	Peak undrained shear strength values (S_u) are over-plotted on the CPTu S_u profile for comparison. The VST data collected at location VST21-SRK-WRD-BH-17 is not reported due to equipment issues. There are additional notes regarding VST data quality for specific tests in the VST Results and Timing file.

Closure

Thank you for the opportunity to work on this project. The equipment used and the field procedures followed complied with current accepted practice standards.

ConeTec Investigations Ltd.

Permit Number: 1002866

Report prepared by:



Mary Nguyen, EIT (BC)

Reviewed and approved by:



Ilmar Weemees, P.Eng.

Limitations

3rd Party Disclaimer

This report titled “Crawford Mine”, referred to as the (“Report”), was prepared by ConeTec for Canada Nickel Company. The Report is confidential and may not be distributed to or relied upon by any third parties without the express written consent of ConeTec. Any third parties gaining access to the Report do not acquire any rights as a result of such access. Any use which a third party makes of the Report, or any reliance on or decisions made based on it, are the responsibility of such third parties. ConeTec accepts no responsibility for loss, damage and/or expense, if any, suffered by any third parties as a result of decisions made, or actions taken or not taken, which are in any way based on, or related to, the Report or any portion(s) thereof.

Client Disclaimer

ConeTec was retained by Canada Nickel Company to collect and provide the raw data (“Data”) which is included in this report titled “Crawford Mine”, which is referred to as the (“Report”). ConeTec has collected and reported the Data in accordance with current industry standards. No other warranty, express or implied, with respect to the Data is made by ConeTec. In order to properly understand the Data included in the Report, reference must be made to the documents accompanying and other sources referenced in the Report in their entirety. Any analysis, interpretation, judgment, calculations and/or geotechnical parameters (collectively “Interpretations”) included in the Report, including those based on the Data, are outside the scope of ConeTec’s retainer and are included in the Report as a courtesy only. Other than the Data, the contents of the Report (including any Interpretations) should not be relied upon in any fashion without independent verification and ConeTec is in no way responsible for any loss, damage or expense resulting from the use of, and/or reliance on, such material by any party.

Cone penetration tests (CPTu) are conducted using an integrated electronic piezocone penetrometer and data acquisition system manufactured by Adara Systems Ltd., a subsidiary of ConeTec.

ConeTec's piezocone penetrometers are compression type designs in which the tip and friction sleeve load cells are independent and have separate load capacities. The piezocones use strain gauged load cells for tip and sleeve friction and a strain gauged diaphragm type transducer for recording pore pressure. The piezocones also have a platinum resistive temperature device (RTD) for monitoring the temperature of the sensors, an accelerometer type dual axis inclinometer and two geophone sensors for recording seismic signals. All signals are amplified and measured with minimum sixteen-bit resolution down hole within the cone body, and the signals are sent to the surface using a high bandwidth, error corrected digital interface through a shielded cable.

ConeTec penetrometers are manufactured with various tip, friction and pore pressure capacities in both 10 cm^2 and 15 cm^2 tip base area configurations in order to maximize signal resolution for various soil conditions. The specific piezocone used for each test is described in the CPT summary table presented in the first appendix. The 15 cm^2 penetrometers do not require friction reducers as they have a diameter larger than the deployment rods. The 10 cm^2 piezocones use a friction reducer consisting of a rod adapter extension behind the main cone body with an enlarged cross sectional area (typically 44 millimeters diameter over a length of 32 millimeters with tapered leading and trailing edges) located at a distance of 585 millimeters above the cone tip.

The penetrometers are designed with equal end area friction sleeves, a net end area ratio of 0.8 and cone tips with a 60 degree apex angle.

All ConeTec piezocones can record pore pressure at various locations. Unless otherwise noted, the pore pressure filter is located directly behind the cone tip in the "u_2" position (ASTM Type 2). The filter is six millimeters thick, made of porous plastic (polyethylene) having an average pore size of 125 microns (90-160 microns). The function of the filter is to allow rapid movements of extremely small volumes of water needed to activate the pressure transducer while preventing soil ingress or blockage.

The piezocone penetrometers are manufactured with dimensions, tolerances and sensor characteristics that are in general accordance with the current ASTM D5778 standard. ConeTec's calibration criteria also meets or exceeds those of the current ASTM D5778 standard. An illustration of the piezocone penetrometer is presented in Figure CPTu.

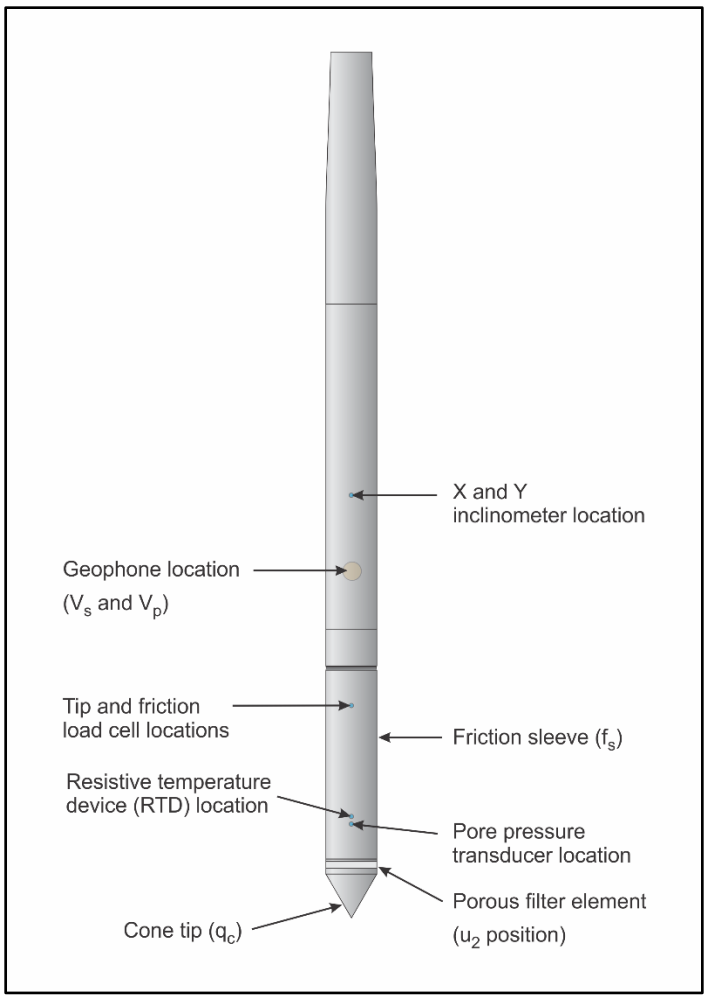


Figure CPTu. Piezocone Penetrometer (15 cm^2)

The ConeTec data acquisition systems consist of a Windows based computer and a signal interface box and power supply. The signal interface combines depth increment signals, seismic trigger signals and the downhole digital data. This combined data is then sent to the Windows based computer for collection and presentation. The data is recorded at fixed depth increments using a depth wheel attached to the push cylinders or by using a spring loaded rubber depth wheel that is held against the cone rods. The typical recording interval is 2.5 centimeters; custom recording intervals are possible.

The system displays the CPTu data in real time and records the following parameters to a storage media during penetration:

- Depth
- Uncorrected tip resistance (q_c)
- Sleeve friction (f_s)
- Dynamic pore pressure (u)
- Additional sensors such as resistivity, passive gamma, ultra violet induced fluorescence, if applicable

All testing is performed in accordance to ConeTec's CPTu operating procedures which are in general accordance with the current ASTM D5778 standard.

Prior to the start of a CPTu sounding a suitable cone is selected, the cone and data acquisition system are powered on, the pore pressure system is saturated with silicone oil and the baseline readings are recorded with the cone hanging freely in a vertical position.

The CPTu is conducted at a steady rate of two centimeters per second, within acceptable tolerances. Typically one meter length rods with an outer diameter of 38.1 millimeters are added to advance the cone to the sounding termination depth. After cone retraction final baselines are recorded.

Additional information pertaining to ConeTec's cone penetration testing procedures:

- Each filter is saturated in silicone oil under vacuum pressure prior to use
- Baseline readings are compared to previous readings
- Soundings are terminated at the client's target depth or at a depth where an obstruction is encountered, excessive rod flex occurs, excessive inclination occurs, equipment damage is likely to take place, or a dangerous working environment arises
- Differences between initial and final baselines are calculated to ensure zero load offsets have not occurred and to ensure compliance with ASTM standards

The interpretation of piezocone data for this report is based on the corrected tip resistance (q_t), sleeve friction (f_s) and pore water pressure (u). The interpretation of soil type is based on the correlations developed by Robertson et al. (1986) and Robertson (1990, 2009). It should be noted that it is not always possible to accurately identify a soil behaviour type based on these parameters. In these situations, experience, judgment and an assessment of other parameters may be used to infer soil behaviour type.

The recorded tip resistance (q_c) is the total force acting on the piezocone tip divided by its base area. The tip resistance is corrected for pore pressure effects and termed corrected tip resistance (q_t) according to the following expression presented in Robertson et al. (1986):

$$q_t = q_c + (1\text{-}a) \bullet u_2$$

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the piezocone (0.8 for ConeTec probes)

The sleeve friction (f_s) is the frictional force on the sleeve divided by its surface area. As all ConeTec piezocones have equal end area friction sleeves, pore pressure corrections to the sleeve data are not required.

The dynamic pore pressure (u) is a measure of the pore pressures generated during cone penetration. To record equilibrium pore pressure, the penetration must be stopped to allow the dynamic pore pressures to stabilize. The rate at which this occurs is predominantly a function of the permeability of the soil and the diameter of the cone.

The friction ratio (Rf) is a calculated parameter. It is defined as the ratio of sleeve friction to the tip resistance expressed as a percentage. Generally, saturated cohesive soils have low tip resistance, high friction ratios and generate large excess pore water pressures. Cohesionless soils have higher tip resistances, lower friction ratios and do not generate significant excess pore water pressure.

A summary of the CPTu soundings along with test details and individual plots are provided in the appendices. A set of files with calculated geotechnical parameters were generated for each sounding based on published correlations and are provided in Excel format in the data release folder. Information regarding the methods used is also included in the data release folder.

For additional information on CPTu interpretations and calculated geotechnical parameters, refer to Robertson et al. (1986), Lunne et al. (1997), Robertson (2009), Mayne (2013, 2014) and Mayne and Peuchen (2012).

References

ASTM D5778-20, 2020, "Standard Test Method for Performing Electronic Friction Cone and Piezocone Penetration Testing of Soils", ASTM International, West Conshohocken, PA. DOI: 10.1520/D5778-20.

Lunne, T., Robertson, P.K. and Powell, J. J. M., 1997, “Cone Penetration Testing in Geotechnical Practice”, Blackie Academic and Professional.

Mayne, P.W., 2013, “Evaluating yield stress of soils from laboratory consolidation and in-situ cone penetration tests”, Sound Geotechnical Research to Practice (Holtz Volume) GSP 230, ASCE, Reston/VA: 406-420. DOI: 10.1061/9780784412770.027.

Mayne, P.W. and Peuchen, J., 2012, “Unit weight trends with cone resistance in soft to firm clays”, Geotechnical and Geophysical Site Characterization *4,* Vol. 1 (Proc. ISC-4, Pernambuco), CRC Press, London: 903-910.

Mayne, P.W., 2014, “Interpretation of geotechnical parameters from seismic piezocone tests”, CPT’14 Keynote Address, Las Vegas, NV, May 2014.

Robertson, P.K., Campanella, R.G., Gillespie, D. and Greig, J., 1986, “Use of Piezometer Cone Data”, Proceedings of InSitu 86, ASCE Specialty Conference, Blacksburg, Virginia.

Robertson, P.K., 1990, “Soil Classification Using the Cone Penetration Test”, Canadian Geotechnical Journal, Volume 27: 151-158. DOI: 10.1139/T90-014.

Robertson, P.K., 2009, “Interpretation of cone penetration tests – a unified approach”, Canadian Geotechnical Journal, Volume 46: 1337-1355. DOI: 10.1139/T09-065.

Shear wave velocity (Vs) testing is performed in conjunction with the piezocone penetration test (SCPTu) in order to collect interval velocities. For some projects seismic compression wave velocity (Vp) testing is also performed.

ConeTec's piezocone penetrometers are manufactured with one horizontally active geophone (28 hertz) and one vertically active geophone (28 hertz). Both geophones are rigidly mounted in the body of the cone penetrometer, 0.2 meters behind the cone tip. The vertically mounted geophone is more sensitive to compression waves.

Shear waves are typically generated by using an impact hammer horizontally striking a beam that is held in place by a normal load. In some instances, an auger source or an imbedded impulsive source may be used for both shear waves and compression waves. The hammer and beam act as a contact trigger that initiates the recording of the seismic wave traces. For impulsive devices an accelerometer trigger may be used. The traces are recorded in the memory of the cone using a fast analog to digital converter. The seismic trace is then transmitted digitally uphole to a Windows based computer through a signal interface box for recording and analysis. An illustration of the shear wave testing configuration is presented in Figure SCPTu-1.

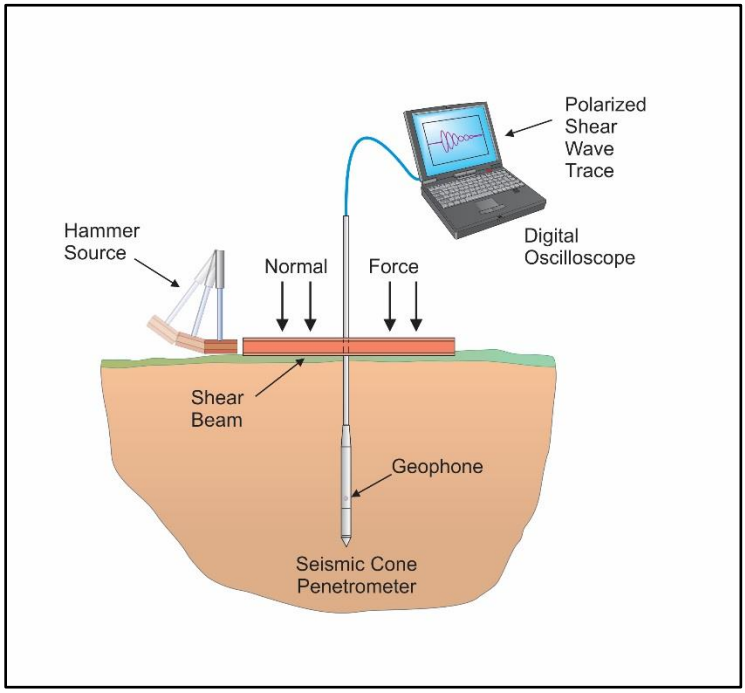


Figure SCPTu-1. Illustration of the SCPTu system

All testing is performed in accordance to ConeTec's SCPTu operating procedures which are in general accordance with the current ASTM D5778 and ASTM D7400 standards.

Prior to the start of a SCPTu sounding, the procedures described in the Cone Penetration Test section are followed. In addition, the active axis of the geophone is aligned parallel to the beam (or source) and the horizontal offset between the cone and the source is measured and recorded.

Prior to recording seismic waves at each test depth, cone penetration is stopped and the rods are decoupled from the rig to avoid transmission of rig energy down the rods. Typically, five wave traces for

each orientation are recorded for quality control and uncertainty analysis purposes. After reviewing wave traces for consistency the cone is pushed to the next test depth (typically one meter intervals or as requested by the client). Figure SCPTu-2 presents an illustration of a SCPTu test.

For additional information on seismic cone penetration testing refer to Robertson et al. (1986).

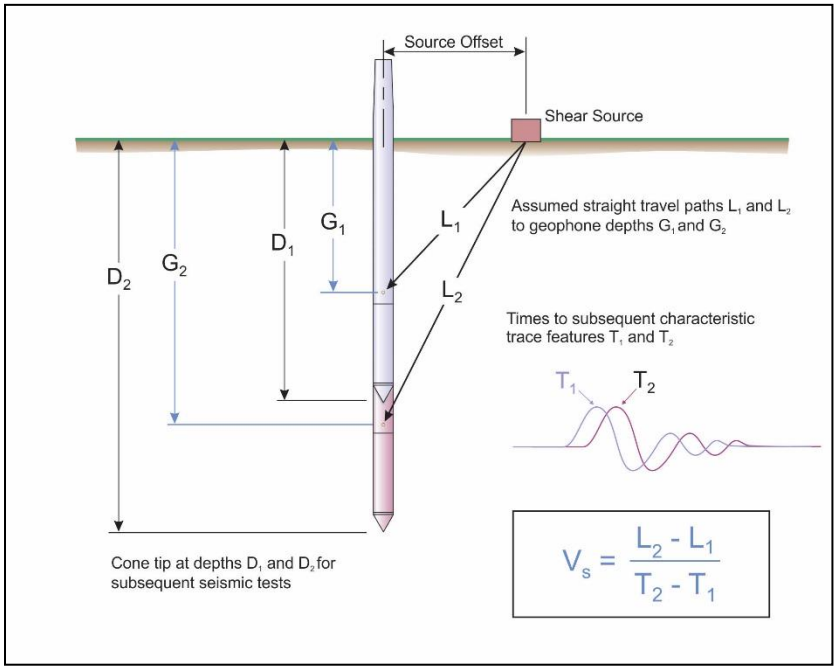


Figure SCPTu-2. Illustration of a seismic cone penetration test

Calculation of the interval velocities are performed by visually picking a common feature (e.g. the first characteristic peak, trough, or crossover) on all of the recorded wave sets and taking the difference in ray path divided by the time difference between subsequent features. Ray path is defined as the straight line distance from the seismic source to the geophone, accounting for beam offset, source depth and geophone offset from the cone tip.

The average shear wave velocity to a depth of thirty meters (V_{s30}) has been calculated and provided for all applicable soundings using an equation presented in Crow et al. (2012).

$$V_{s30} = \frac{\text{total thickness of all layers (30m)}}{\sum(\text{layer traveltimes})}$$

The layer travel times refers to the travel times propagating in the vertical direction, not the measured travel times from an offset source.

Tabular results and SCPTu plots are presented in the relevant appendix.

References

ASTM D5778-20, 2020, "Standard Test Method for Performing Electronic Friction Cone and Piezocone Penetration Testing of Soils", ASTM International, West Conshohocken, PA. DOI: 10.1520/D5778-20.

ASTM D7400/D7400M-19, 2019, "Standard Test Methods for Downhole Seismic Testing", ASTM International, West Conshohocken, PA. DOI: 10.1520/D7400_D7400M-19.

Crow, H.L., Hunter, J.A., Bobrowsky, P.T., 2012, “National shear wave measurement guidelines for Canadian seismic site assessment”, GeoManitoba 2012, Sept 30 to Oct 2, Winnipeg, Manitoba.

Robertson, P.K., Campanella, R.G., Gillespie D and Rice, A., 1986, “Seismic CPT to Measure In-Situ Shear Wave Velocity”, Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8: 791-803. DOI: 10.1061/(ASCE)0733-9410(1986)112:8(791).

The cone penetration test is halted at specific depths to carry out pore pressure dissipation (PPD) tests, shown in Figure PPD-1. For each dissipation test the cone and rods are decoupled from the rig and the data acquisition system measures and records the variation of the pore pressure (u) with time (t).

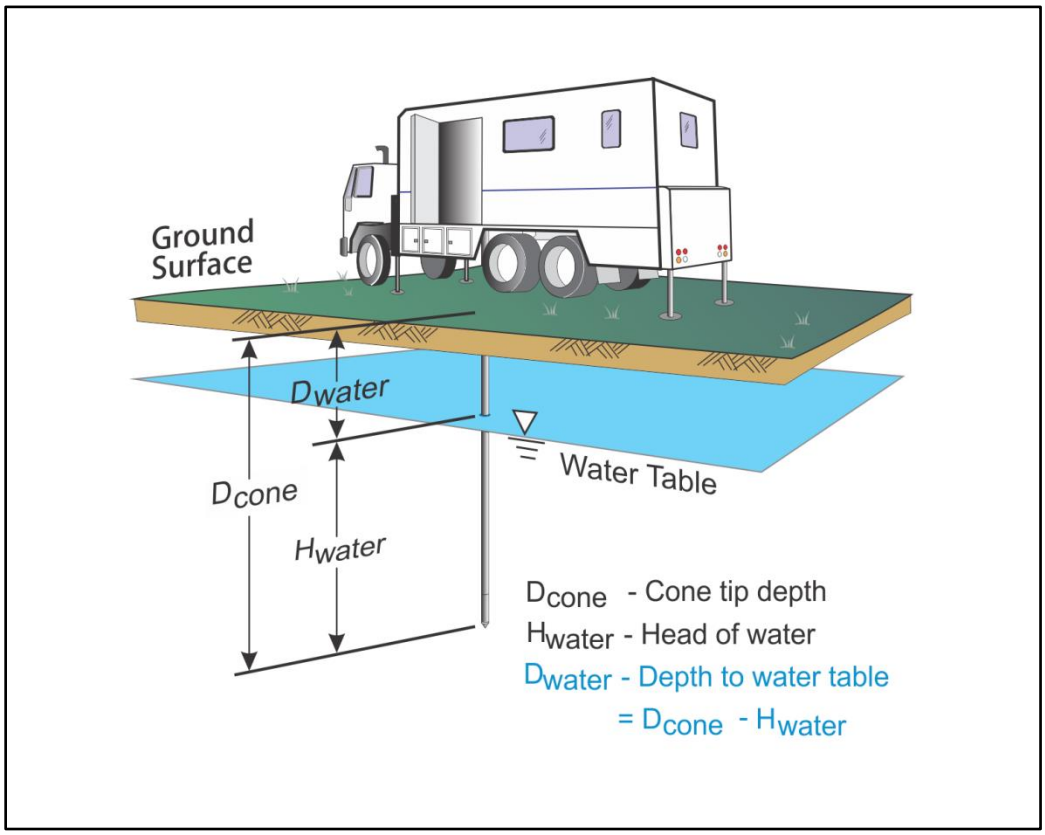


Figure PPD-1. Pore pressure dissipation test setup

Pore pressure dissipation data can be interpreted to provide estimates of ground water conditions, permeability, consolidation characteristics and soil behaviour.

The typical shapes of dissipation curves shown in Figure PPD-2 are very useful in assessing soil type, drainage, in situ pore pressure and soil properties. A flat curve that stabilizes quickly is typical of a freely draining sand. Undrained soils such as clays will typically show positive excess pore pressure and have long dissipation times. Dilative soils will often exhibit dynamic pore pressures below equilibrium that then rise over time. Overconsolidated fine-grained soils will often exhibit an initial dilatory response where there is an initial rise in pore pressure before reaching a peak and dissipating.

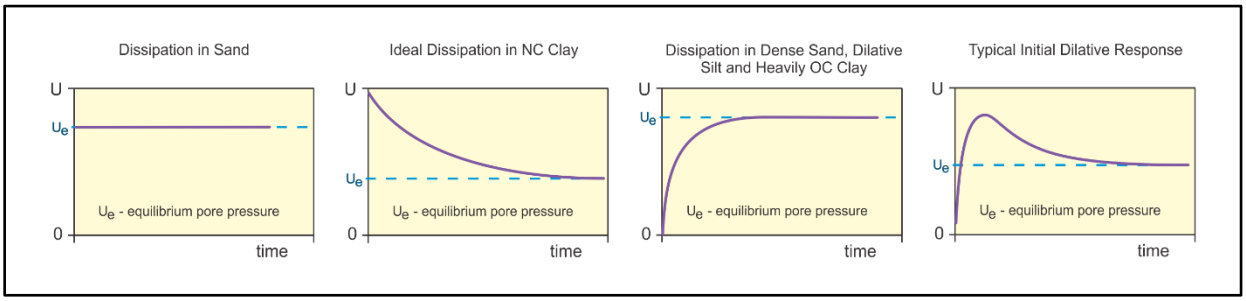


Figure PPD-2. Pore pressure dissipation curve examples

In order to interpret the equilibrium pore pressure (u_{eq}) and the apparent phreatic surface, the pore pressure should be monitored until such time as there is no variation in pore pressure with time as shown for each curve in Figure PPD-2.

In fine grained deposits the point at which 100% of the excess pore pressure has dissipated is known as t_{100}. In some cases this can take an excessive amount of time and it may be impractical to take the dissipation to t_{100}. A theoretical analysis of pore pressure dissipations by Teh and Houlsby (1991) showed that a single curve relating degree of dissipation versus theoretical time factor (T*) may be used to calculate the coefficient of consolidation (c_h) at various degrees of dissipation resulting in the expression for c_h shown below.

$$c_h = \frac{T^* \cdot a^2 \cdot \sqrt{I_r}}{t}$$

Where:

T* is the dimensionless time factor (Table Time Factor)
a is the radius of the cone
I_r is the rigidity index
t is the time at the degree of consolidation

Table Time Factor. T* versus degree of dissipation (Teh and Houlsby (1991))

Degree of Dissipation (%)	20	30	40	50	60	70	80
T* (u_2)	0.038	0.078	0.142	0.245	0.439	0.804	1.60

The coefficient of consolidation is typically analyzed using the time (t_{50}) corresponding to a degree of dissipation of 50% (u_{50}). In order to determine t_{50}, dissipation tests must be taken to a pressure less than u_{50}. The u_{50} value is half way between the initial maximum pore pressure and the equilibrium pore pressure value, known as u_{100}. To estimate u_{50}, both the initial maximum pore pressure and u_{100} must be known or estimated. Other degrees of dissipations may be considered, particularly for extremely long dissipations.

At any specific degree of dissipation the equilibrium pore pressure (u at t_{100}) must be estimated at the depth of interest. The equilibrium value may be determined from one or more sources such as measuring the value directly (u_{100}), estimating it from other dissipations in the same profile, estimating the phreatic surface and assuming hydrostatic conditions, from nearby soundings, from client provided information, from site observations and/or past experience, or from other site instrumentation.

For calculations of c_h (Teh and Houlsby (1991)), t_{50} values are estimated from the corresponding pore pressure dissipation curve and a rigidity index (I_r) is assumed. For curves having an initial dilatory response in which an initial rise in pore pressure occurs before reaching a peak, the relative time from the peak value is used in determining t_{50}. In cases where the time to peak is excessive, t_{50} values are not calculated.

Due to possible inherent uncertainties in estimating I_r, the equilibrium pore pressure and the effect of an initial dilatory response on calculating t_{50}, other methods should be applied to confirm the results for c_h.

Additional published methods for estimating the coefficient of consolidation from a piezocone test are described in Burns and Mayne (1998, 2002), Jones and Van Zyl (1981), Robertson et al. (1992) and Sully et al. (1999).

A summary of the pore pressure dissipation tests and dissipation plots are presented in the relevant appendix.

References

Burns, S.E. and Mayne, P.W., 1998, "Monotonic and dilatory pore pressure decay during piezocone tests", Canadian Geotechnical Journal 26 (4): 1063-1073. DOI: 1063-1073/T98-062.

Burns, S.E. and Mayne, P.W., 2002, "Analytical cavity expansion-critical state model cone dissipation in fine-grained soils", Soils & Foundations, Vol. 42(2): 131-137.

Jones, G.A. and Van Zyl, D.J.A., 1981, "The piezometer probe: a useful investigation tool", Proceedings, 10th International Conference on Soil Mechanics and Foundation Engineering, Vol. 3, Stockholm: 489-495.

Robertson, P.K., Sully, J.P., Woeller, D.J., Lunne, T., Powell, J.J.M. and Gillespie, D.G., 1992, "Estimating coefficient of consolidation from piezocone tests", Canadian Geotechnical Journal, 29(4): 539-550. DOI: 10.1139/T92-061.

Sully, J.P., Robertson, P.K., Campanella, R.G. and Woeller, D.J., 1999, "An approach to evaluation of field CPTU dissipation data in overconsolidated fine-grained soils", Canadian Geotechnical Journal, 36(2): 369-381. DOI: 10.1139/T98-105.

Teh, C.I., and Houlsby, G.T., 1991, "An analytical study of the cone penetration test in clay", Geotechnique, 41(1): 17-34. DOI: 10.1680/geot.1991.41.1.17.

The electric field vane system is manufactured by Adara Systems Ltd., a subsidiary of ConeTec. An illustration of the uphole vane system configuration is presented in Figure eVST.

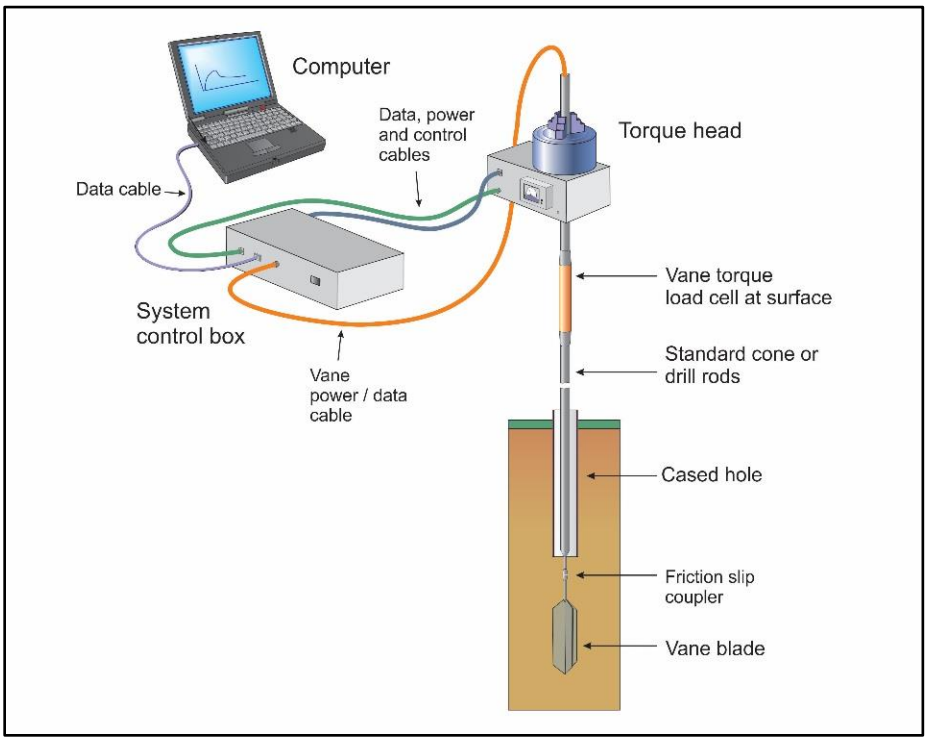


Figure eVST. Illustration of the uphole electric field vane system configuration

The vane system is designed with an array of strain gauges in a load cell that measure the applied torque. The torque signal is amplified and converted to digital data within the tool and transmitted to the data acquisition system through a shielded cable. The system uses a friction slip coupler to permit the free slip or play of approximately fifteen degrees between the rods and the vane blade in order to isolate and record rod friction from the soil before rotation of the vane blade starts. The system is designed to use vane blades of various sizes and configurations that connect to the friction slip coupler. The vane blades manufactured by Adara have dimensions and tolerances that are in general accordance with the current ASTM D2573 standards. In very soft soil conditions and at the request of the client, ConeTec may use a large diameter vane blade that exceeds the ASTM D2573 maximum size specifications in order to maximize torque resolution. In very stiff soil conditions and at the request of the client, ConeTec may use a smaller diameter vane blade than the minimum size specified in ASTM D2573 in order to obtain a peak torque below the capacity of the load cell.

The electric motor (capable of 100 Newton-meters of torque) is designed to clamp onto and rotate the rods and vane blade at a constant rate.

ConeTec's calibration criteria of the load cells are in accordance with the current ASTM D2573 standard.

The data acquisition system consists of a computer that records the vane data every 0.2 degrees of rotation. The system records the following parameters and saves them to a file as the test is conducted:

- Torque in Newton-meters
- Rotation in degrees
- Elapsed time in seconds (from the start of the test)

All testing is performed in accordance to ConeTec's field vane testing operating procedures and in general accordance with the current ASTM D2573 standard. For additional information on vane shear testing refer to Greig et al. (1987).

Prior to the start of a vane shear test profile, a suitable sized vane blade is selected, the vane system is powered on and the vane load cell baseline reading is recorded with the load cell hanging freely in a vertical position.

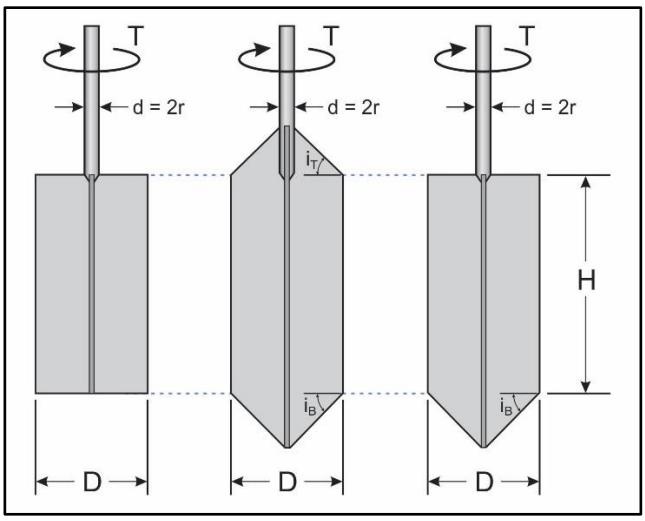
The vane blade, slip coupler and rods are advanced to the desired test depth through a cased hole, typically using AWJ drill rods or one-meter length rods with an outer diameter of 1.5 inches (38.1 millimeters). Test depths are referenced to the middle of the rectangular portion of the vane blade. The motor rotates the rods at a near constant rate up to and beyond the yield stress (peak) until the load remains near constant (post peak). Following post peak readings, the vane blade is then rapidly rotated clockwise ten times to completely remold the soil. The test procedure is repeated in order to record the remolded strength of the soil. The vane blade is then advanced to the next depth and the procedure is repeated or the vane blade is retracted to allow for drilling and vane blade size changes. Once the vane profile is complete, the final baseline of the load cell is recorded and compared to previous reading as a QA/QC check.

Undrained shear strength from the field vane, $(S_u)_{fv}$, is calculated from torque measurements using the following general equation (ASTM D2573) taking into consideration the case of rectangular or tapered ends at the top and/or bottom of the vane blade.

$$(S_u)_{fv} = \frac{12 \cdot T_{max}}{\pi D^2 \left(\frac{D}{\cos(i_T)} + \frac{D}{\cos(i_B)} + 6H \right)}$$

where:

$(S_u)_{fv}$	=	undrained shear strength from the field vane
T_{max}	=	maximum value of torque
D	=	vane diameter
H	=	height of the rectangular portion of the vane
i_T	=	angle of taper at vane top (with respect to horizontal)
i_B	=	angle of taper at vane bottom (with respect to horizontal)



For rectangular vane blades where H/D = 2, the above equation simplifies to:

$$(S_u)_{fv} = \frac{6 \cdot T_{max}}{7\pi D^3}$$

The recorded rod friction is subtracted from the peak and remolded torque. No correction factors are applied to the vane results to derive the mobilized shear strength ($\tau_{mobilized}$).

A summary of the vane shear tests, a table of results and individual VST plots are provided in the relevant appendices. Tabular data in Excel format is provided in the data release folder.

References

ASTM D2573 / D2573M-18, 2018, "Standard Test Method for Field Vane Shear Test in Saturated Fine-Grained Soils", ASTM International, West Conshohocken, PA. DOI: 10.1520/D2573_D2573M-18.

Greig, J.W., R.G. Campanella and P.K. Robertson, 1987, "Comparison of Field Vane Results With Other In-Situ Test Results", International Symposium on Laboratory and Field Vane Shear Strength Testing, ASTM, Tampa, FL, Proceedings.

The appendices listed below are included in the report:

- Cone Penetration Test Summary and Standard Cone Penetration Test Plots
- Advanced Cone Penetration Test Plots
- Seismic Cone Penetration Test Plots
- Seismic Cone Penetration Test Shear Wave (Vs) Tabular Results
- Seismic Cone Penetration Test Shear Wave (Vs) Traces
- Seismic Cone Penetration Test Compression Wave (Vp) Tabular Results
- Seismic Cone Penetration Test Compression Wave (Vp) Traces
- Seismic Cone Penetration Test Poisson's Ratio Tabular Results
- Soil Behaviour Type (SBT) Scatter Plots
- Pore Pressure Dissipation Summary and Pore Pressure Dissipation Plots
- Description of Methods for Calculated CPT Geotechnical Parameters
- Electric Field Vane Shear Test Profile Summary and Results
- Electric Field Vane Shear Test Plots

Cone Penetration Test Summary and Standard Cone Penetration Test Plots

CONETEC

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date From	Date To	Cone	Cone Area (cm^2)	Assumed Phreatic Surface[1] (m)	Final Depth (m)	Northing[2] (m)	Easting[2] (m)	Refer to Notation Number
SRK-HG-CPT-01	21-02-23004_SPHG01	02-Mar-2022	03-Mar-2022	728:T1500F15U35	15	0.7	25.325	5408071	471295	9
SRK-HG-CPT-03	21-02-23004_SPHG03	01-Mar-2022	02-Mar-2022	728:T1500F15U35	15	0.4	28.050	5408671	471268	
SRK-LG-CPT-01	21-02-23004_SPLG01	05-Mar-2022	05-Mar-2022	728:T1500F15U35	15	-0.4	1.000	5409698	470923	4, 7
SRK-LG-CPT-01B	21-02-23004_SPLG01B	05-Mar-2022	05-Mar-2022	728:T1500F15U35	15	-0.4	22.875	5409698	470922	
SRK-LG-CPT-02	21-02-23004_SPLG02	26-Feb-2022	27-Feb-2022	728:T1500F15U35	15	0.0	31.325	5409965	471545	3
SRK-LG-CPT-03	21-02-23004_SPLG03	21-Mar-2022	22-Mar-2022	726:T1500F15U35	15	0.1	21.200	5410683	471895	3, 6
SRK-LG-CPT-05	21-02-23004_SPLG05	25-Nov-2021	26-Nov-2021	726:T1500F15U35	15	1.0	14.350	5411982	470413	3
SRK-LG-CPT-06	21-02-23004_SPLG06	06-Mar-2022	06-Mar-2022	728:T1500F15U35	15	-0.2	10.500	5411216	470955	
SRK-LGS-CPT-01	21-02-23004_SPLGS01	21-Nov-2021	21-Nov-2021	728:T1500F15U35	15	0.9	5.150	5412363	471373	3
SRK-LGS-CPT-05	21-02-23004_SPLGS05	21-Nov-2021	23-Nov-2021	726:T1500F15U35	15	0.9	27.350	5410662	470411	3
SRK-NWR-CPT-01	21-02-23004_SPNWR01	12-Nov-2021	12-Nov-2021	726:T1500F15U35	15	3.9	22.400	5411882	472403	5
SRK-NWR-CPT-07	21-02-23004_SPNWR07	16-Nov-2021	16-Nov-2021	726:T1500F15U35	15	1.9	2.300	5412700	472324	
SRK-NWR-CPT-07B	21-02-23004_SPNWR07B	16-Nov-2021	16-Nov-2021	726:T1500F15U35	15	1.9	2.300	5412700	472322	
SRK-OP-CPT-01	21-02-23004_SP01	06-Dec-2021	06-Dec-2021	751:T1500F15U35	15		1.875	5410248	473125	8
SRK-OP-CPT-01B	21-02-23004_SP01B	06-Dec-2021	06-Dec-2021	751:T1500F15U35	15		2.025	5410247	473125	8
SRK-OP-CPT-01C	21-02-23004_SP01C	06-Dec-2021	07-Dec-2021	751:T1500F15U35	15	5.2	18.025	5410248	473124	10
SRK-OP-CPT-02	21-02-23004_SP02	19-Nov-2021	19-Nov-2021	726:T1500F15U35	15	3.5	11.775	5410196	474519	
SRK-OP-CPT-03	21-02-23004_CP03	11-Jan-2022	11-Jan-2022	726:T1500F15U35	15	1.4	9.100	5410296	475143	
SRK-OP-CPT-04	21-02-23004_CP04	15-Jan-2022	15-Jan-2022	726:T1500F15U35	15	0.1	9.575	5409303	474418	
SRK-OP-CPT-05	21-02-23004_SP05	13-Oct-2021	13-Oct-2021	726:T1500F15U35	15	0.9	5.650	5408407	474640	4, 19
SRK-OP-CPT-05B	21-02-23004_SP05B	13-Oct-2021	13-Oct-2021	726:T1500F15U35	15	0.9	6.200	5408406	474640	
SRK-OP-CPT-06	21-02-23004_SP06	07-Feb-2022	09-Feb-2022	728:T1500F15U35	15	3.5	27.425	5407893	474048	
SRK-OP-CPT-08	21-02-23004_SP08	23-Feb-2022	25-Feb-2022	728:T1500F15U35	15	0.4	24.275	5408030	472336	
SRK-OP-CPT-09	21-02-23004_SP09	18-Feb-2022	20-Feb-2022	728:T1500F15U35	15	1.2	28.925	5409526	472192	

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date From	Date To	Cone	Cone Area (cm^2)	Assumed Phreatic Surface[1] (m)	Final Depth (m)	Northing[2] (m)	Easting[2] (m)	Refer to Notation Number
SRK-OP-CPT-10	21-02-23004_CP10	10-Oct-2021	10-Oct-2021	726:T1500F15U35	15	5.5	12.925	5408842	473666	4
SRK-OP-CPT-10B	21-02-23004_CP10B	10-Oct-2021	10-Oct-2021	726:T1500F15U35	15	5.5	28.375	5408841	473666	
SRK-OP-CPT-11	21-02-23004_CP11	08-Oct-2021	08-Oct-2021	726:T1500F15U35	15	7.1	14.275	5409862	473288	
SRK-OP-CPT-11B	21-02-23004_CP11B	08-Oct-2021	08-Oct-2021	726:T1500F15U35	15	6.9	14.250	5409861	473288	
SRK-OP-CPT-12	21-02-23004_SP12	21-Feb-2022	22-Feb-2022	728:T1500F15U35	15	2.2	33.875	5408932	472473	
SRK-OP-CPT-16	21-02-23004_SP16	20-Mar-2022	21-Mar-2022	726:T1500F15U35	15	0.1	24.925	5410337	471939	
SRK-PF-CPT-01	21-02-23004_SPPF01	12-Nov-2021	12-Nov-2021	742:T1500F15U35	15	6.5	25.950	5408142	470434	11, 12
SRK-PF-CPT-02	21-02-23004_SPPF02	15-Nov-2021	15-Nov-2021	728:T1500F15U35	15	3.3	15.250	5407776	470629	13
SRK-PF-CPT-03	21-02-23004_SPPF03	04-Mar-2022	05-Mar-2022	728:T1500F15U35	15	-0.1	34.625	5409119	470714	
SRK-PF-CPT-04	21-02-23004_SPPF04	13-Dec-2021	14-Dec-2021	751:T1500F15U35	15	2.3	40.000	5409119	469800	18
SRK-SOS-CPT-02	21-02-23004_SPSOS02	12-Mar-2022	13-Mar-2022	728:T1500F15U35	15	0.5	26.425	5407602	473543	
SRK-TSF-CPT-01	21-02-23004_SPTSF01	17-Jan-2022	18-Jan-2022	726:T1500F15U35	15	2.9	21.050	5409898	475833	14
SRK-TSF-CPT-01A	21-02-23004_SPTSF01A	19-Jan-2022	19-Jan-2022	726:T1500F15U35	15	0.5	9.525	5408892	475514	3
SRK-TSF-CPT-03	21-02-23004_SPTSF03	26-Jan-2022	26-Jan-2022	726:T1500F15U35	15	3.1	12.075	5407122	476801	15
SRK-TSF-CPT-04	21-02-23004_SPTSF04	30-Jan-2022	30-Jan-2022	751:T1500F15U35	15	-0.2	22.100	5405122	476789	
SRK-TSF-CPT-06	21-02-23004_CPTSF06	30-Oct-2021	30-Oct-2021	726:T1500F15U35	15	2.7	24.800	5405098	473061	
SRK-TSF-CPT-07	21-02-23004_CPTSF07	06-Nov-2021	06-Nov-2021	742:T1500F15U35	15	0.2	6.025	5405840	471108	
SRK-TSF-CPT-08	21-02-23004_SPTSF08	24-Oct-2021	24-Oct-2021	726:T1500F15U35	15	2.2	18.300	5406528	473370	
SRK-TSF-CPT-09	21-02-23004_SPTSF09	05-Feb-2022	05-Feb-2022	751:T1500F15U35	15	0.5	9.400	5408311	475241	3
SRK-TSF-CPT-10	21-02-23004_SPTSF10	22-Jan-2022	22-Jan-2022	726:T1500F15U35	15	2.5	18.925	5408198	476077	
SRK-TSF-CPT-11	21-02-23004_CPTSF11	14-Mar-2022	15-Mar-2022	728:T1500F15U35	15	1.1	25.275	5405754	474678	
SRK-TSF-CPT-13	21-02-23004_SPTSF13	24-Jan-2022	25-Jan-2022	726:T1500F15U35	15	0.1	9.900	5408237	476950	3
SRK-TSF-CPT-14	21-02-23004_SPTSF14	21-Oct-2021	21-Oct-2021	726:T1500F15U35	15	1.3	23.650	5406441	474817	
SRK-TSF-CPT-15	21-02-23004_SPTSF15	10-Feb-2022	10-Feb-2022	728:T1500F15U35	15	3.3	10.000	5407081	475195	

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date From	Date To	Cone	Cone Area (cm^2)	Assumed Phreatic Surface[1] (m)	Final Depth (m)	Northing[2] (m)	Easting[2] (m)	Refer to Notation Number
SRK-TSF-CPT-17	21-02-23004_SPTSF17	10-Mar-2022	11-Mar-2022	728:T1500F15U35	15	1.5	22.400	5405900	472155	16
SRK-TSF-CPT-18	21-02-23004_SPTSF18	02-Feb-2022	03-Feb-2022	751:T1500F15U35	15	0.0	25.950	5405711	476778	
SRK-TSF-CPT-20	21-02-23004_SPTSF20	25-Mar-2022	26-Mar-2022	726:T1500F15U35	15	0.1	22.725	5403609	473200	17
SRK-TSF-CPT-21	21-02-23004_SPTSF21	23-Mar-2022	24-Mar-2022	726:T1500F15U35	15	2.2	20.875	5401925	473365	
SRK-TSF-CPT-23	21-02-23004_SPTSF23	18-Mar-2022	19-Mar-2022	726:T1500F15U35	15	1.1	24.025	5403417	476616	
SRK-TSF-CPT-29	21-02-23004_CPTSF29	16-Mar-2022	17-Mar-2022	726:T1500F15U35	15	-0.8	25.150	5404247	476764	
SRK-TSF-CPT-102	21-02-23004_SPTSF102	27-Nov-2021	28-Nov-2021	726:T1500F15U35	15	5.1	26.950	5408278	468244	
SRK-WOS-CPT-01	21-02-23004_SPWOS01	28-Feb-2022	01-Mar-2022	728:T1500F15U35	15	0.2	21.475	5409115	471903	
SRK-WRD-CPT-10	21-02-23004_SPWRD10	08-Jan-2022	09-Jan-2022	726:T1500F15U35	15	0.1	19.400	5410758	474460	
SRK-WRD-CPT-14	21-02-23004_SPWRD14	12-Feb-2022	13-Feb-2022	728:T1500F15U35	15	-0.7	12.575	5412880	471711	
SRK-WRD-CPT-15	21-02-23004_SPWRD15	16-Feb-2022	16-Feb-2022	728:T1500F15U35	15	0.9	8.750	5412030	471391	3
SRK-WRD-CPT-16	21-02-23004_SPWRD16	14-Feb-2022	15-Feb-2022	728:T1500F15U35	15	-0.6	9.075	5413770	471455	
SRK-WRD-CPT-17	21-02-23004_SPWRD17	09-Dec-2021	09-Dec-2021	751:T1500F15U35	15	2.6	7.125	5415177	472209	

1. The assumed phreatic surface was based on pore pressure dissipation tests, unless otherwise noted. Equilibrium pore pressure profiles were used for the calculated parameters.
2. Coordinates were acquired using consumer grade GPS equipment, datum: WGS 1984 / UTM Zone 17 North.
3. The assumed phreatic surface was based on the dynamic pore pressure response.
4. The assumed phreatic surface was based on an adjacent CPTu sounding.
5. There is no data between 18.200 - 18.425m due to equipment issues.
6. There is no data between 7.025 - 7.225m and 11.825 - 12.025m due to equipment issues.
7. Seismic velocities could not be calculated because seismic data was collected for one test depth.
8. Unsaturated conditions were assumed for the calculated parameters.
9. There is no data between 0.575 - 0.950m due to equipment issues.
10. There is no data between 9.400 - 9.625m due to equipment issues.
11. Cone 728:T1500F15U35 was used from 1.650 - 25.950m.
12. There is no data between 4.900 - 5.625m and 5.850 - 6.075m due to equipment issues.
13. There is no data between 1.850 - 2.025m due to equipment issues.
14. There is no data between 10.025 - 10.175m due to equipment issues.
15. There is no data between 0.000 - 4.000m due to equipment issues.

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date From	Date To	Cone	Cone Area (cm^2)	Assumed Phreatic Surface[1] (m)	Final Depth (m)	Northing[2] (m)	Easting[2] (m)	Refer to Notation Number

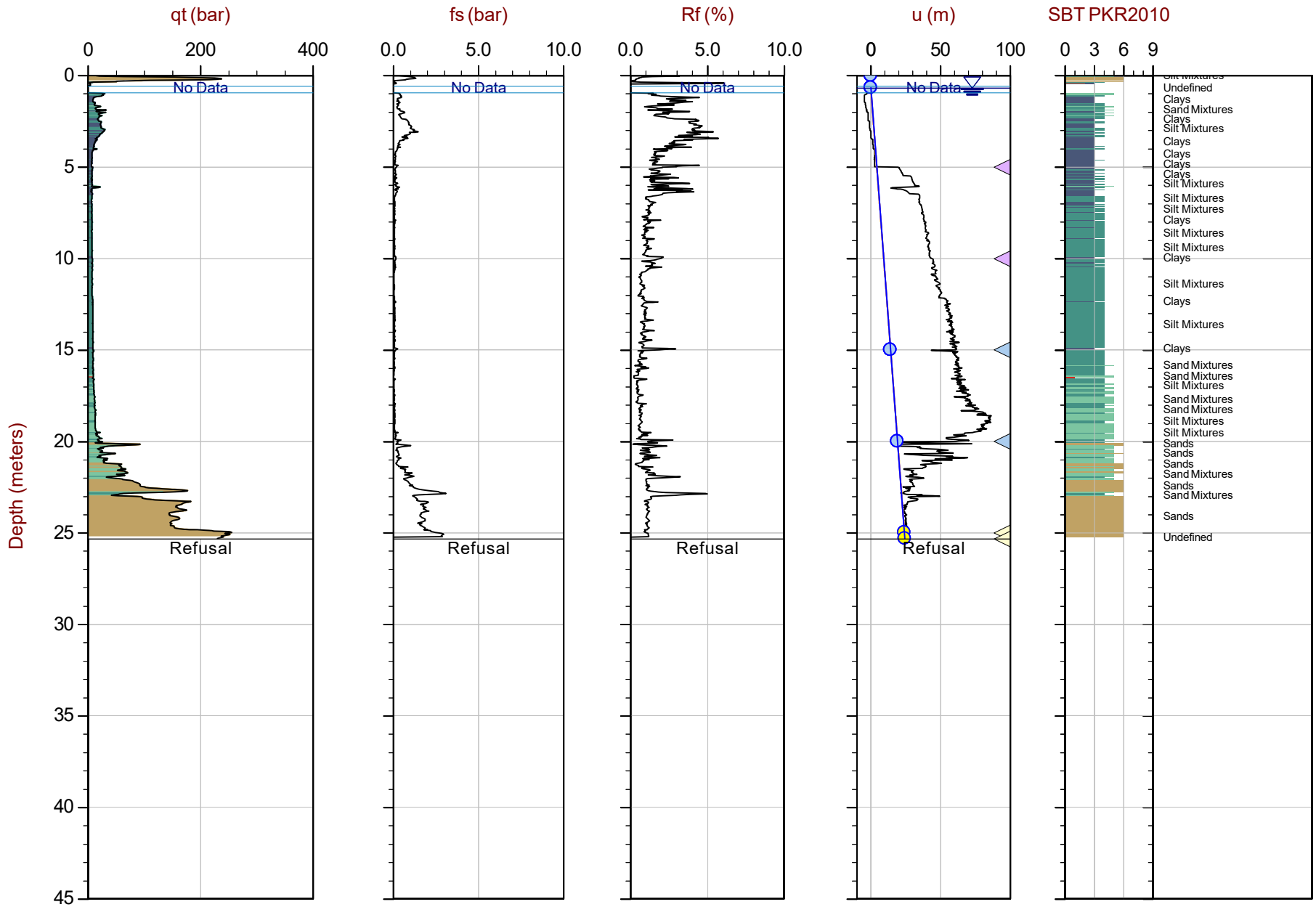
16. There is no data between 0.000 - 2.350m due to equipment issues.
17. There is no data between 4.750 - 4.875m and 11.325 - 11.700m due to equipment issues.
18. The cone potentially intersected a borehole during this push.
19. A shear wave could not be detected.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-02 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35



Max Depth: 25.325 m / 83.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPHG01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408071m E: 471295m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

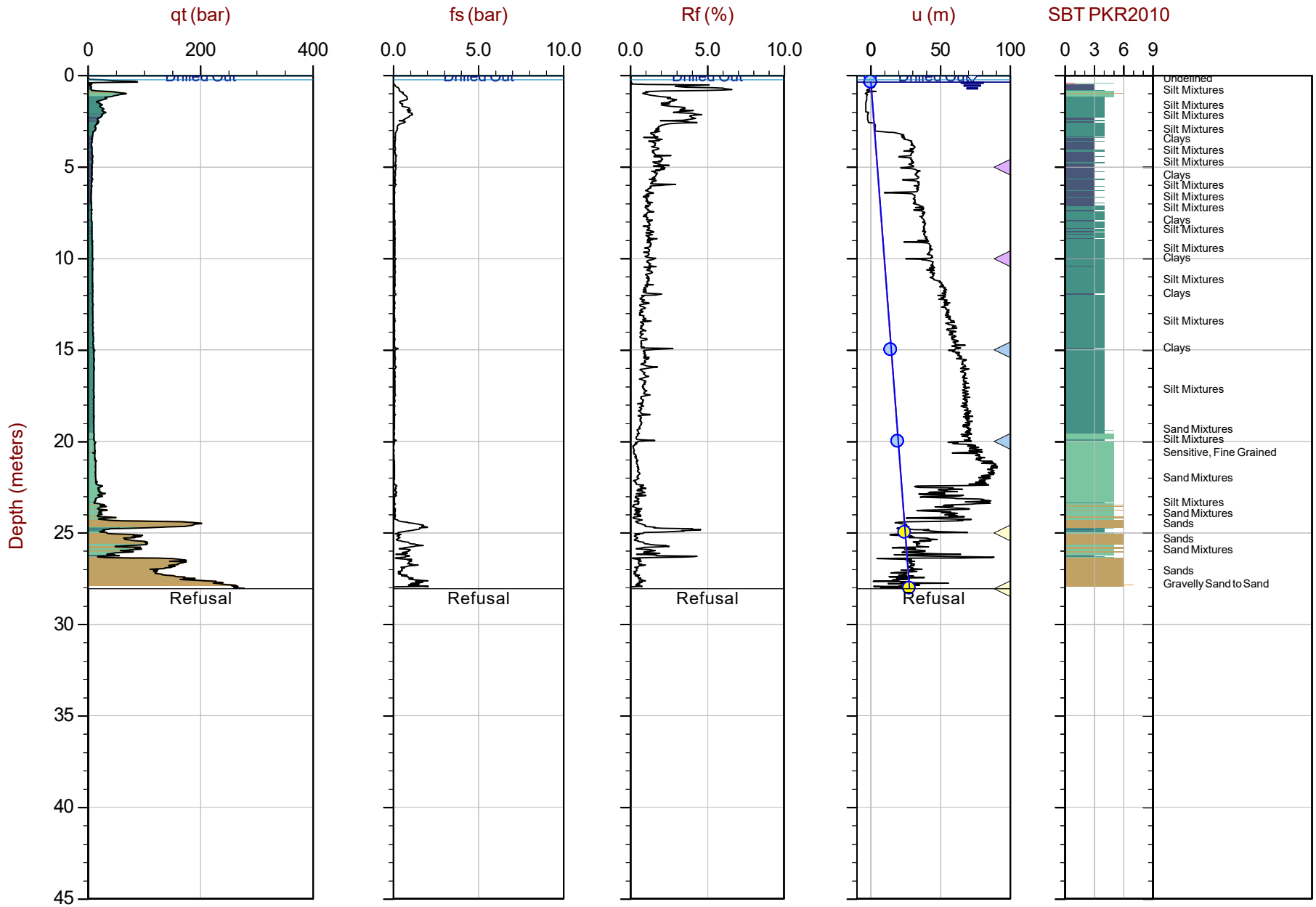
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-01 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35



Max Depth: 28.050 m / 92.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPHG03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408671m E: 471268m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

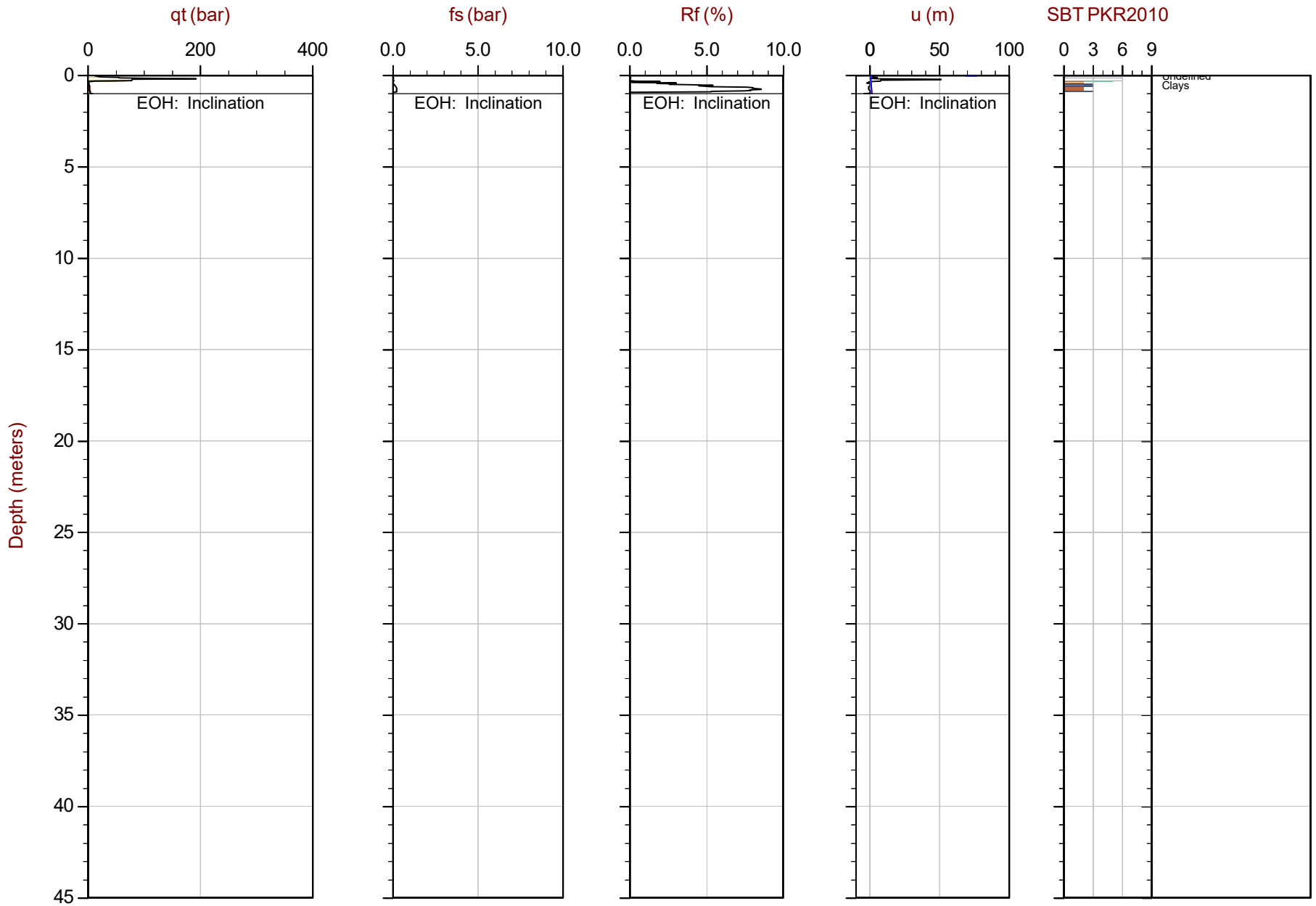
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-05 07:56
Site: Crawford Mine

Sounding: SRK-LG-CPT-01
Cone: 728:T1500F15U35



Max Depth: 1.000 m / 3.28 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409698m E: 470923m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

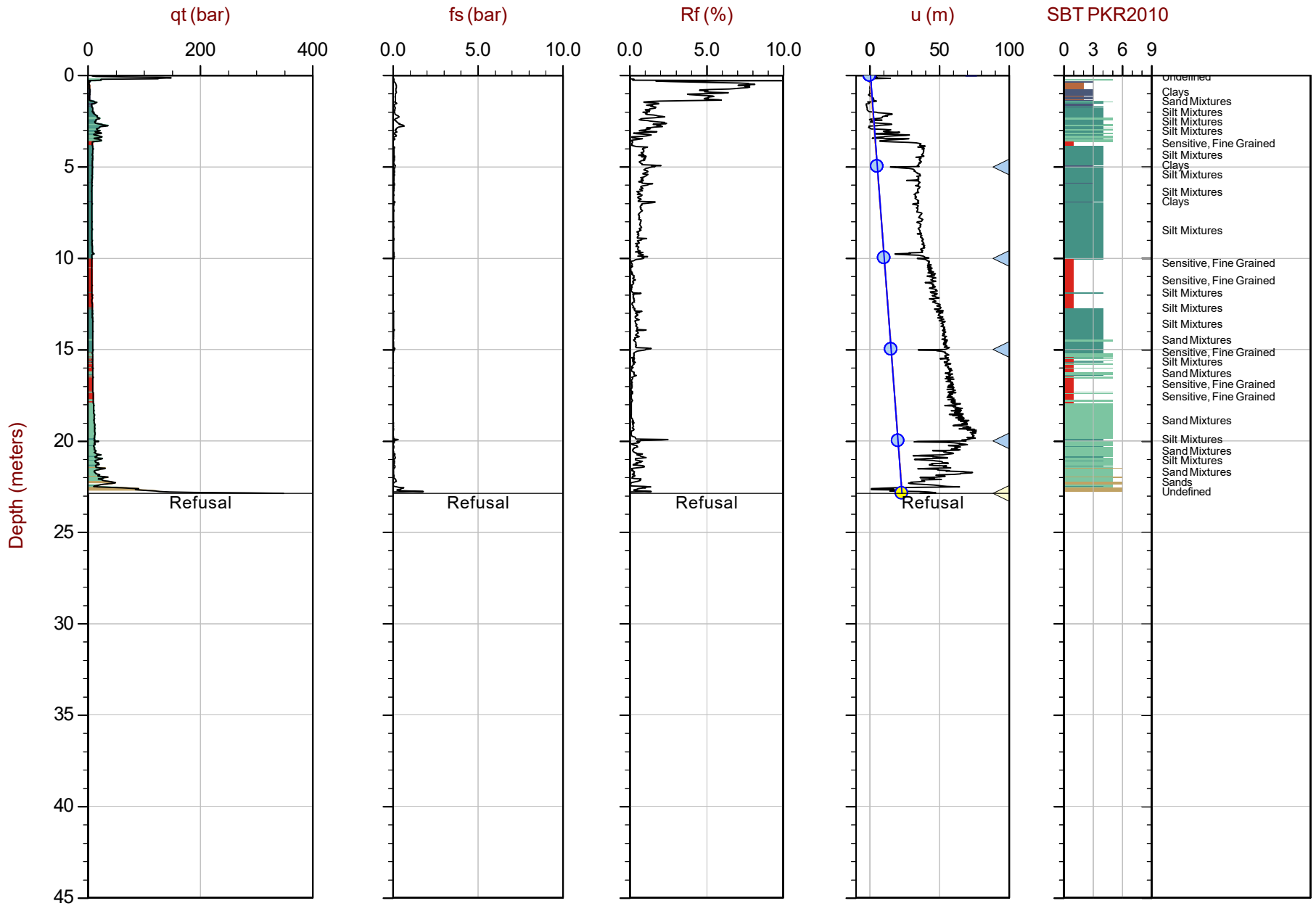
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-05 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35



Max Depth: 22.875 m / 75.05 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG01B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409698m E: 470922m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

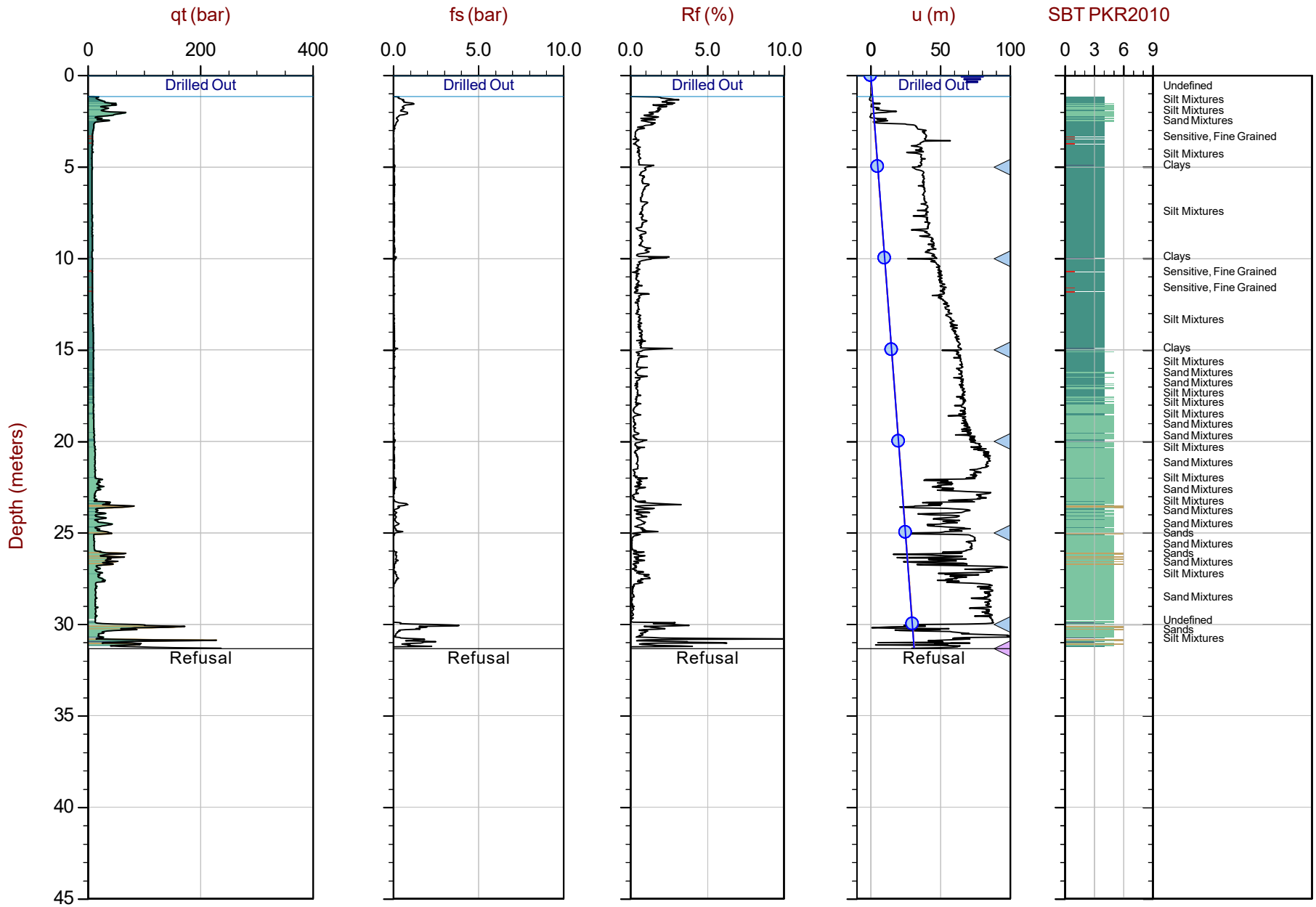
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-26 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35



Max Depth: 31.325 m / 102.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409965m E: 471545m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

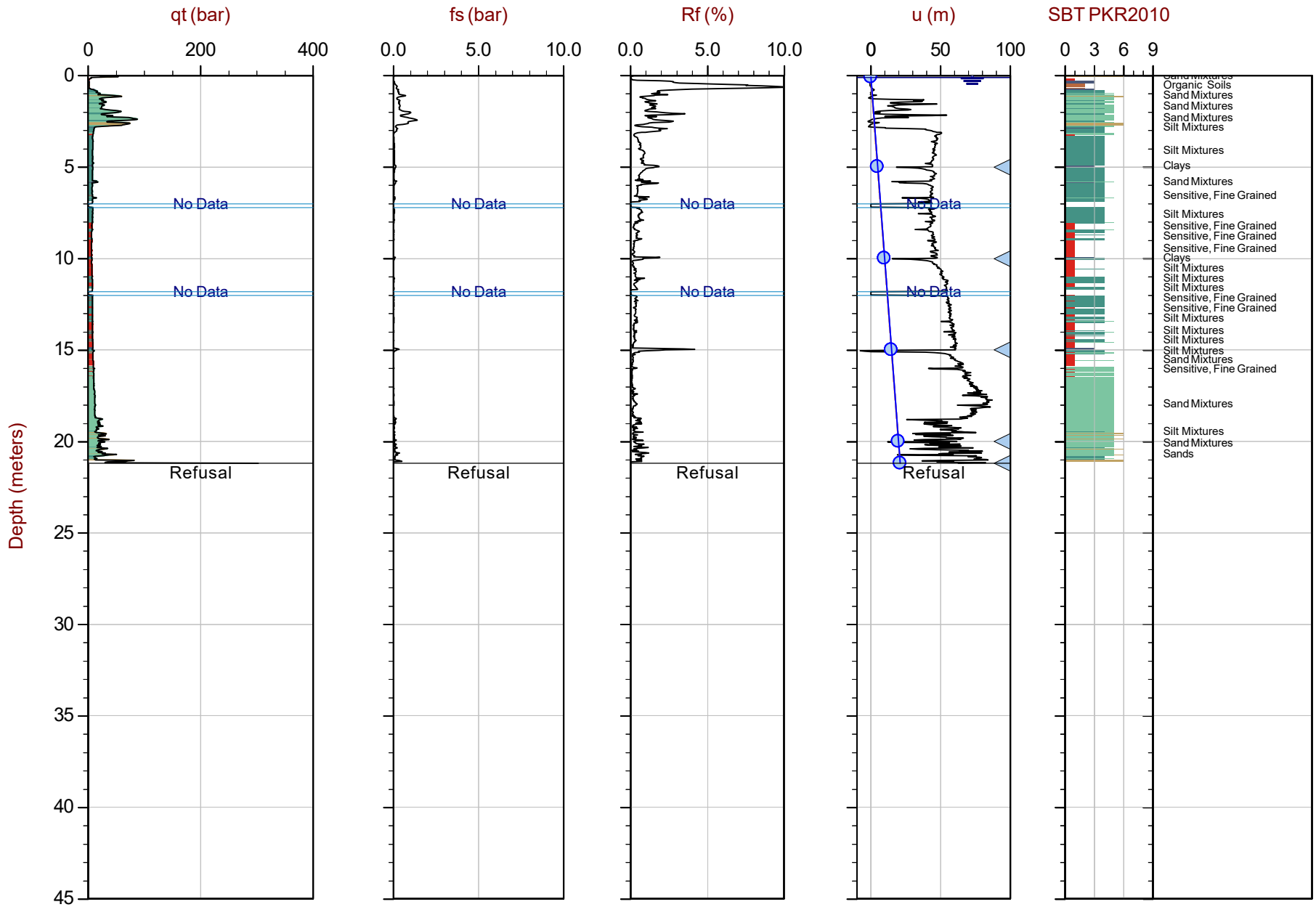
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-21 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35



Max Depth: 21.200 m / 69.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410683m E: 471895m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

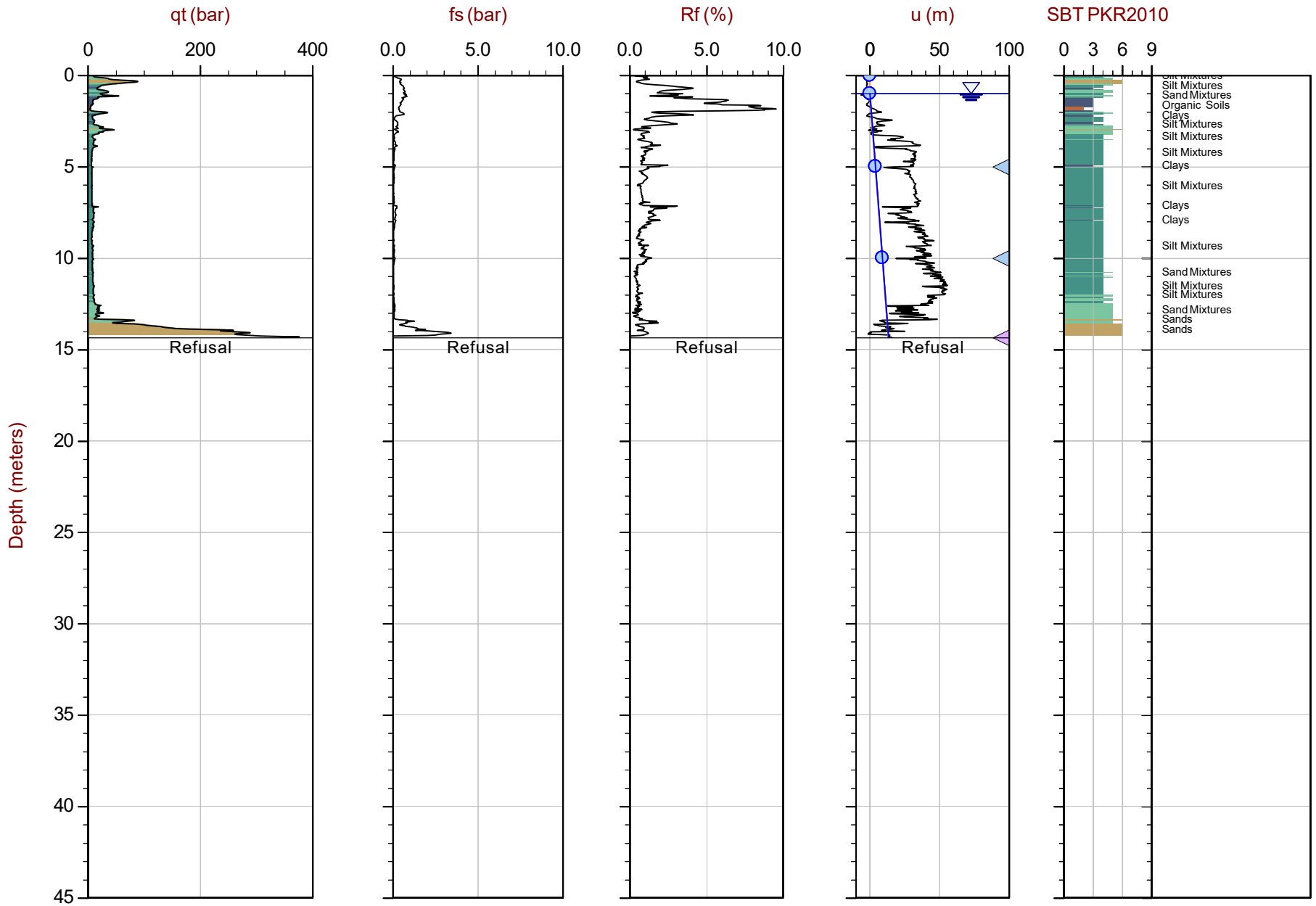
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-25 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35



Max Depth: 14.350 m / 47.08 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG05.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5411982m E: 470413m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

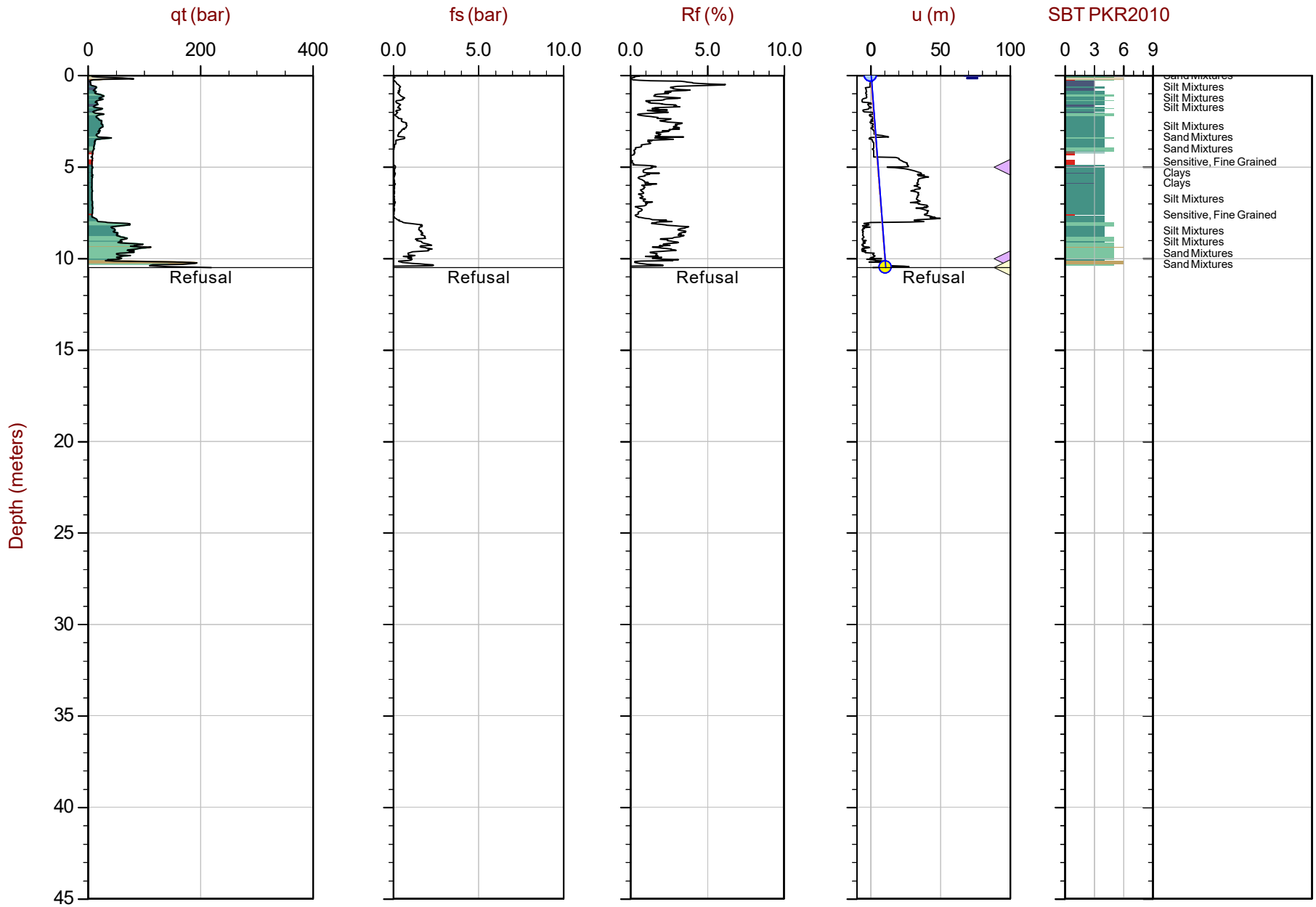
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-06 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35



Max Depth: 10.500 m / 34.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG06.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5411216m E: 470955m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

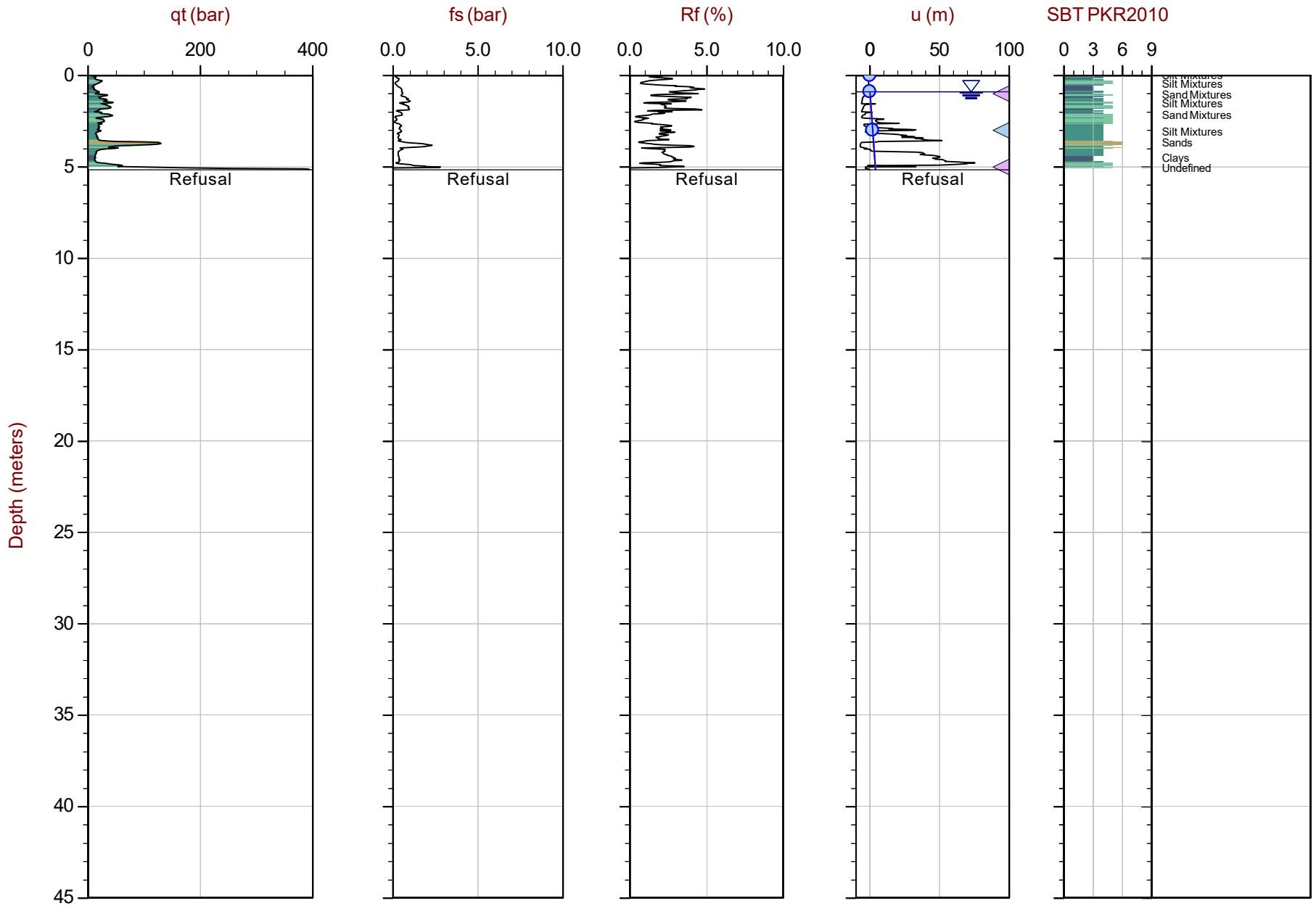
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-21 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35



Max Depth: 5.150 m / 16.90 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLGS01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5412363m E: 471373m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

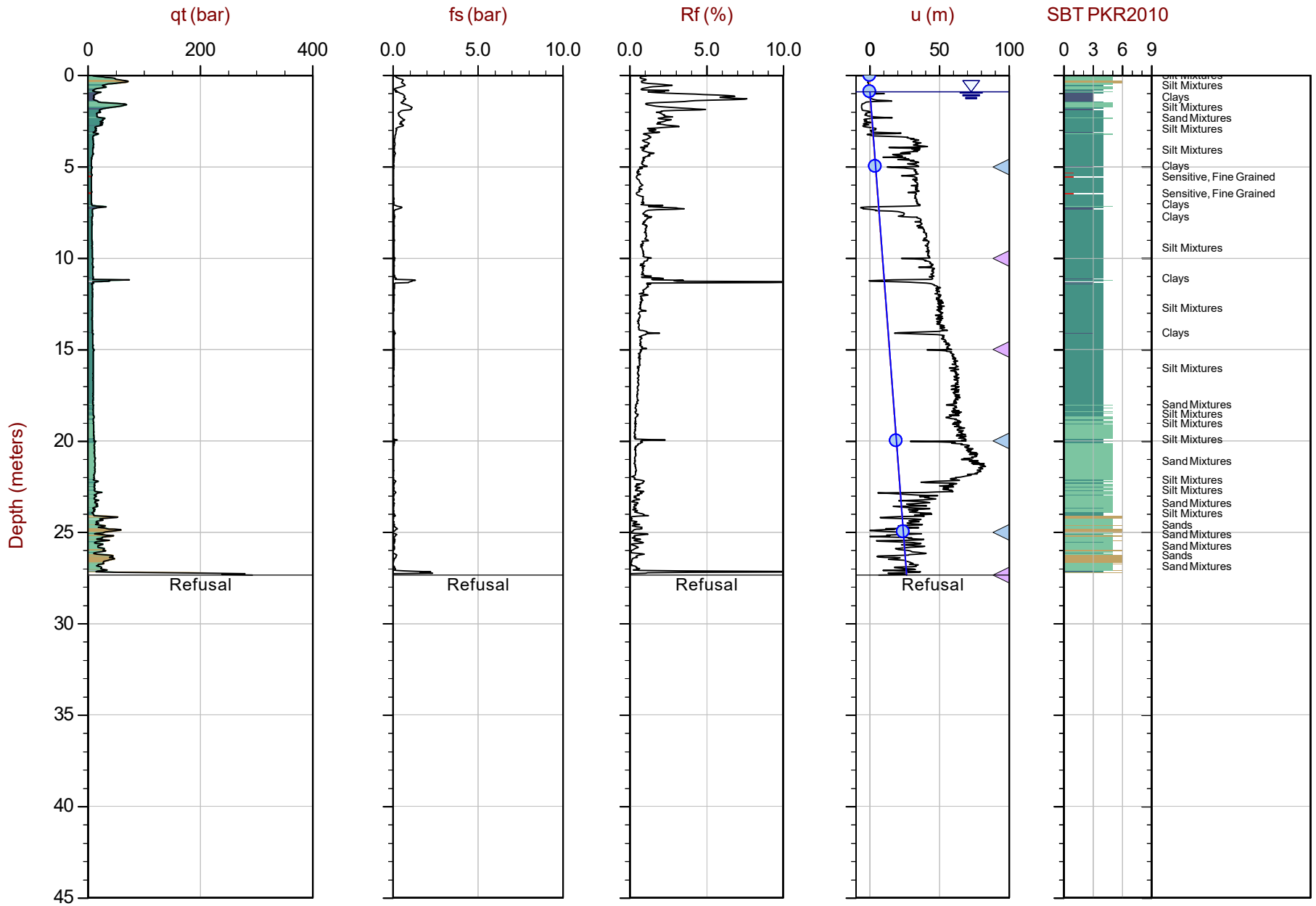
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-21 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35



Max Depth: 27.350 m / 89.73 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLGS05.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410662m E: 470411m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

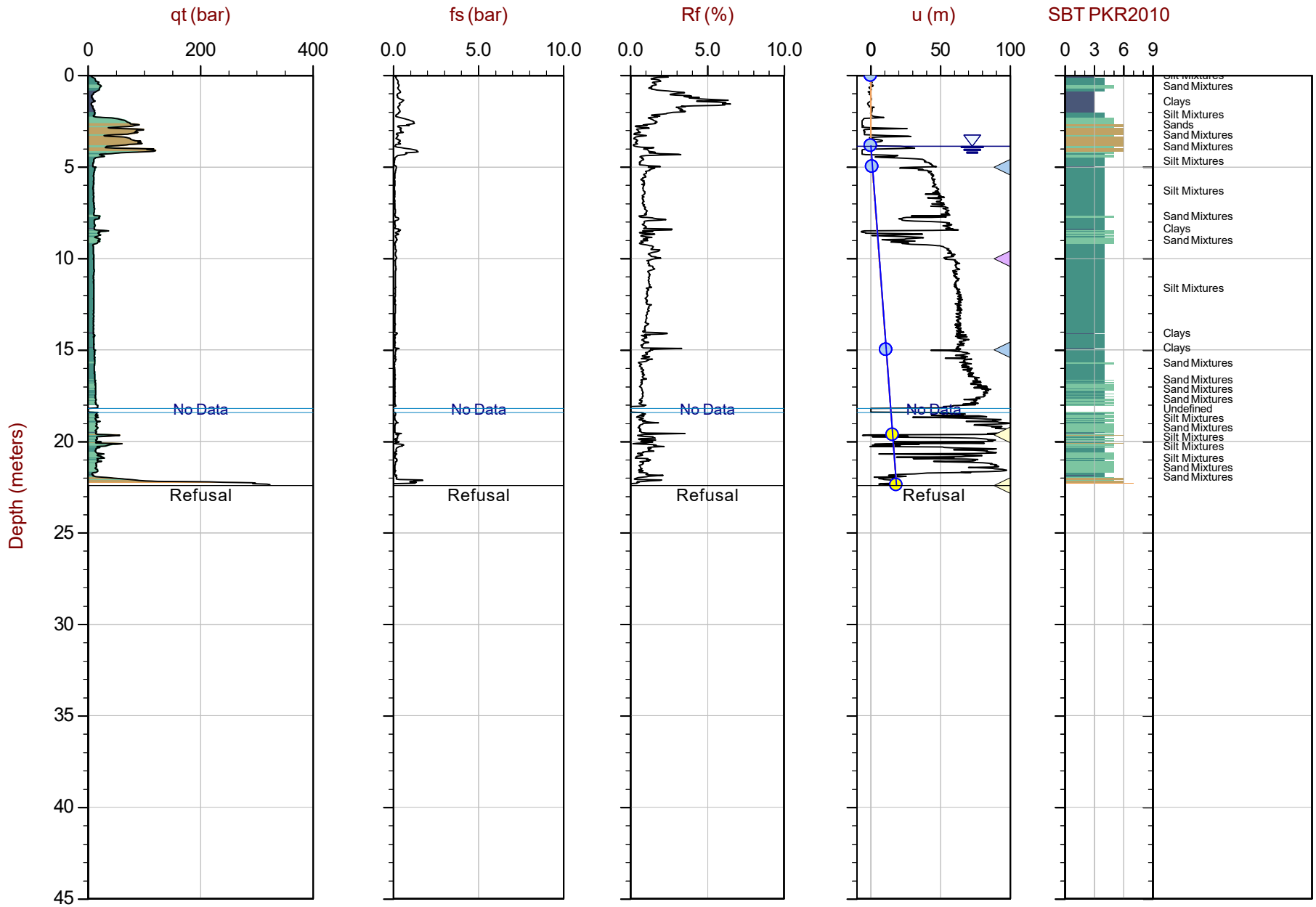
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-12 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35



Max Depth: 22.400 m / 73.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5411882m E: 472403m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

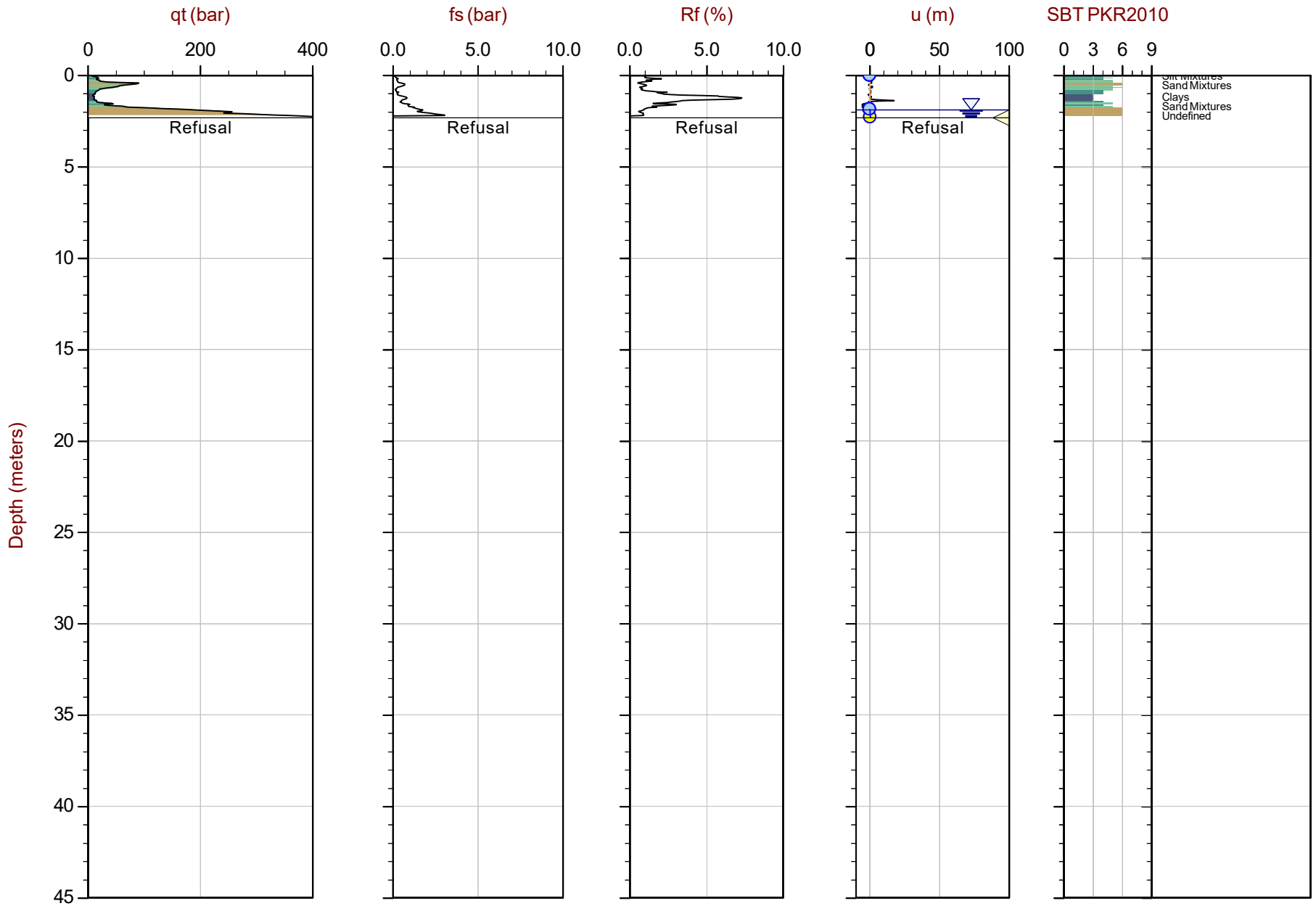
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-16 11:09
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07
Cone: 726:T1500F15U35



Max Depth: 2.300 m / 7.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR07.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5412700m E: 472324m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

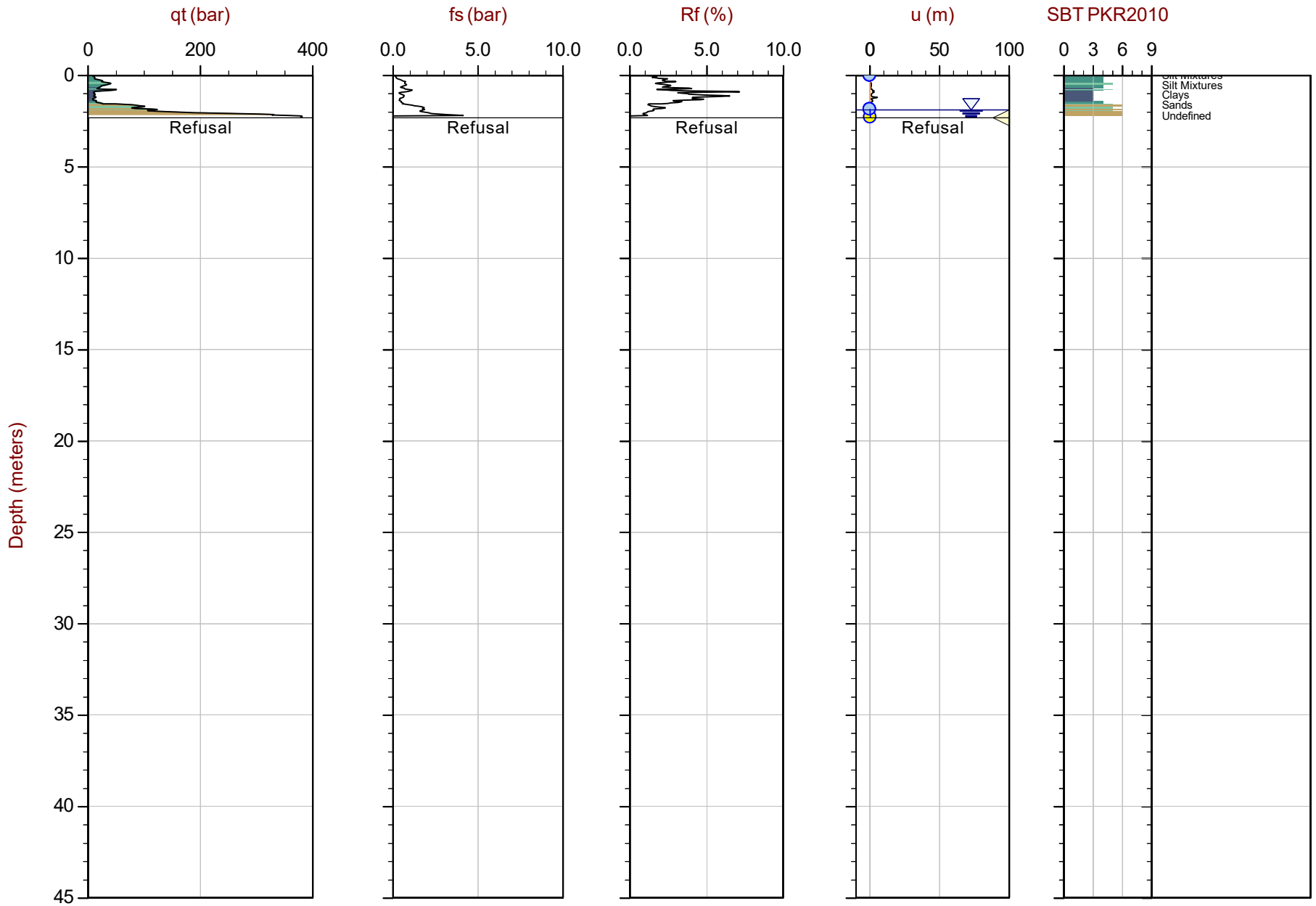
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-16 11:49
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07B
Cone: 726:T1500F15U35



Max Depth: 2.300 m / 7.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR07B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5412700m E: 472322m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

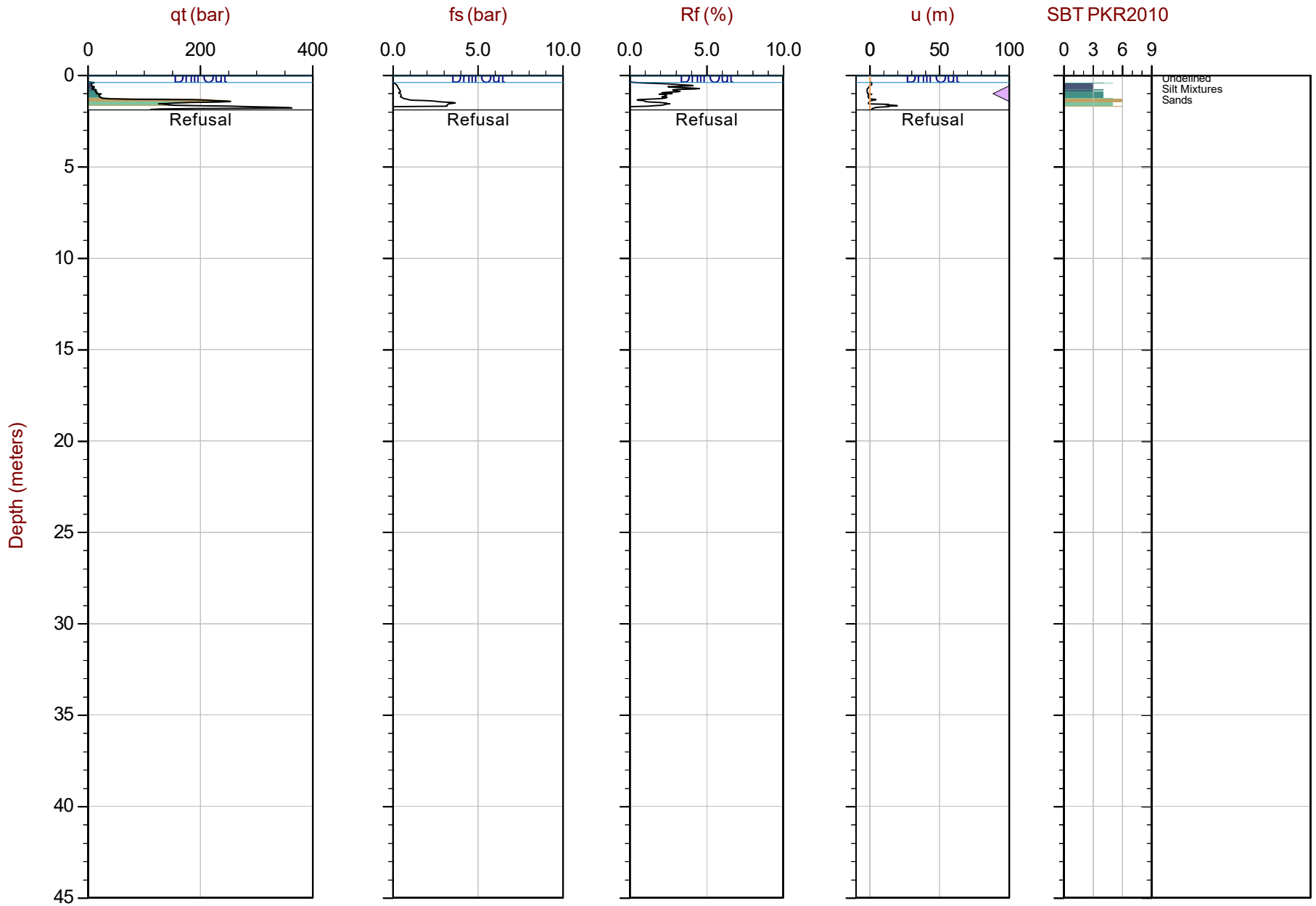
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 10:06
Site: Crawford Mine

Sounding: SRK-OP-CPT-01
Cone: 751:T1500F15U35



Max Depth: 1.875 m / 6.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5410248m E: 473125m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

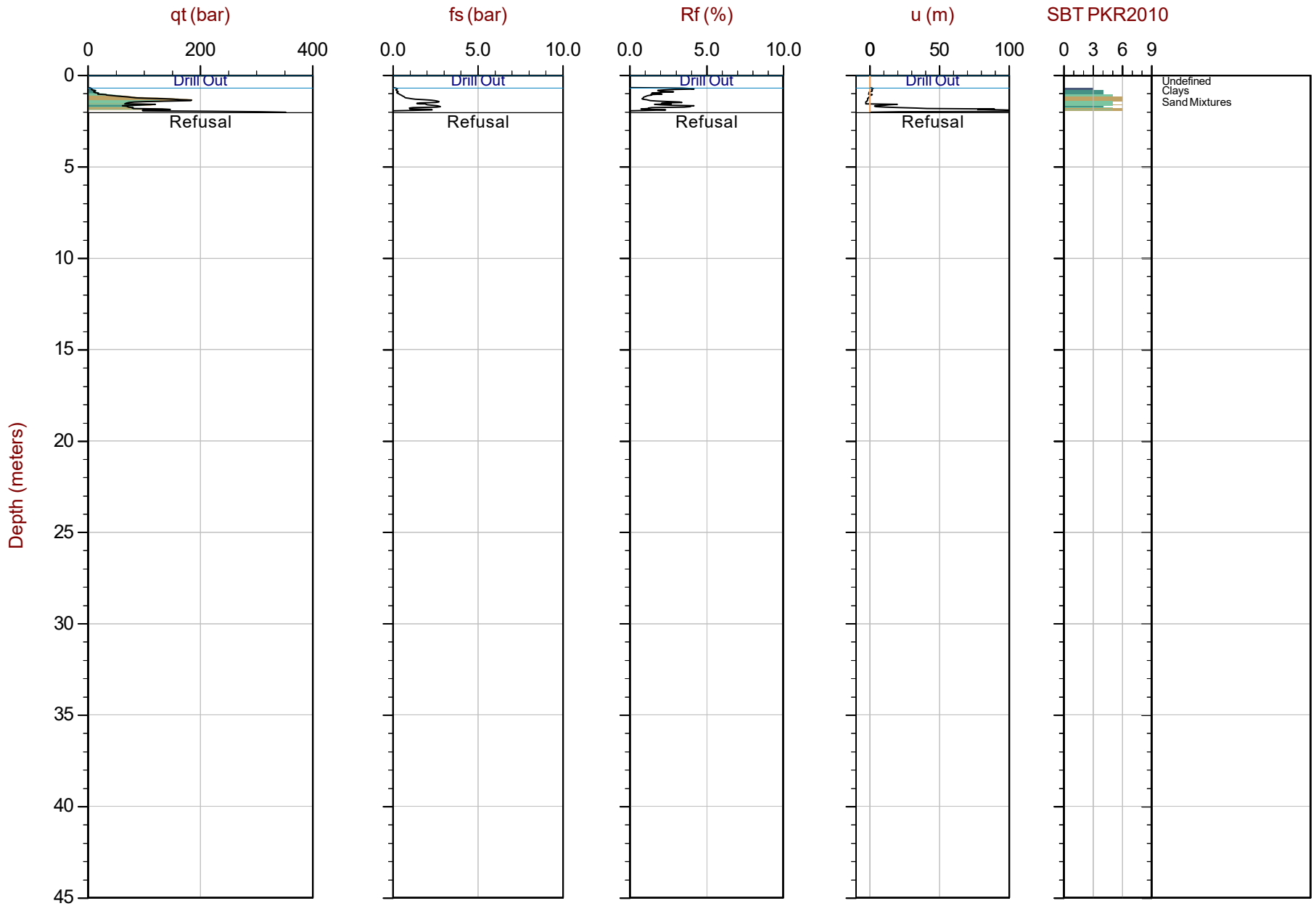
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 11:12
Site: Crawford Mine

Sounding: SRK-OP-CPT-01B
Cone: 751:T1500F15U35



Max Depth: 2.025 m / 6.64 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5410247m E: 473125m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

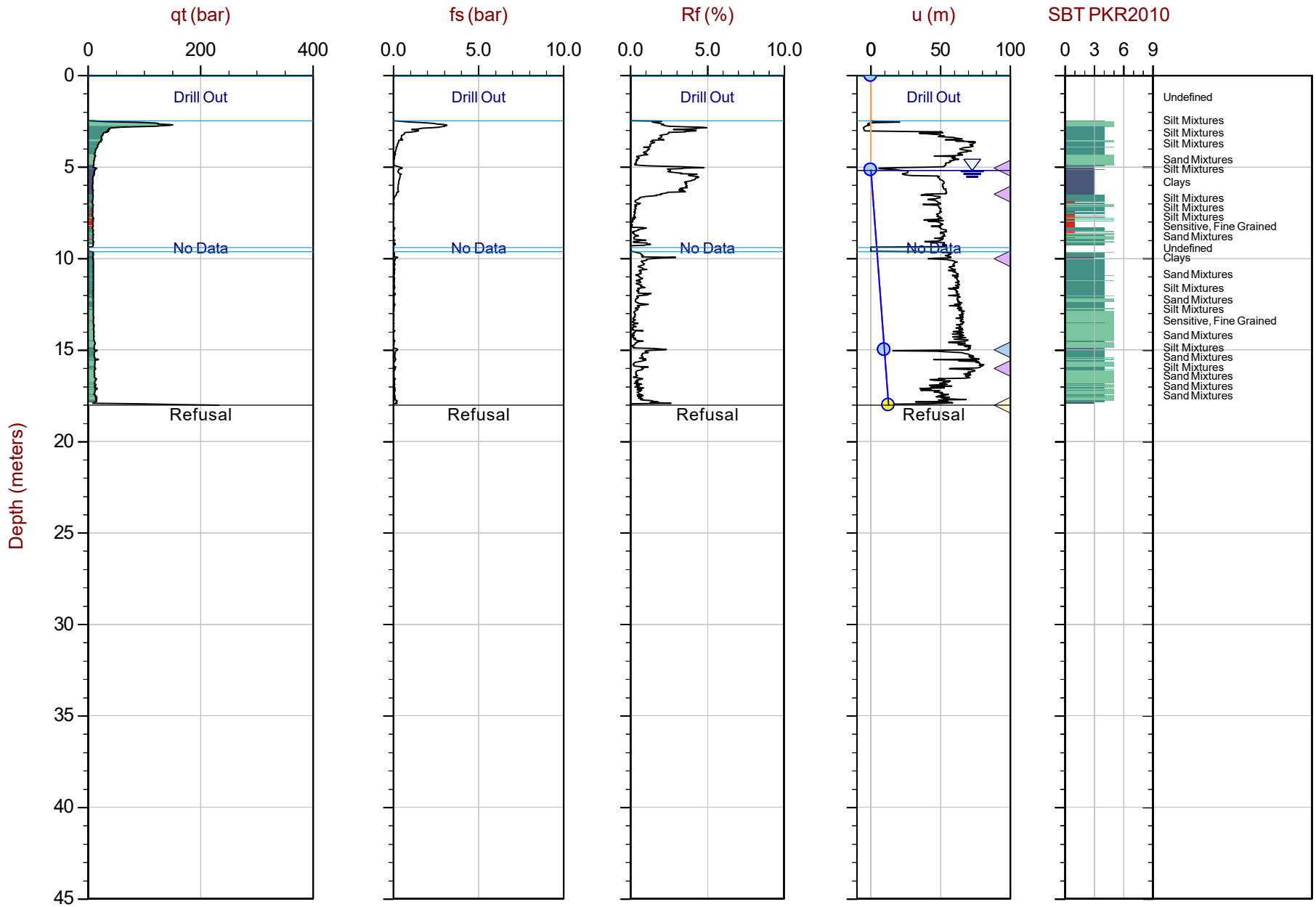
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35



Max Depth: 18.025 m / 59.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01C.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410248m E: 473124m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

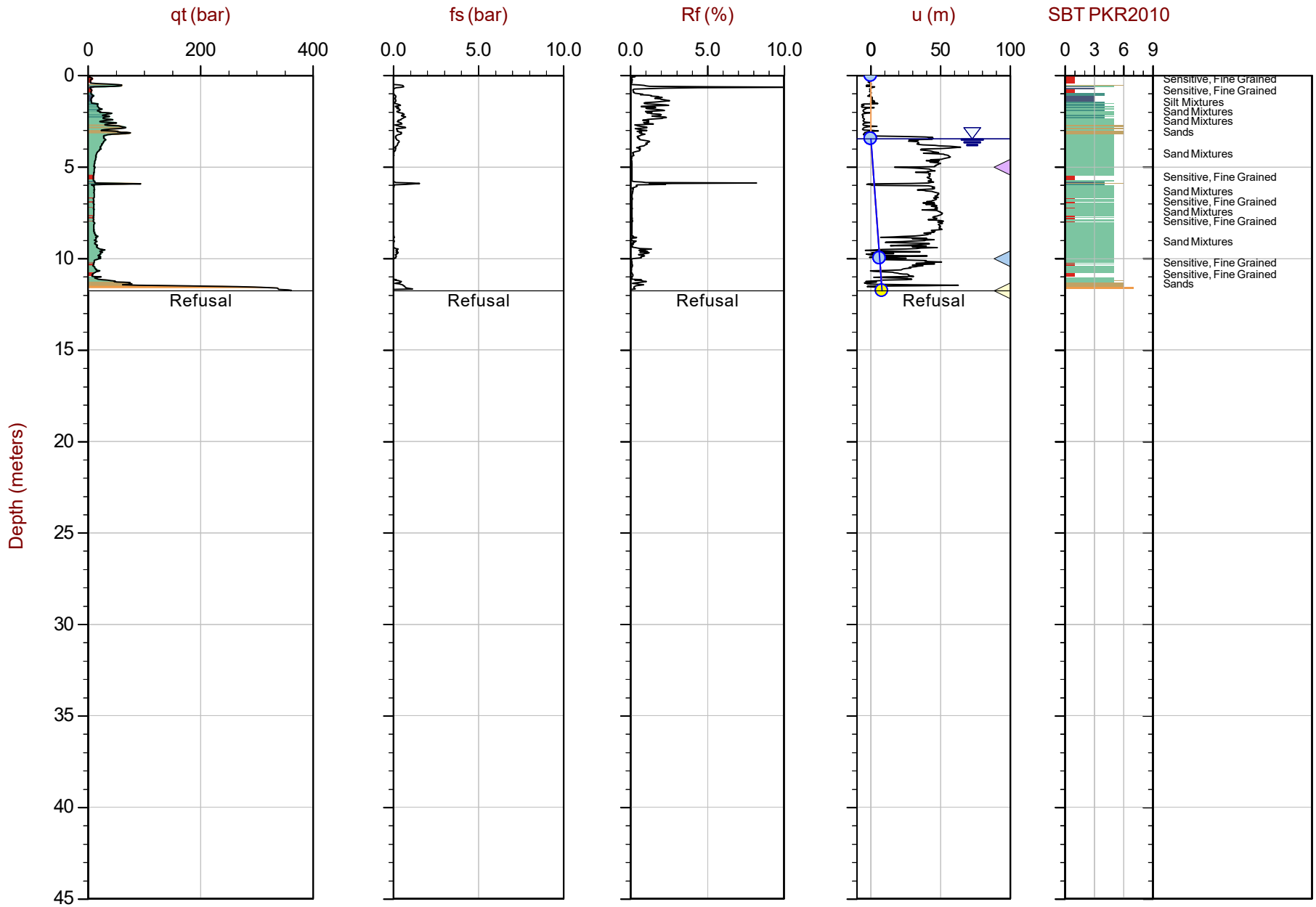
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-19 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35



Max Depth: 11.775 m / 38.63 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5410196m E: 474519m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

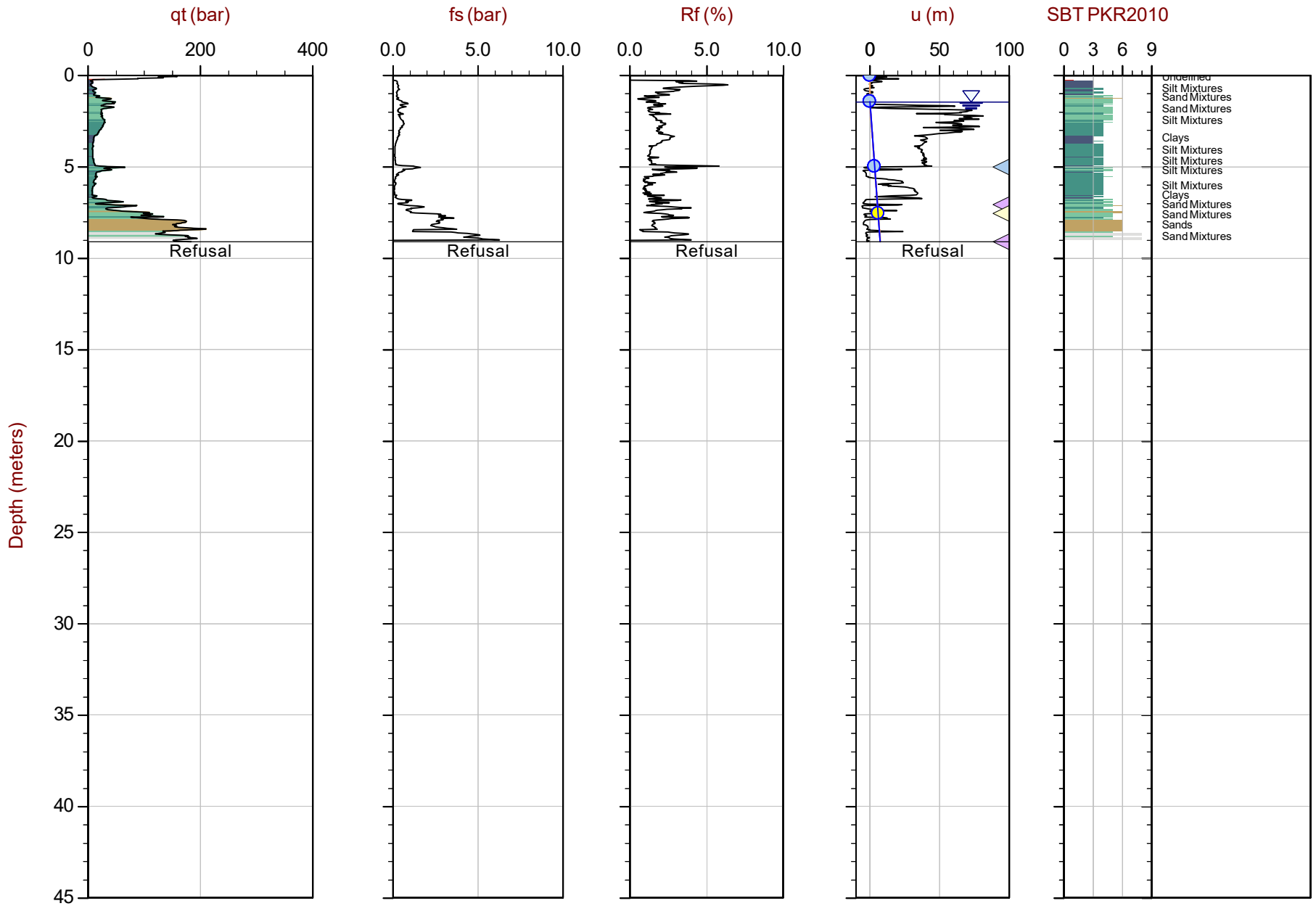
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-11 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35



Max Depth: 9.100 m / 29.86 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5410296m E: 475143m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

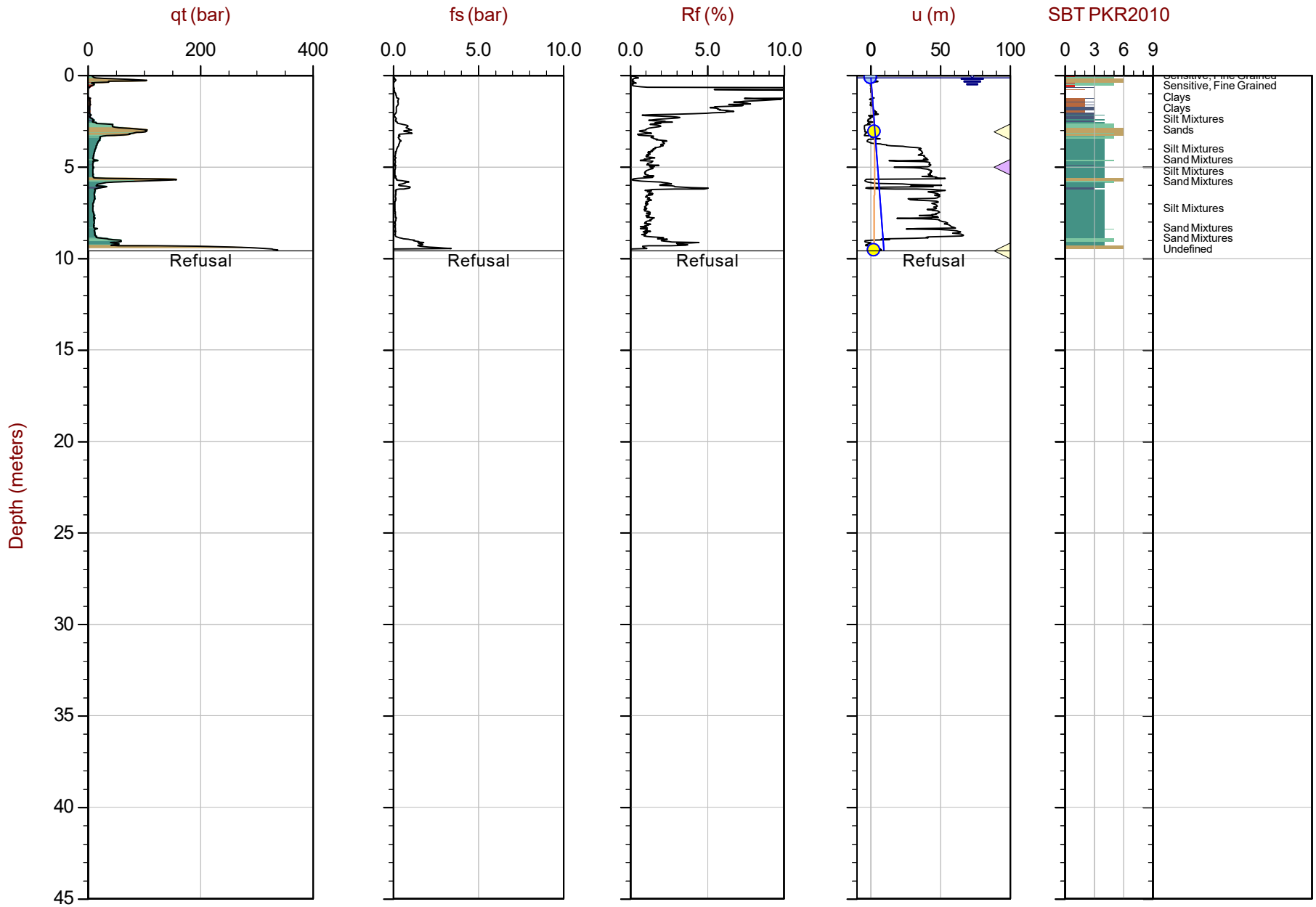
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-15 09:45
Site: Crawford Mine

Sounding: SRK-OP-CPT-04
Cone: 726:T1500F15U35



Max Depth: 9.575 m / 31.41 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP04.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409303m E: 474418m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

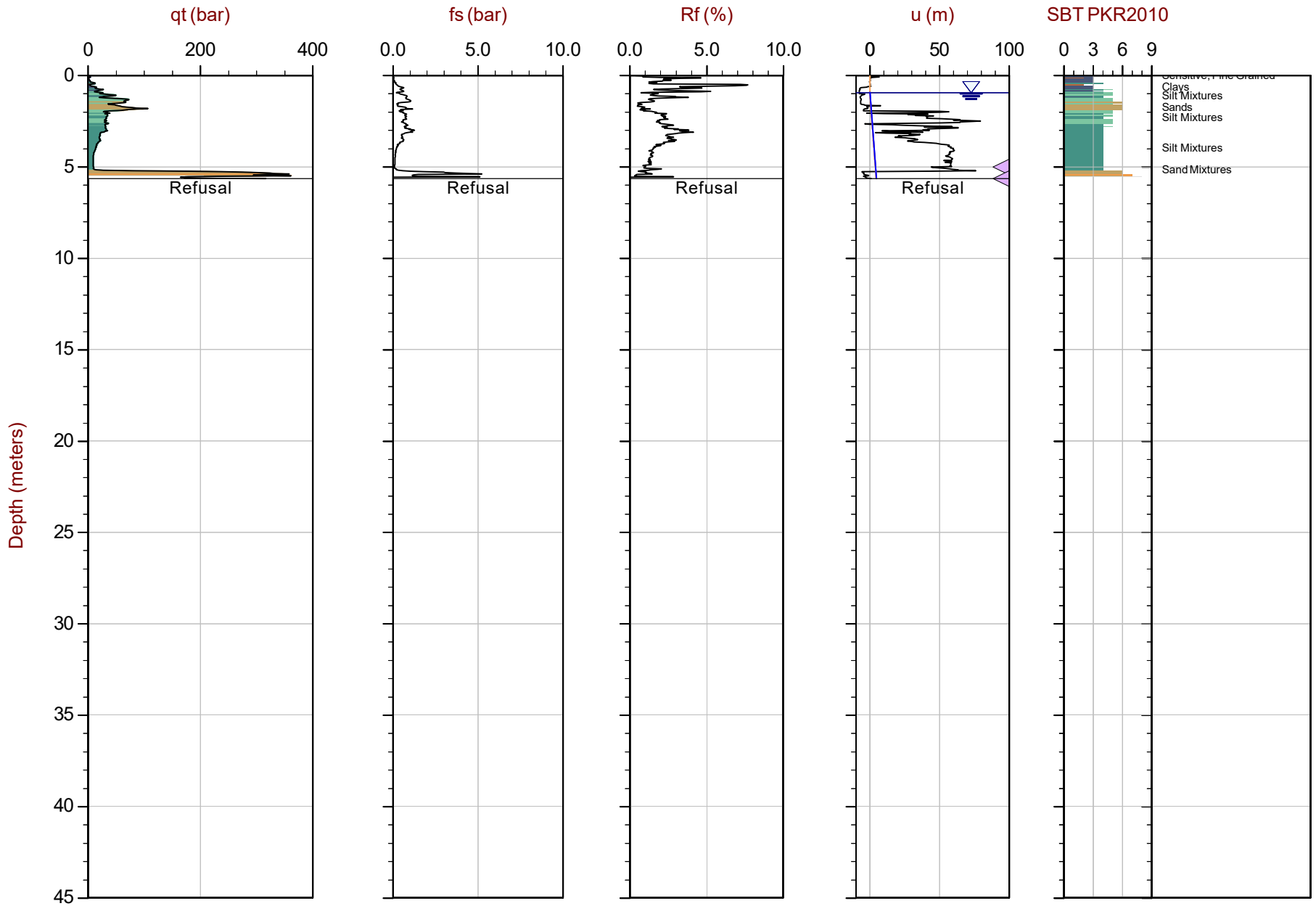
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-13 06:17
Site: Crawford Mine

Sounding: SRK-OP-CPT-05
Cone: 726:T1500F15U35



Max Depth: 5.650 m / 18.54 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP05.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408407m E: 474640m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

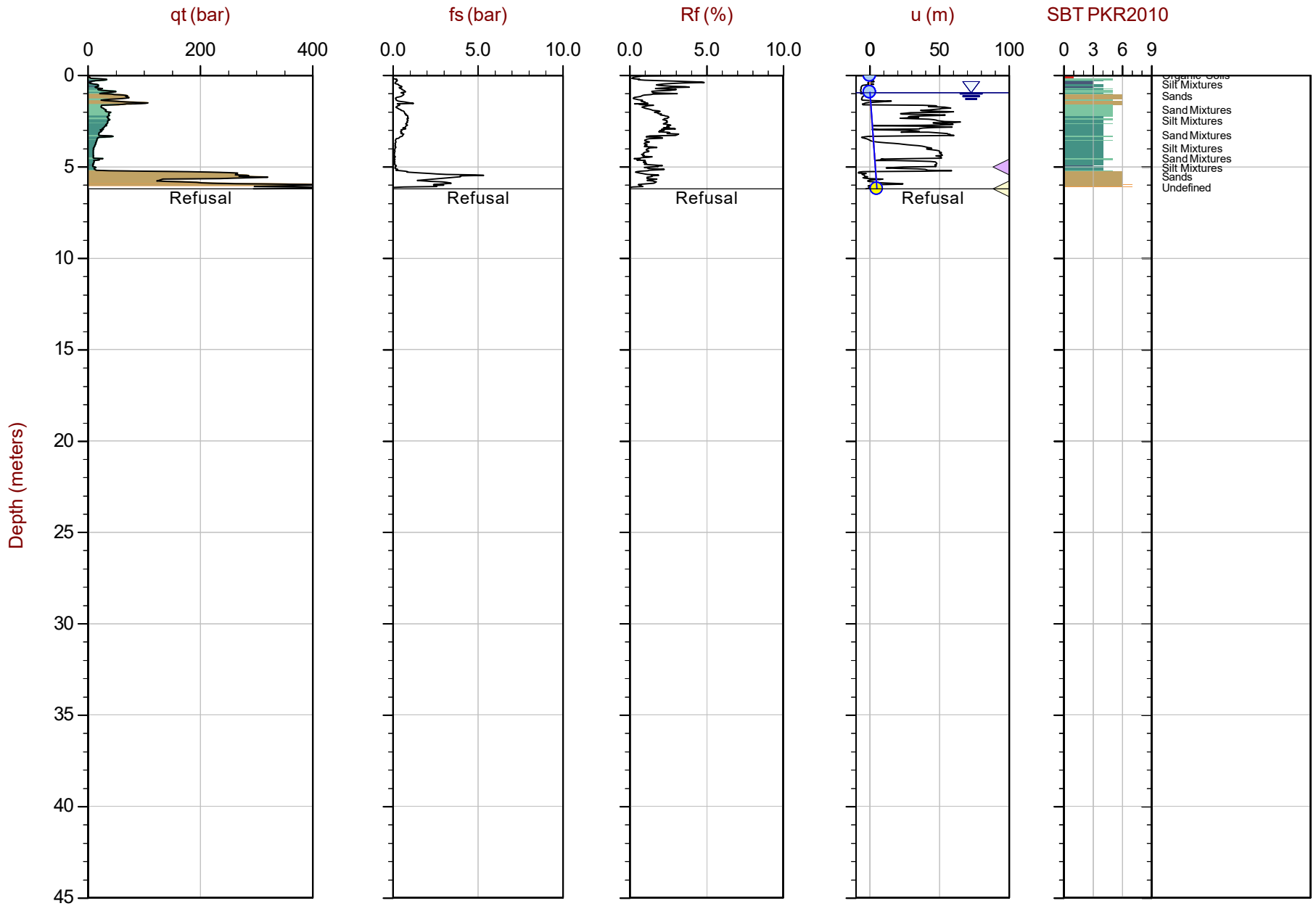
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-13 09:53
Site: Crawford Mine

Sounding: SRK-OP-CPT-05B
Cone: 726:T1500F15U35



Max Depth: 6.200 m / 20.34 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP05B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408406m E: 474640m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

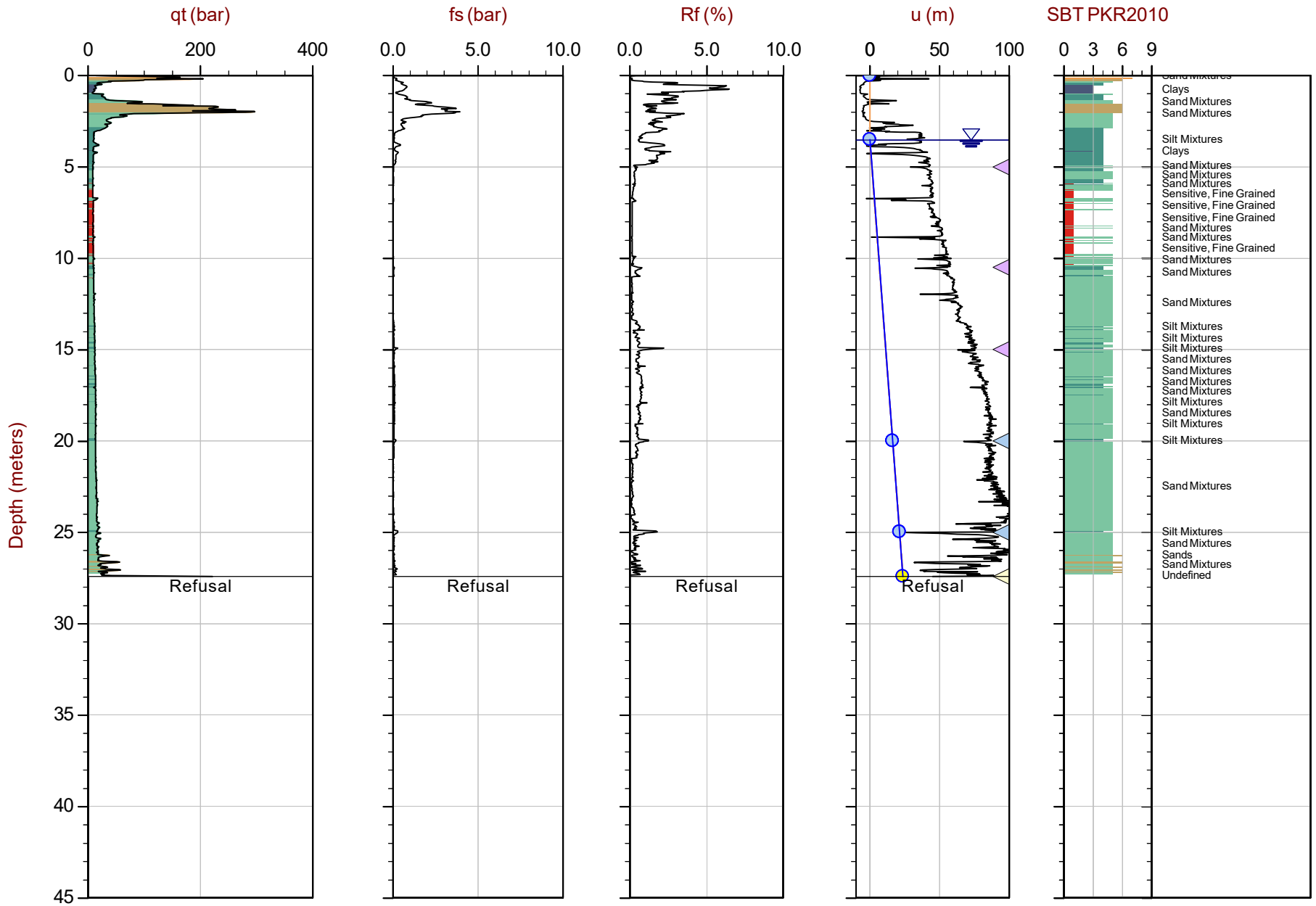
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-07 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35



Max Depth: 27.425 m / 89.98 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP06.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5407893m E: 474048m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

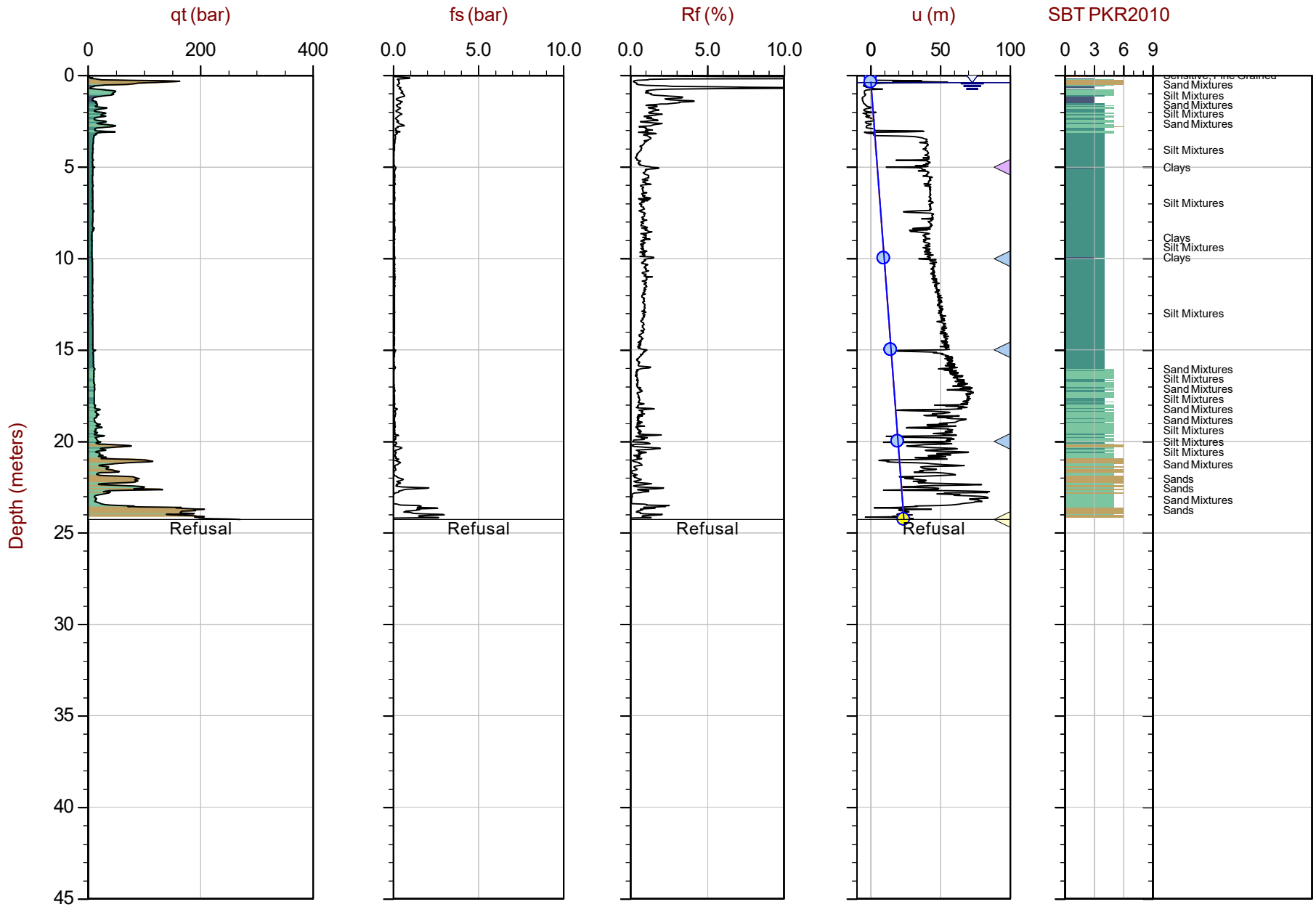
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-23 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35



Max Depth: 24.275 m / 79.64 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP08.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408030m E: 472336m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

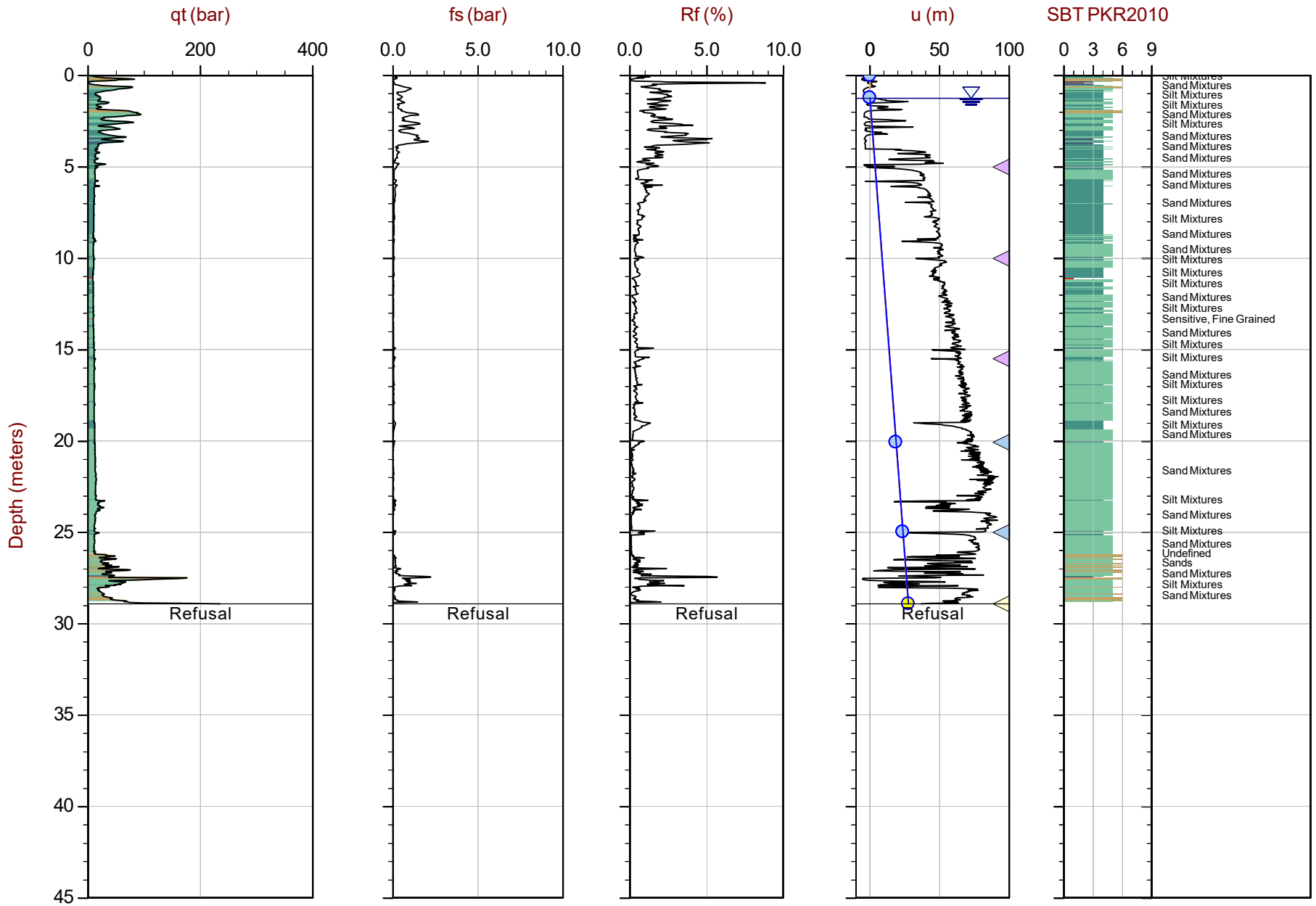
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-18 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35



Max Depth: 28.925 m / 94.90 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP09.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409526m E: 472192m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

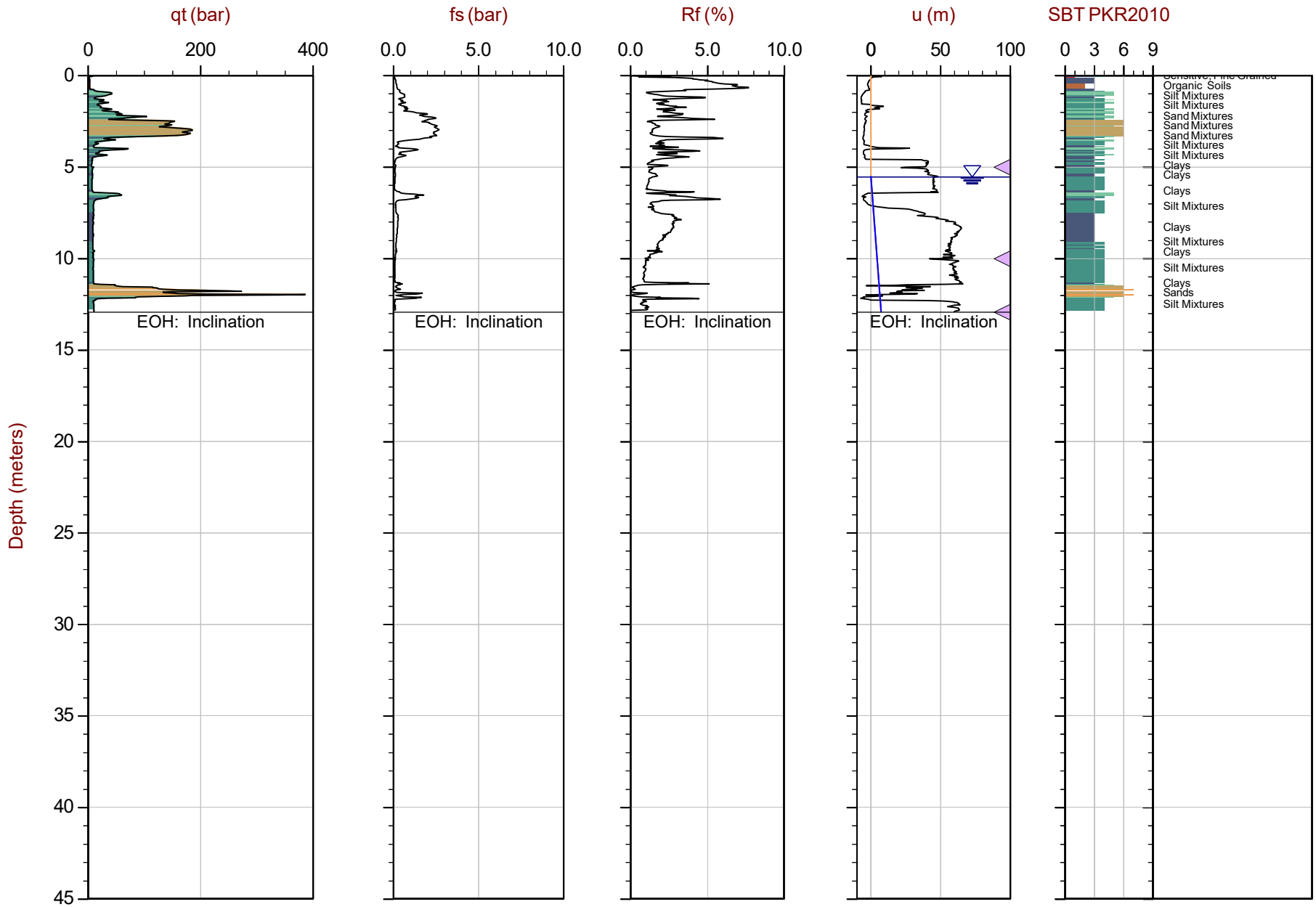
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-10 09:19
Site: Crawford Mine

Sounding: SRK-OP-CPT-10
Cone: 726:T1500F15U35



Max Depth: 12.925 m / 42.40 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP10.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408842m E: 473666m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

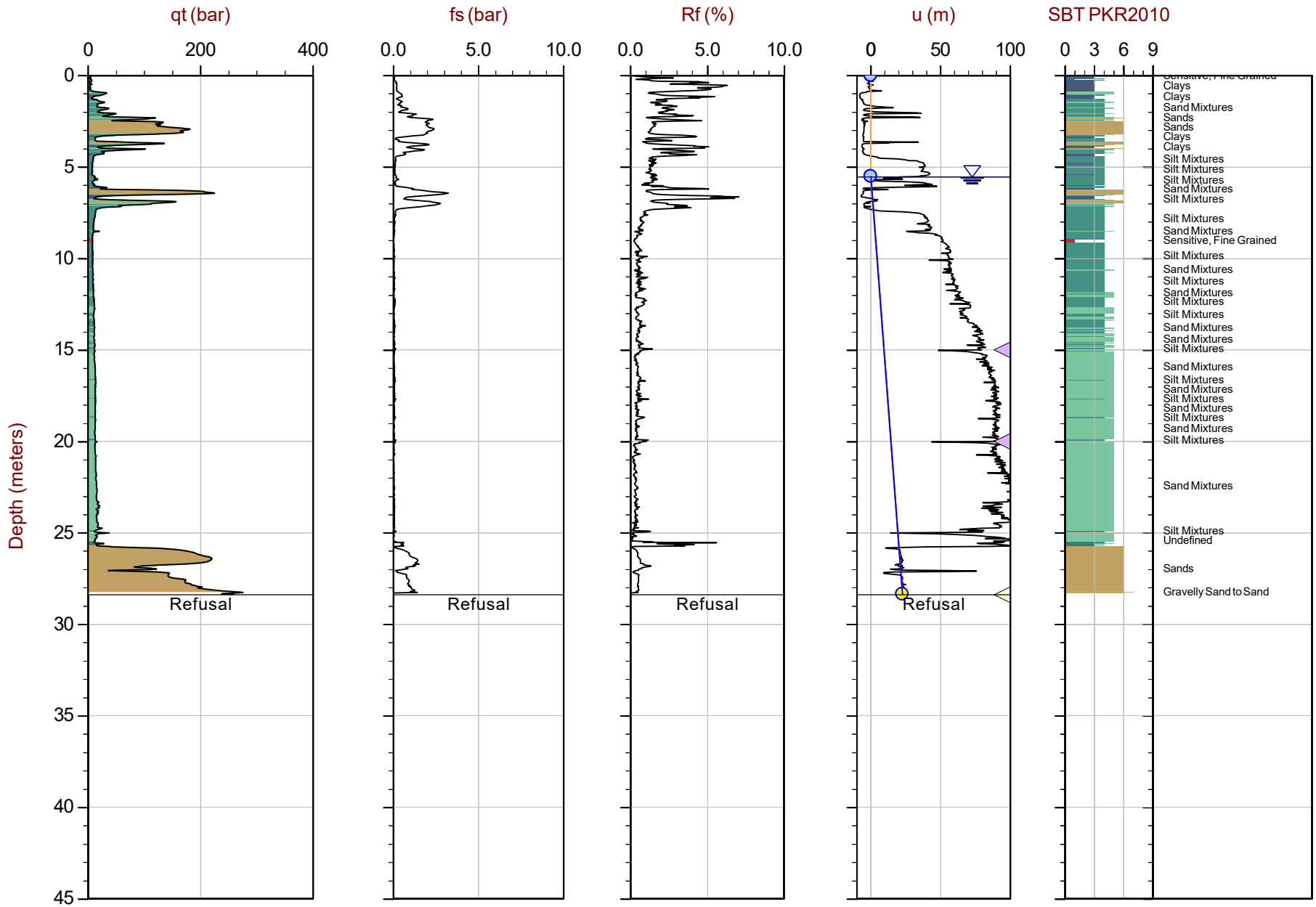
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-10 13:52
Site: Crawford Mine

Sounding: SRK-OP-CPT-10B
Cone: 726:T1500F15U35



Max Depth: 28.375 m / 93.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP10B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408841m E: 473666m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

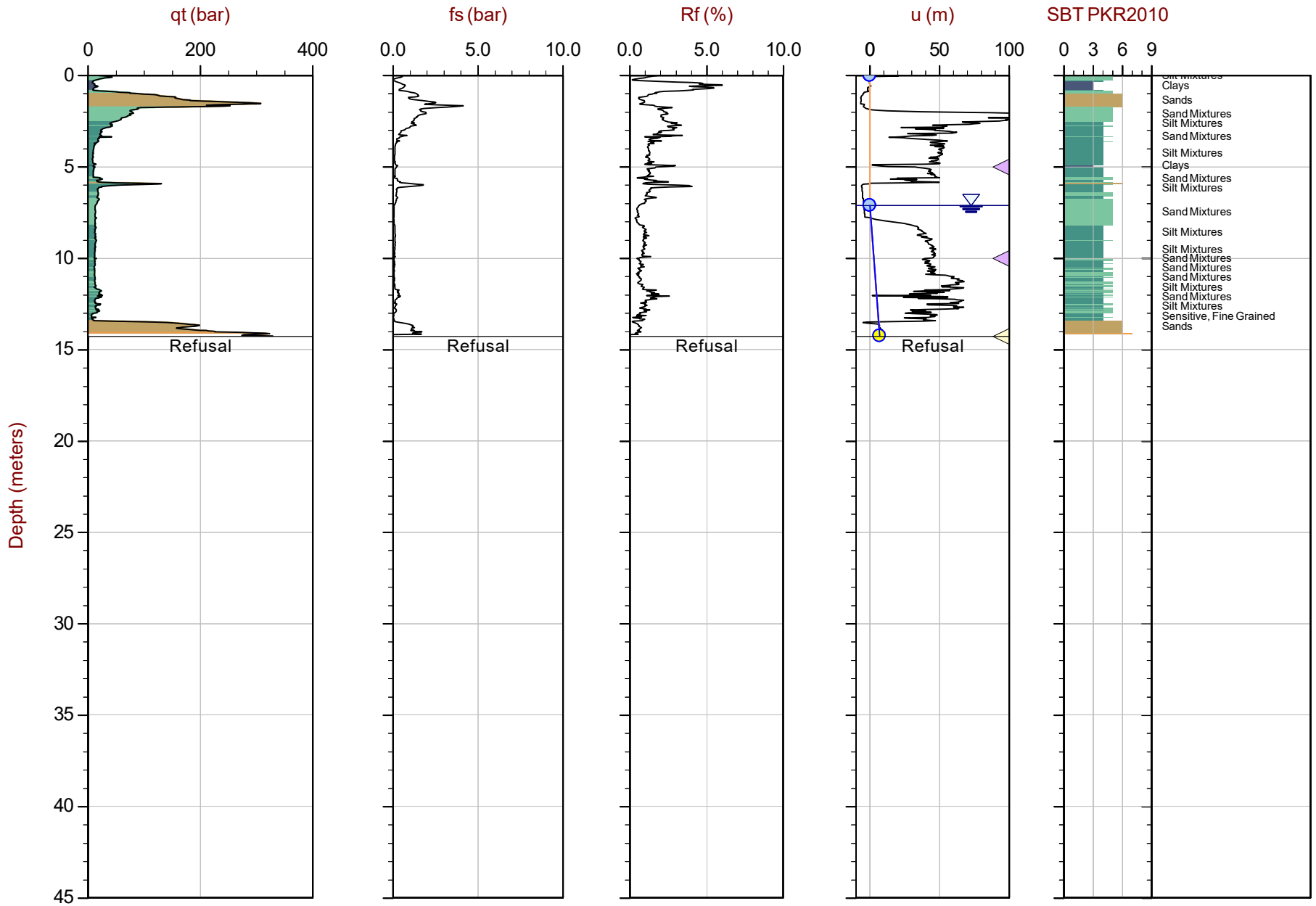
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-08 07:03
Site: Crawford Mine

Sounding: SRK-OP-CPT-11
Cone: 726:T1500F15U35



Max Depth: 14.275 m / 46.83 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP11.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409862m E: 473288m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

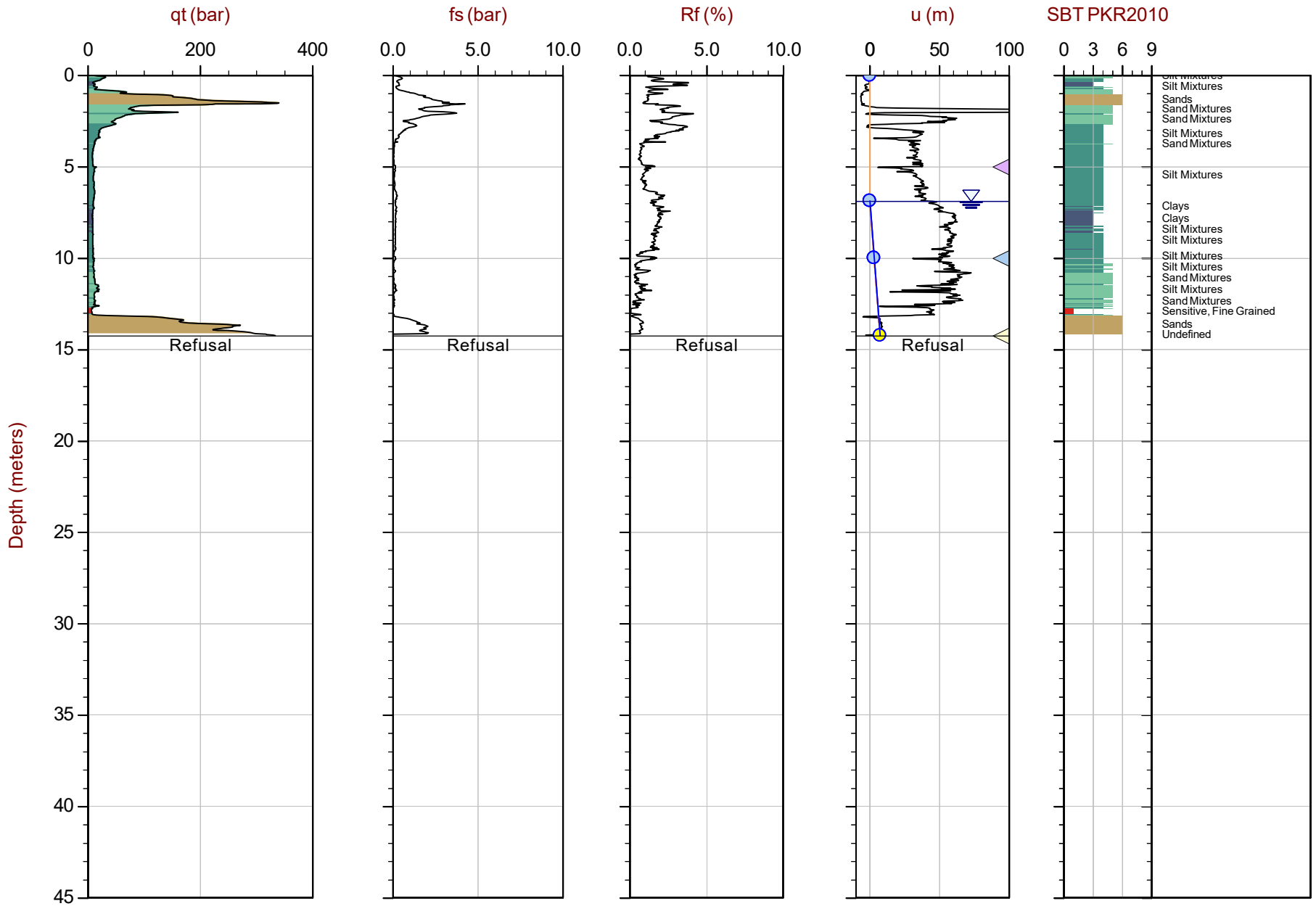
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-08 09:01
Site: Crawford Mine

Sounding: SRK-OP-CPT-11B
Cone: 726:T1500F15U35



Max Depth: 14.250 m / 46.75 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP11B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409861m E: 473288m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

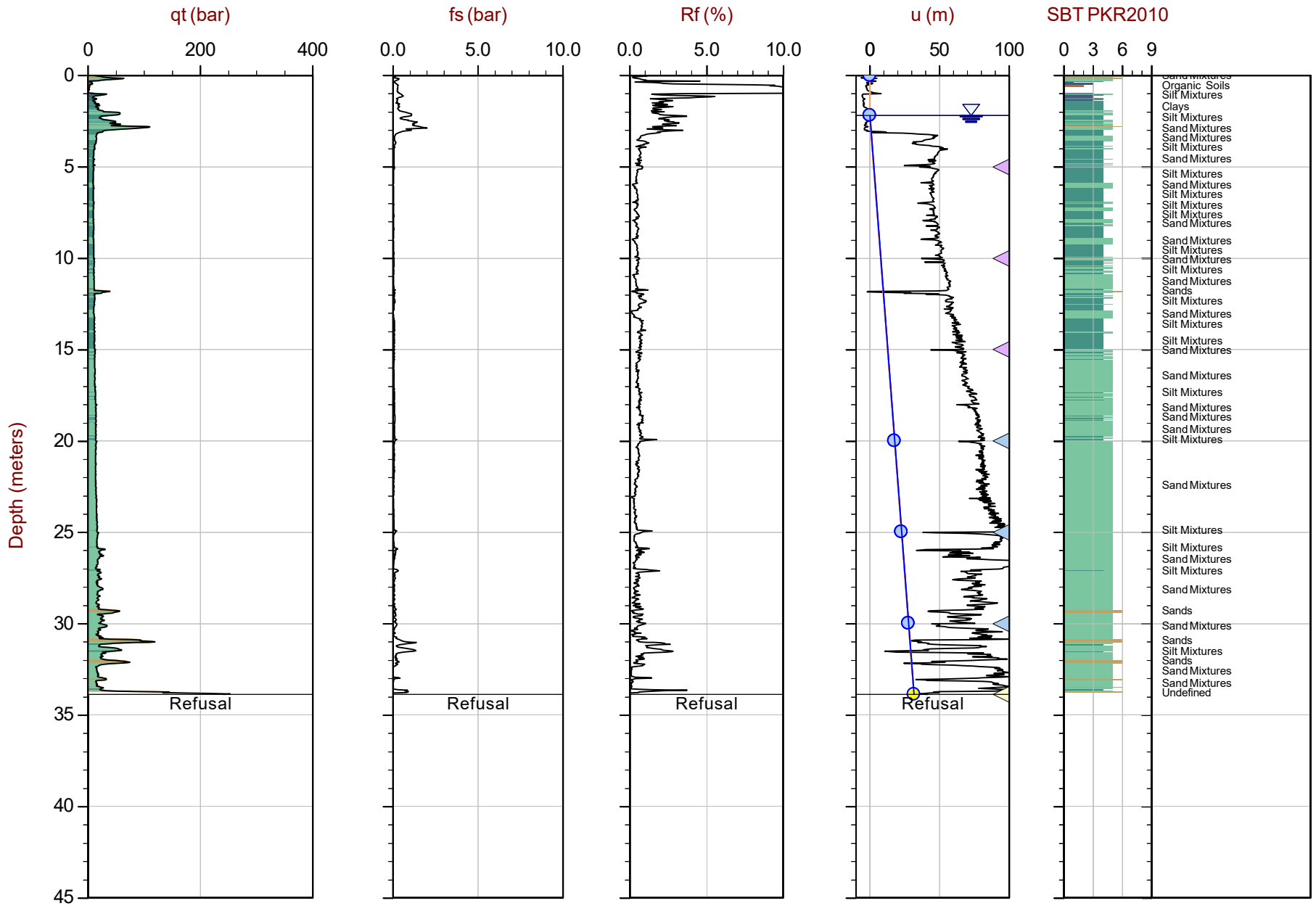
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-21 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35



Max Depth: 33.875 m / 111.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP12.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408932m E: 472473m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

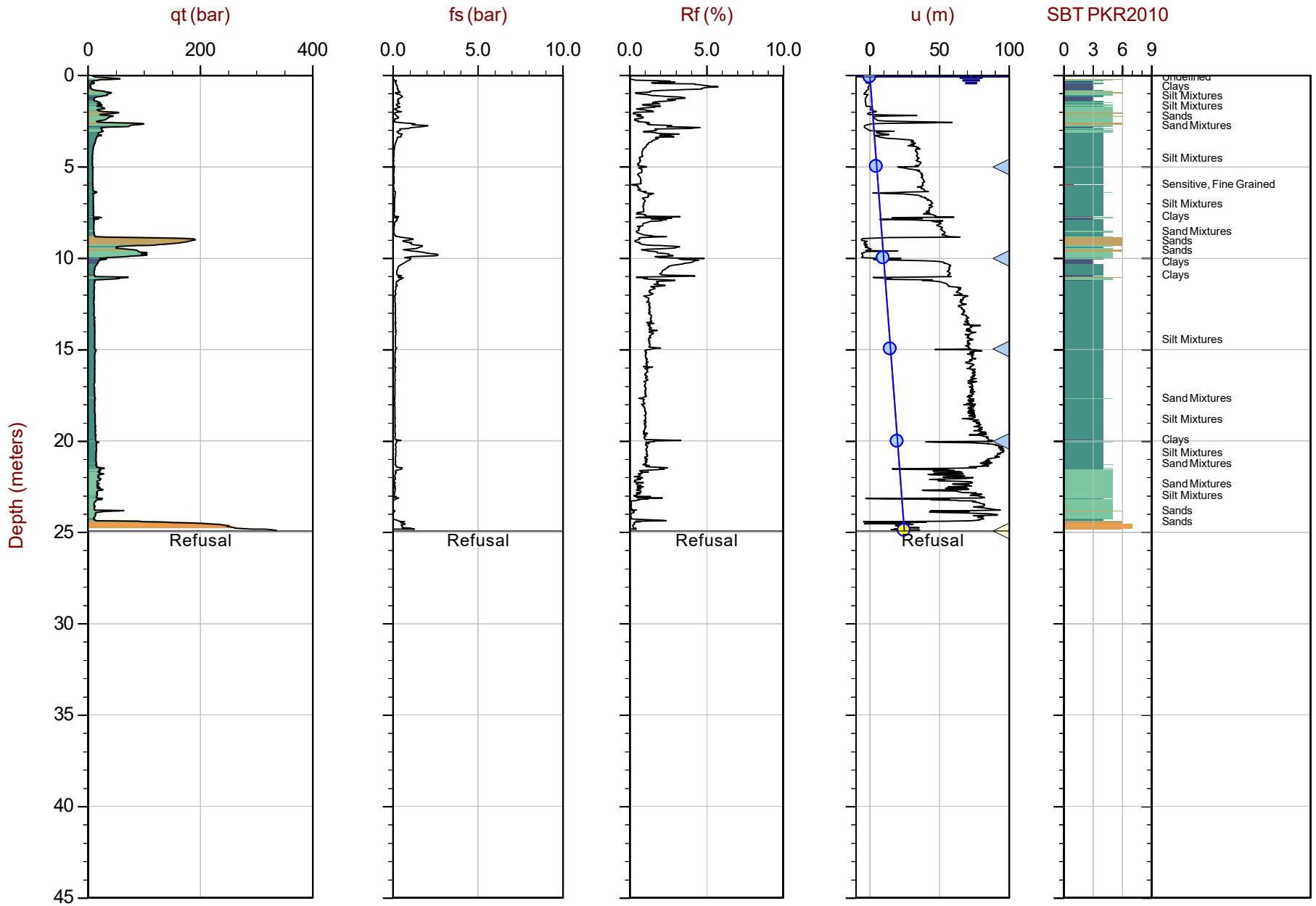
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-20 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35



Max Depth: 24.925 m / 81.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP16.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410337m E: 471939m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

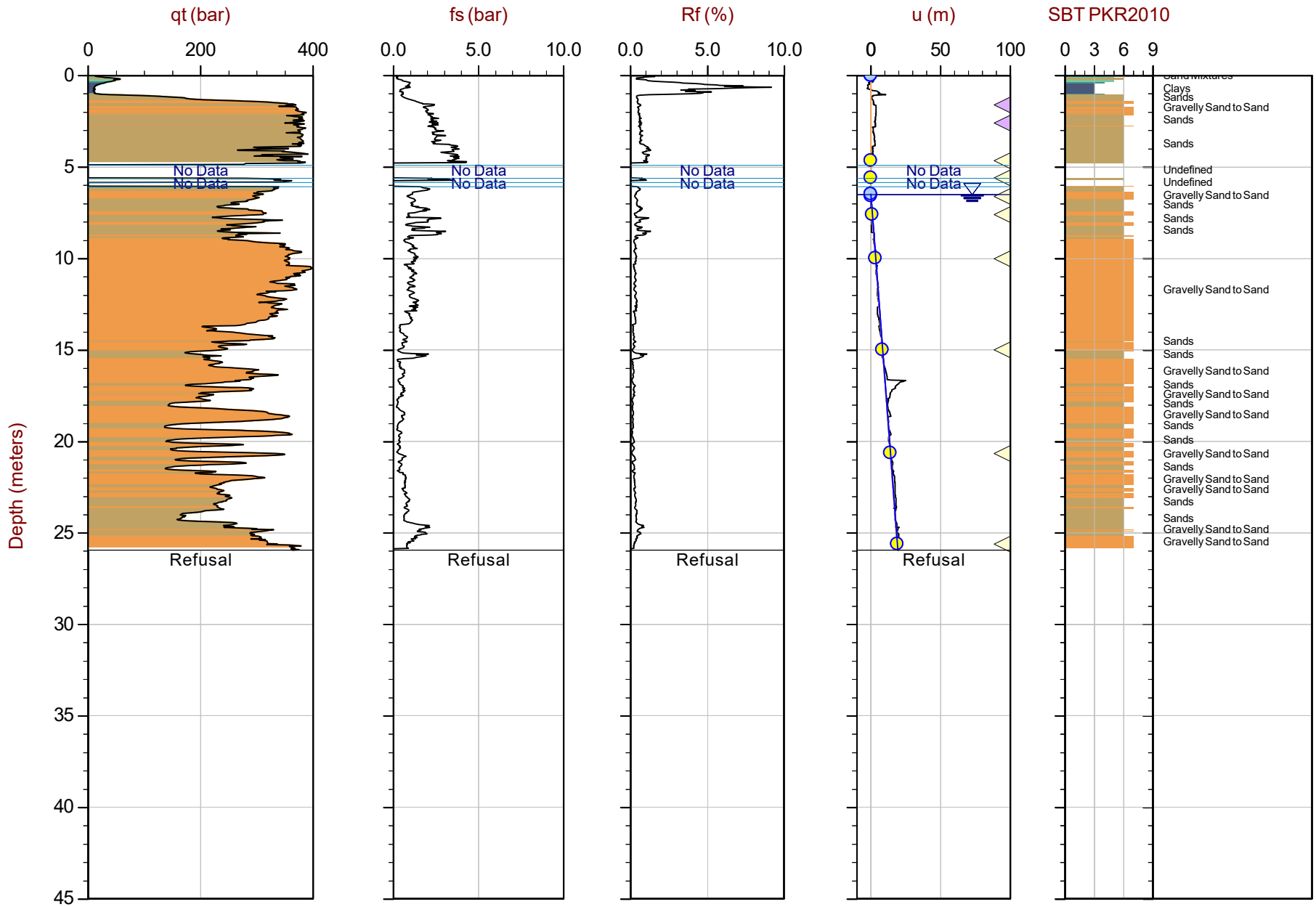
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-12 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35
728:T1500F15U35



Max Depth: 25.950 m / 85.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408142m E: 470434m
Sheet No: 1 of 1

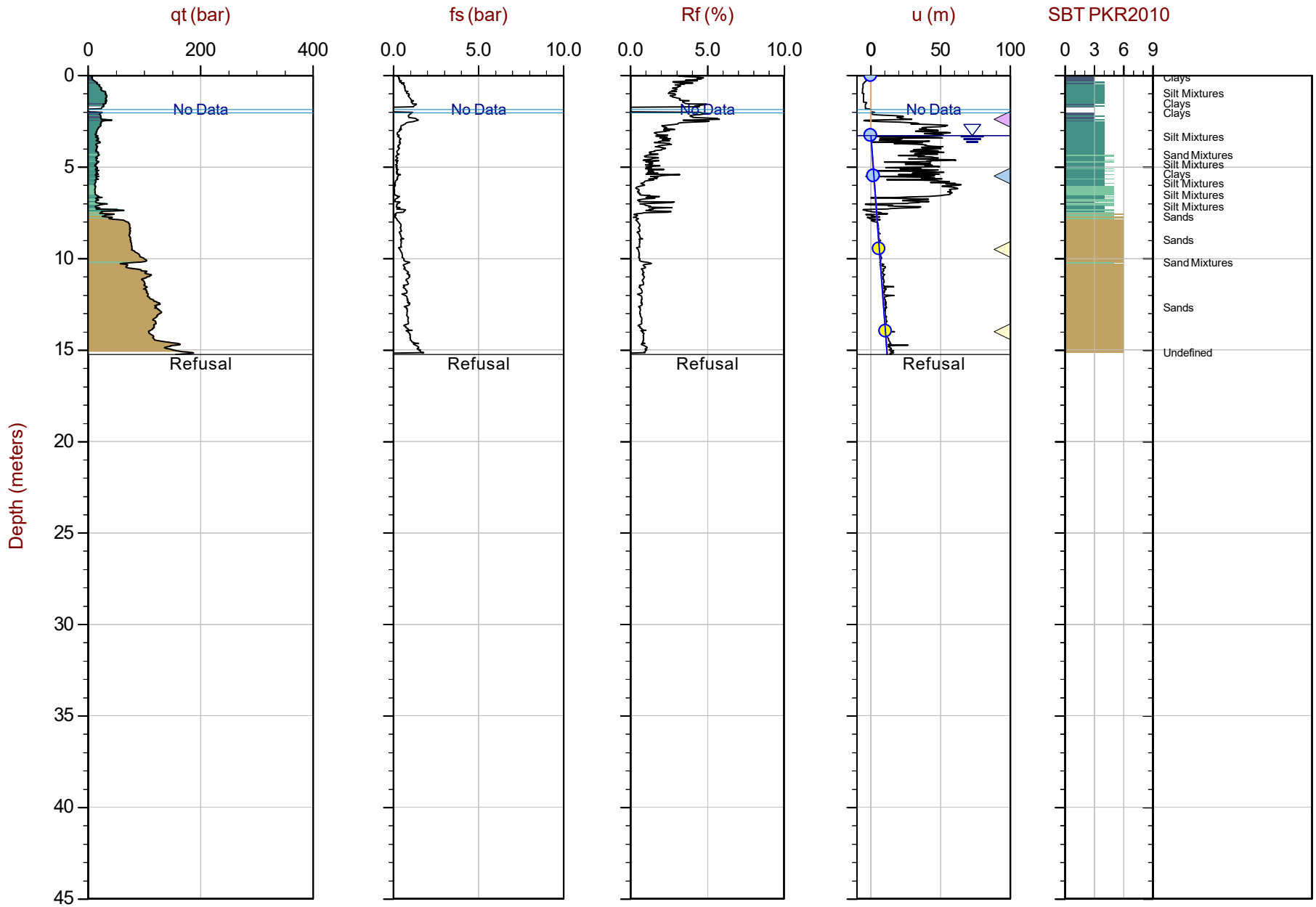
Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-15 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35



Max Depth: 15.250 m / 50.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5407776m E: 470629m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

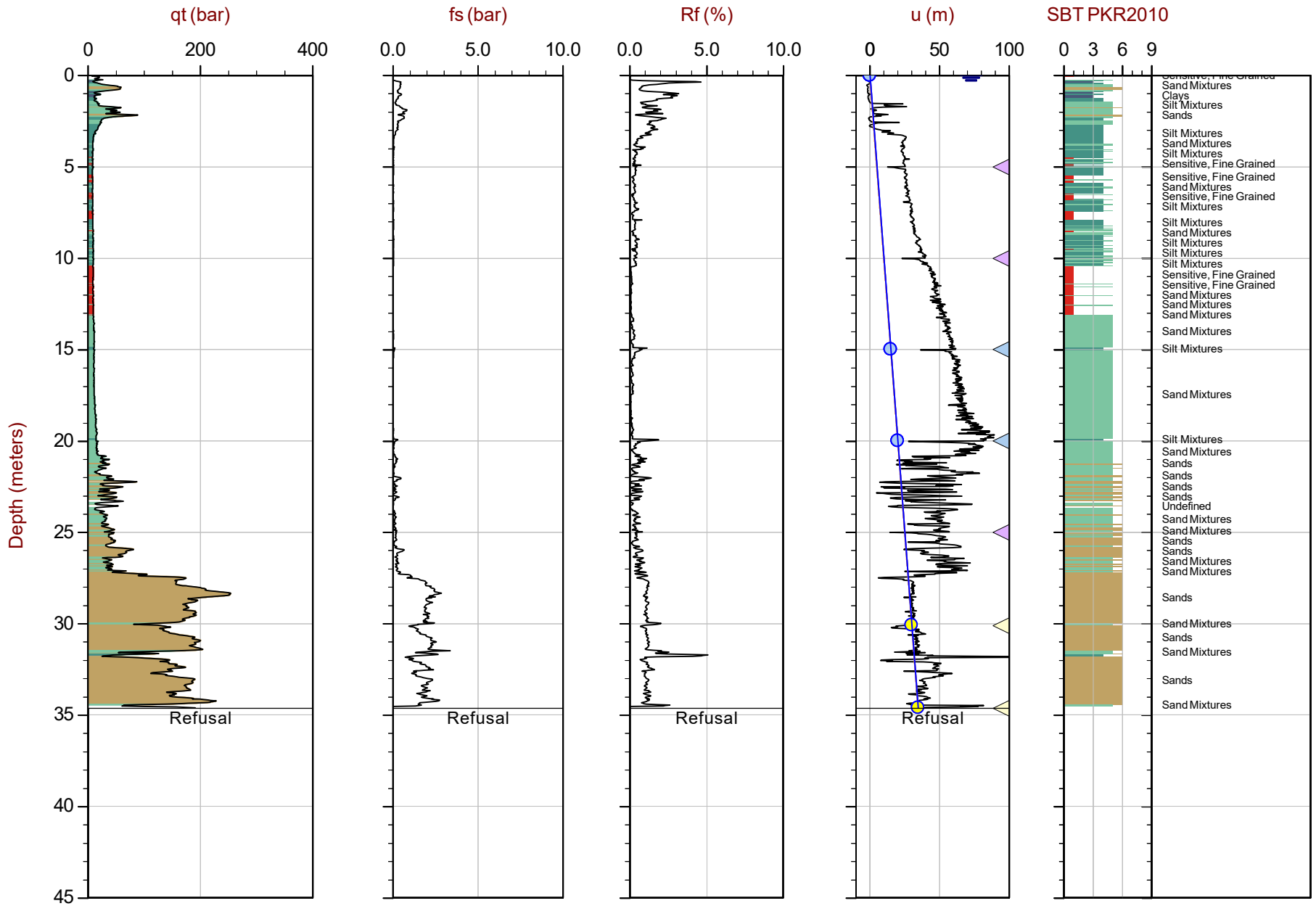
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-04 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35



Max Depth: 34.625 m / 113.60 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409119m E: 470714m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

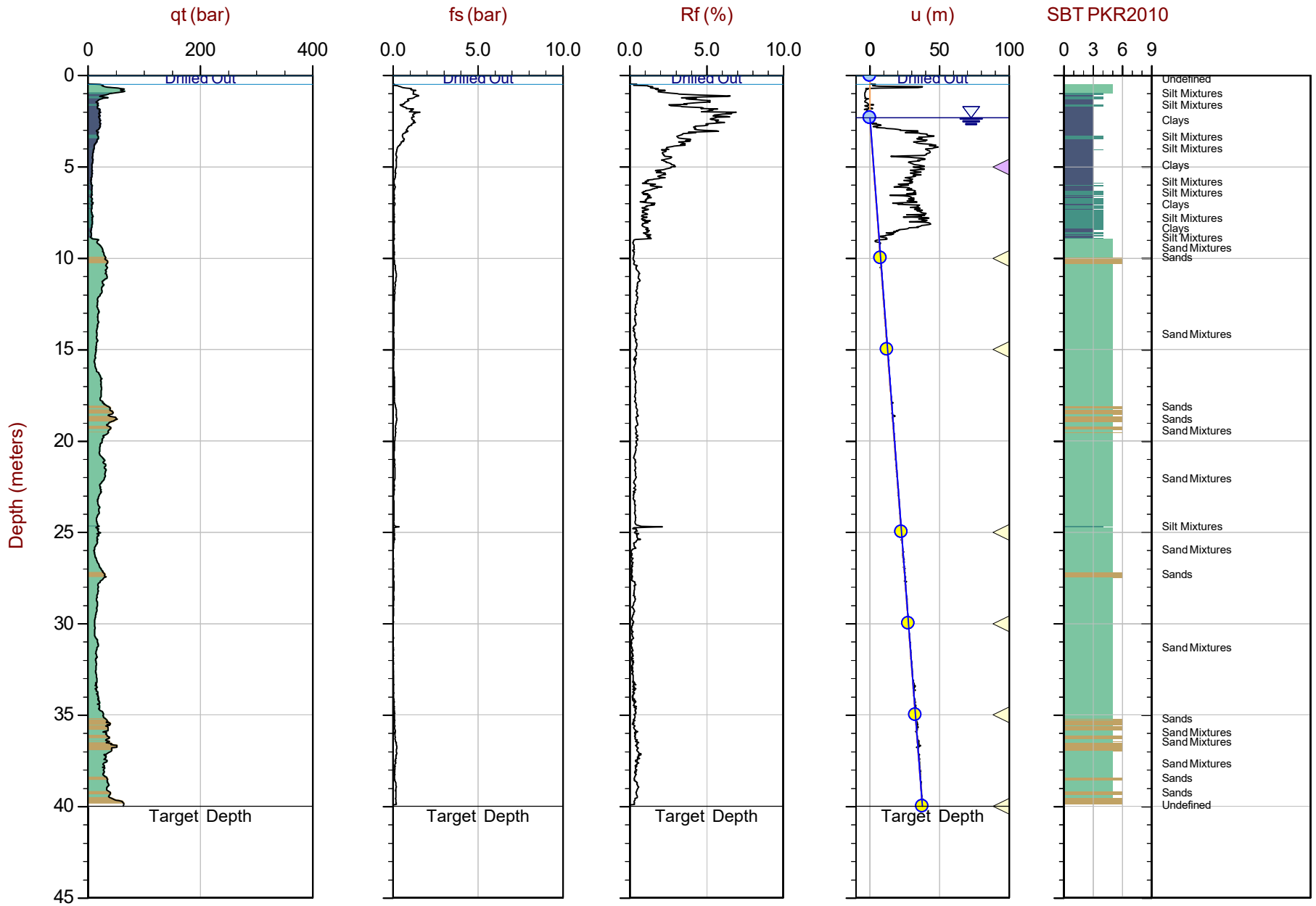
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-13 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35



Max Depth: 40.000 m / 131.23 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF04.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409119m E: 469800m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

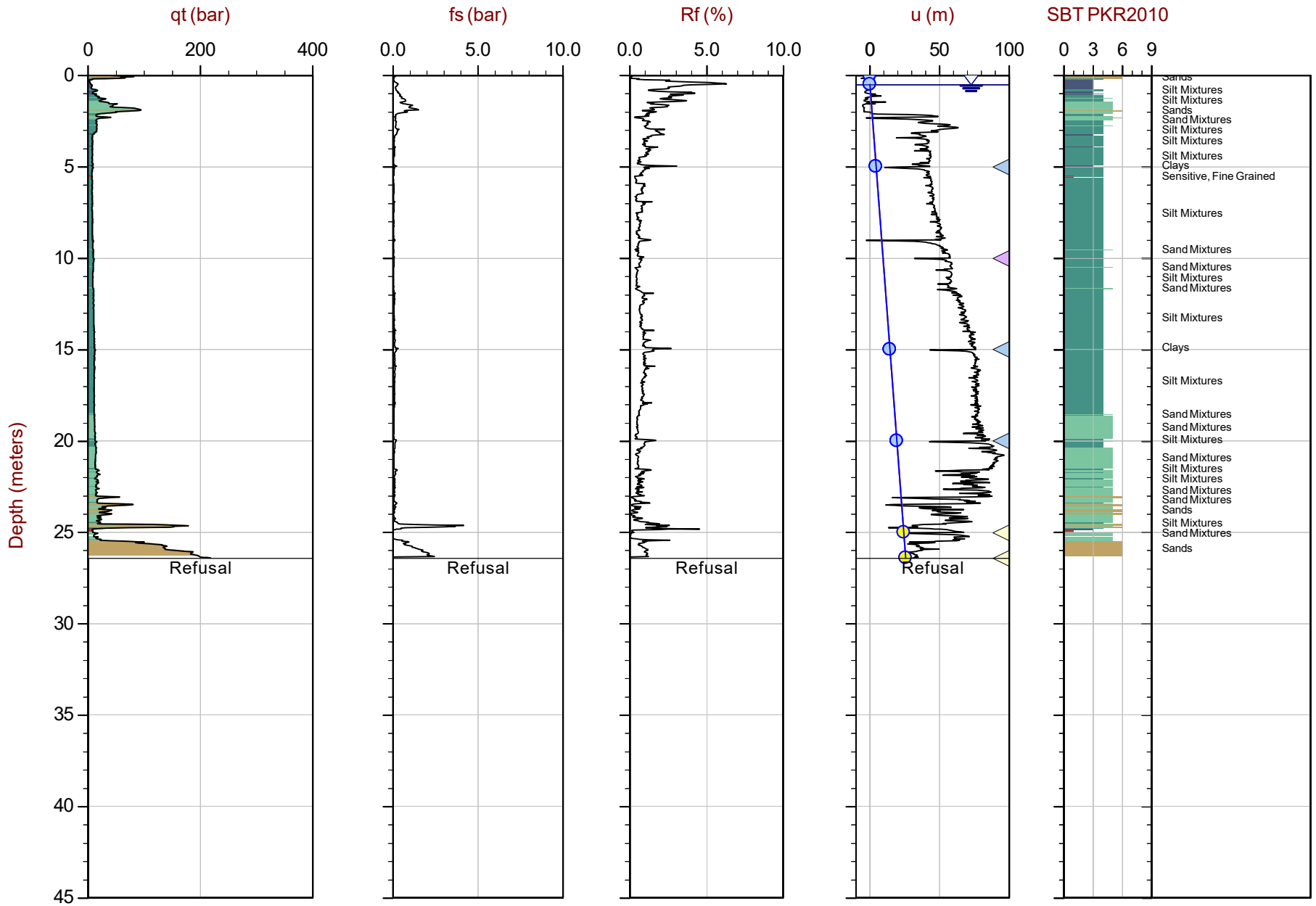
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-12 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35



Max Depth: 26.425 m / 86.70 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPSOS02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5407602m E: 473543m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

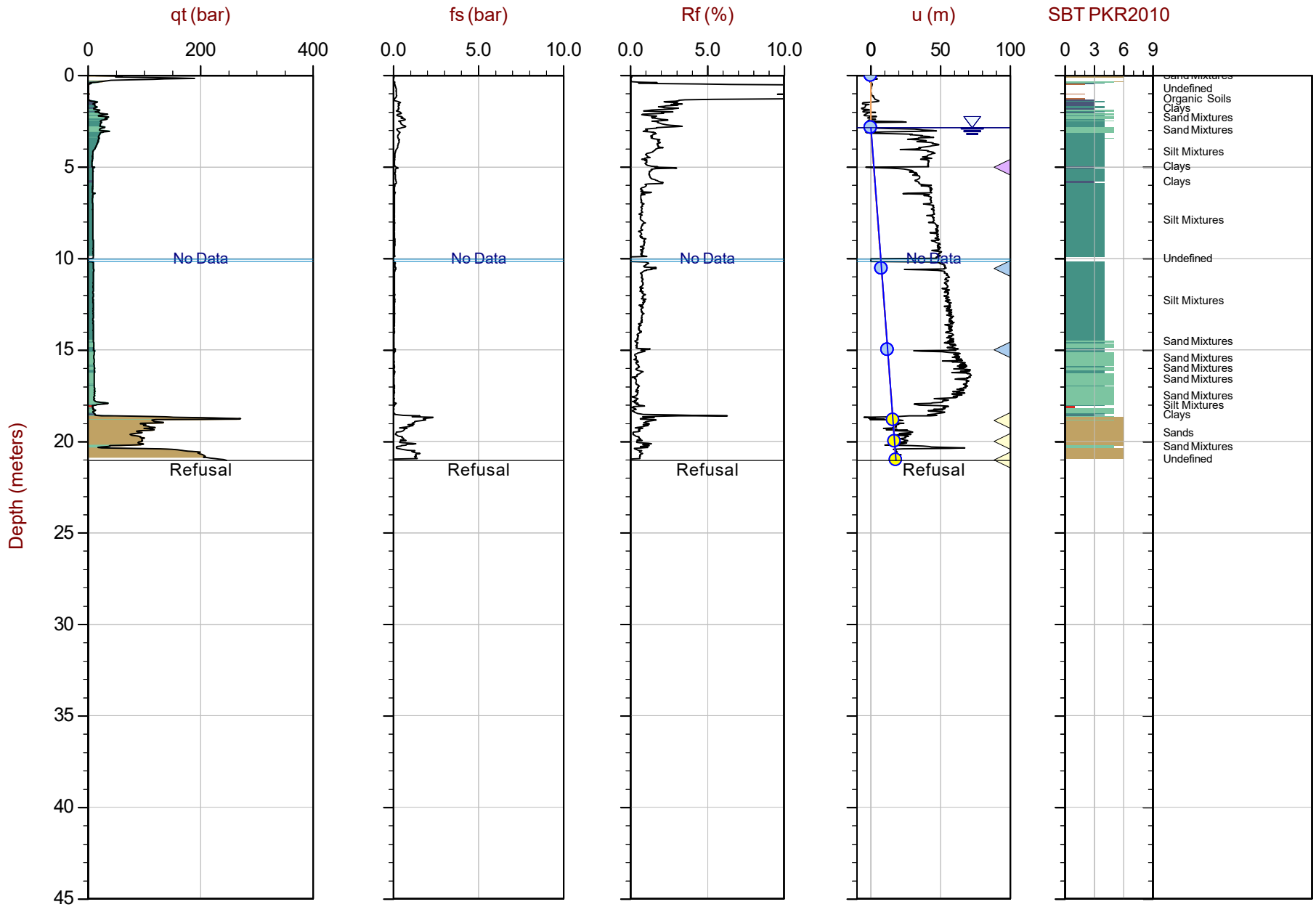
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-17 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35



Max Depth: 21.050 m / 69.06 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409898m E: 475833m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

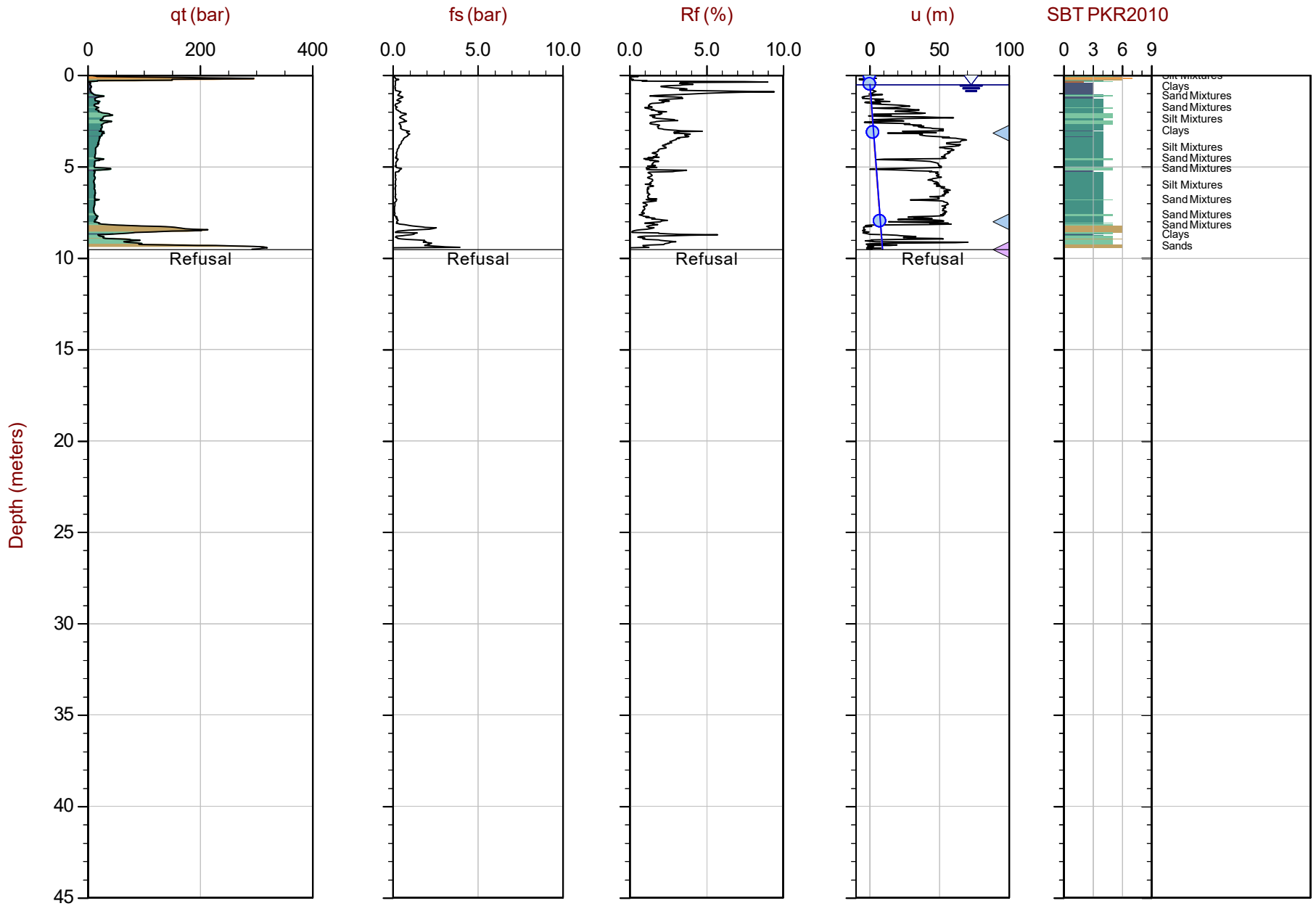
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-19 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35



Max Depth: 9.525 m / 31.25 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF01A.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408892m E: 475514m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

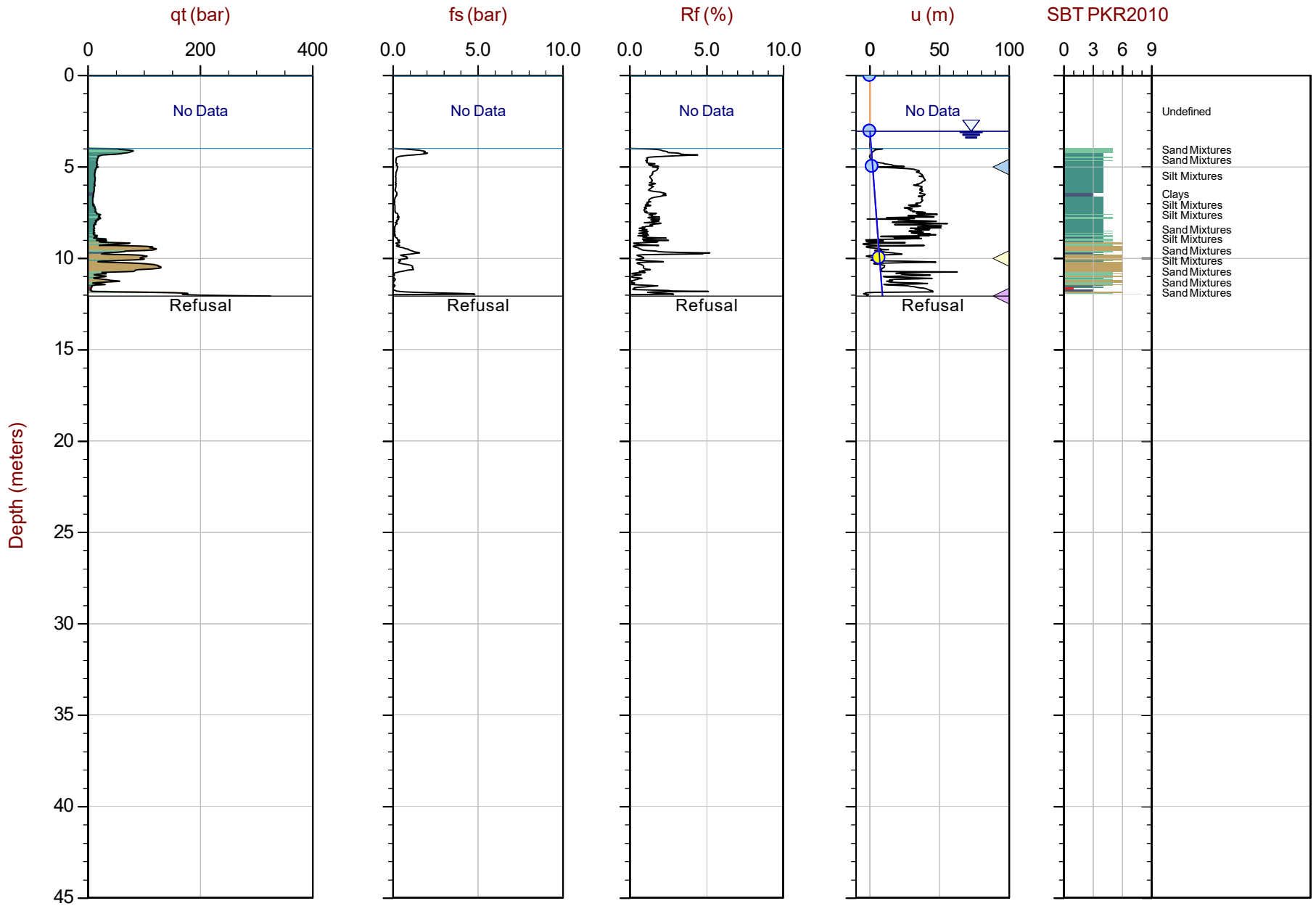
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-26 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35



Max Depth: 12.075 m / 39.62 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5407122m E: 476801m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

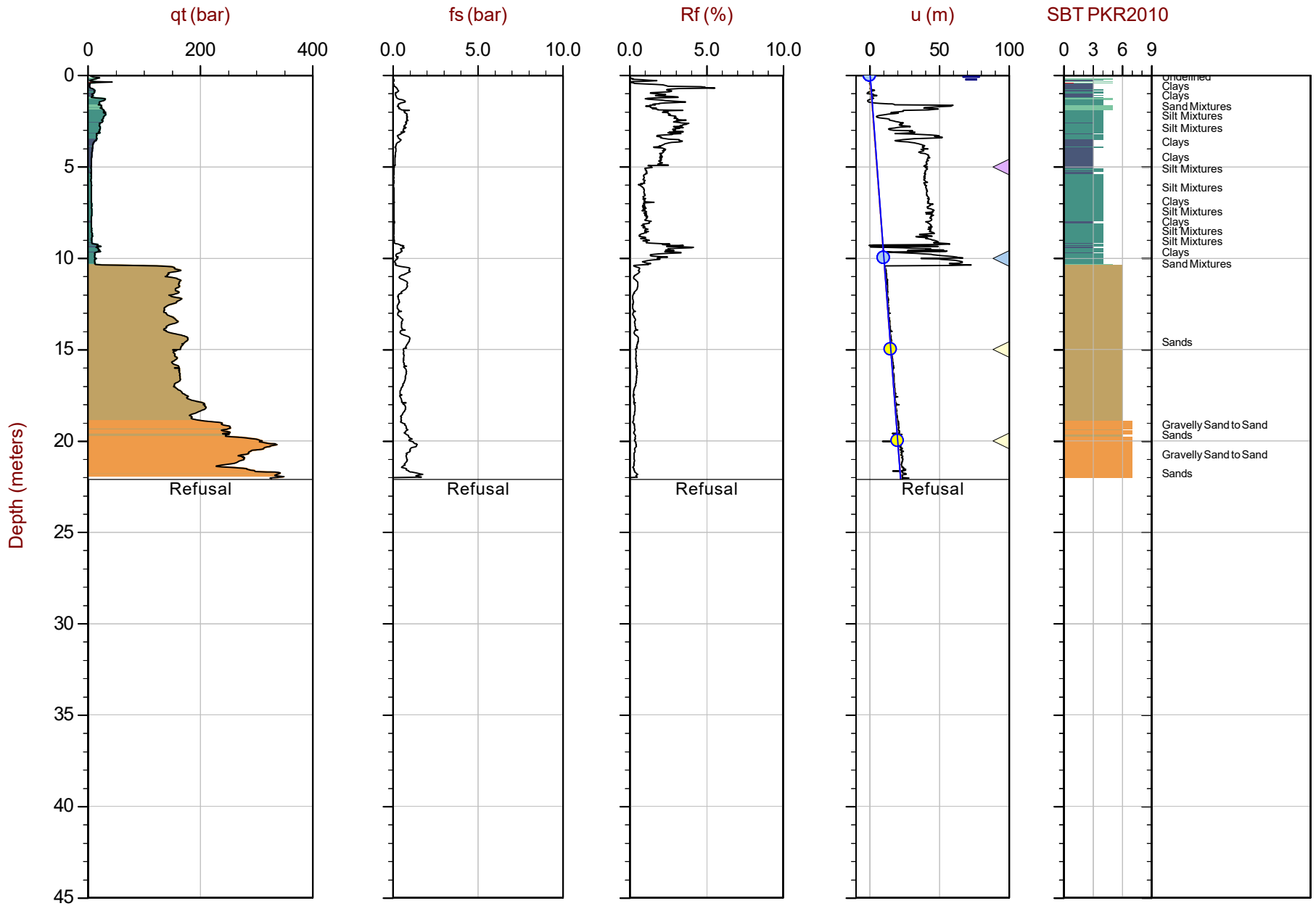
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-30 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35



Max Depth: 22.100 m / 72.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF04.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405122m E: 476789m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

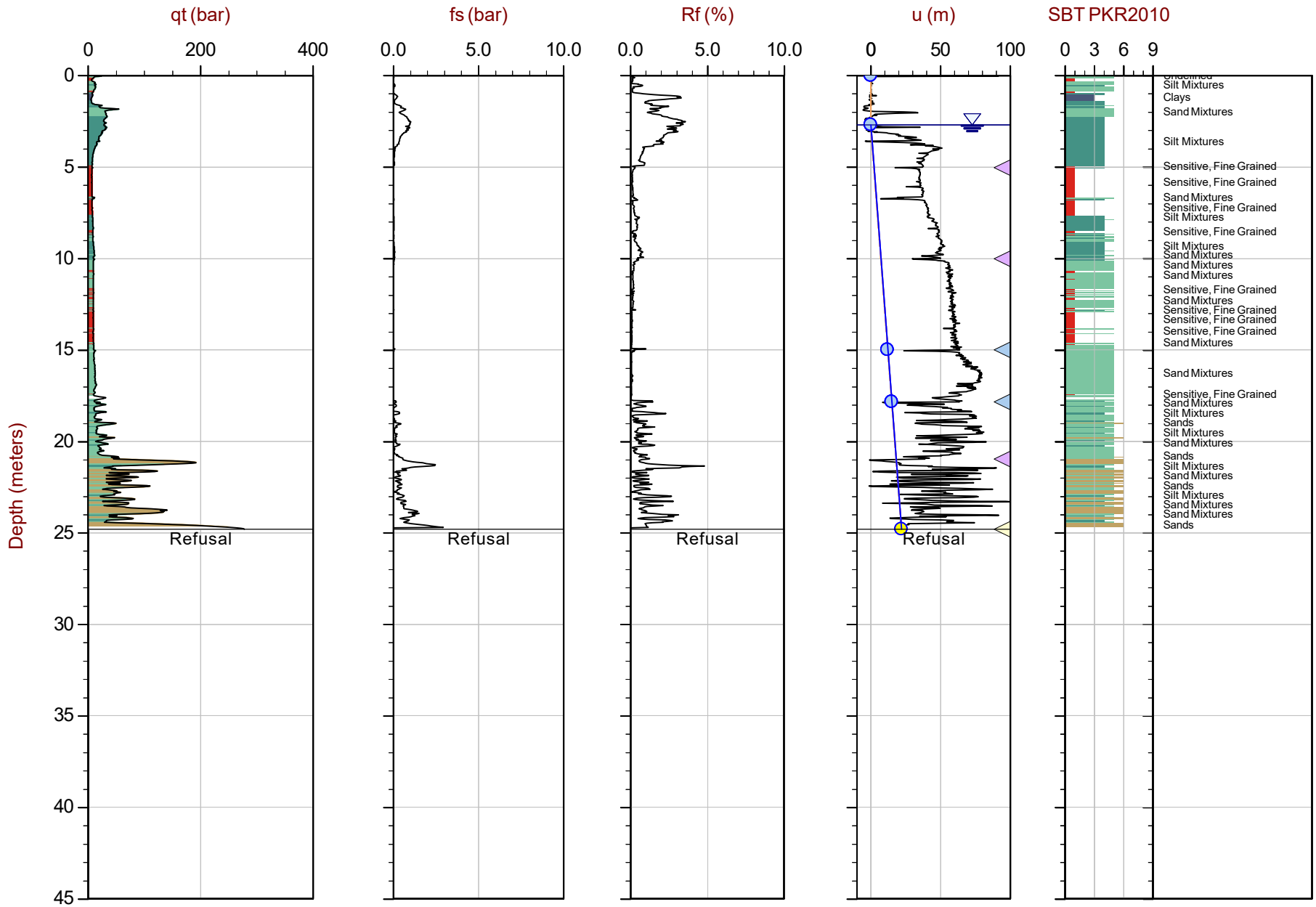
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-30 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35



Max Depth: 24.800 m / 81.36 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF06.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405098m E: 473061m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

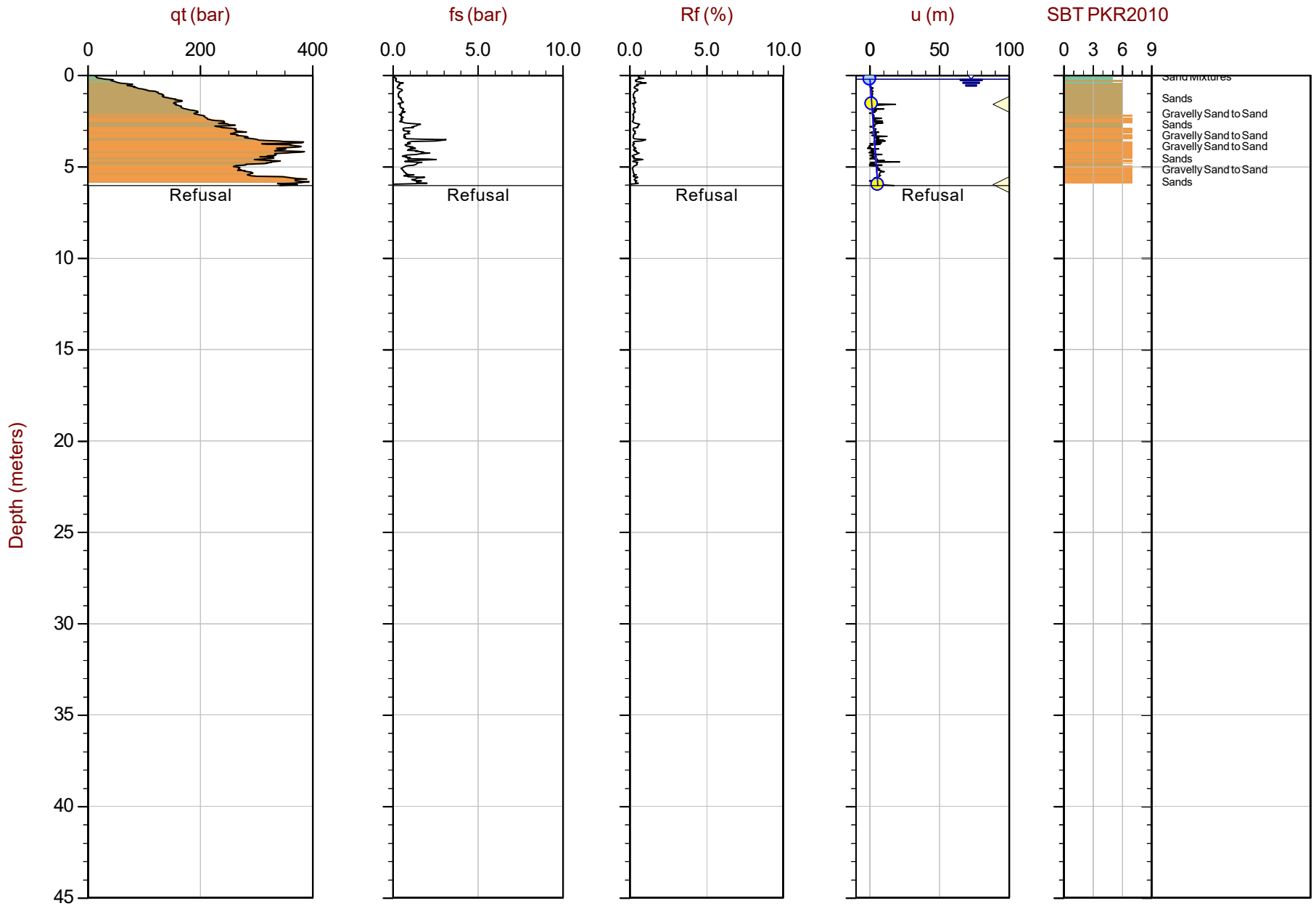
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-06 05:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-07
Cone: 742:T1500F15U35



Max Depth: 6.025 m / 19.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF07.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405840m E: 471108m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

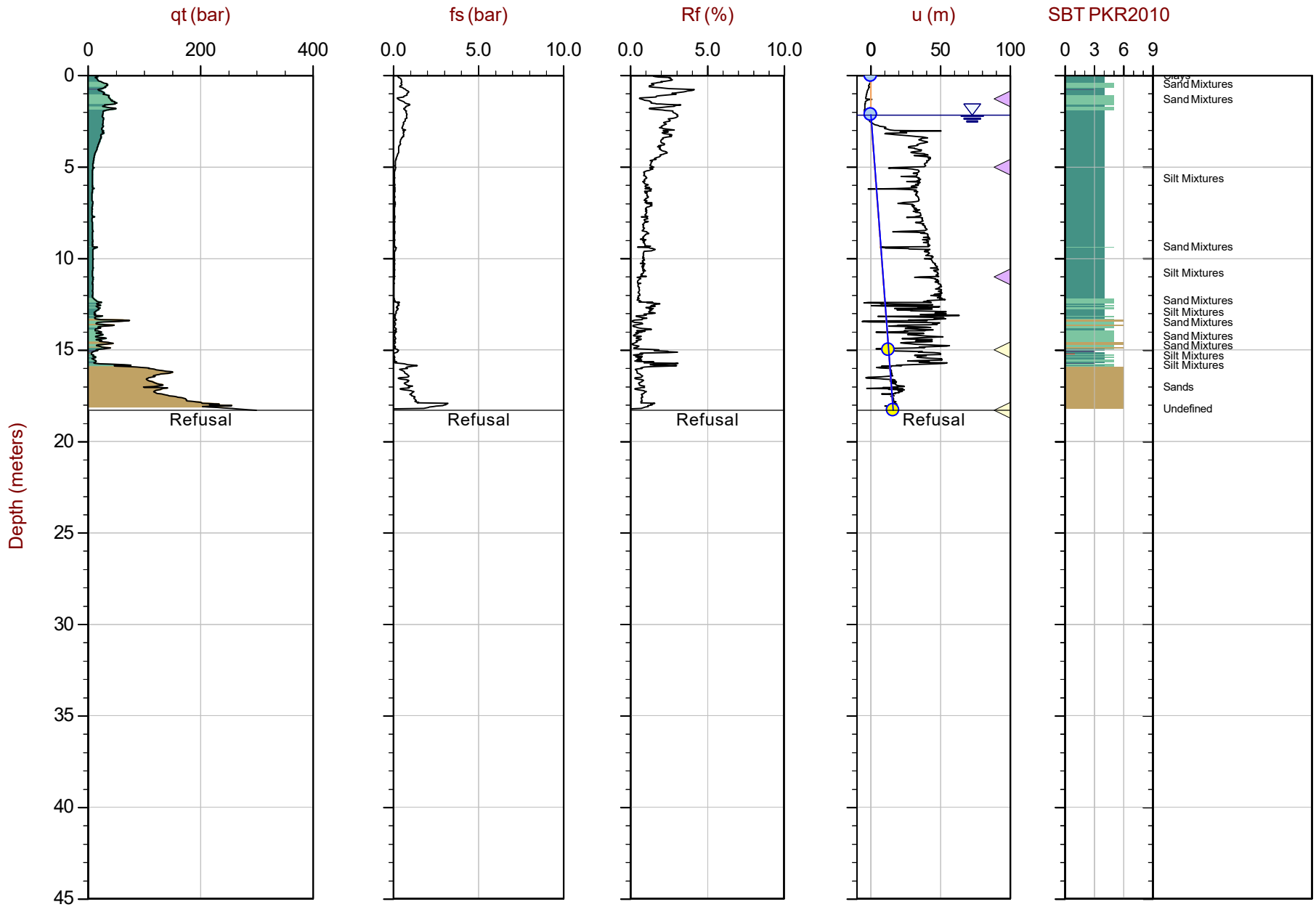
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-24 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35



Max Depth: 18.300 m / 60.04 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF08.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5406528m E: 473370m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

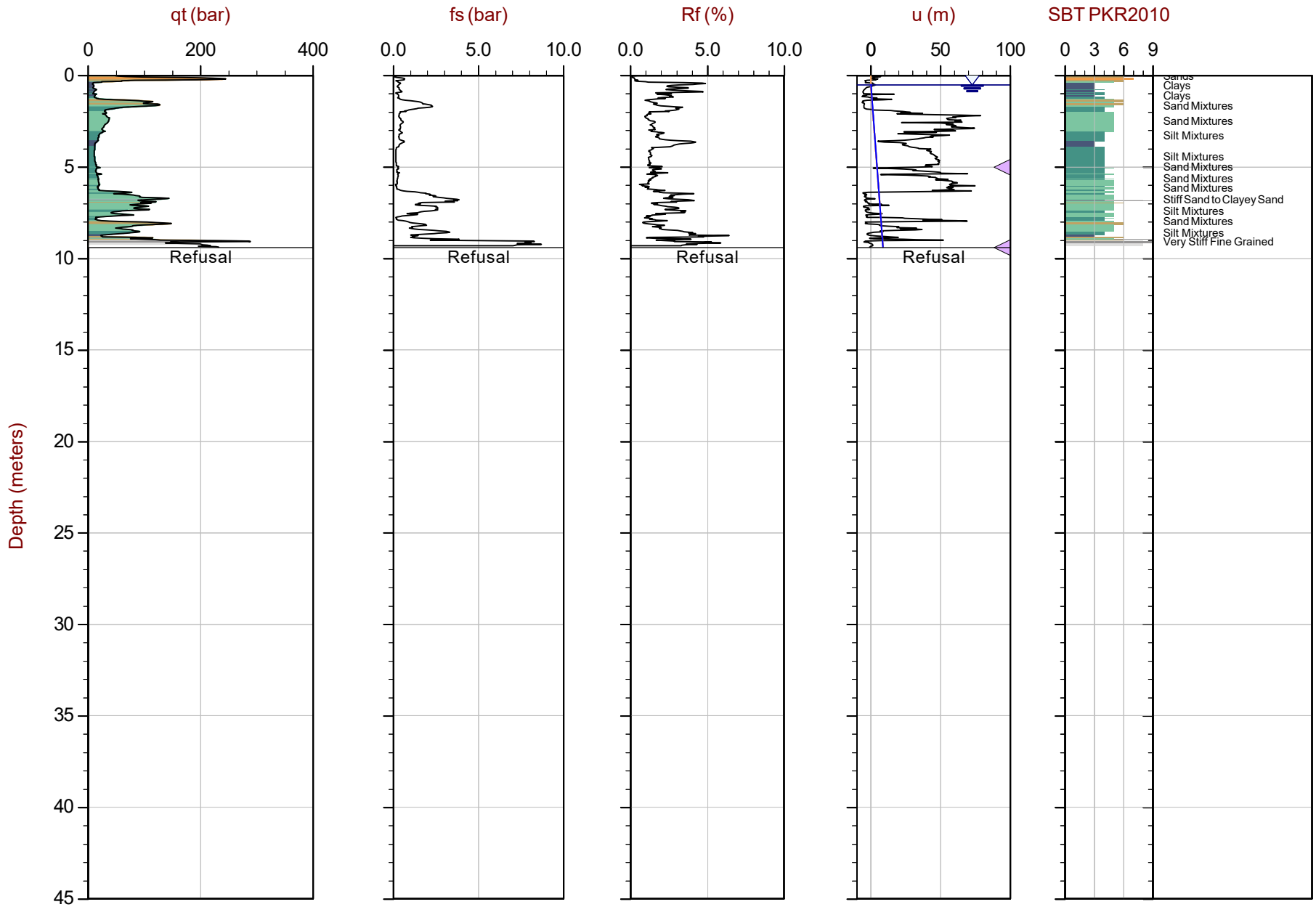
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-05 06:51
Site: Crawford Mine

Sounding: SRK-TSF-CPT-09
Cone: 751:T1500F15U35



Max Depth: 9.400 m / 30.84 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF09.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408311m E: 475241m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

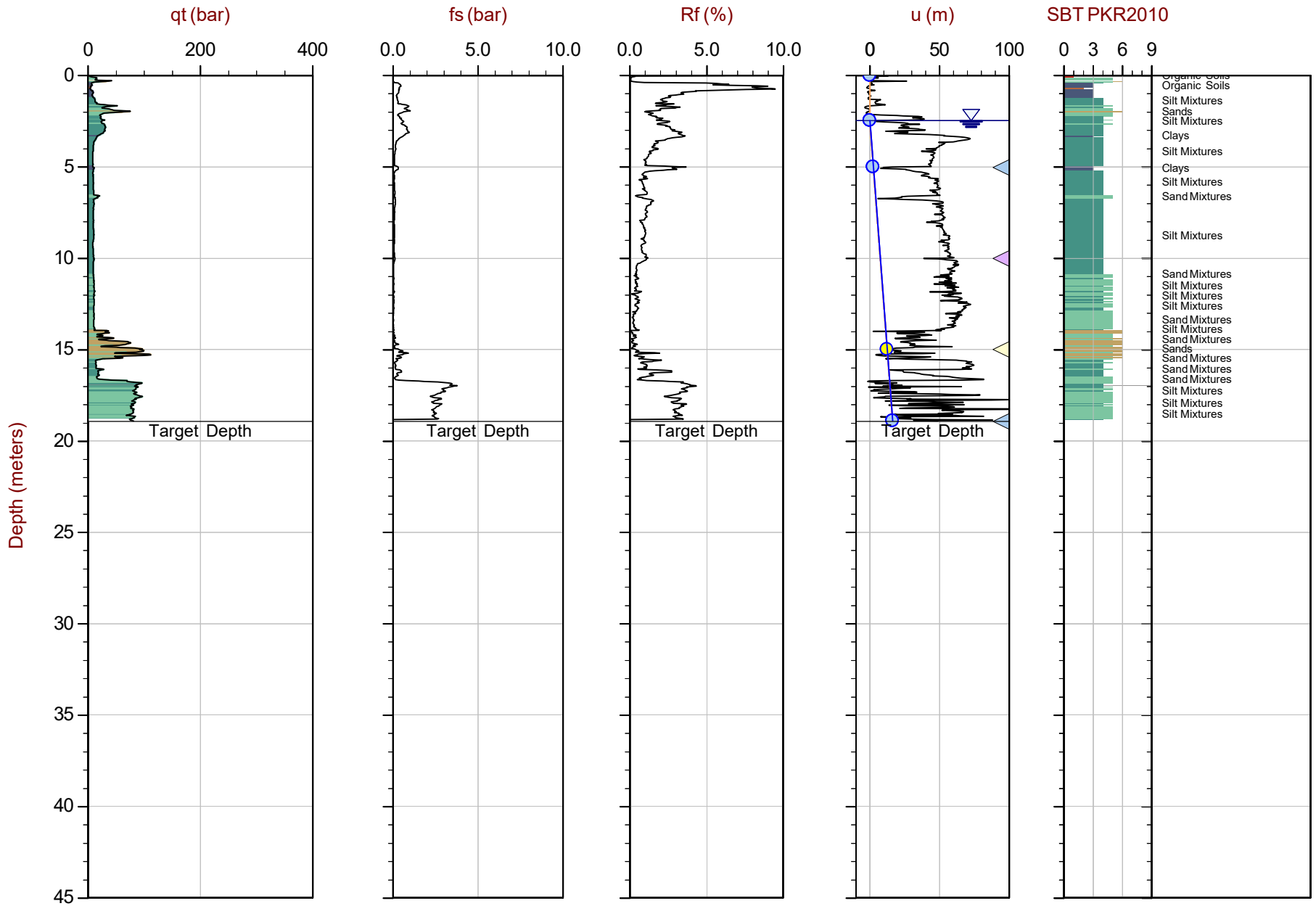
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-22 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35



Max Depth: 18.925 m / 62.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF10.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408198m E: 476077m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

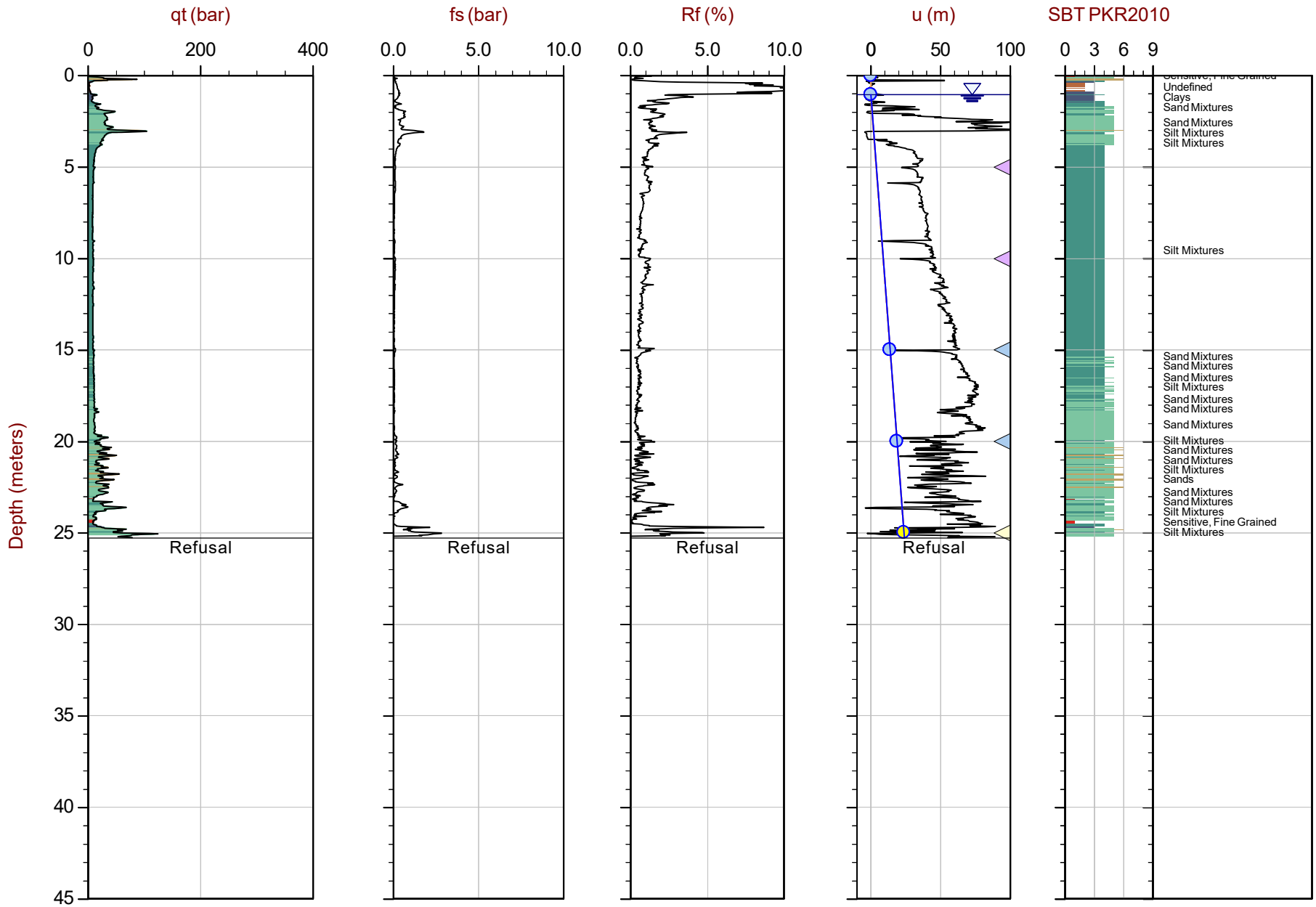
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-14 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35



Max Depth: 25.275 m / 82.92 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF11.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5405754m E: 474678m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

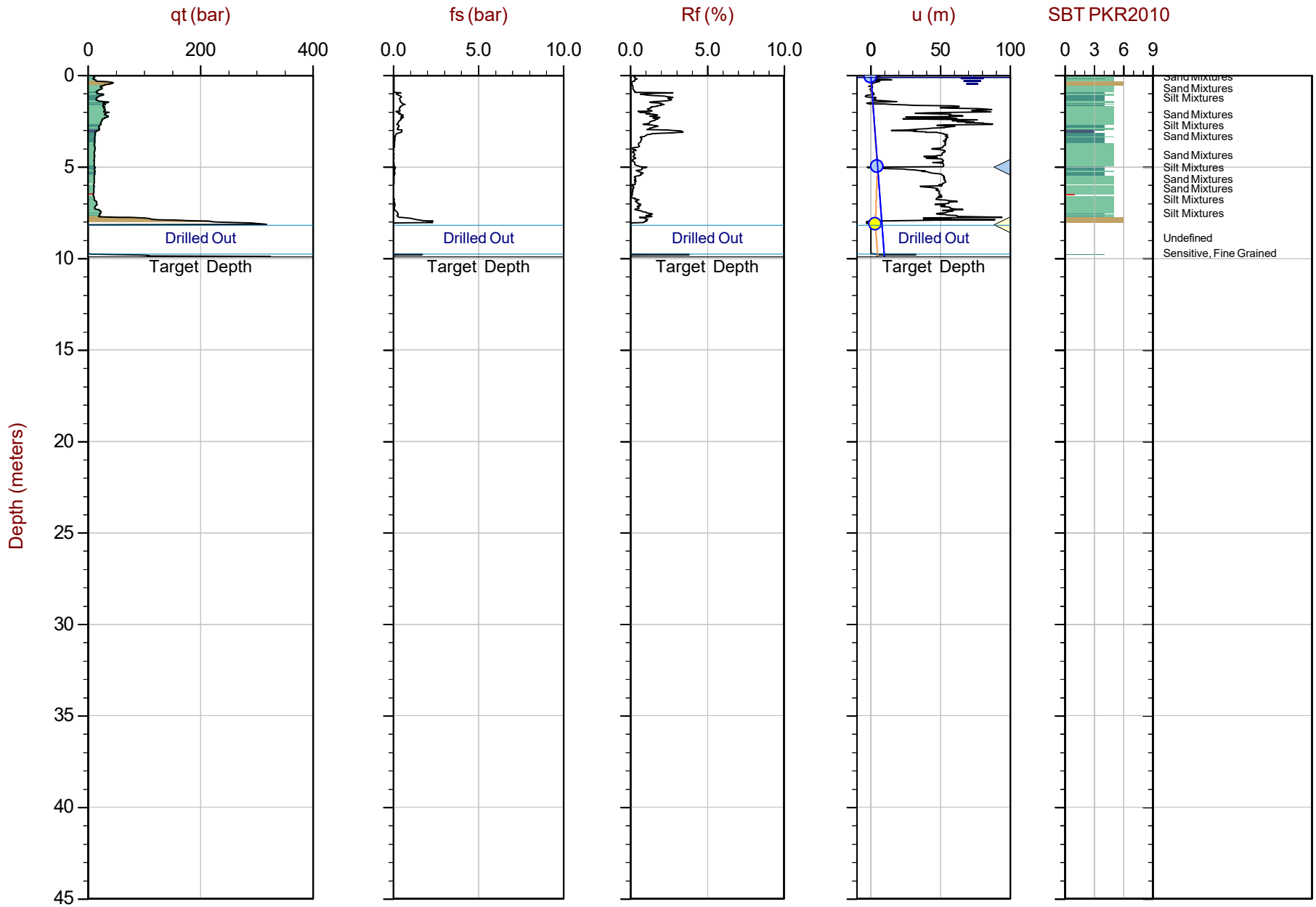
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-24 22:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-13
Cone: 726:T1500F15U35



Max Depth: 9.900 m / 32.48 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF13.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408237m E: 476950m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

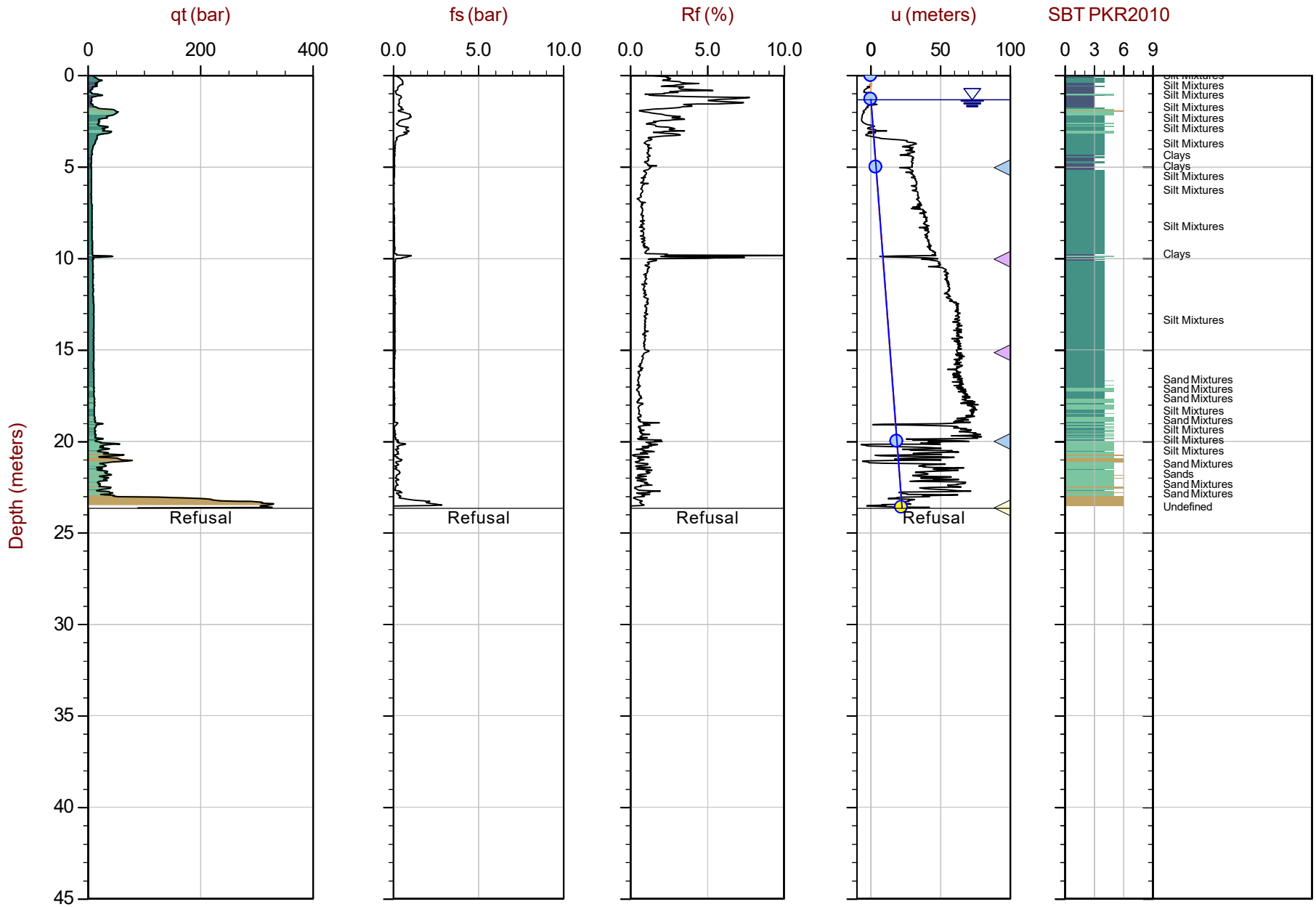
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-21 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35



Max Depth: 23.650 m / 77.59 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF14.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5406441m E: 474817m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

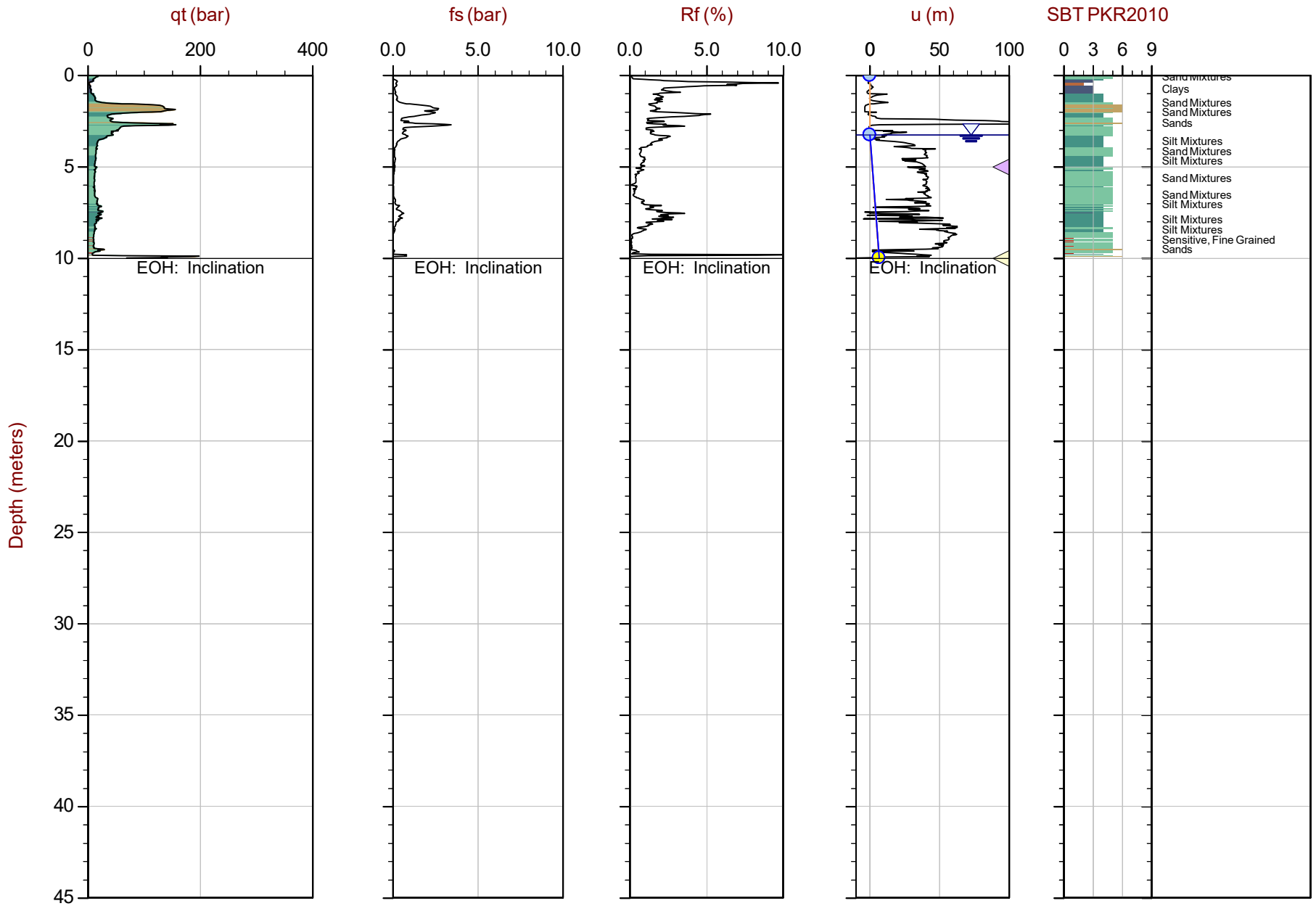
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-10 07:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-15
Cone: 728:T1500F15U35



Max Depth: 10.000 m / 32.81 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF15.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5407081m E: 475195m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

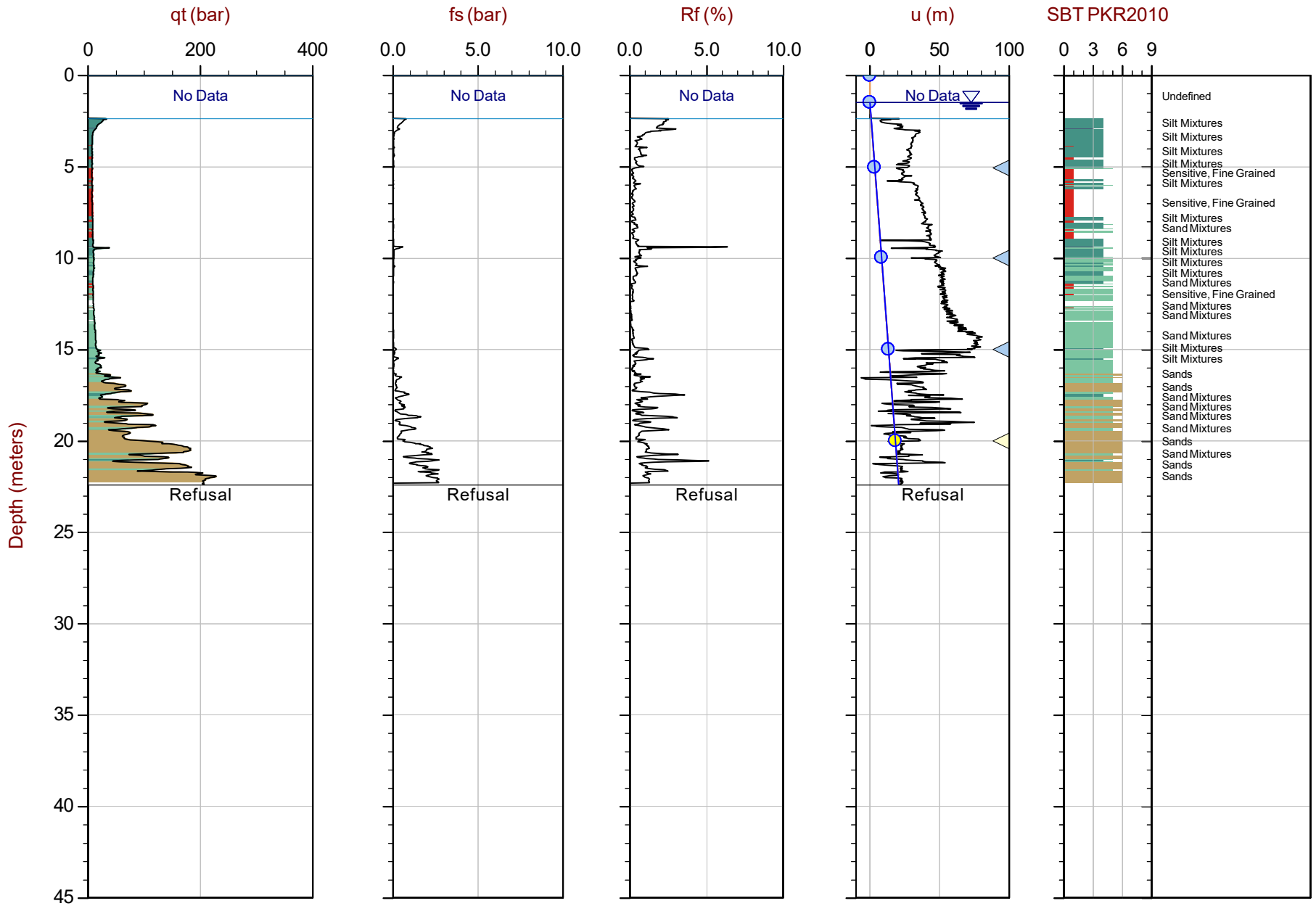
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-10 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35



Max Depth: 22.400 m / 73.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF17.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405900m E: 472155m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

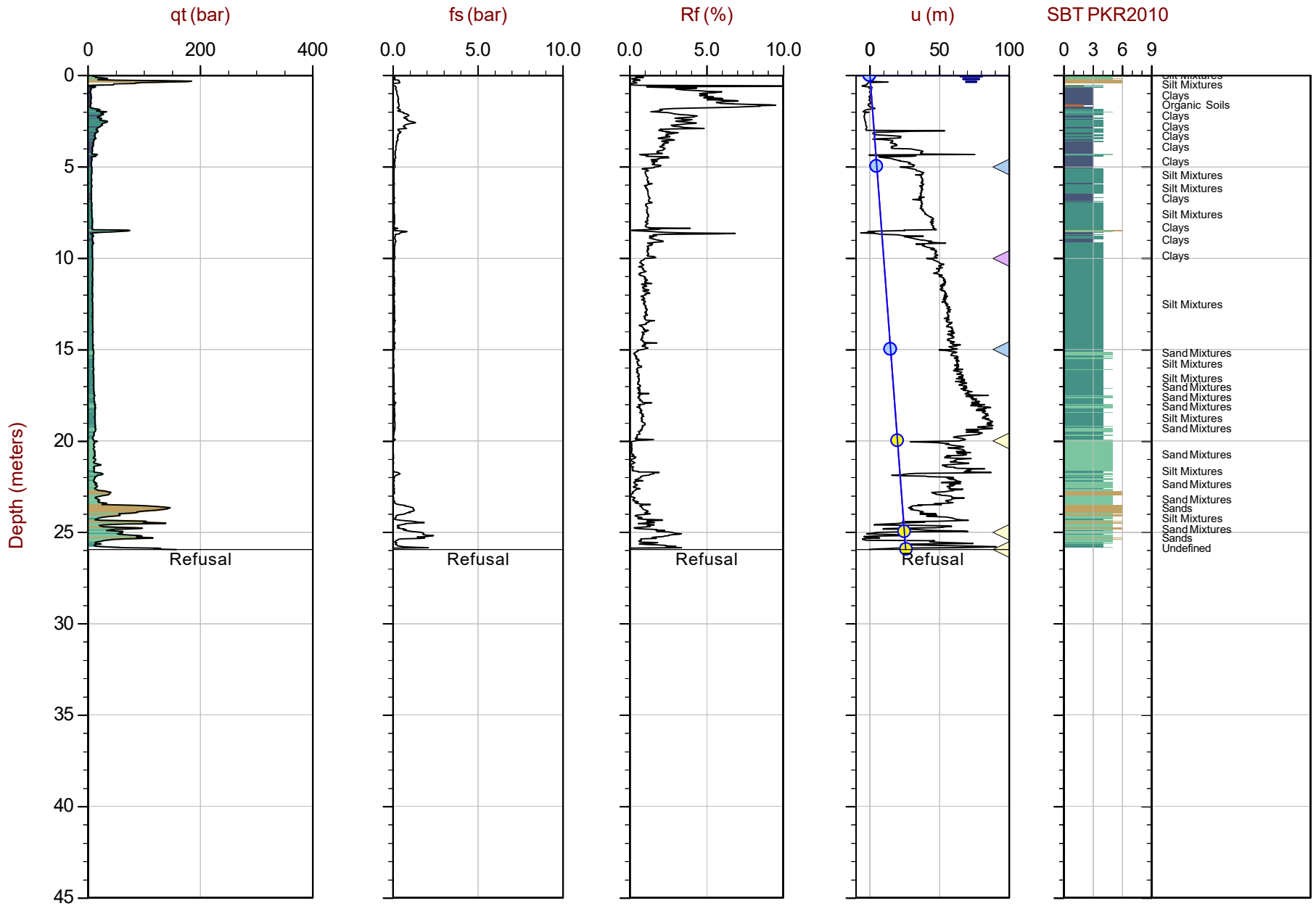
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-02 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35



Max Depth: 25.950 m / 85.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF18.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405711m E: 476778m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

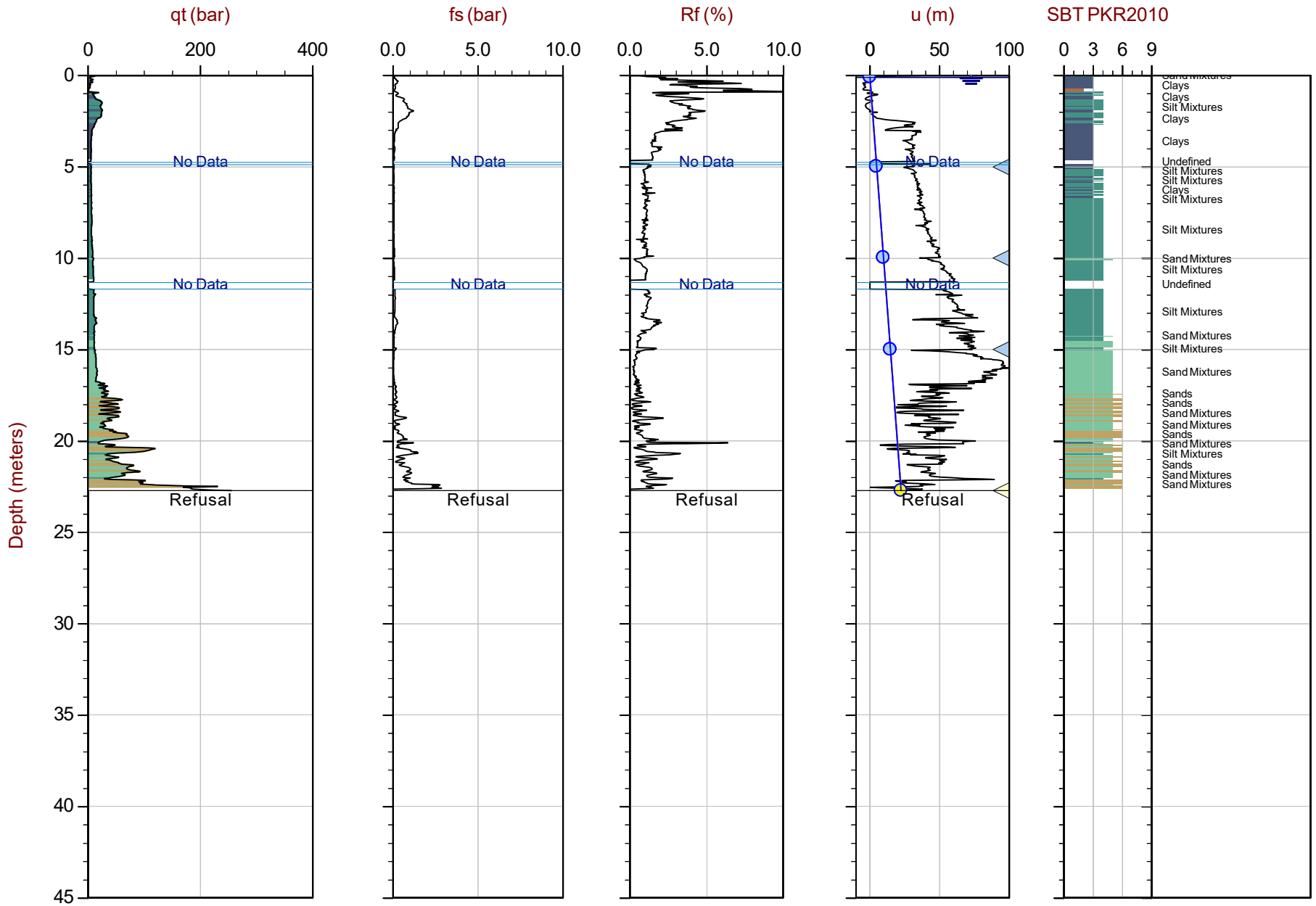
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-25 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35



Max Depth: 22.725 m / 74.56 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF20.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5403609m E: 473200m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

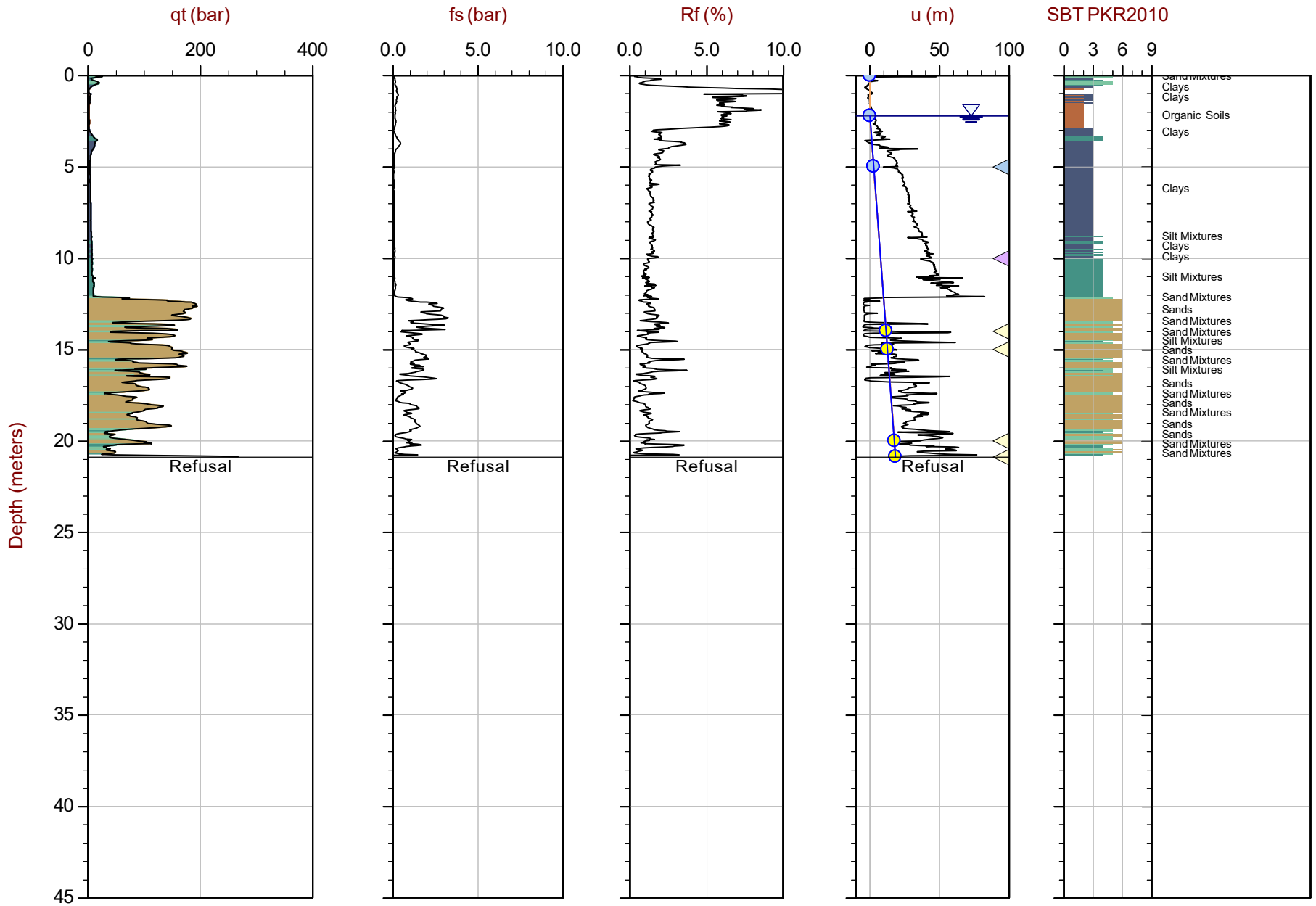
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-23 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35



Max Depth: 20.875 m / 68.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF21.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5401925m E: 473365m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

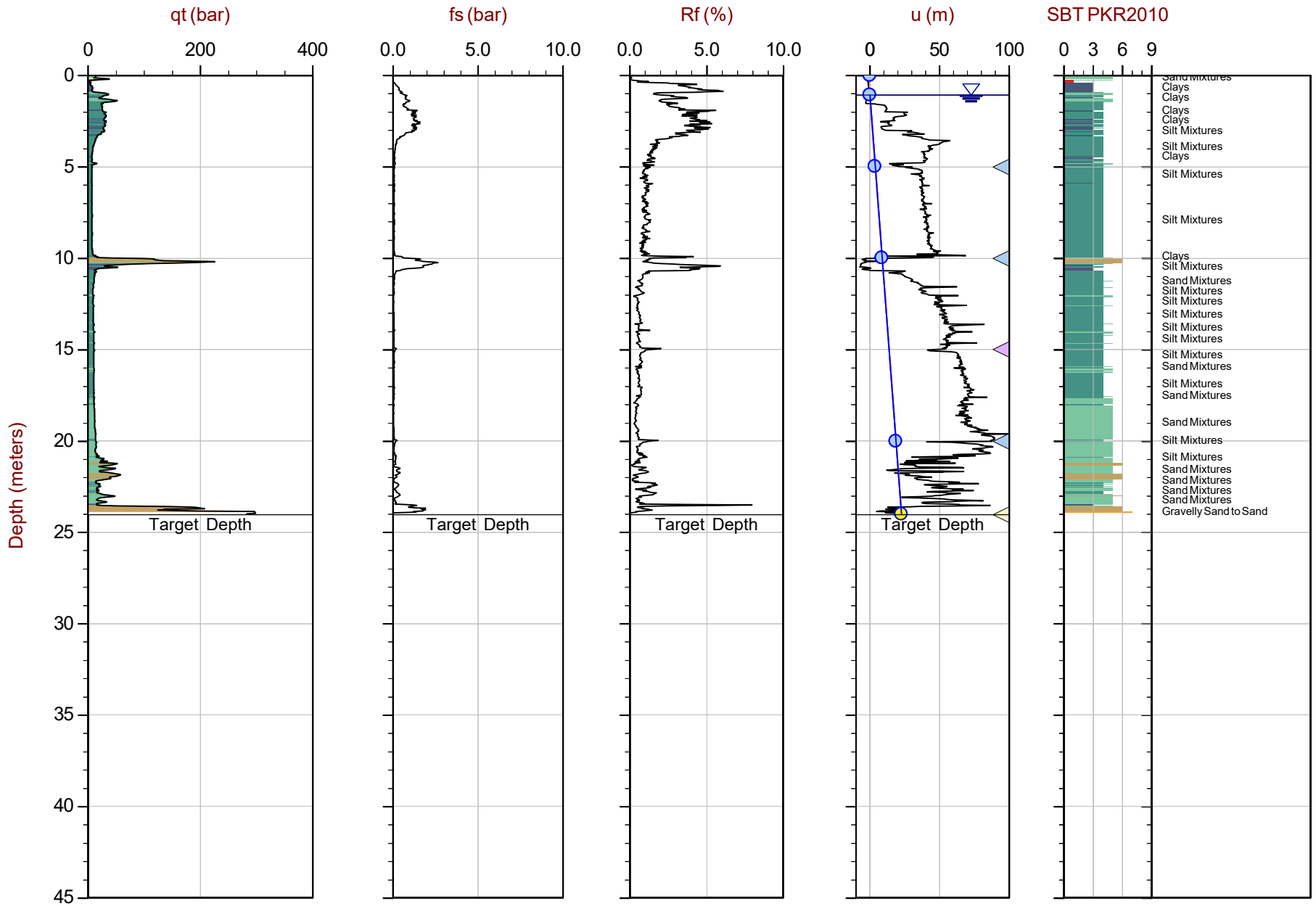
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-18 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35



Max Depth: 24.025 m / 78.82 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF23.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5403417m E: 476616m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

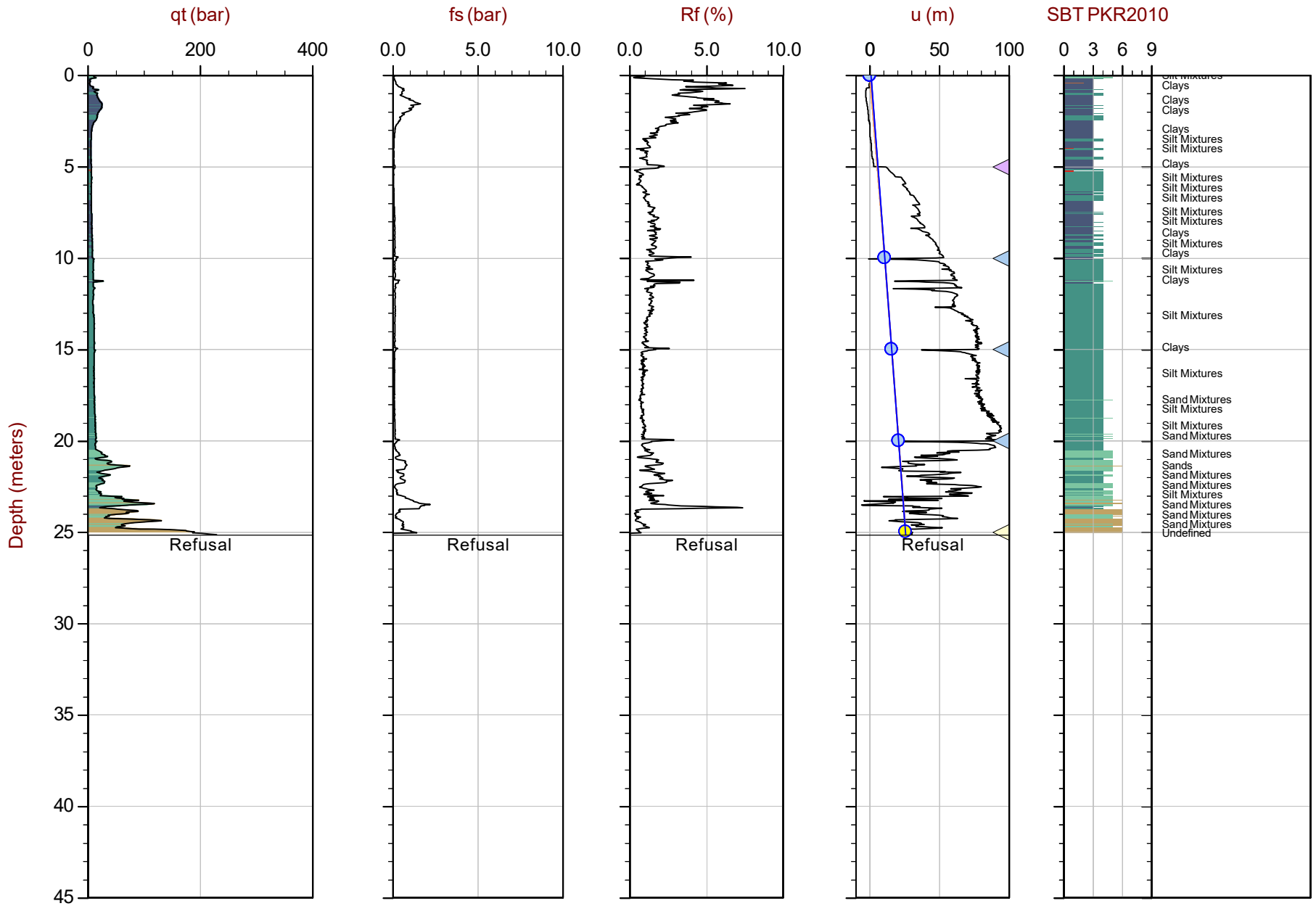
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-16 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35



Max Depth: 25.150 m / 82.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF29.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5404247m E: 476764m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

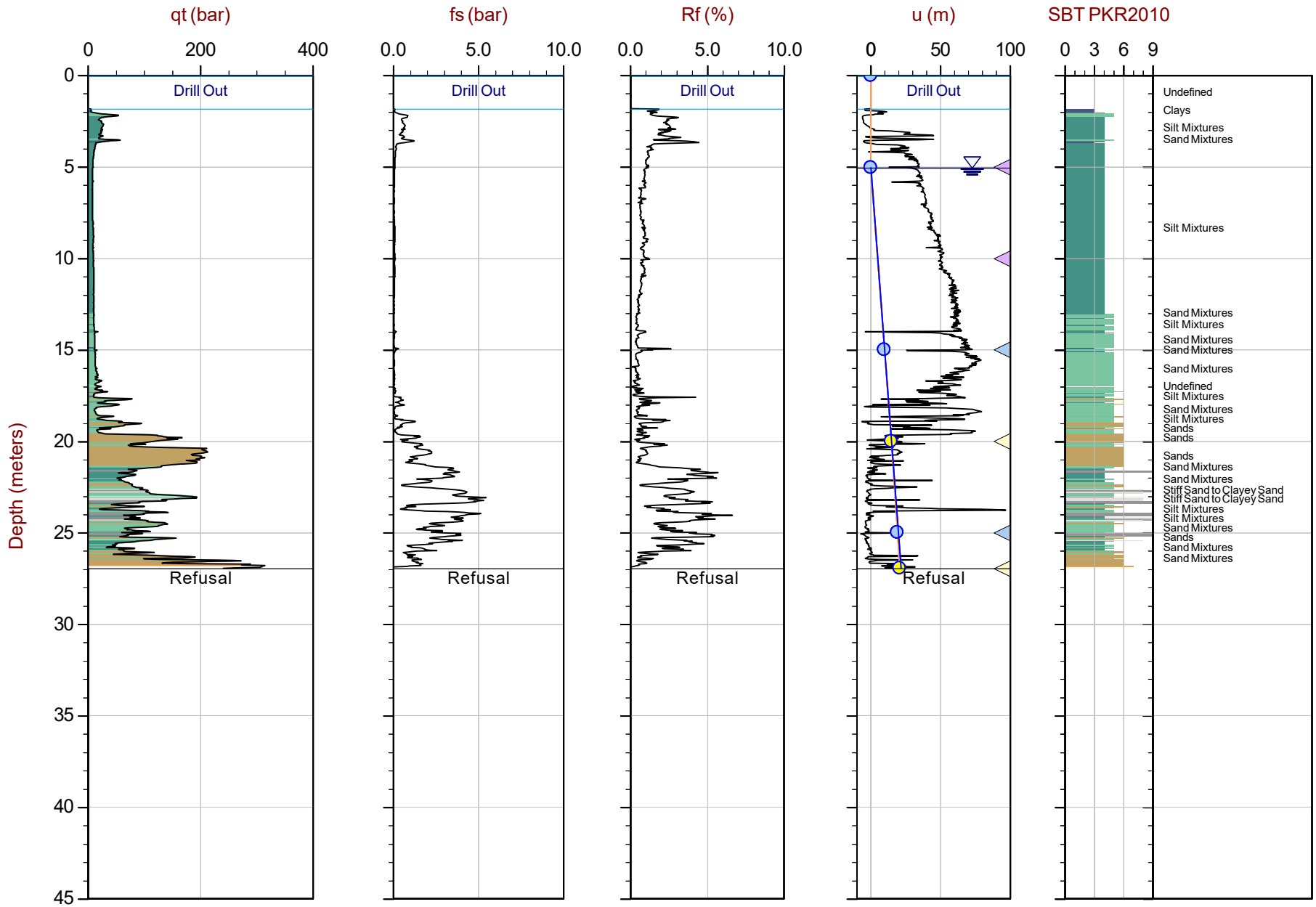
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-27 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35



Max Depth: 26.950 m / 88.42 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF102.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408278m E: 468244m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

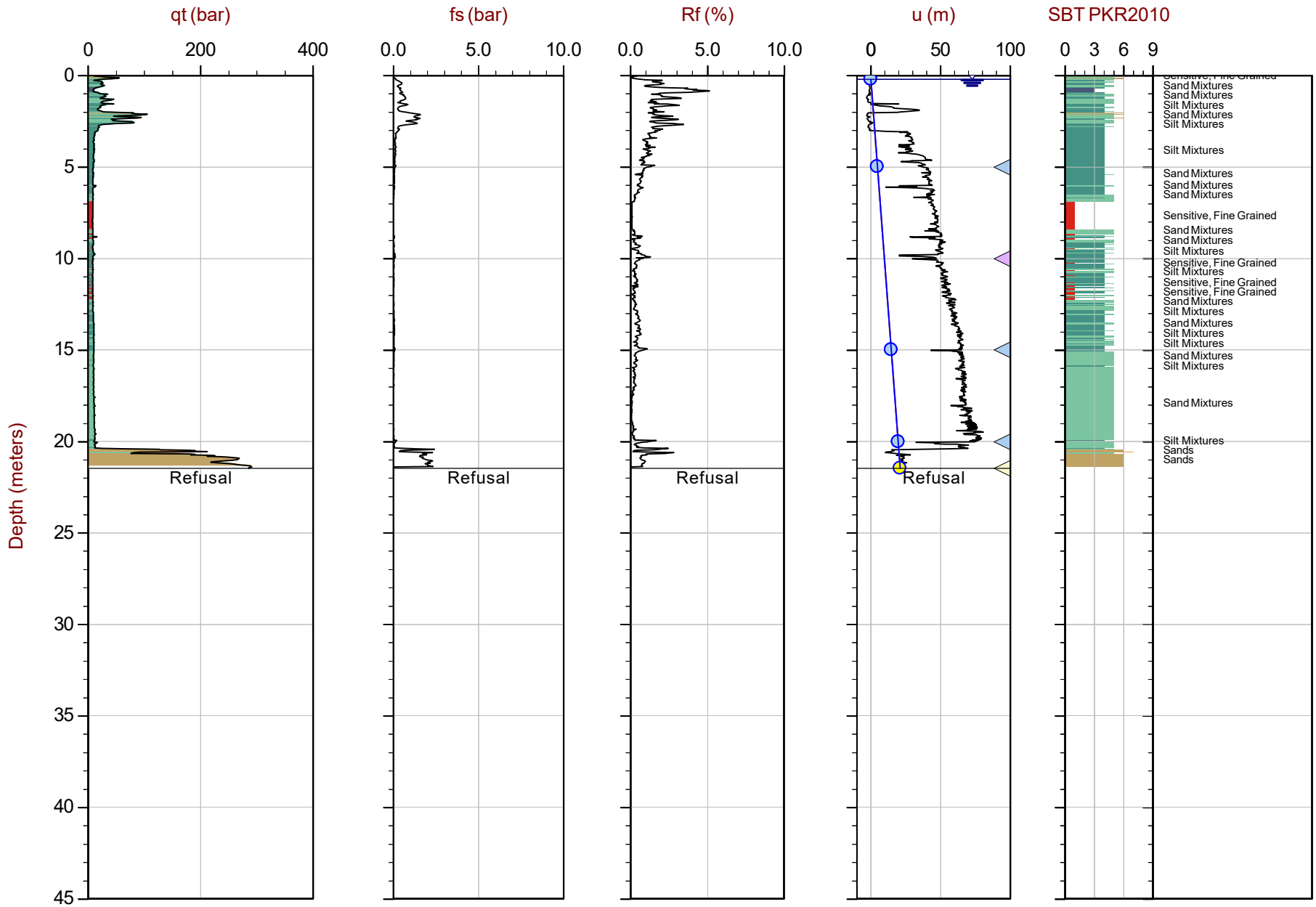
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-28 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35



Max Depth: 21.475 m / 70.46 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWOS01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409115m E: 471903m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

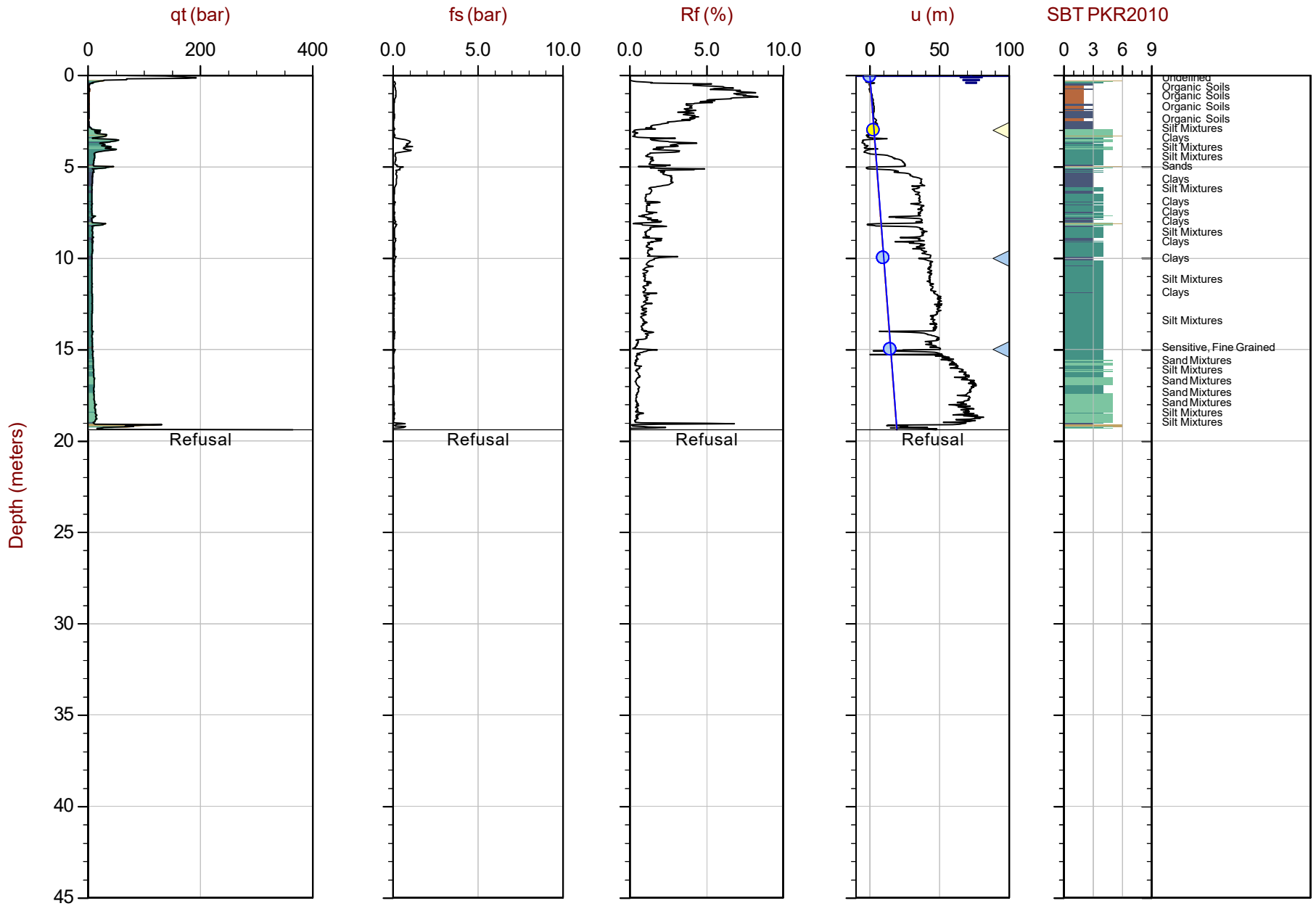
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-08 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35



Max Depth: 19.400 m / 63.65 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD10.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5410758m E: 474460m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

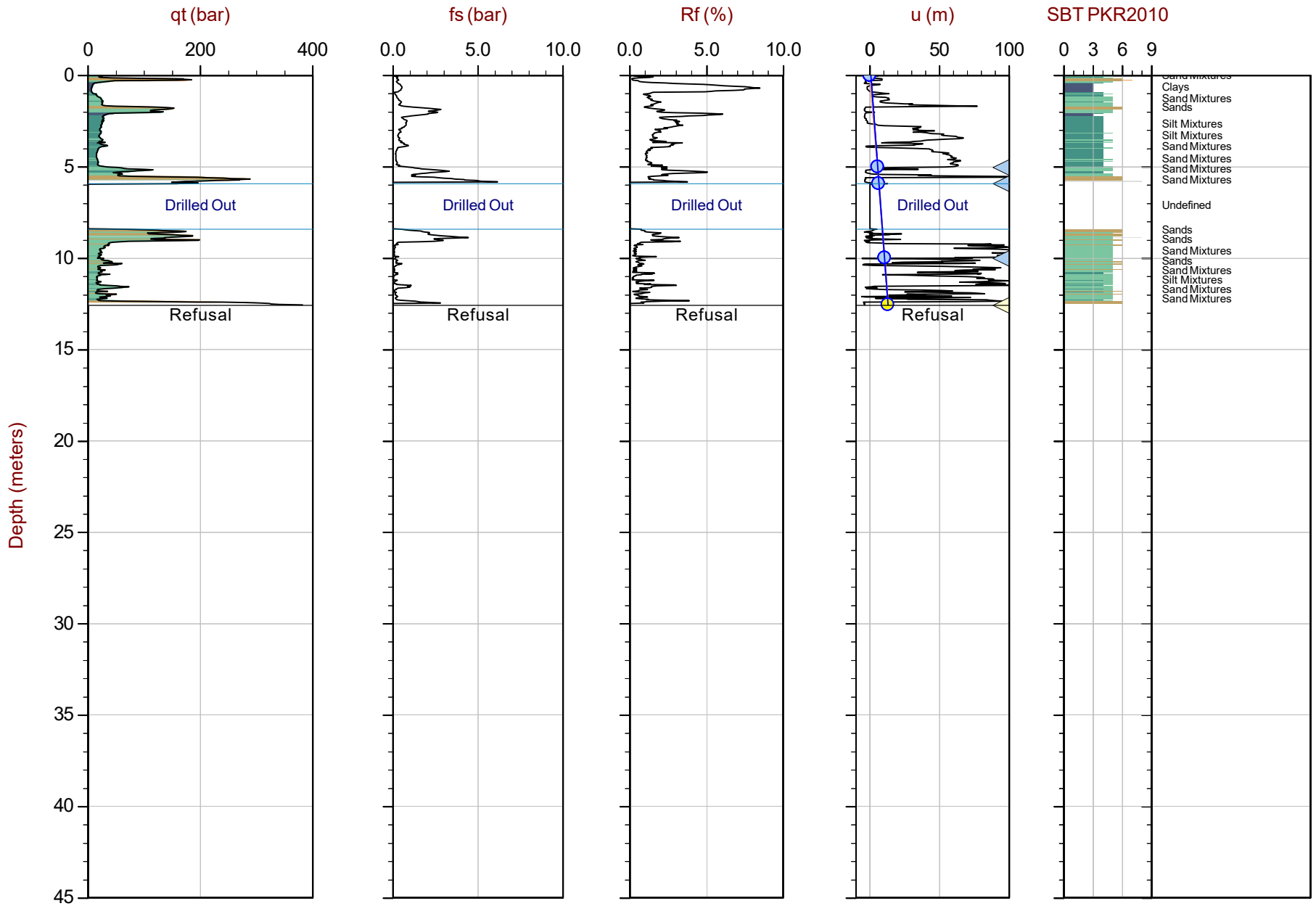
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-12 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35



Max Depth: 12.575 m / 41.26 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD14.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412880m E: 471711m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

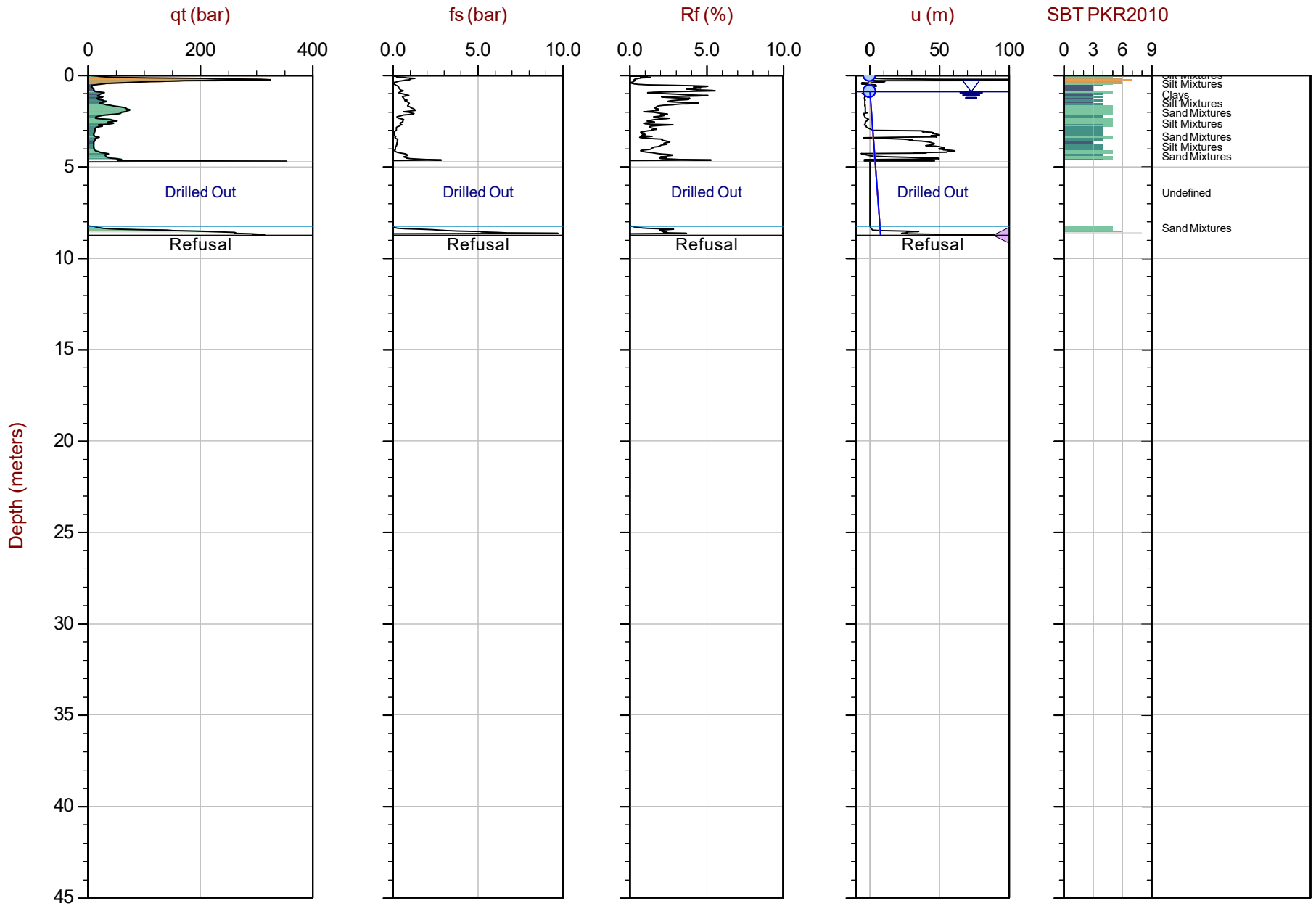
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-16 09:28
Site: Crawford Mine

Sounding: SRK-WRD-CPT-15
Cone: 728:T1500F15U35



Max Depth: 8.750 m / 28.71 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD15.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5412030m E: 471391m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

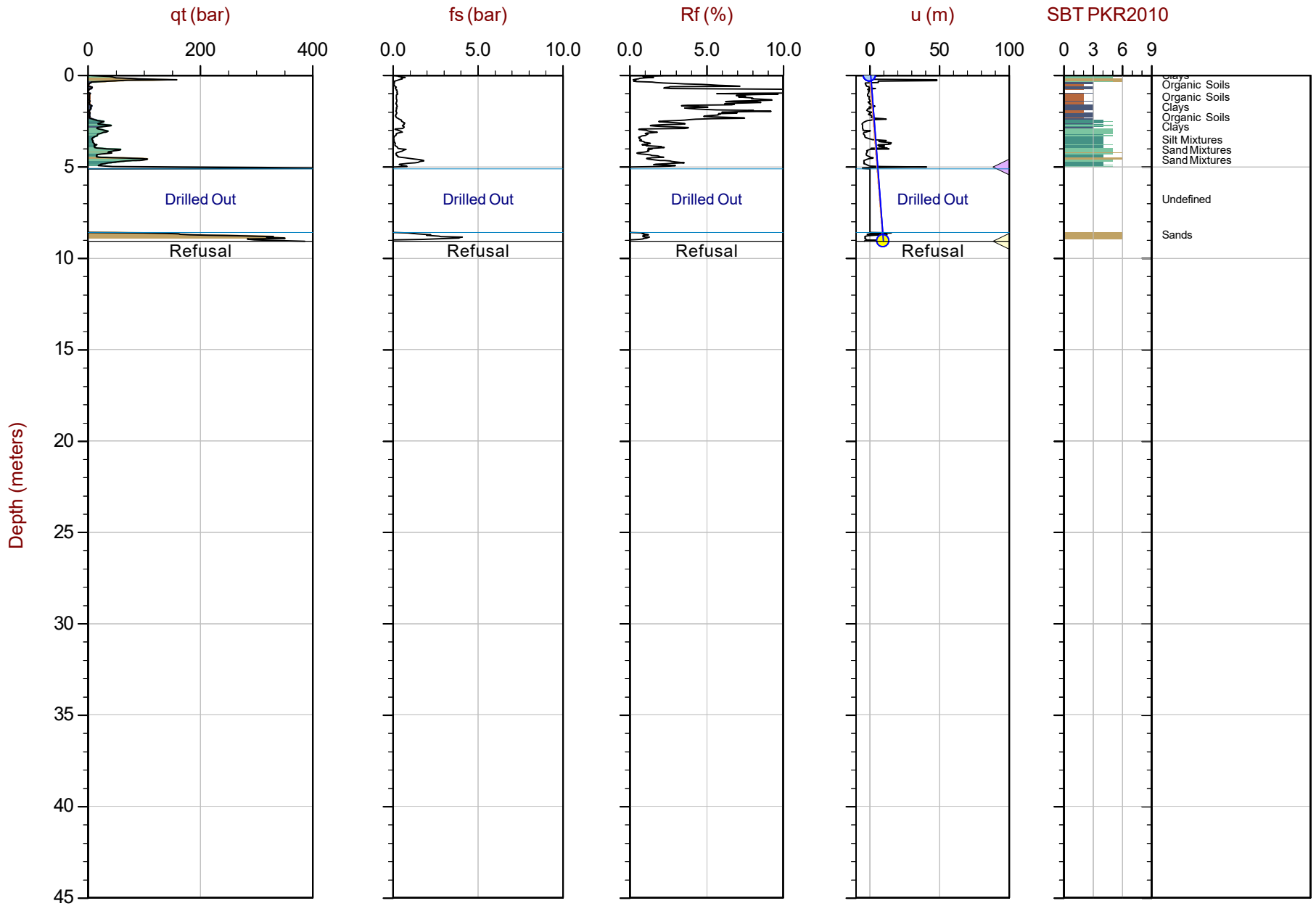
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-14 09:02
Site: Crawford Mine

Sounding: SRK-WRD-CPT-16
Cone: 728:T1500F15U35



Max Depth: 9.075 m / 29.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD16.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5413770m E: 471455m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

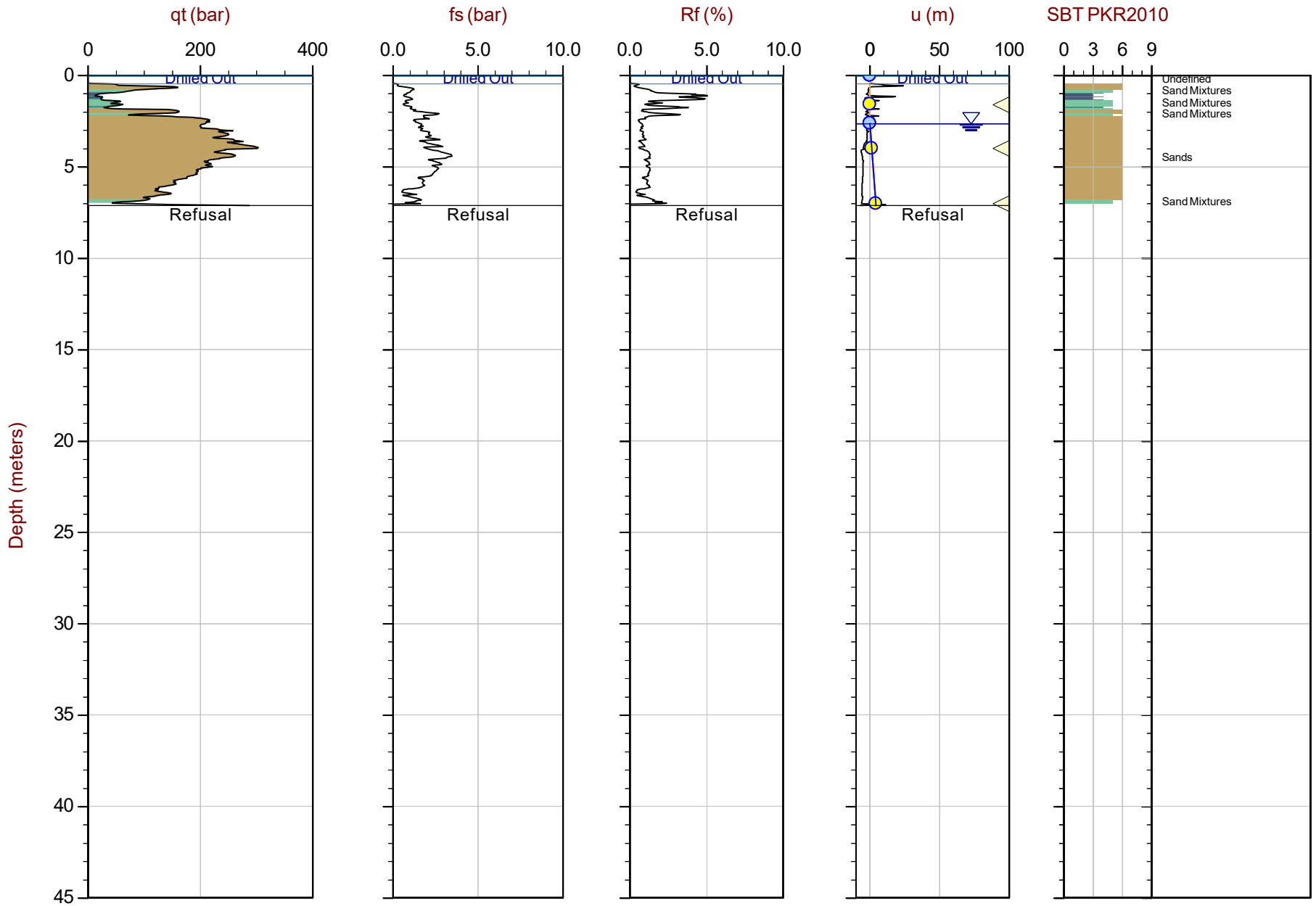
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-09 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35



Max Depth: 7.125 m / 23.38 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD17.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5415177m E: 472209m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

Advanced Cone Penetration Test Plots

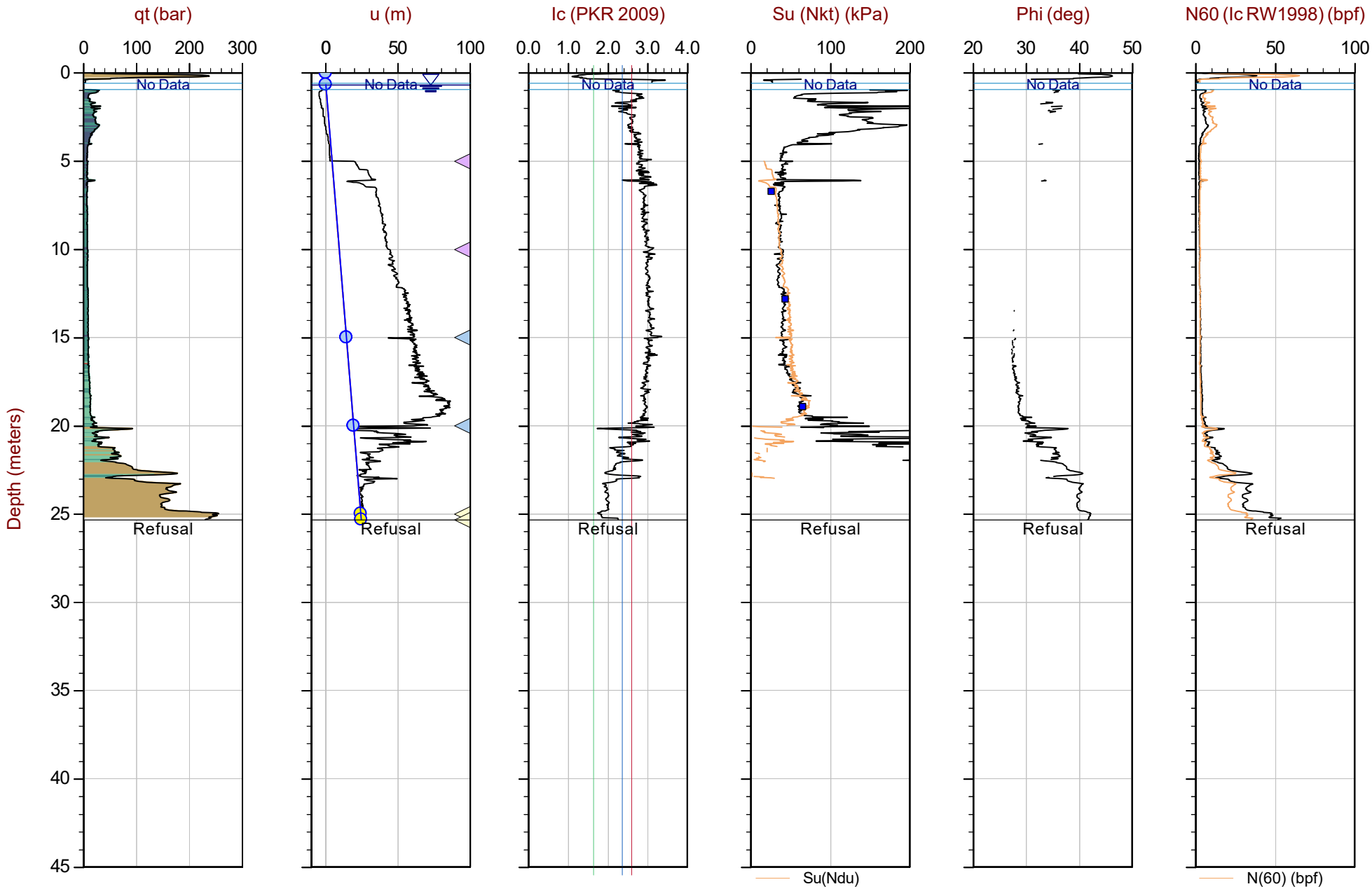
CONETEC

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-02 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35



Max Depth: 25.325 m / 83.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPHG01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408071m E: 471295m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

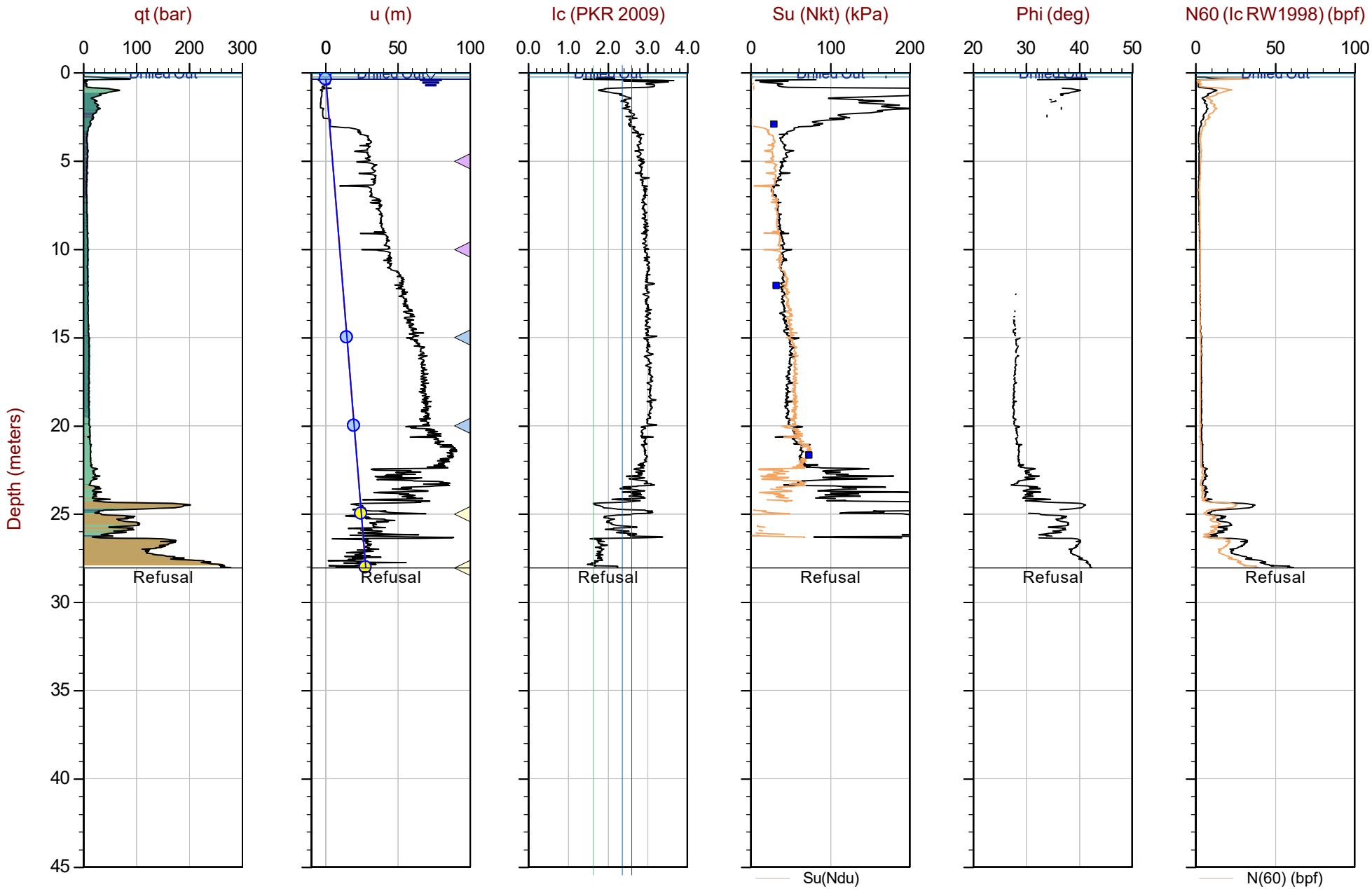
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-01 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35



Max Depth: 28.050 m / 92.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPHG03.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408671m E: 471268m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

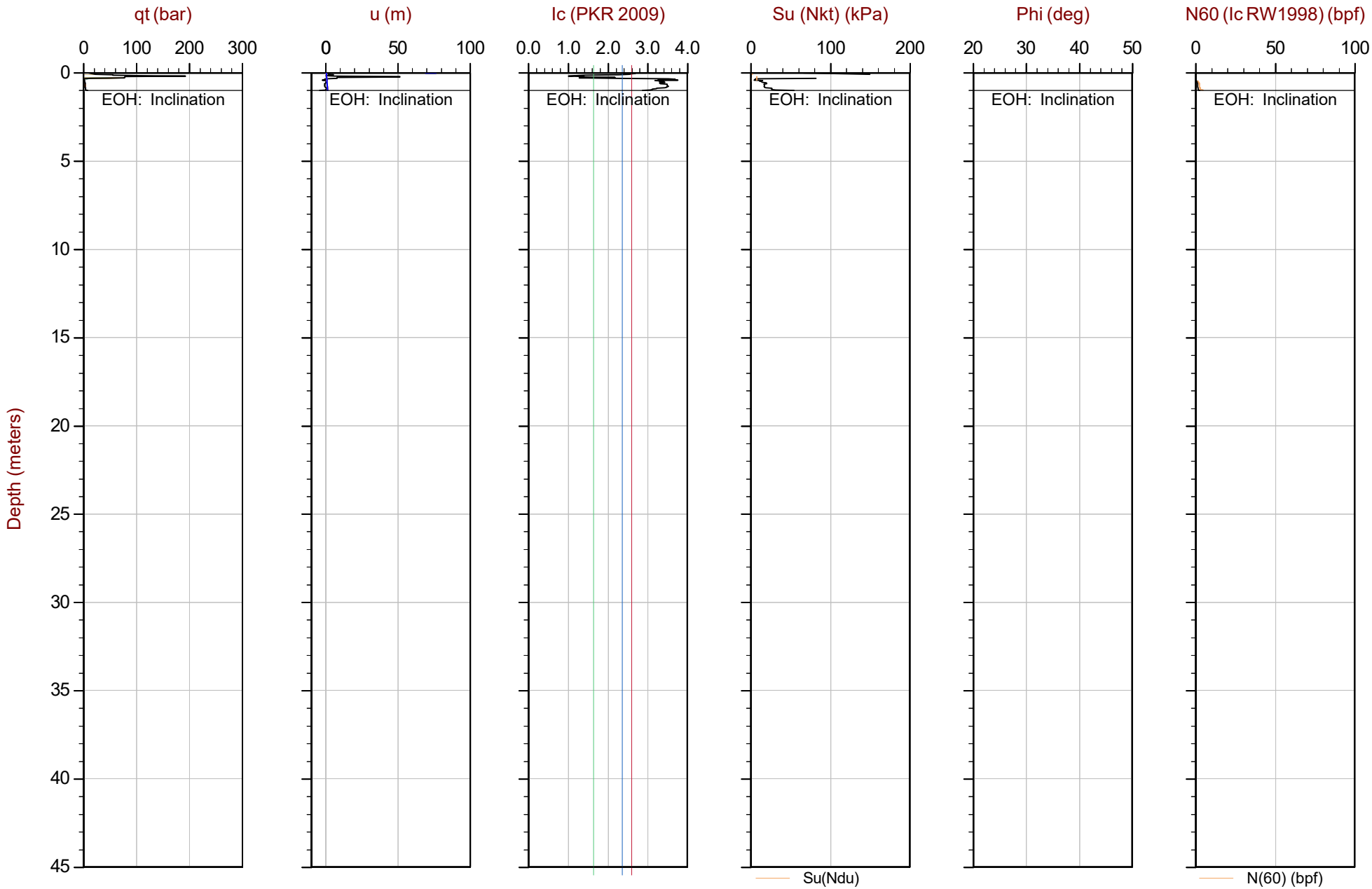
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-05 07:56
Site: Crawford Mine

Sounding: SRK-LG-CPT-01
Cone: 728:T1500F15U35



Max Depth: 1.000 m / 3.28 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409698m E: 470923m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

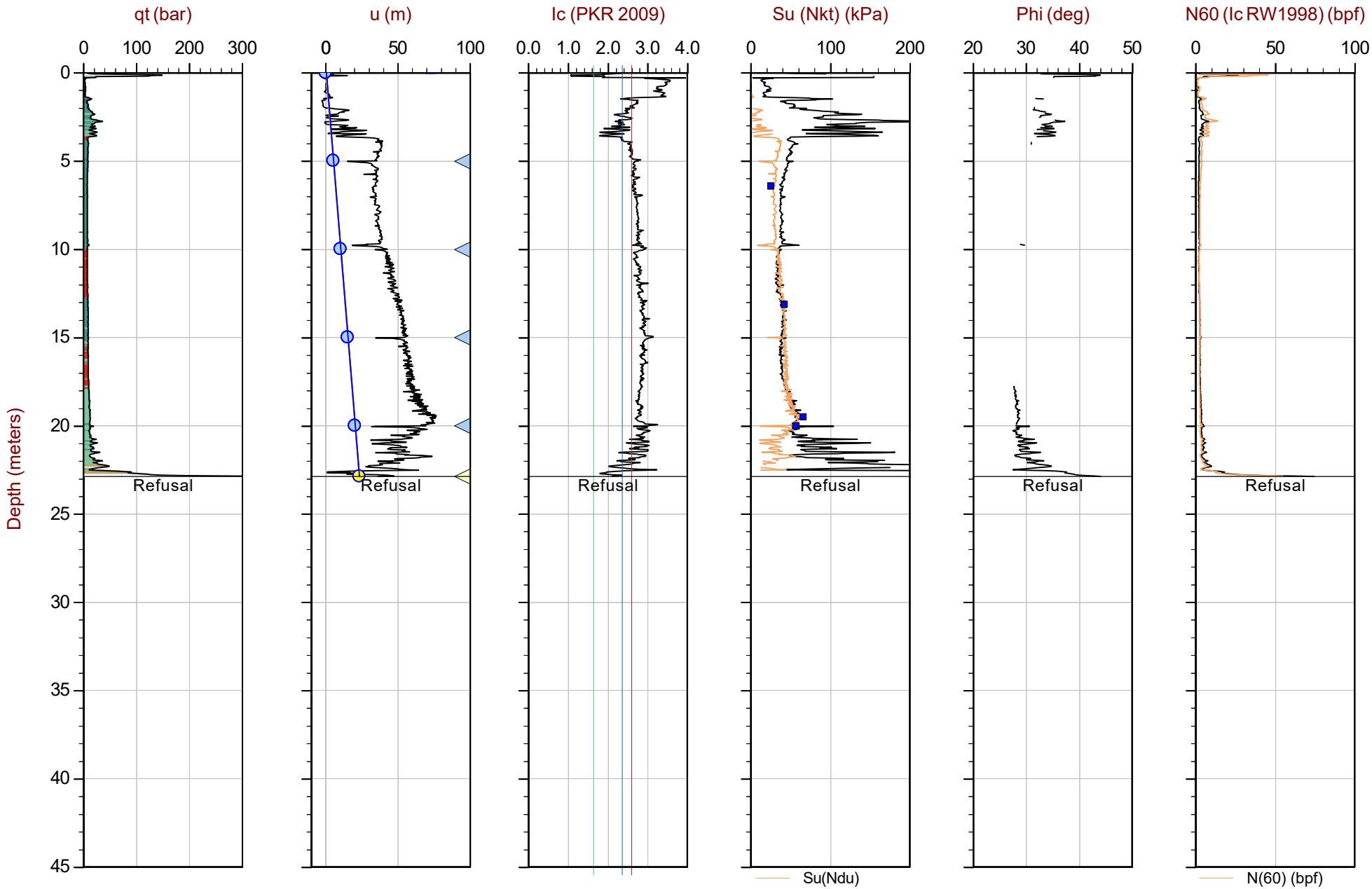
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-05 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35



Max Depth: 22.875 m / 75.05 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG01B.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409698m E: 470922m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

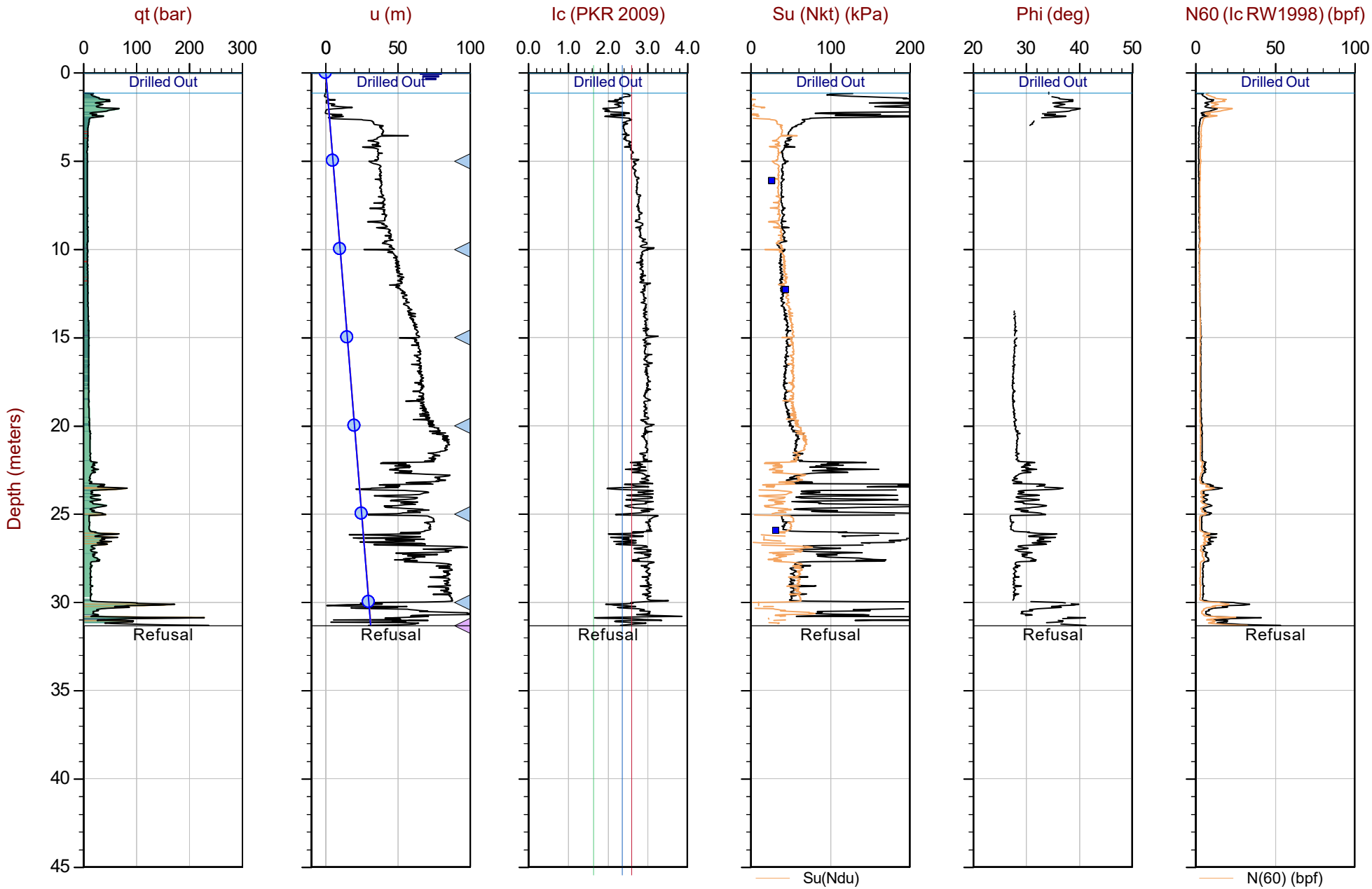
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-26 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35



Max Depth: 31.325 m / 102.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG02.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409965m E: 471545m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

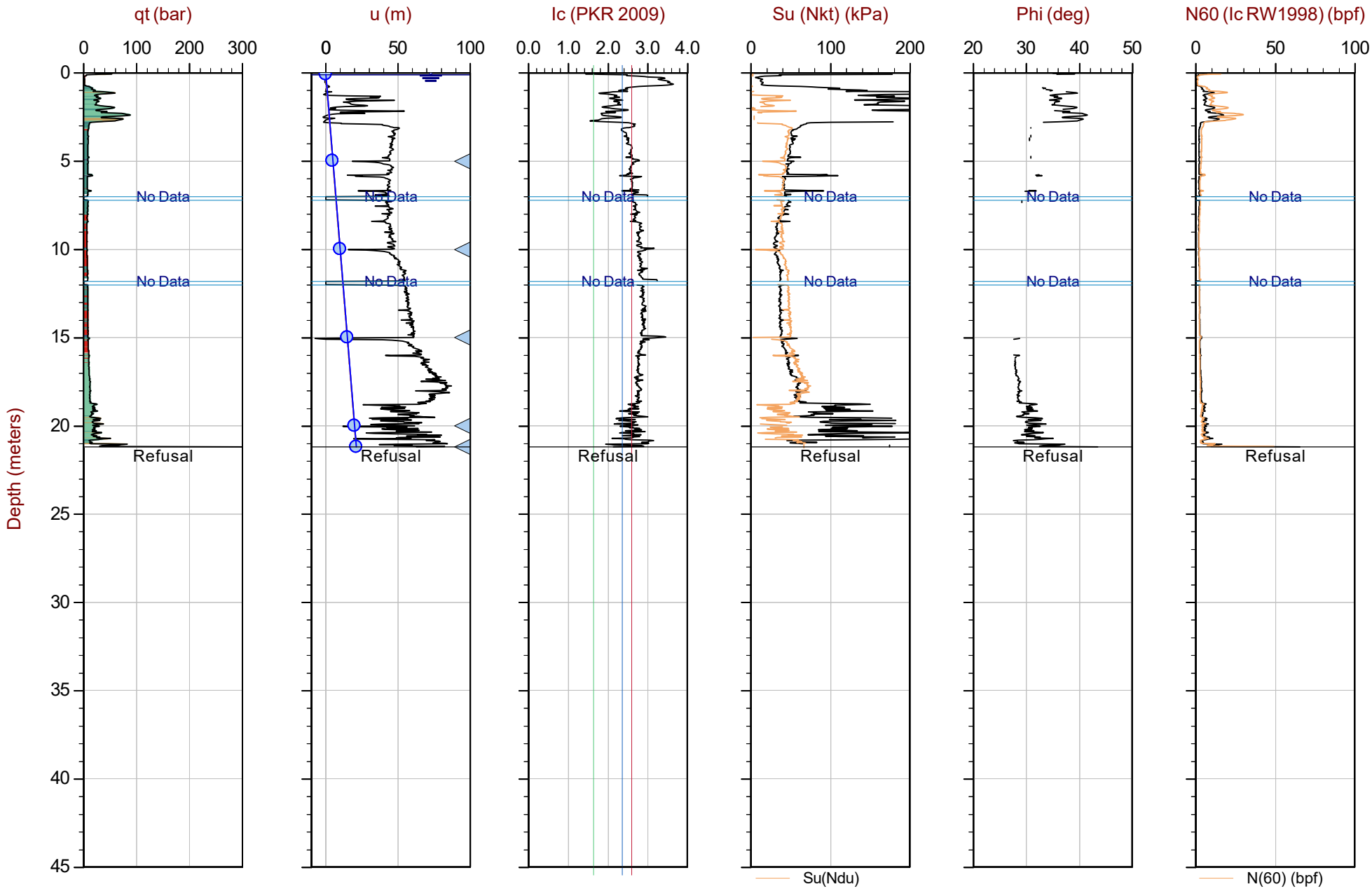
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-21 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35



Max Depth: 21.200 m / 69.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG03.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410683m E: 471895m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

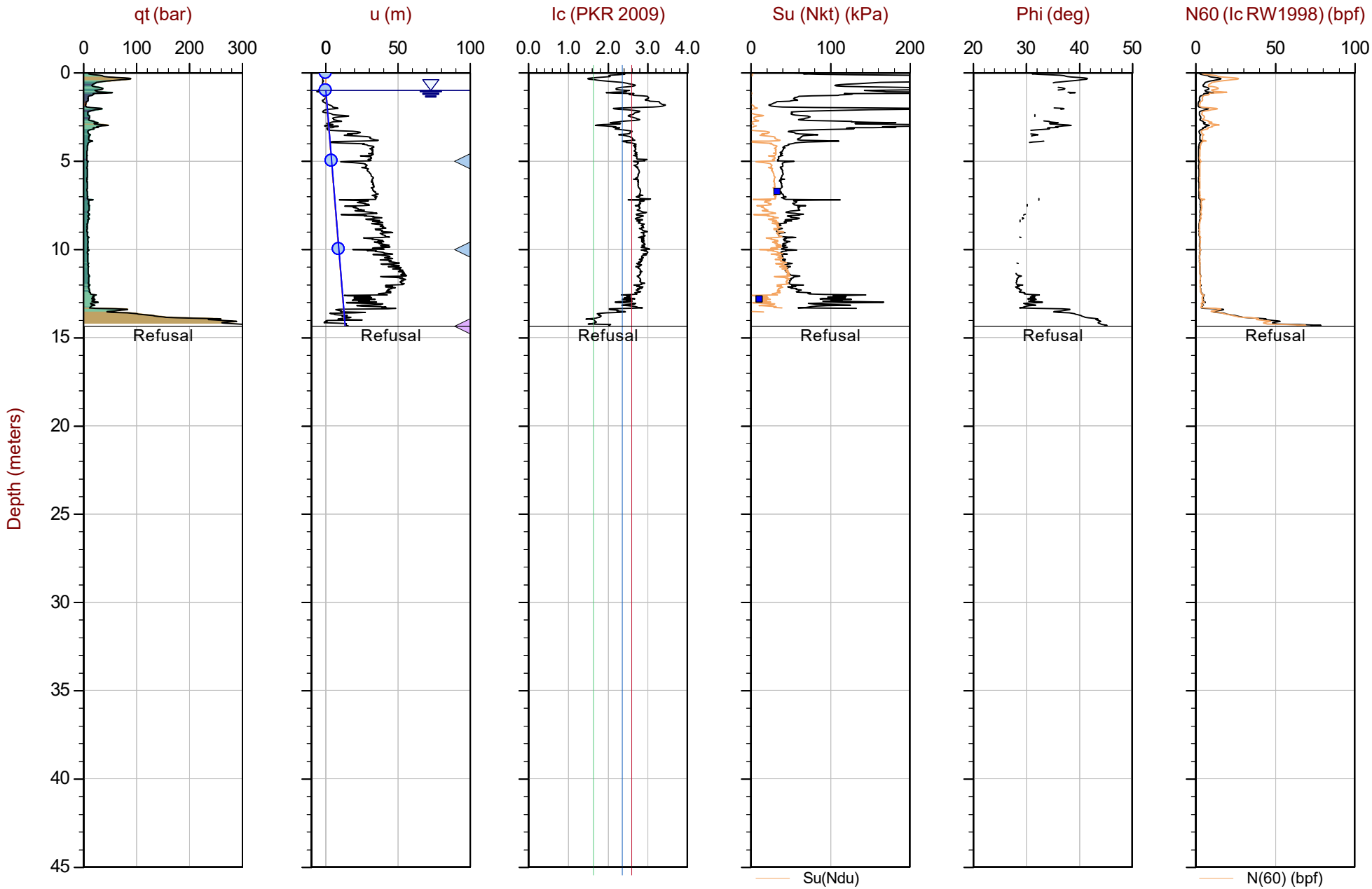
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-25 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35



Max Depth: 14.350 m / 47.08 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG05.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5411982m E: 470413m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

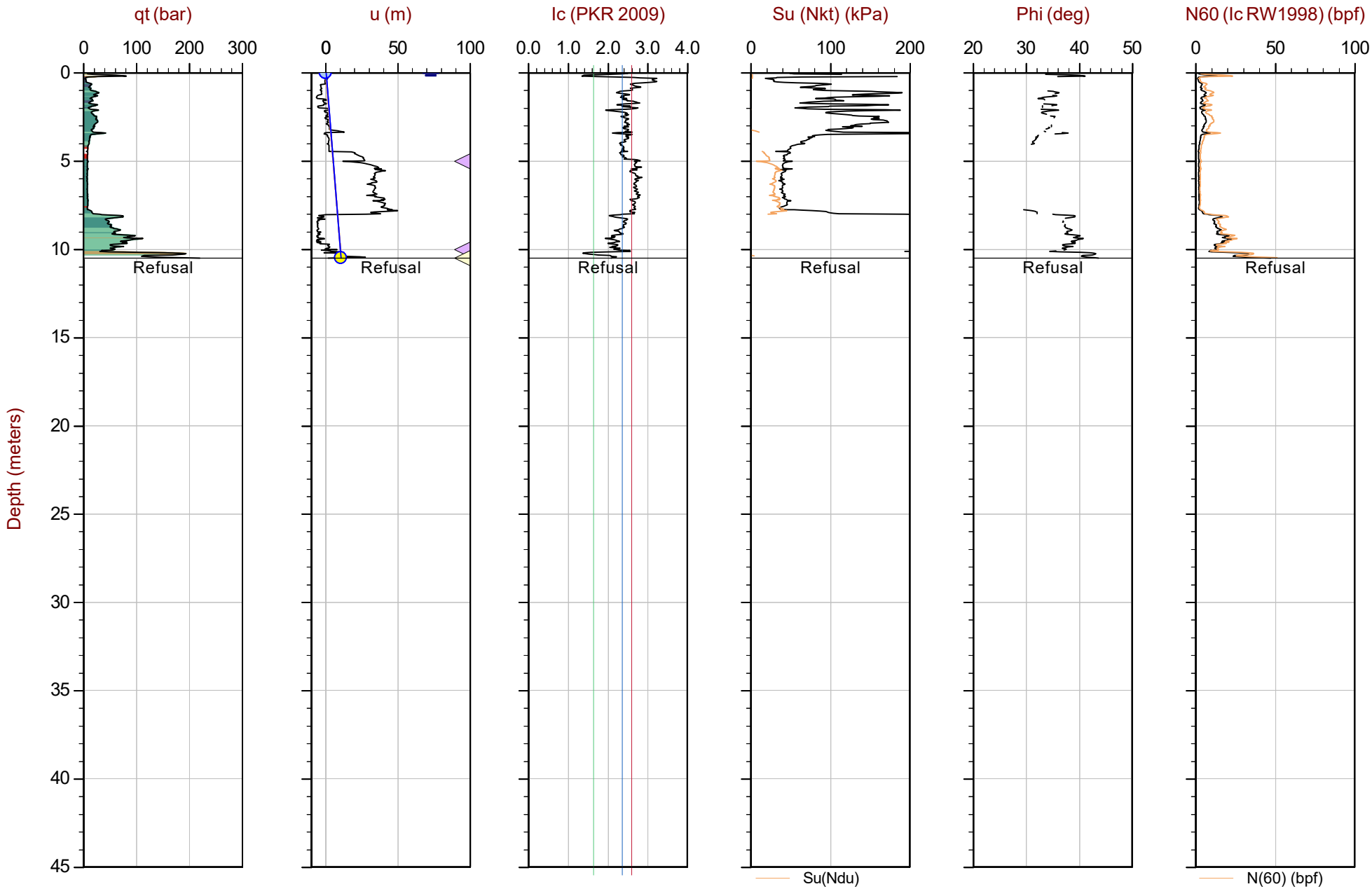
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-06 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35



Max Depth: 10.500 m / 34.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG06.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5411216m E: 470955m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

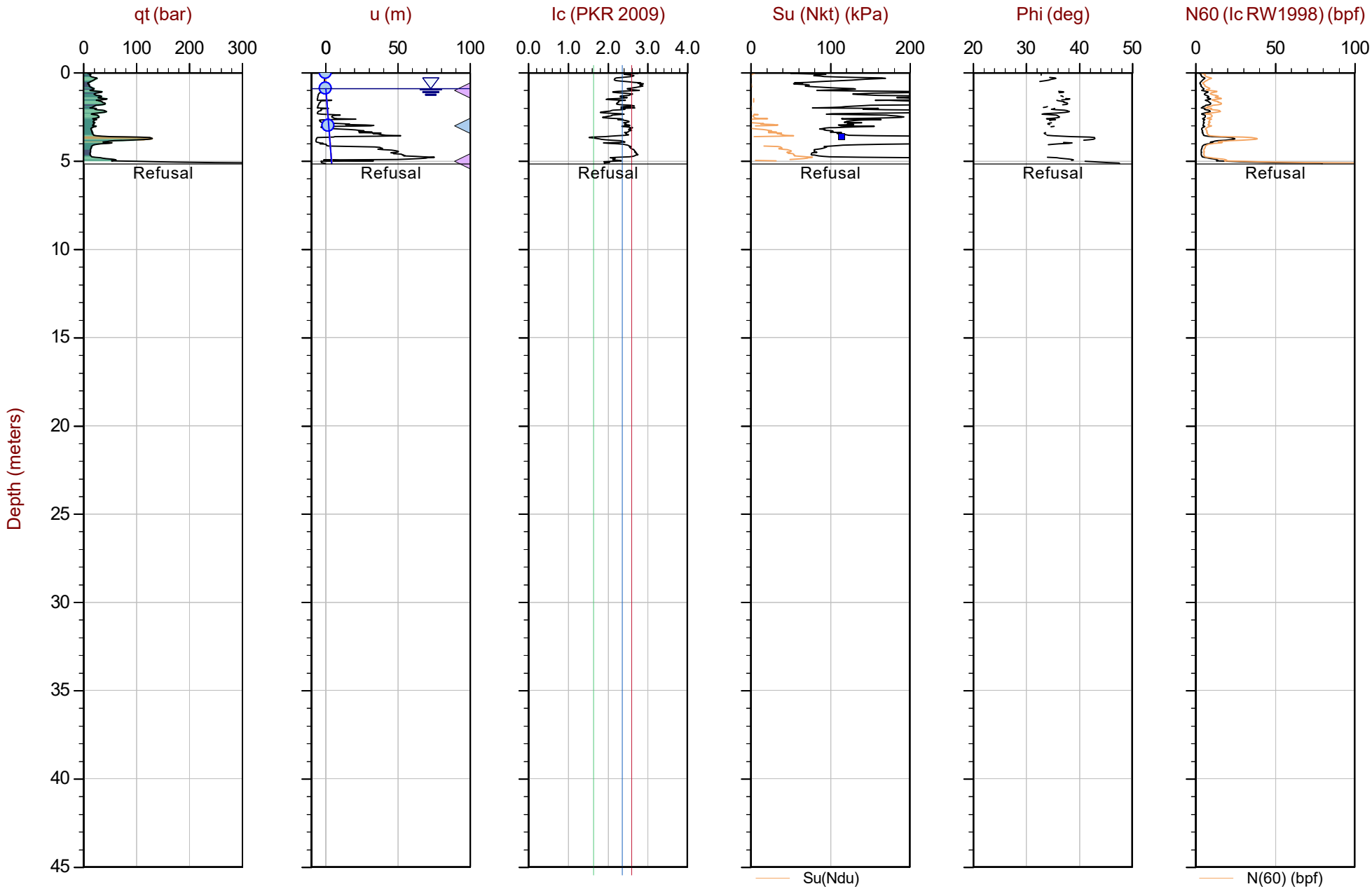
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-21 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35



Max Depth: 5.150 m / 16.90 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLGS01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412363m E: 471373m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

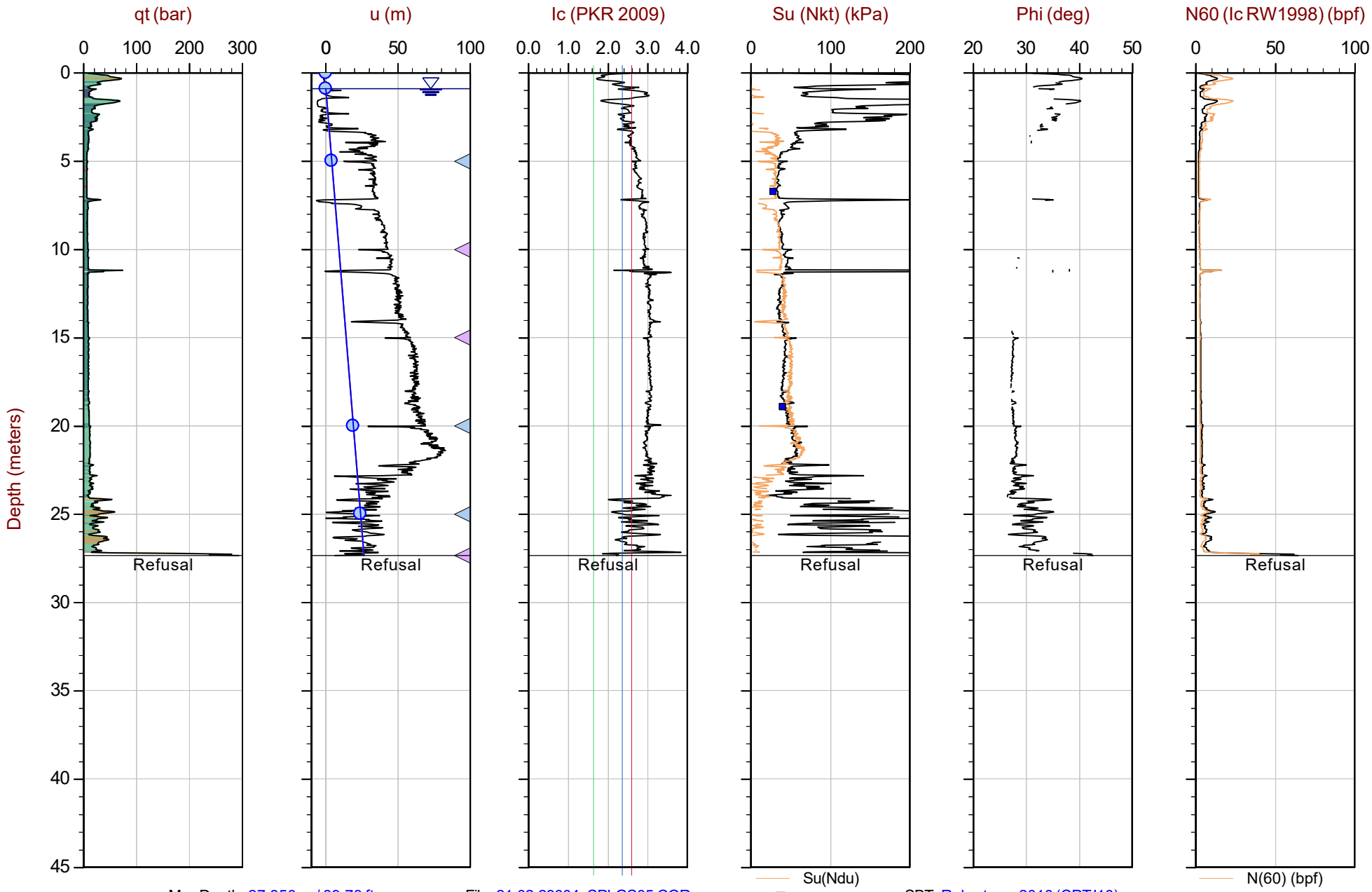
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-21 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35



Max Depth: 27.350 m / 89.73 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLGS05.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410662m E: 470411m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

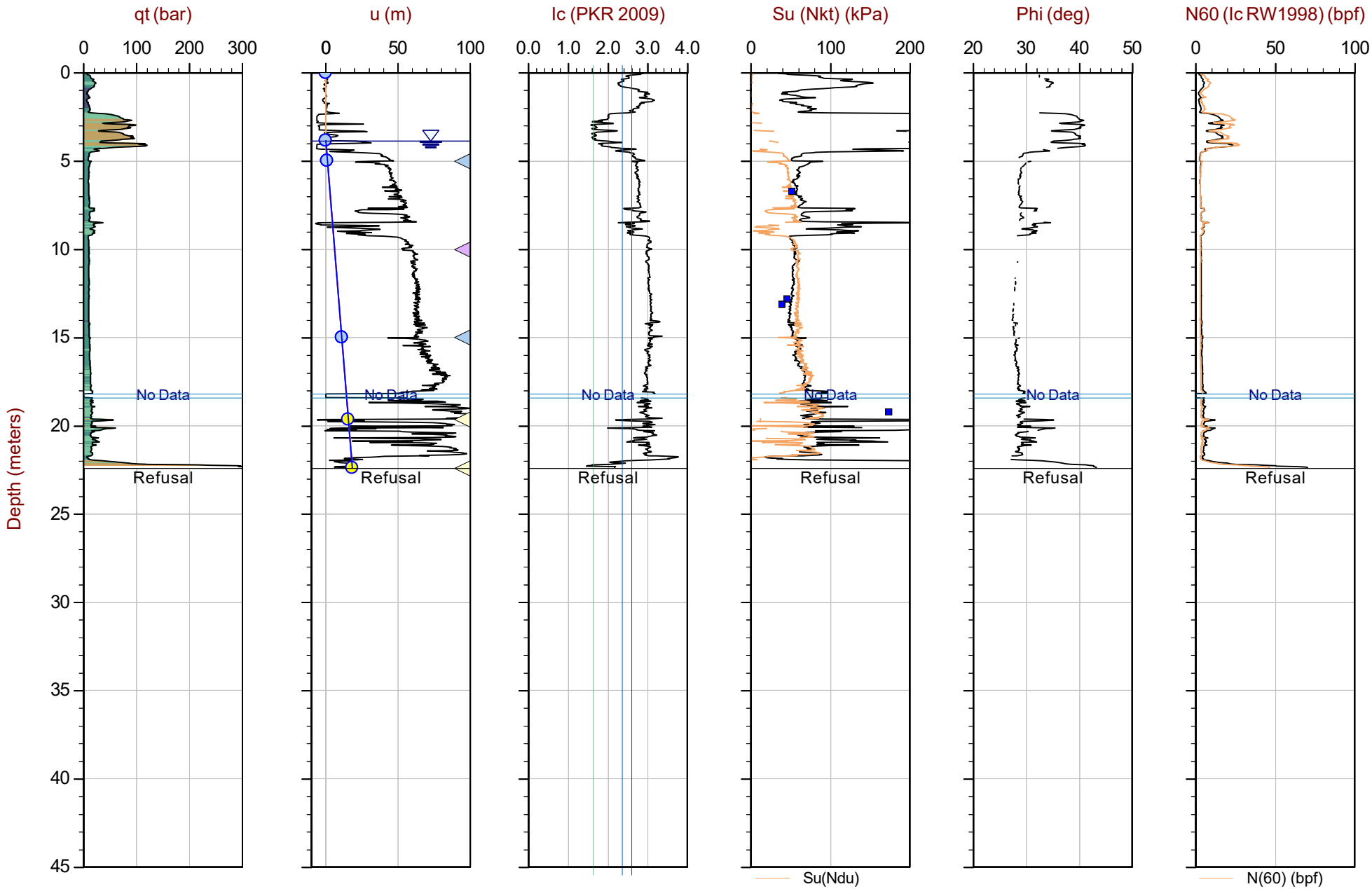
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-12 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35



Max Depth: 22.400 m / 73.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5411882m E: 472403m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

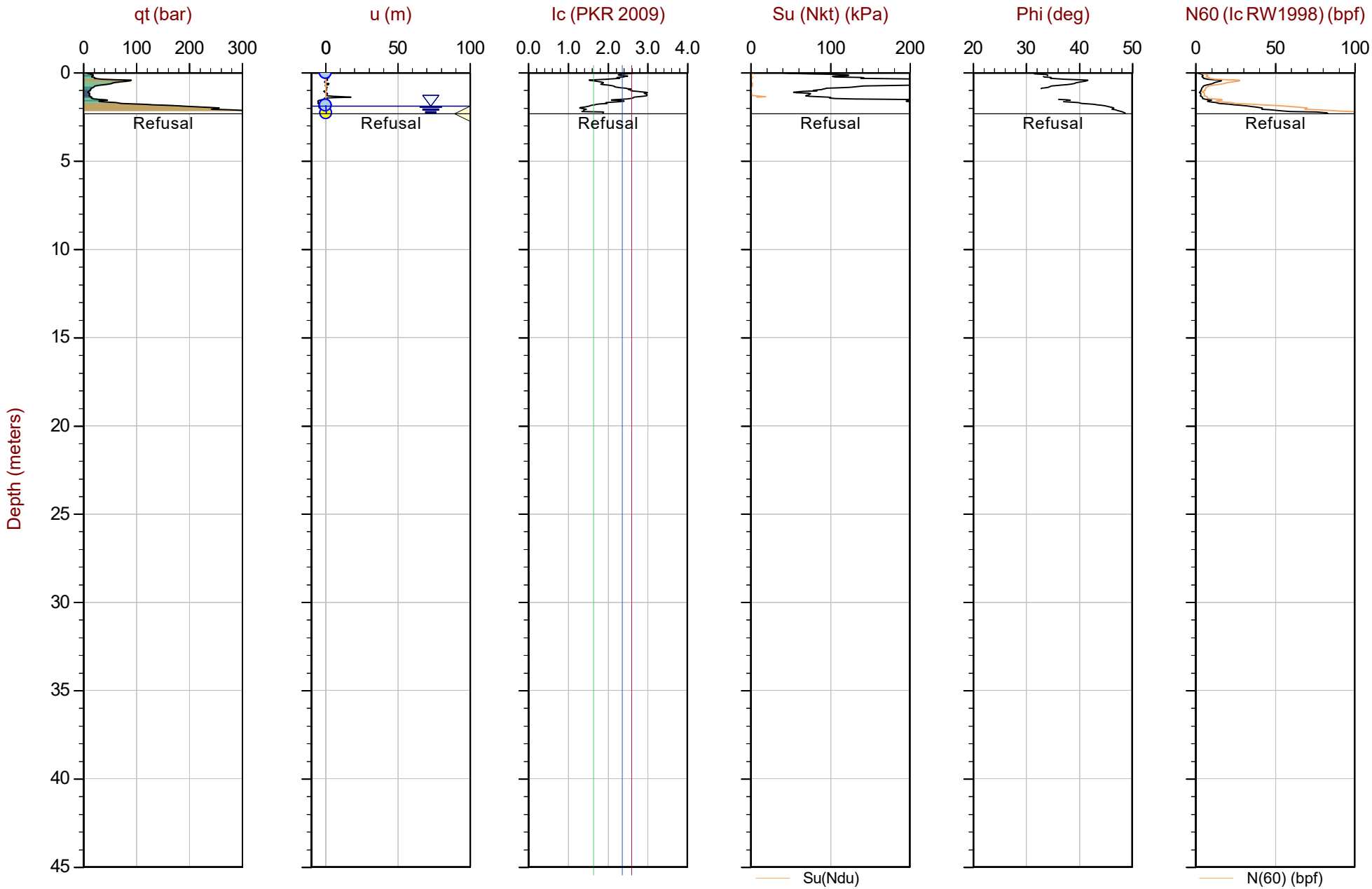
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-16 11:09
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07
Cone: 726:T1500F15U35



Max Depth: 2.300 m / 7.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR07.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5412700m E: 472324m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

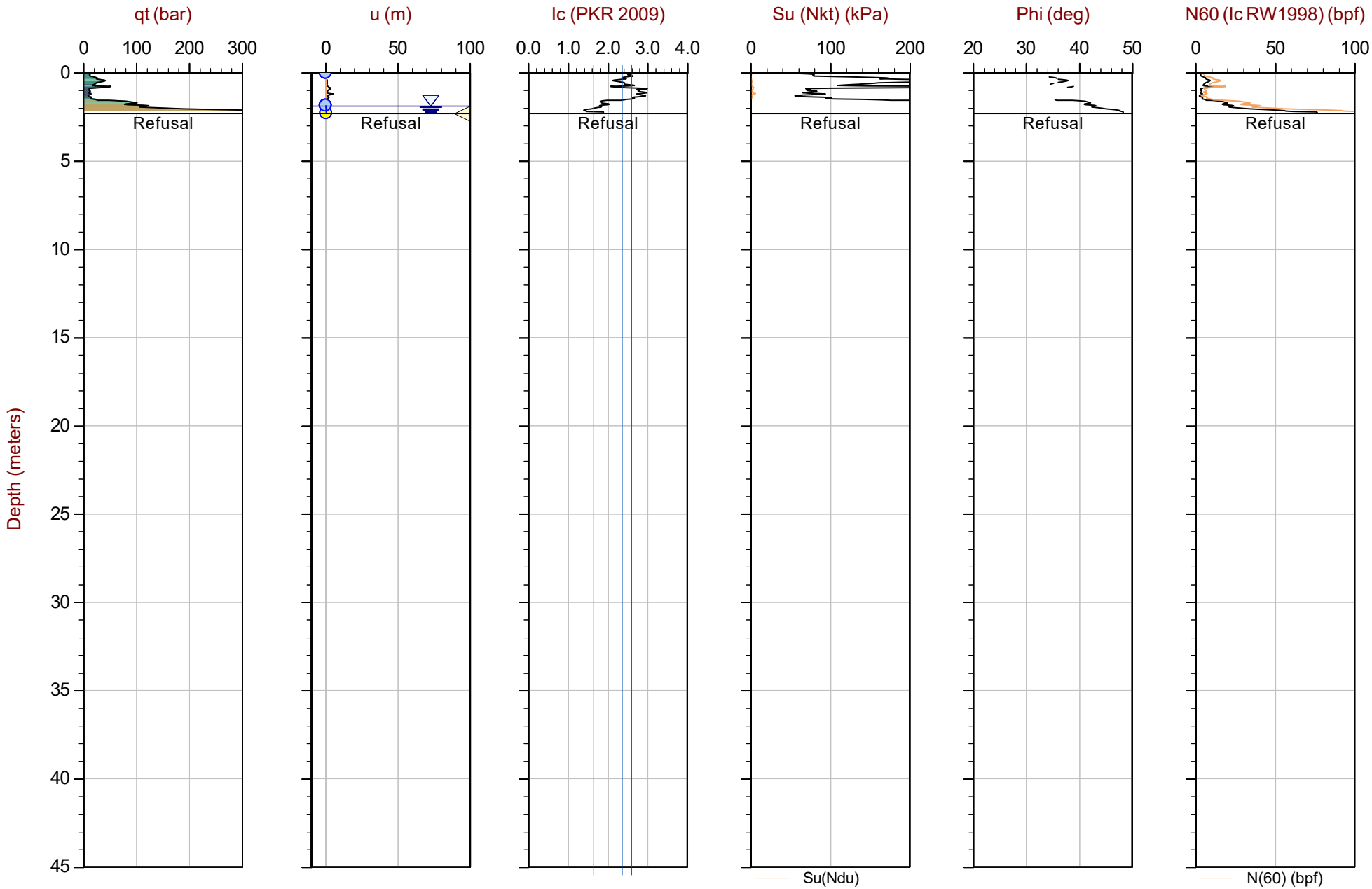
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-16 11:49
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07B
Cone: 726:T1500F15U35



Max Depth: 2.300 m / 7.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR07B.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412700m E: 472322m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

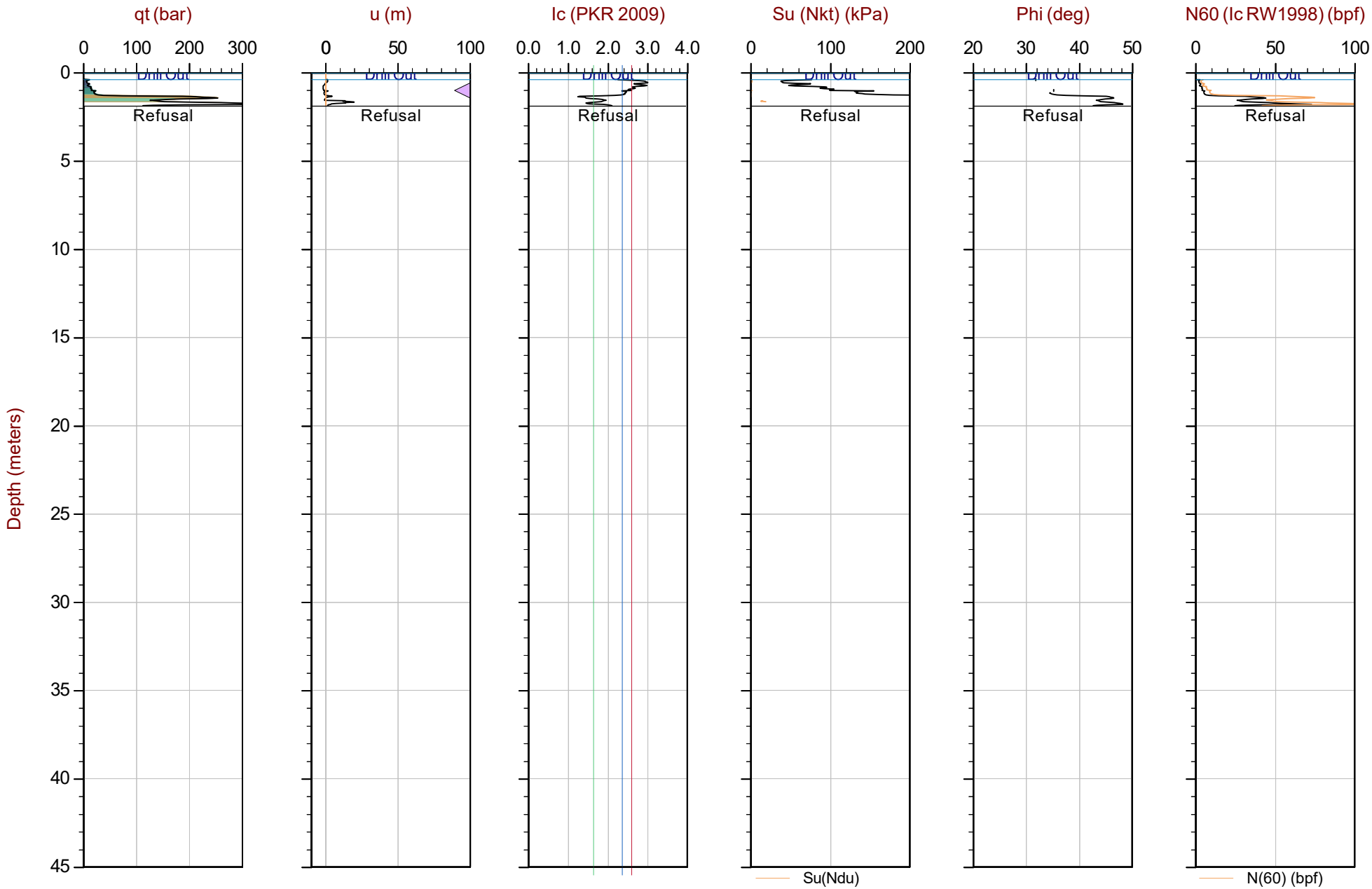
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 10:06
Site: Crawford Mine

Sounding: SRK-OP-CPT-01
Cone: 751:T1500F15U35



Max Depth: 1.875 m / 6.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410248m E: 473125m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

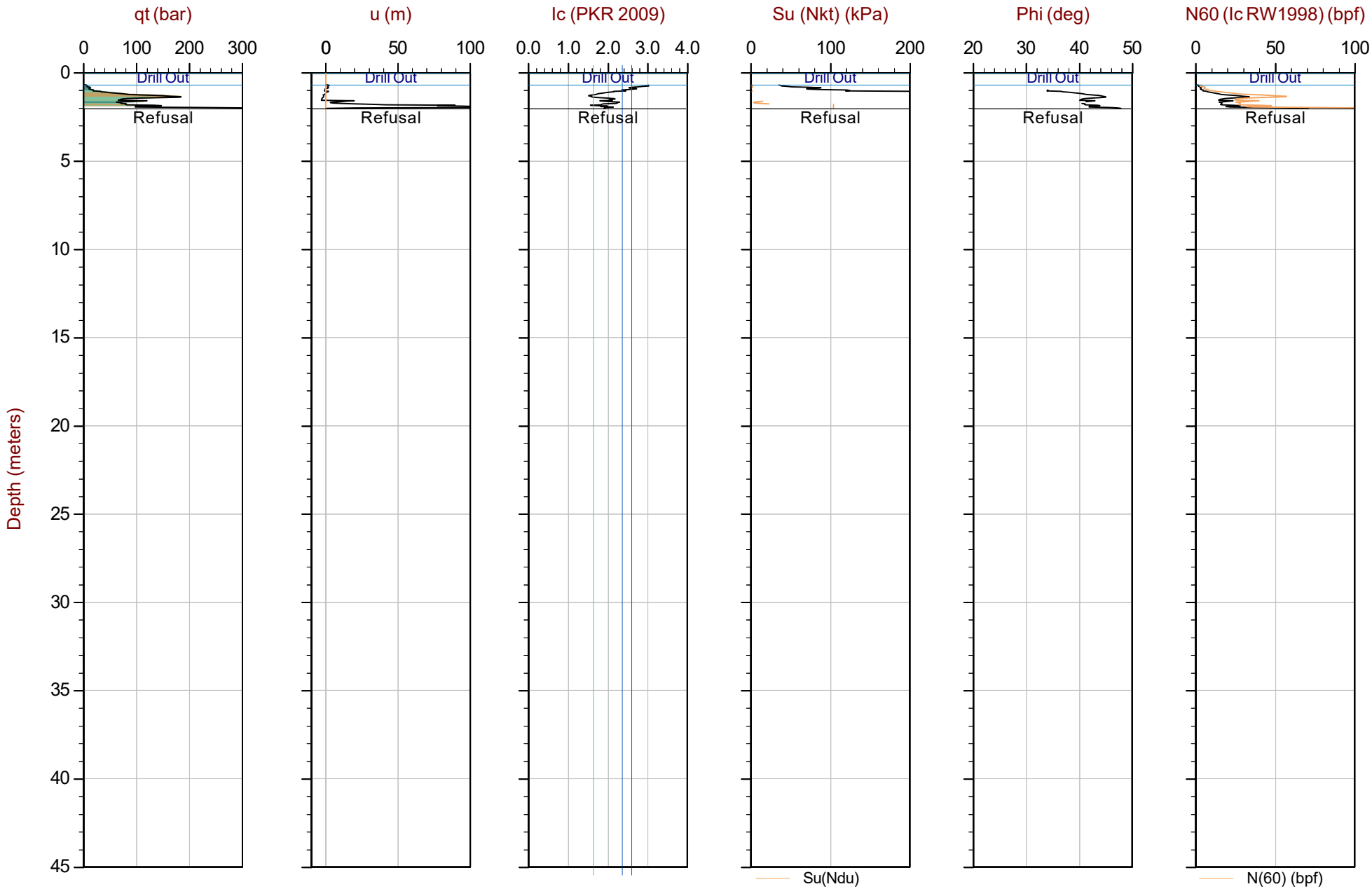
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 11:12
Site: Crawford Mine

Sounding: SRK-OP-CPT-01B
Cone: 751:T1500F15U35



Max Depth: 2.025 m / 6.64 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01B.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5410247m E: 473125m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

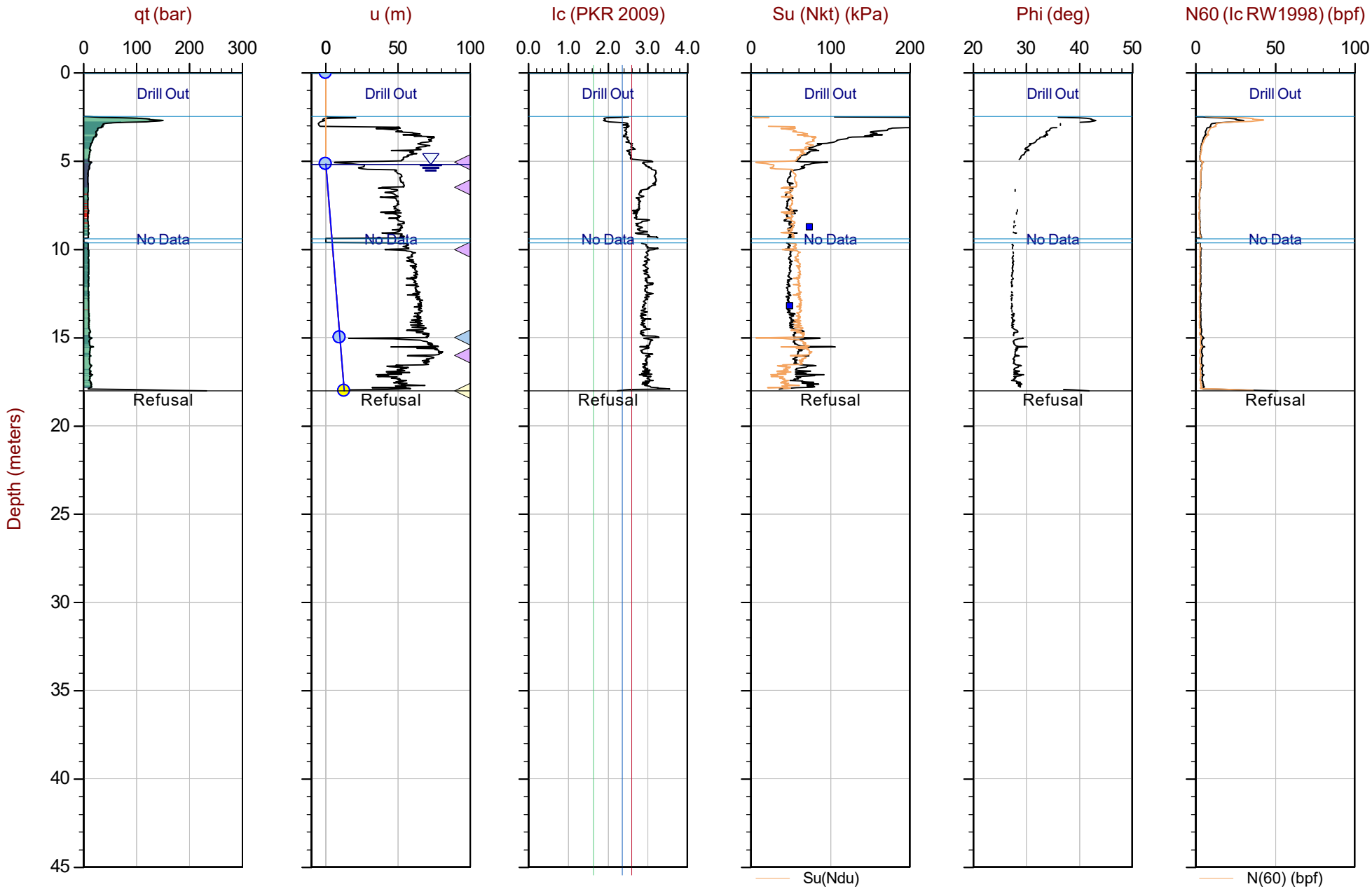
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35



Max Depth: 18.025 m / 59.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01C.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410248m E: 473124m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

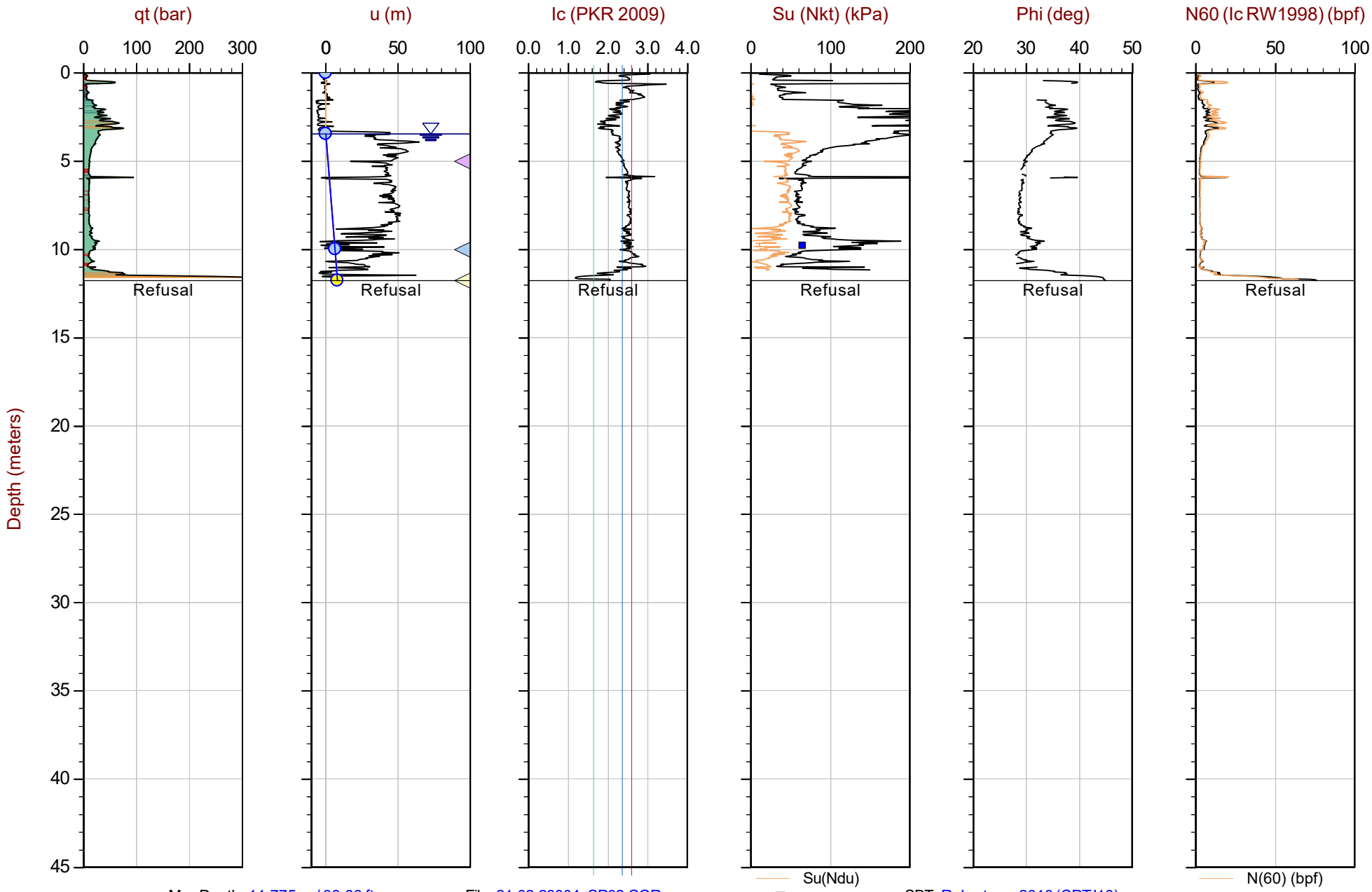
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-19 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35



Max Depth: 11.775 m / 38.63 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP02.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410196m E: 474519m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

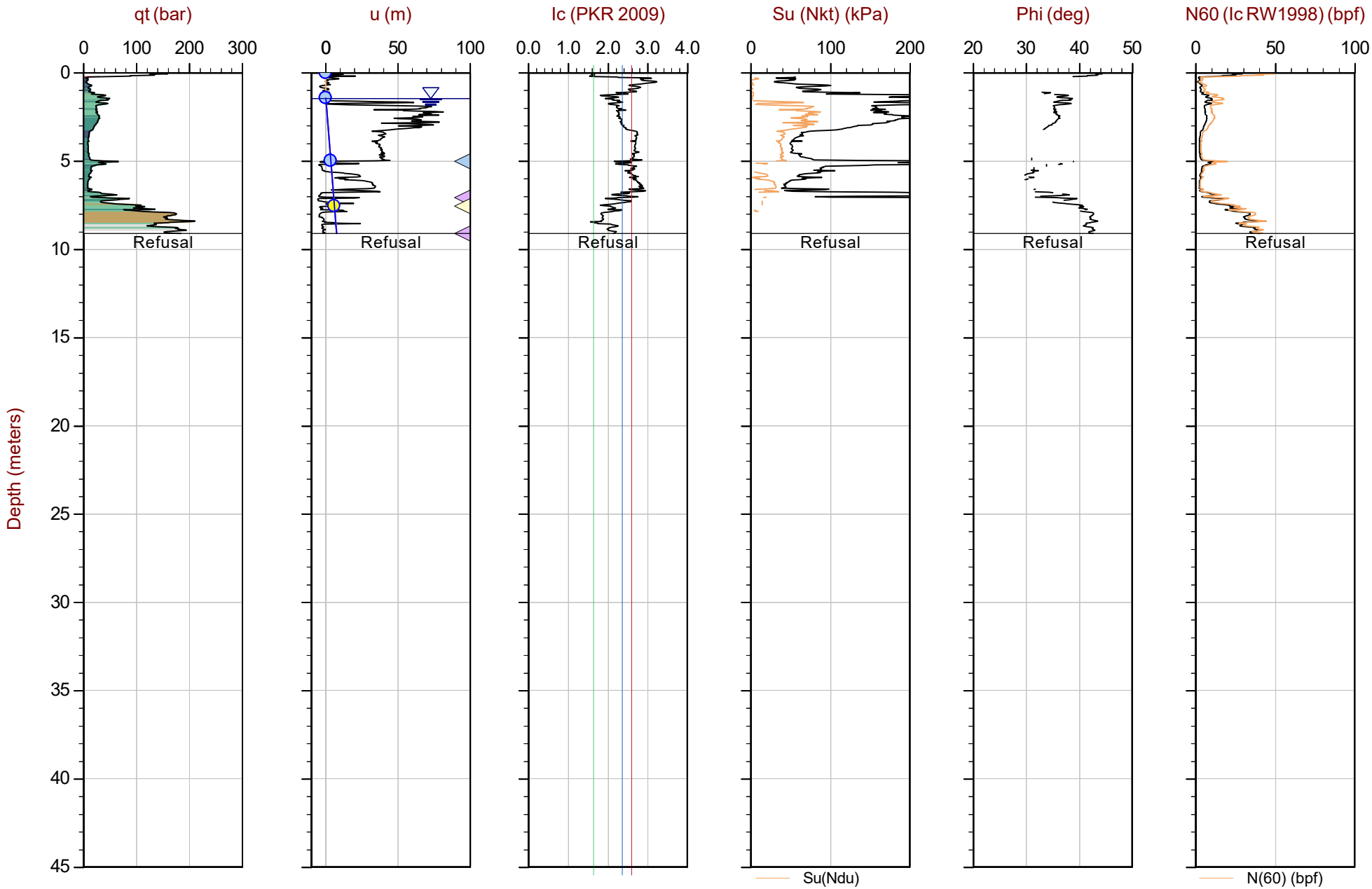
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-11 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35



Max Depth: 9.100 m / 29.86 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP03.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410296m E: 475143m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

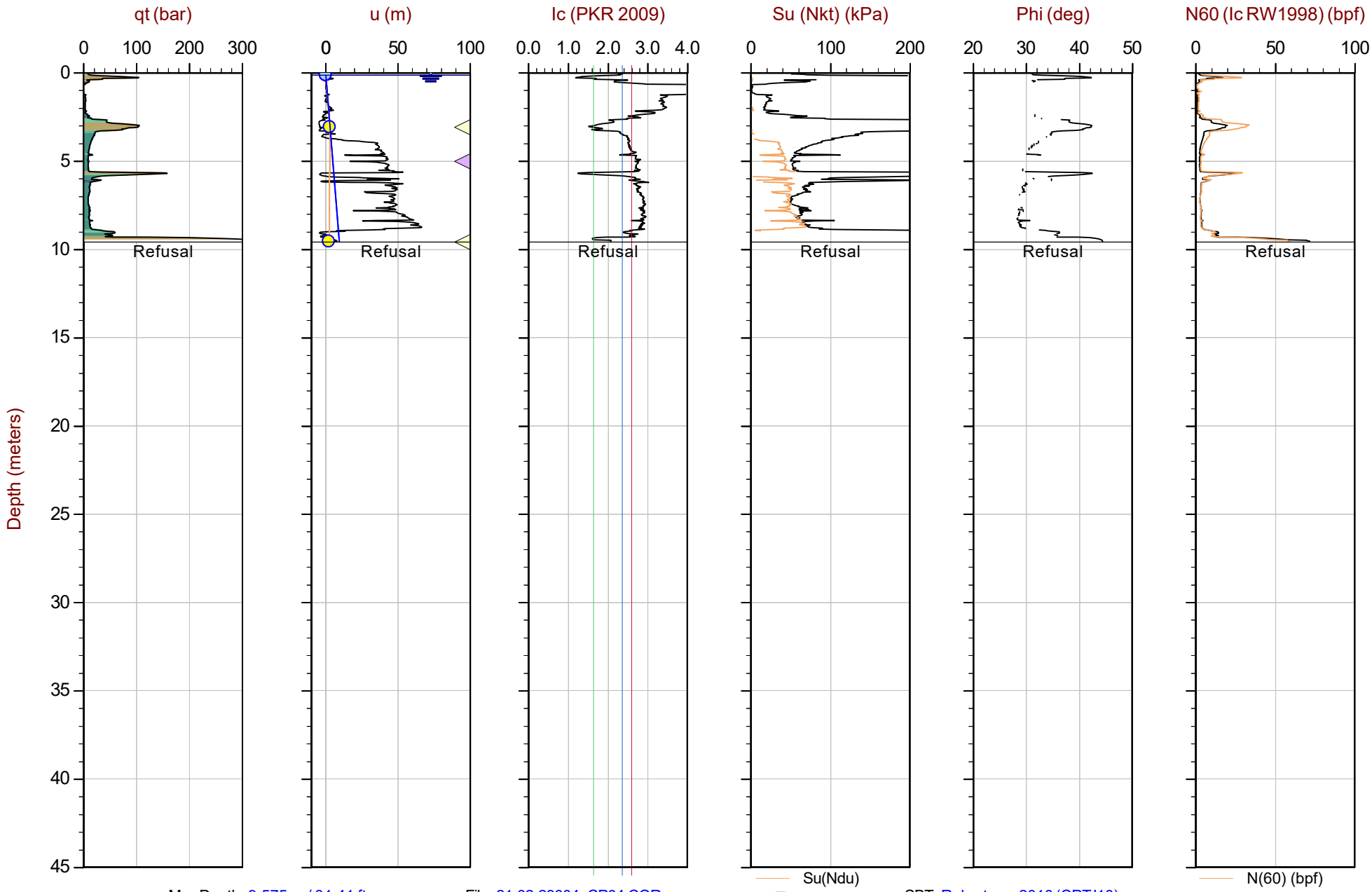
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-15 09:45
Site: Crawford Mine

Sounding: SRK-OP-CPT-04
Cone: 726:T1500F15U35



Max Depth: 9.575 m / 31.41 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP04.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409303m E: 474418m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

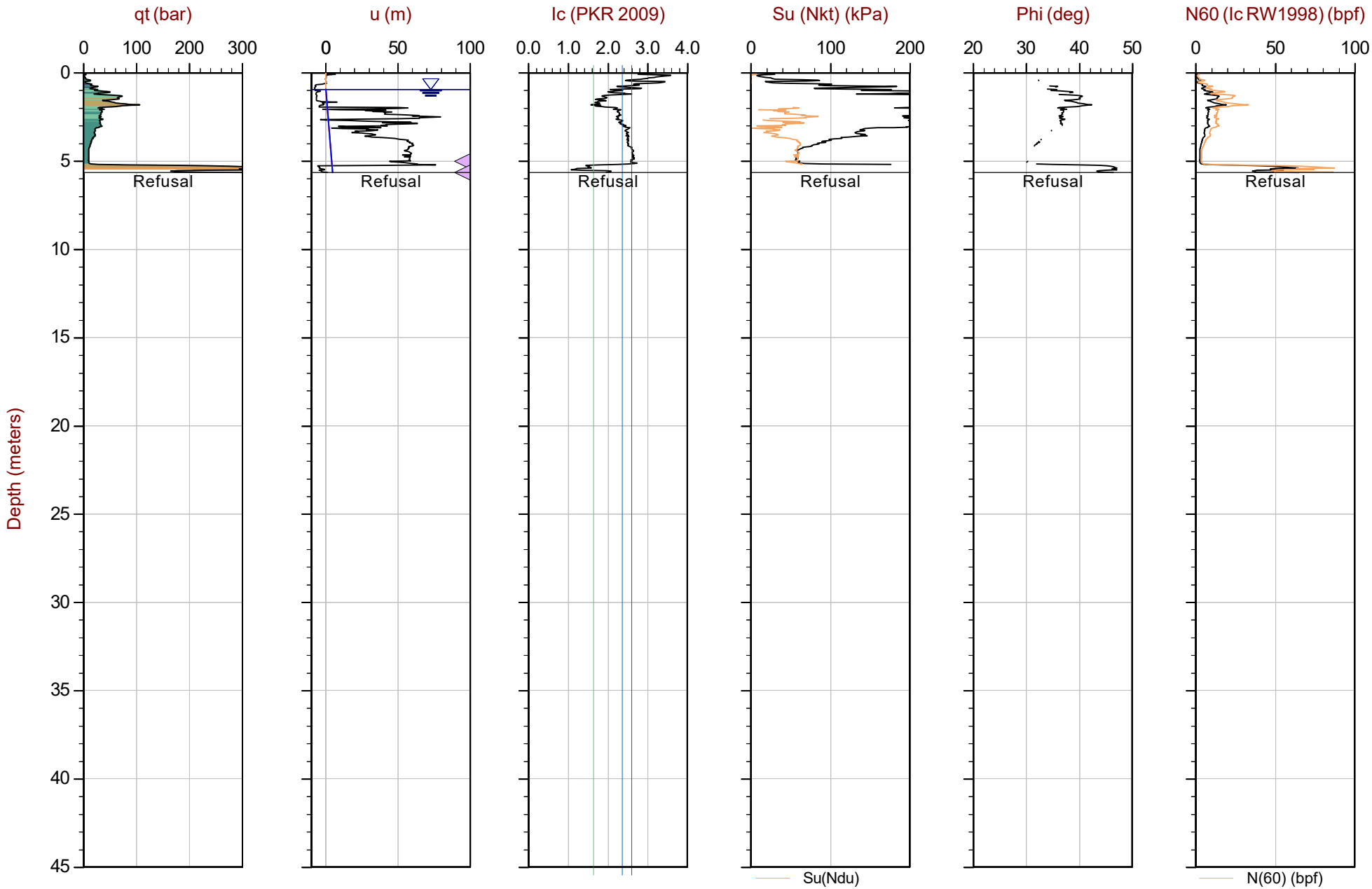
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-13 06:17
Site: Crawford Mine

Sounding: SRK-OP-CPT-05
Cone: 726:T1500F15U35



Max Depth: 5.650 m / 18.54 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP05.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408407m E: 474640m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

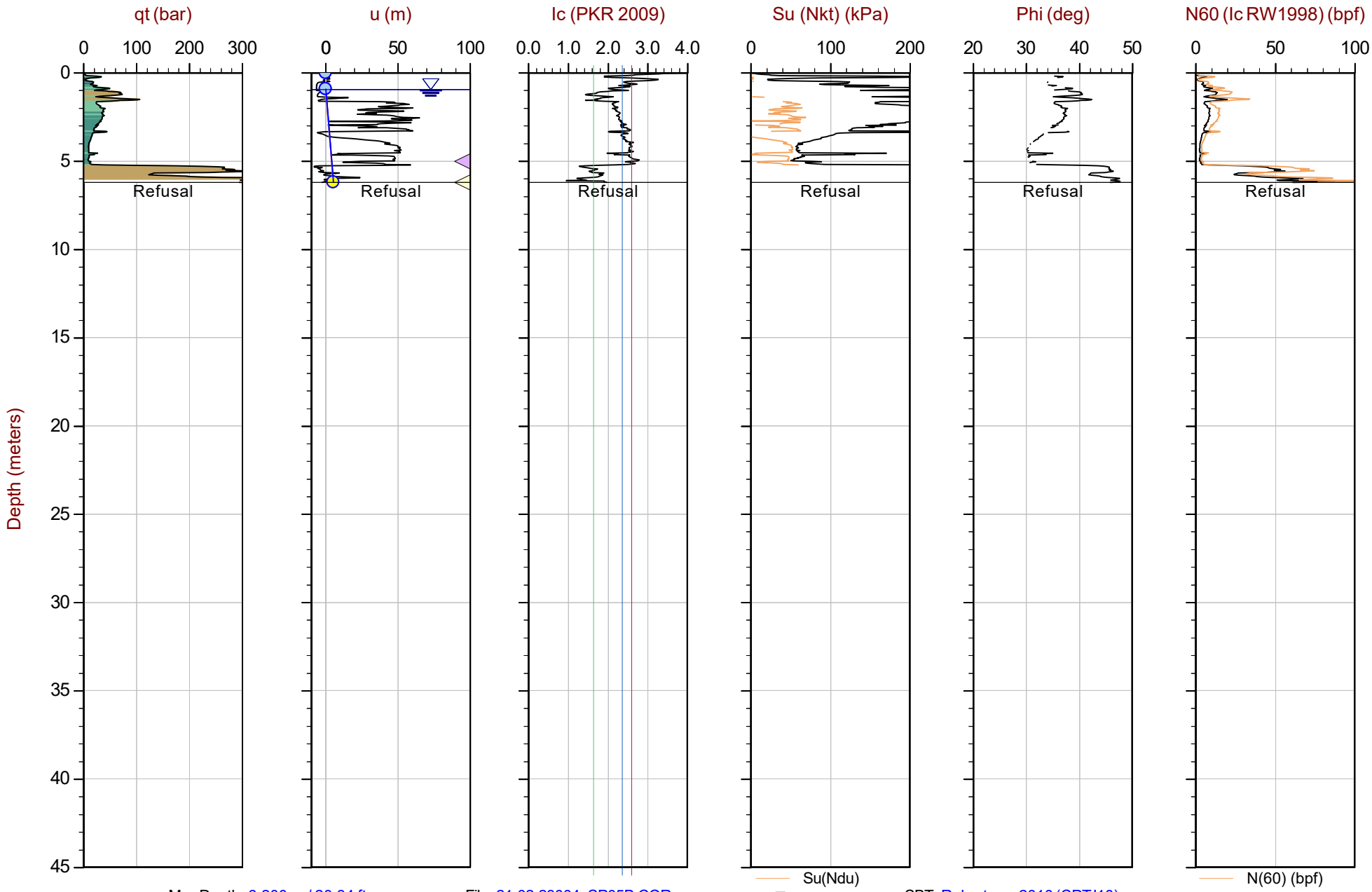
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-13 09:53
Site: Crawford Mine

Sounding: SRK-OP-CPT-05B
Cone: 726:T1500F15U35



Max Depth: 6.200 m / 20.34 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP05B.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408406m E: 474640m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

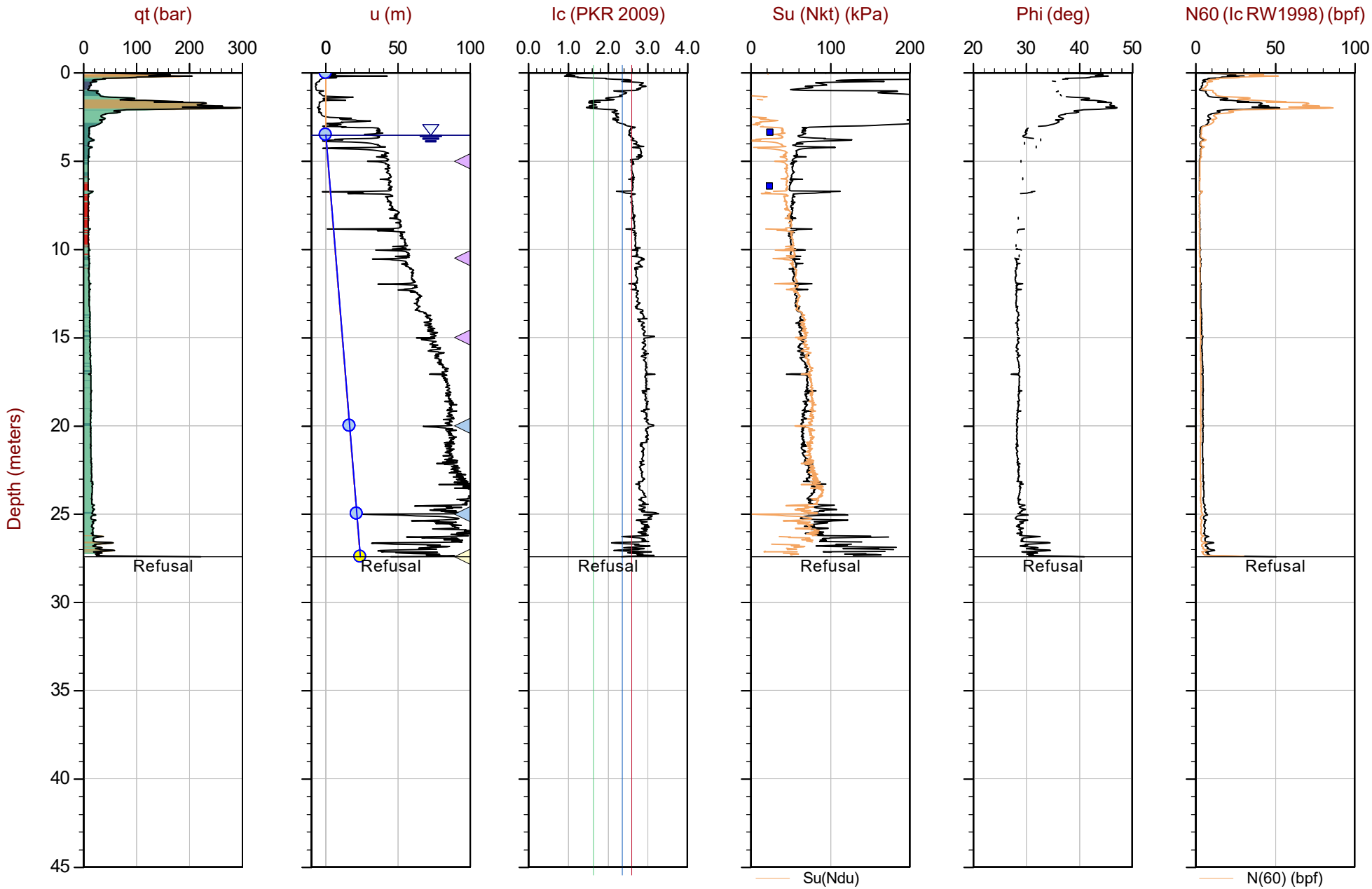
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-07 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35



Max Depth: 27.425 m / 89.98 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP06.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407893m E: 474048m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

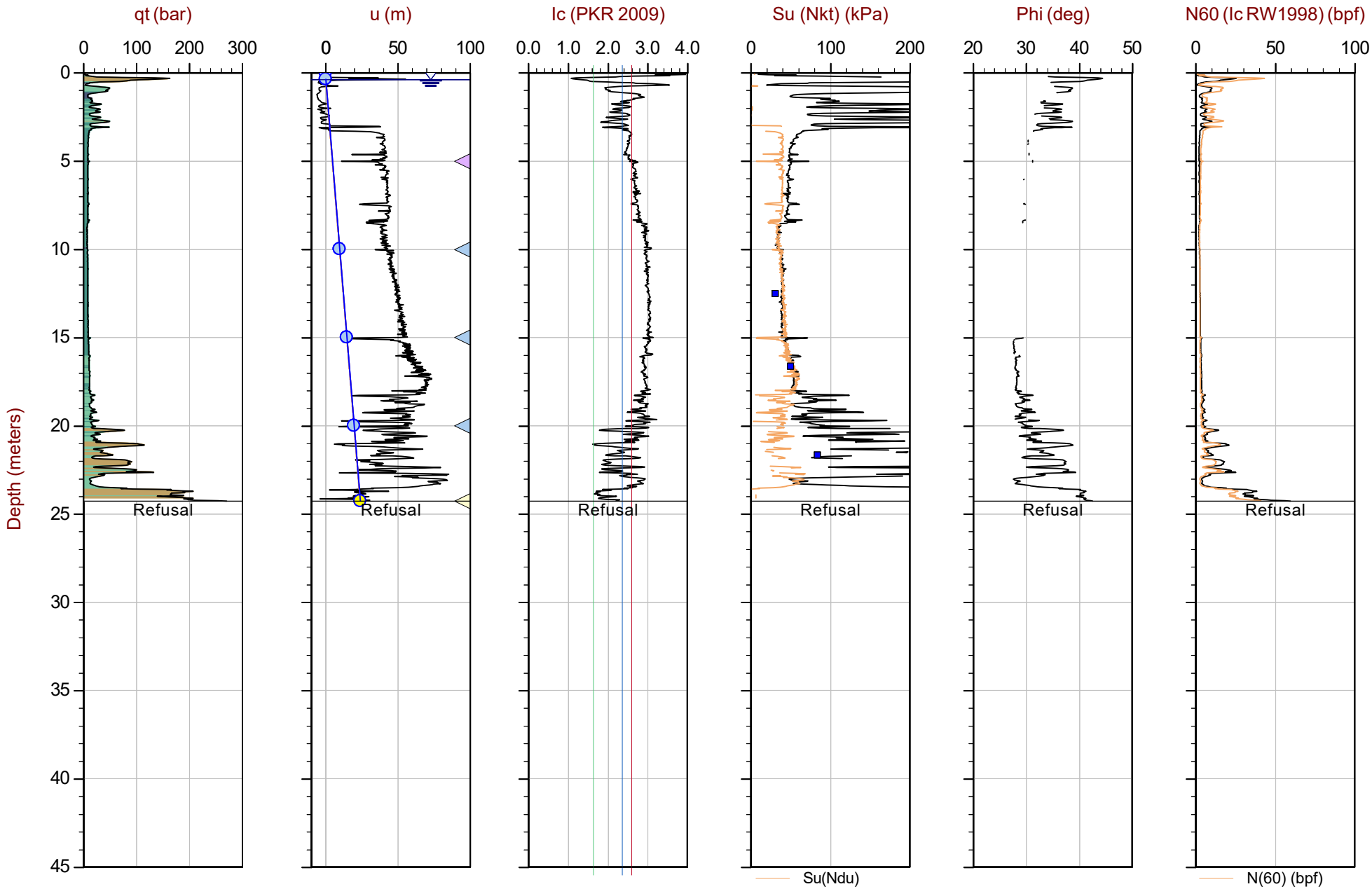
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-23 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35



Max Depth: 24.275 m / 79.64 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP08.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408030m E: 472336m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

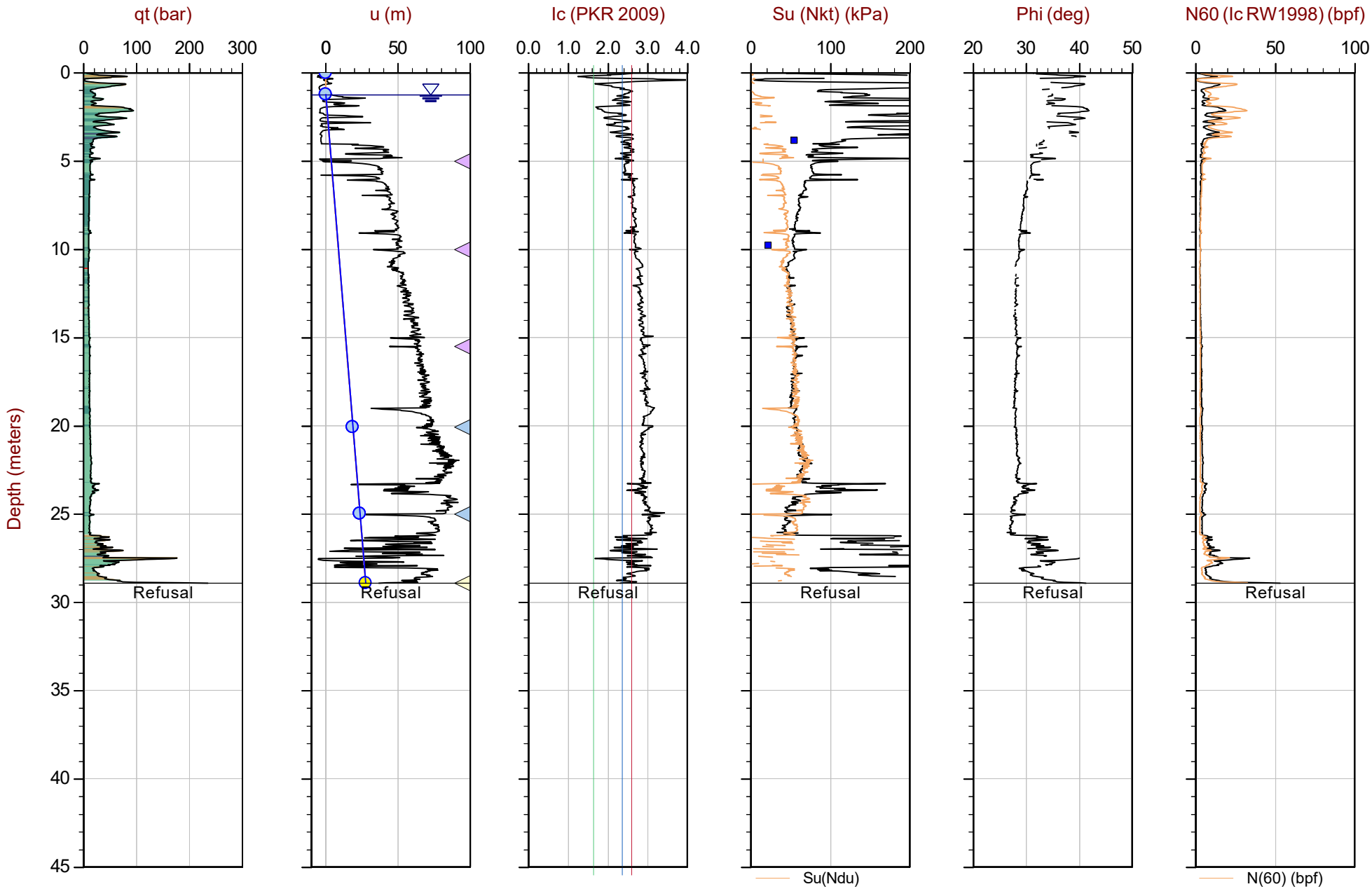
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-18 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35



Max Depth: 28.925 m / 94.90 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP09.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409526m E: 472192m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

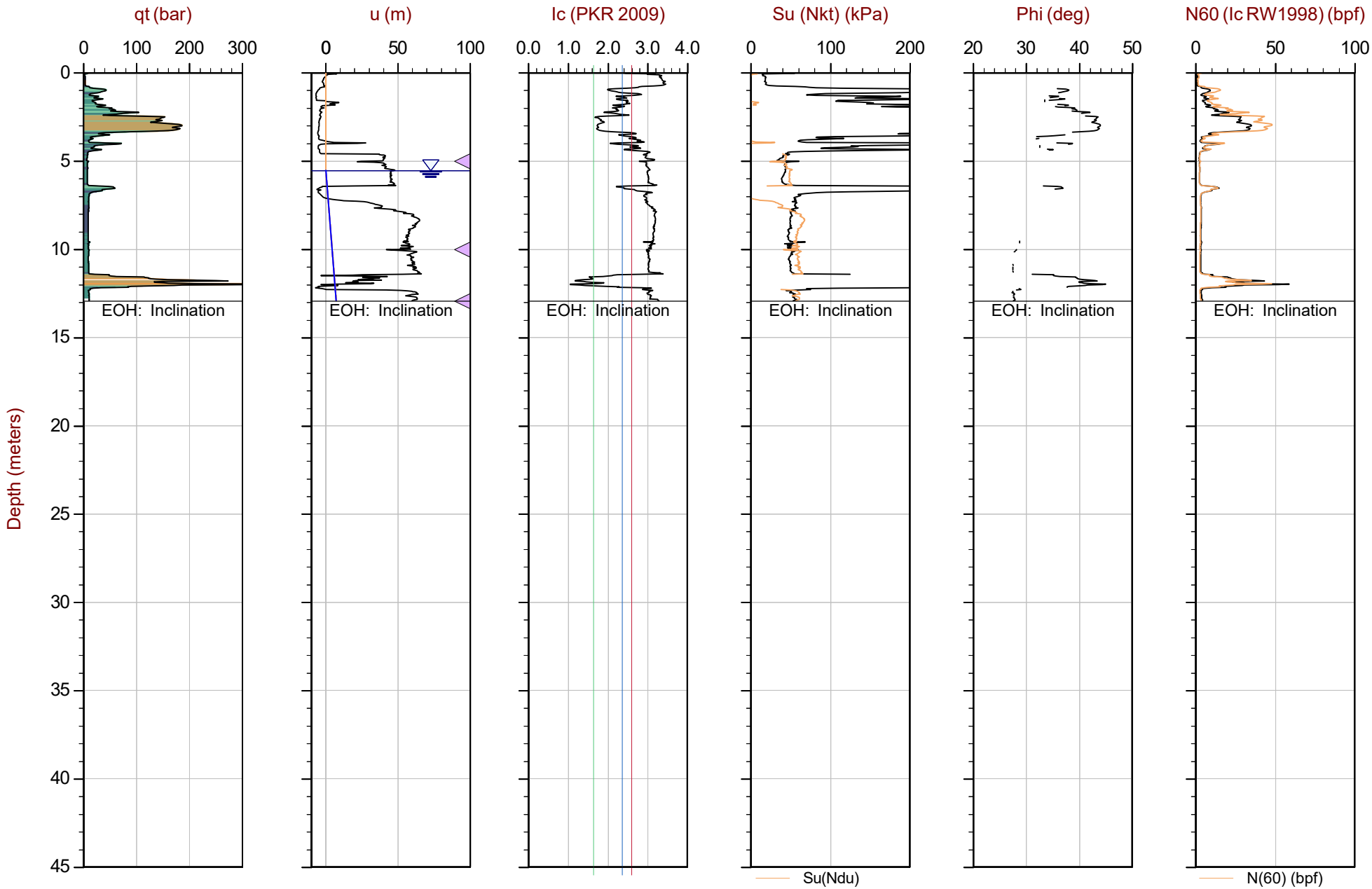
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-10 09:19
Site: Crawford Mine

Sounding: SRK-OP-CPT-10
Cone: 726:T1500F15U35



Max Depth: 12.925 m / 42.40 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP10.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408842m E: 473666m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

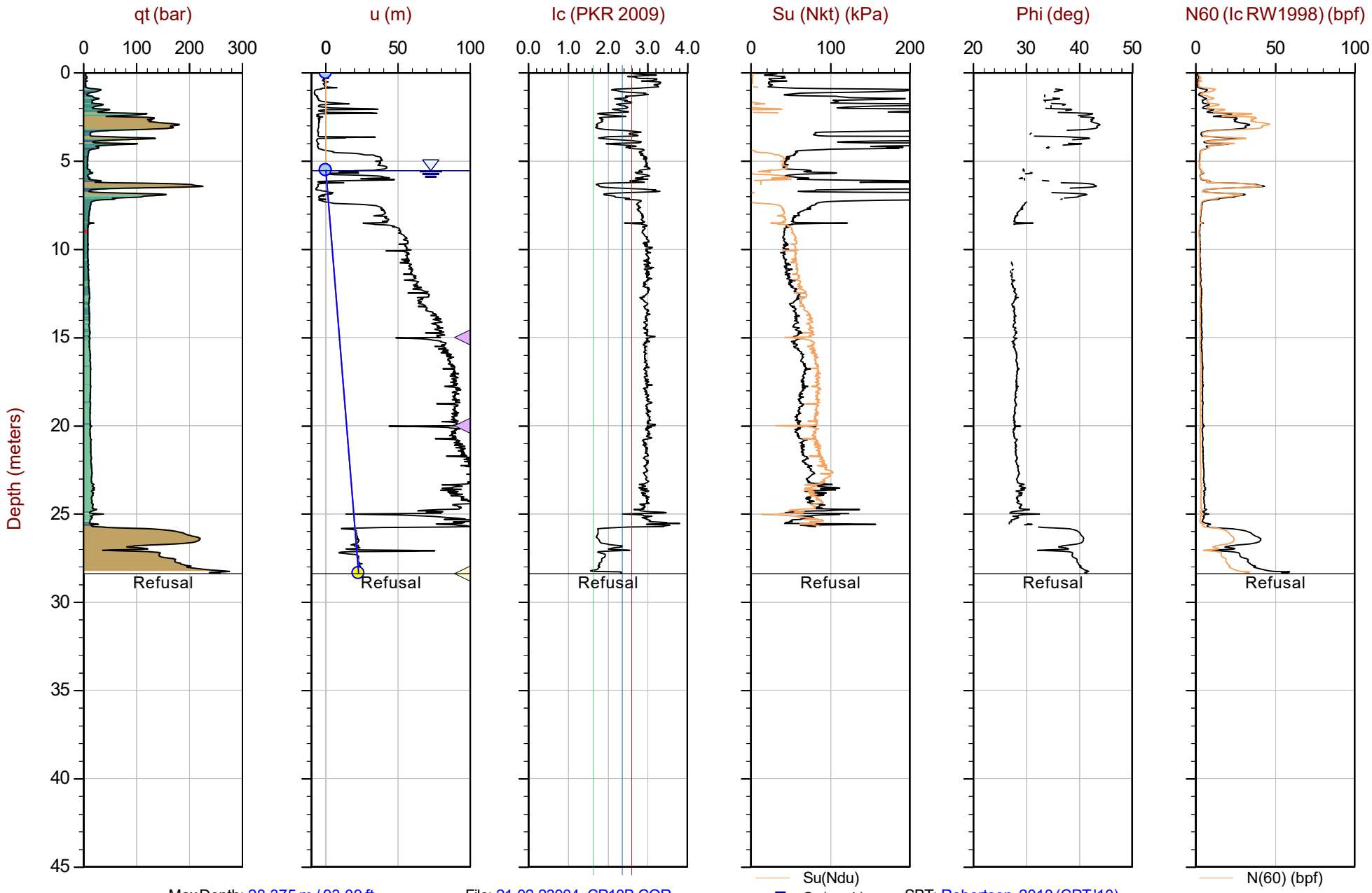
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-10 13:52
Site: Crawford Mine

Sounding: SRK-OP-CPT-10B
Cone: 726:T1500F15U35



Max Depth: 28.375 m / 93.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP10B.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408841m E: 473666m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

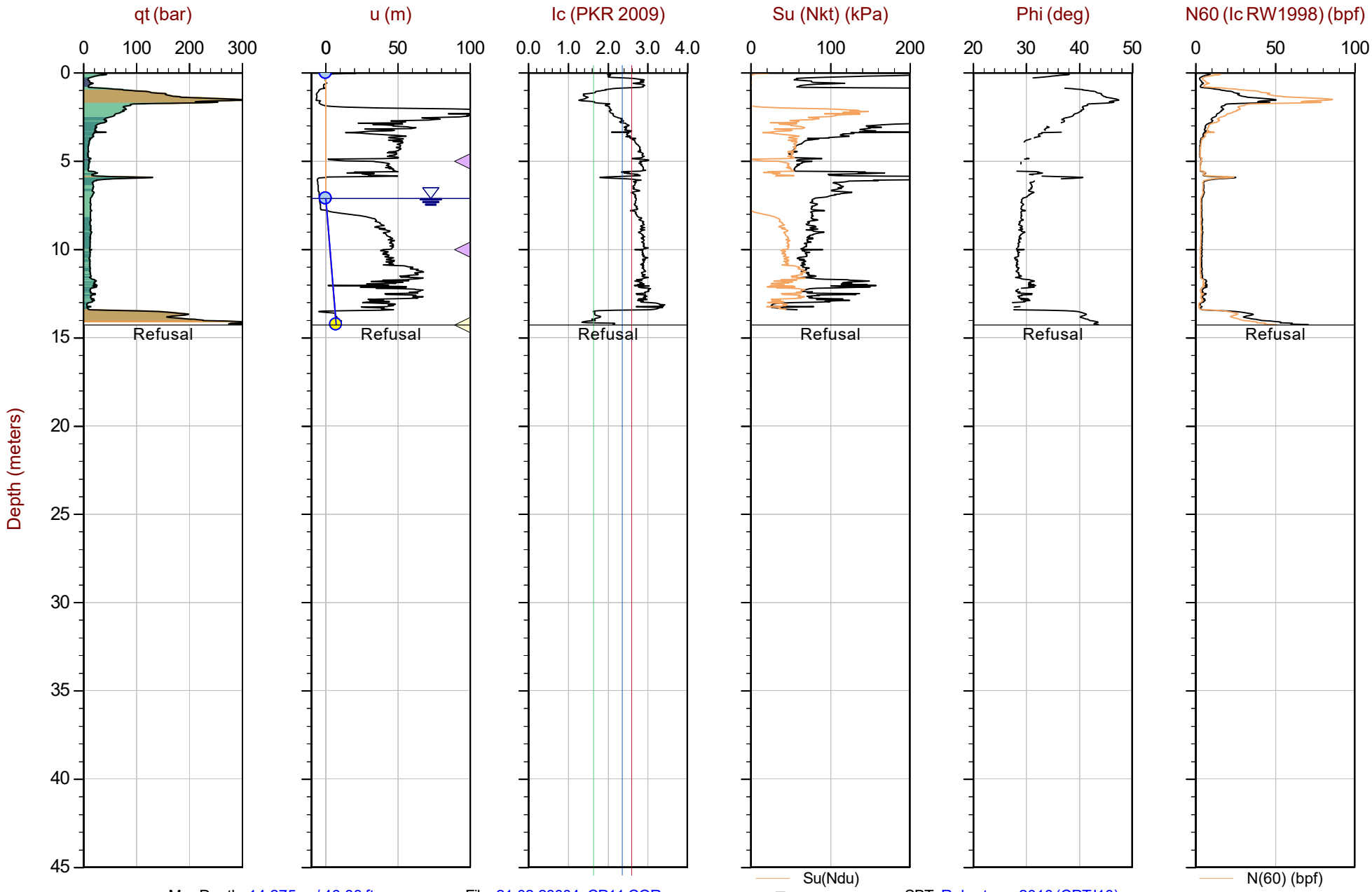
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-08 07:03
Site: Crawford Mine

Sounding: SRK-OP-CPT-11
Cone: 726:T1500F15U35



Max Depth: 14.275 m / 46.83 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP11.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409862m E: 473288m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

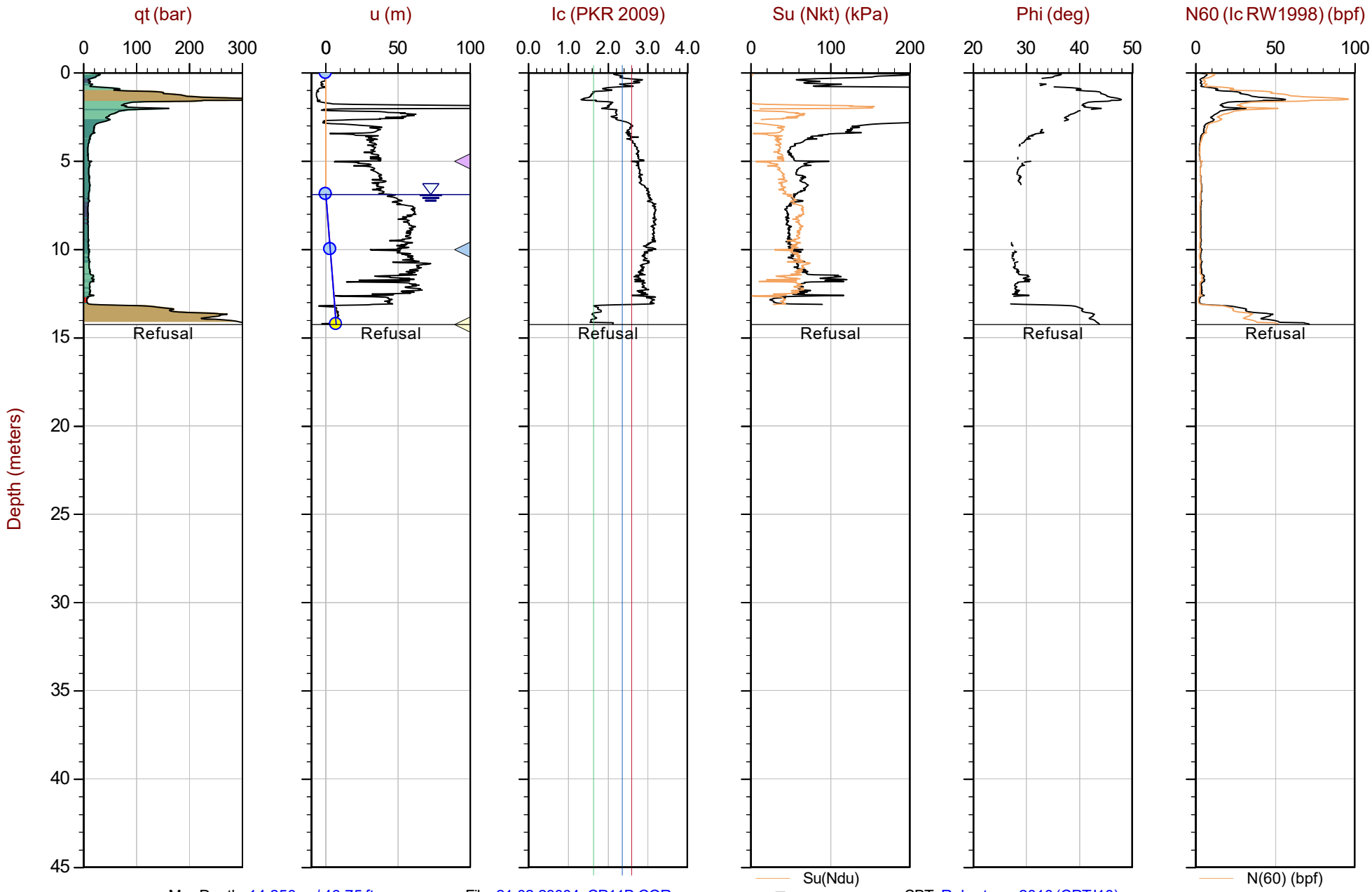
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-08 09:01
Site: Crawford Mine

Sounding: SRK-OP-CPT-11B
Cone: 726:T1500F15U35



Max Depth: 14.250 m / 46.75 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CP11B.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5409861m E: 473288m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

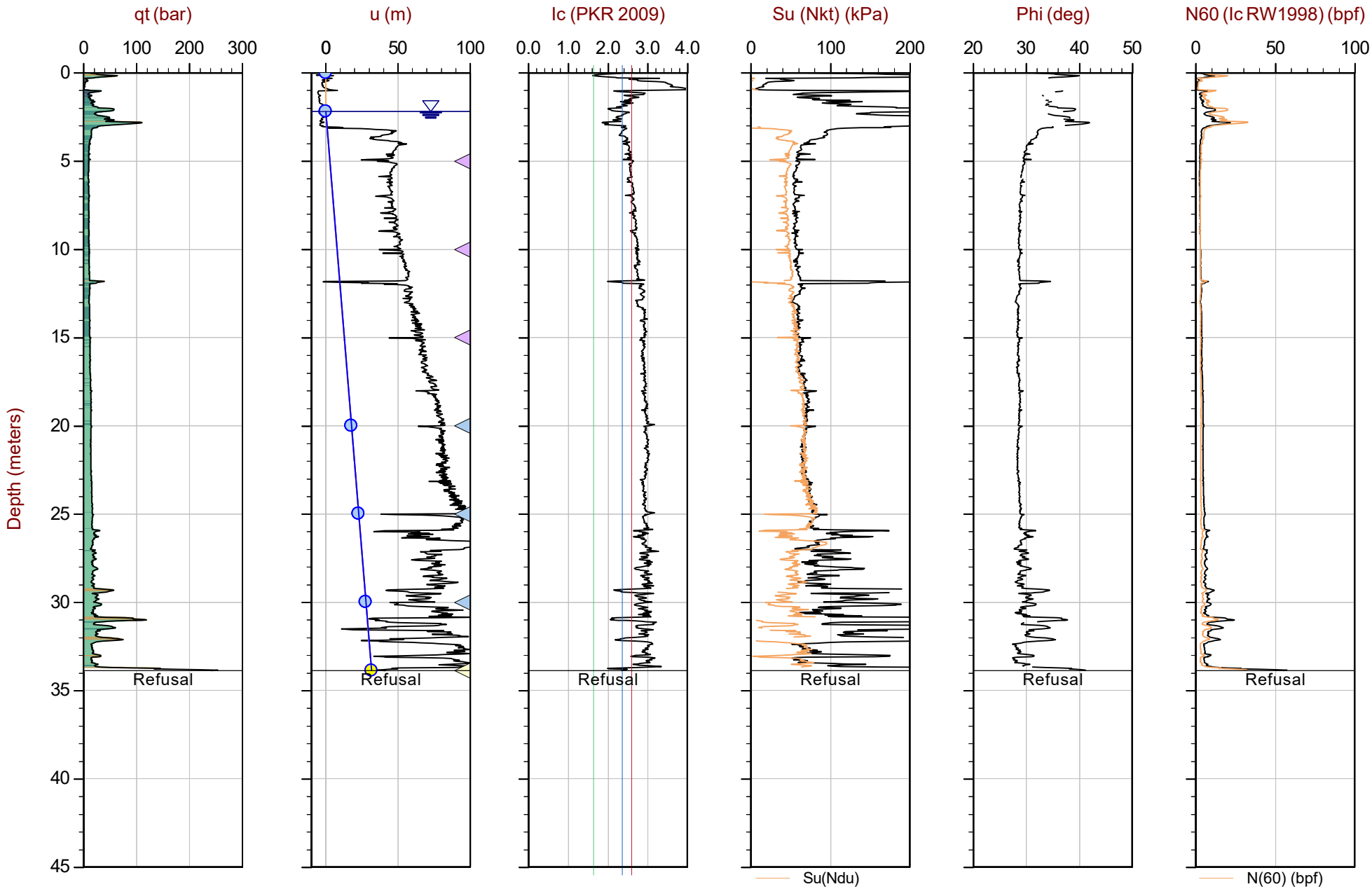
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-21 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35



Max Depth: 33.875 m / 111.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP12.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408932m E: 472473m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

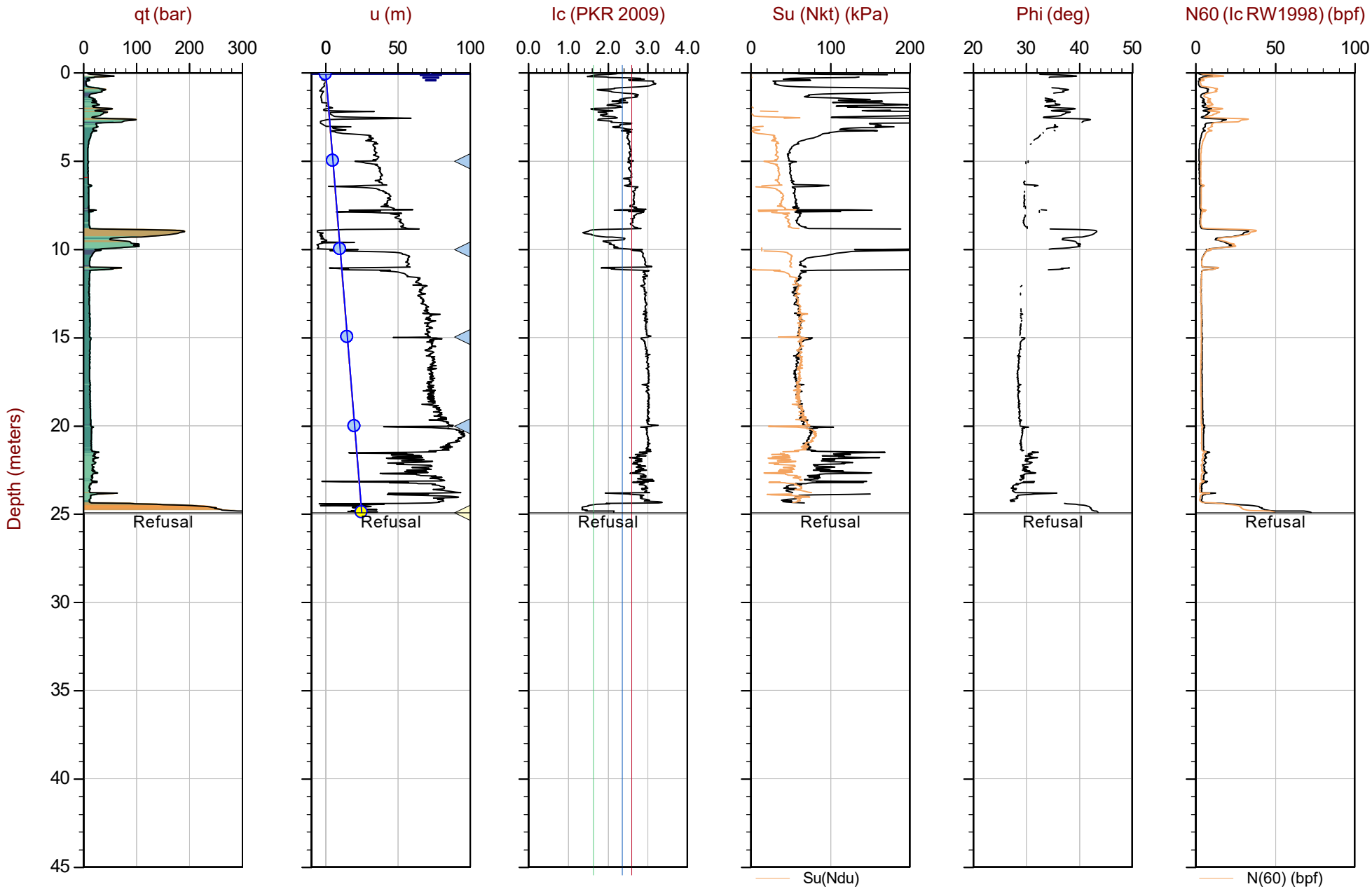
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-20 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35



Max Depth: 24.925 m / 81.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP16.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410337m E: 471939m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

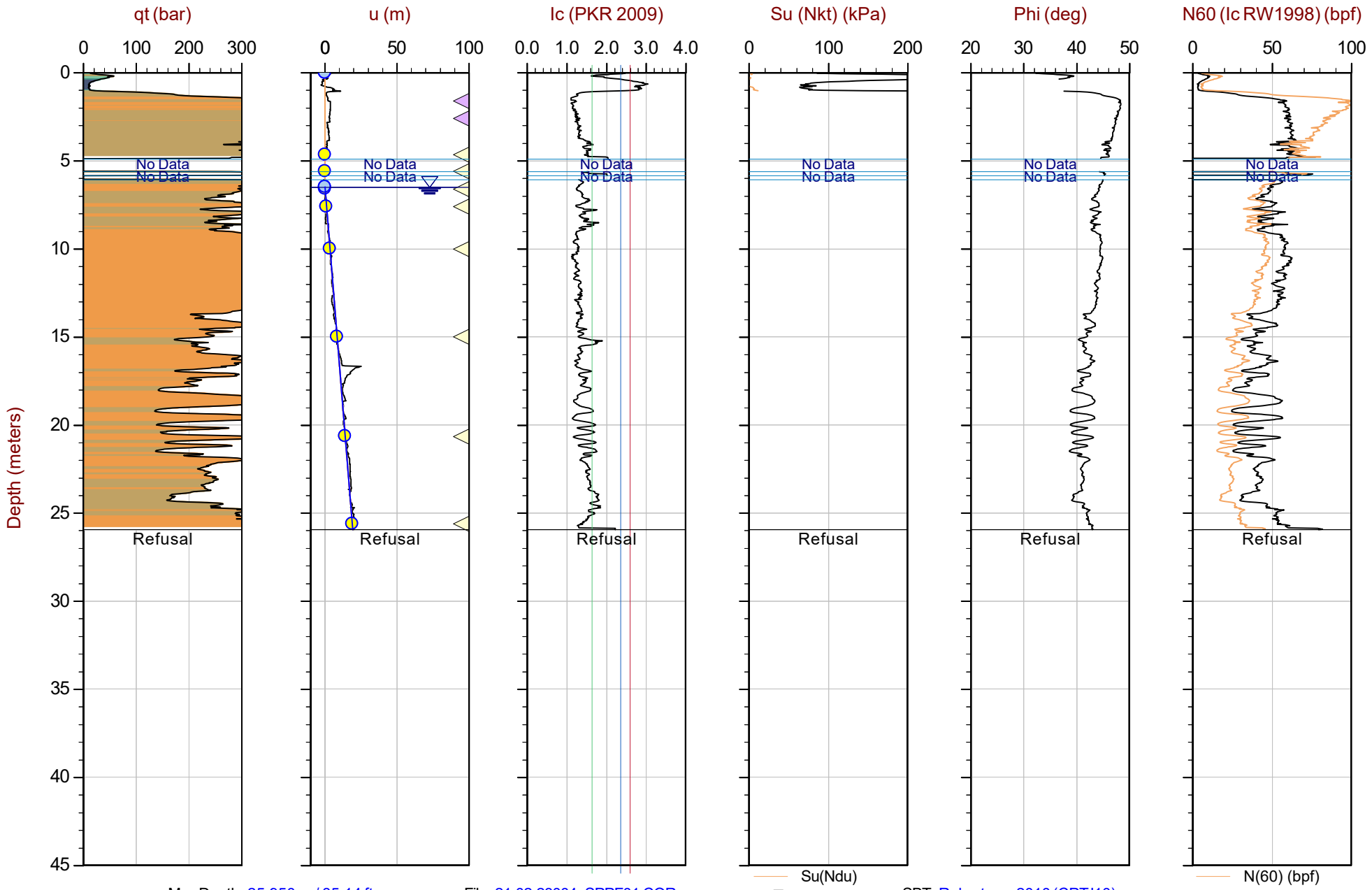
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-12 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35
728:T1500F15U35



Max Depth: 25.950 m / 85.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408142m E: 470434m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

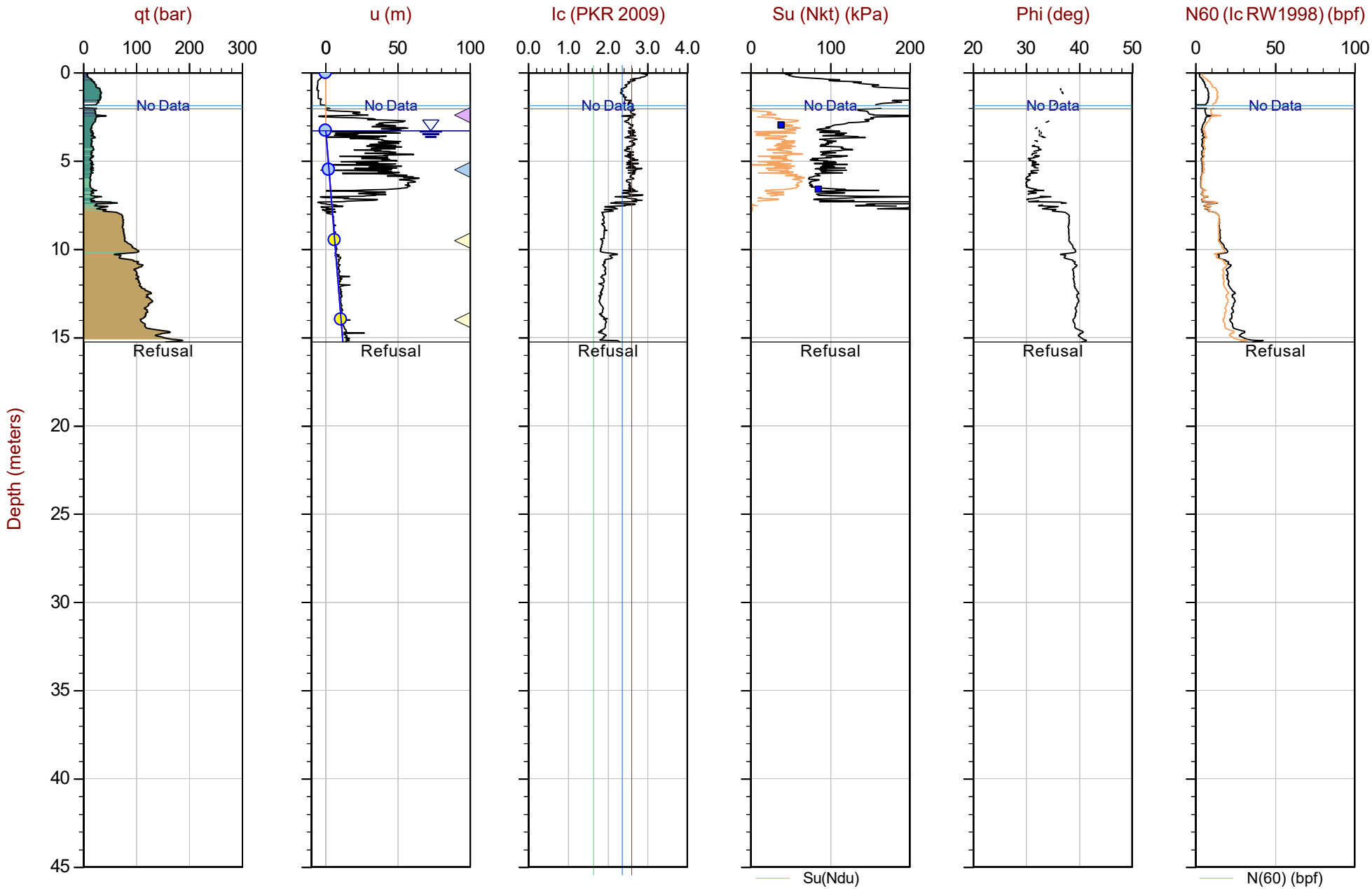
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-15 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35



Max Depth: 15.250 m / 50.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF02.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407776m E: 470629m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

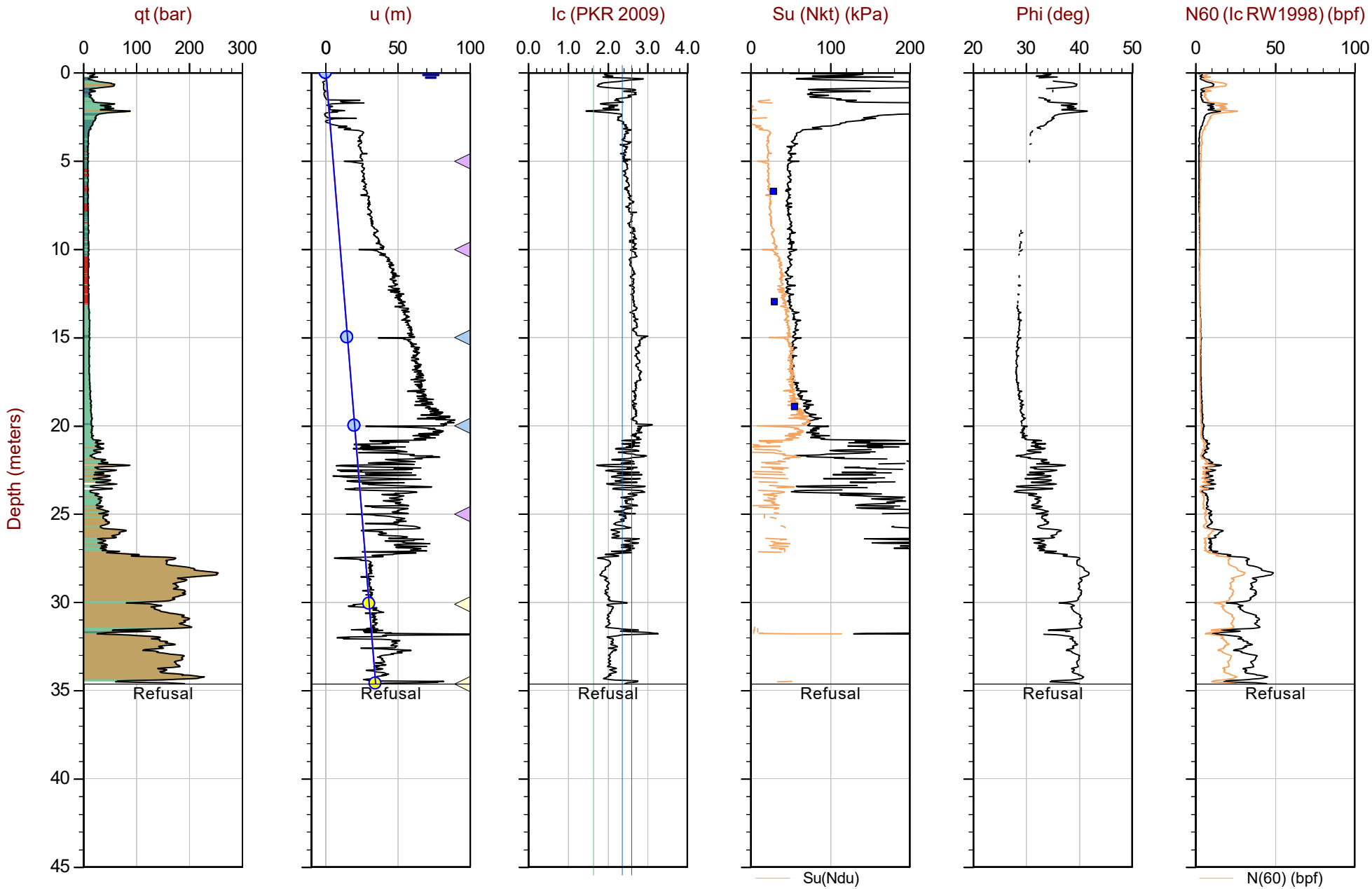
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-04 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35



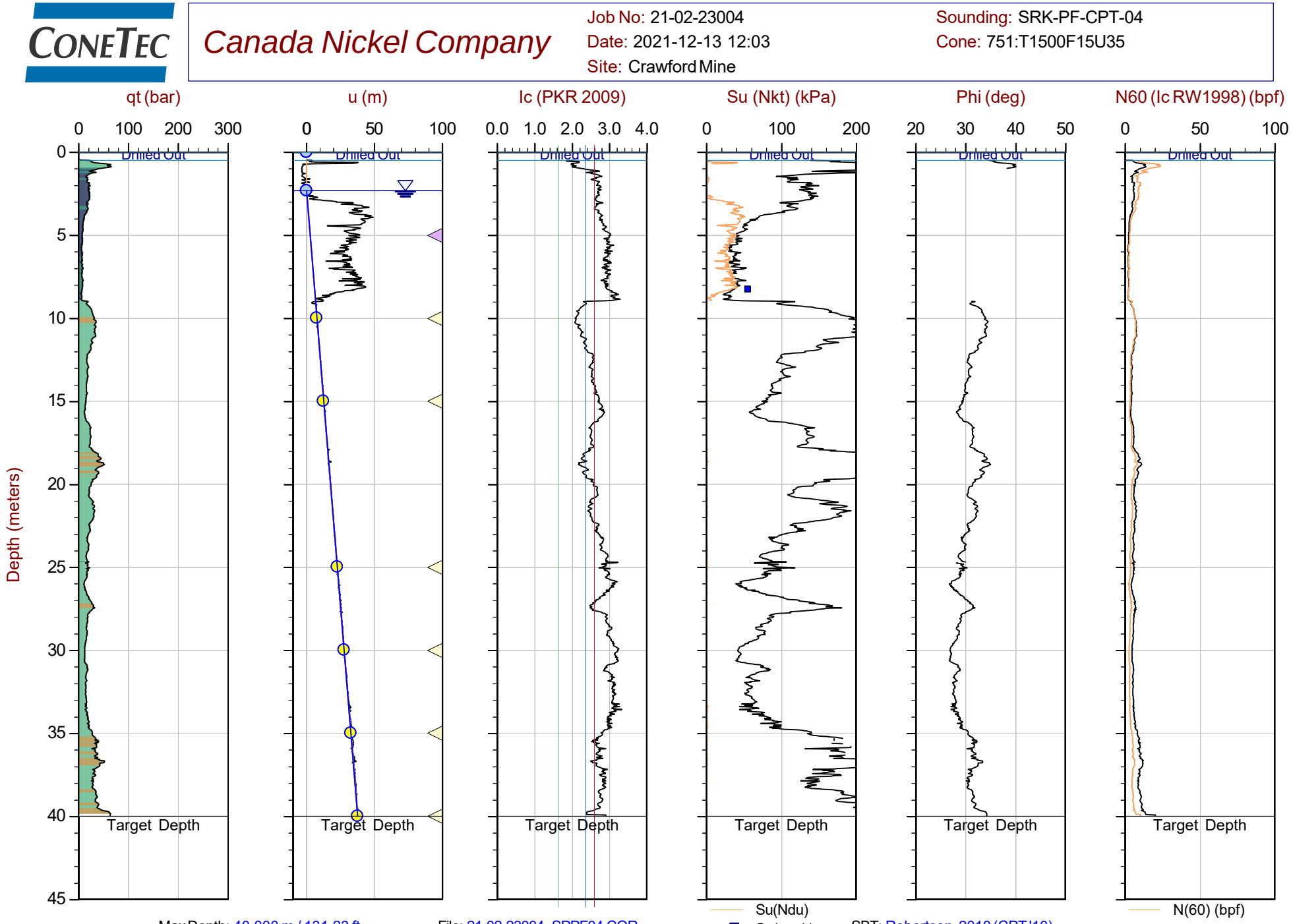
Max Depth: 34.625 m / 113.60 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF03.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409119m E: 470714m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

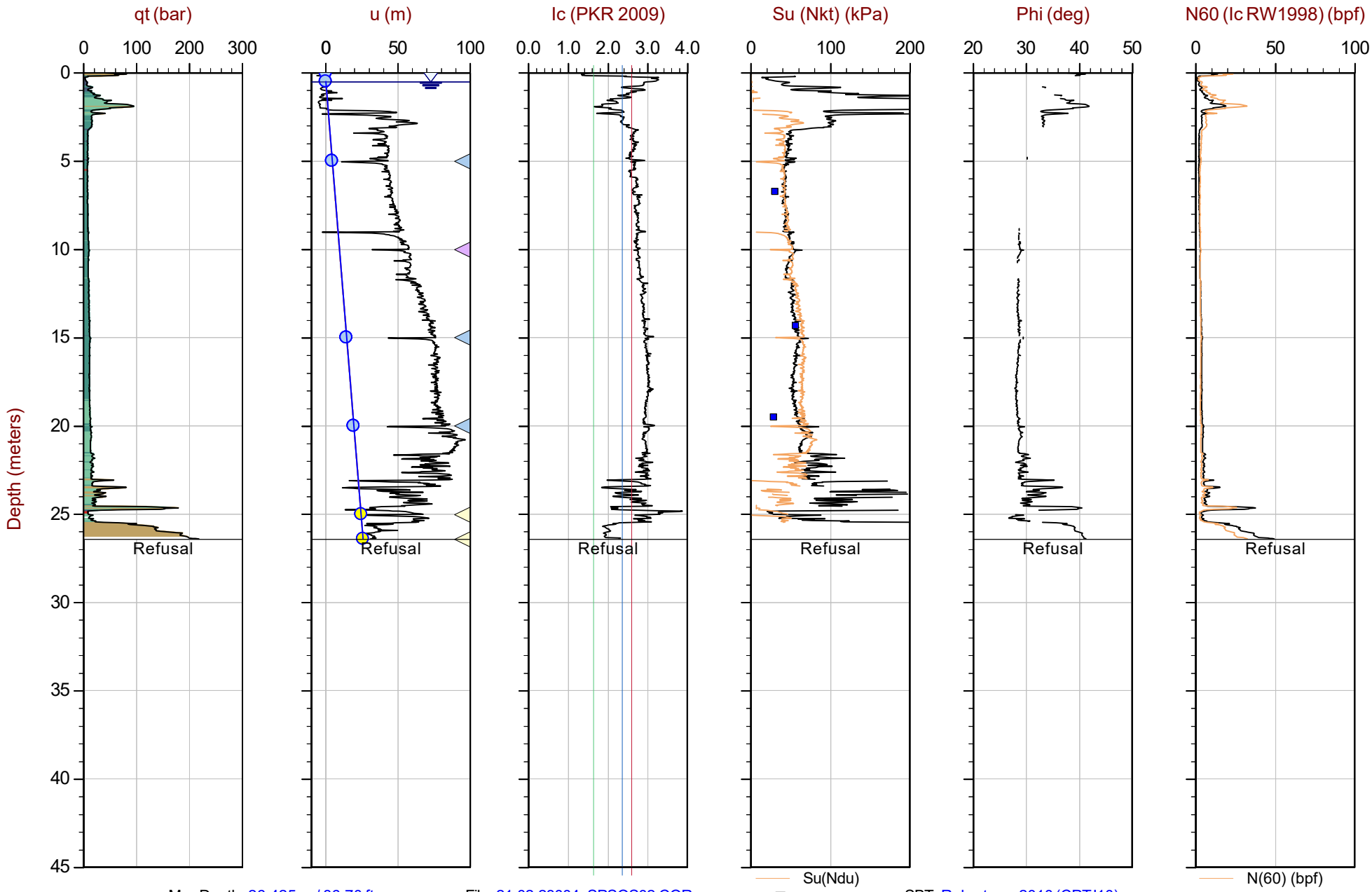

ConeTec
Canada Nickel Company
Job No: 21-02-23004
Date: 2021-12-13 12:03
Site: Crawford Mine
Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35
qt (bar)
u (m)
Ic (PKR 2009)
Su (Nkt) (kPa)
Phi (deg)
N60 (Ic RW1998) (bpf)
Depth (meters)
Drilled Out
Target Depth
Su(Ndu)
Su(peak)
N(60) (bpf)
Max Depth: 40.000 m / 131.23 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point
File: 21-02-23004_SPPF04.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0
SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409119m E: 469800m
Sheet No: 1 of 1
Equilibrium Pore Pressure (Ueq)
Assumed Ueq
Dissipation, Ueq achieved
Dissipation, Ueq not achieved
Dissipation, Ueq assumed
Hydrostatic Line
Ueq Line
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-12 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35



Max Depth: 26.425 m / 86.70 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPSOS02.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407602m E: 473543m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

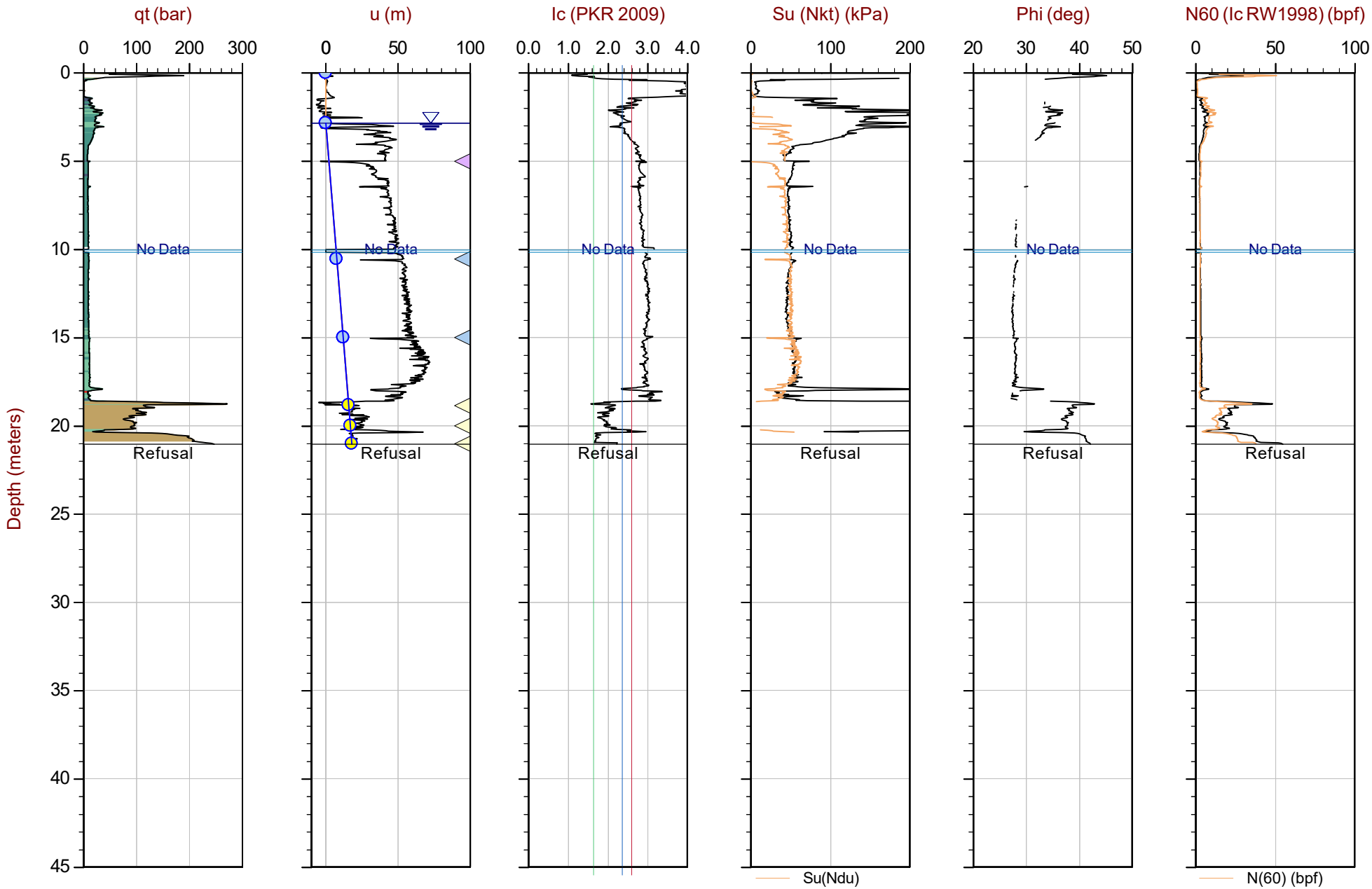
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-17 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35



Max Depth: 21.050 m / 69.06 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409898m E: 475833m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

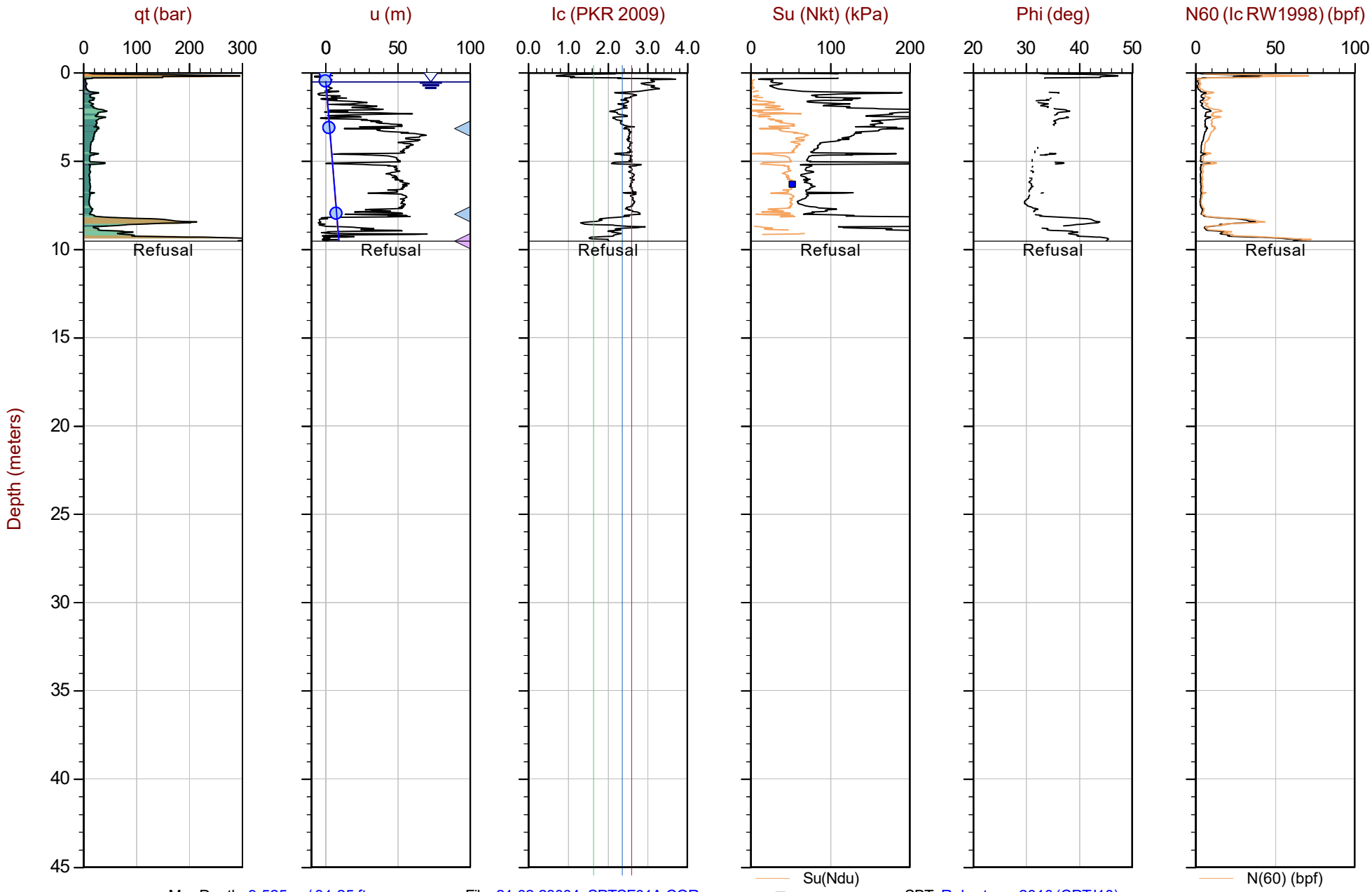
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-19 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35



Max Depth: 9.525 m / 31.25 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF01A.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408892m E: 475514m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

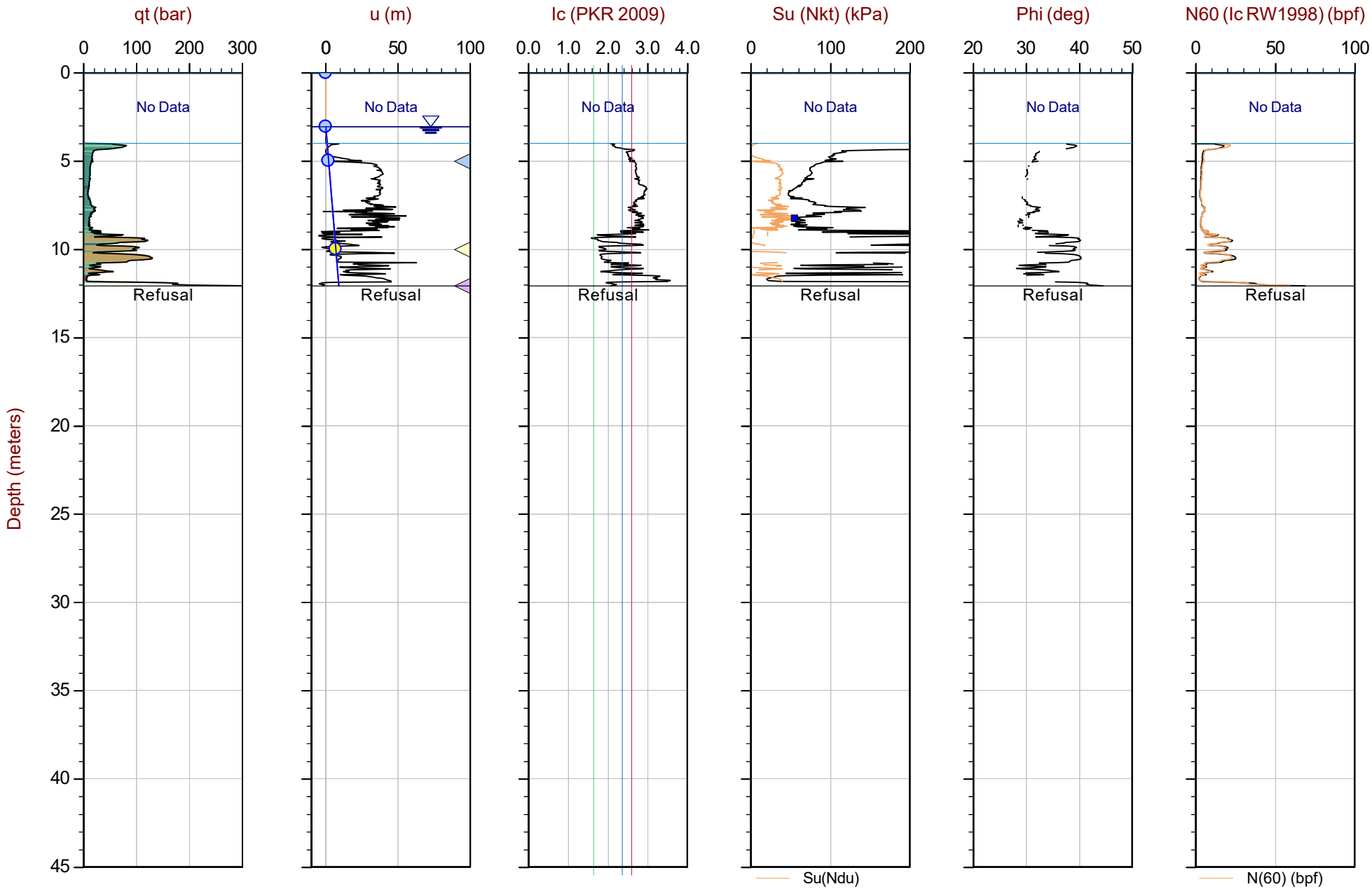
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-26 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35



Max Depth: 12.075 m / 39.62 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF03.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407122m E: 476801m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

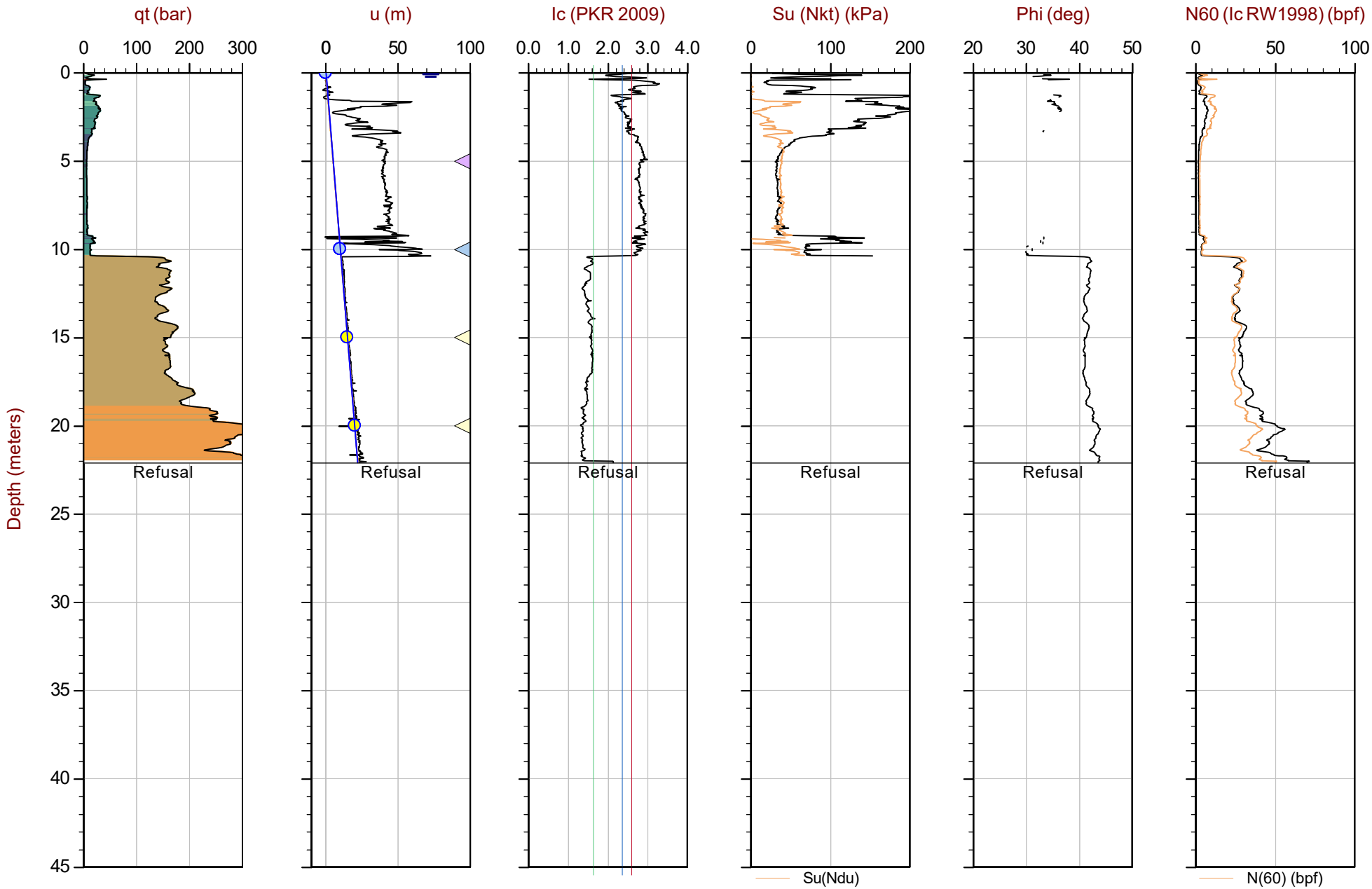
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-30 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35



Max Depth: 22.100 m / 72.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF04.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5405122m E: 476789m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

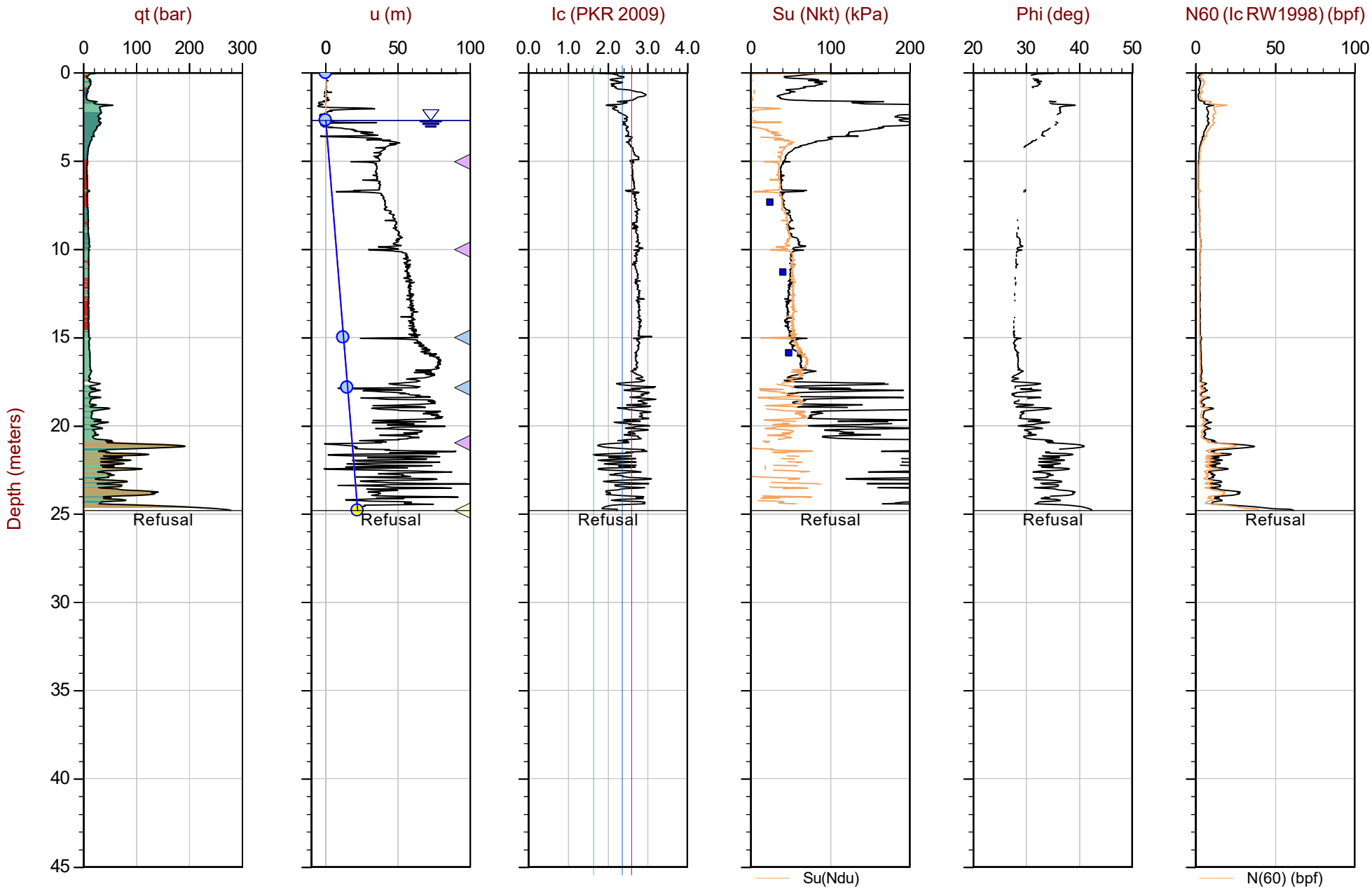
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-30 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35



Max Depth: 24.800 m / 81.36 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF06.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405098m E: 473061m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

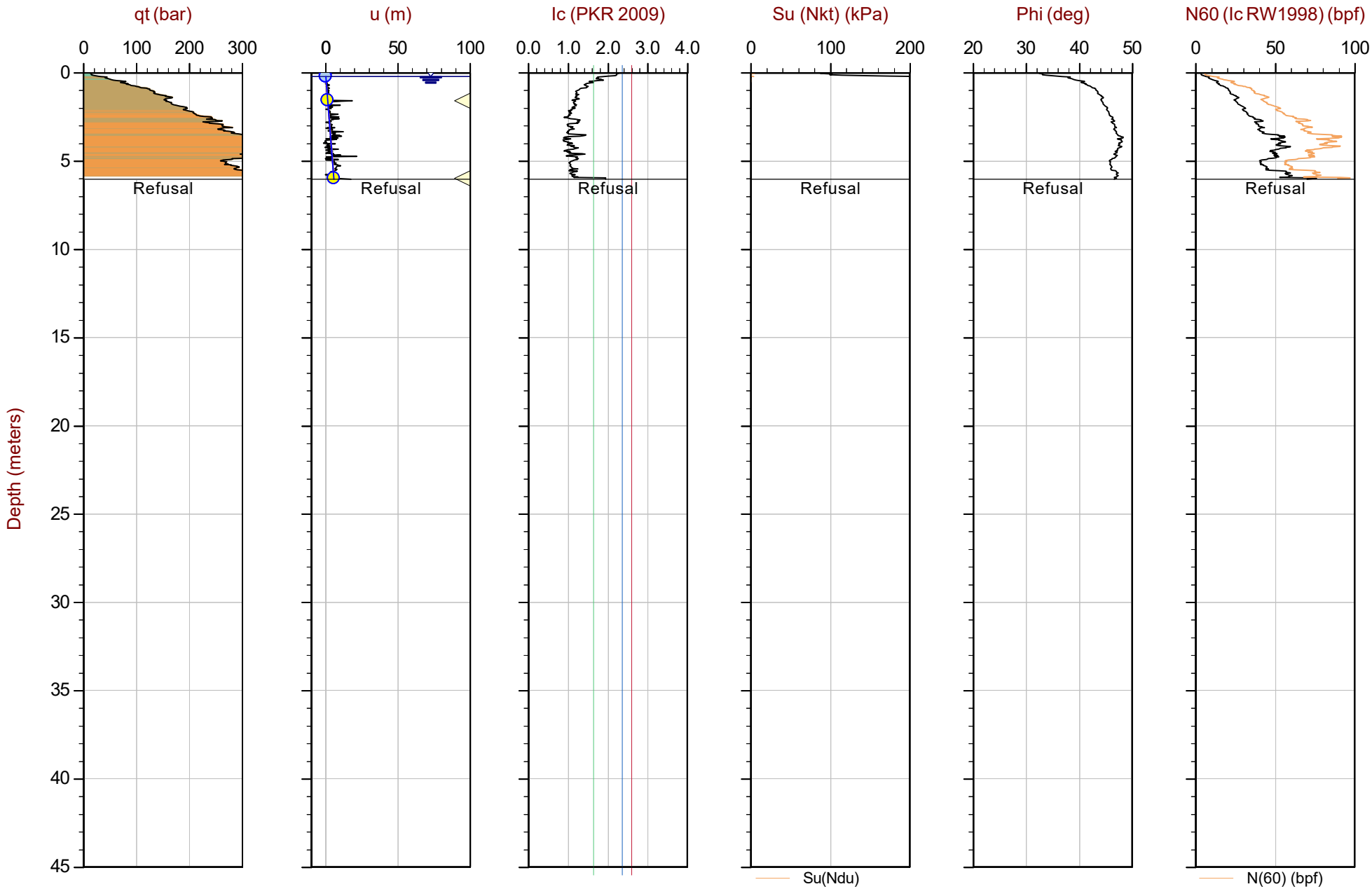
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-06 05:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-07
Cone: 742:T1500F15U35



Max Depth: 6.025 m / 19.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF07.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405840m E: 471108m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

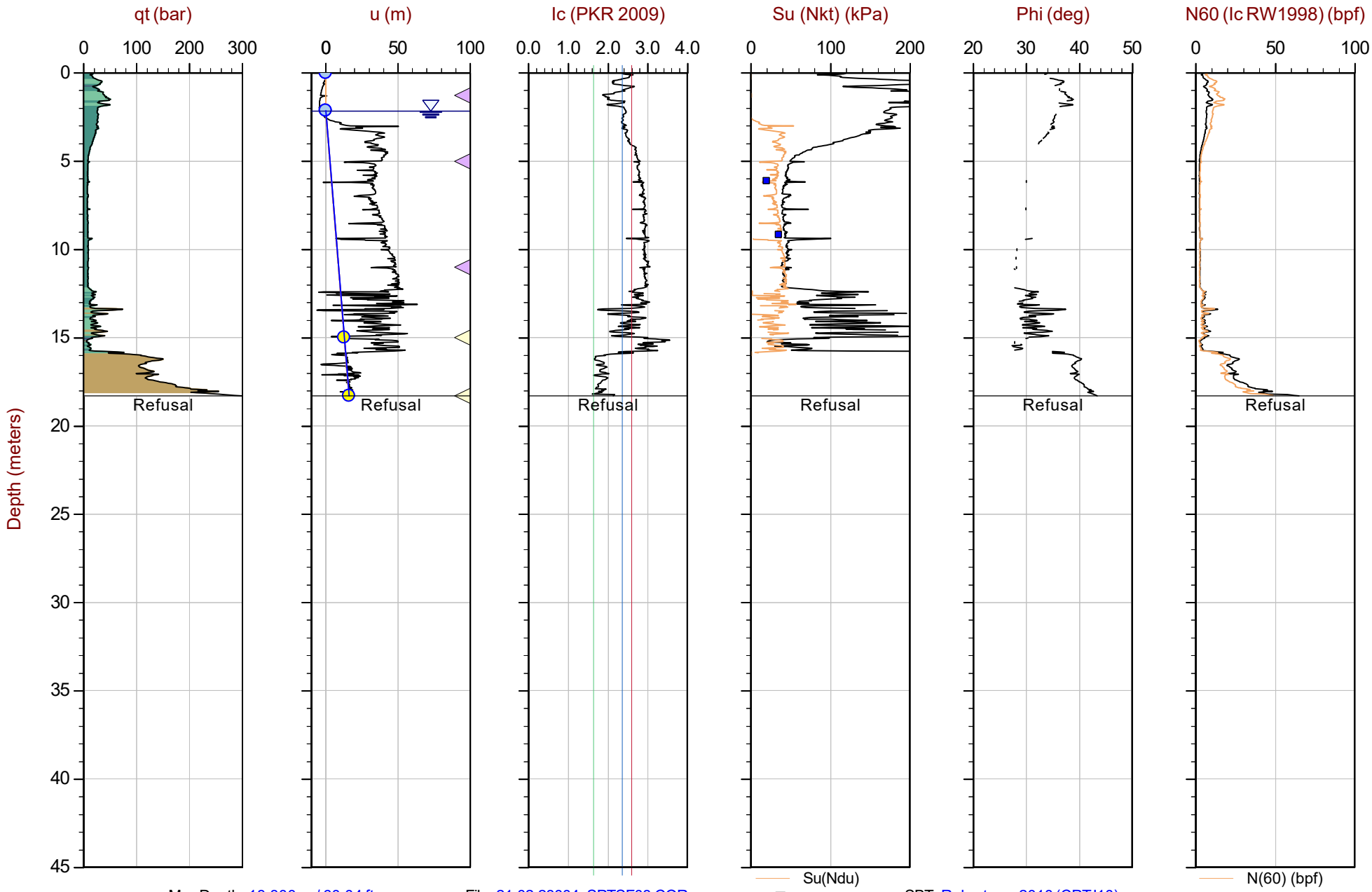
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-24 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35



Max Depth: 18.300 m / 60.04 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF08.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5406528m E: 473370m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

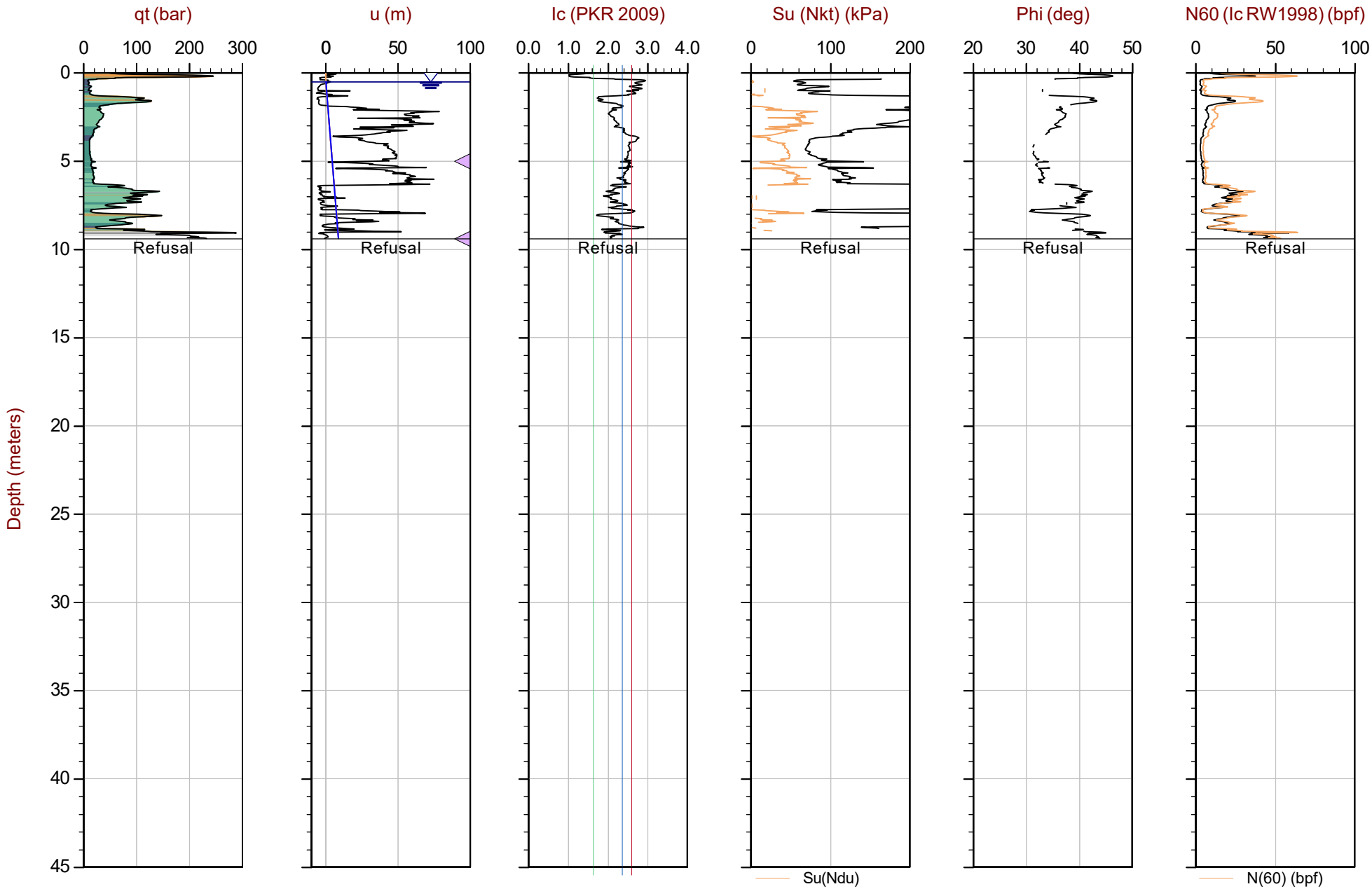
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-05 06:51
Site: Crawford Mine

Sounding: SRK-TSF-CPT-09
Cone: 751:T1500F15U35



Max Depth: 9.400 m / 30.84 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF09.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408311m E: 475241m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

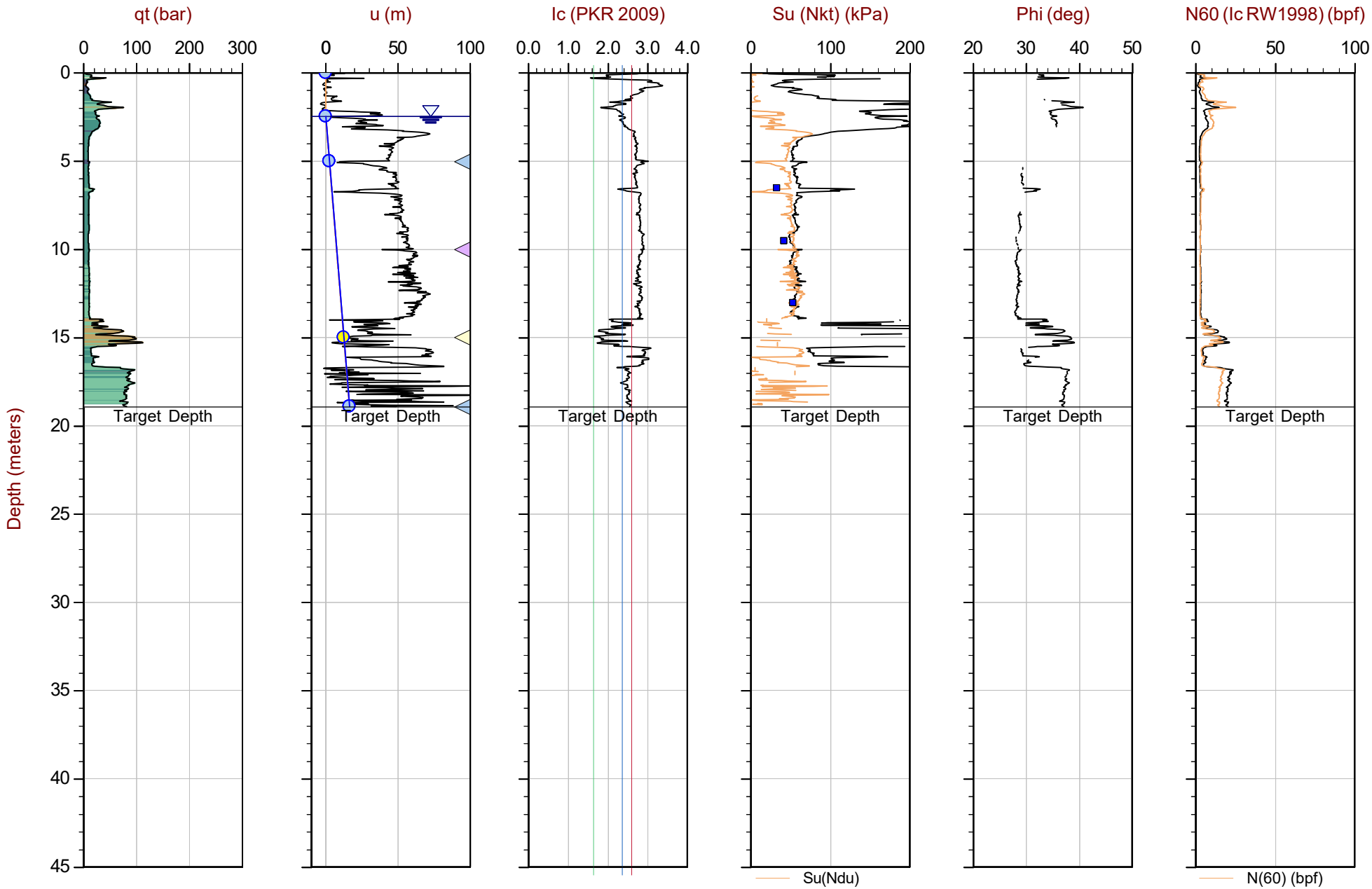
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-22 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35



Max Depth: 18.925 m / 62.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF10.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408198m E: 476077m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

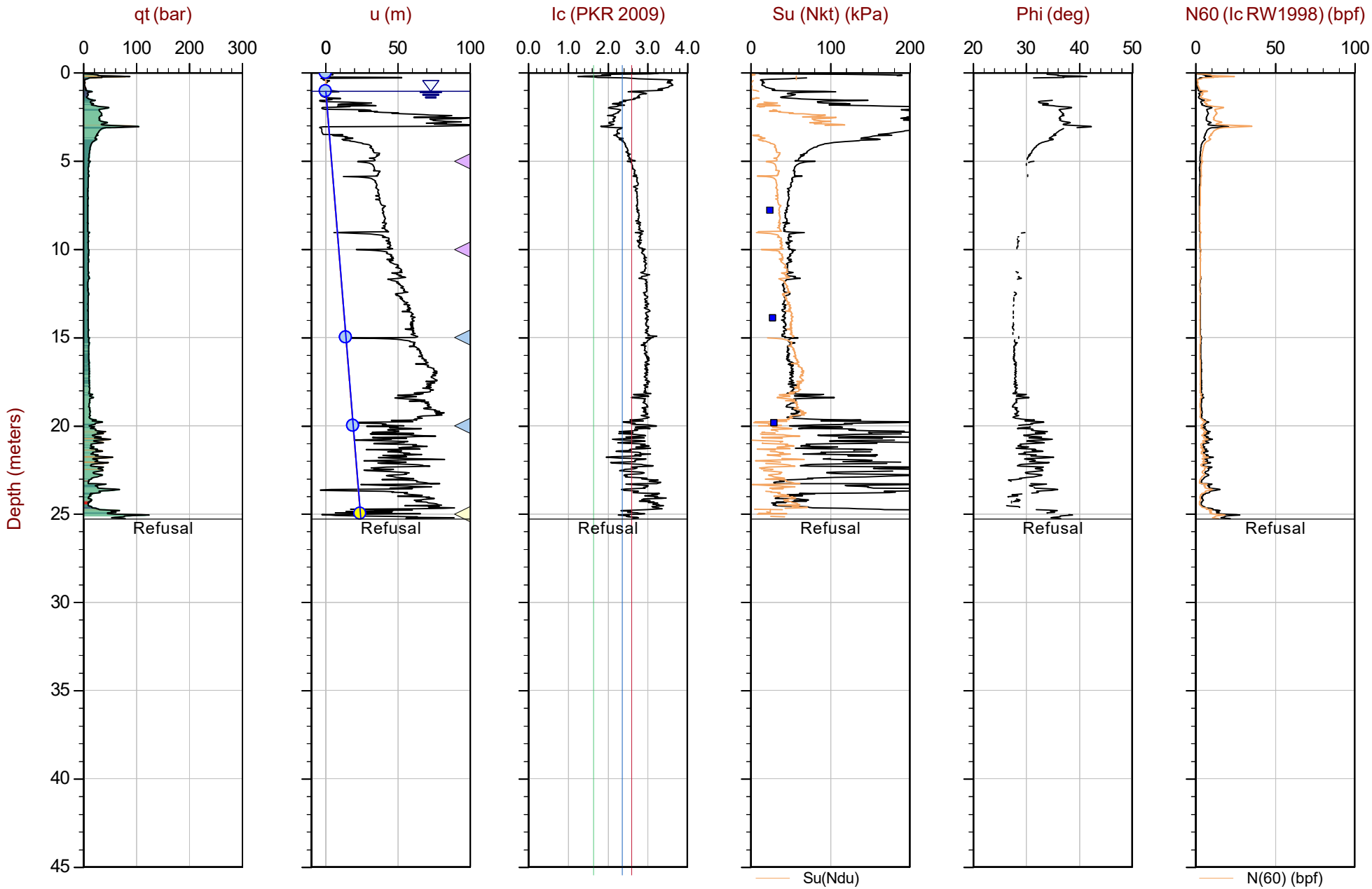
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-14 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35



Max Depth: 25.275 m / 82.92 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF11.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405754m E: 474678m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

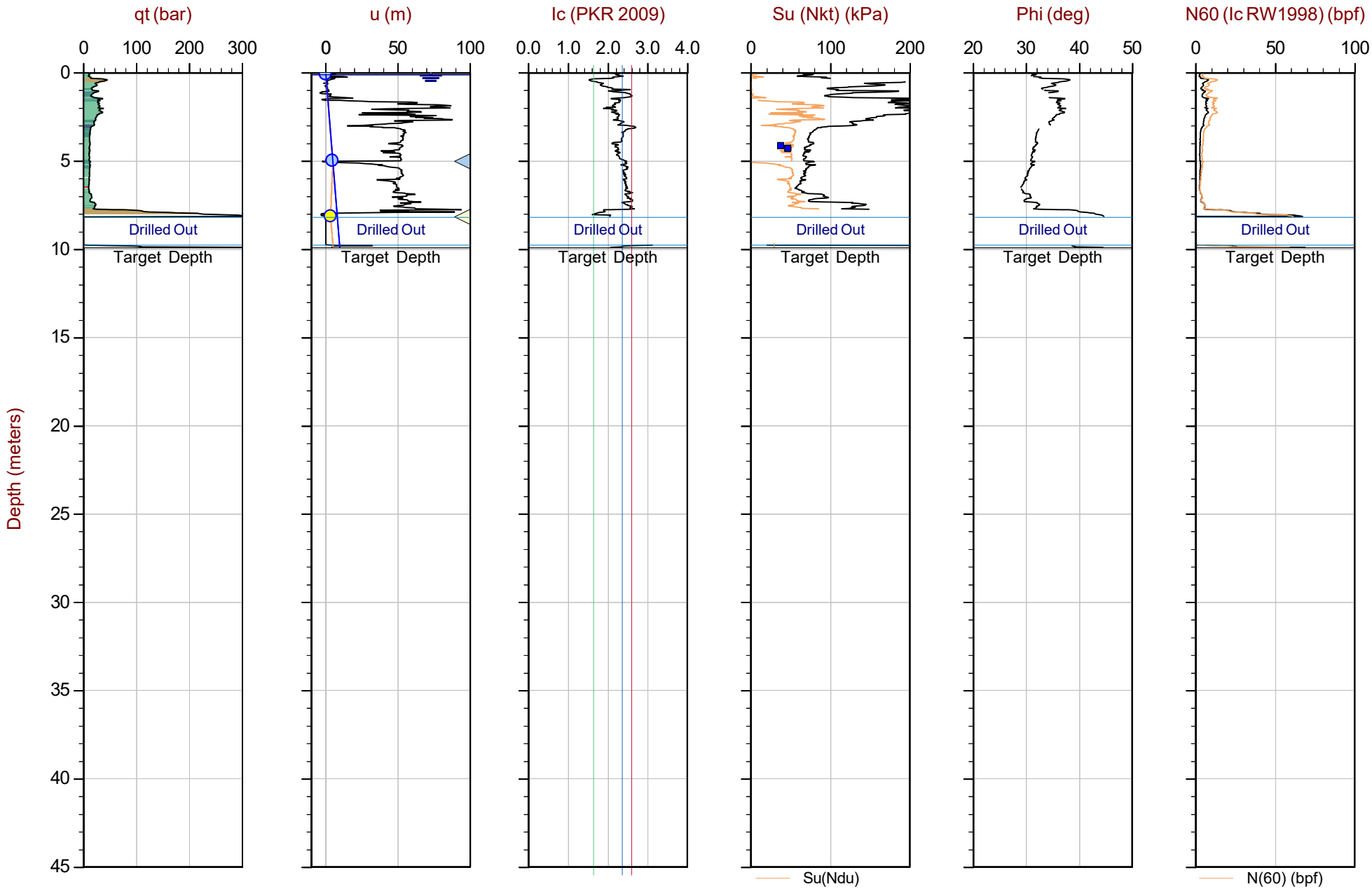
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-24 22:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-13
Cone: 726:T1500F15U35



Max Depth: 9.900 m / 32.48 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF13.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408237m E: 476950m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

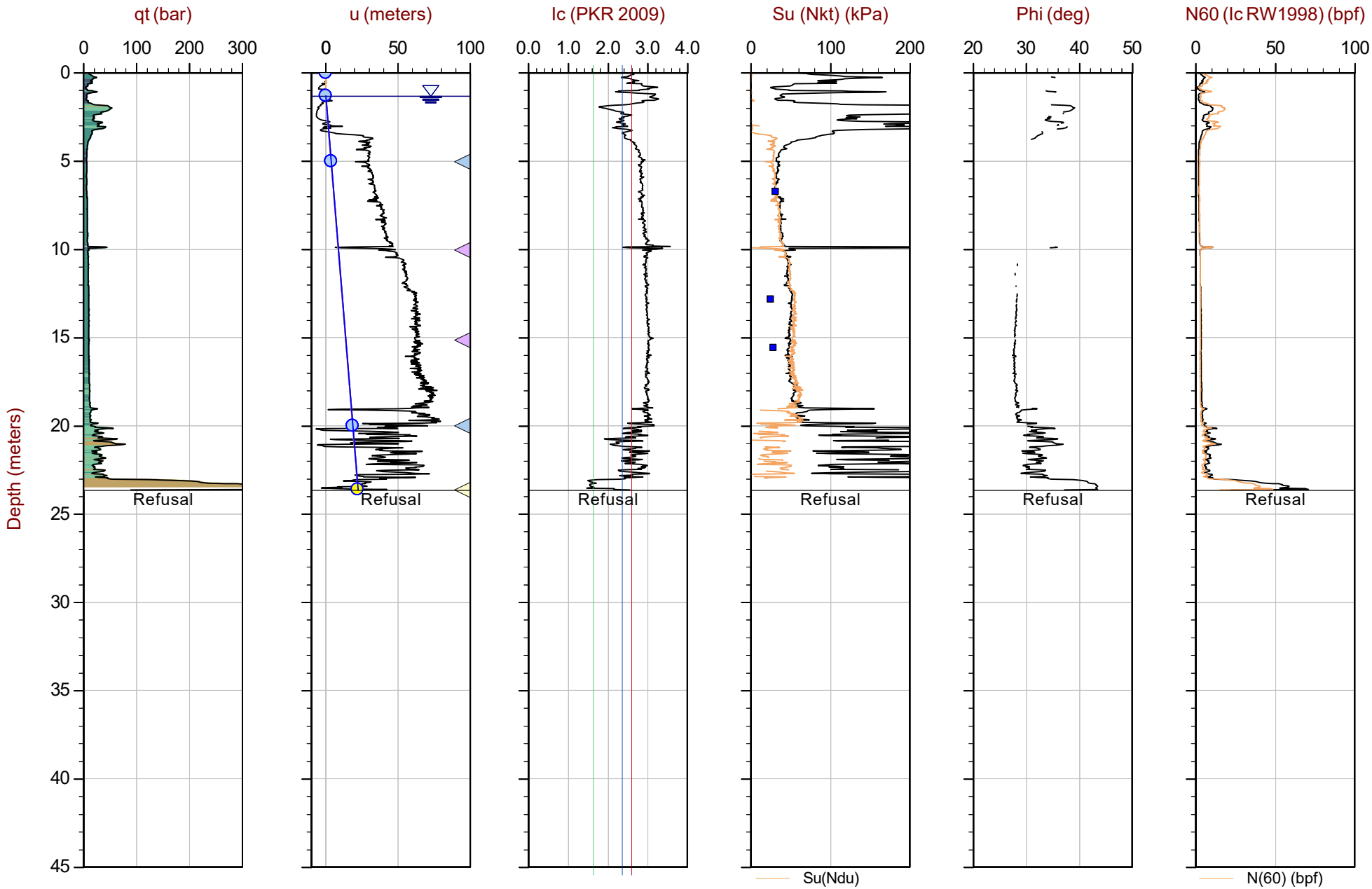
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-21 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35



Max Depth: 23.650 m / 77.59 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF14.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5406441m E: 474817m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

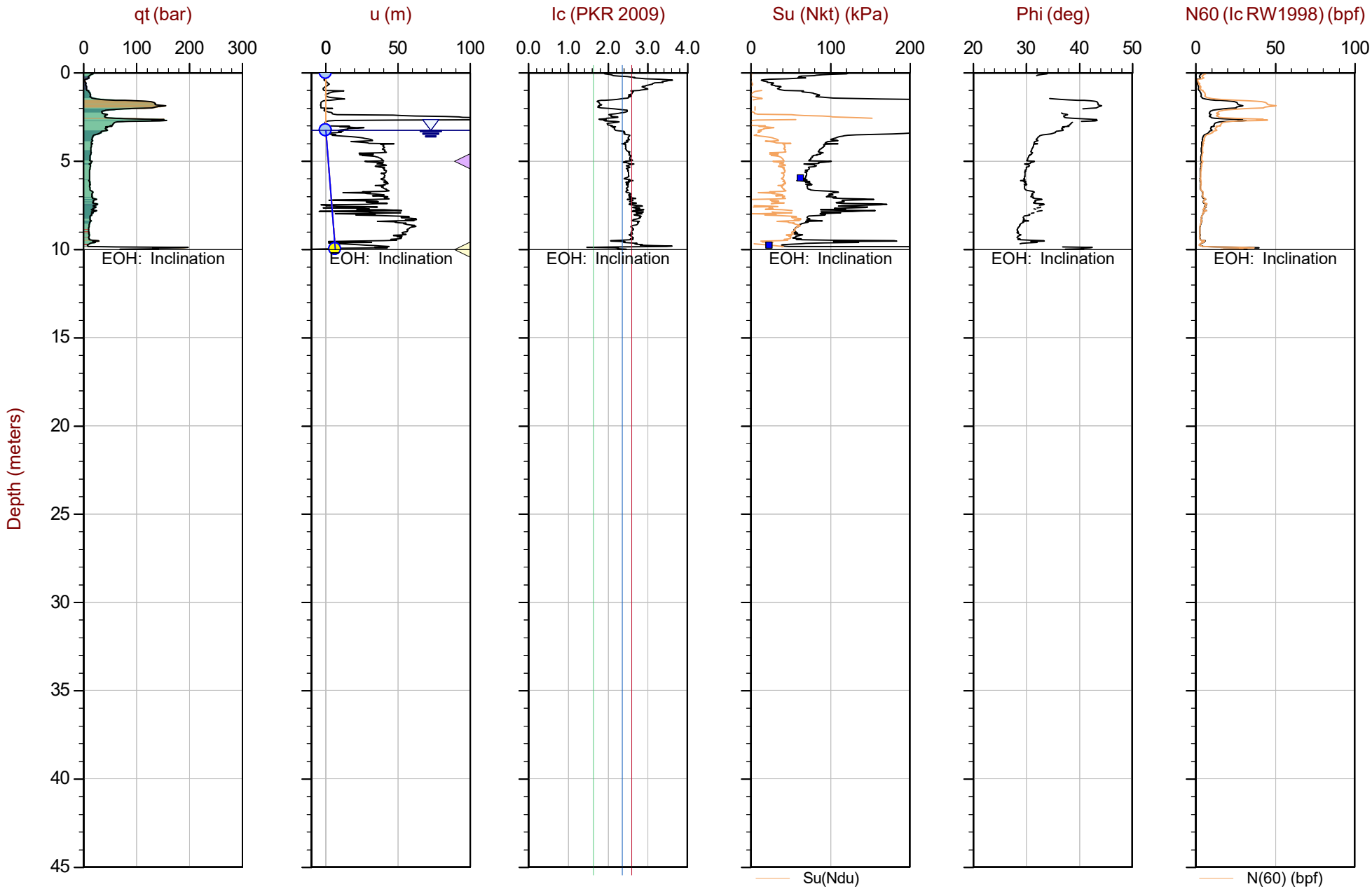
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-10 07:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-15
Cone: 728:T1500F15U35



Max Depth: 10.000 m / 32.81 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF15.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407081m E: 475195m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

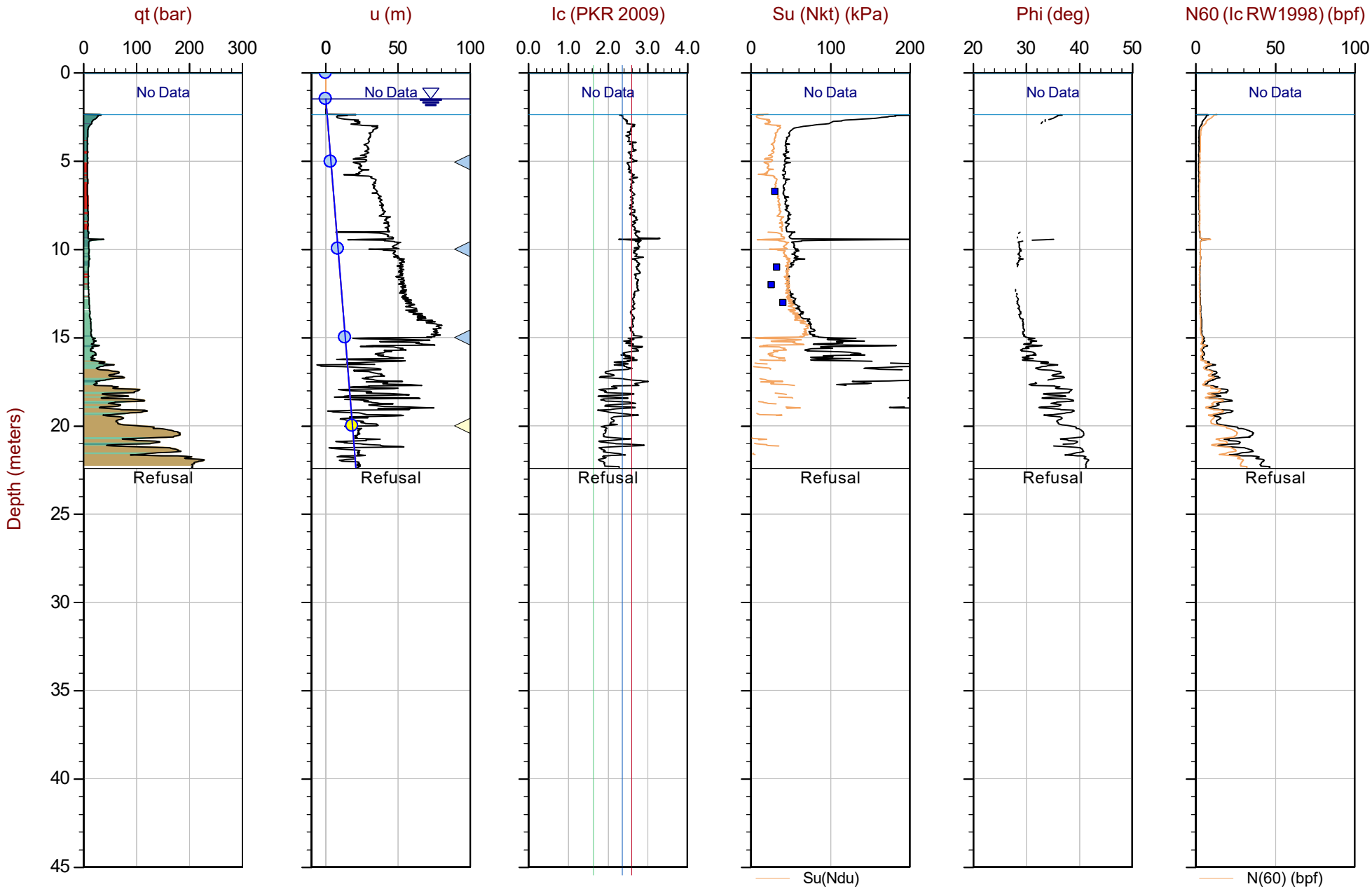
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-10 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35



Max Depth: 22.400 m / 73.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF17.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405900m E: 472155m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

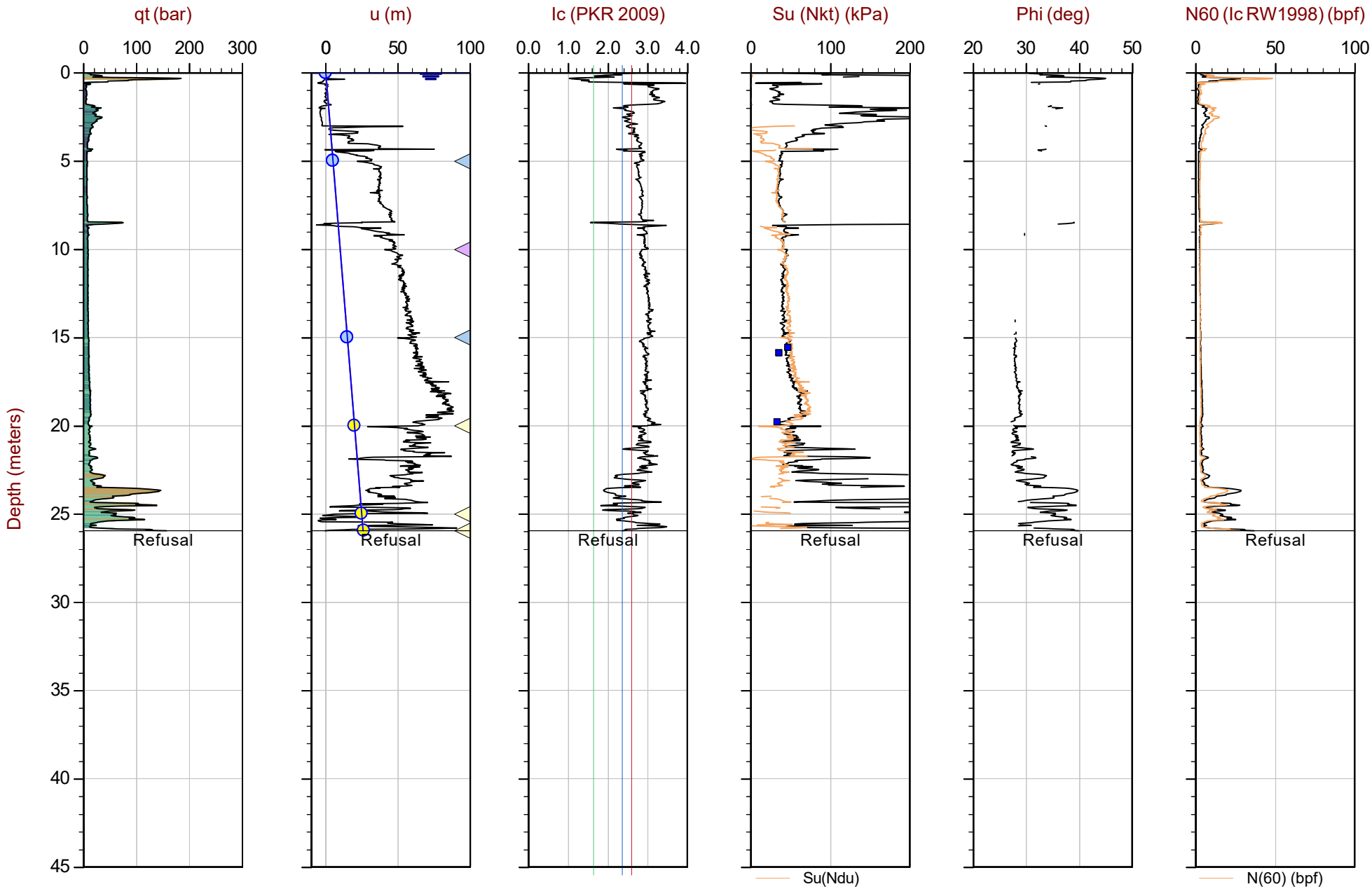
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-02 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35



Max Depth: 25.950 m / 85.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF18.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5405711m E: 476778m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

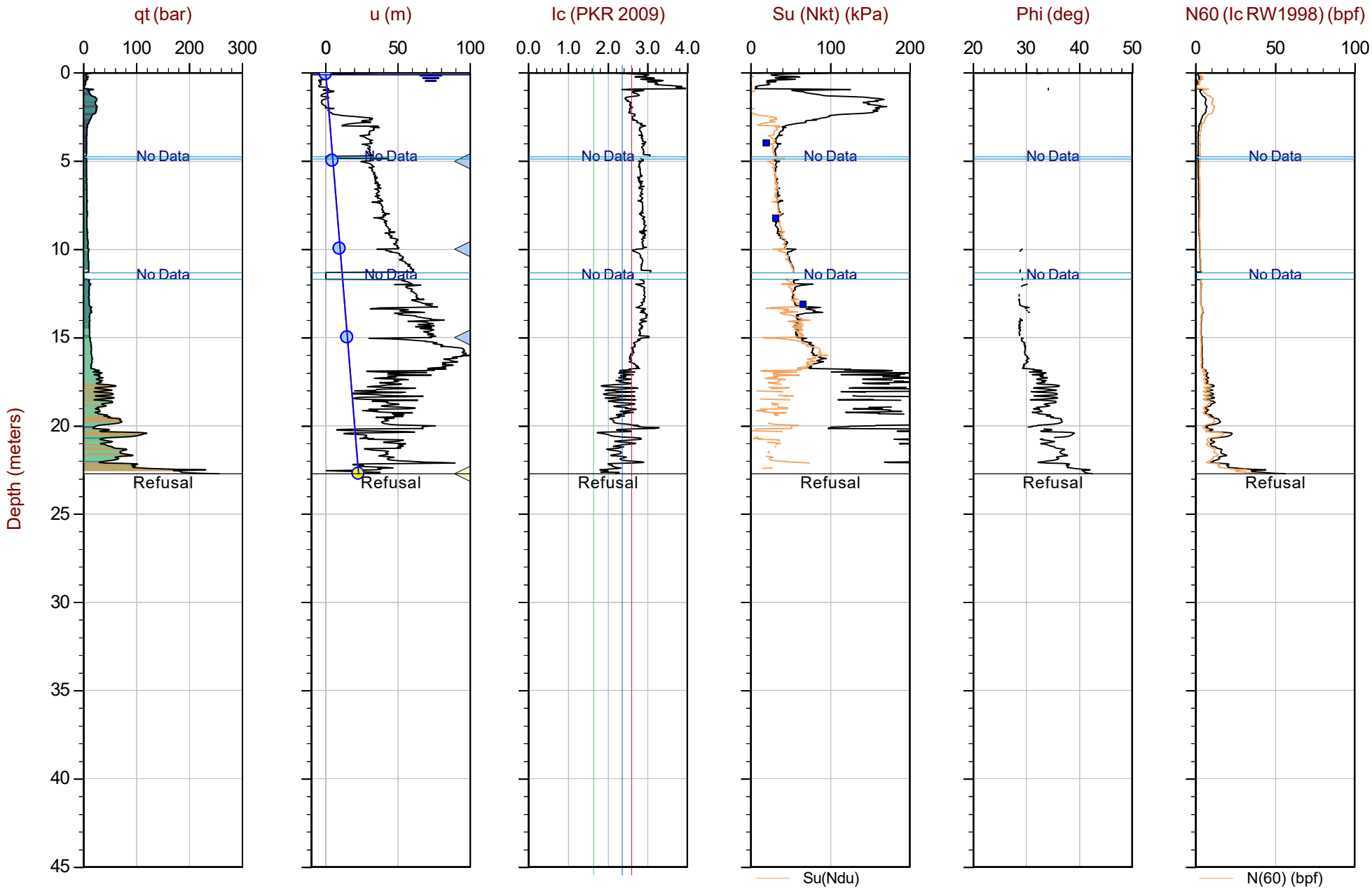
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-25 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35



Max Depth: 22.725 m / 74.56 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF20.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5403609m E: 473200m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

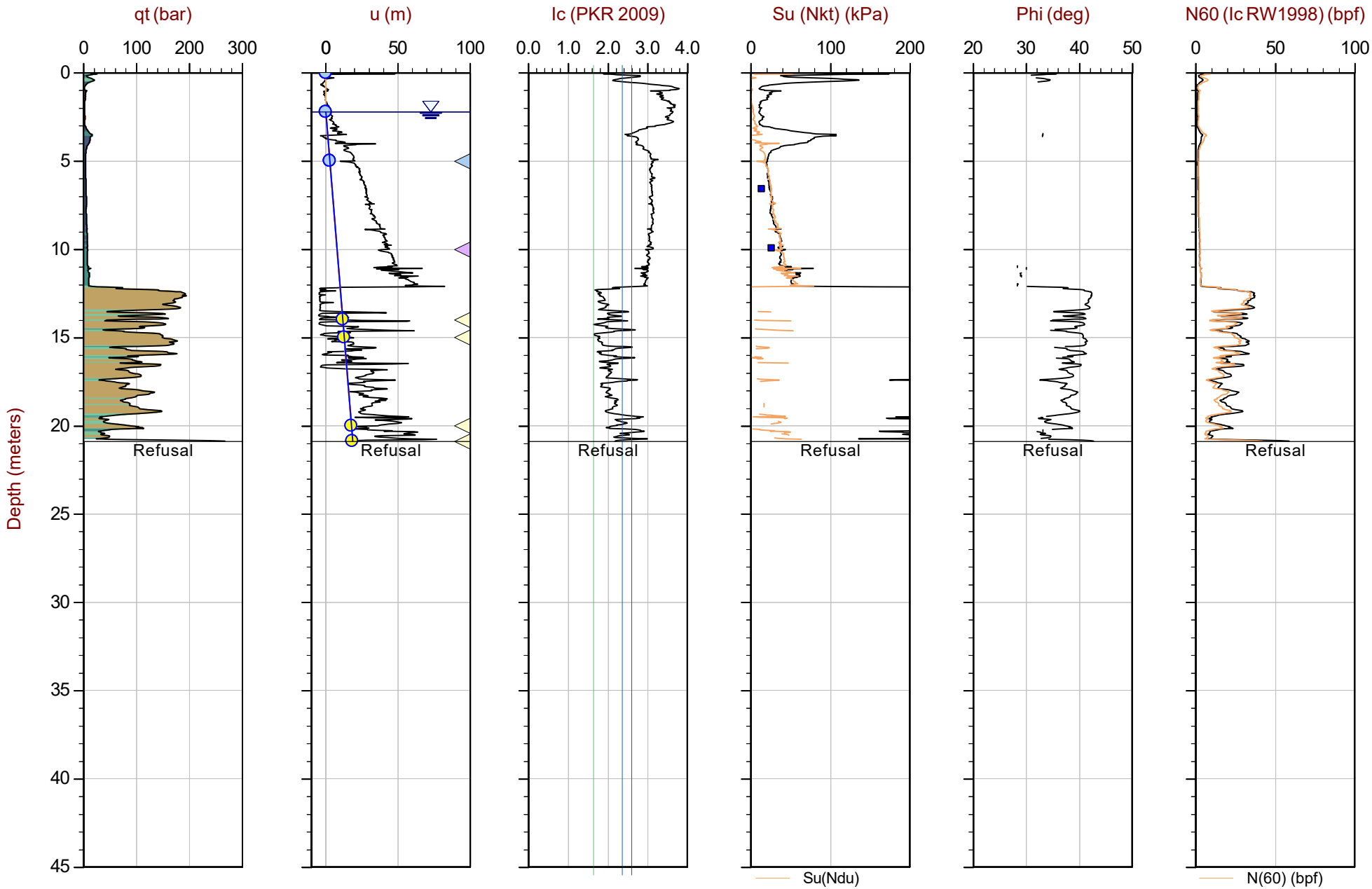
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-23 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35



Max Depth: 20.875 m / 68.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF21.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5401925m E: 473365m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

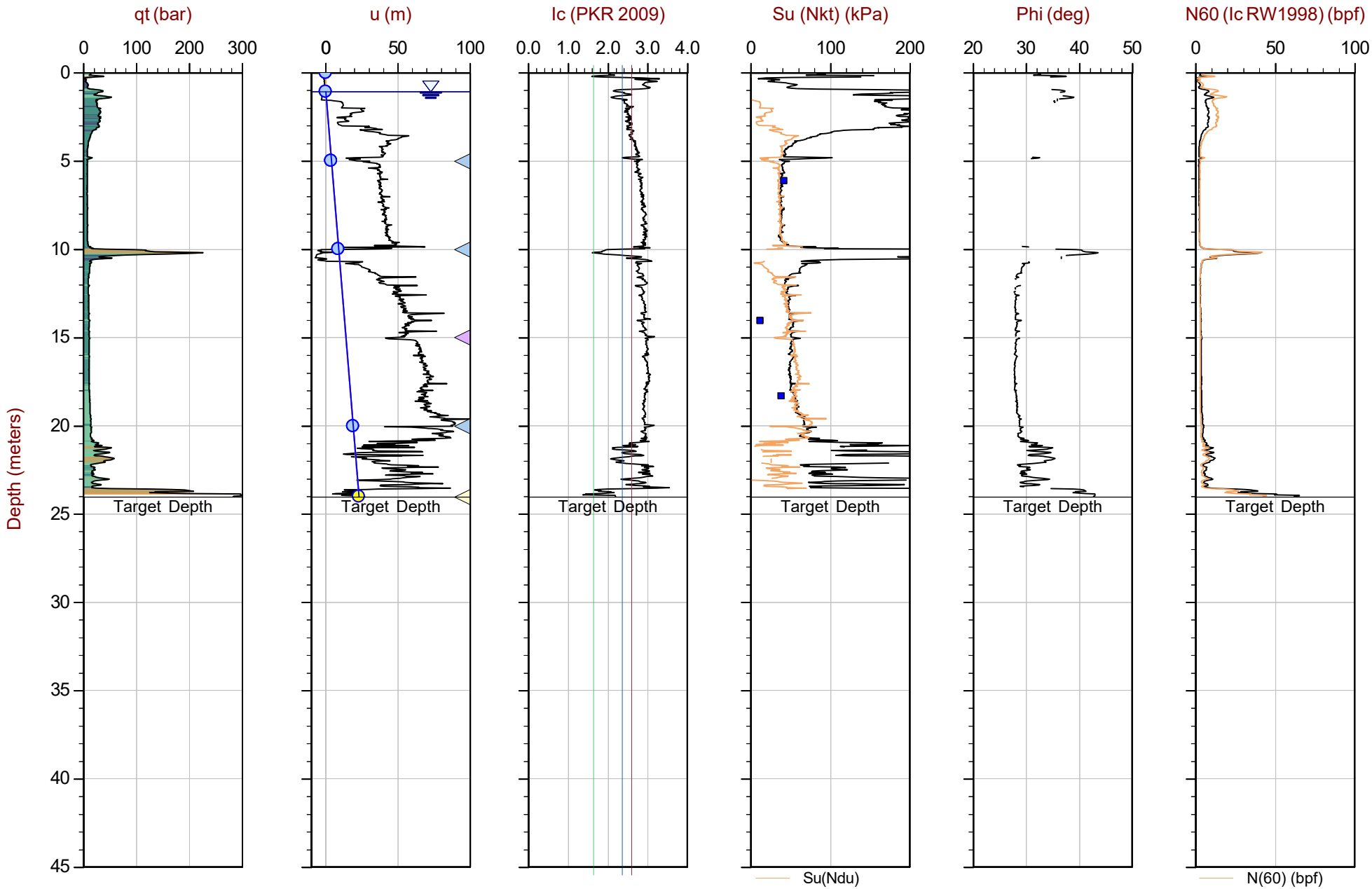
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-18 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35



Max Depth: 24.025 m / 78.82 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF23.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5403417m E: 476616m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

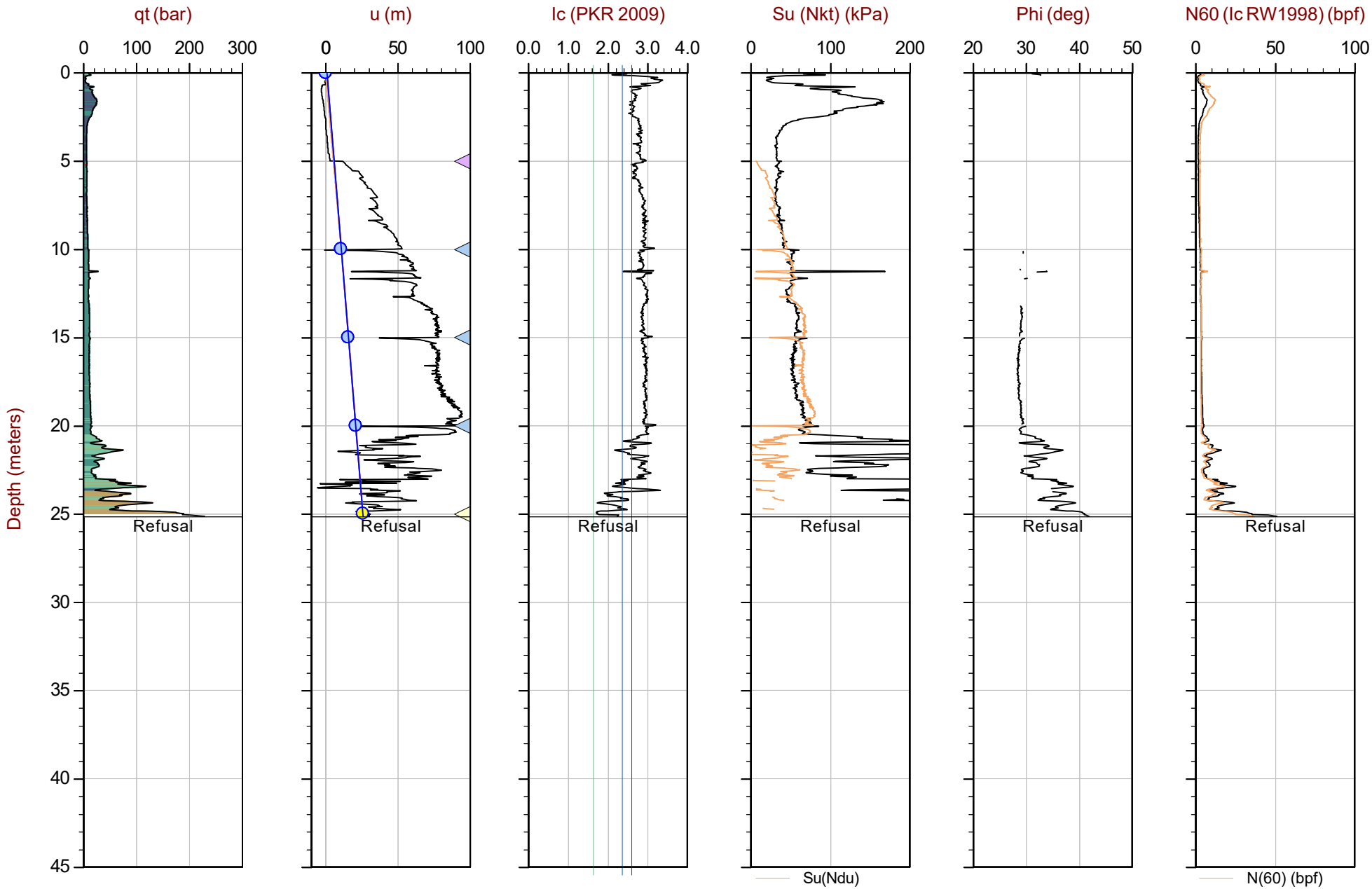
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-16 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35



Max Depth: 25.150 m / 82.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_CPTSF29.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5404247m E: 476764m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

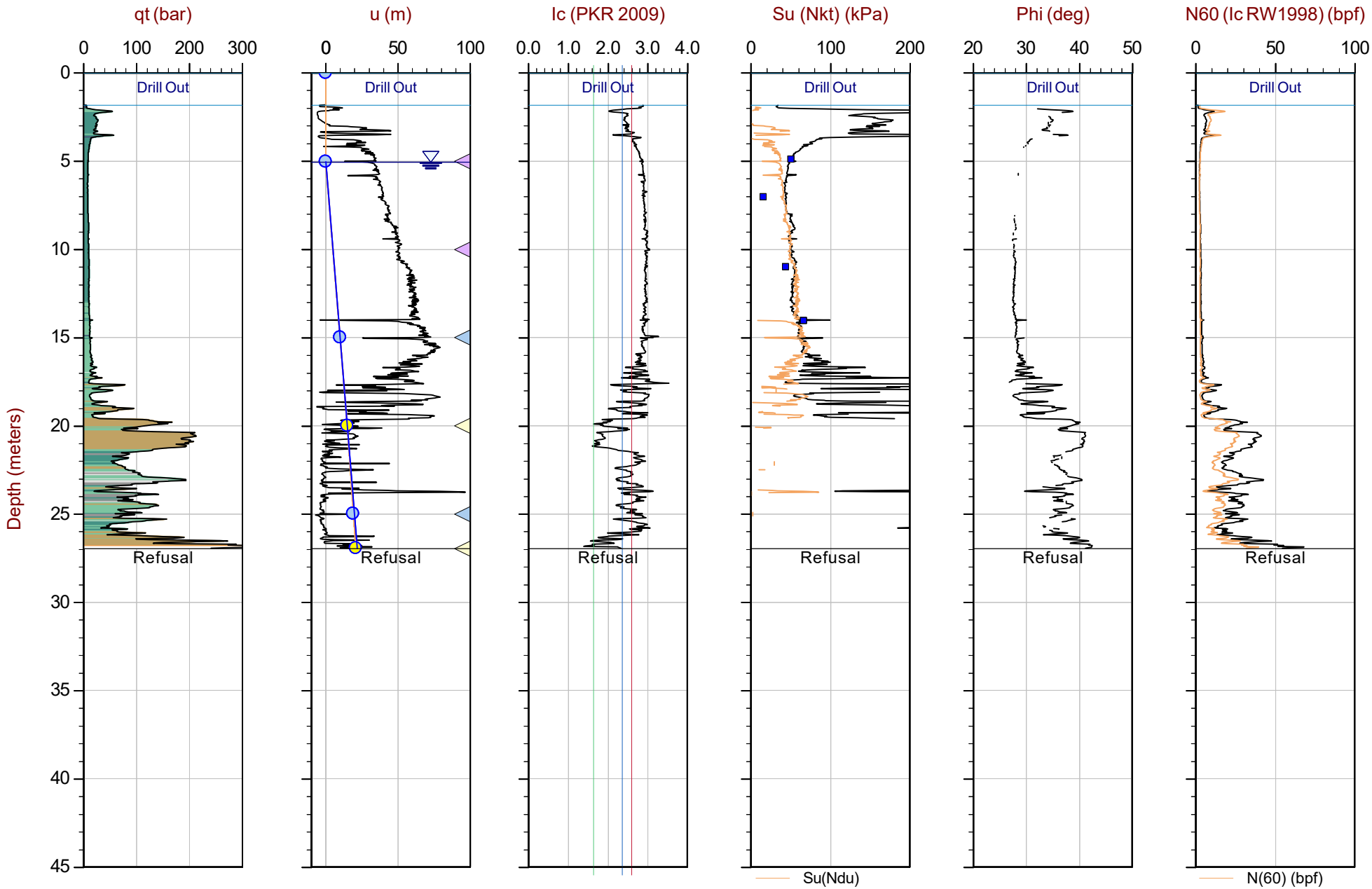
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-27 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35



Max Depth: 26.950 m / 88.42 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF102.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5408278m E: 468244m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

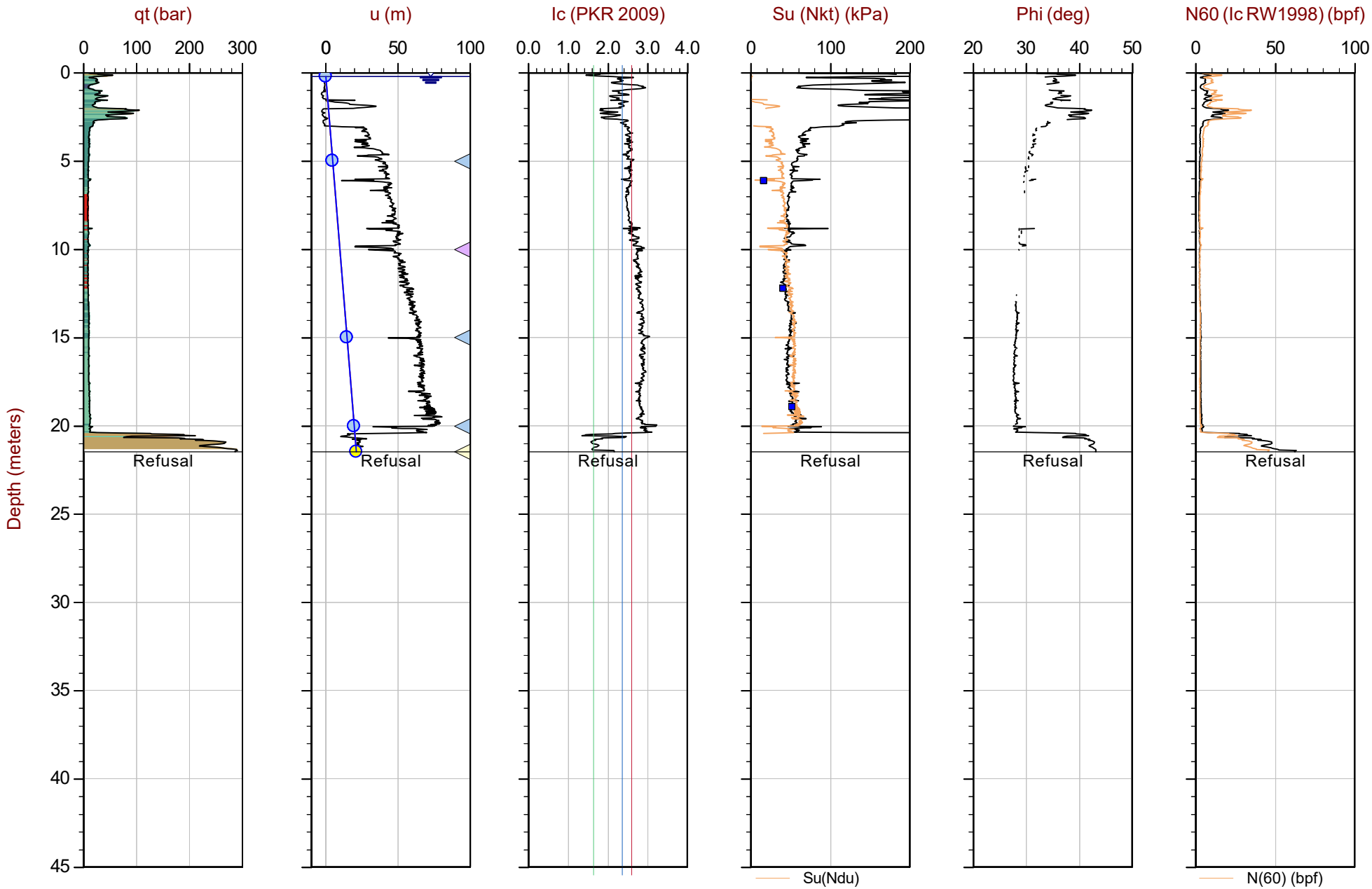
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-28 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35



Max Depth: 21.475 m / 70.46 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWOS01.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409115m E: 471903m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

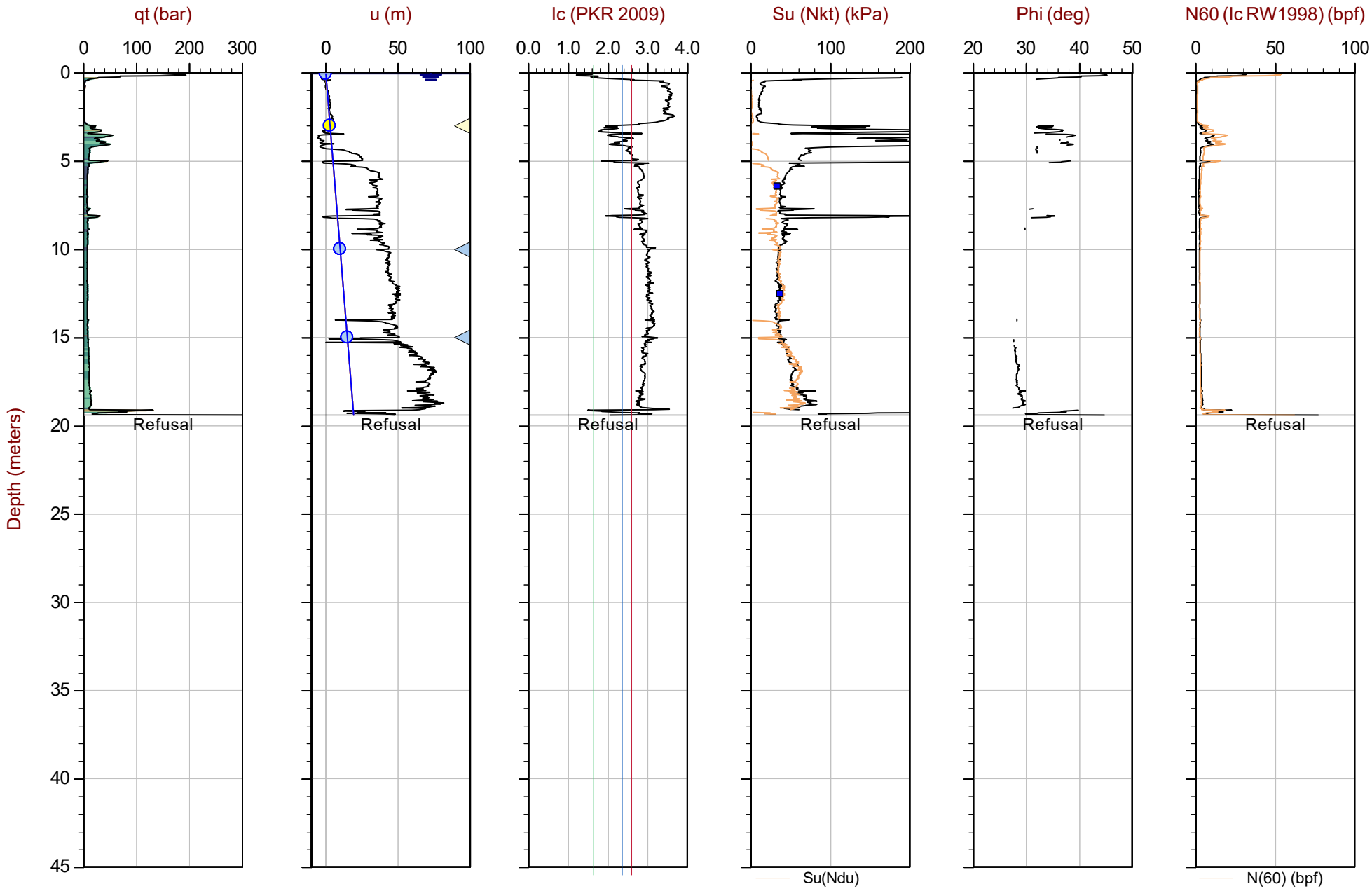
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-08 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35



Max Depth: 19.400 m / 63.65 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD10.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410758m E: 474460m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

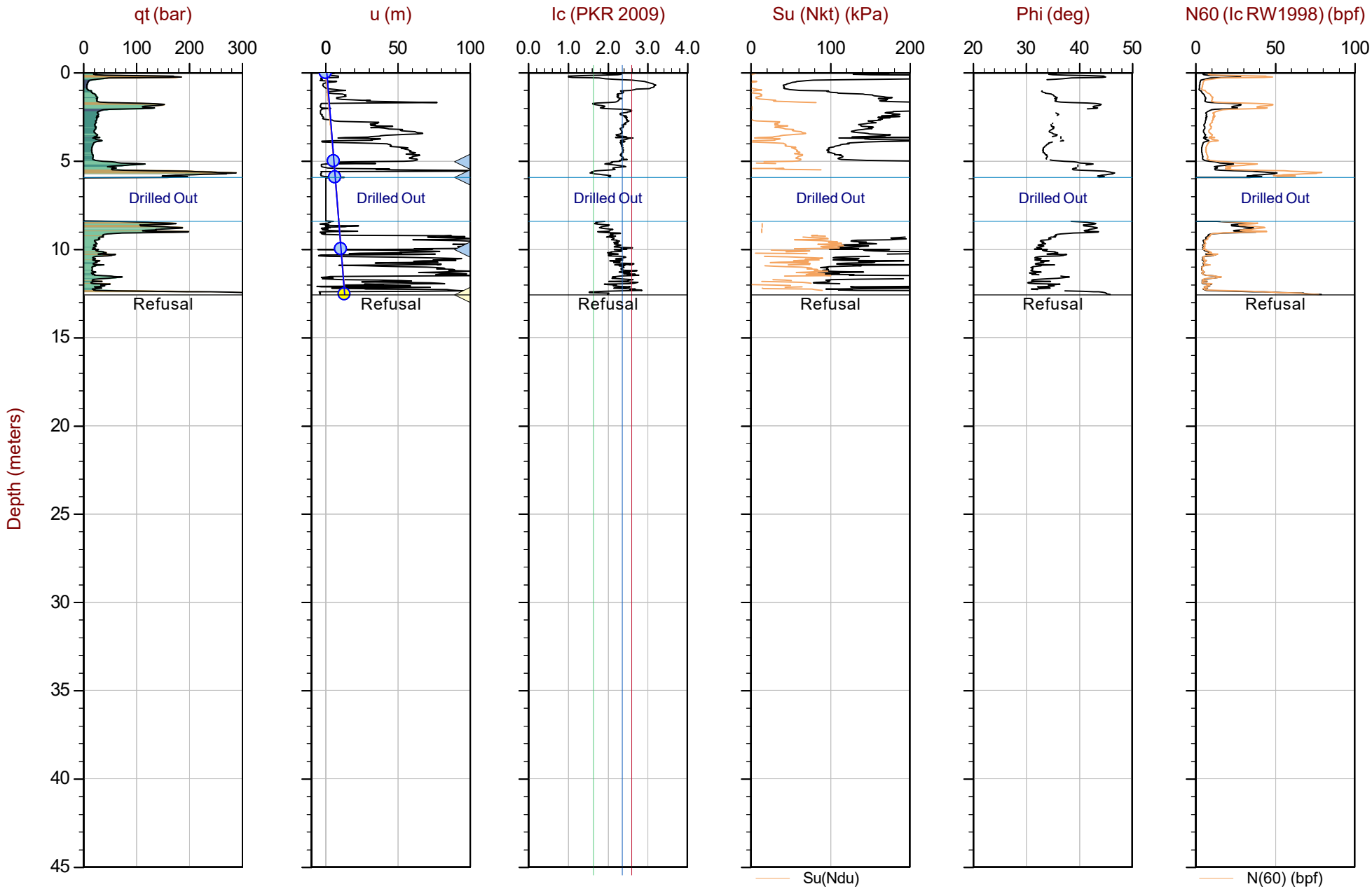
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-12 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35



Max Depth: 12.575 m / 41.26 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD14.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412880m E: 471711m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

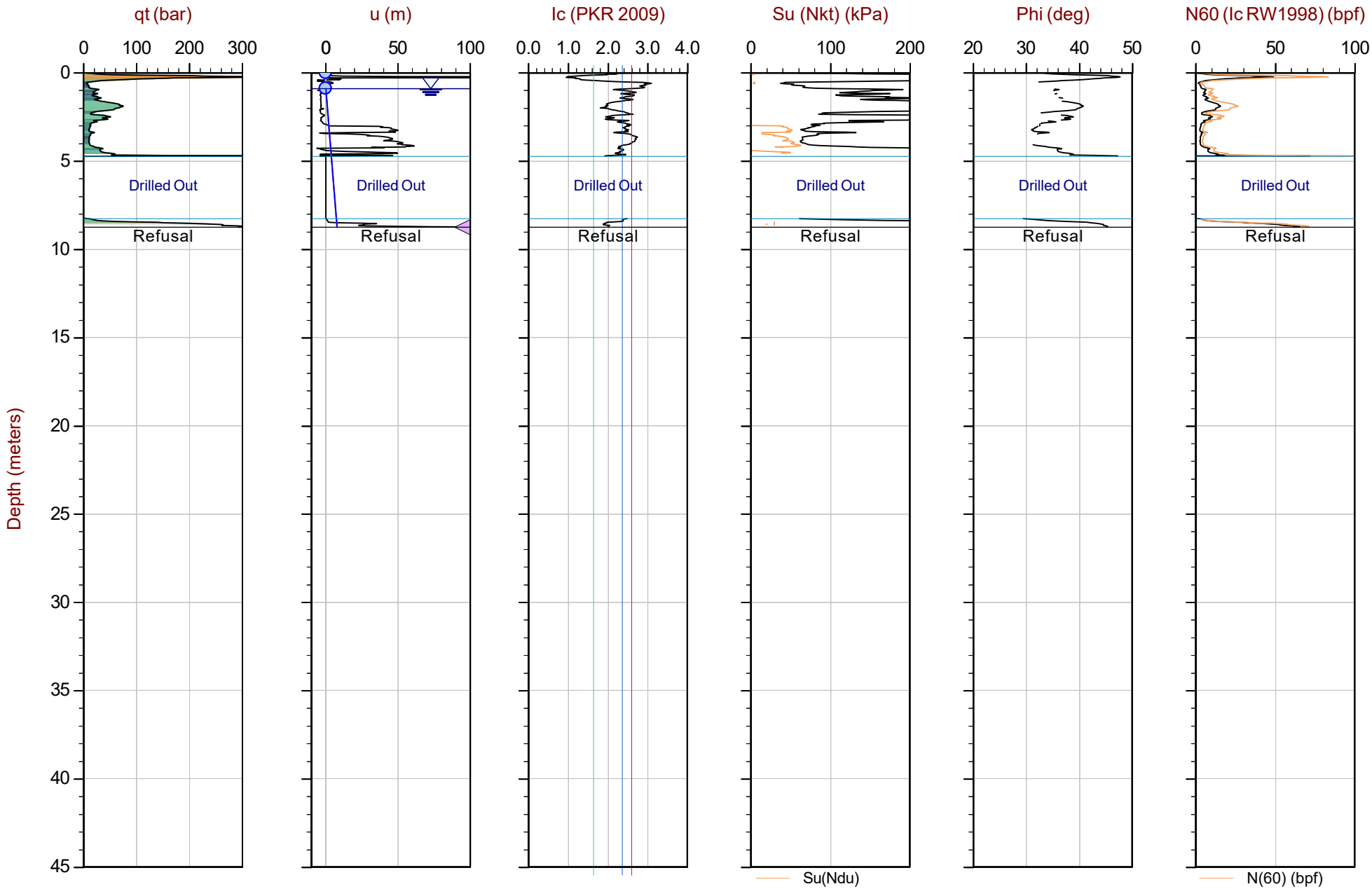
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-16 09:28
Site: Crawford Mine

Sounding: SRK-WRD-CPT-15
Cone: 728:T1500F15U35



Max Depth: 8.750 m / 28.71 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD15.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412030m E: 471391m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

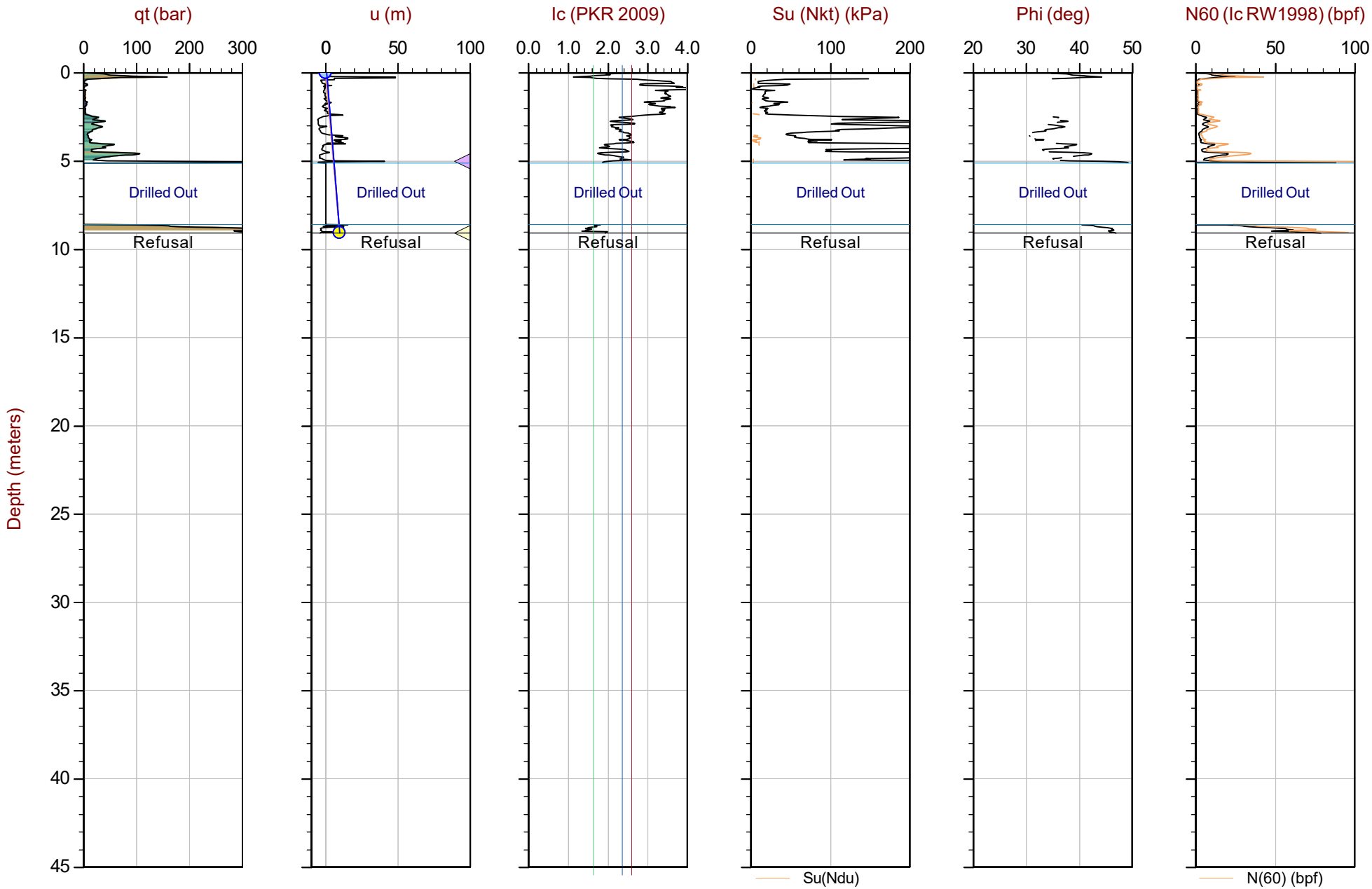
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-14 09:02
Site: Crawford Mine

Sounding: SRK-WRD-CPT-16
Cone: 728:T1500F15U35



Max Depth: 9.075 m / 29.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD16.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5413770m E: 471455m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

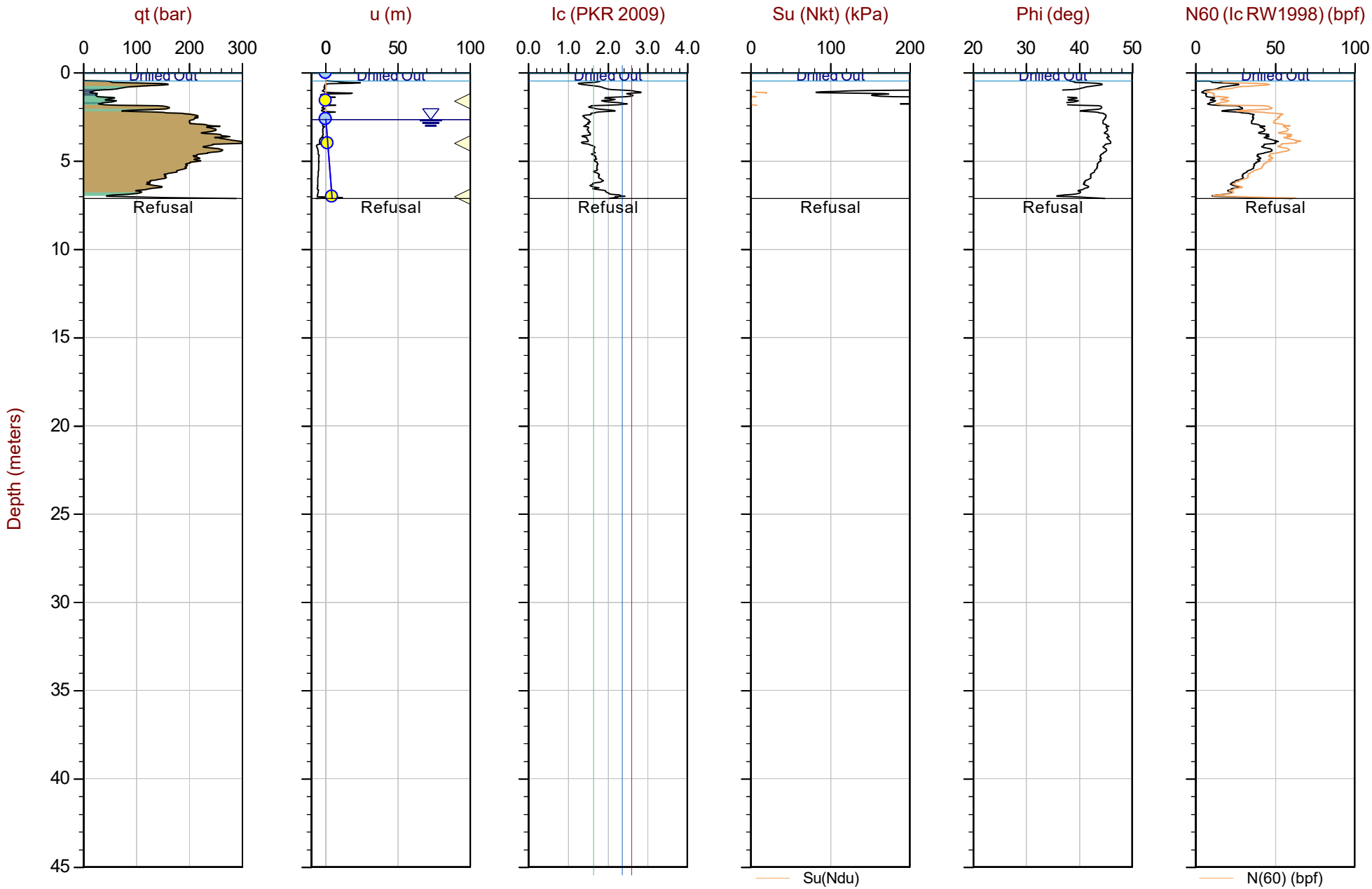
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-09 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35



Max Depth: 7.125 m / 23.38 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD17.COR
Unit Wt: Rev SBT (PKR2010)
Su Nkt/Ndu: 15.0 / 9.0

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5415177m E: 472209m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

Seismic Cone Penetration Test Plots

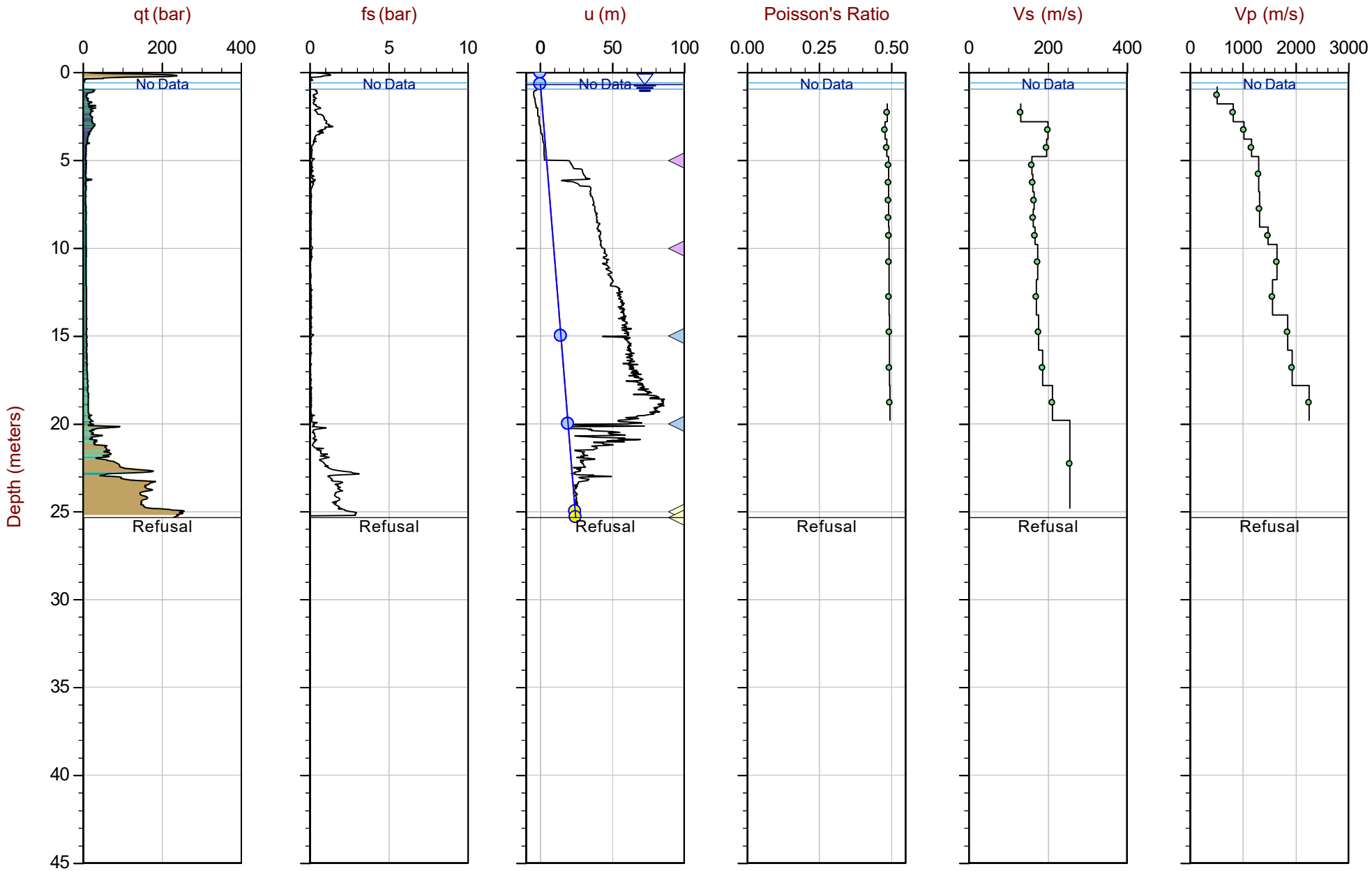
CONETEC

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-02 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35



Max Depth: 25.325 m / 83.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPHG01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408071m E: 471295m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

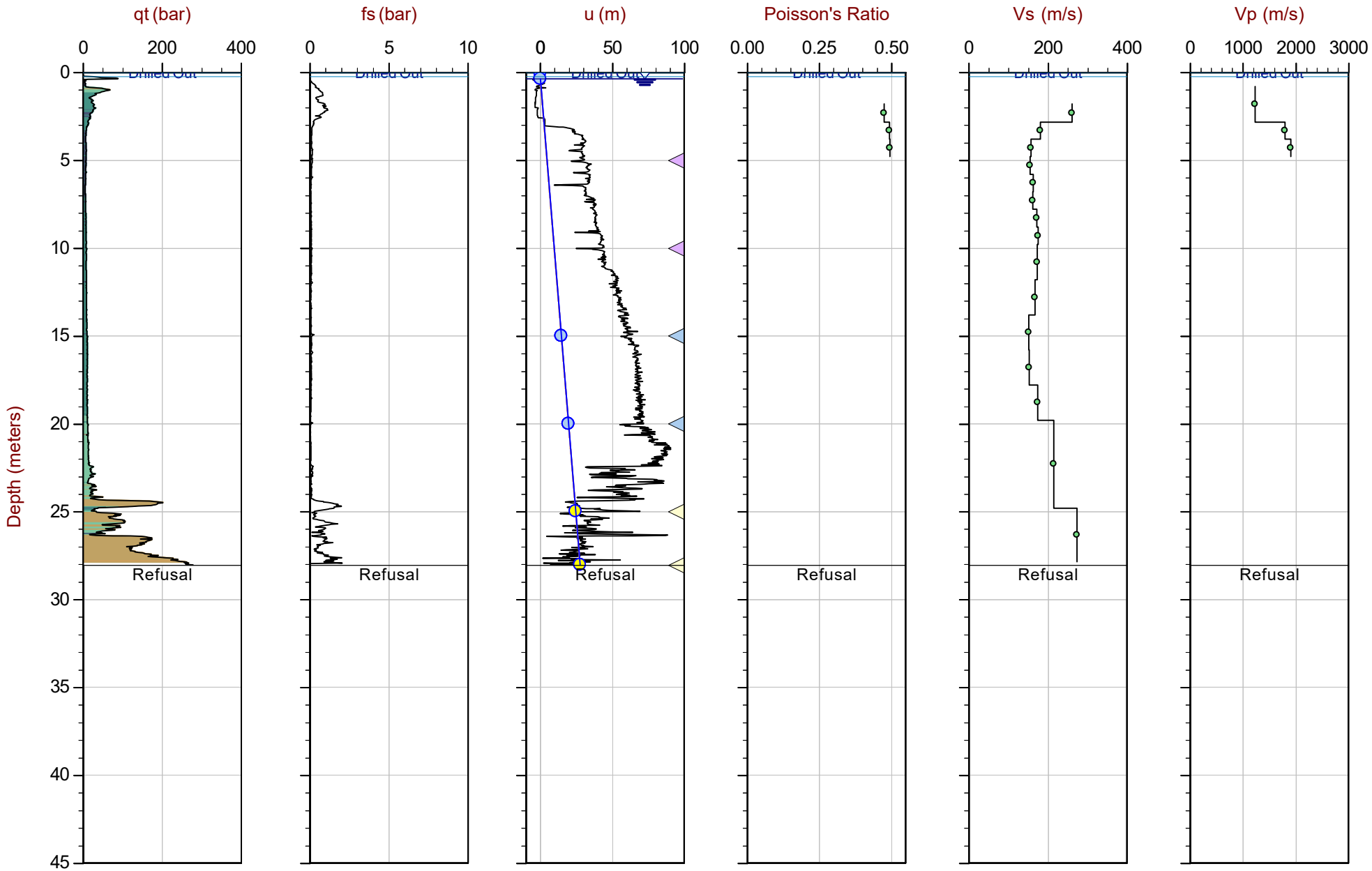
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-01 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35



Max Depth: 28.050 m / 92.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPHG03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408671m E: 471268m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

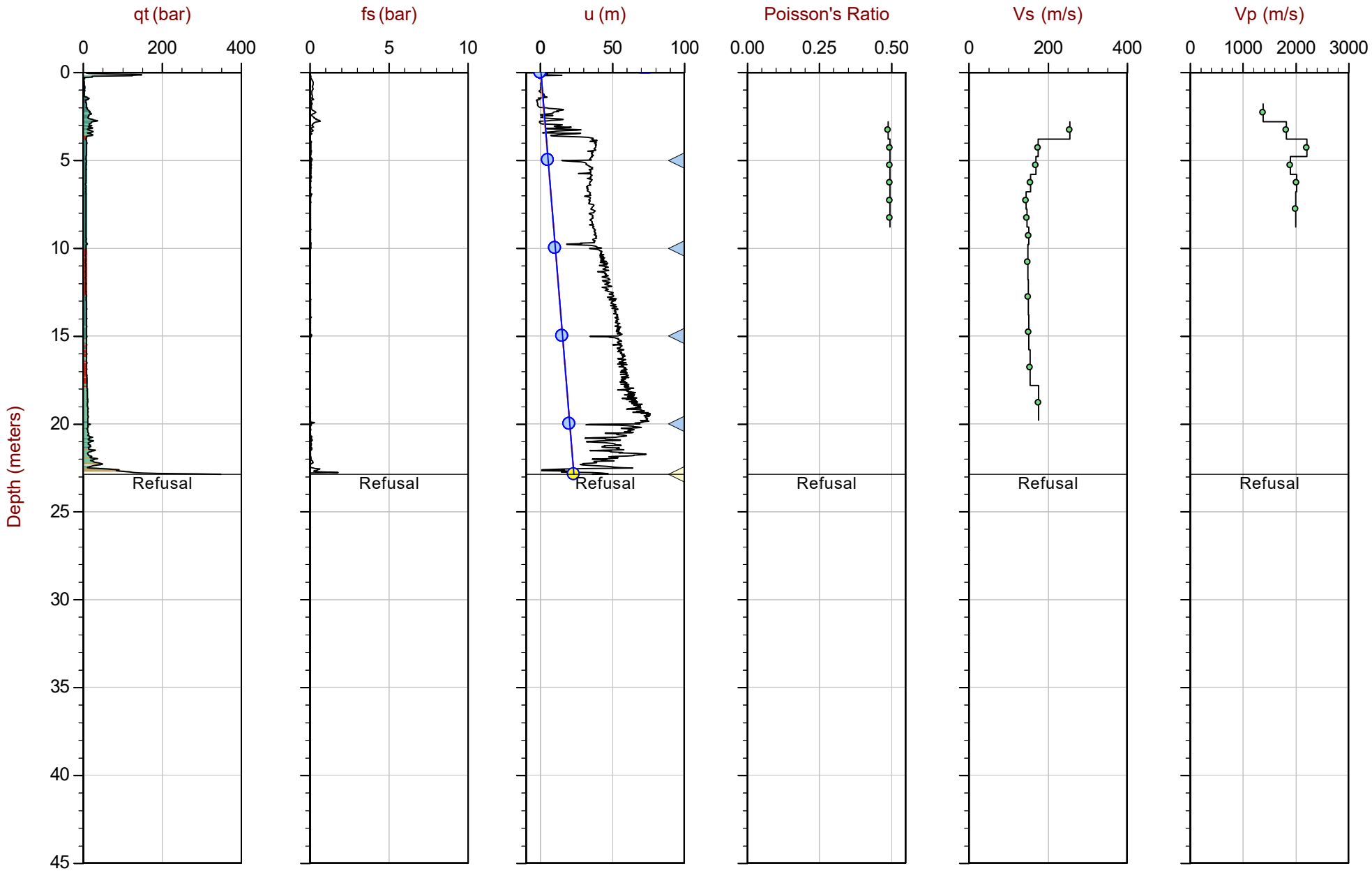
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-05 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35



Max Depth: 22.875 m / 75.05 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG01B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409698m E: 470922m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

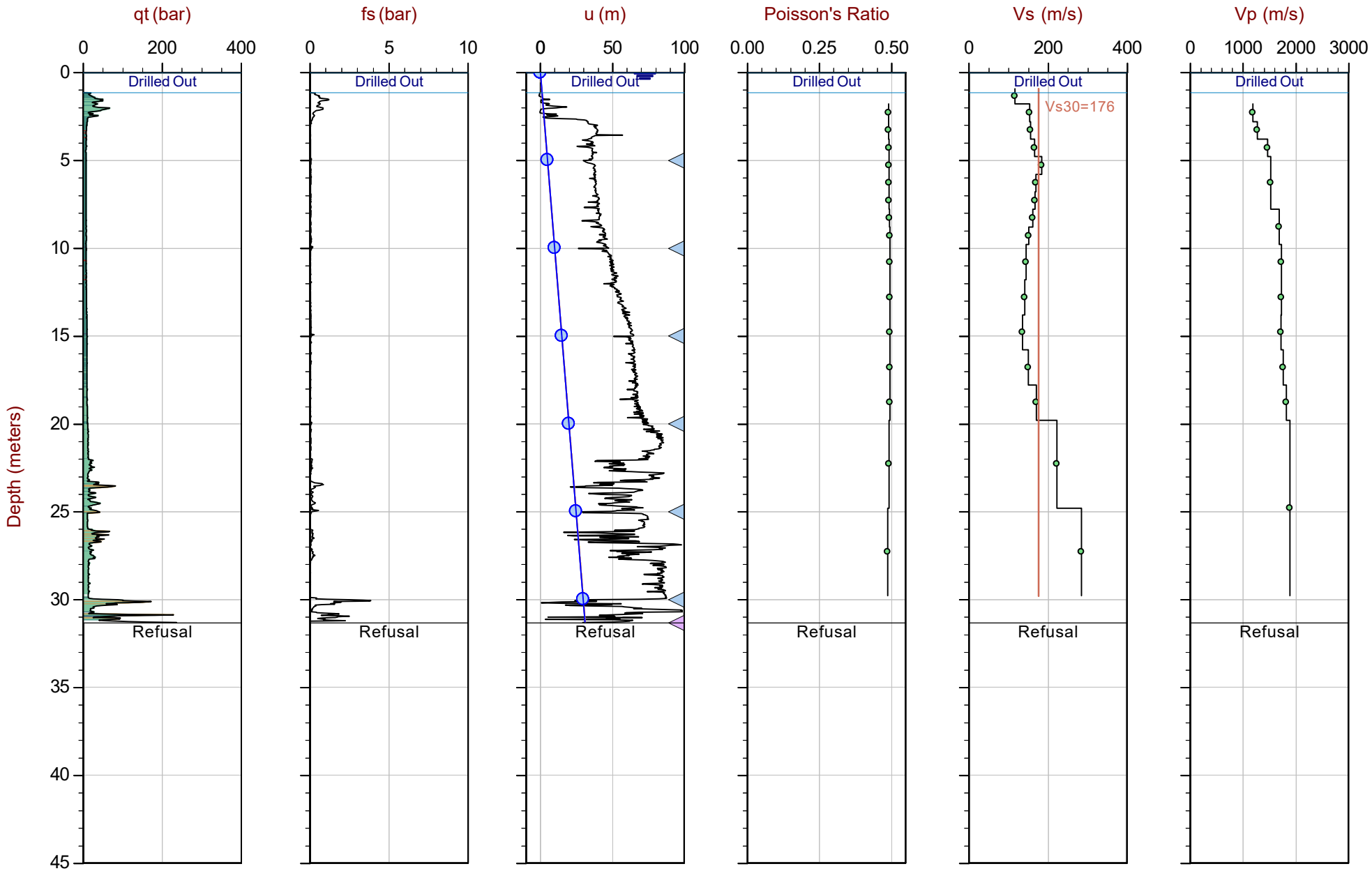
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-26 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35



Max Depth: 31.325 m / 102.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409965m E: 471545m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

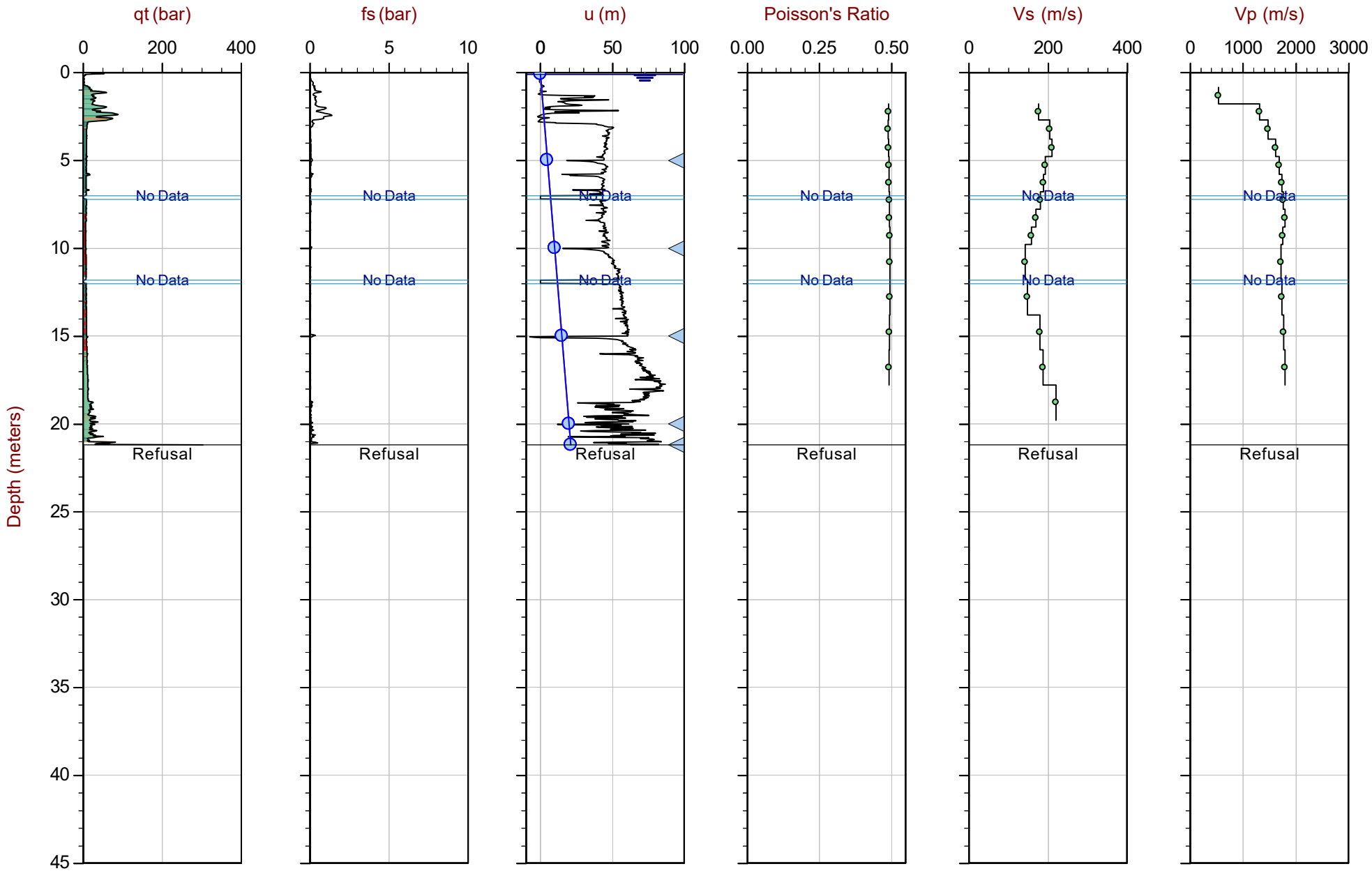
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-21 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35



Max Depth: 21.200 m / 69.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410683m E: 471895m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

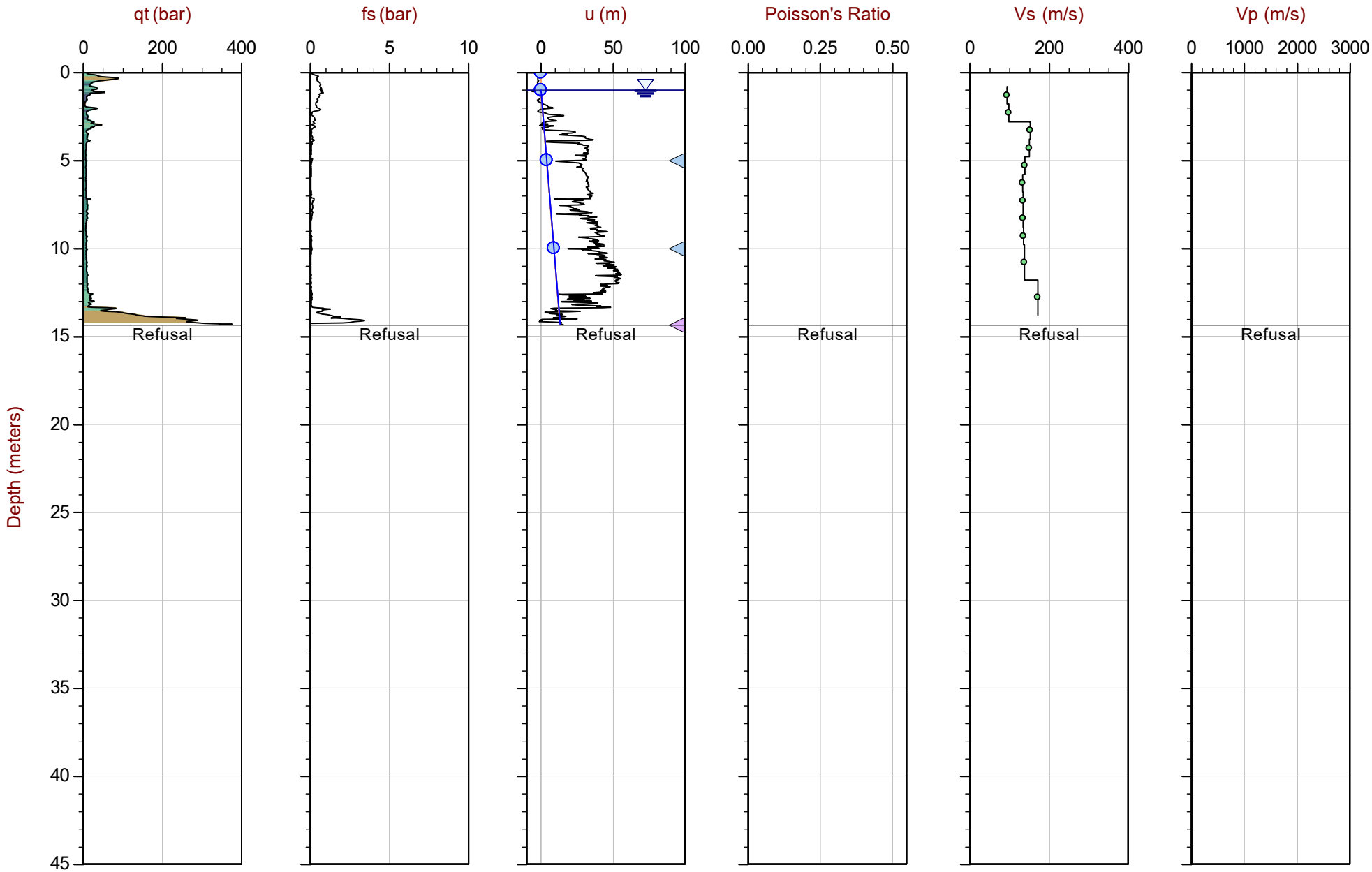
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-25 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35



Max Depth: 14.350 m / 47.08 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG05.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5411982m E: 470413m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

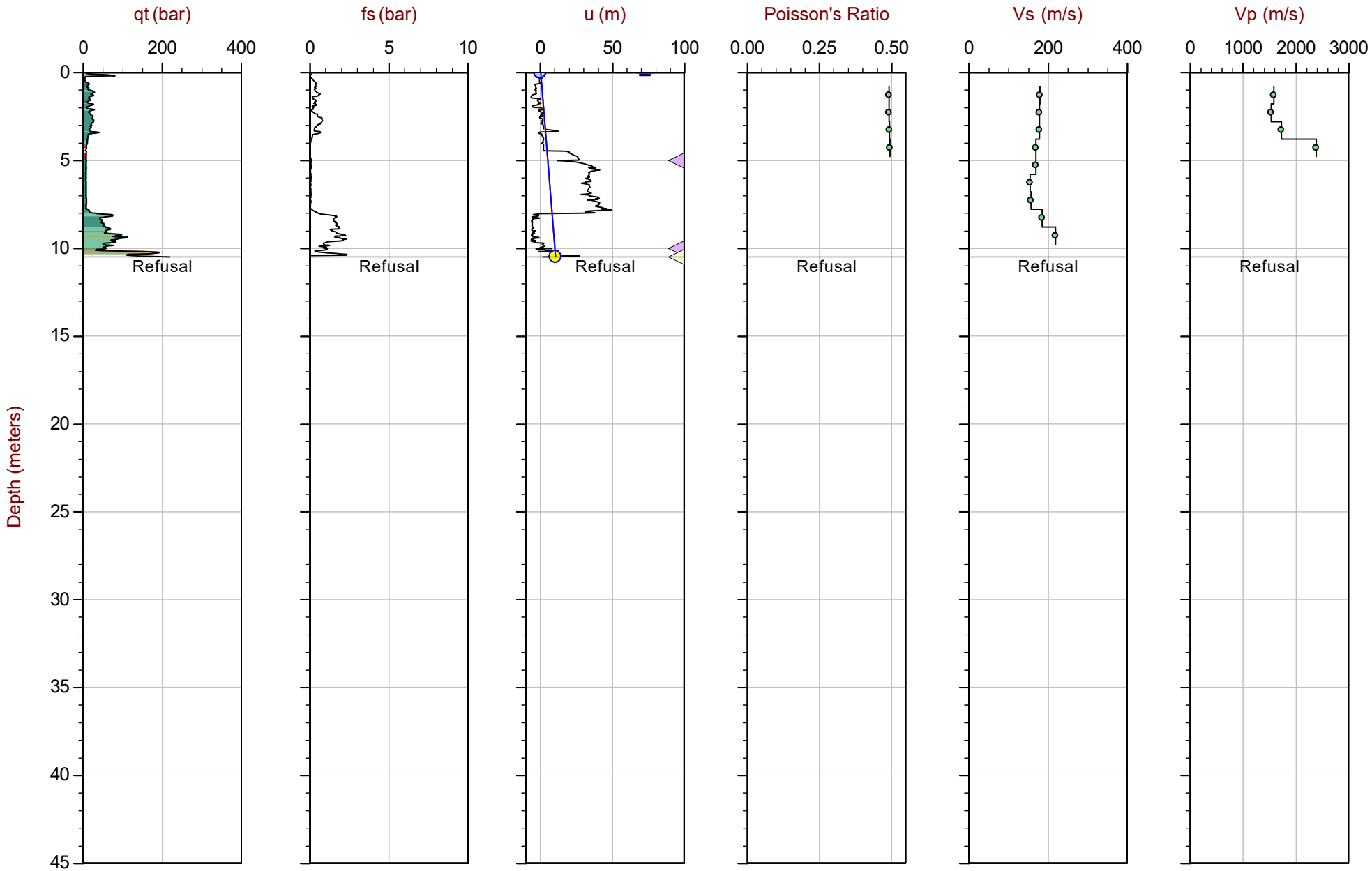
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-06 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35



Max Depth: 10.500 m / 34.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLG06.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5411216m E: 470955m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

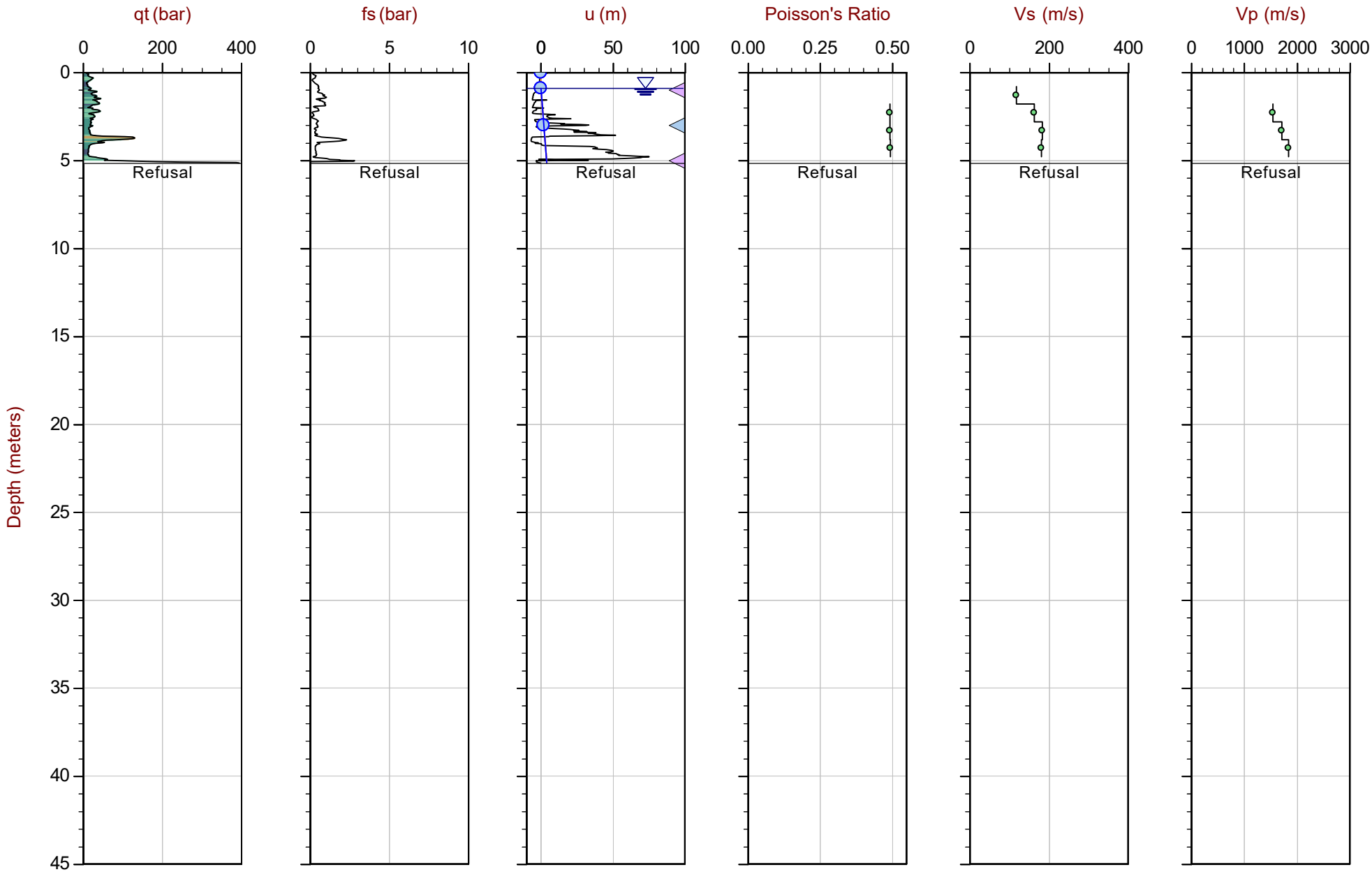
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-21 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35



Max Depth: 5.150 m / 16.90 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLGS01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412363m E: 471373m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

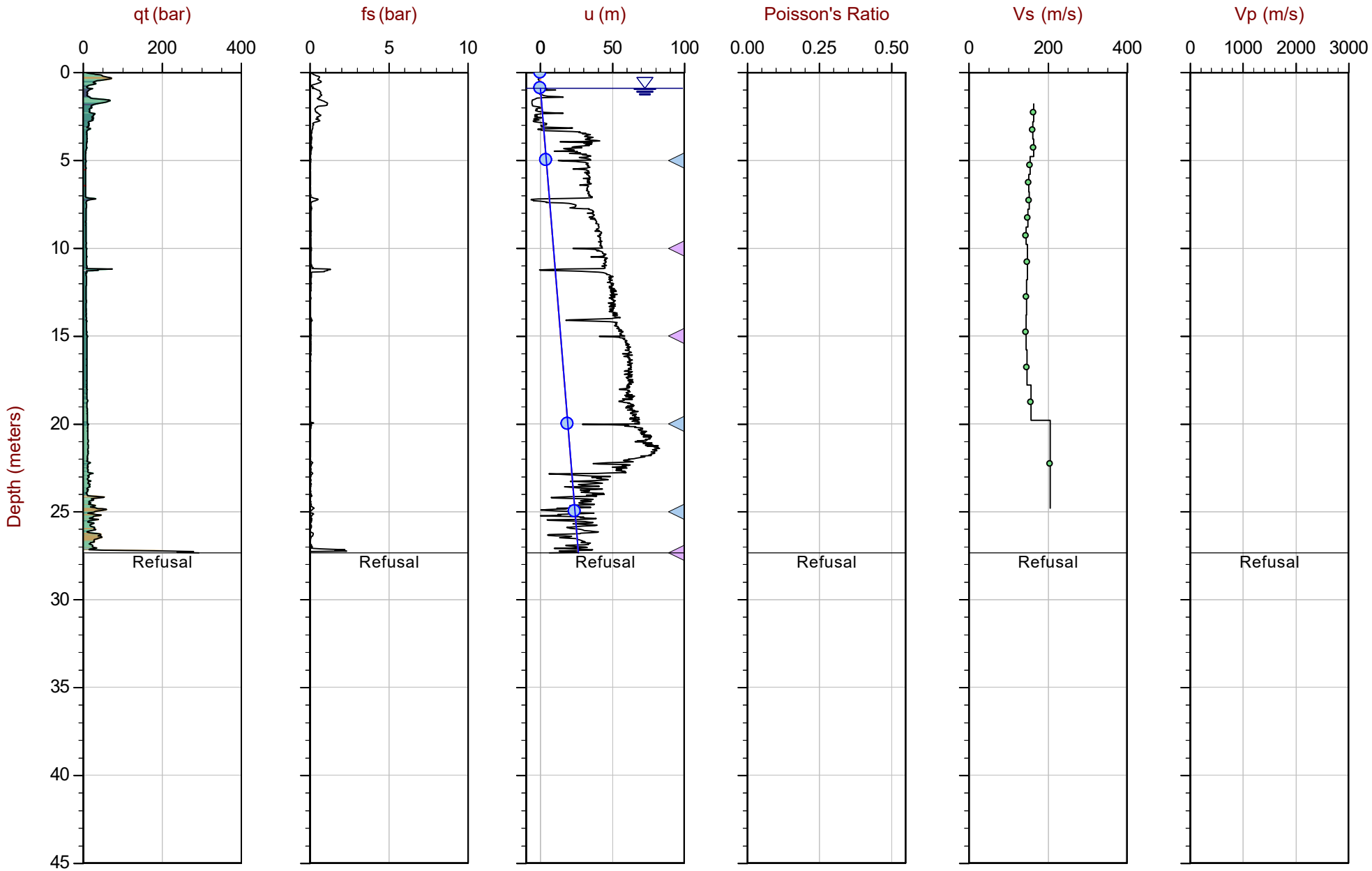
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-21 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35



Max Depth: 27.350 m / 89.73 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPLGS05.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410662m E: 470411m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

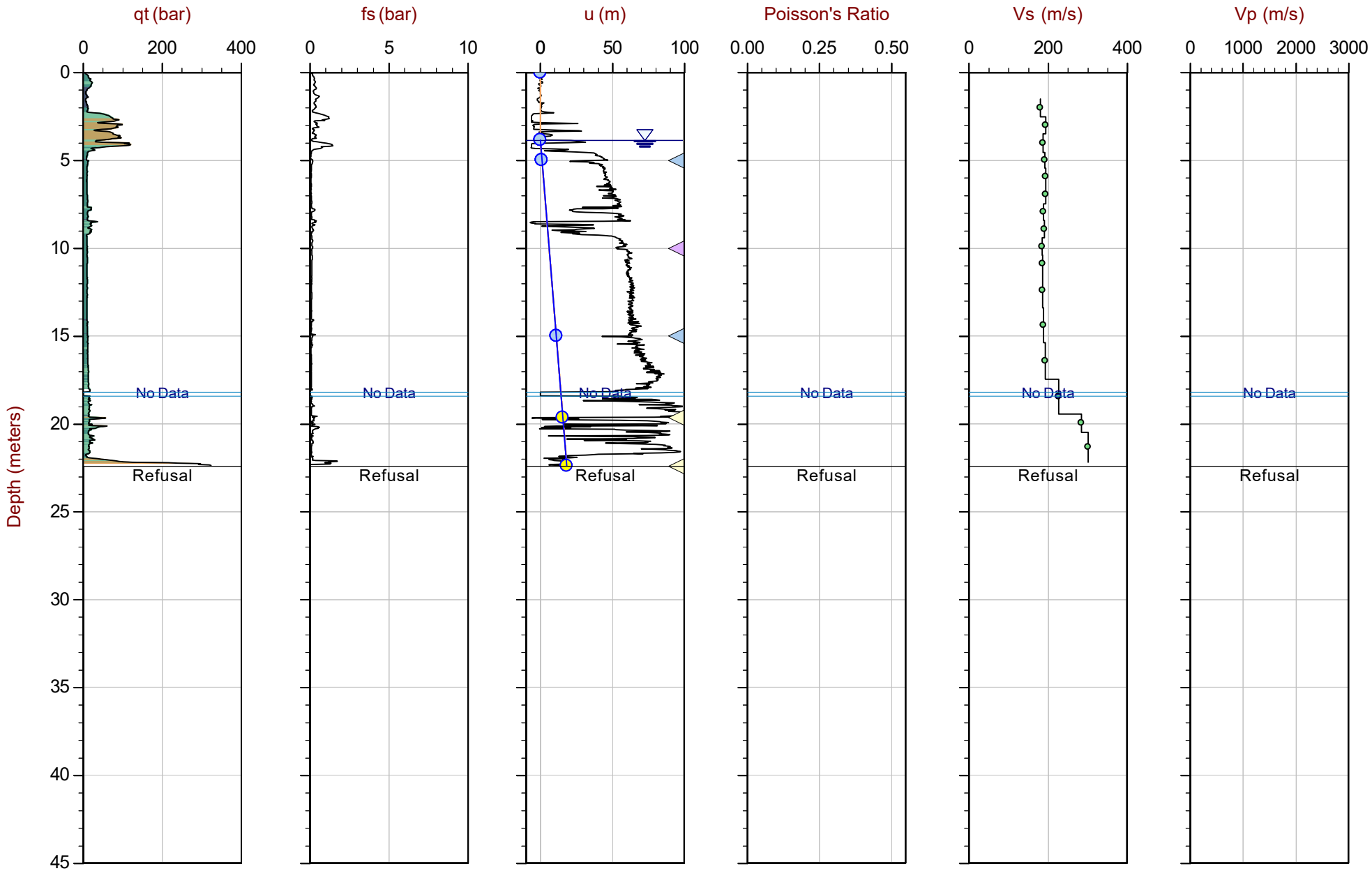
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-12 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35



Max Depth: 22.400 m / 73.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5411882m E: 472403m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

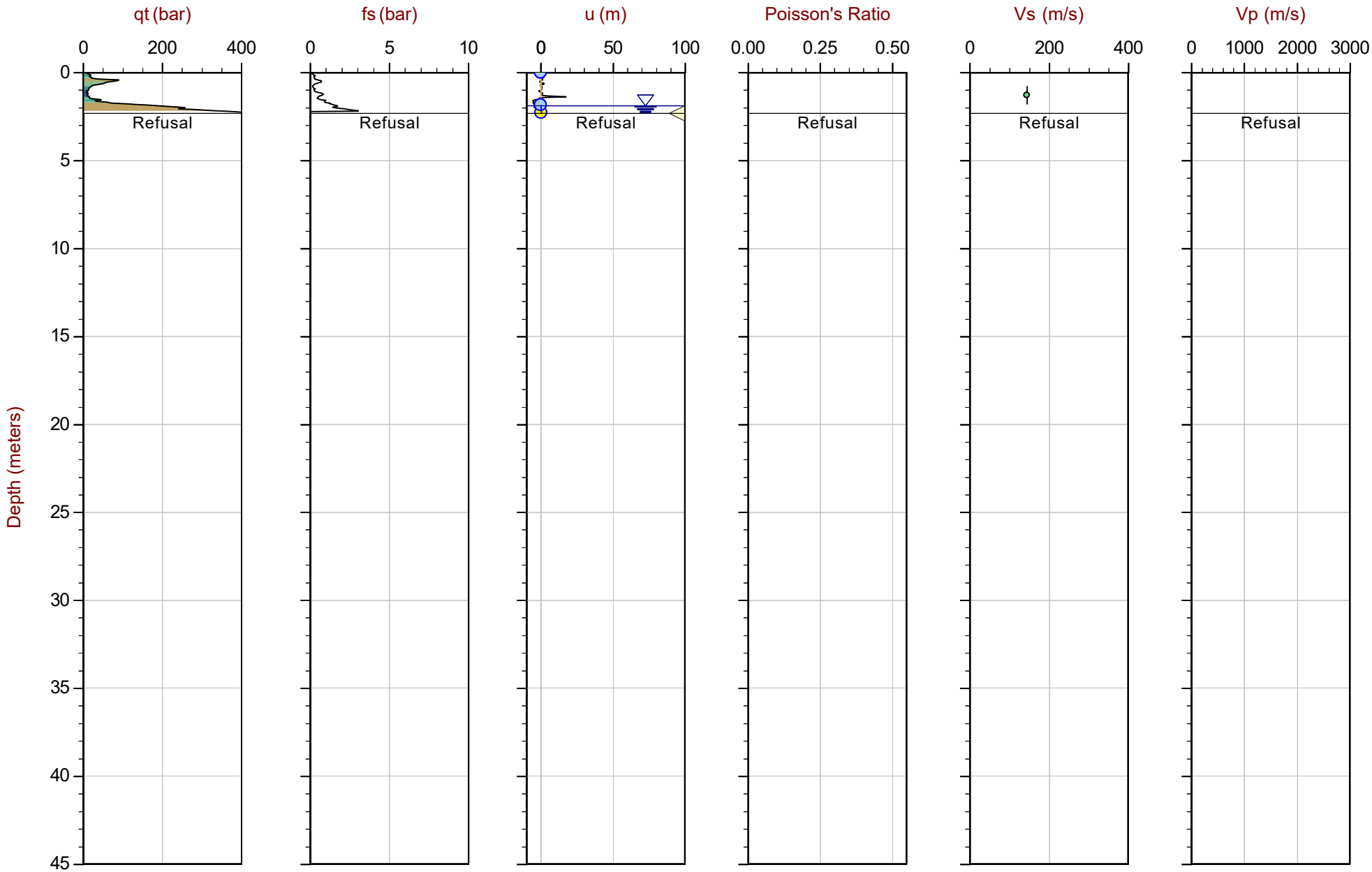
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-16 11:09
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07
Cone: 726:T1500F15U35



Max Depth: 2.300 m / 7.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR07.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412700m E: 472324m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

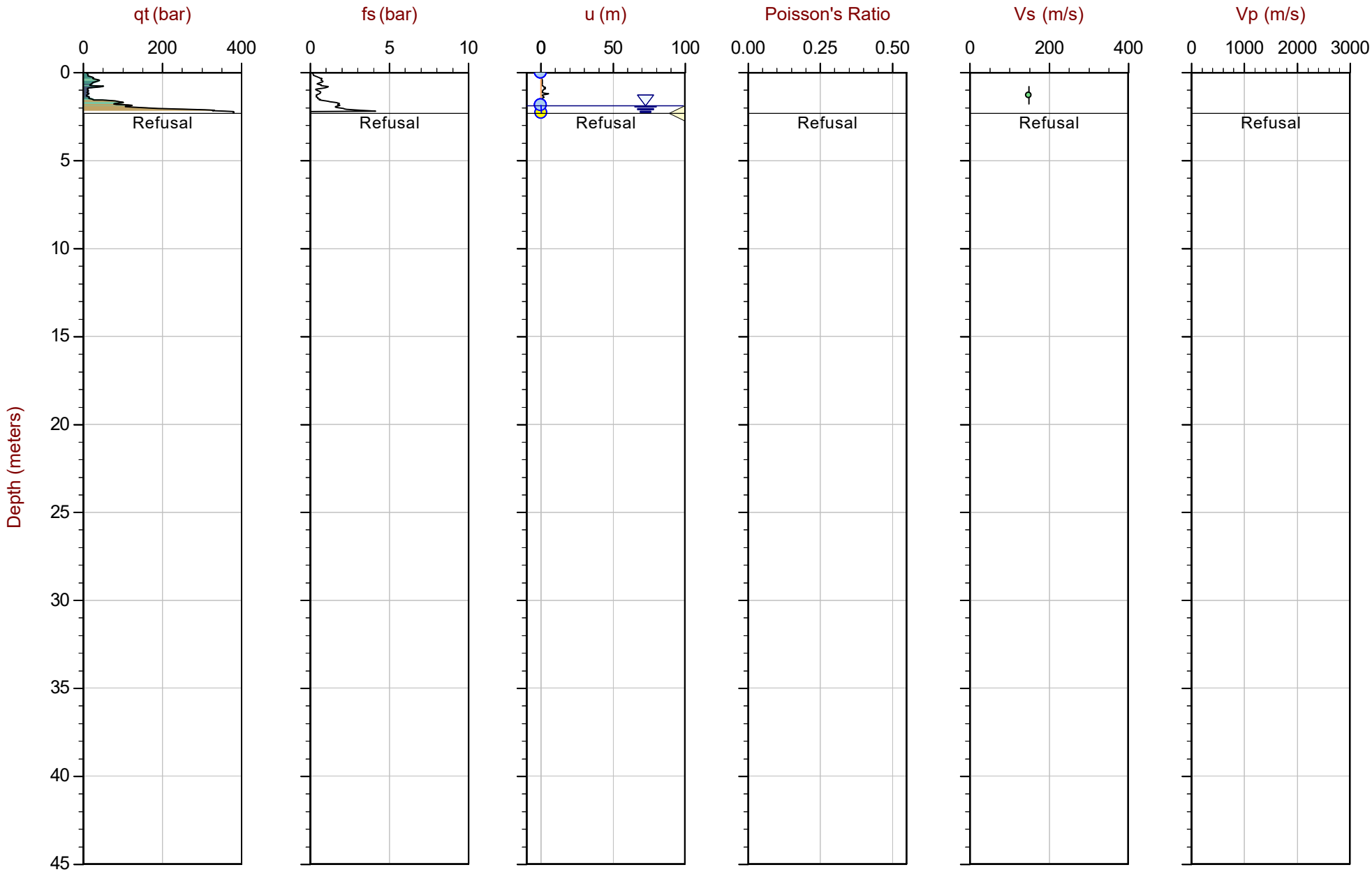
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-16 11:49
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07B
Cone: 726:T1500F15U35



Max Depth: 2.300 m / 7.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPNWR07B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412700m E: 472322m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

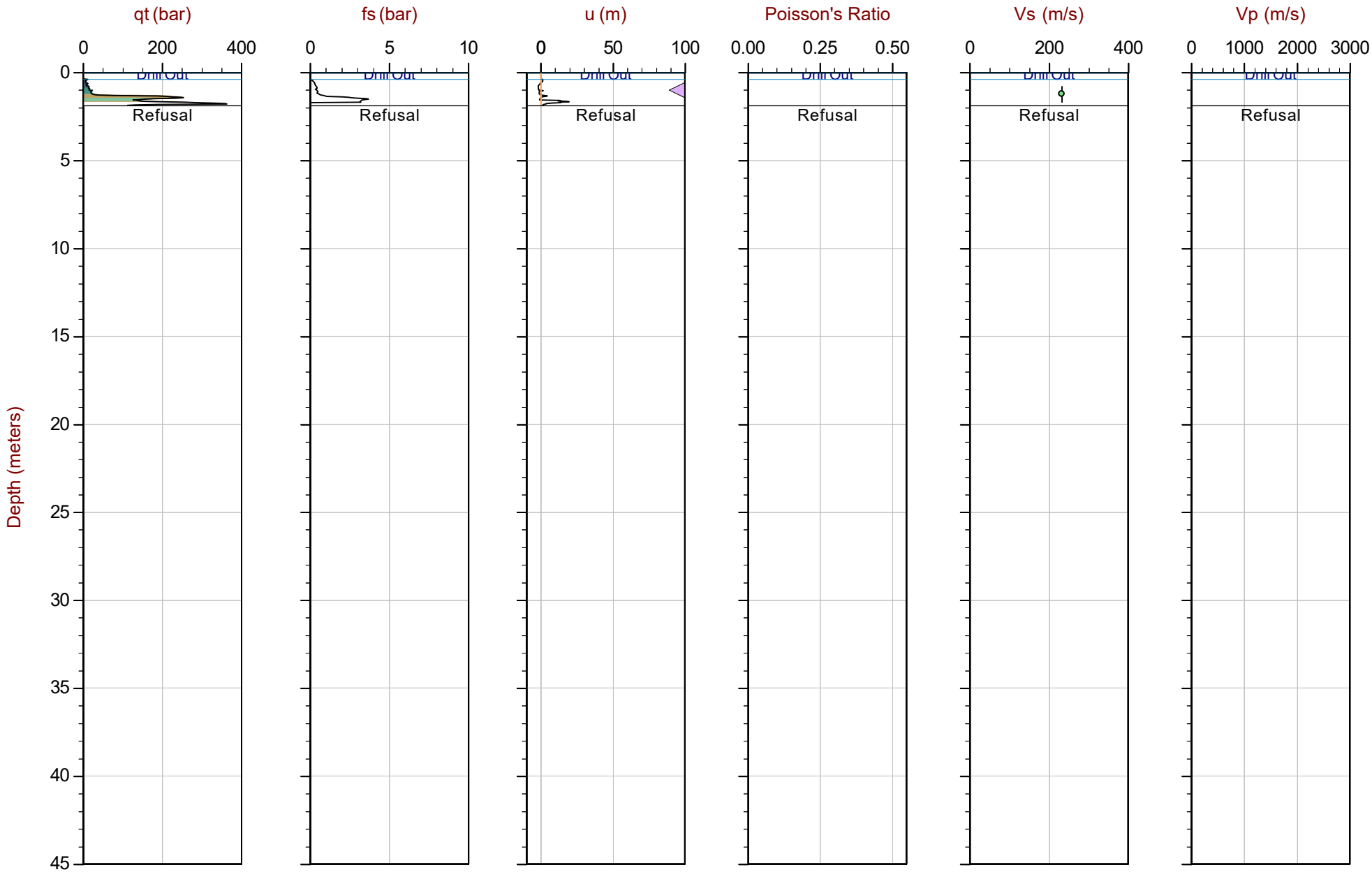
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 10:06
Site: Crawford Mine

Sounding: SRK-OP-CPT-01
Cone: 751:T1500F15U35



Max Depth: 1.875 m / 6.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410248m E: 473125m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

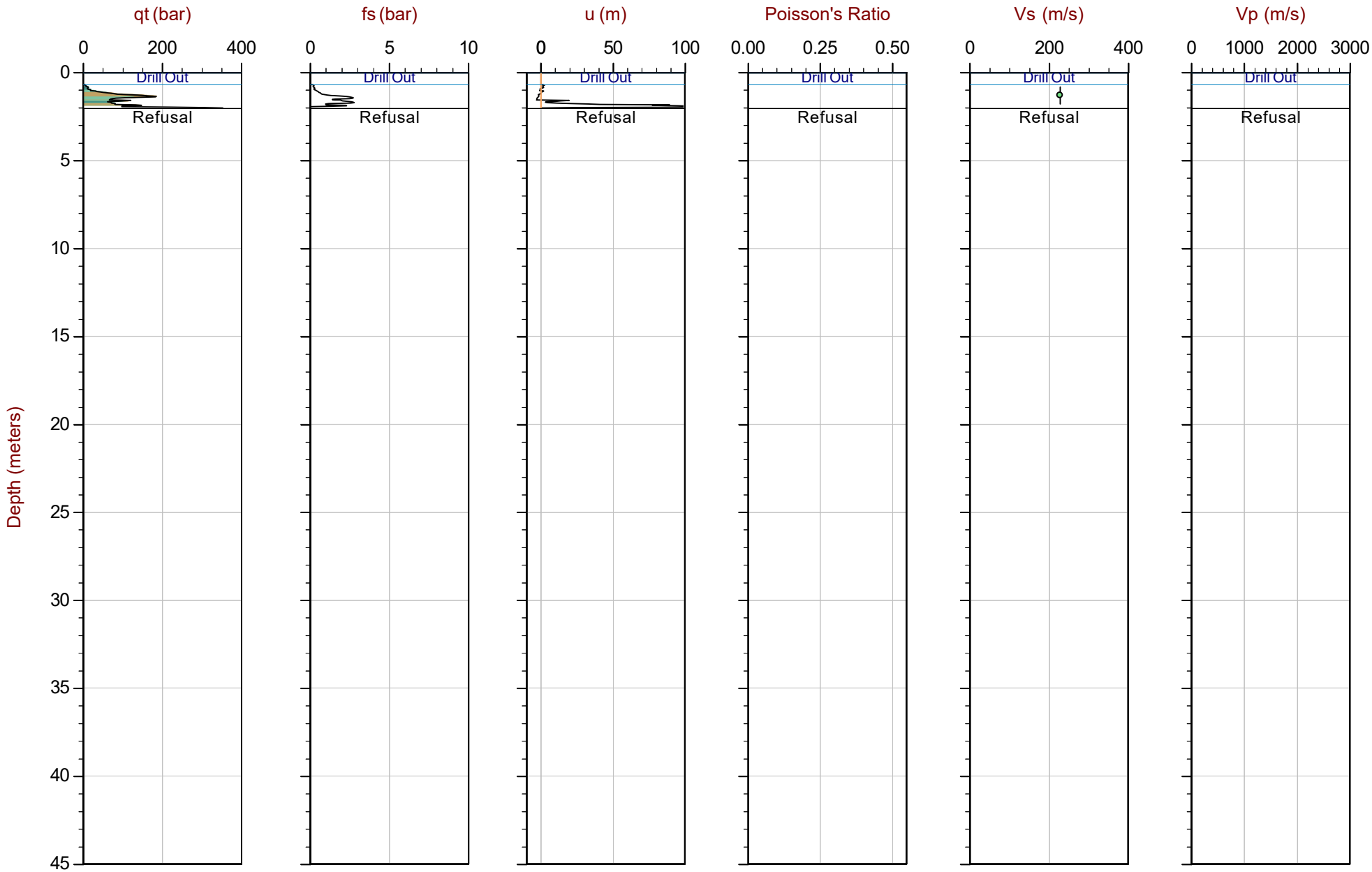
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 11:12
Site: Crawford Mine

Sounding: SRK-OP-CPT-01B
Cone: 751:T1500F15U35



Max Depth: 2.025 m / 6.64 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410247m E: 473125m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

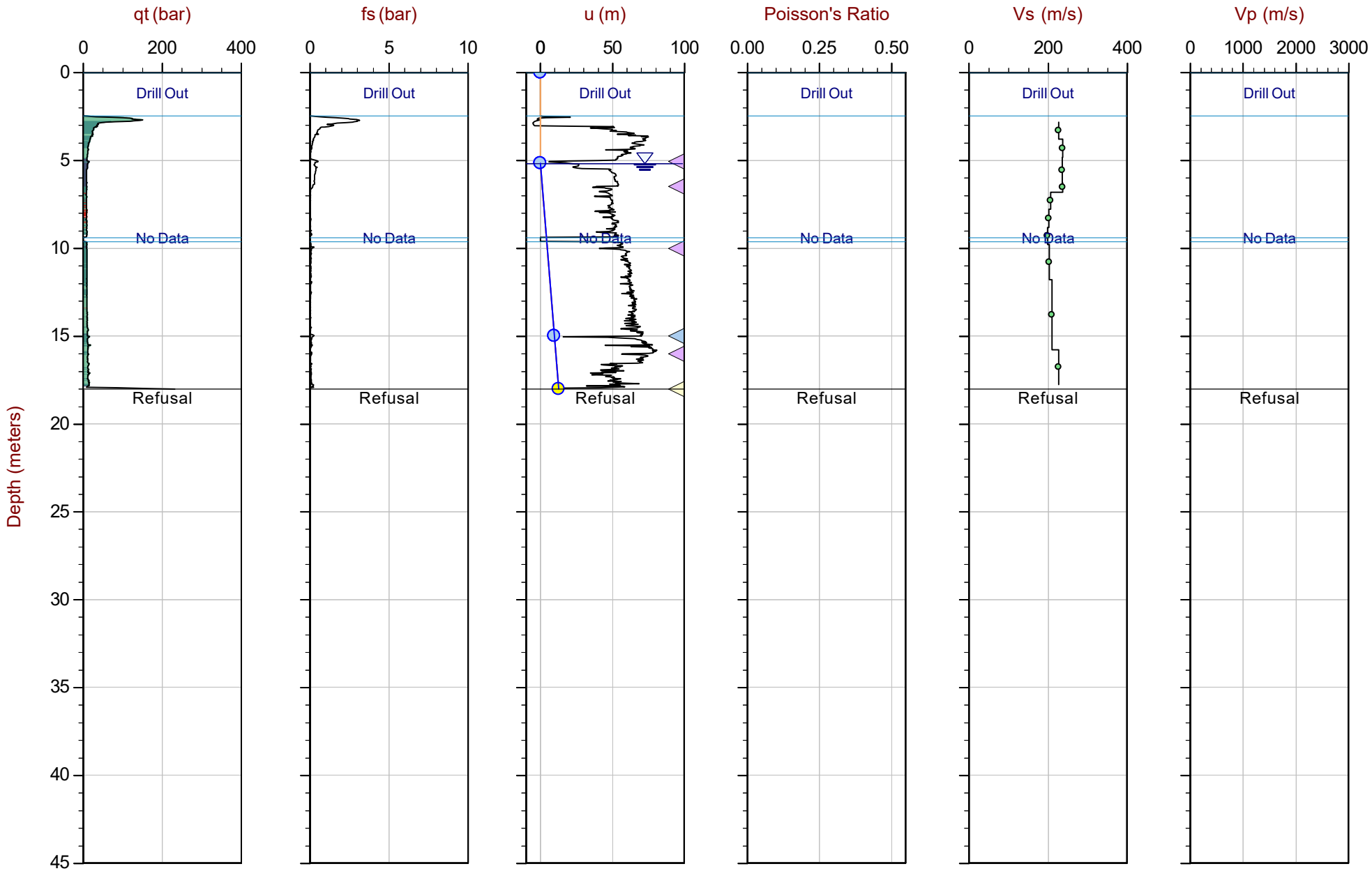
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-06 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35



Max Depth: 18.025 m / 59.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP01C.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410248m E: 473124m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

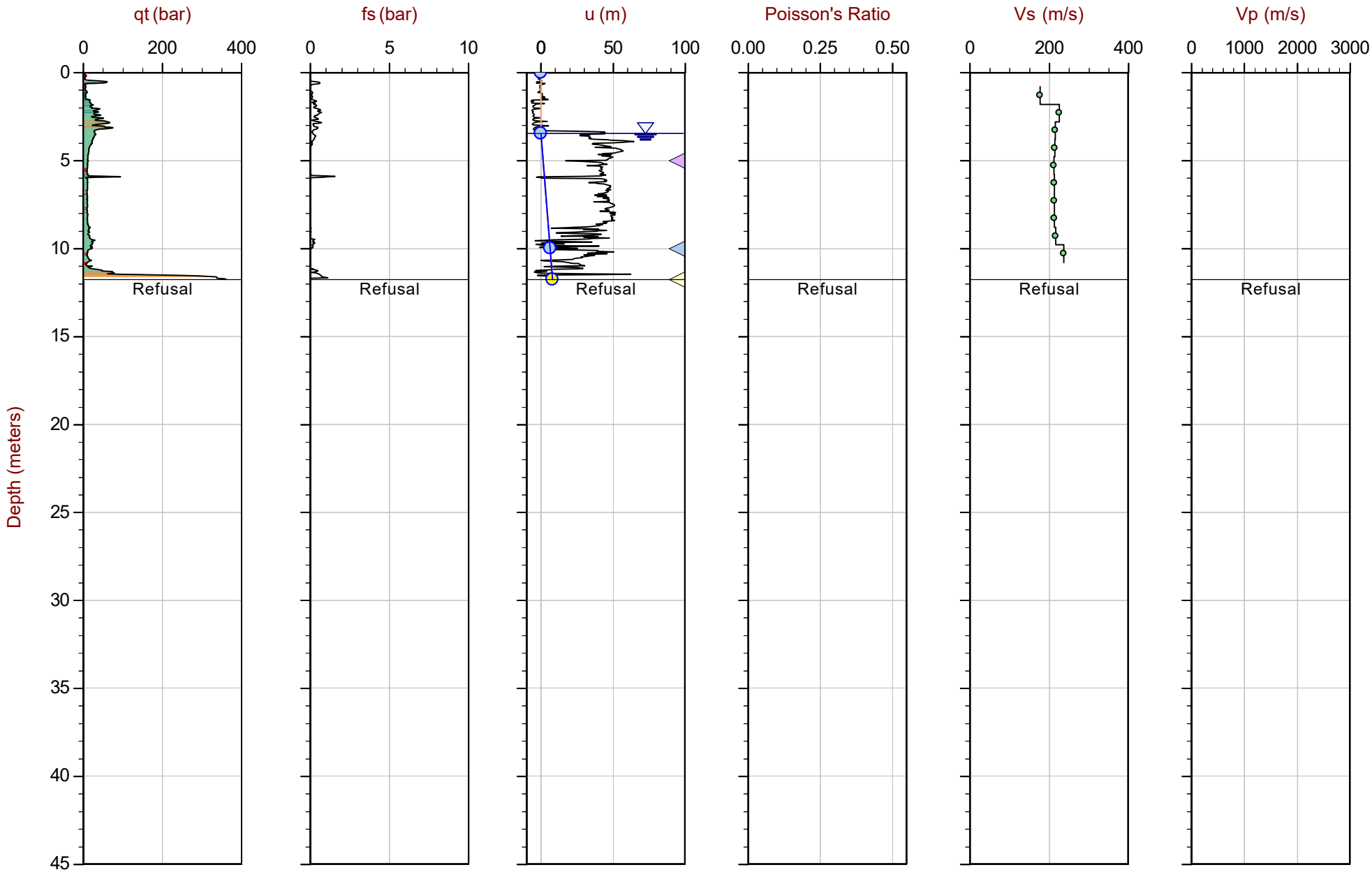
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-19 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35



Max Depth: 11.775 m / 38.63 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410196m E: 474519m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

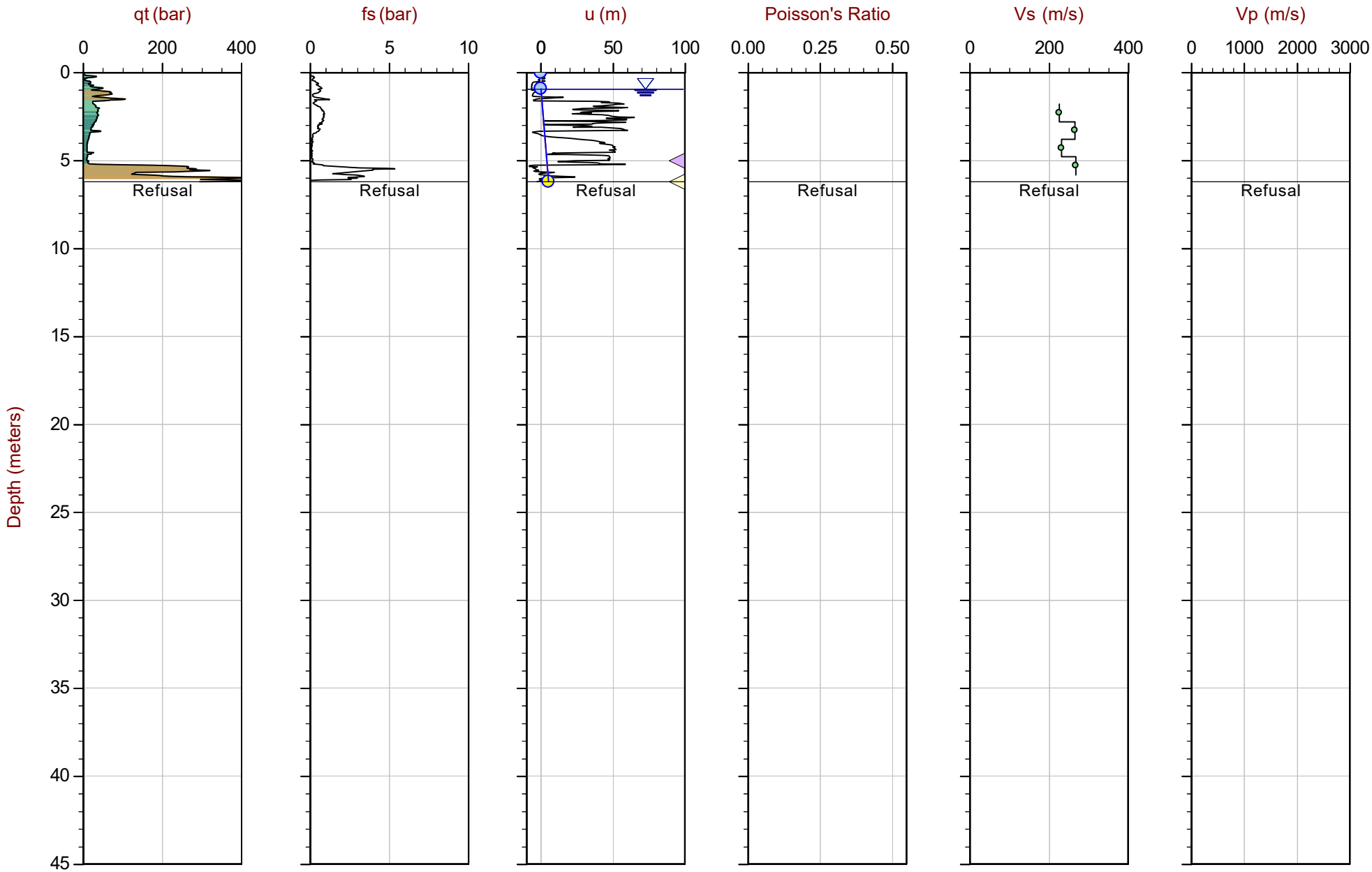
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-13 09:53
Site: Crawford Mine

Sounding: SRK-OP-CPT-05B
Cone: 726:T1500F15U35



Max Depth: 6.200 m / 20.34 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP05B.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408406m E: 474640m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

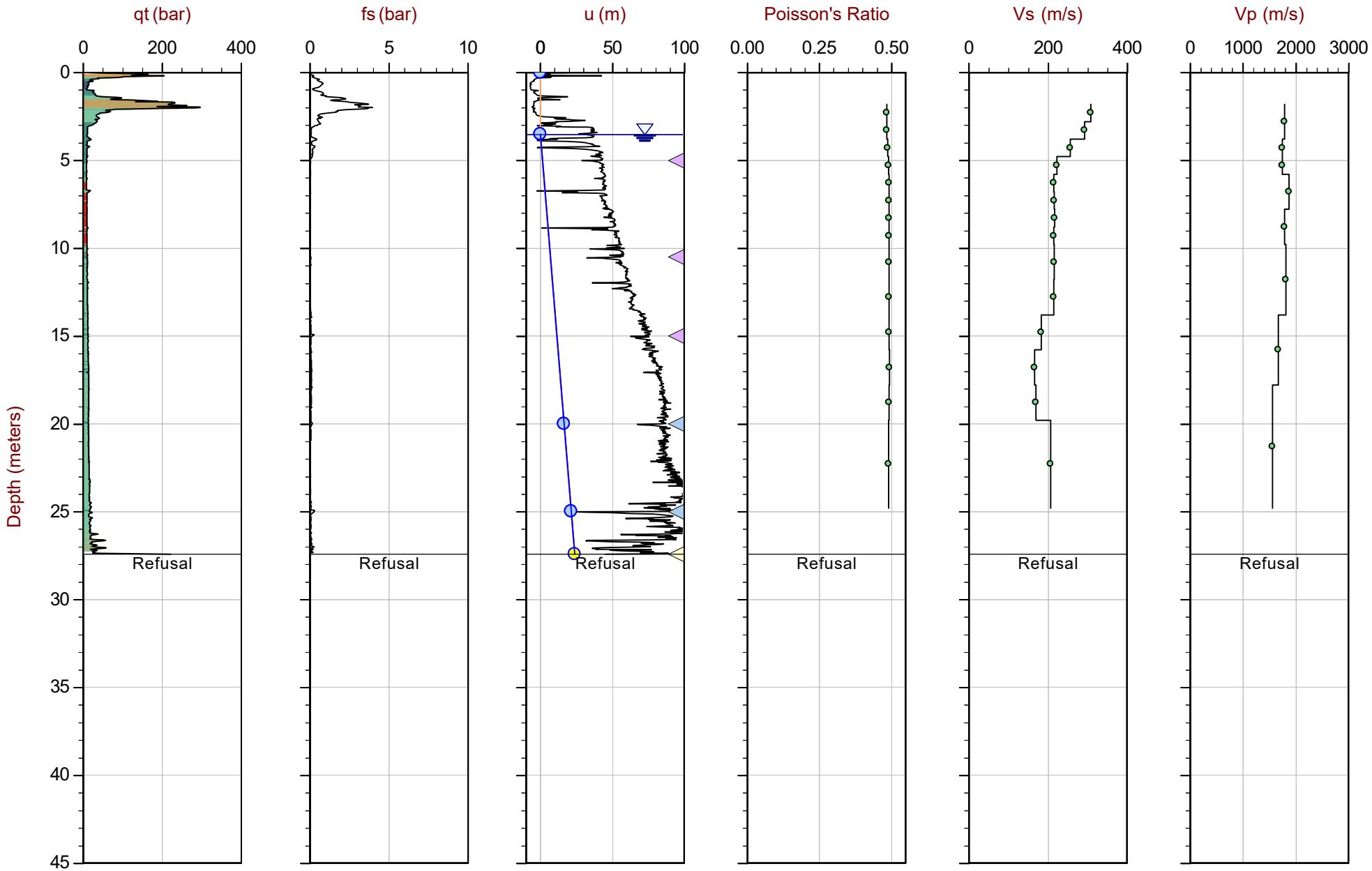
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-07 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35



Max Depth: 27.425 m / 89.98 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP06.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407893m E: 474048m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

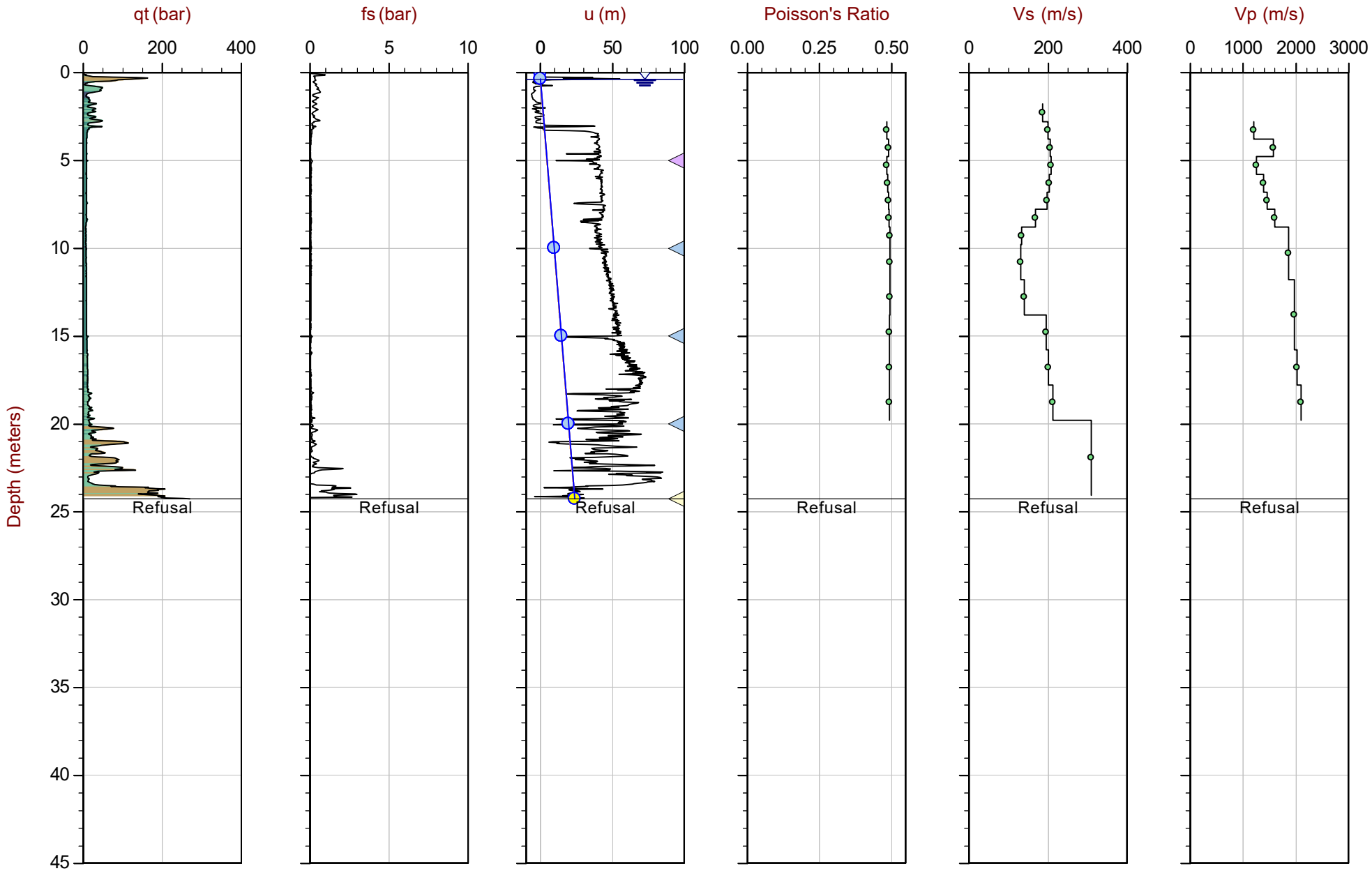
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-23 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35



Max Depth: 24.275 m / 79.64 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP08.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408030m E: 472336m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

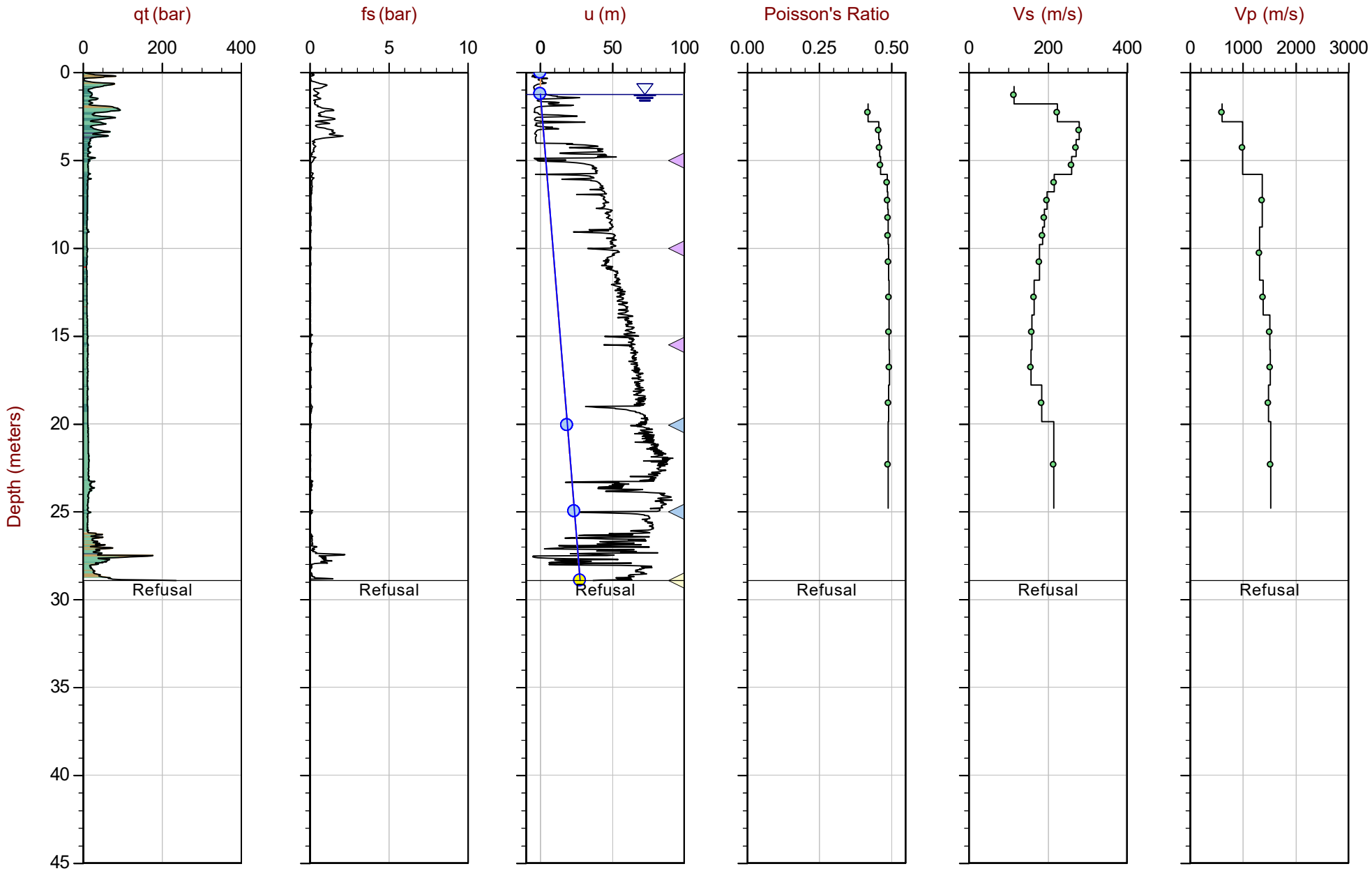
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-18 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35



Max Depth: 28.925 m / 94.90 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP09.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409526m E: 472192m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

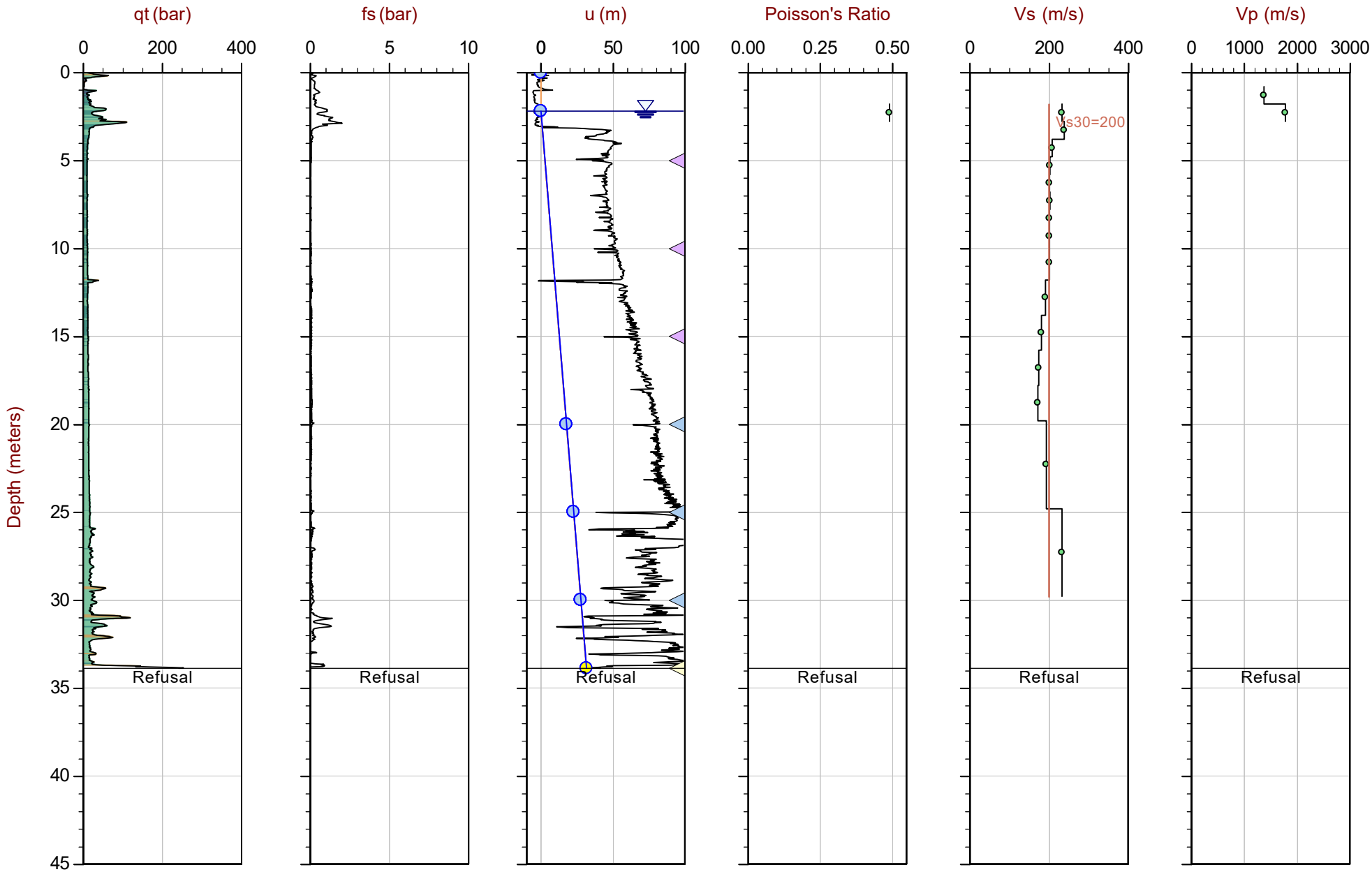
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-21 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35



Max Depth: 33.875 m / 111.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP12.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408932m E: 472473m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

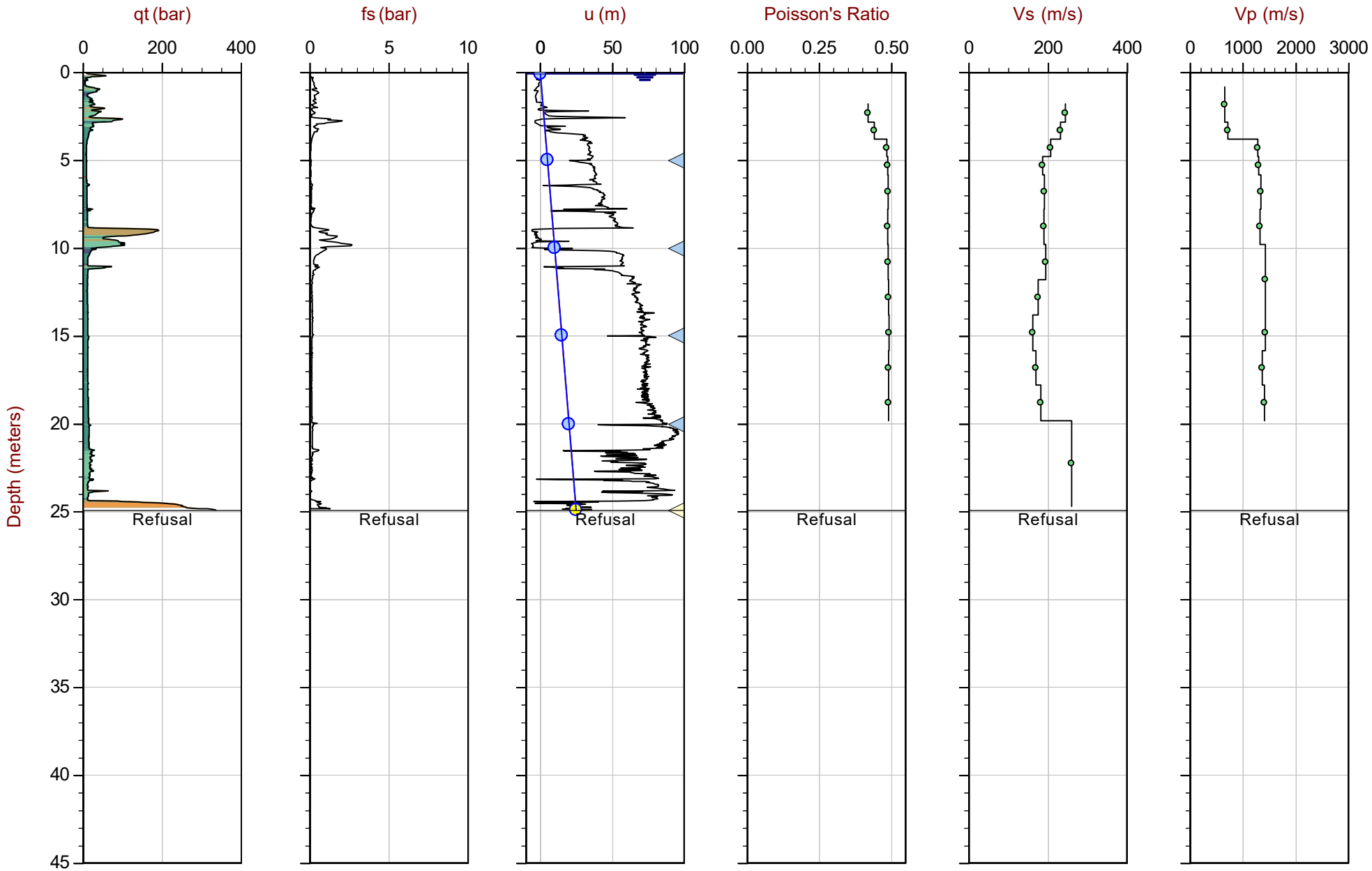
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-20 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35



Max Depth: 24.925 m / 81.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SP16.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410337m E: 471939m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

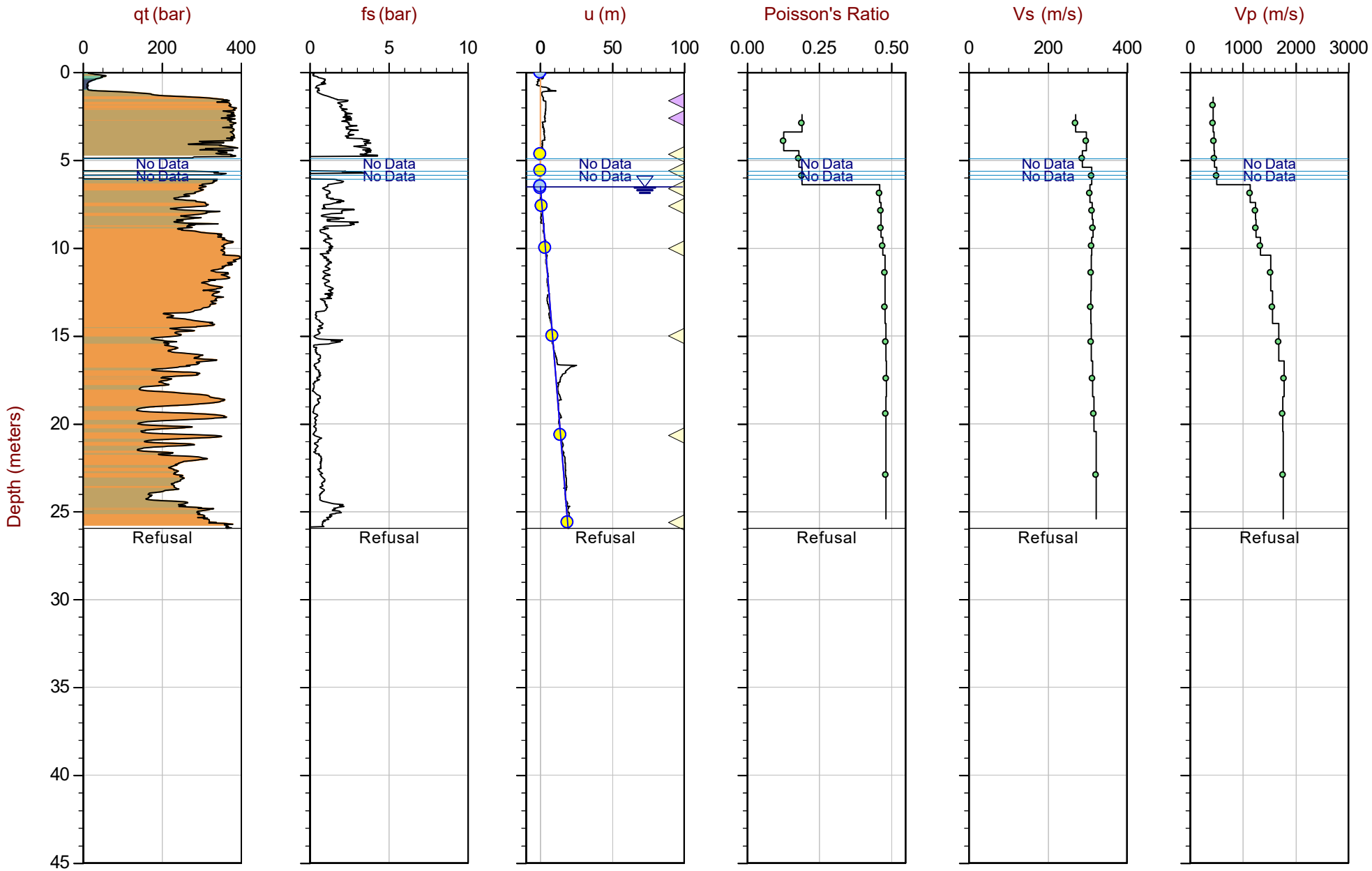
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-12 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35
728:T1500F15U35



Max Depth: 25.950 m / 85.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408142m E: 470434m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

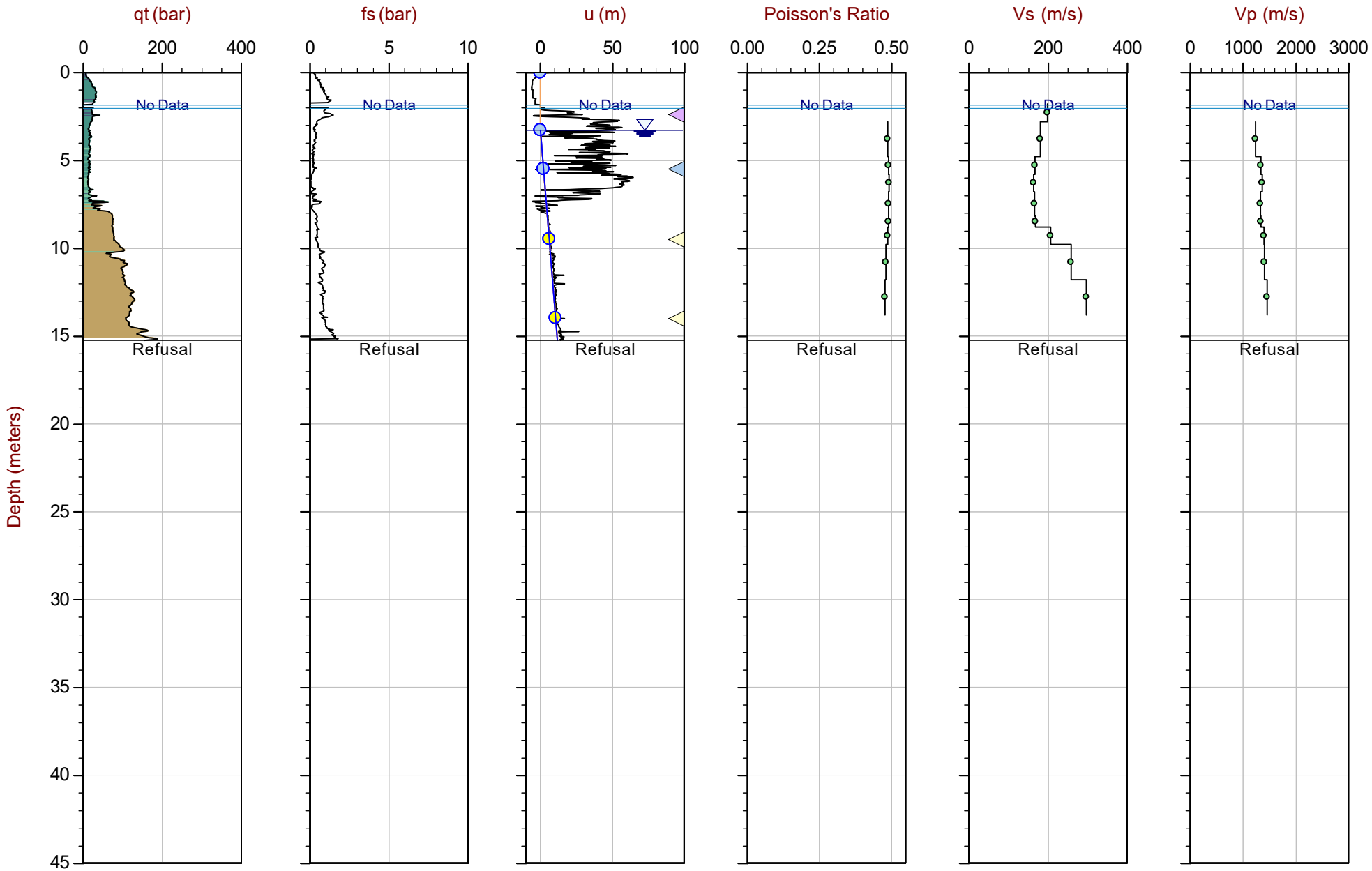
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-15 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35



Max Depth: 15.250 m / 50.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407776m E: 470629m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

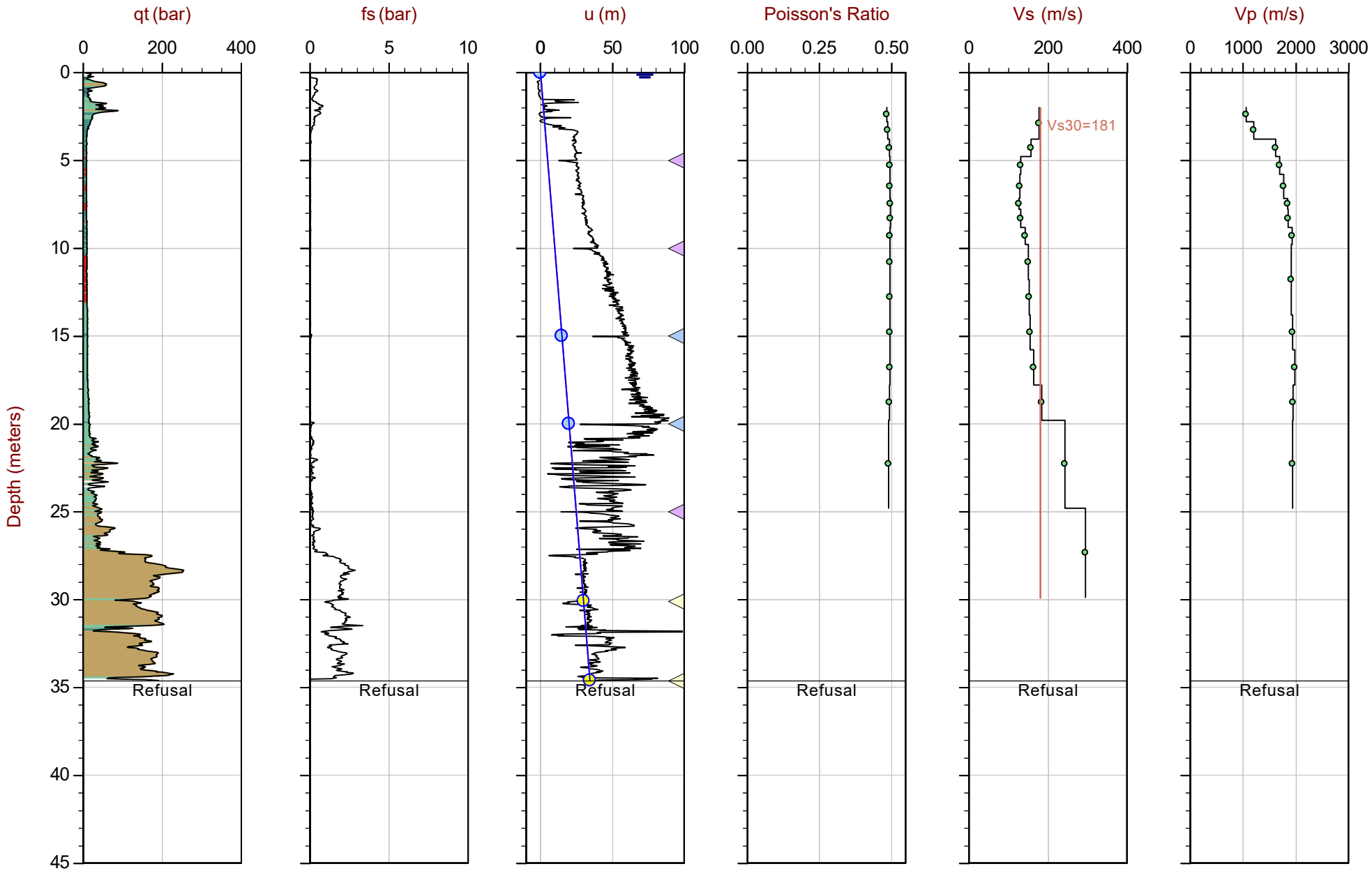
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-04 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35



Max Depth: 34.625 m / 113.60 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409119m E: 470714m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

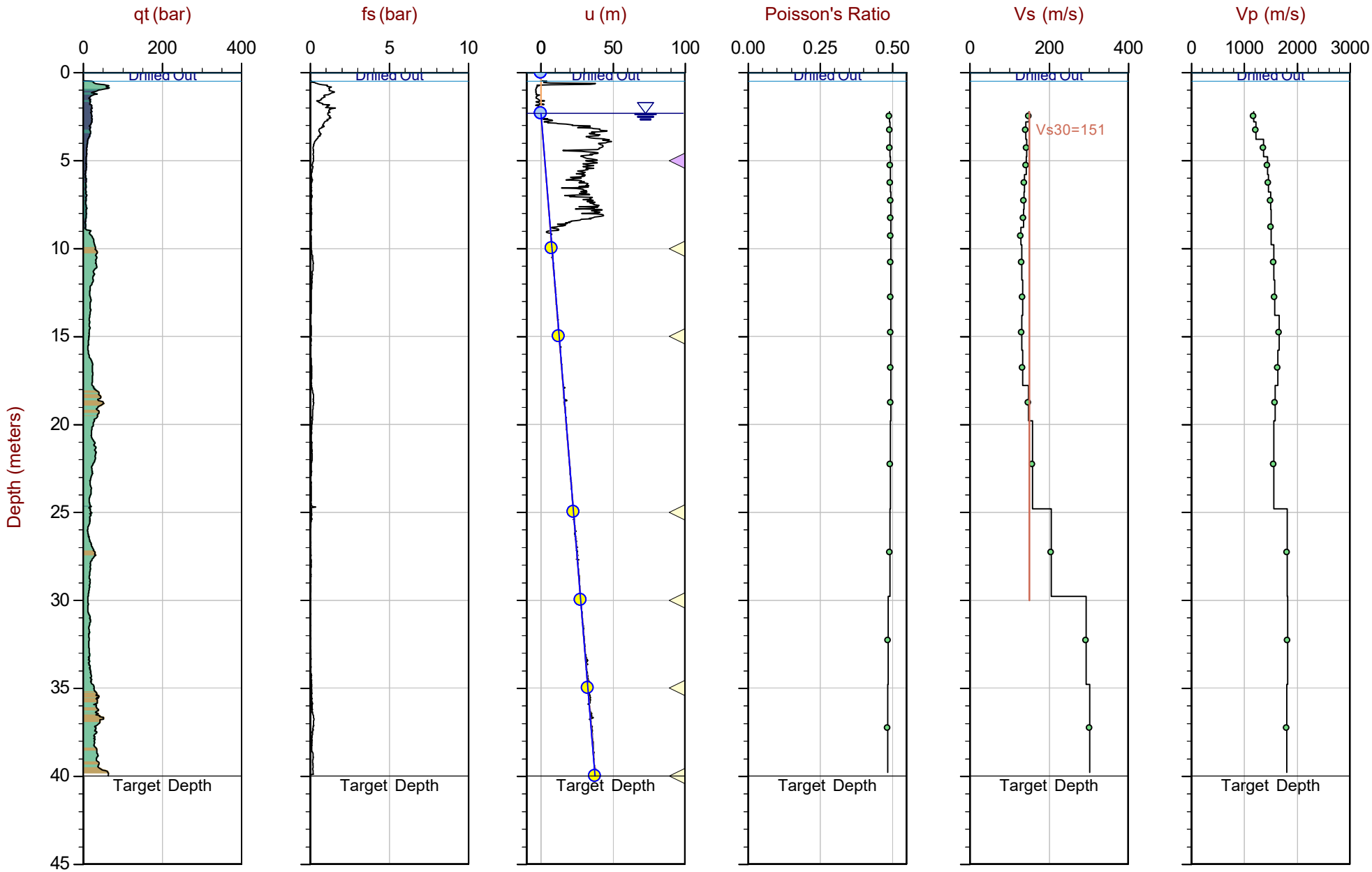
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-13 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35



Max Depth: 40.000 m / 131.23 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPPF04.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409119m E: 469800m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

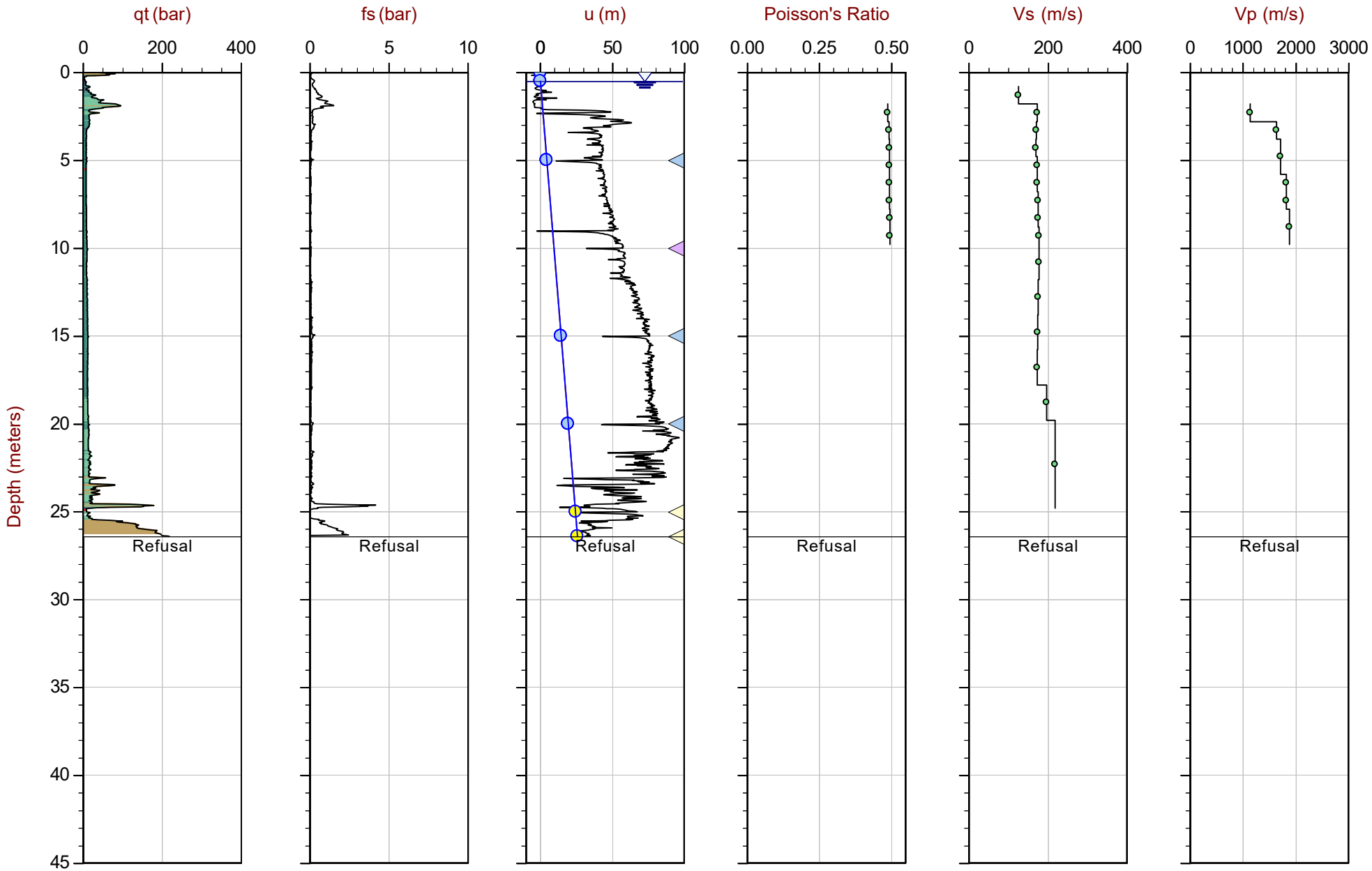
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-12 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35



Max Depth: 26.425 m / 86.70 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPSOS02.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5407602m E: 473543m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

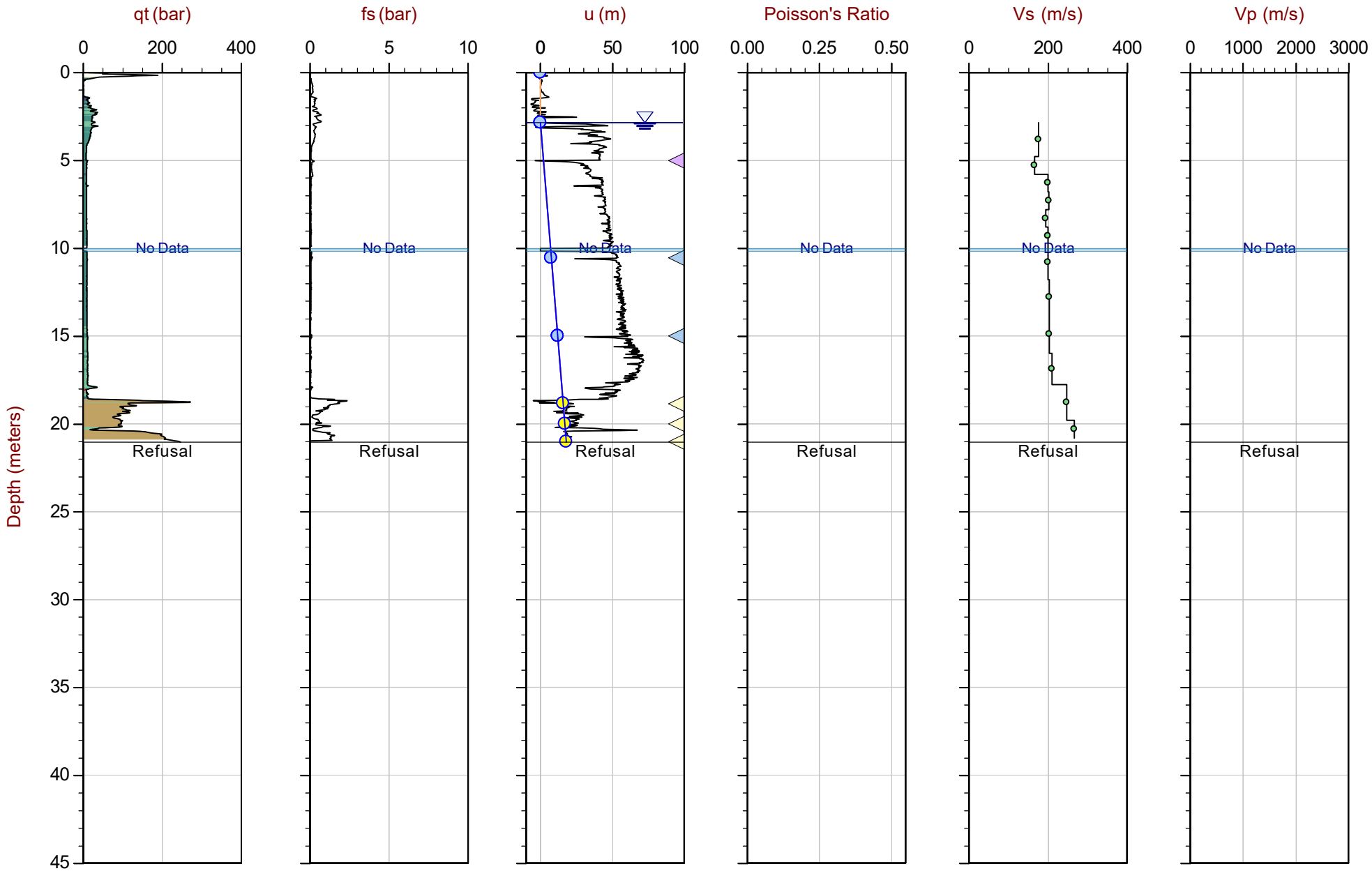
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-17 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35



Max Depth: 21.050 m / 69.06 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409898m E: 475833m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

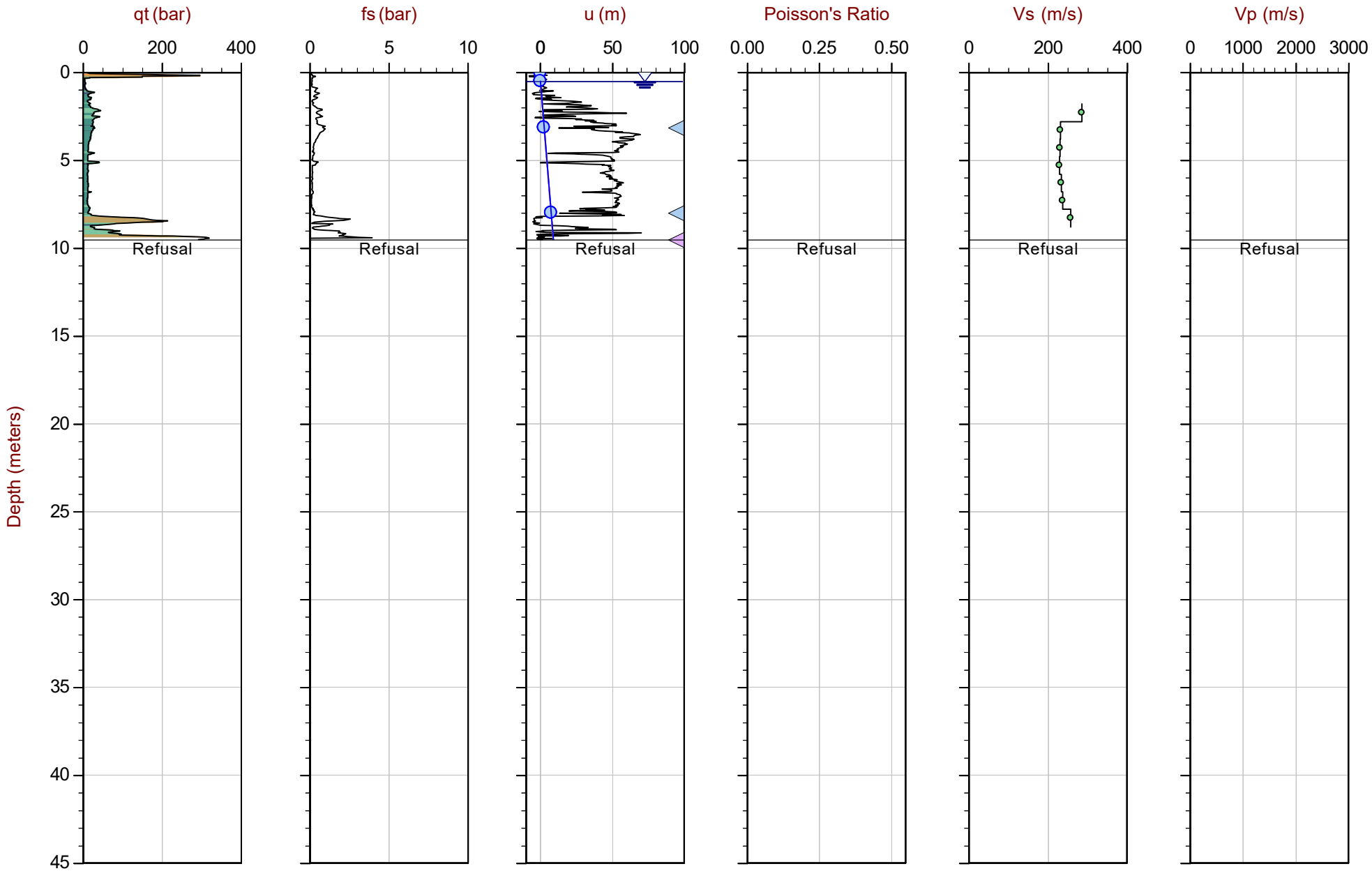
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-19 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35



Max Depth: 9.525 m / 31.25 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF01A.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408892m E: 475514m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

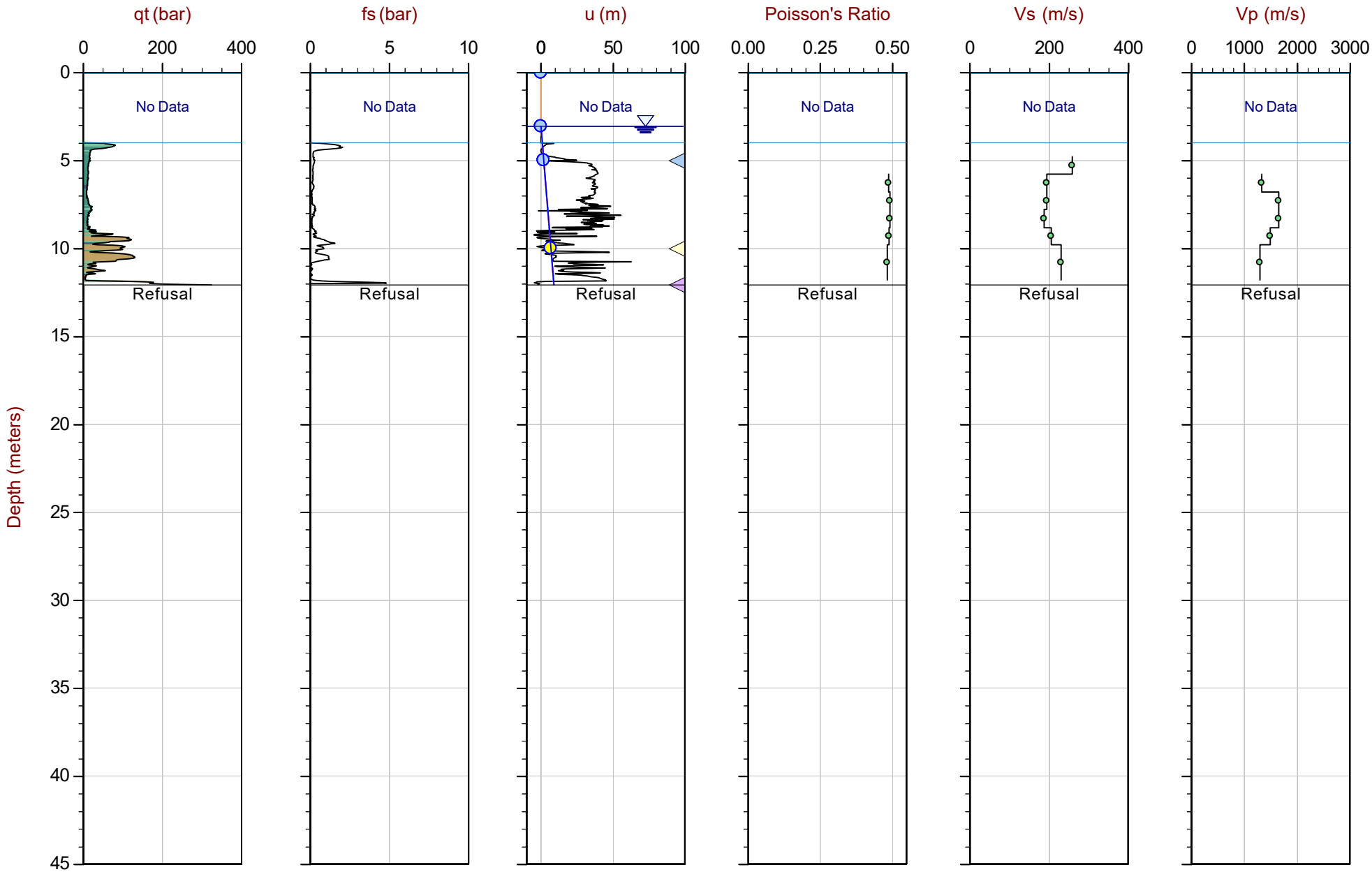
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-26 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35



Max Depth: 12.075 m / 39.62 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF03.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407122m E: 476801m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

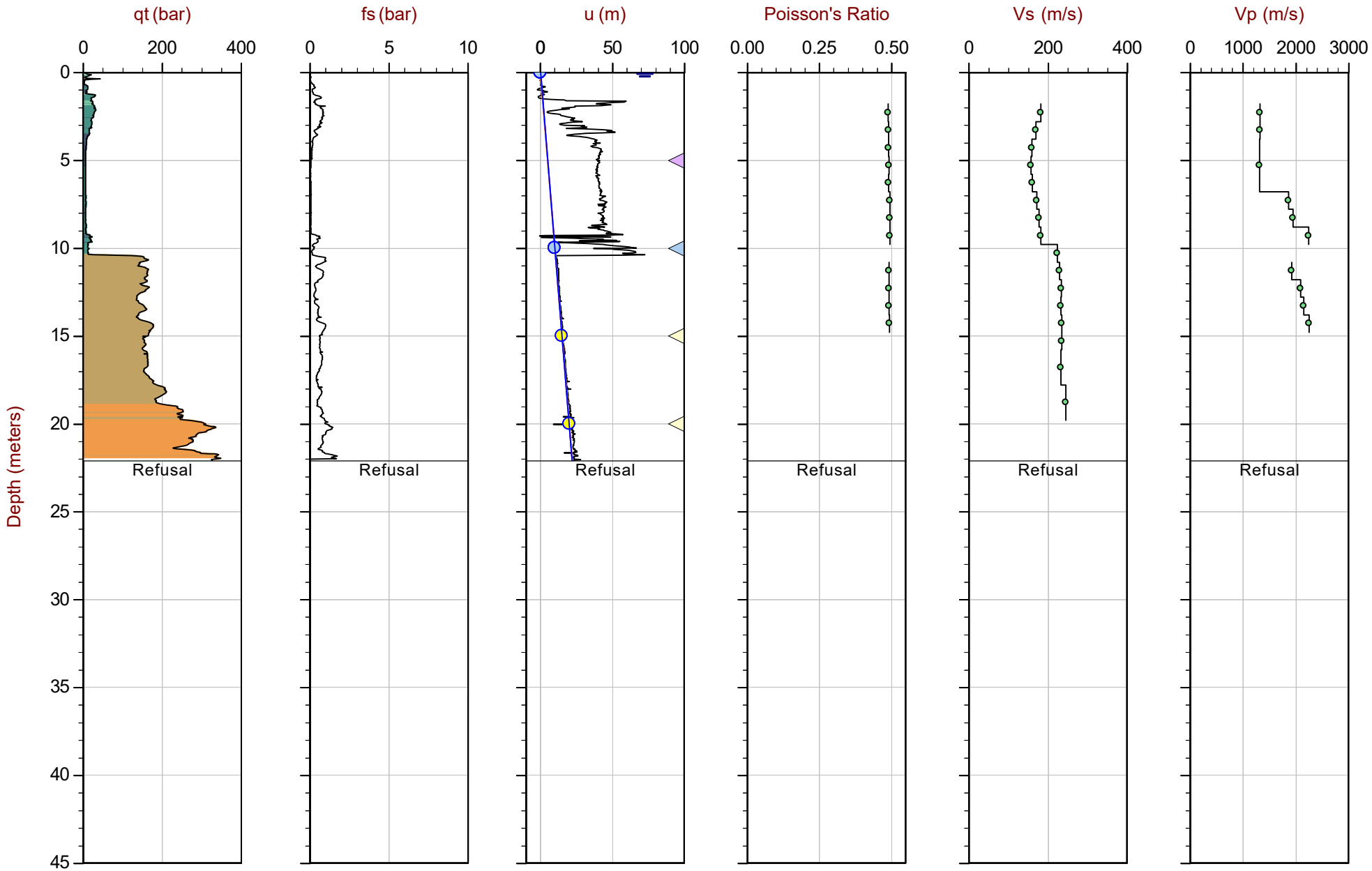
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-30 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35



Max Depth: 22.100 m / 72.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF04.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5405122m E: 476789m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

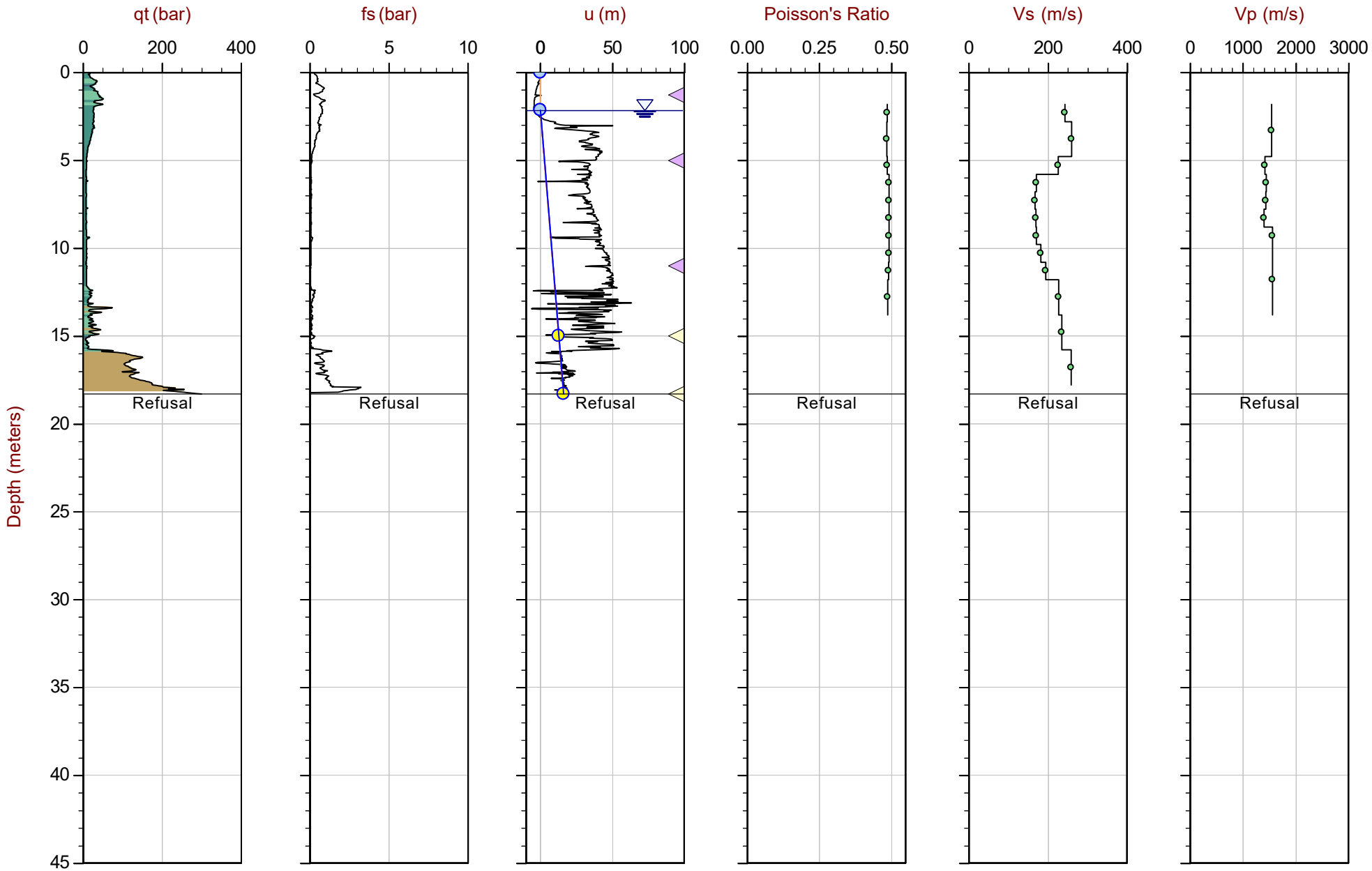
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-24 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35



Max Depth: 18.300 m / 60.04 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF08.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5406528m E: 473370m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

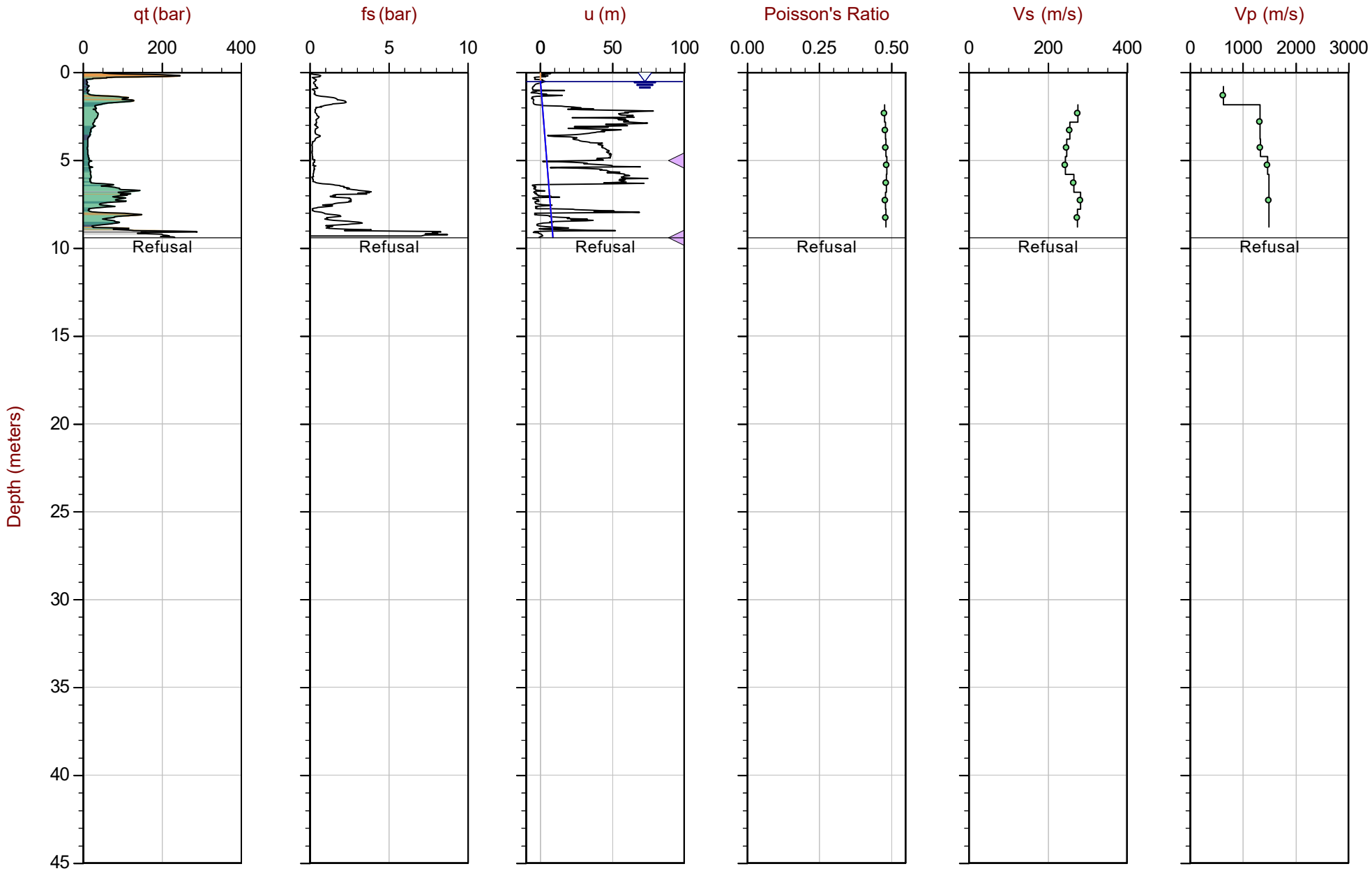
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-05 06:51
Site: Crawford Mine

Sounding: SRK-TSF-CPT-09
Cone: 751:T1500F15U35



Max Depth: 9.400 m / 30.84 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF09.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408311m E: 475241m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

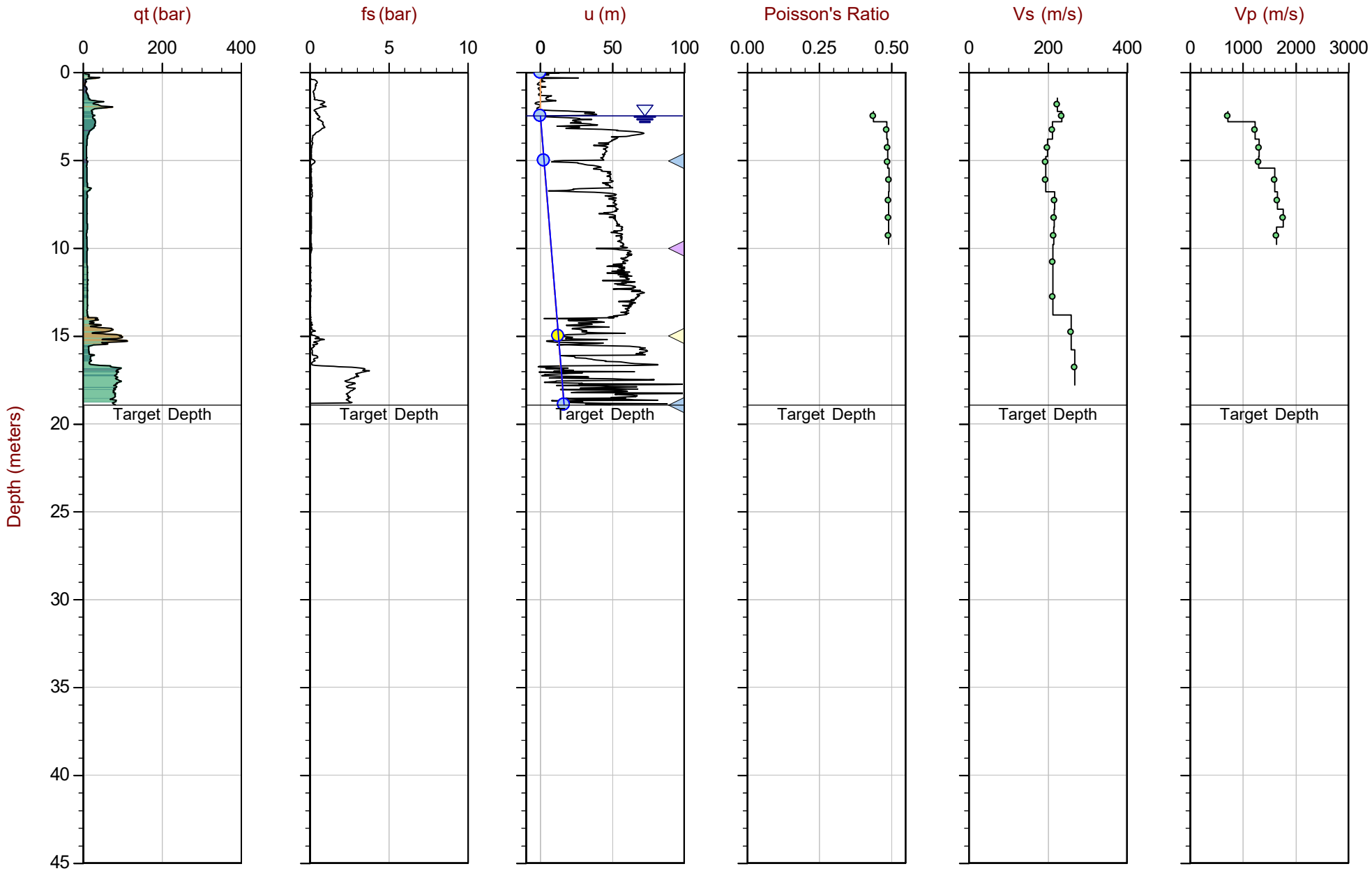
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-22 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35



Max Depth: 18.925 m / 62.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF10.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408198m E: 476077m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

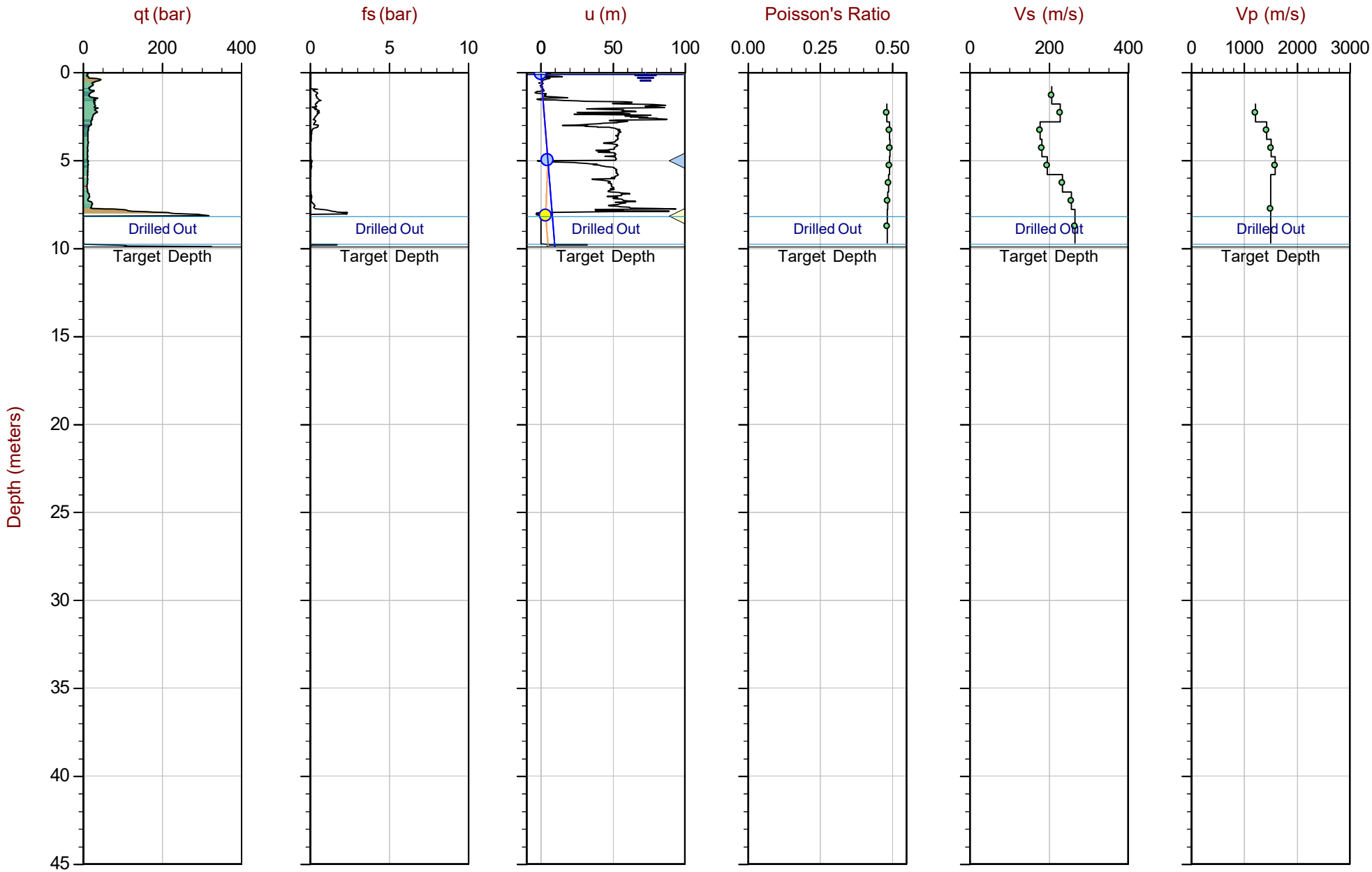
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-24 22:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-13
Cone: 726:T1500F15U35



Max Depth: 9.900 m / 32.48 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF13.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408237m E: 476950m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

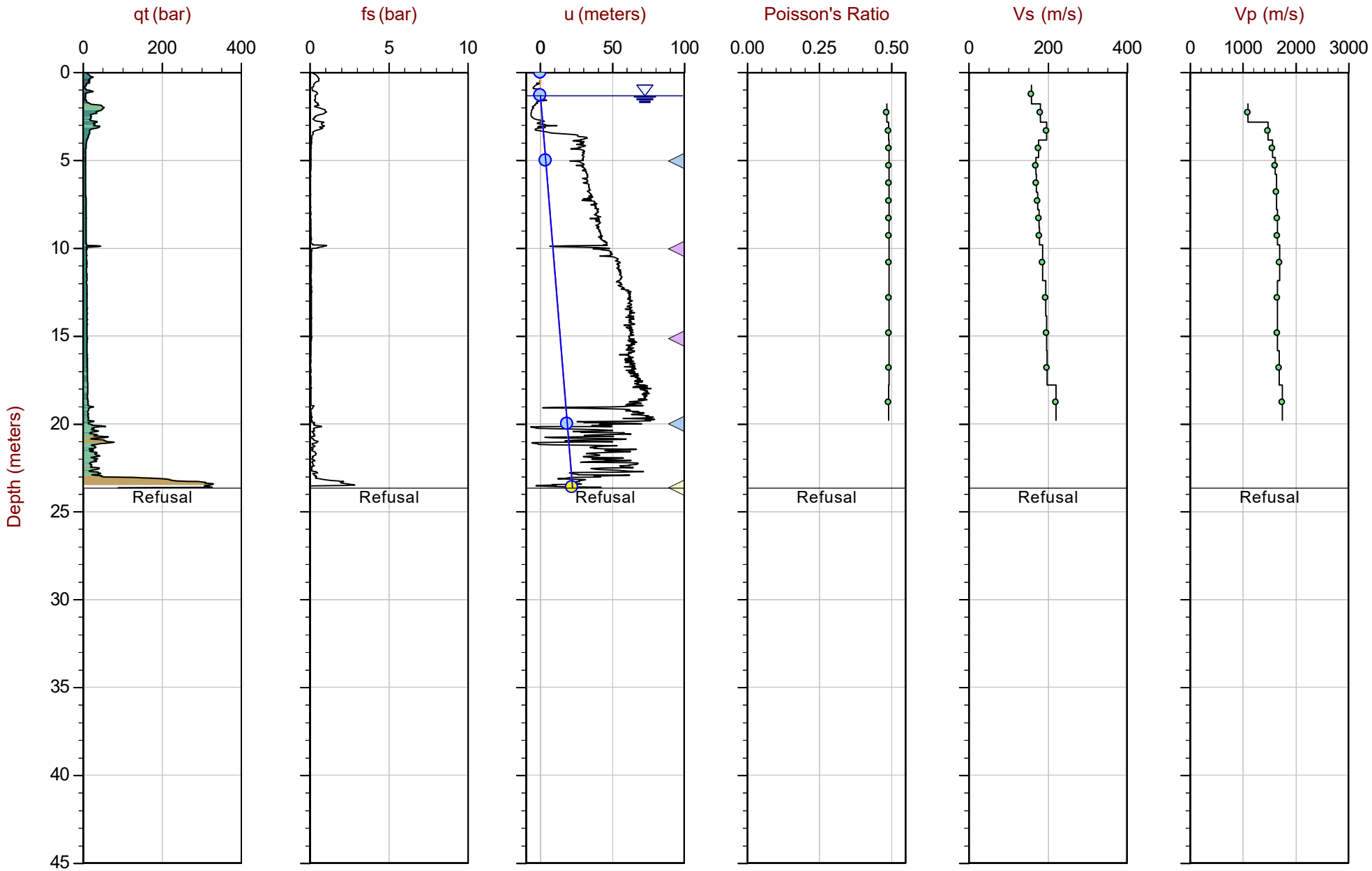
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-10-21 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35



Max Depth: 23.650 m / 77.59 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF14.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5406441m E: 474817m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

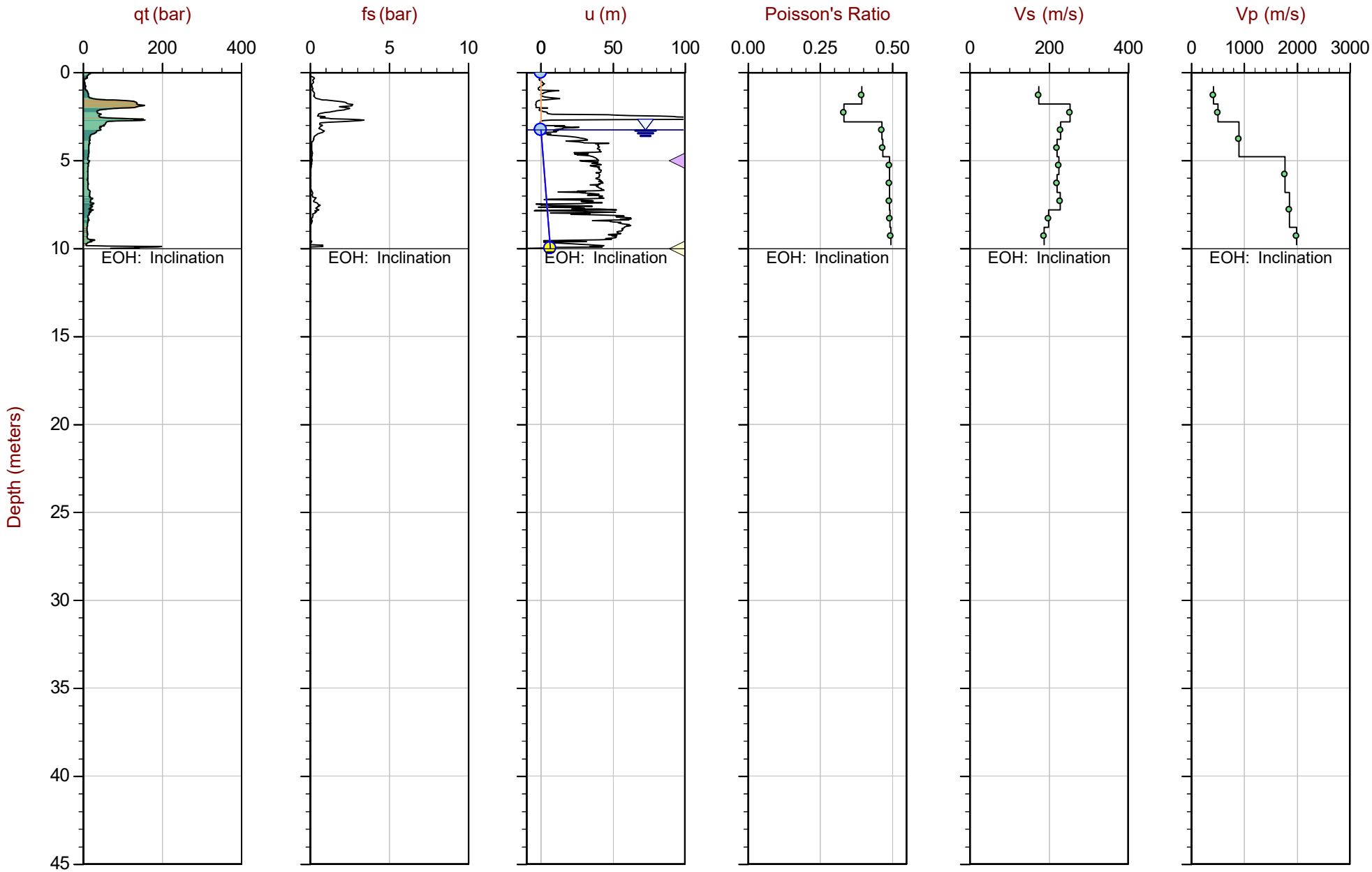
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-10 07:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-15
Cone: 728:T1500F15U35



Max Depth: 10.000 m / 32.81 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF15.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5407081m E: 475195m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

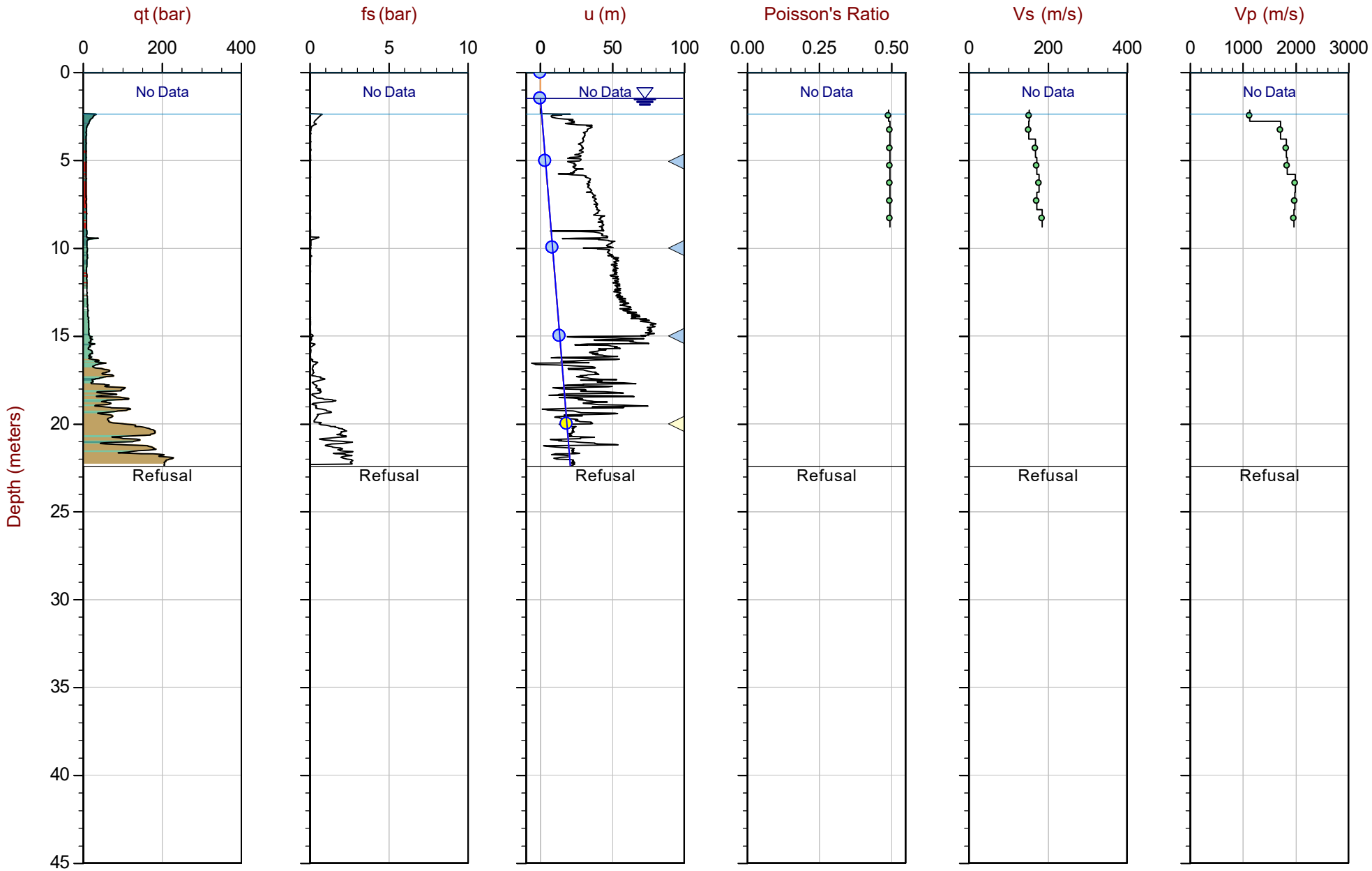
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-10 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35



Max Depth: 22.400 m / 73.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF17.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5405900m E: 472155m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

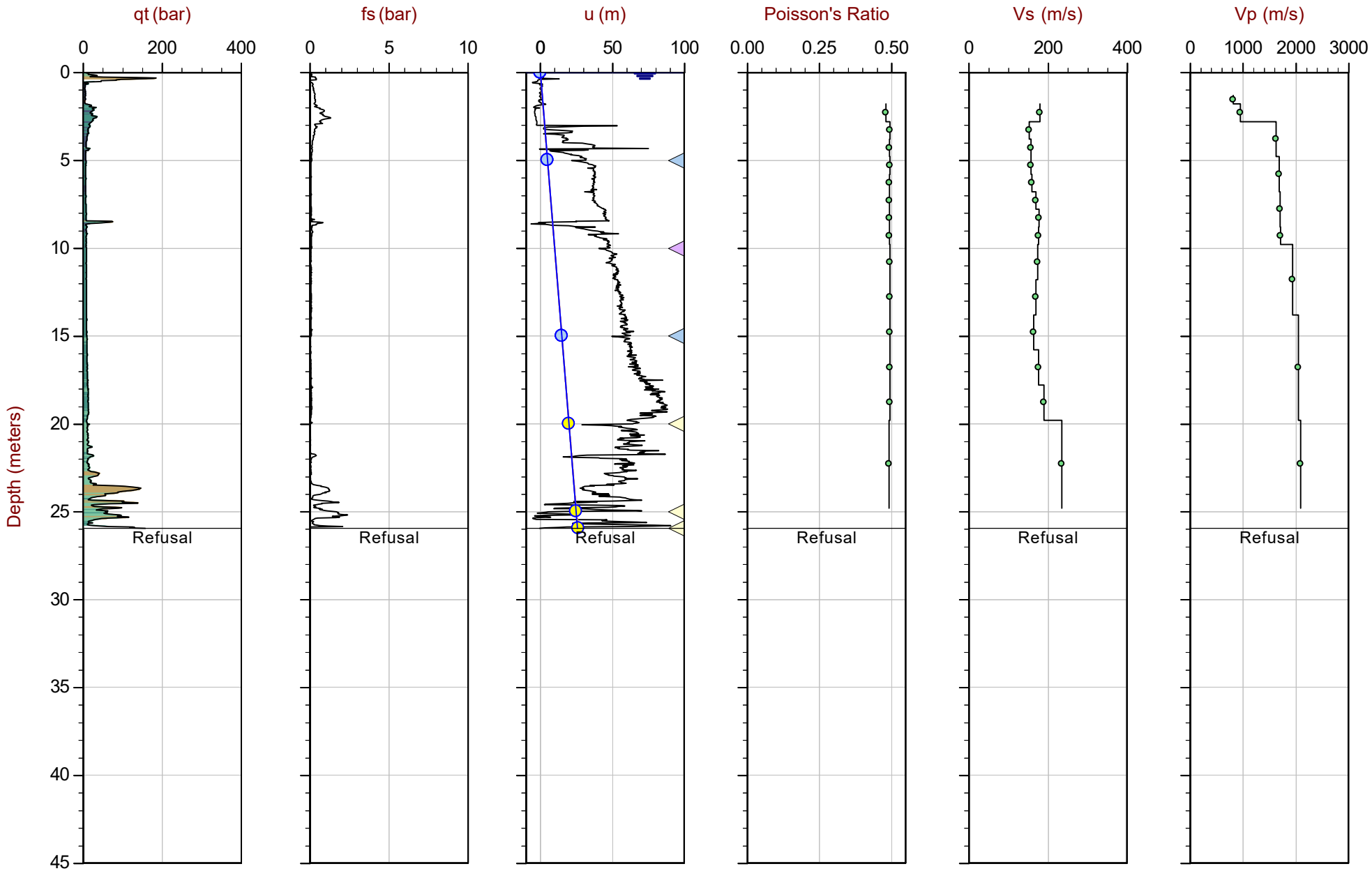
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-02 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35



Max Depth: 25.950 m / 85.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF18.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5405711m E: 476778m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

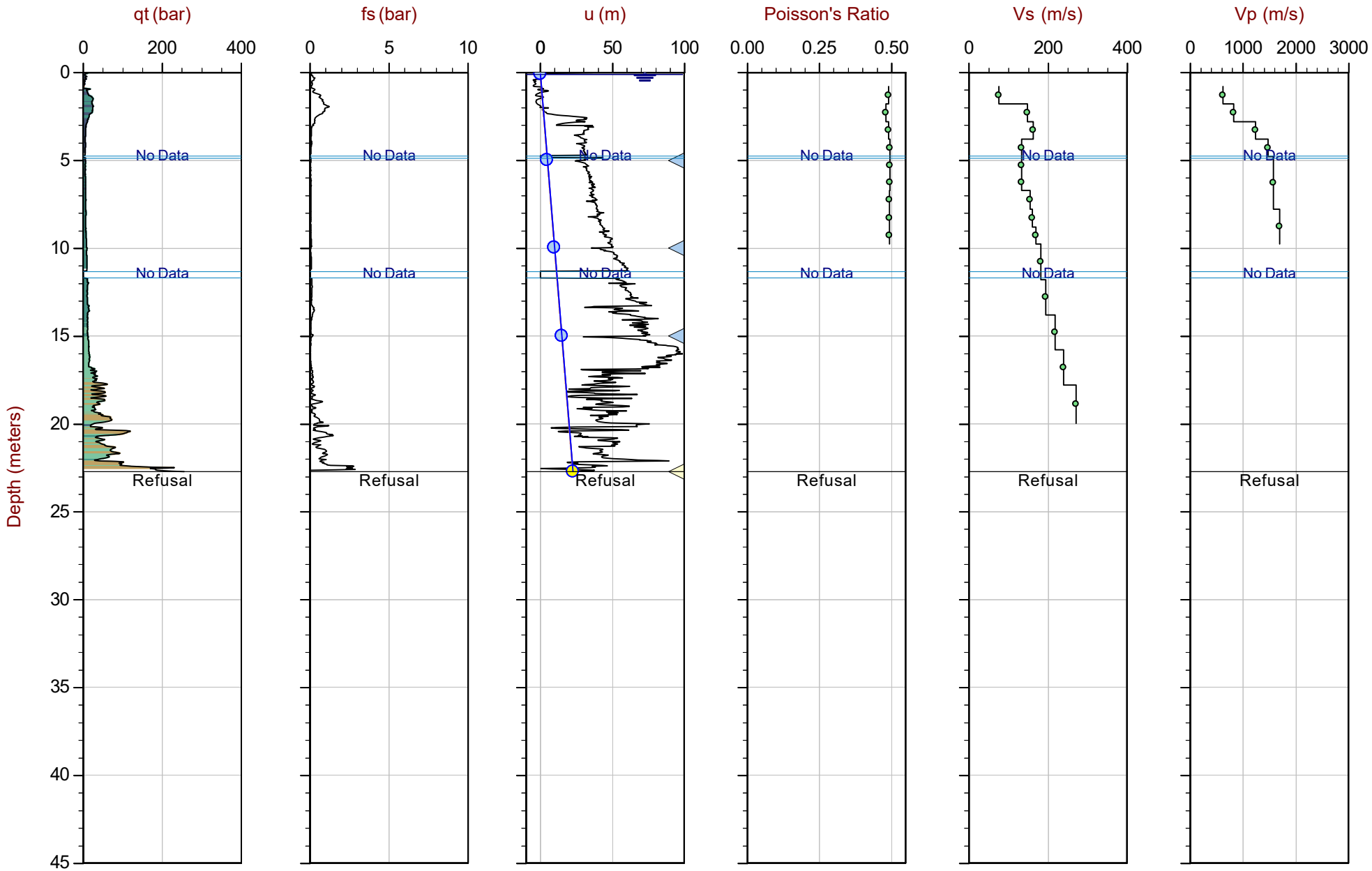
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-25 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35



Max Depth: 22.725 m / 74.56 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF20.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5403609m E: 473200m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

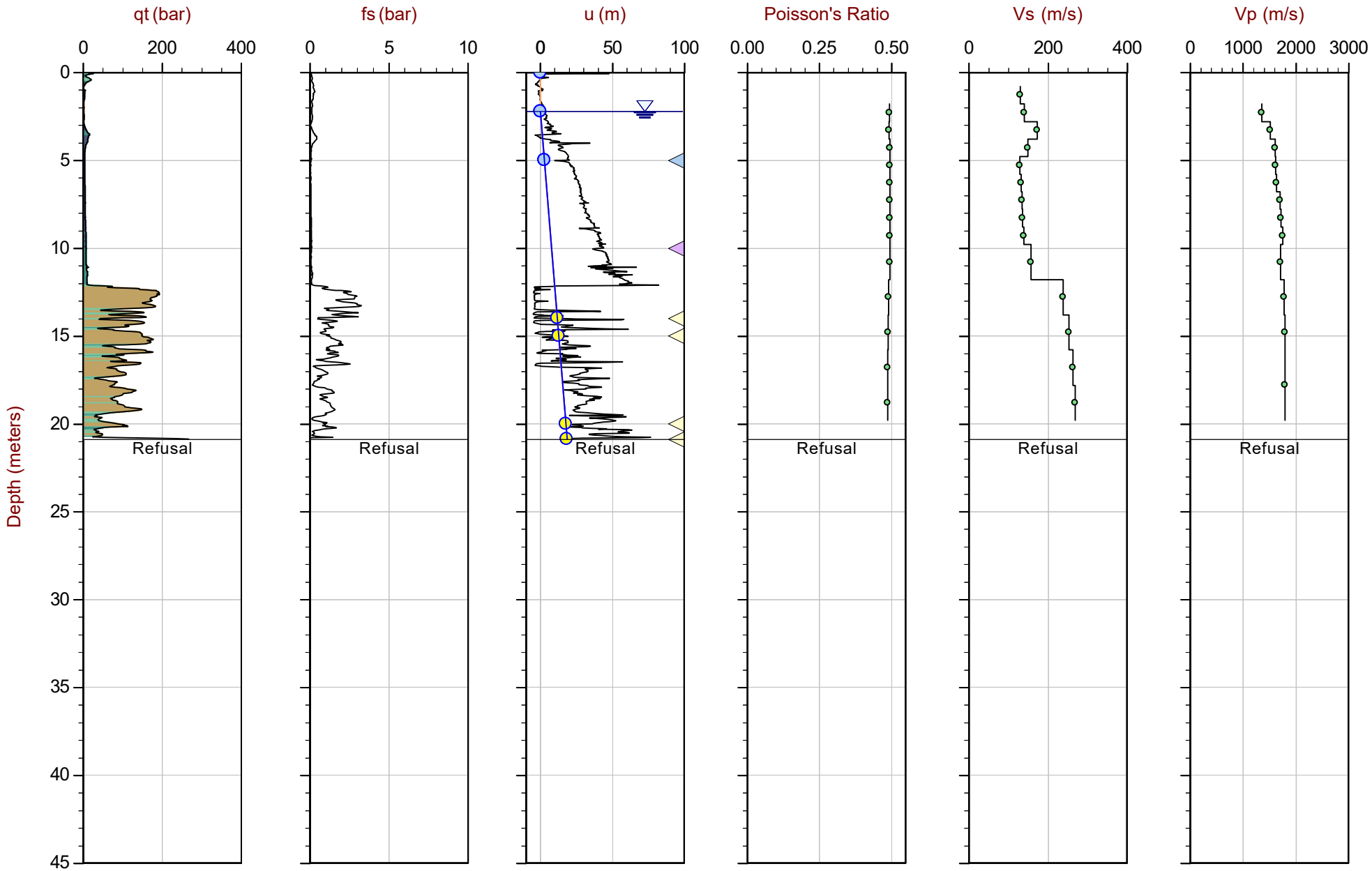
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-23 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35



Max Depth: 20.875 m / 68.49 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF21.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5401925m E: 473365m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

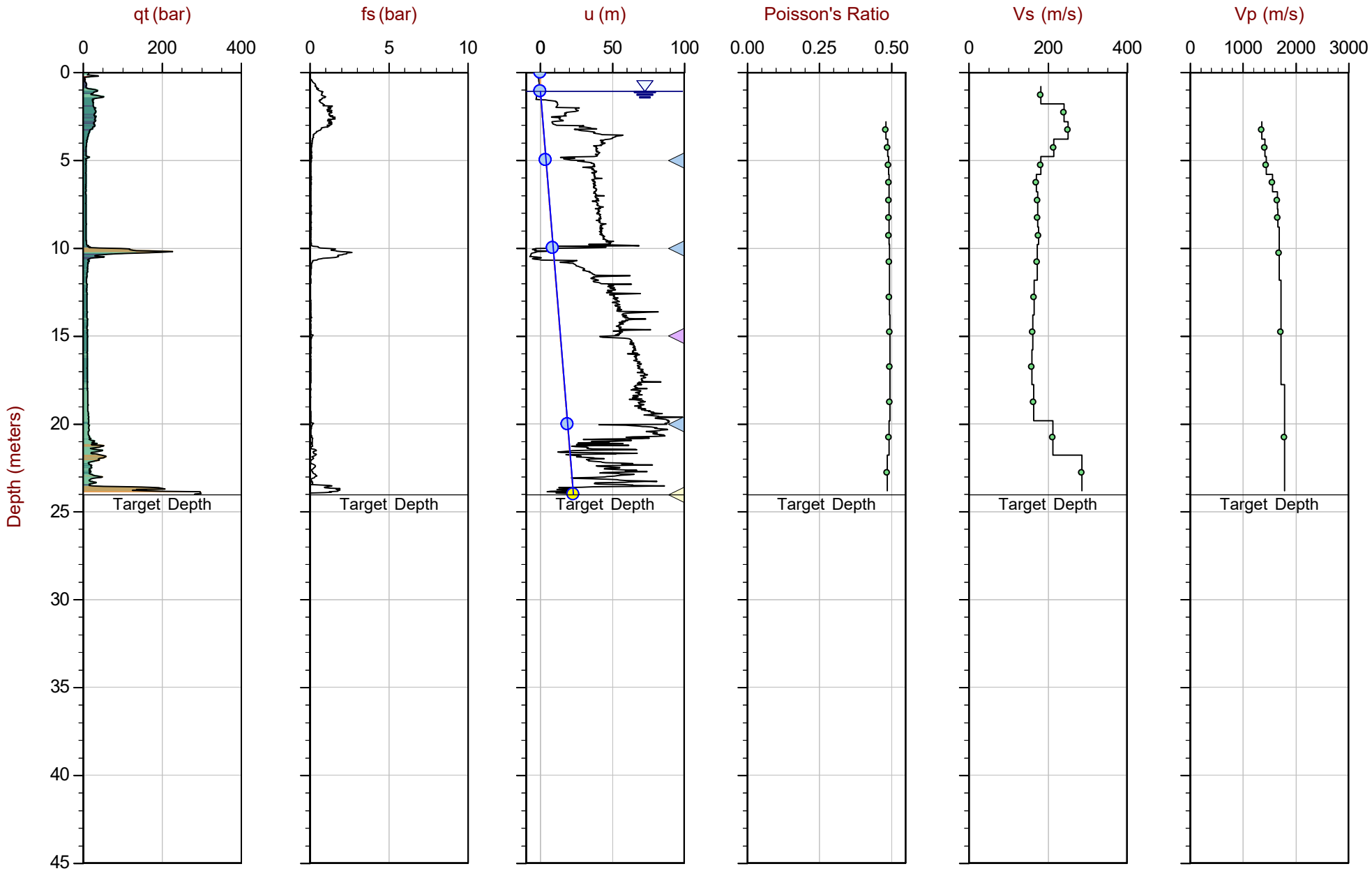
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-03-18 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35



Max Depth: 24.025 m / 78.82 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF23.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT '10)
Coords: UTM 17N N: 5403417m E: 476616m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

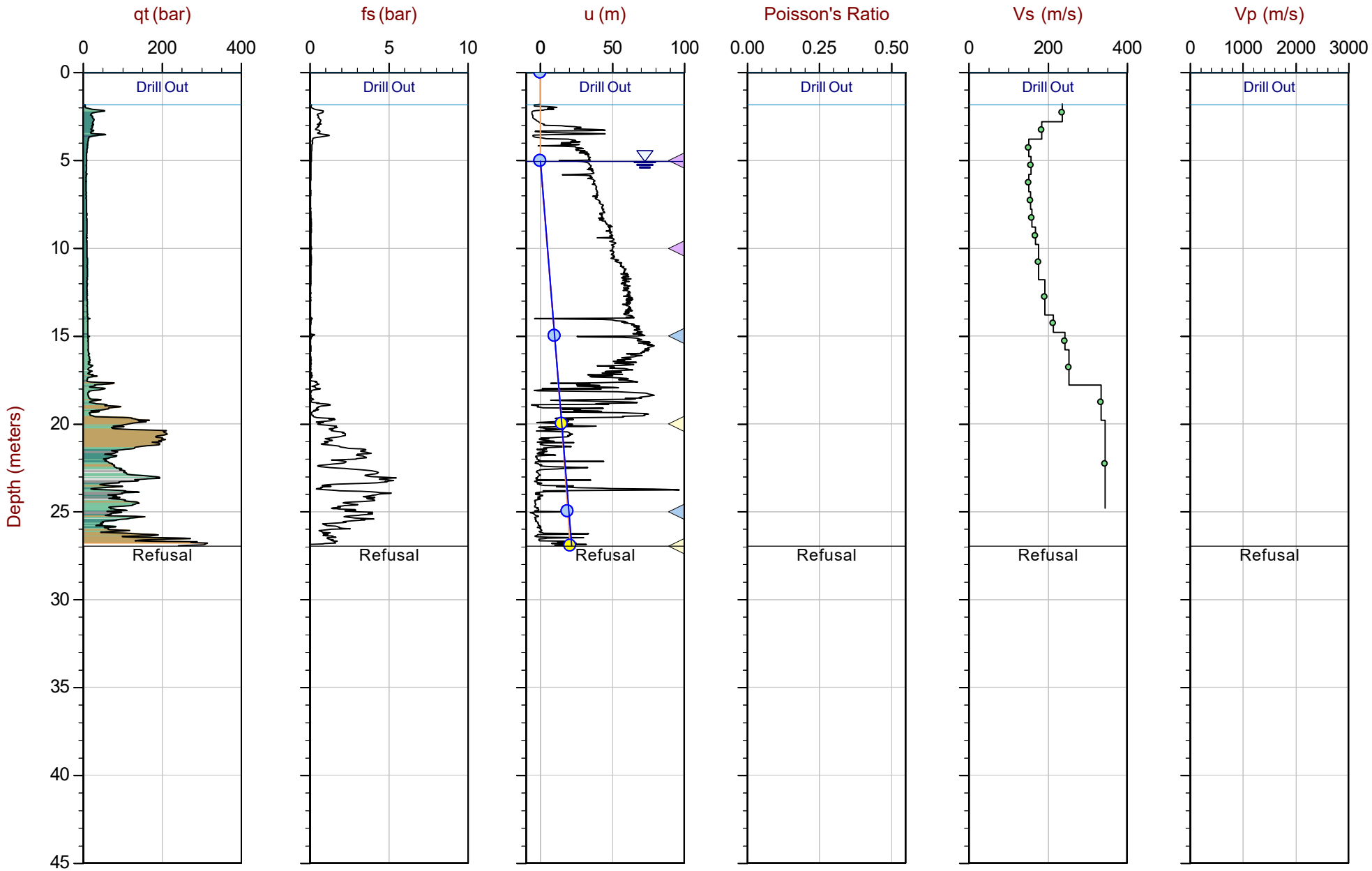
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-11-27 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35



Max Depth: 26.950 m / 88.42 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPTSF102.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5408278m E: 468244m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

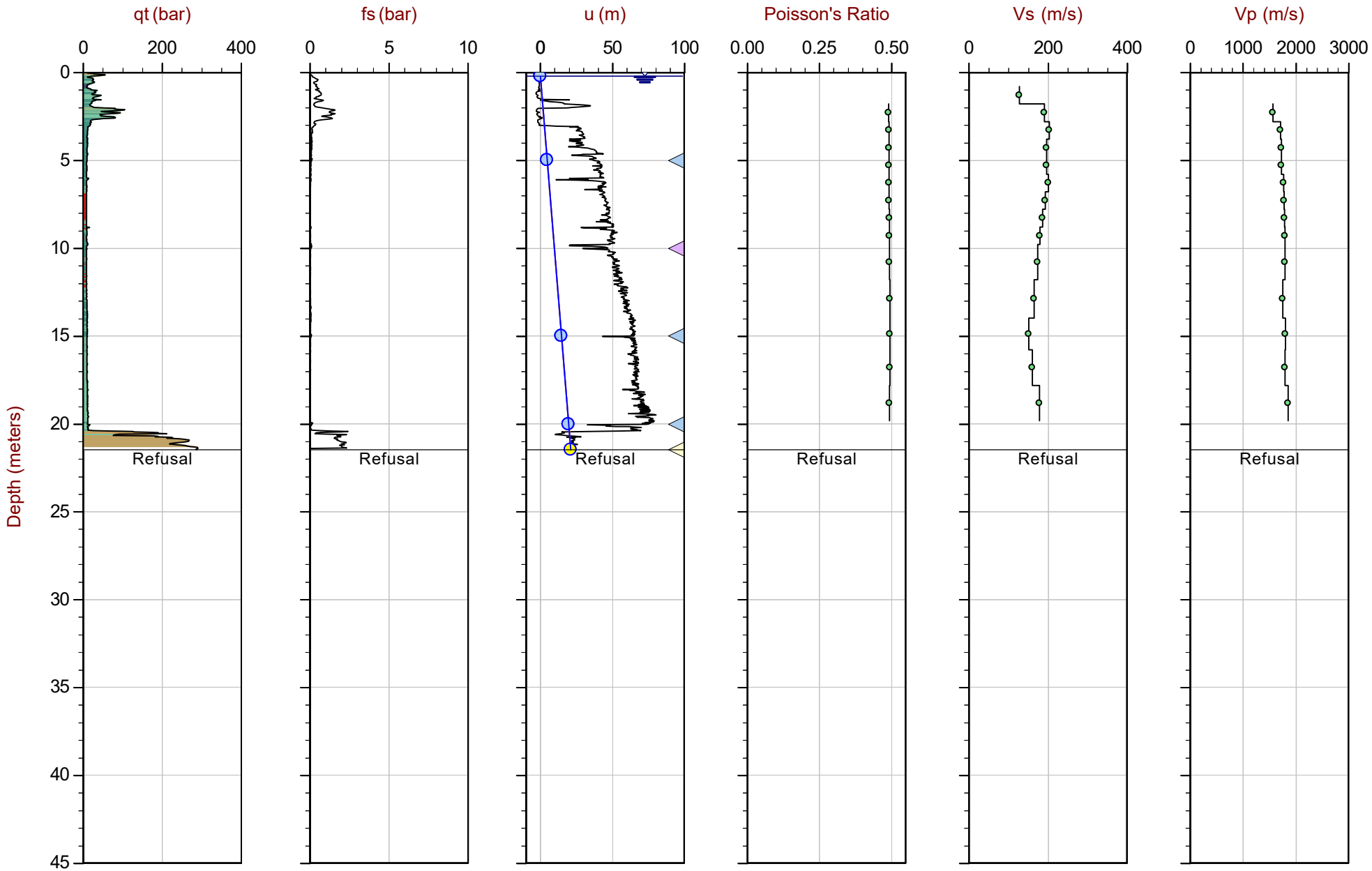
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-28 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35



Max Depth: 21.475 m / 70.46 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWOS01.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5409115m E: 471903m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

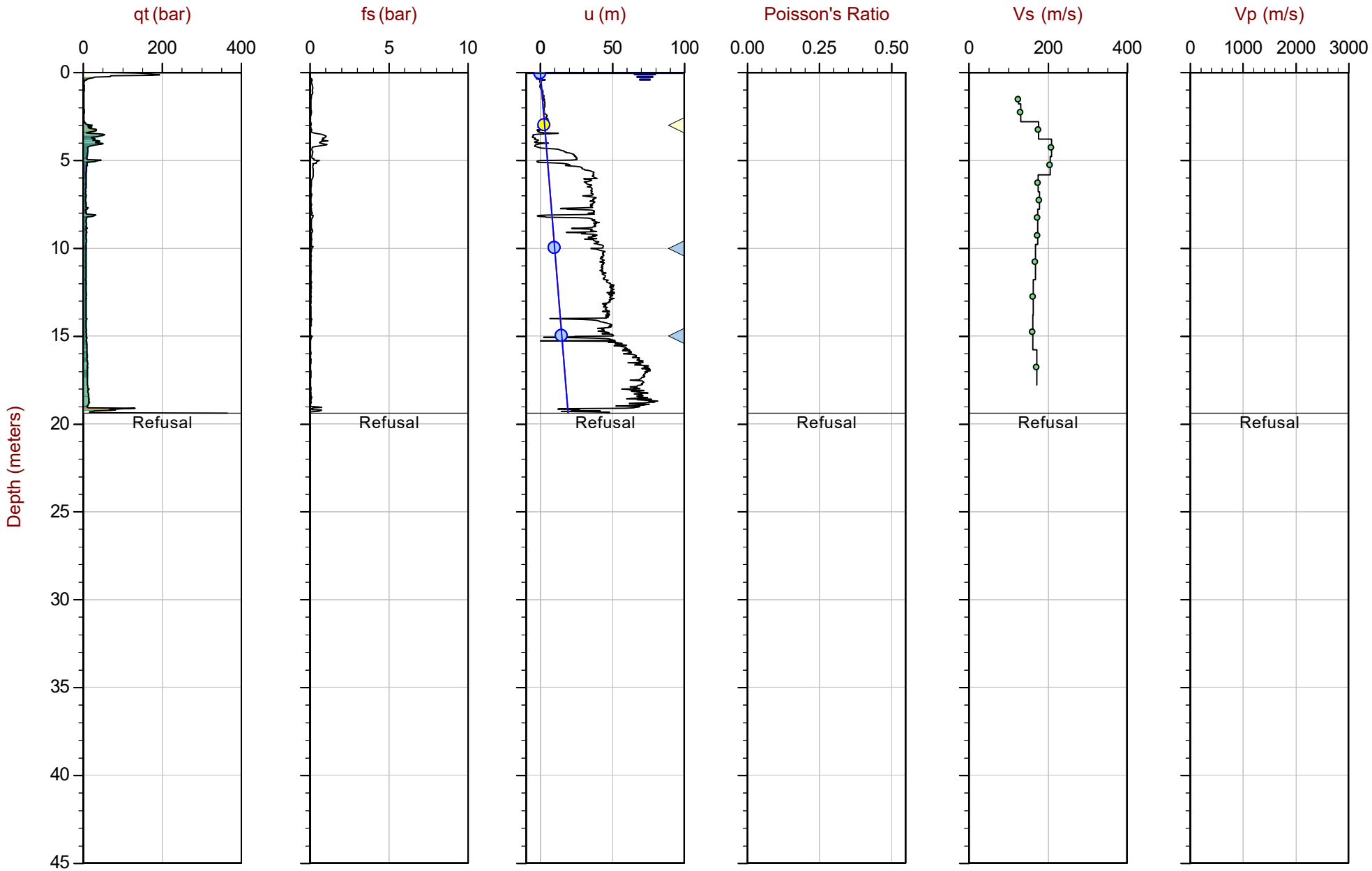
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-01-08 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35



Max Depth: 19.400 m / 63.65 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD10.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5410758m E: 474460m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

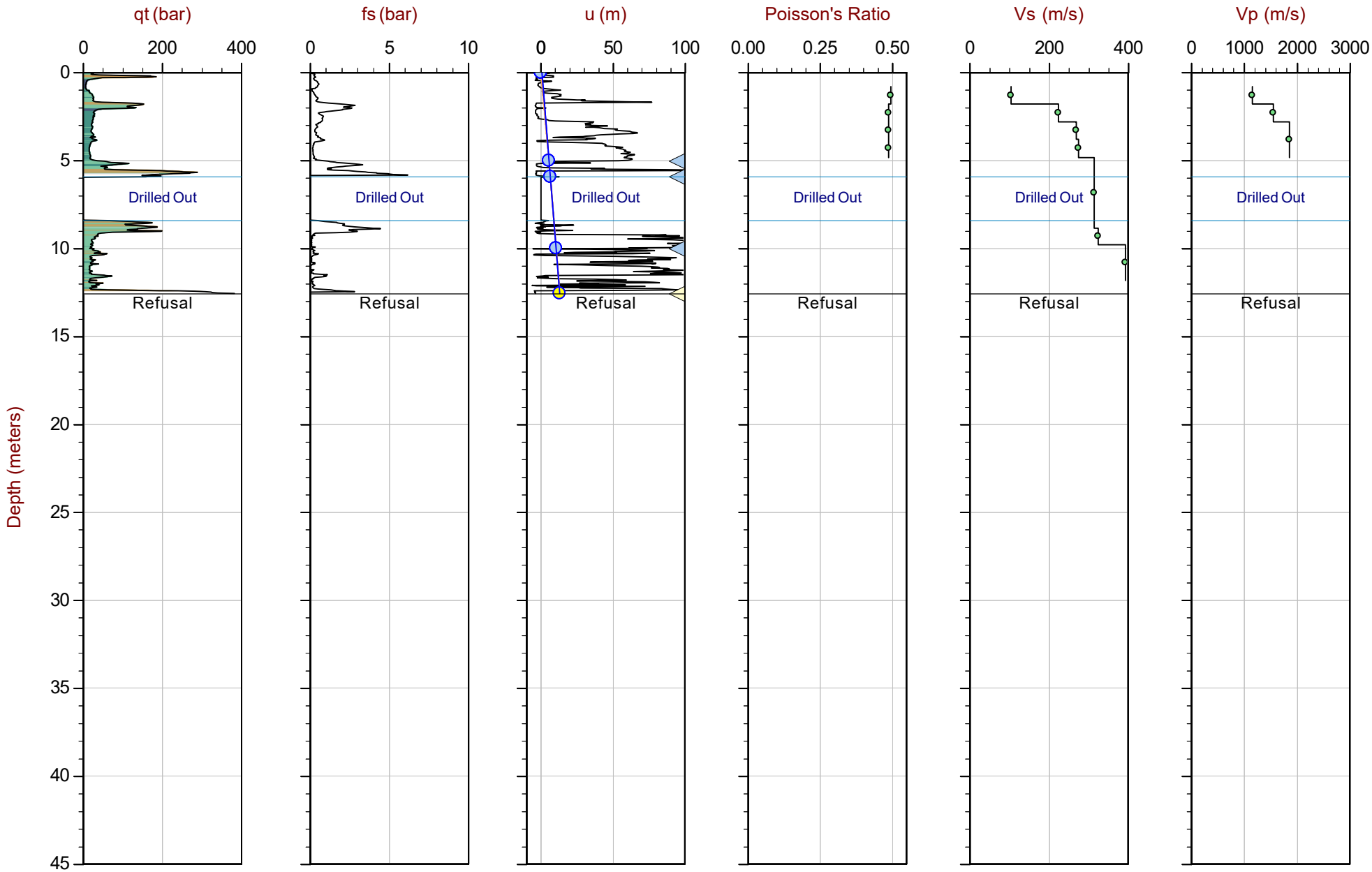
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-12 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35



Max Depth: 12.575 m / 41.26 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD14.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412880m E: 471711m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

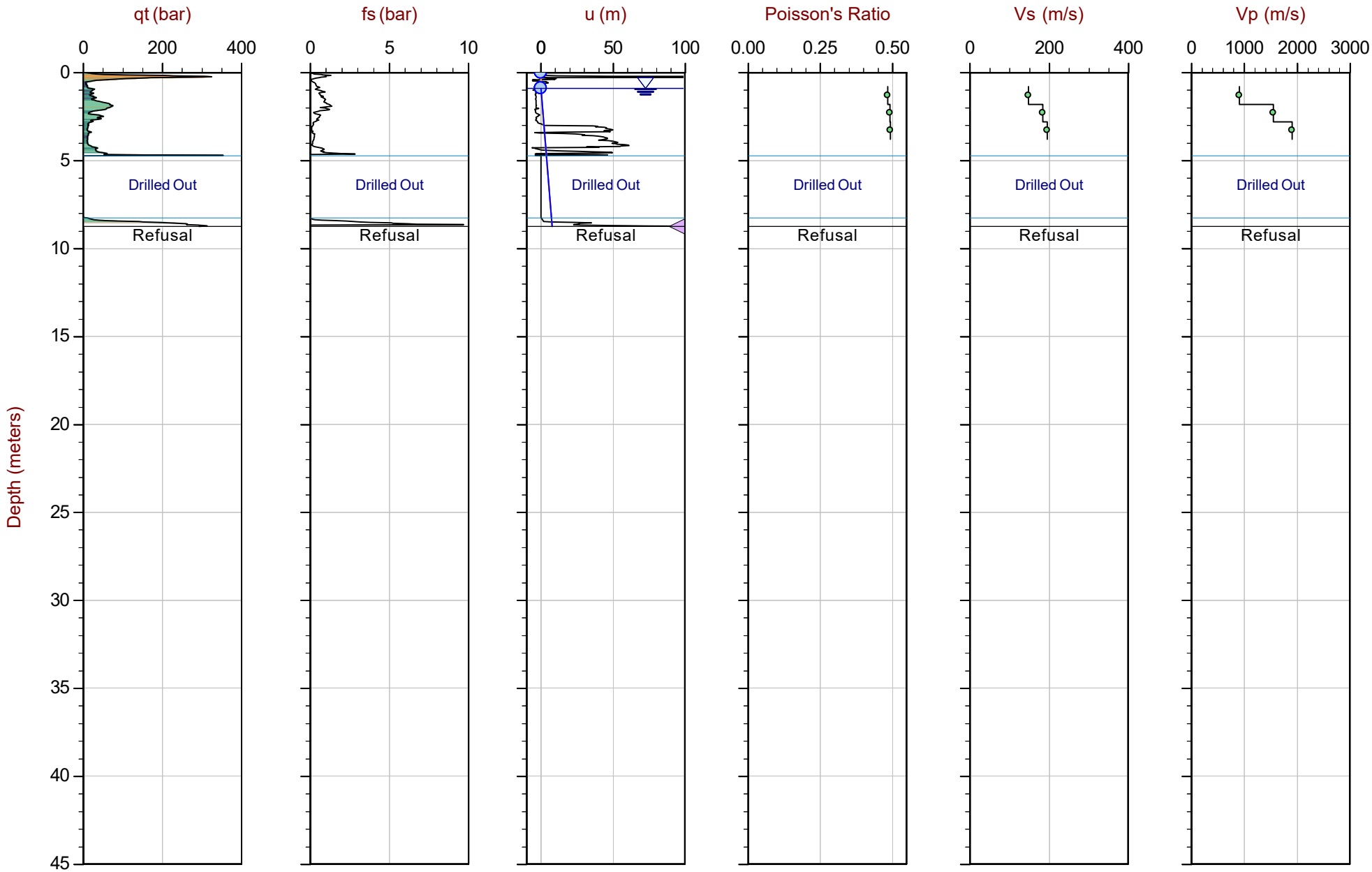
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-16 09:28
Site: Crawford Mine

Sounding: SRK-WRD-CPT-15
Cone: 728:T1500F15U35



Max Depth: 8.750 m / 28.71 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD15.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5412030m E: 471391m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

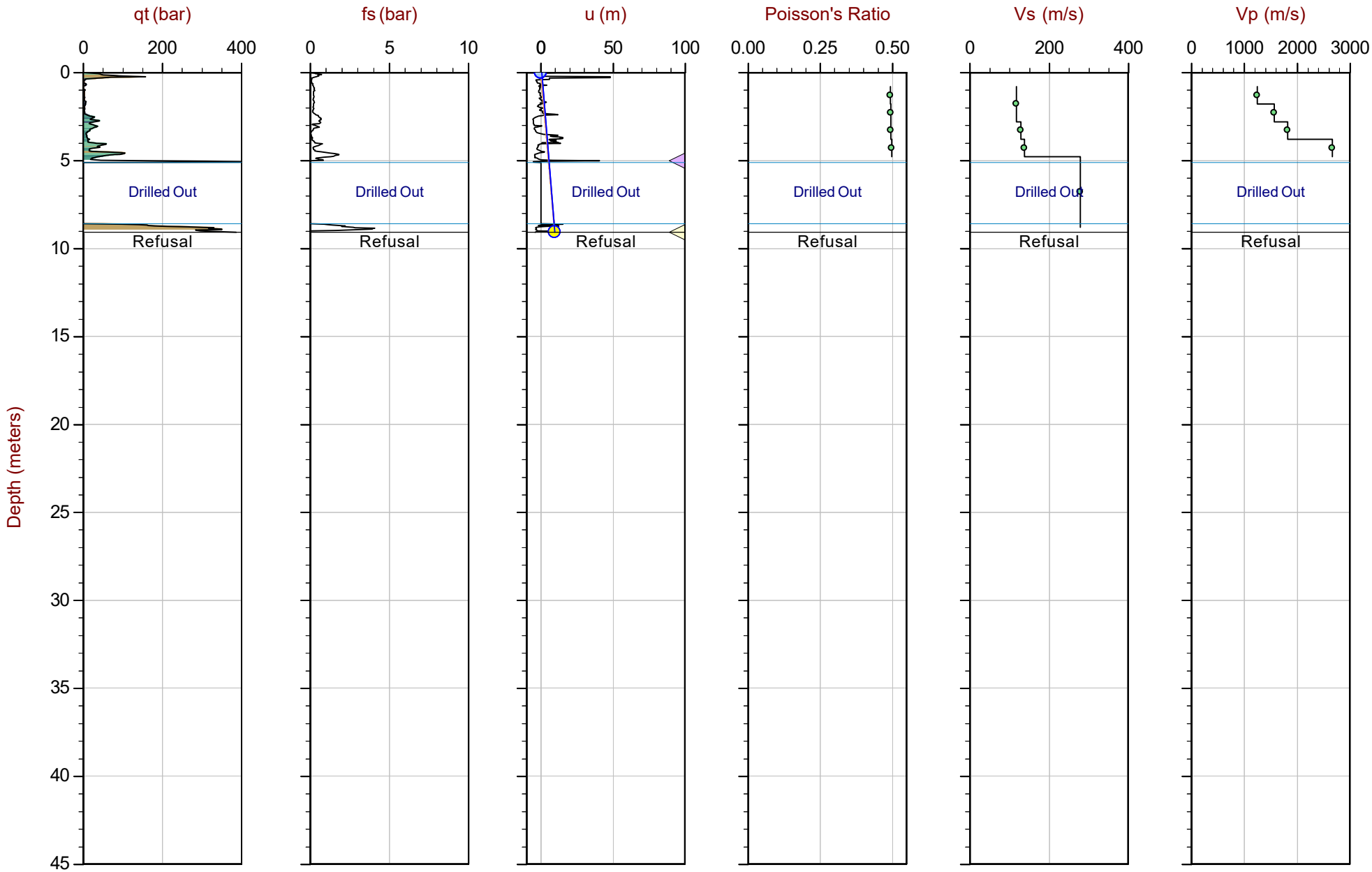
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2022-02-14 09:02
Site: Crawford Mine

Sounding: SRK-WRD-CPT-16
Cone: 728:T1500F15U35



Max Depth: 9.075 m / 29.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD16.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5413770m E: 471455m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line Ueq Line

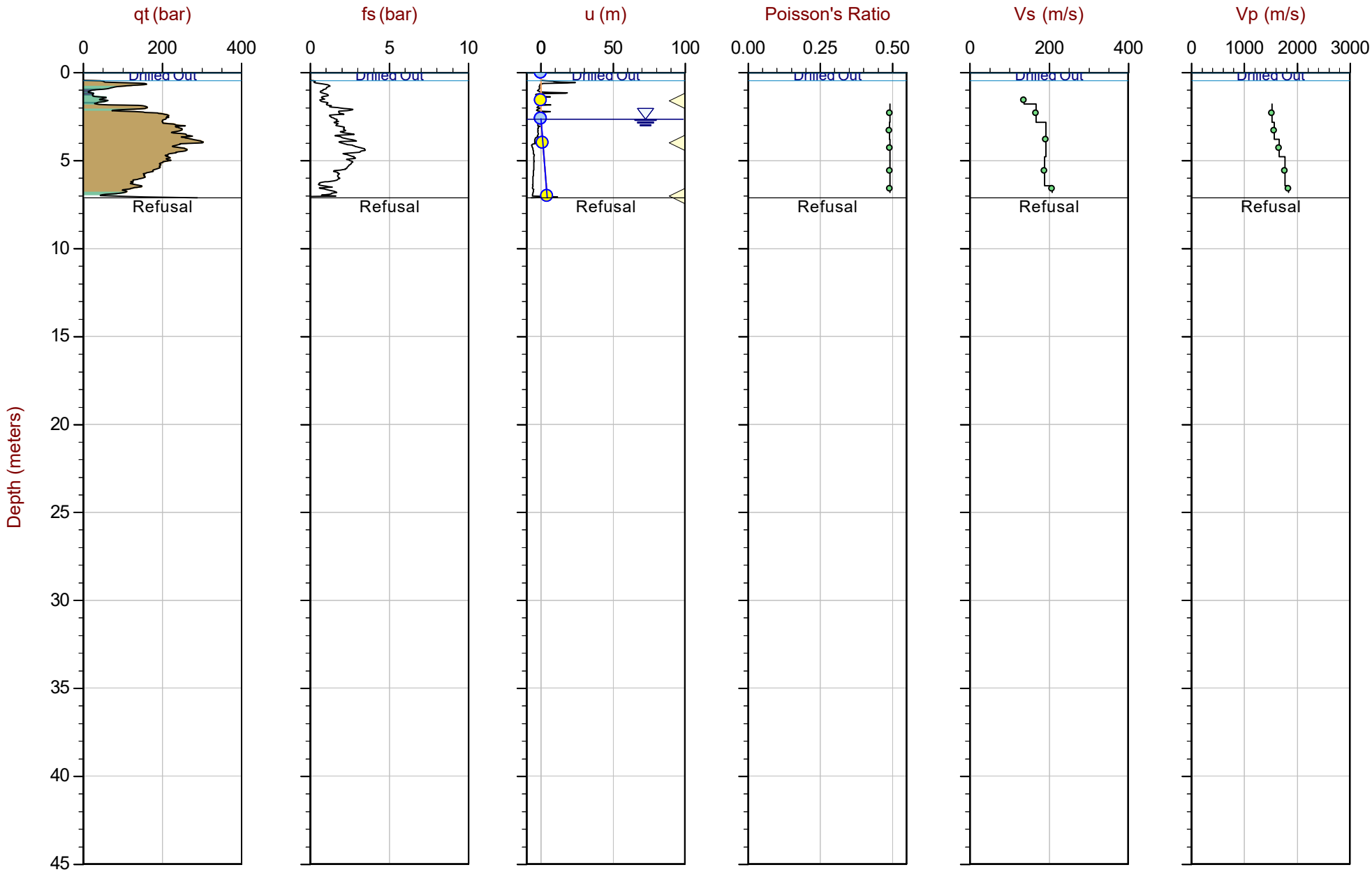
The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 2021-12-09 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35



Max Depth: 7.125 m / 23.38 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 21-02-23004_SPWRD17.COR
Unit Wt: Rev SBT (PKR2010)

SBT: Robertson, 2010 (CPT'10)
Coords: UTM 17N N: 5415177m E: 472209m
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line | Ueq Line

The reported coordinates were acquired from hand-held GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

Seismic Cone Penetration Test Shear Wave (Vs) Tabular Results

CONETEC

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-HG-CPT-01
Date:	02-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	6.61	131
4.00	3.80	4.02	0.93	4.63	201
5.00	4.80	4.97	0.96	4.85	197
6.00	5.80	5.94	0.97	6.09	159
7.00	6.80	6.92	0.98	6.03	162
8.00	7.80	7.91	0.99	5.96	165
9.00	8.80	8.90	0.99	6.05	163
10.00	9.80	9.89	0.99	5.91	168
12.00	11.80	11.87	1.99	11.38	175
14.00	13.80	13.86	1.99	11.59	172
16.02	15.82	15.87	2.01	11.40	177
18.03	17.83	17.88	2.00	10.74	187
20.00	19.80	19.84	1.97	9.26	212
25.00	24.80	24.83	4.99	19.50	256

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-HG-CPT-03
Date:	01-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.03	2.83	3.11	0.89	3.42	262
4.00	3.80	4.02	0.90	4.96	182
5.00	4.80	4.97	0.96	6.06	158
6.00	5.80	5.94	0.97	6.23	156
7.00	6.80	6.92	0.98	6.00	163
8.00	7.80	7.91	0.99	6.07	162
9.00	8.80	8.90	0.99	5.73	172
10.00	9.80	9.89	0.99	5.63	176
12.00	11.80	11.87	1.99	11.45	173
14.02	13.82	13.88	2.01	12.01	167
16.00	15.80	15.85	1.97	13.00	152
18.00	17.80	17.85	1.99	13.00	153
20.00	19.80	19.84	2.00	11.47	174
25.00	24.80	24.83	4.99	23.25	215
28.05	27.85	27.88	3.05	11.13	274

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-01B
Date:	05-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.00	2.80	3.09			
4.00	3.80	4.02	0.93	3.64	256
5.00	4.80	4.97	0.96	5.43	176
6.00	5.80	5.94	0.97	5.70	170
7.00	6.80	6.92	0.98	6.24	157
8.00	7.80	7.91	0.99	6.77	146
9.00	8.80	8.90	0.99	6.70	147
10.00	9.80	9.89	0.99	6.52	152
12.00	11.80	11.87	1.99	13.22	150
14.00	13.80	13.86	1.99	13.14	151
16.00	15.80	15.85	1.99	13.08	152
18.03	17.83	17.88	2.02	13.02	156
20.00	19.80	19.84	1.97	11.13	177

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-02
Date:	26-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.12	0.92	1.59			
2.00	1.80	2.22	0.63	5.37	117
3.00	2.80	3.09	0.87	5.63	154
4.00	3.80	4.02	0.93	5.94	157
5.00	4.80	4.97	0.96	5.75	166
6.00	5.80	5.94	0.97	5.25	185
7.00	6.80	6.92	0.98	5.75	170
8.00	7.80	7.91	0.99	5.86	168
9.00	8.80	8.90	0.99	6.07	163
10.00	9.80	9.89	0.99	6.50	152
12.00	11.80	11.87	1.99	13.64	146
14.02	13.82	13.88	2.01	14.13	142
16.00	15.80	15.85	1.97	14.54	136
18.00	17.80	17.85	1.99	13.22	151
20.00	19.80	19.84	2.00	11.67	171
25.00	24.80	24.83	4.99	22.39	223
30.00	29.80	29.83	4.99	17.52	285

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-03
Date:	21-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.06			
2.90	2.70	2.88	0.82	4.65	176
4.00	3.80	3.93	1.05	5.12	205
5.00	4.80	4.90	0.97	4.63	210
6.00	5.80	5.89	0.98	5.07	194
7.00	6.80	6.87	0.99	5.22	189
7.98	7.78	7.84	0.97	5.36	181
9.00	8.80	8.86	1.01	5.95	170
10.00	9.80	9.85	0.99	6.28	158
12.00	11.80	11.84	1.99	13.88	143
14.00	13.80	13.84	1.99	13.39	149
16.00	15.80	15.83	2.00	11.07	180
18.00	17.80	17.83	2.00	10.58	189
20.00	19.80	19.83	2.00	9.04	221

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-05
Date:	25-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.97			
2.00	1.80	2.55	0.58	6.07	95
3.00	2.80	3.33	0.78	7.93	99
4.00	3.80	4.21	0.88	5.72	153
5.00	4.80	5.13	0.92	6.12	151
6.00	5.80	6.07	0.95	6.77	140
7.00	6.80	7.03	0.96	7.16	134
8.00	7.80	8.01	0.97	7.18	135
9.00	8.80	8.98	0.98	7.23	135
10.00	9.80	9.96	0.98	7.19	137
12.00	11.80	11.94	1.97	14.21	139
14.00	13.80	13.92	1.98	11.46	173

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-06
Date:	06-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	3.86	180
3.00	2.80	3.09	0.87	4.85	179
4.00	3.80	4.02	0.93	5.18	179
5.00	4.80	4.97	0.96	5.62	170
6.00	5.80	5.94	0.97	5.73	170
7.00	6.80	6.92	0.98	6.29	156
8.00	7.80	7.91	0.99	6.24	158
9.00	8.80	8.90	0.99	5.33	185
10.00	9.80	9.89	0.99	4.51	220

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LGS-CPT-01
Date:	21-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.50
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.70			
2.00	1.80	2.34	0.64	5.45	118
3.00	2.80	3.18	0.83	5.10	163
4.03	3.83	4.11	0.94	5.10	184
5.00	4.80	5.03	0.92	5.04	182

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LGS-CPT-05
Date:	21-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.55			
3.00	2.80	3.33	0.78	4.75	165
4.00	3.80	4.21	0.88	5.39	163
5.00	4.80	5.13	0.92	5.61	164
6.00	5.80	6.07	0.95	6.09	156
7.00	6.80	7.03	0.96	6.33	152
8.00	7.80	8.01	0.97	6.33	153
9.00	8.80	8.98	0.98	6.53	150
10.00	9.80	9.96	0.98	6.76	145
12.00	11.80	11.94	1.97	13.26	149
14.00	13.80	13.92	1.98	13.53	146
16.00	15.80	15.90	1.99	13.63	146
18.00	17.80	17.89	1.99	13.50	147
20.00	19.80	19.88	1.99	12.67	157
25.00	24.80	24.87	4.98	24.13	207

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-NWR-CPT-01
Date:	12-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.72	1.52	2.36			
2.72	2.52	3.10	0.74	4.08	182
3.70	3.50	3.94	0.84	4.30	195
4.75	4.55	4.89	0.96	5.08	189
5.65	5.45	5.74	0.85	4.40	193
6.62	6.42	6.67	0.93	4.77	195
7.68	7.48	7.69	1.03	5.26	195
8.62	8.42	8.61	0.92	4.84	189
9.62	9.42	9.59	0.98	5.11	192
10.60	10.40	10.56	0.97	5.18	186
11.60	11.40	11.54	0.99	5.26	187
13.60	13.40	13.52	1.98	10.56	187
15.58	15.38	15.49	1.97	10.36	190
17.68	17.48	17.57	2.09	10.77	194
19.65	19.45	19.53	1.96	8.63	227
20.68	20.48	20.56	1.03	3.60	285
22.40	22.20	22.27	1.71	5.67	302

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-NWR-CPT-07
Date:	16-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.97			
2.00	1.80	2.55	0.58	3.97	145

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-NWR-CPT-07B
Date:	16-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.97			
2.00	1.80	2.55	0.58	3.85	150

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-01
Date:	06-Dec-2021
Seismic Source:	Beam
Seismic Offset (m):	1.50
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.70			
1.88	1.68	2.25	0.55	2.37	233

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-01B
Date:	06-Dec-2021
Seismic Source:	Beam
Seismic Offset (m):	1.50
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.03	0.83	1.71			
2.00	1.80	2.34	0.63	2.76	228

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-01C
Date:	06-Dec-2021
Seismic Source:	Beam
Seismic Offset (m):	1.50
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.03	2.83	3.20			
4.00	3.80	4.09	0.88	3.87	228
5.05	4.85	5.08	0.99	4.18	237
6.48	6.28	6.46	1.38	5.84	236
7.02	6.82	6.98	0.53	2.21	238
8.00	7.80	7.94	0.96	4.62	208
9.02	8.82	8.95	1.00	4.96	202
10.00	9.80	9.91	0.97	4.85	200
12.00	11.80	11.90	1.98	9.74	203
16.00	15.80	15.87	3.98	18.92	210
17.98	17.78	17.84	1.97	8.68	227

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-02
Date:	19-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.97			
2.02	1.82	2.56	0.59	3.31	179
3.00	2.80	3.33	0.77	3.39	227
4.00	3.80	4.21	0.88	4.04	217
5.00	4.80	5.13	0.92	4.27	216
6.00	5.80	6.07	0.95	4.45	213
7.00	6.80	7.03	0.96	4.50	214
8.00	7.80	8.01	0.97	4.55	214
9.00	8.80	8.98	0.98	4.56	214
10.00	9.80	9.96	0.98	4.52	217
11.00	10.80	10.95	0.99	4.13	238

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-05B
Date:	13-Oct-2021
Seismic Source:	Beam
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.06			
3.00	2.80	2.97	0.91	4.04	226
4.00	3.80	3.93	0.96	3.59	266
5.00	4.80	4.90	0.97	4.19	232
6.02	5.82	5.91	1.00	3.74	268

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-06
Date:	07-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.02	1.82	2.24			
3.00	2.80	3.09	0.85	2.75	309
4.00	3.80	4.02	0.93	3.17	293
5.00	4.80	4.97	0.96	3.72	257
6.00	5.80	5.94	0.97	4.35	223
7.00	6.80	6.92	0.98	4.56	215
8.00	7.80	7.91	0.99	4.55	216
9.00	8.80	8.90	0.99	4.55	217
10.00	9.80	9.89	0.99	4.61	215
12.00	11.80	11.87	1.99	9.17	216
14.00	13.80	13.86	1.99	9.23	216
16.00	15.80	15.85	1.99	10.83	184
18.00	17.80	17.85	1.99	11.96	167
20.00	19.80	19.84	2.00	11.73	170
25.00	24.80	24.83	4.99	24.02	208

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-08
Date:	23-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	4.63	187
4.00	3.80	4.02	0.93	4.63	201
5.00	4.80	4.97	0.96	4.63	207
6.00	5.80	5.94	0.97	4.67	208
7.02	6.82	6.94	1.00	4.90	204
7.98	7.78	7.89	0.95	4.76	199
9.00	8.80	8.90	1.01	5.95	169
10.00	9.80	9.89	0.99	7.40	134
12.00	11.80	11.87	1.99	15.03	132
14.00	13.80	13.86	1.99	14.15	141
16.00	15.80	15.85	1.99	10.17	196
18.00	17.80	17.85	1.99	9.88	202
20.00	19.80	19.84	2.00	9.37	213
24.28	24.08	24.12	4.27	13.77	310

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-09
Date:	18-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	6.06	115
3.00	2.80	3.09	0.87	3.86	225
4.03	3.83	4.05	0.96	3.43	280
5.00	4.80	4.97	0.93	3.41	272
6.00	5.80	5.94	0.97	3.74	260
7.00	6.80	6.92	0.98	4.52	217
8.00	7.80	7.91	0.99	4.96	199
9.00	8.80	8.90	0.99	5.17	191
10.00	9.80	9.89	0.99	5.29	187
12.02	11.82	11.89	2.01	11.22	179
14.00	13.80	13.86	1.97	11.93	165
16.00	15.80	15.85	1.99	12.45	160
18.00	17.80	17.85	1.99	12.68	157
20.08	19.88	19.92	2.08	11.23	185
25.00	24.80	24.83	4.91	22.82	215

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-12
Date:	21-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
2.98	2.78	3.07	0.85	3.64	233
4.00	3.80	4.02	0.95	3.97	239
5.00	4.80	4.97	0.96	4.58	209
6.00	5.80	5.94	0.97	4.79	203
7.00	6.80	6.92	0.98	4.85	202
8.00	7.80	7.91	0.99	4.85	203
9.00	8.80	8.90	0.99	4.91	201
10.00	9.80	9.89	0.99	4.90	202
12.00	11.80	11.87	1.99	9.87	201
14.00	13.80	13.86	1.99	10.41	191
16.00	15.80	15.85	1.99	11.02	181
18.00	17.80	17.85	1.99	11.42	175
20.00	19.80	19.84	2.00	11.61	172
25.00	24.80	24.83	4.99	25.70	194
30.00	29.80	29.83	4.99	21.37	234

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-16
Date:	20-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.06			
3.03	2.83	3.00	0.94	3.86	244
4.00	3.80	3.93	0.93	4.00	232
5.00	4.80	4.90	0.97	4.69	208
6.02	5.82	5.91	1.00	5.37	187
7.98	7.78	7.84	1.94	10.13	191
10.00	9.80	9.85	2.01	10.53	191
12.00	11.80	11.84	1.99	10.19	195
14.02	13.82	13.86	2.01	11.43	176
16.05	15.85	15.88	2.03	12.53	162
18.00	17.80	17.83	1.95	11.44	170
20.03	19.83	19.86	2.03	11.10	183
24.92	24.72	24.74	4.89	18.75	261

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-01
Date:	12-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	2.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.60	2.40	3.69			
3.60	3.40	4.41	0.72	2.65	271
4.65	4.45	5.26	0.85	2.86	298
5.60	5.40	6.08	0.83	2.87	288
6.60	6.40	6.99	0.90	2.91	311
7.60	7.40	7.91	0.93	3.02	307
8.58	8.38	8.84	0.92	2.95	313
9.58	9.38	9.79	0.95	3.03	315
10.60	10.40	10.77	0.98	3.15	311
12.65	12.45	12.76	1.99	6.41	311
14.50	14.30	14.57	1.81	5.86	309
16.62	16.42	16.66	2.09	6.71	311
18.65	18.45	18.66	2.00	6.40	313
20.65	20.45	20.64	1.98	6.26	316
25.63	25.43	25.58	4.94	15.31	323

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-02
Date:	15-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	0.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	1.82			
3.00	2.80	2.82	0.99	4.96	200
5.00	4.80	4.81	1.99	11.02	181
6.00	5.80	5.81	1.00	5.94	168
7.00	6.80	6.81	1.00	6.09	164
8.38	8.18	8.19	1.38	8.25	167
9.00	8.80	8.81	0.62	3.67	169
10.00	9.80	9.81	1.00	4.82	208
12.00	11.80	11.80	2.00	7.71	259
14.00	13.80	13.80	2.00	6.72	298

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-03
Date:	04-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.20	2.00	2.39			
4.00	3.80	4.02	1.63	9.15	178
5.00	4.80	4.97	0.96	6.06	158
6.00	5.80	5.94	0.97	7.38	132
7.38	7.18	7.30	1.35	10.47	129
8.00	7.80	7.91	0.61	4.82	127
9.02	8.82	8.92	1.01	7.68	131
10.00	9.80	9.89	0.97	6.78	143
12.00	11.80	11.87	1.99	13.12	151
14.00	13.80	13.86	1.99	12.96	154
16.00	15.80	15.85	1.99	12.83	155
18.00	17.80	17.85	1.99	12.11	165
20.00	19.80	19.84	2.00	10.80	185
25.00	24.80	24.83	4.99	20.46	244
30.10	29.90	29.93	5.09	17.23	296

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-04
Date:	13-Dec-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.43	2.23	2.87			
3.00	2.80	3.33	0.46	3.10	150
4.00	3.80	4.21	0.88	6.16	142
5.00	4.80	5.13	0.92	6.39	144
6.00	5.80	6.07	0.95	6.61	143
7.00	6.80	7.03	0.96	6.94	139
8.00	7.80	8.01	0.97	7.08	137
9.00	8.80	8.98	0.98	7.17	136
10.00	9.80	9.96	0.98	7.57	130
12.00	11.80	11.94	1.97	15.01	131
14.00	13.80	13.92	1.98	14.74	134
16.00	15.80	15.90	1.99	15.03	132
18.00	17.80	17.89	1.99	14.82	134
20.00	19.80	19.88	1.99	13.38	149
25.00	24.80	24.87	4.98	31.42	159
30.00	29.80	29.85	4.99	24.25	206
35.00	34.80	34.85	4.99	16.99	294
40.00	39.80	39.84	4.99	16.43	304

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-SOS-CPT-02
Date:	12-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	5.52	126
3.00	2.80	3.09	0.87	5.00	174
4.00	3.80	4.02	0.93	5.41	172
5.00	4.80	4.97	0.96	5.63	170
6.00	5.80	5.94	0.97	5.61	173
7.00	6.80	6.92	0.98	5.66	173
8.00	7.80	7.91	0.99	5.60	176
9.00	8.80	8.90	0.99	5.61	176
10.00	9.80	9.89	0.99	5.58	178
12.00	11.80	11.87	1.99	11.14	178
14.00	13.80	13.86	1.99	11.35	175
16.00	15.80	15.85	1.99	11.44	174
18.00	17.80	17.85	1.99	11.46	174
20.00	19.80	19.84	2.00	10.14	197
25.02	24.82	24.85	5.01	22.93	219

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-01
Date:	17-Jan-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.05	2.85	3.13			
5.00	4.80	4.97	1.84	10.41	177
6.00	5.80	5.94	0.97	5.82	167
7.00	6.80	6.92	0.98	4.88	201
8.02	7.82	7.93	1.00	4.95	203
9.00	8.80	8.90	0.97	4.97	195
10.00	9.80	9.89	0.99	4.95	200
12.00	11.80	11.87	1.99	9.93	200
14.00	13.80	13.86	1.99	9.78	204
16.20	16.00	16.05	2.19	10.75	204
17.98	17.78	17.83	1.77	8.40	211
20.00	19.80	19.84	2.02	8.13	248
21.02	20.82	20.86	1.02	3.81	267

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-01A
Date:	19-Jan-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	3.03	286
4.00	3.80	4.02	0.93	3.99	233
5.00	4.80	4.97	0.96	4.13	232
6.00	5.80	5.94	0.97	4.22	230
7.00	6.80	6.92	0.98	4.18	234
8.00	7.80	7.91	0.99	4.14	238
9.00	8.80	8.90	0.99	3.83	258

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-03
Date:	26-Jan-2022
Seismic Source:	Plate
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
5.00	4.80	5.13			
5.98	5.78	6.05	0.93	3.58	259
7.00	6.80	7.03	0.98	5.04	195
8.00	7.80	8.01	0.97	4.99	195
9.02	8.82	9.00	1.00	5.30	188
10.00	9.80	9.96	0.96	4.66	206
12.00	11.80	11.94	1.97	8.52	232

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-04
Date:	30-Jan-2022
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.55			
3.00	2.80	3.33	0.78	4.28	183
4.00	3.80	4.21	0.88	5.14	170
5.00	4.80	5.13	0.92	5.74	160
6.00	5.80	6.07	0.95	6.01	158
7.00	6.80	7.03	0.96	5.97	161
8.00	7.80	8.01	0.97	5.65	172
9.00	8.80	8.98	0.98	5.50	178
10.00	9.80	9.96	0.98	5.39	182
11.00	10.80	10.95	0.99	4.38	225
12.00	11.80	11.94	0.99	4.29	230
13.00	12.80	12.93	0.99	4.22	235
14.00	13.80	13.92	0.99	4.25	233
15.00	14.80	14.91	0.99	4.22	235
16.00	15.80	15.90	0.99	4.21	236
18.00	17.80	17.89	1.99	8.53	233
20.00	19.80	19.88	1.99	8.10	246

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-08
Date:	24-Oct-2021
Seismic Source:	Beam
Seismic Offset (m):	2.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.02	1.82	2.70			
3.00	2.80	3.44	0.74	3.03	243
5.00	4.80	5.20	1.76	6.75	261
6.00	5.80	6.14	0.94	4.12	227
7.00	6.80	7.09	0.95	5.56	171
8.00	7.80	8.05	0.96	5.75	168
9.00	8.80	9.02	0.97	5.74	170
10.00	9.80	10.00	0.98	5.70	172
11.00	10.80	10.98	0.98	5.38	183
12.00	11.80	11.97	0.98	5.06	195
14.00	13.80	13.94	1.98	8.66	228
16.00	15.80	15.93	1.98	8.43	235
18.00	17.80	17.91	1.99	7.65	260

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-09
Date:	05-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.05	1.85	2.26			
3.03	2.83	3.11	0.85	3.09	277
4.00	3.80	4.02	0.90	3.53	256
5.00	4.80	4.97	0.96	3.86	248
6.00	5.80	5.94	0.97	3.97	245
7.02	6.82	6.94	1.00	3.75	267
8.00	7.80	7.91	0.97	3.42	283
9.00	8.80	8.90	0.99	3.59	276

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-10
Date:	22-Jan-2022
Seismic Source:	Beam
Seismic Offset (m):	1.20
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.65	1.45	1.88			
2.43	2.23	2.53	0.65	2.89	225
3.00	2.80	3.05	0.51	2.18	236
4.00	3.80	3.99	0.94	4.44	212
5.00	4.80	4.95	0.96	4.82	200
5.65	5.45	5.58	0.63	3.26	194
7.00	6.80	6.91	1.32	6.80	195
8.00	7.80	7.89	0.99	4.55	217
9.00	8.80	8.88	0.99	4.57	217
10.00	9.80	9.87	0.99	4.61	215
12.00	11.80	11.86	1.99	9.32	213
14.00	13.80	13.85	1.99	9.37	213
16.00	15.80	15.85	1.99	7.68	260
18.00	17.80	17.84	1.99	7.44	268

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-13
Date:	24-Jan-2022
Seismic Source:	Beam
Seismic Offset (m):	1.20
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.44			
2.00	1.80	2.16	0.72	3.47	208
3.00	2.80	3.05	0.88	3.86	229
4.00	3.80	3.99	0.94	5.29	178
5.00	4.80	4.95	0.96	5.29	182
6.00	5.80	5.92	0.98	4.96	197
7.00	6.80	6.91	0.98	4.19	235
8.00	7.80	7.89	0.99	3.85	257
9.90	9.70	9.77	1.88	7.06	267

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-14
Date:	21-Oct-2021
Seismic Source:	Beam
Seismic Offset (m):	0.95
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
0.92	0.72	1.19			
1.98	1.78	2.02	0.83	5.22	158
3.03	2.83	2.99	0.97	5.32	182
4.05	3.85	3.97	0.98	4.96	198
5.03	4.83	4.92	0.96	5.40	177
6.00	5.80	5.88	0.95	5.62	170
7.02	6.82	6.89	1.01	5.89	171
8.02	7.82	7.88	0.99	5.69	174
9.02	8.82	8.87	0.99	5.58	178
10.02	9.82	9.87	1.00	5.54	180
12.05	11.85	11.89	2.02	10.82	187
14.05	13.85	13.88	2.00	10.23	195
16.05	15.85	15.88	2.00	10.13	197
18.00	17.80	17.83	1.95	9.80	199
20.00	19.80	19.82	2.00	9.05	221

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-15
Date:	10-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	3.97	175
3.00	2.80	3.09	0.87	3.42	254
4.00	3.80	4.02	0.93	4.04	230
5.00	4.80	4.97	0.96	4.34	221
6.00	5.80	5.94	0.97	4.30	226
7.02	6.82	6.94	1.00	4.52	221
8.02	7.82	7.93	0.98	4.30	229
9.00	8.80	8.90	0.97	4.87	199
10.00	9.80	9.89	0.99	5.28	188

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-17
Date:	10-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.35	2.15	2.51			
2.98	2.78	3.07	0.56	3.63	154
4.00	3.80	4.02	0.95	6.23	152
5.05	4.85	5.02	1.01	5.94	169
6.00	5.80	5.94	0.92	5.36	172
7.02	6.82	6.94	1.00	5.61	178
8.02	7.82	7.93	0.98	5.69	173
9.00	8.80	8.90	0.97	5.22	186

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-18
Date:	02-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	4.82	180
4.00	3.80	4.02	0.93	6.06	153
5.00	4.80	4.97	0.96	6.06	158
6.00	5.80	5.94	0.97	6.15	158
7.00	6.80	6.92	0.98	6.11	160
8.00	7.80	7.91	0.99	5.79	170
9.00	8.80	8.90	0.99	5.56	178
10.00	9.80	9.89	0.99	5.60	177
12.00	11.80	11.87	1.99	11.40	174
14.00	13.80	13.86	1.99	11.67	171
16.00	15.80	15.85	1.99	12.08	165
18.00	17.80	17.85	1.99	11.27	177
20.00	19.80	19.84	2.00	10.47	191
25.00	24.80	24.83	4.99	21.18	236

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-20
Date:	25-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.28			
2.00	1.80	2.06	0.78	10.13	77
3.00	2.80	2.97	0.91	6.17	148
4.00	3.80	3.93	0.96	5.84	164
5.00	4.80	4.90	0.97	7.27	134
5.98	5.78	5.87	0.96	7.18	134
6.93	6.73	6.80	0.94	7.03	133
7.98	7.78	7.84	1.04	6.70	155
9.00	8.80	8.86	1.01	6.30	161
9.98	9.78	9.83	0.97	5.73	170
12.00	11.80	11.84	2.01	11.02	183
14.00	13.80	13.84	1.99	10.25	195
16.00	15.80	15.83	2.00	9.13	219
18.00	17.80	17.83	2.00	8.32	240
20.18	19.98	20.01	2.18	8.00	272

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-21
Date:	23-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.28			
1.98	1.78	2.04	0.76	5.84	130
3.00	2.80	2.97	0.93	6.61	141
4.00	3.80	3.93	0.96	5.51	174
5.00	4.80	4.90	0.97	6.50	150
6.00	5.80	5.89	0.98	7.61	129
7.00	6.80	6.87	0.99	7.45	133
7.98	7.78	7.84	0.97	7.20	135
9.00	8.80	8.86	1.01	7.43	136
10.00	9.80	9.85	0.99	7.12	140
12.00	11.80	11.84	1.99	12.60	158
14.00	13.80	13.84	1.99	8.34	239
16.00	15.80	15.83	2.00	7.86	254
18.03	17.83	17.86	2.03	7.68	264
20.00	19.80	19.83	1.97	7.30	269

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-23
Date:	18-Mar-2022
Seismic Source:	Beam
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.28			
2.00	1.80	2.06	0.78	4.26	183
3.00	2.80	2.97	0.91	3.78	242
4.00	3.80	3.93	0.96	3.80	252
5.00	4.80	4.90	0.97	4.53	215
6.00	5.80	5.89	0.98	5.39	182
7.00	6.80	6.87	0.99	5.77	171
8.00	7.80	7.86	0.99	5.69	174
9.00	8.80	8.86	0.99	5.69	175
10.00	9.80	9.85	0.99	5.62	177
12.02	11.82	11.86	2.01	11.57	174
14.00	13.80	13.84	1.97	11.90	166
16.00	15.80	15.83	2.00	12.34	162
17.98	17.78	17.81	1.98	12.35	160
20.02	19.82	19.85	2.04	12.41	164
22.00	21.80	21.82	1.98	9.29	213
24.02	23.82	23.84	2.02	7.05	286

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-102
Date:	27-Nov-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.55			
3.00	2.80	3.33	0.78	3.31	237
4.00	3.80	4.21	0.88	4.74	185
5.00	4.80	5.13	0.92	6.06	152
6.00	5.80	6.07	0.95	6.02	157
7.00	6.80	7.03	0.96	6.33	152
8.00	7.80	8.01	0.97	6.20	157
9.00	8.80	8.98	0.98	6.13	159
10.00	9.80	9.96	0.98	5.83	168
12.00	11.80	11.94	1.97	11.14	177
14.00	13.80	13.92	1.98	10.25	193
15.00	14.80	14.91	0.99	4.63	214
16.00	15.80	15.90	0.99	4.08	244
18.00	17.80	17.89	1.99	7.83	254
20.00	19.80	19.88	1.99	5.95	335
25.00	24.80	24.87	4.98	14.44	345

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WOS-CPT-01
Date:	28-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	5.40	129
3.00	2.80	3.09	0.87	4.52	192
4.00	3.80	4.02	0.93	4.56	204
5.00	4.80	4.97	0.96	4.85	197
6.00	5.80	5.94	0.97	4.92	197
7.00	6.80	6.92	0.98	4.85	202
8.00	7.80	7.91	0.99	5.07	194
9.00	8.80	8.90	0.99	5.29	187
10.00	9.80	9.89	0.99	5.51	180
12.00	11.80	11.87	1.99	11.35	175
14.18	13.98	14.04	2.17	13.11	165
16.00	15.80	15.85	1.81	11.90	152
18.03	17.83	17.88	2.02	12.56	161
20.03	19.83	19.87	2.00	11.13	179

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-10
Date:	08-Jan-2022
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.55	1.35	2.25			
2.00	1.80	2.55	0.30	2.34	126
3.00	2.80	3.33	0.78	5.92	132
4.00	3.80	4.21	0.88	4.96	177
5.00	4.80	5.13	0.92	4.41	209
6.02	5.82	6.09	0.97	4.69	206
7.00	6.80	7.03	0.94	5.37	175
8.00	7.80	8.01	0.97	5.42	179
9.00	8.80	8.98	0.98	5.61	174
10.00	9.80	9.96	0.98	5.64	174
12.00	11.80	11.94	1.97	11.70	169
14.00	13.80	13.92	1.98	12.16	163
16.00	15.80	15.90	1.99	12.28	162
18.00	17.80	17.89	1.99	11.51	173

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-14
Date:	12-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	6.61	105
3.00	2.80	3.09	0.87	3.86	225
4.00	3.80	4.02	0.93	3.44	270
5.03	4.83	5.00	0.99	3.58	275
9.05	8.85	8.95	3.94	12.53	315
10.00	9.80	9.89	0.94	2.89	325
12.02	11.82	11.89	2.01	5.10	394

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-15
Date:	16-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.02	1.82	2.24	0.71	4.78	149
3.00	2.80	3.09	0.85	4.61	185
4.00	3.80	4.02	0.93	4.73	197

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-16
Date:	14-Feb-2022
Seismic Source:	Beam
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
3.00	2.80	3.09	1.56	13.23	118
4.00	3.80	4.02	0.93	7.16	130
5.00	4.80	4.97	0.96	6.89	139
9.00	8.80	8.90	3.92	14.05	279

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-17
Date:	09-Dec-2021
Seismic Source:	Beam
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

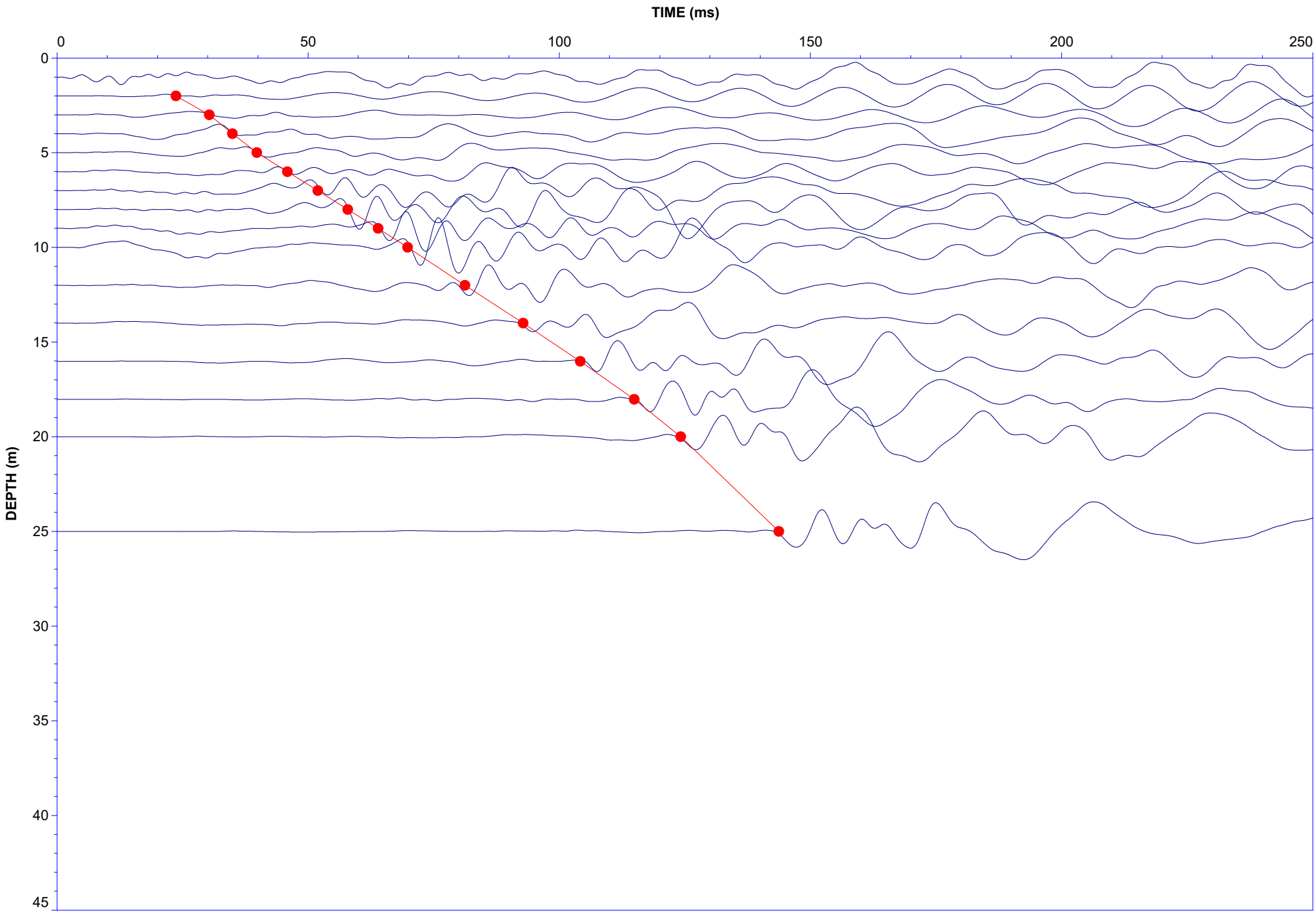
SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.60	1.40	2.28			
2.00	1.80	2.55	0.27	1.94	138
3.03	2.83	3.35	0.81	4.82	168
5.00	4.80	5.13	1.77	9.22	192
6.63	6.43	6.68	1.55	8.22	189
7.02	6.82	7.05	0.38	1.81	209

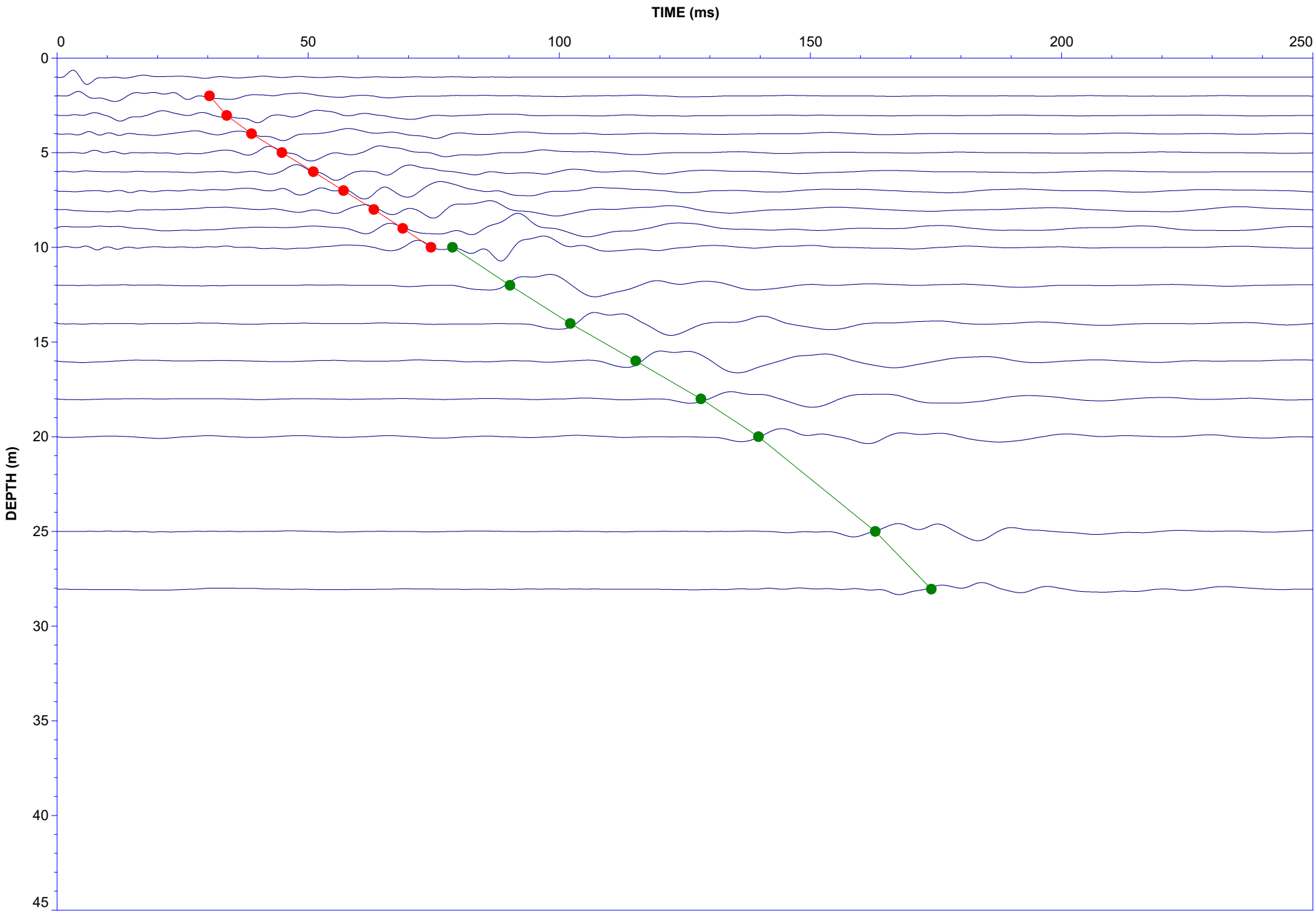
Seismic Cone Penetration Test Shear Wave (Vs) Traces

CONETEC

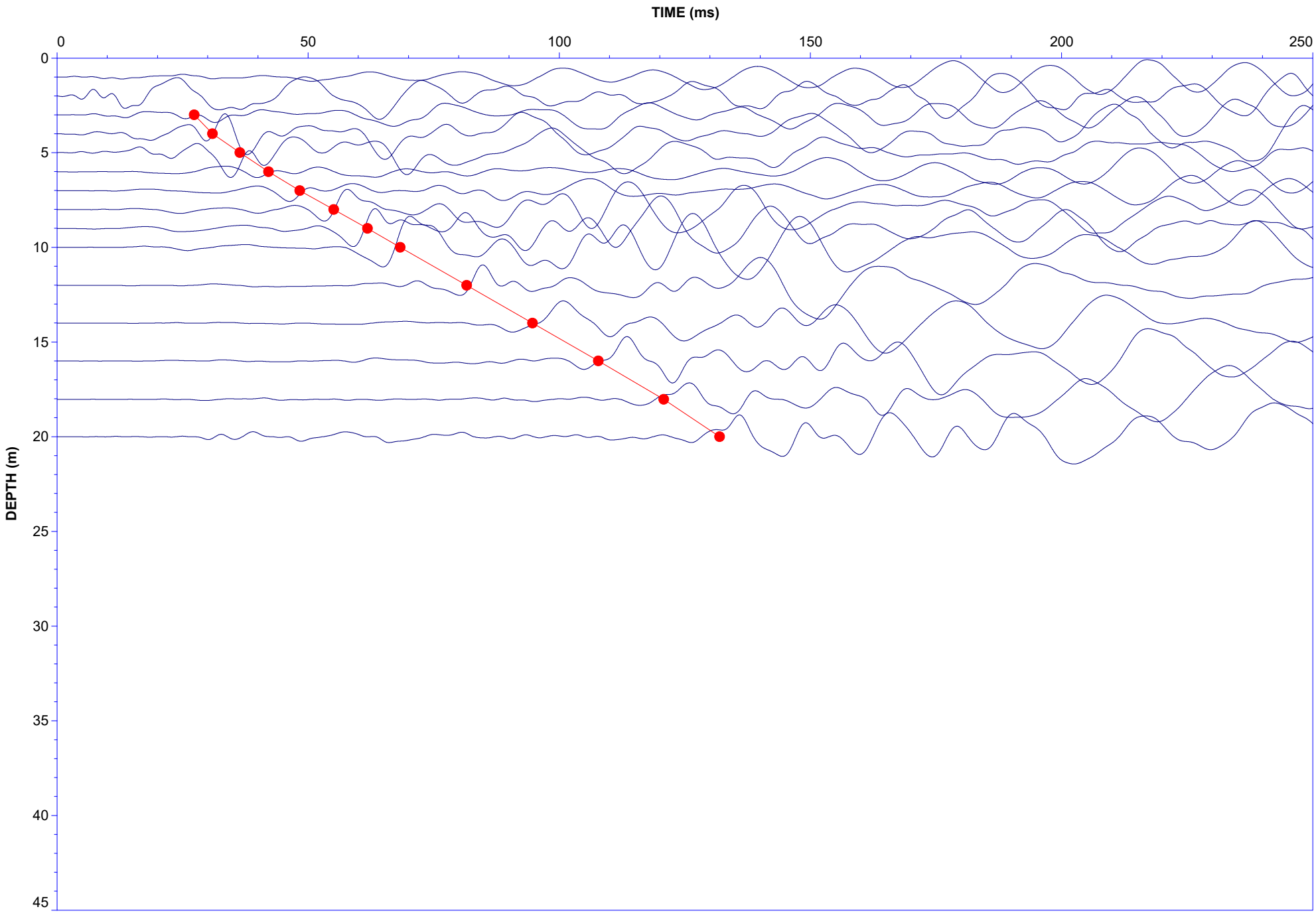
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-HG-CPT-01
Date: 02-Mar-2022



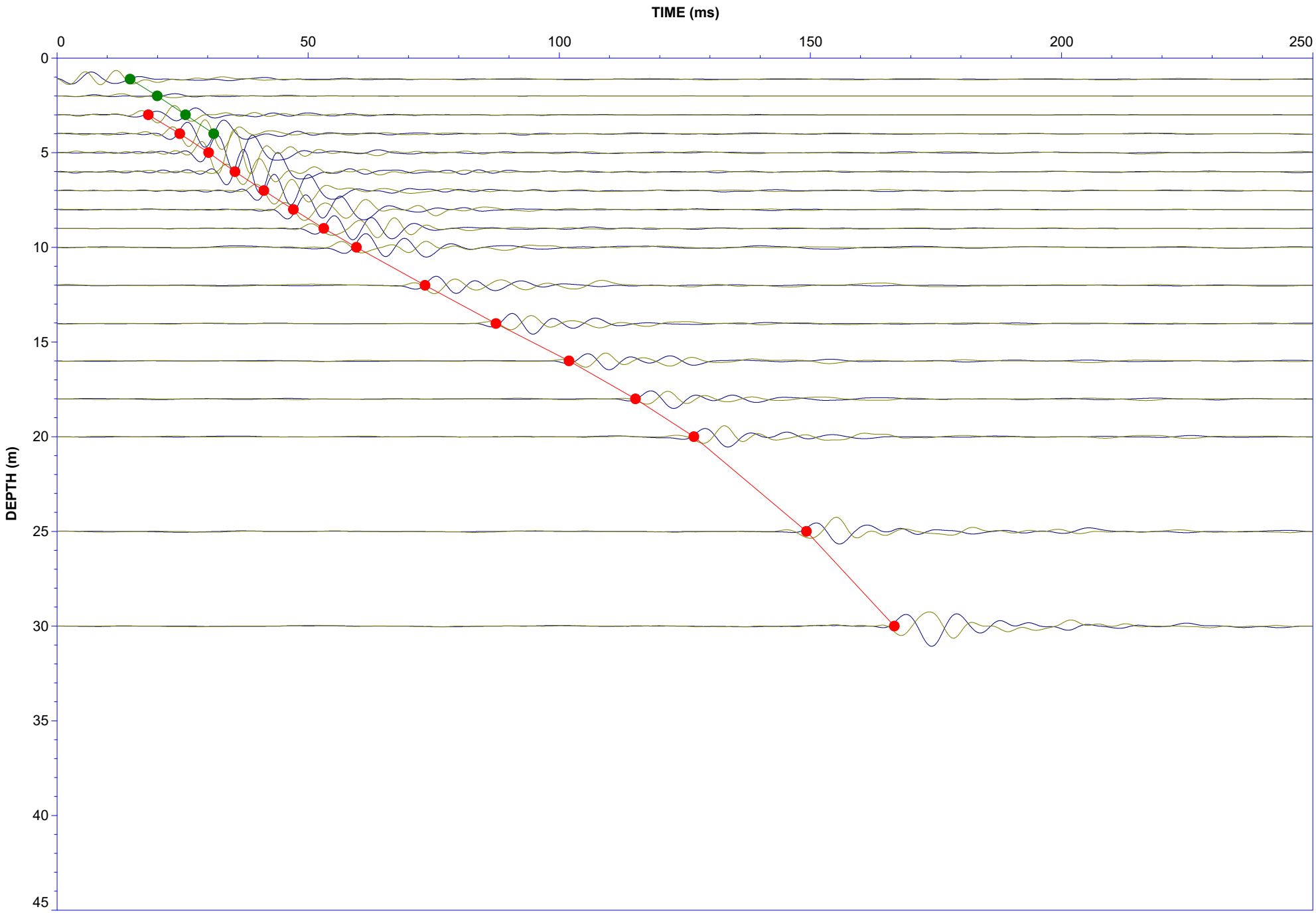
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-HG-CPT-03
Date: 01-Mar-2022



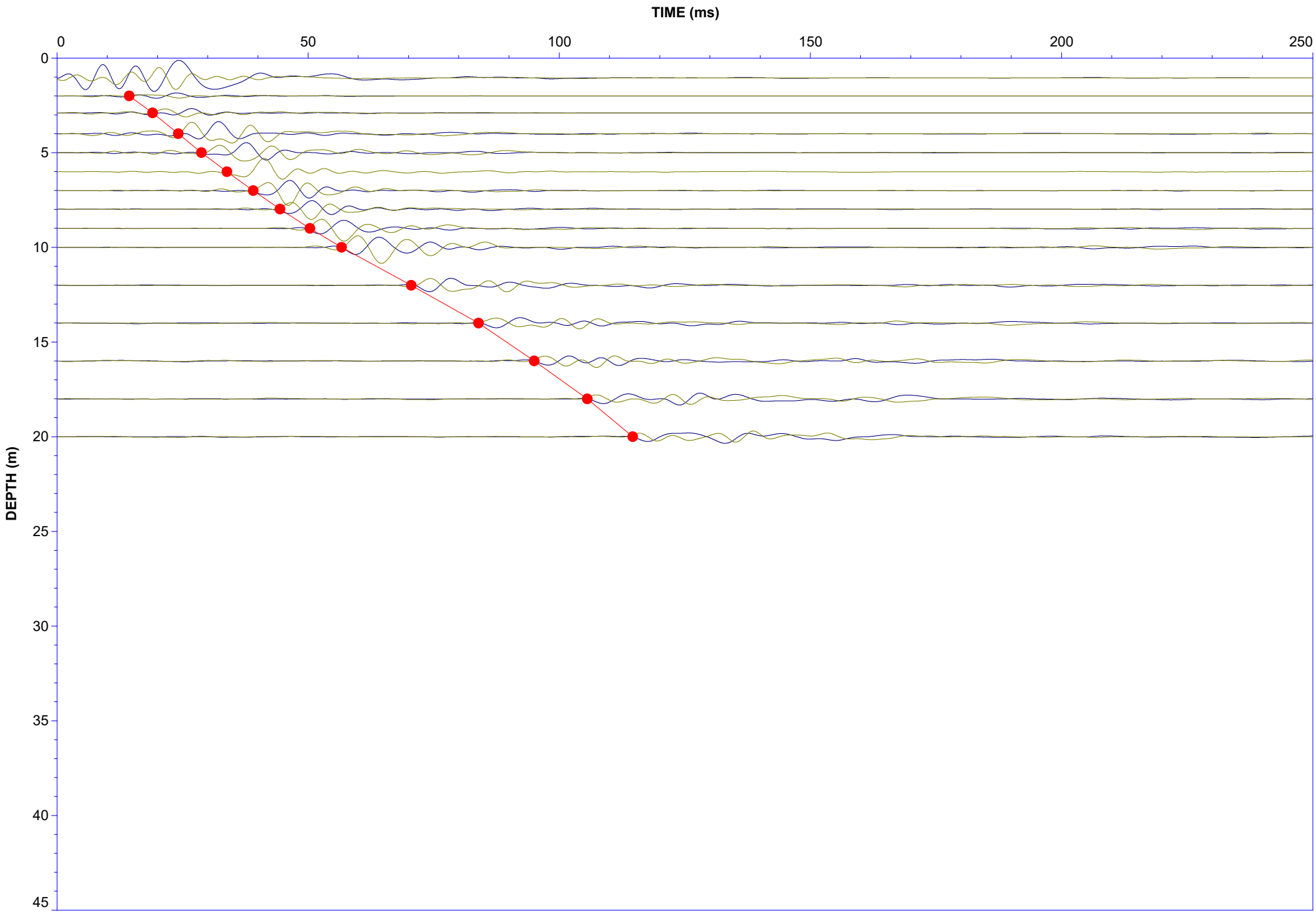
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-LG-CPT-01B
Date: 05-Mar-2022



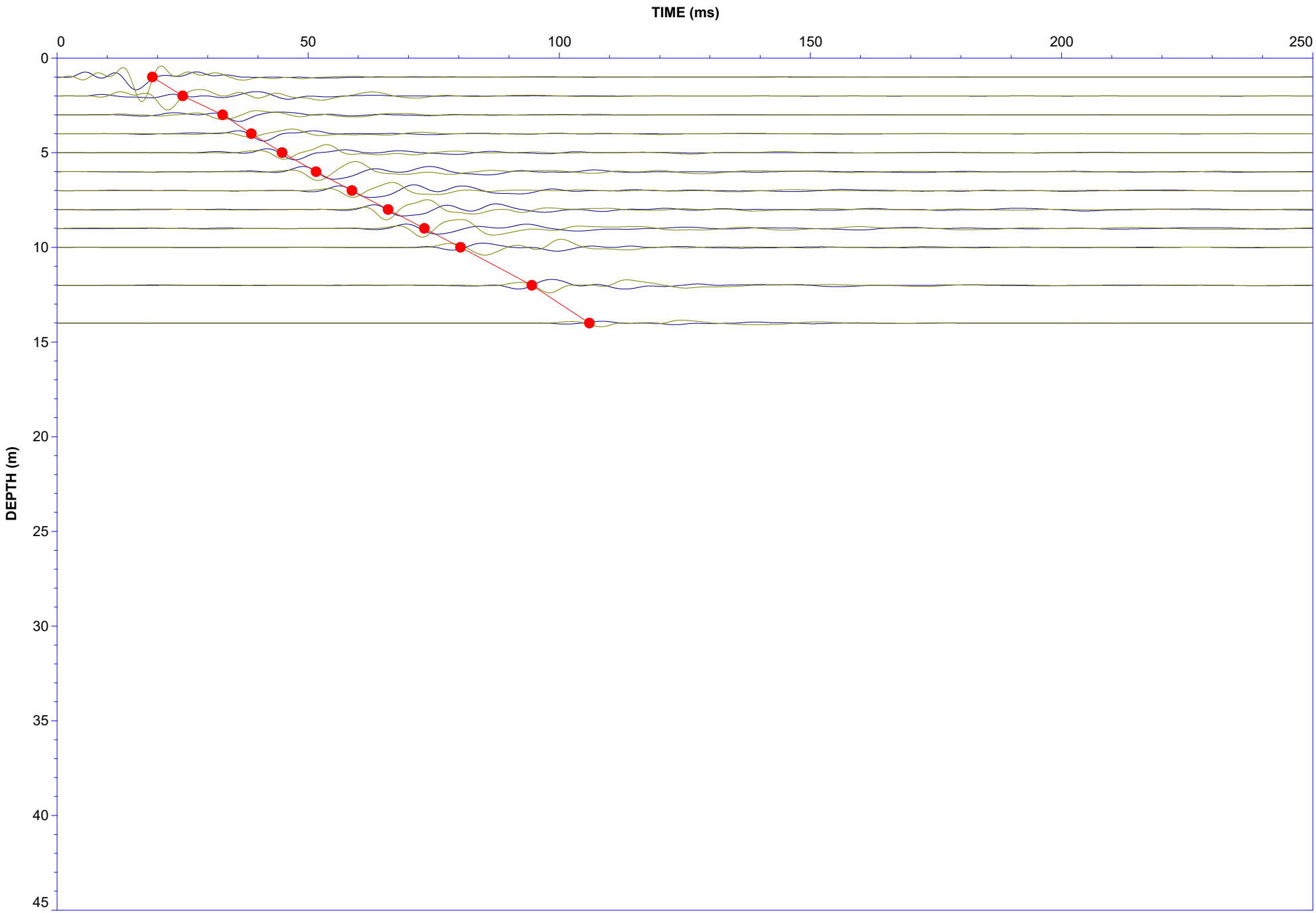
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-200Hz | Sounding: SRK-LG-CPT-02 | Date: 26-Feb-2022



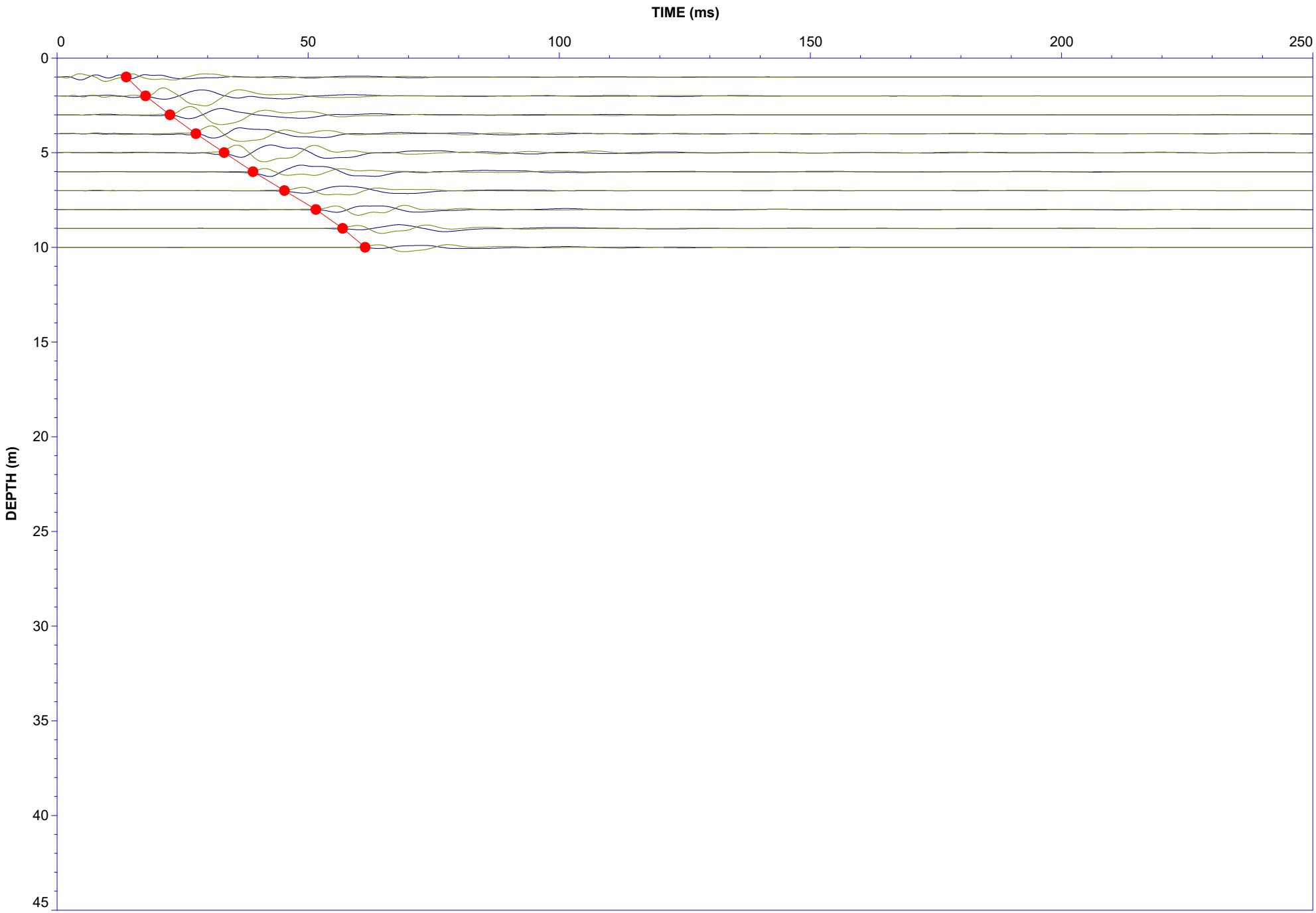
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-200Hz | Sounding: SRK-LG-CPT-03 | Date: 21-Mar-2022



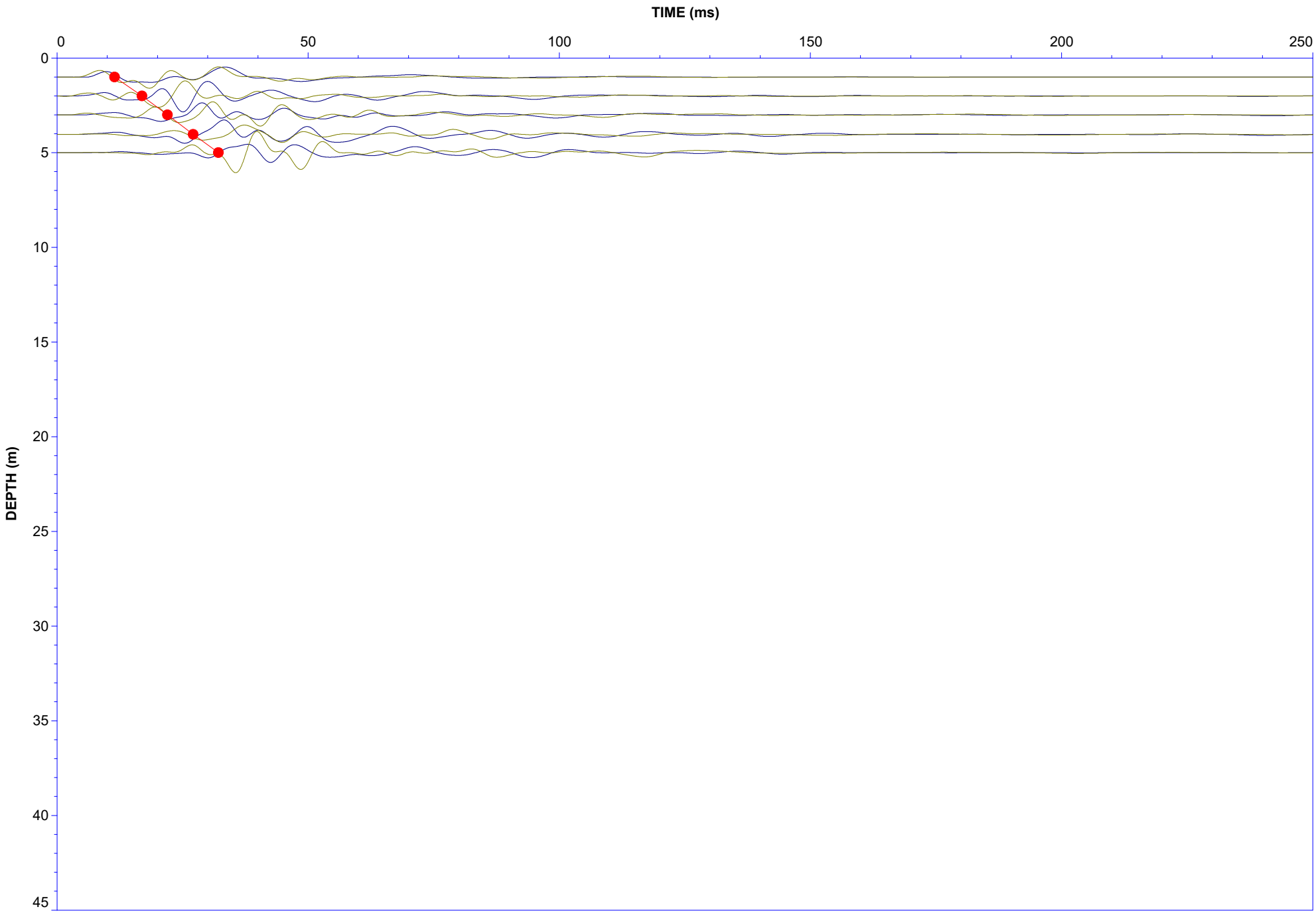
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-200Hz | Sounding: SRK-LG-CPT-05 | Date: 25-Nov-2021



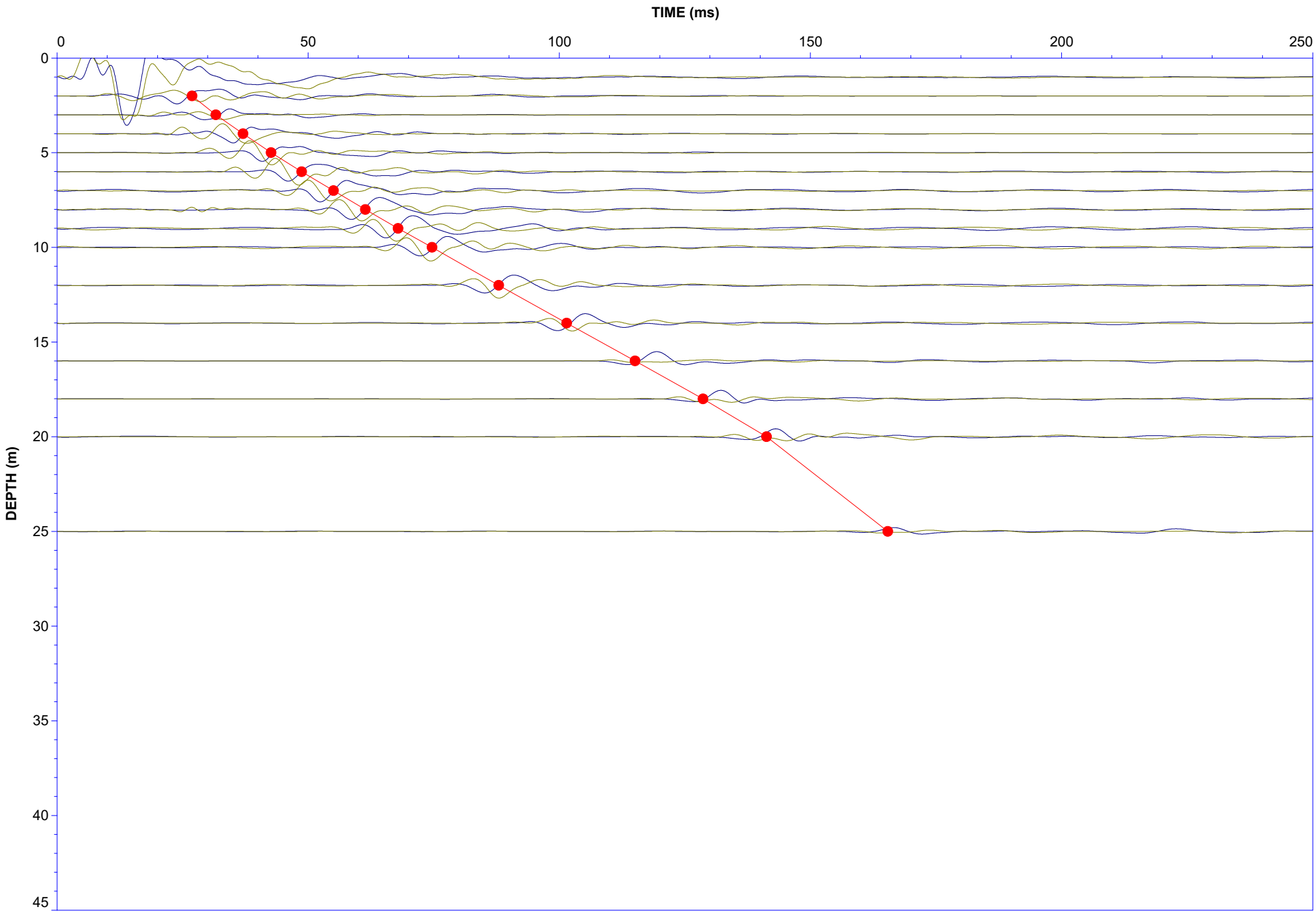
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-LG-CPT-06 | Date: 06-Mar-2022



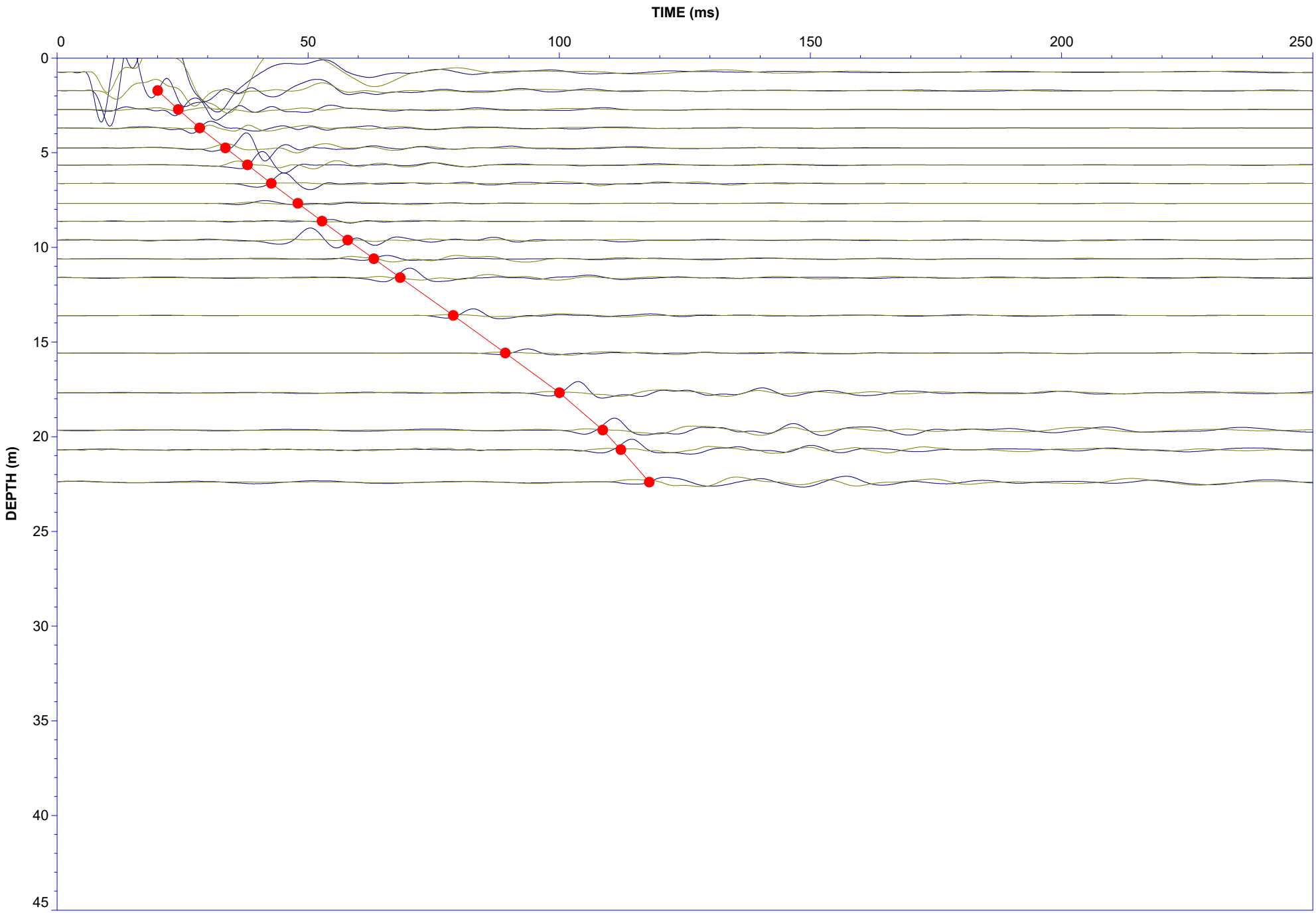
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-LGS-CPT-01
Date: 21-Nov-2021



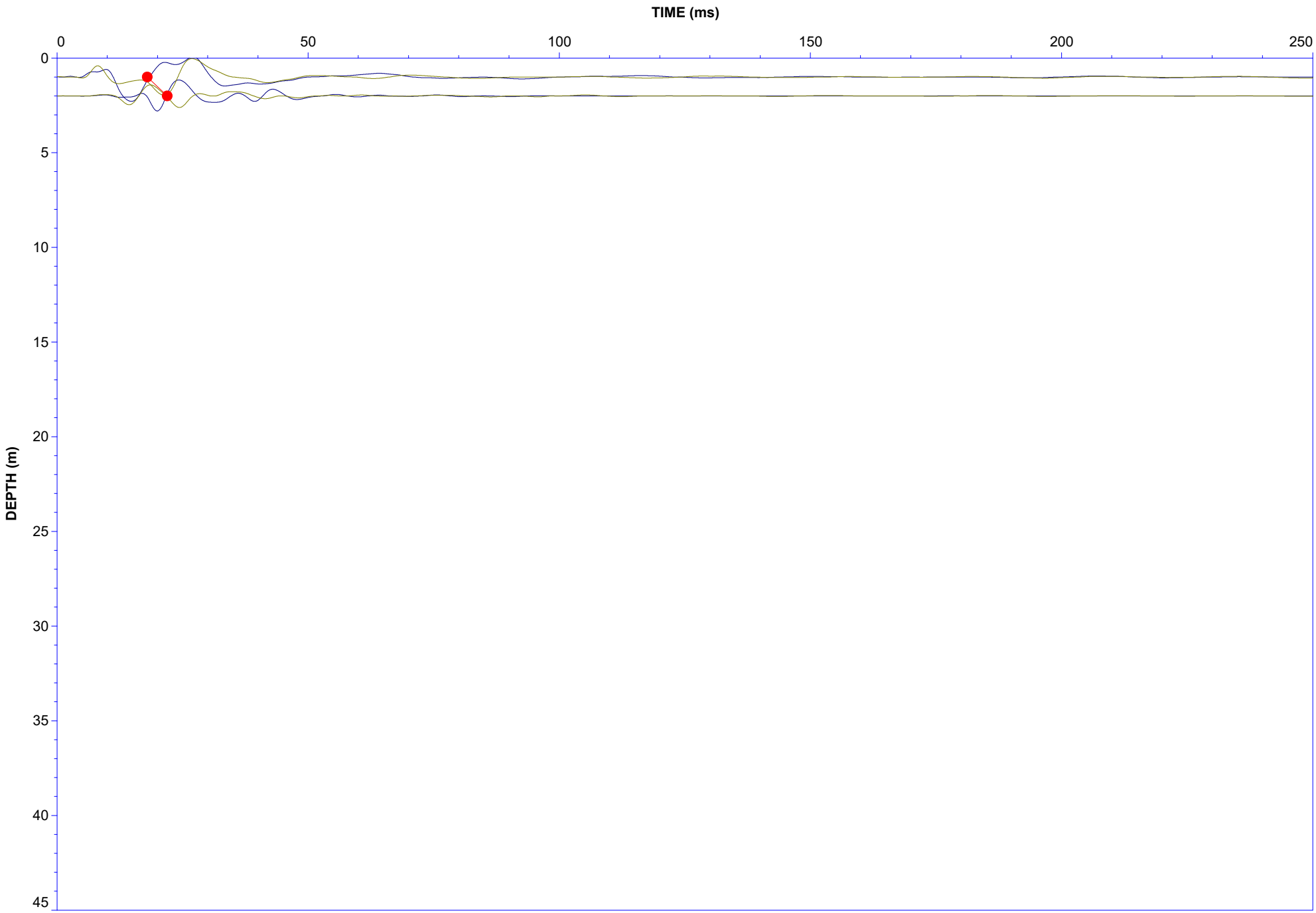
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-LGS-CPT-05
Date: 21-Nov-2021



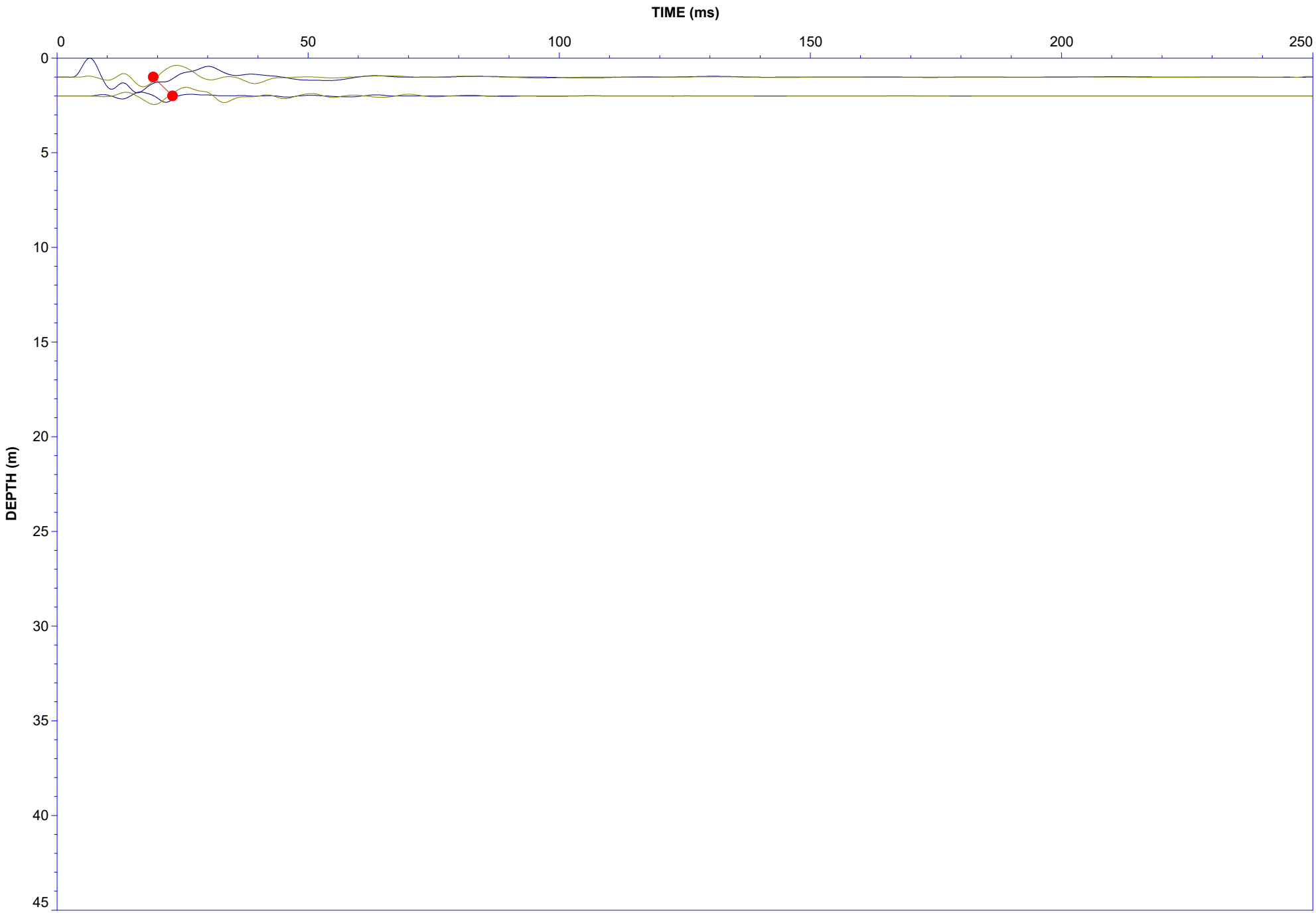
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-NWR-CPT-01
Date: 12-Nov-2021



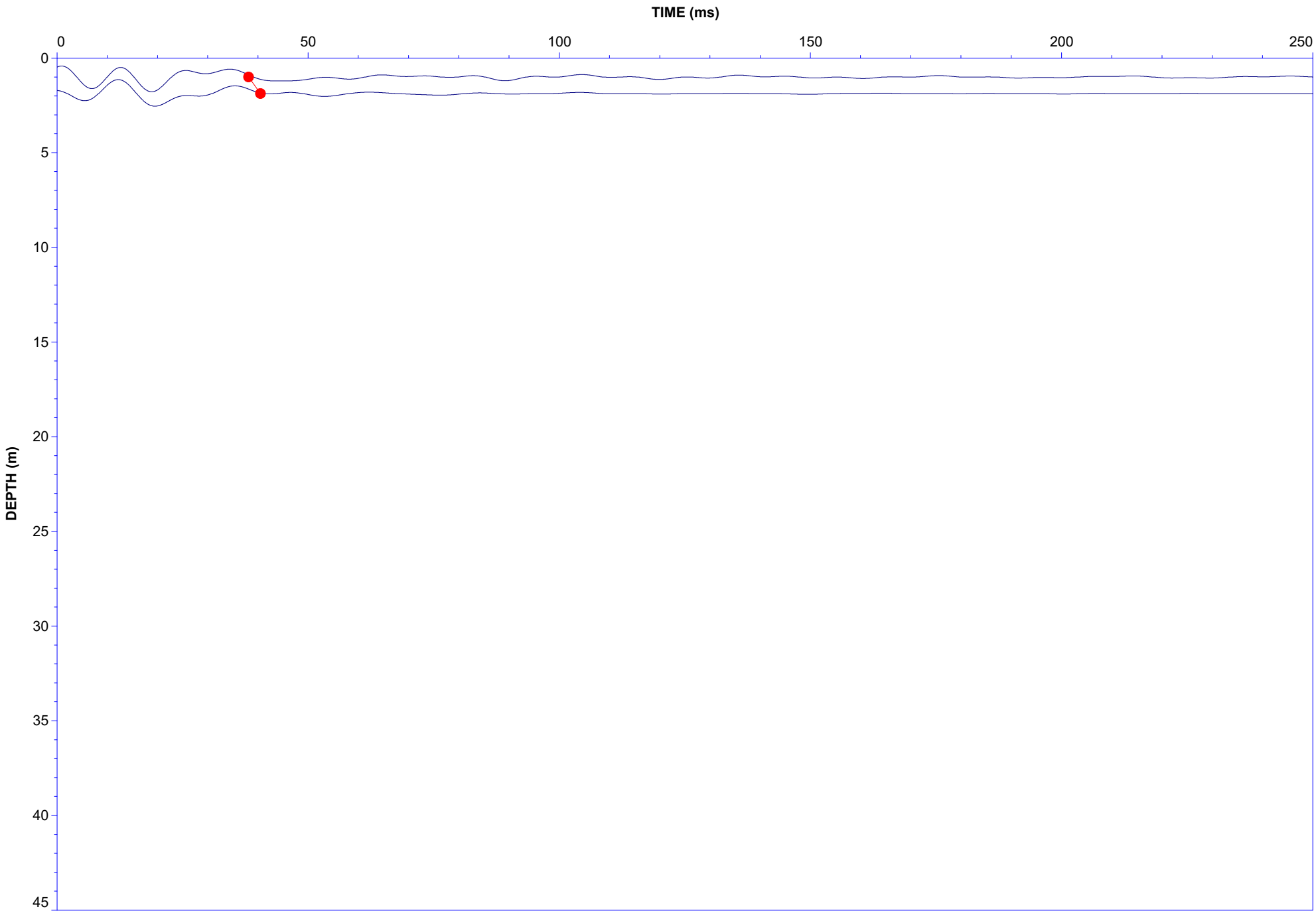
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-NWR-CPT-07
Date: 16-Nov-2021



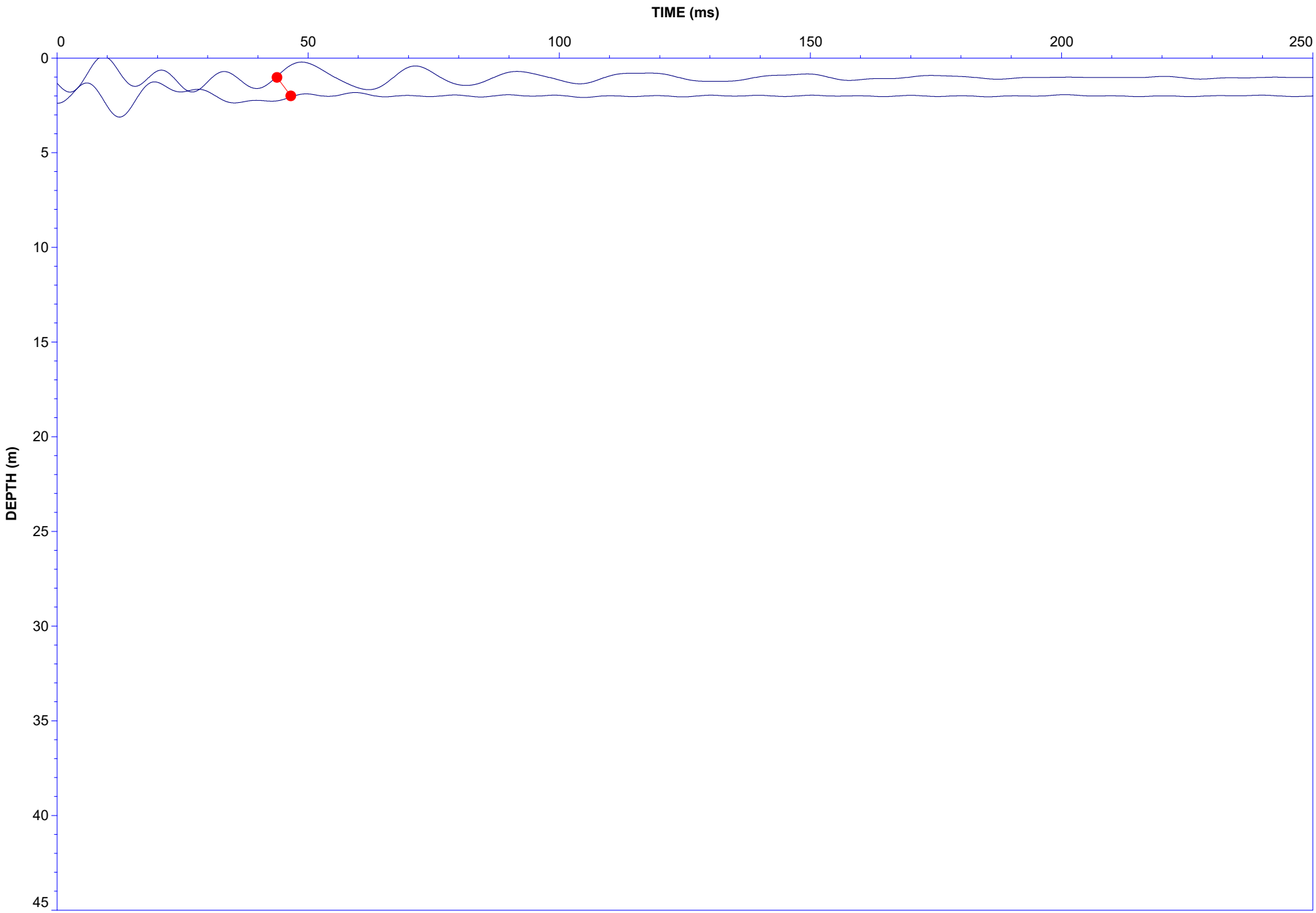
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-NWR-CPT-07B
Date: 16-Nov-2021



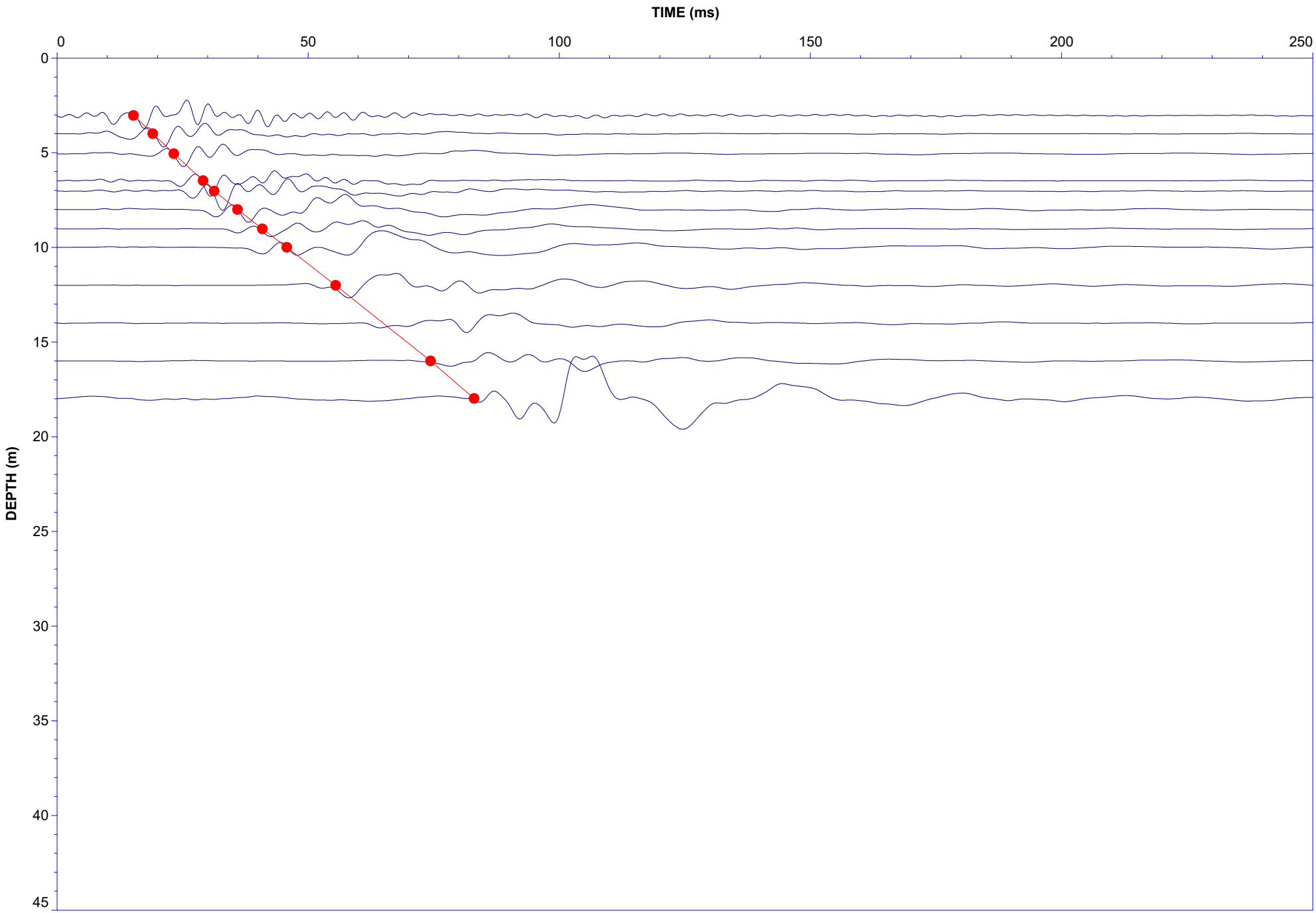
Job No: 21-02-23004	Client: Canada Nickel Company	Project: Crawford Mine	Filter: 0-100Hz	Sounding: SRK-OP-CPT-01	Date: 06-Dec-2021



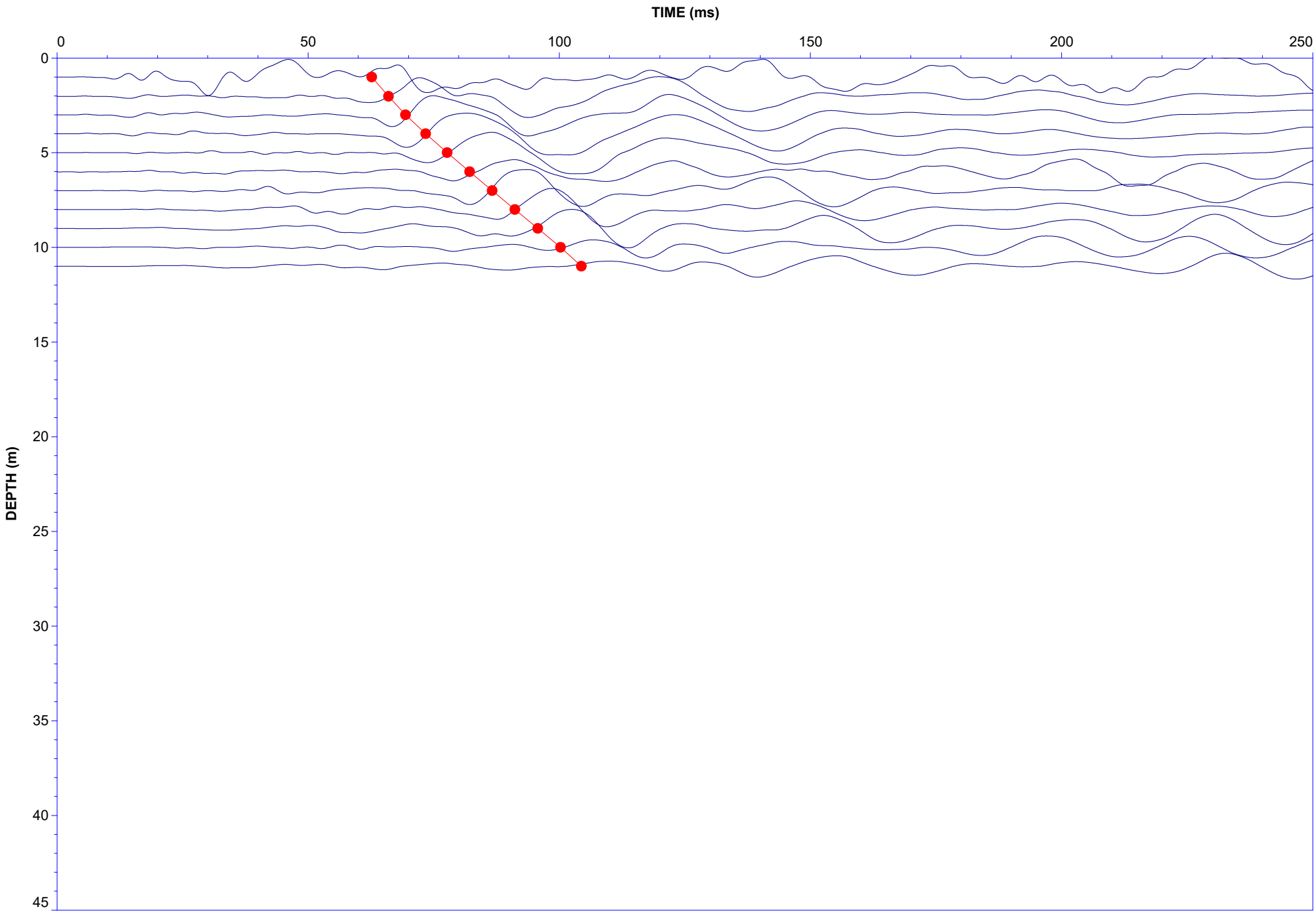
Job No: 21-02-23004	Client: Canada Nickel Company	Project: Crawford Mine	Filter: 0-100Hz	Sounding: SRK-OP-CPT-01B	Date: 06-Dec-2021



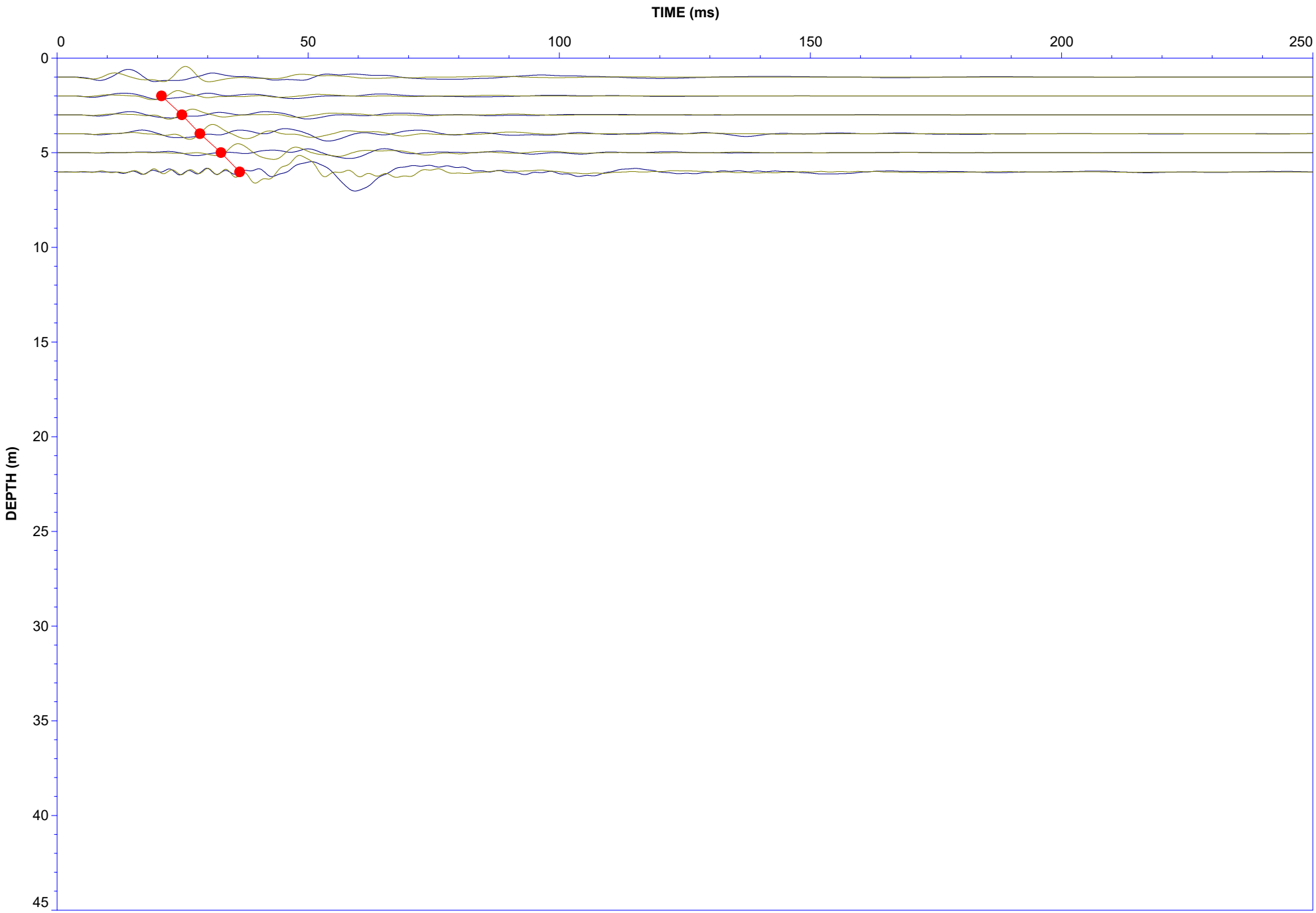
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-01C
Date: 06-Dec-2021



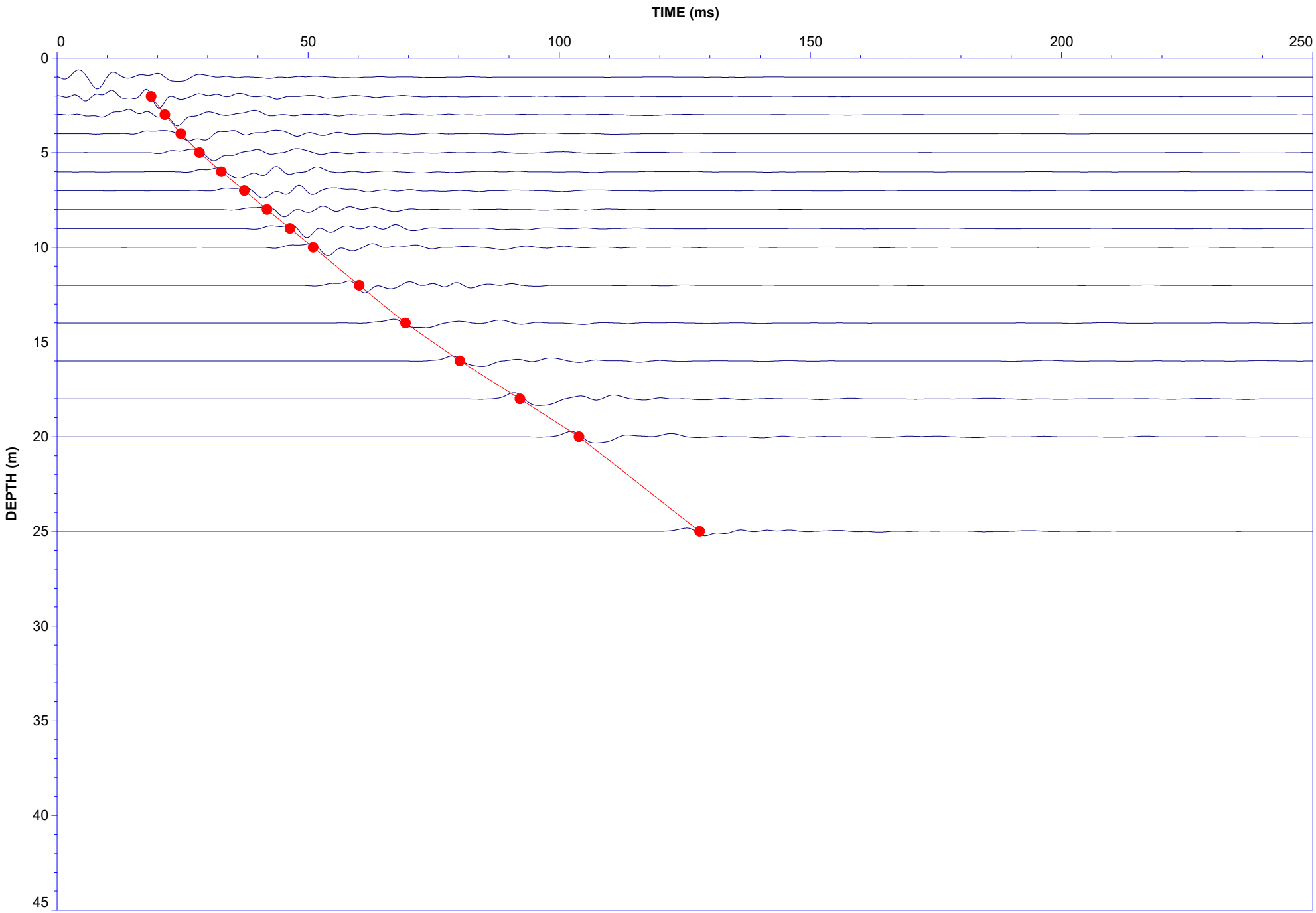
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-250Hz | Sounding: SRK-OP-CPT-02 | Date: 19-Nov-2021



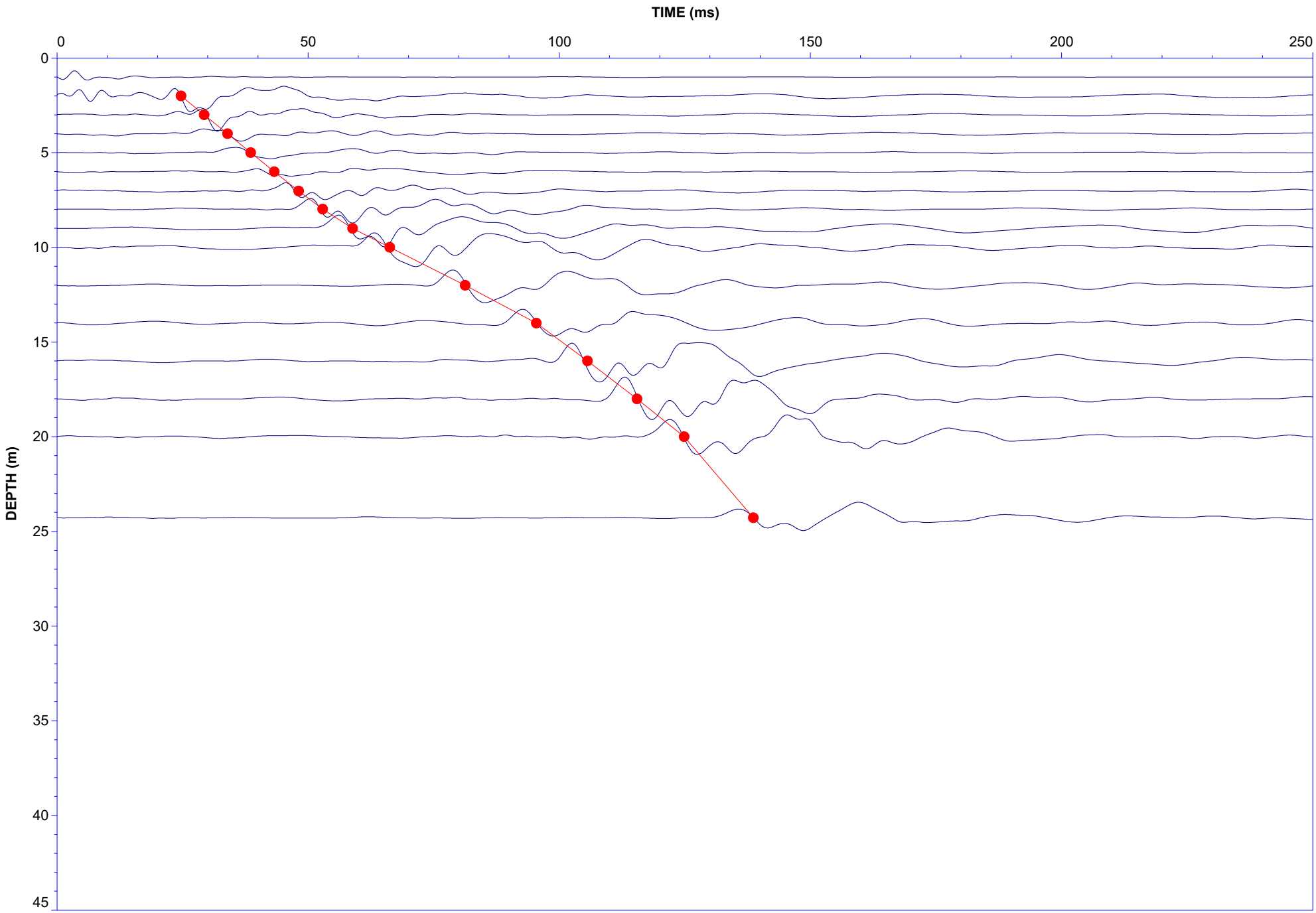
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-05B
Date: 13-Oct-2021



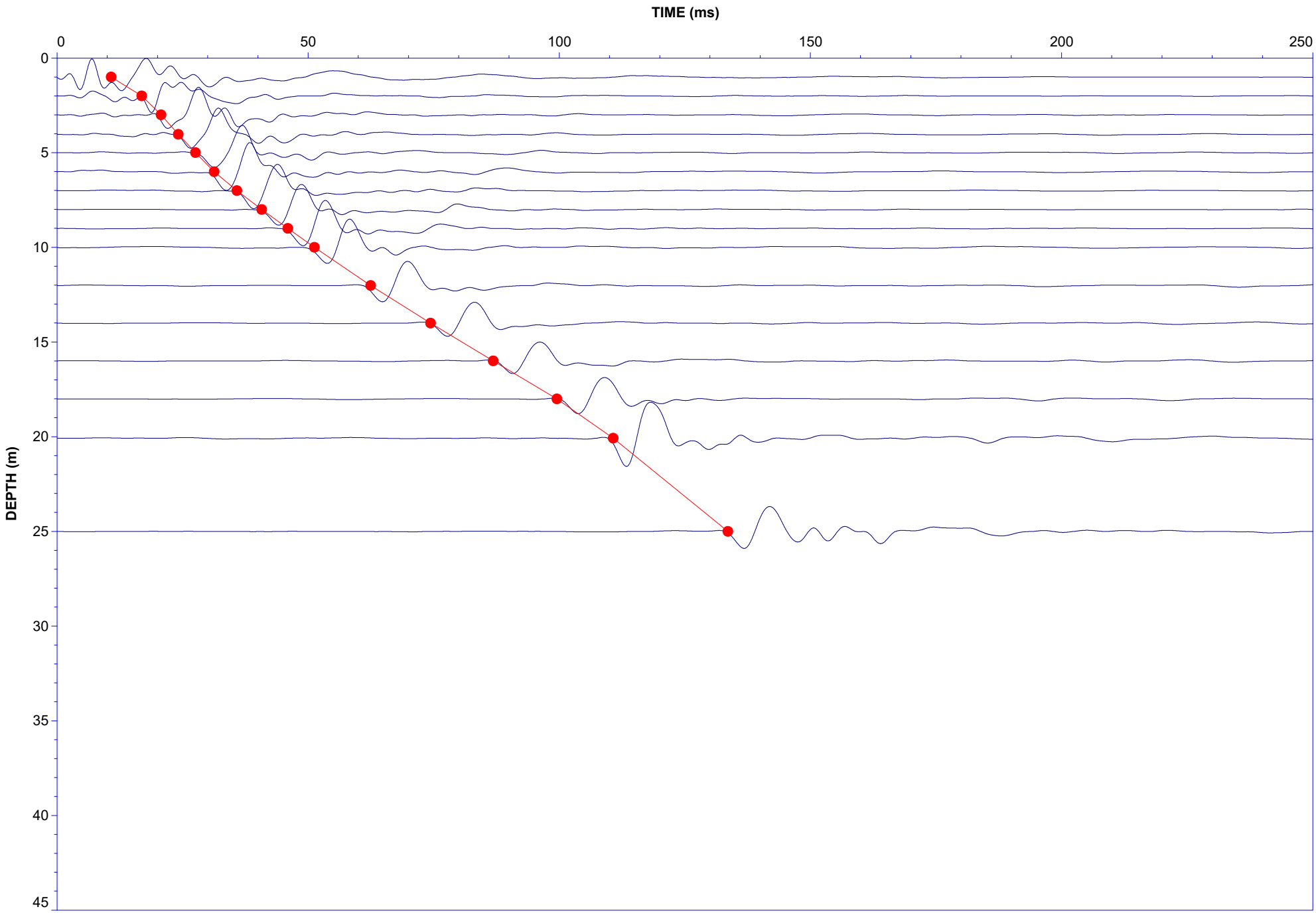
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-06
Date: 07-Feb-2022



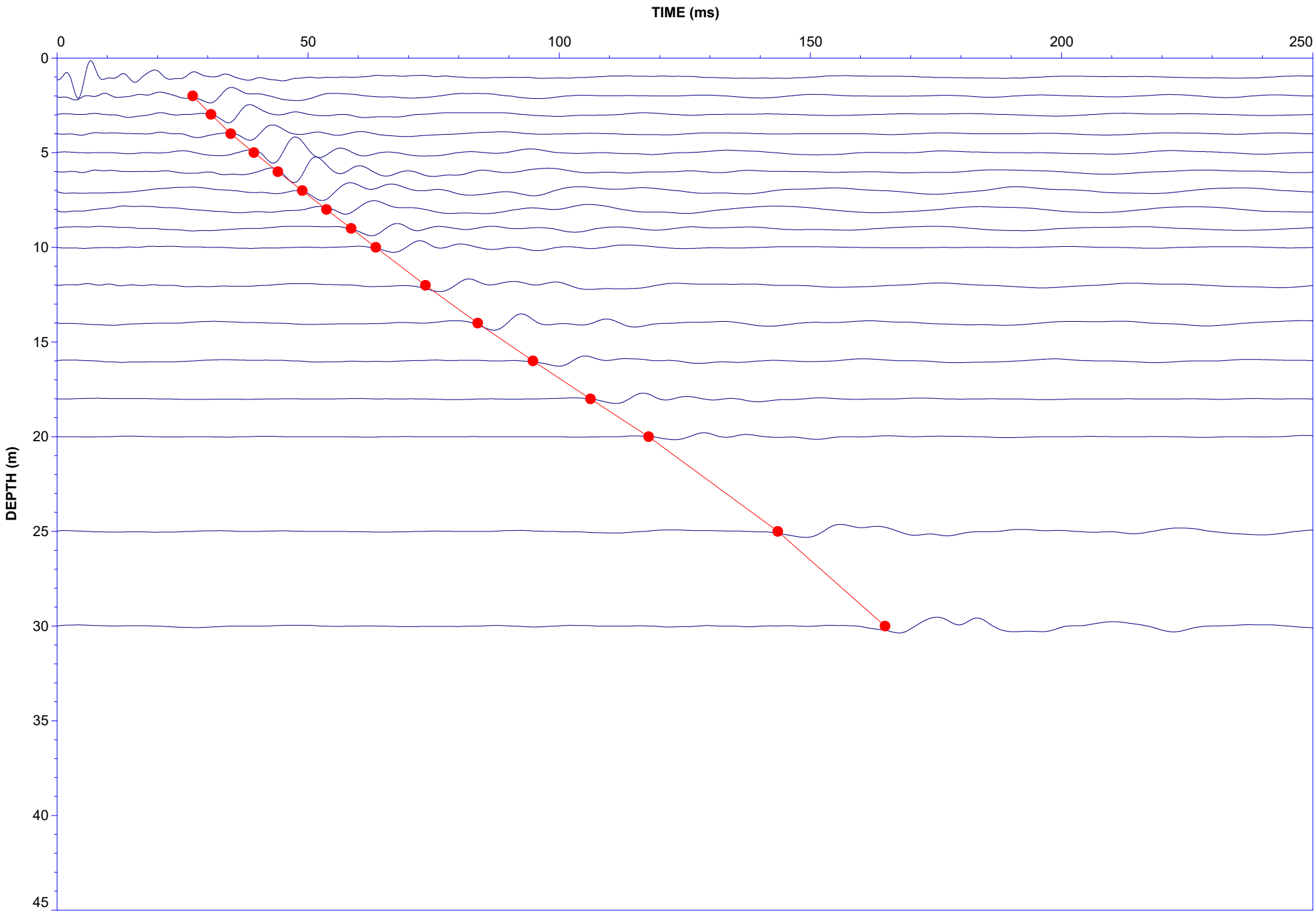
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-08
Date: 23-Feb-2022



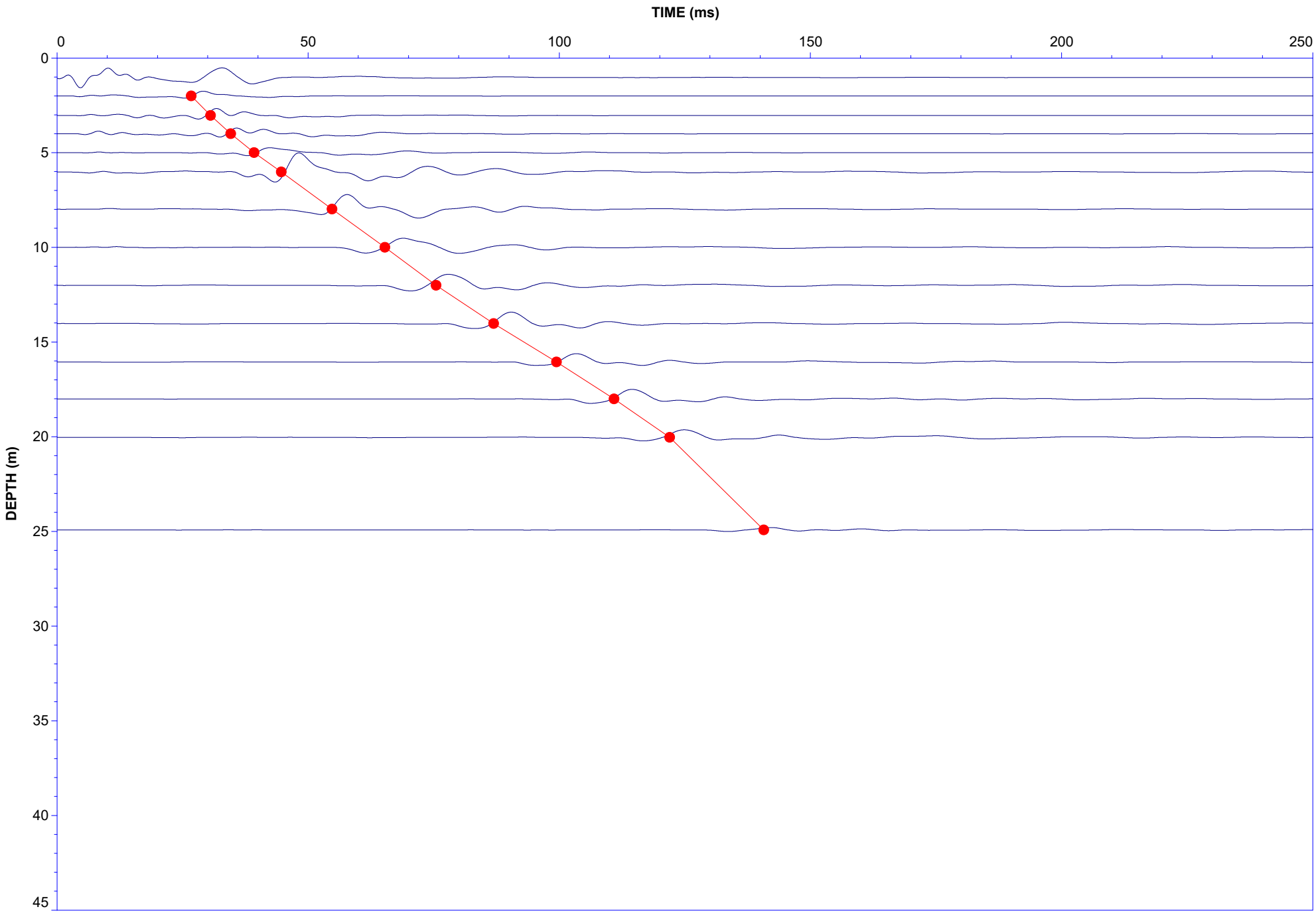
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-09
Date: 18-Feb-2022



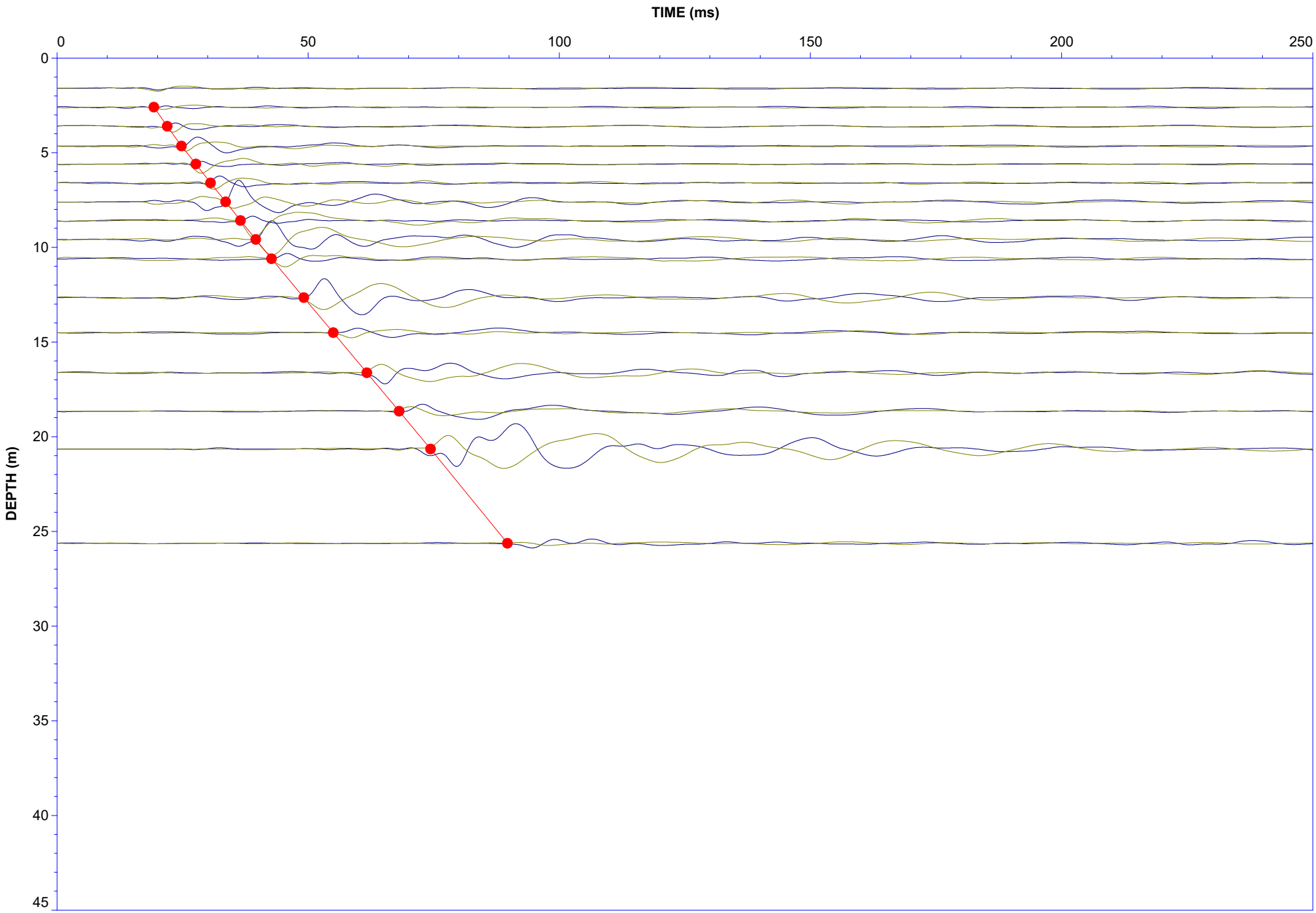
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-12
Date: 21-Feb-2022



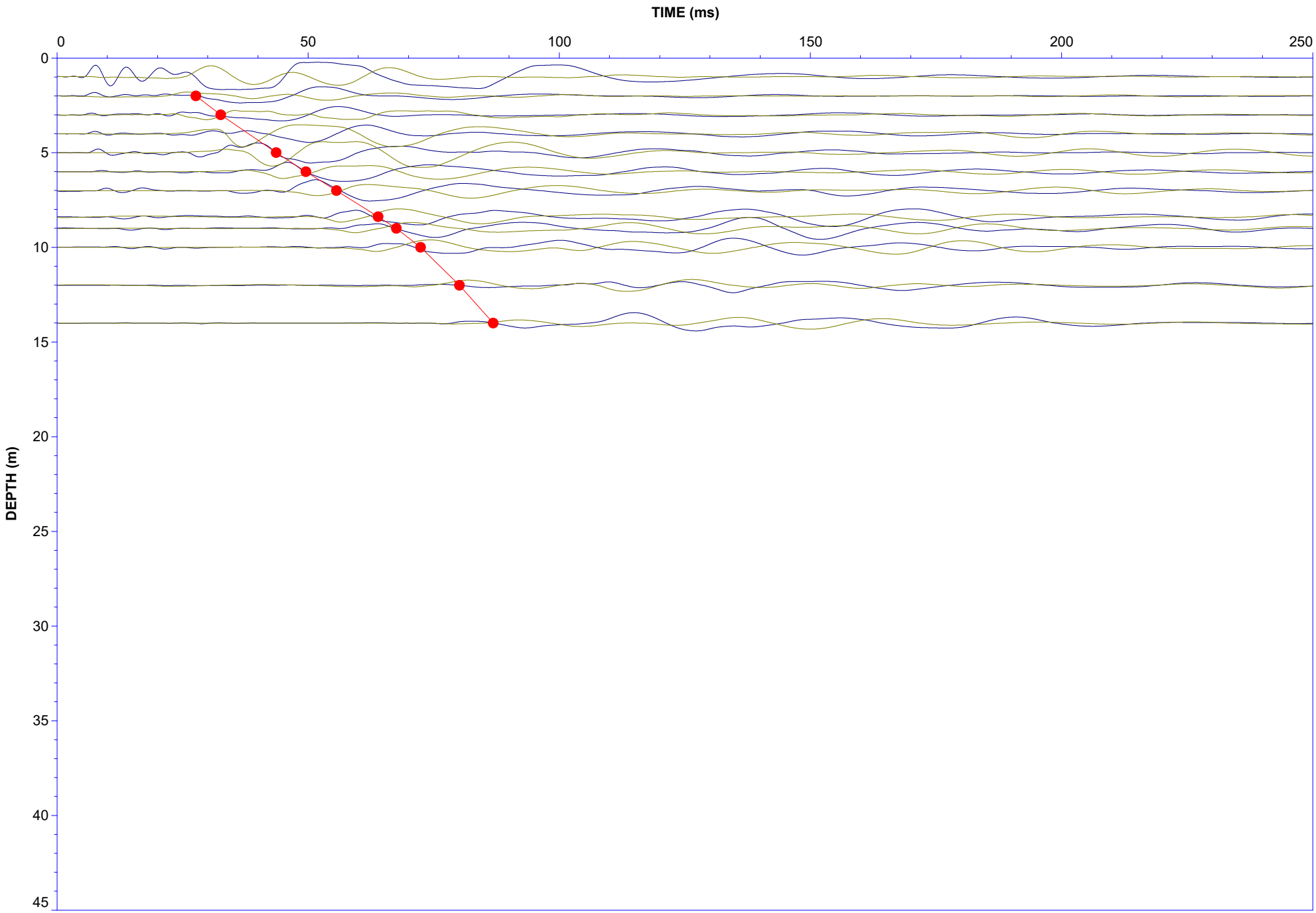
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-OP-CPT-16
Date: 20-Mar-2022



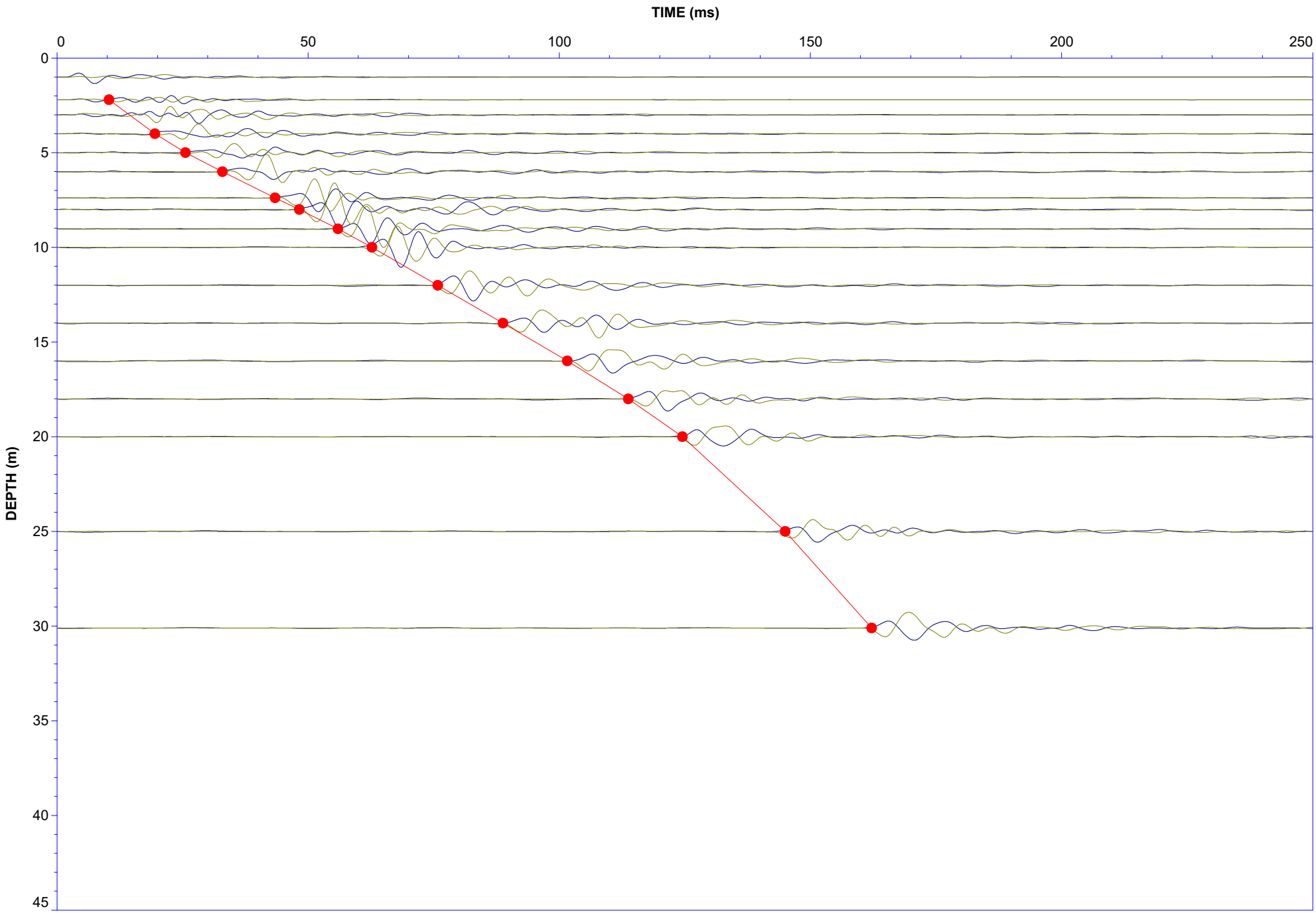
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-PF-CPT-01 | Date: 12-Nov-2021



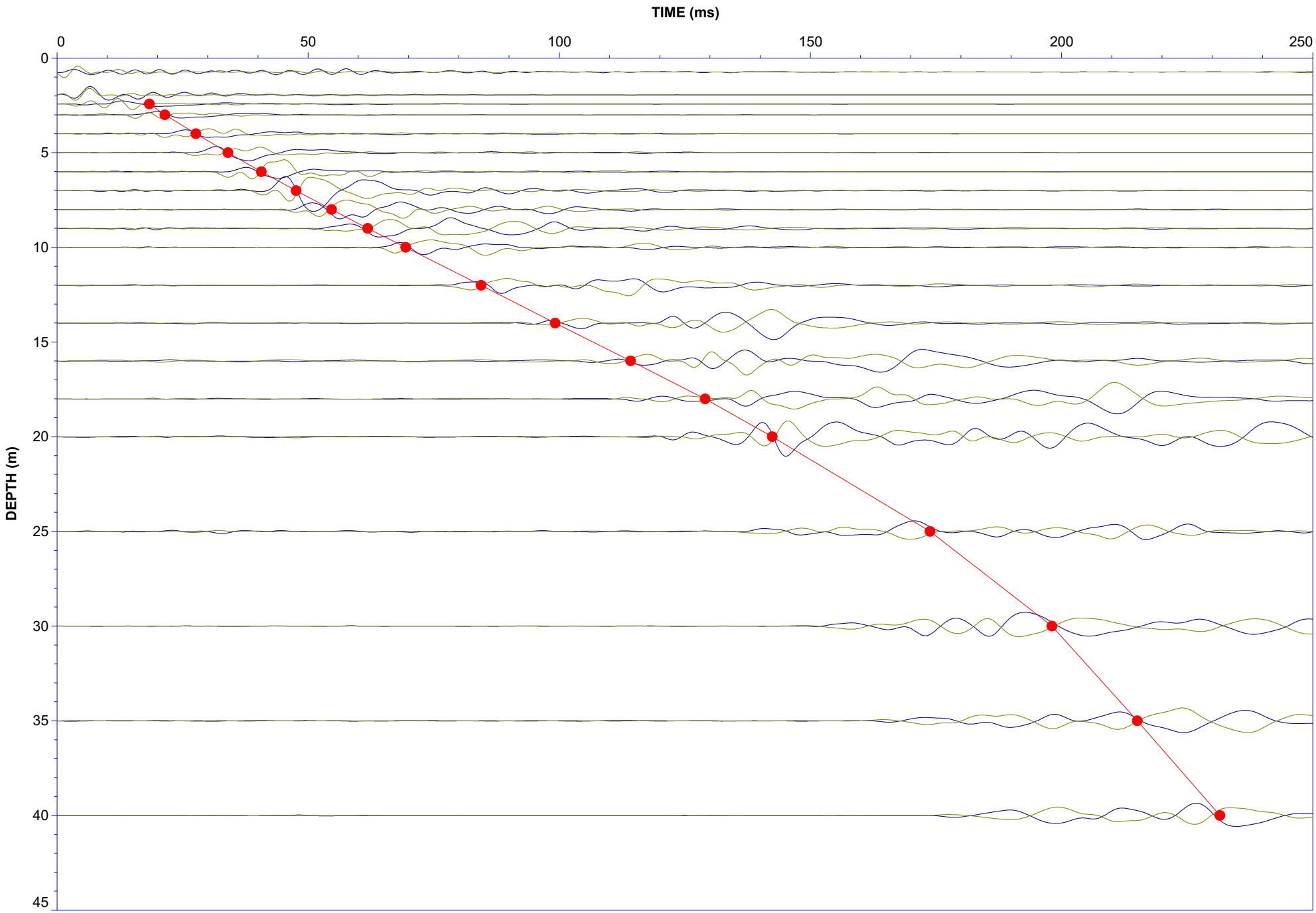
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-PF-CPT-02 | Date: 15-Nov-2021



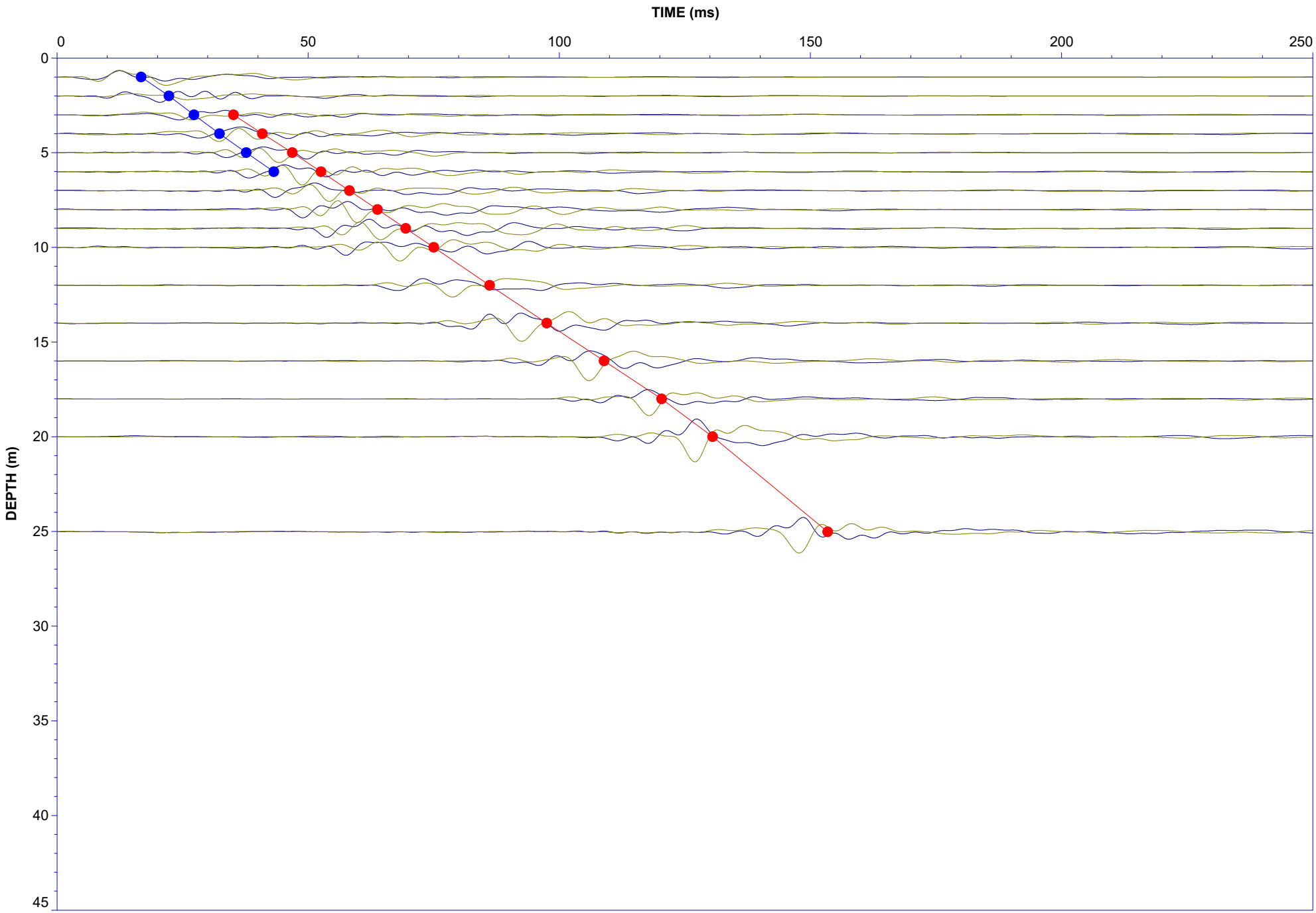
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-PF-CPT-03 | Date: 04-Mar-2022



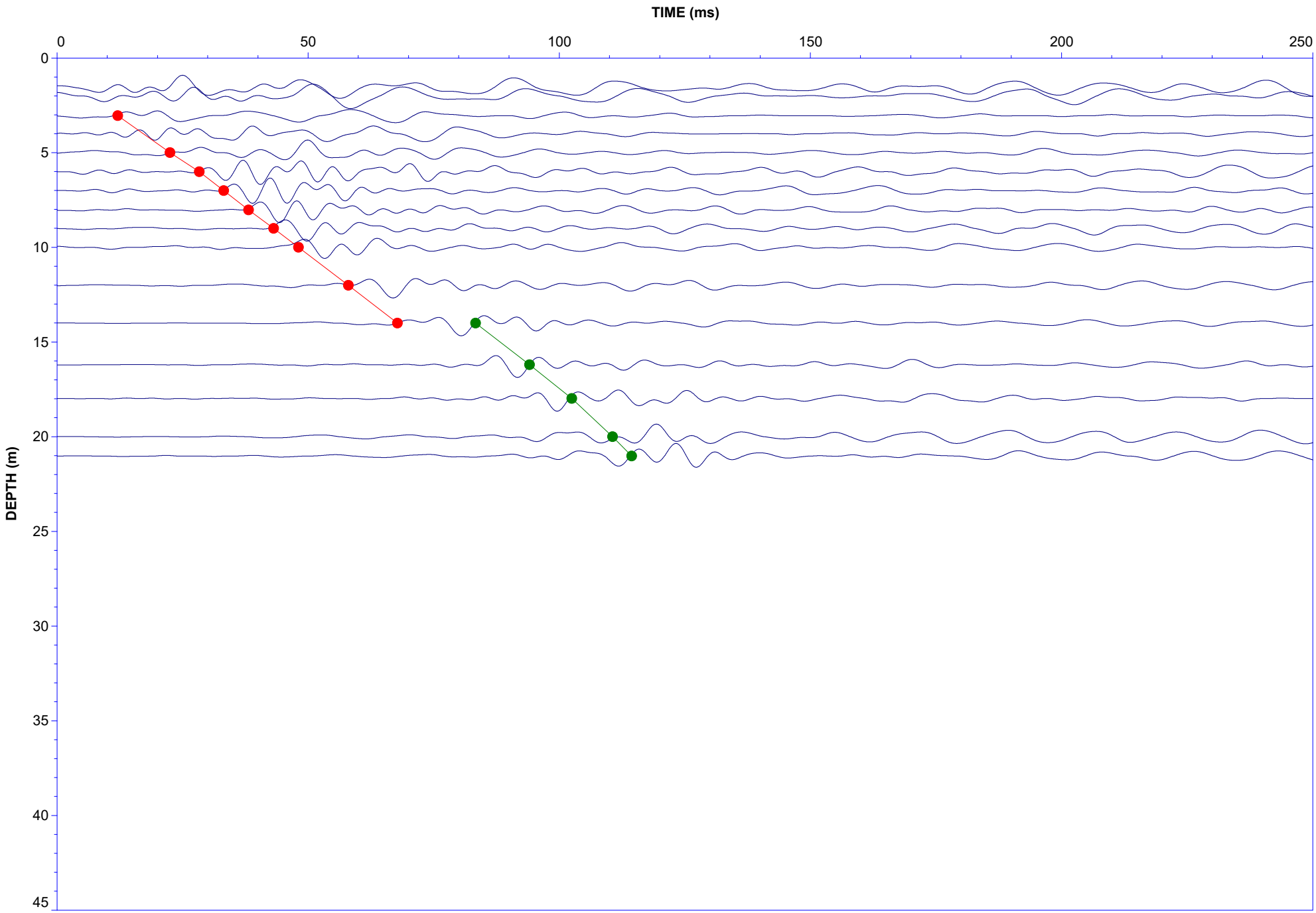
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-250Hz | Sounding: SRK-PF-CPT-04 | Date: 13-Dec-2021



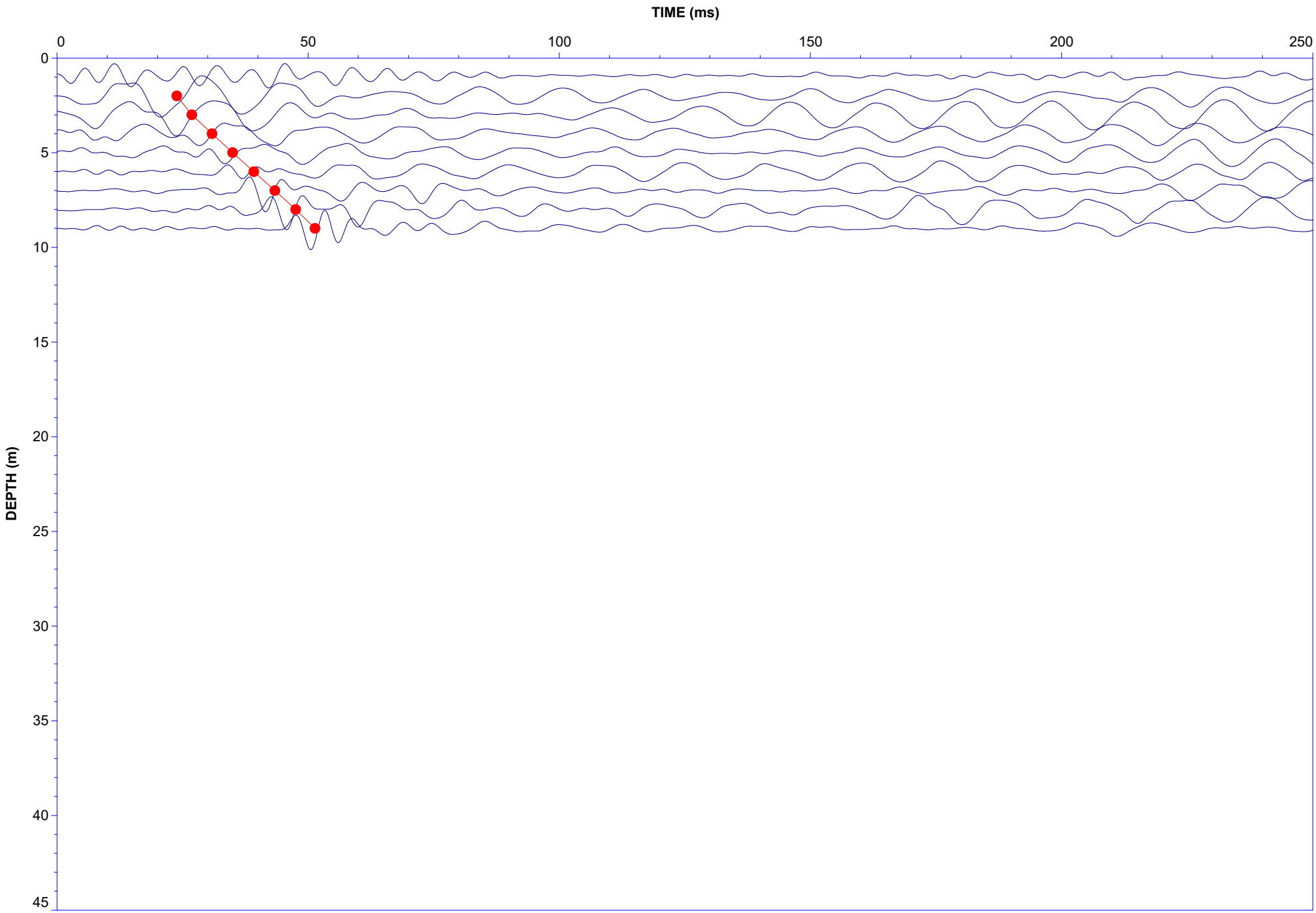
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-SOS-CPT-02
Date: 12-Mar-2022



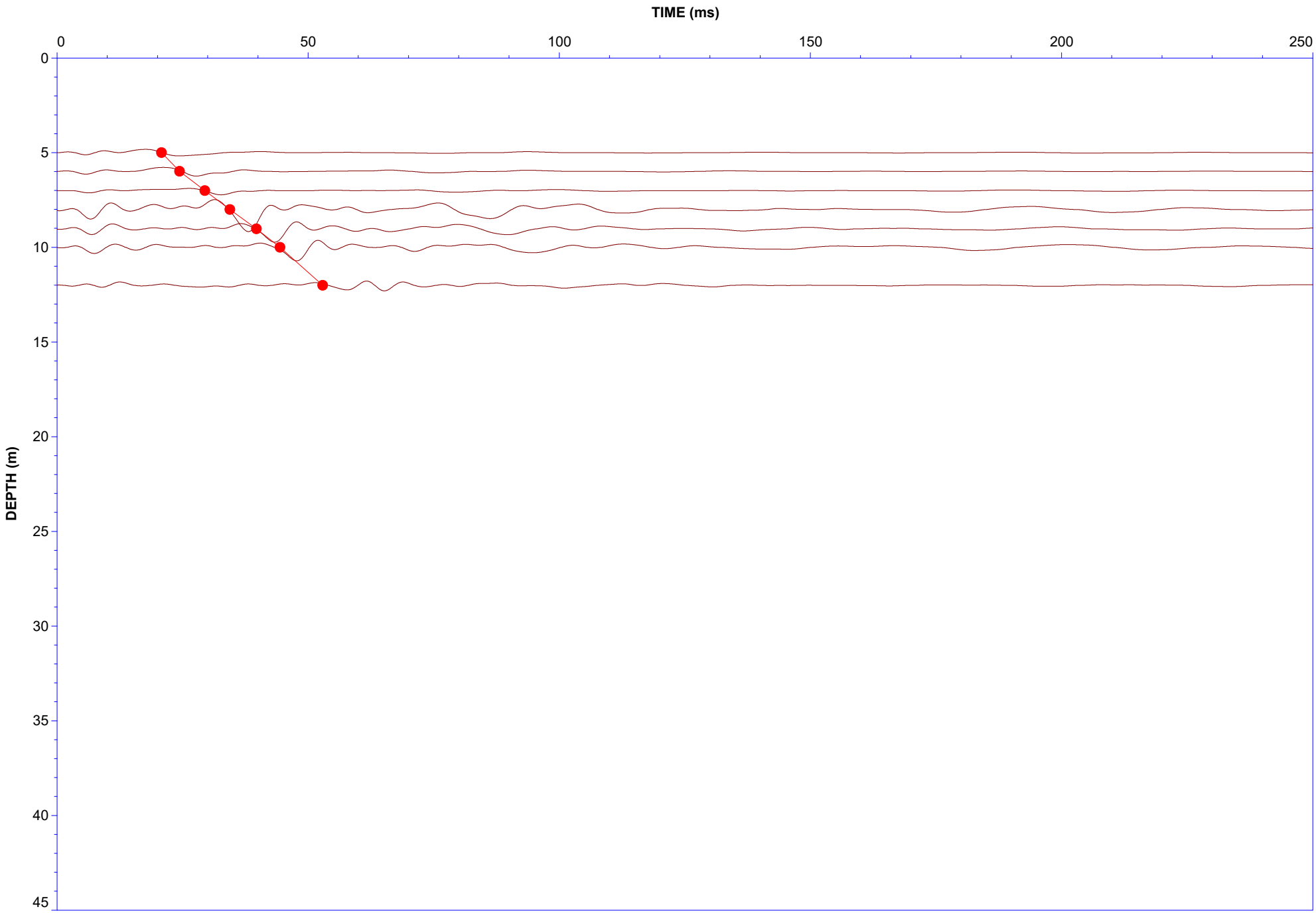
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 40-200Hz Sounding: SRK-TSF-CPT-01
Date: 17-Jan-2022



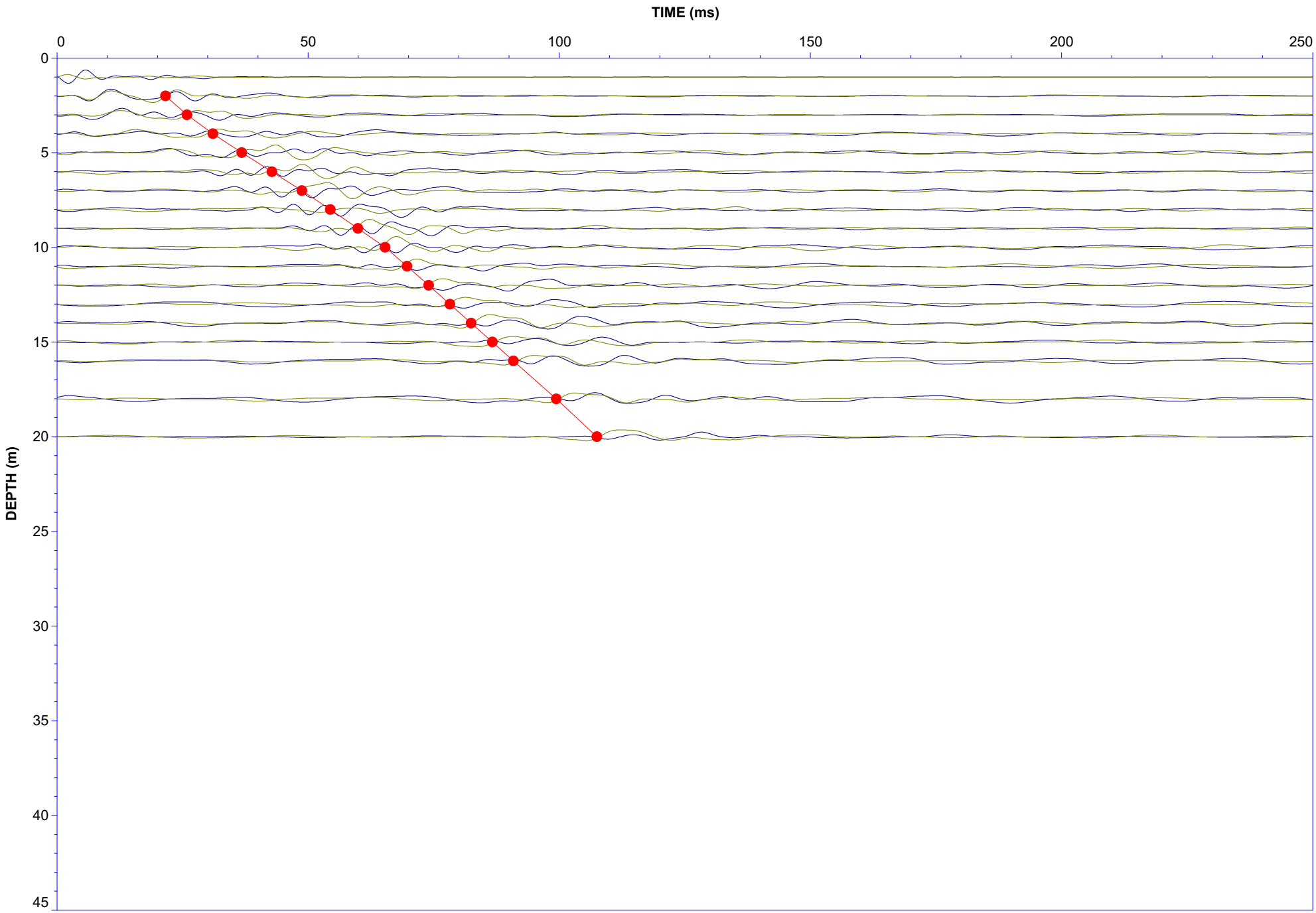
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 50-250Hz Sounding: SRK-TSF-CPT-01A
Date: 19-Jan-2022



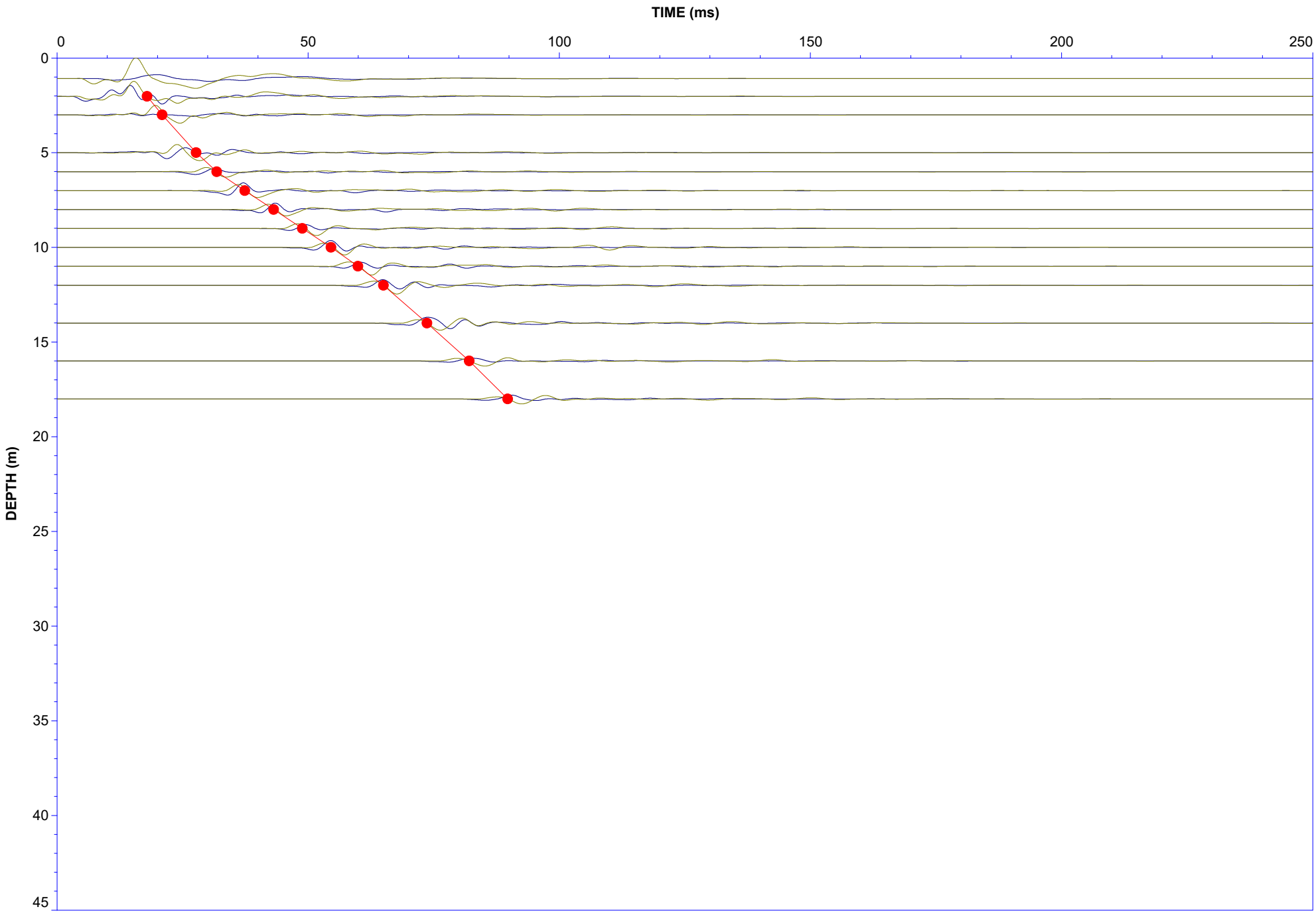
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-TSF-CPT-03
Date: 26-Jan-2022



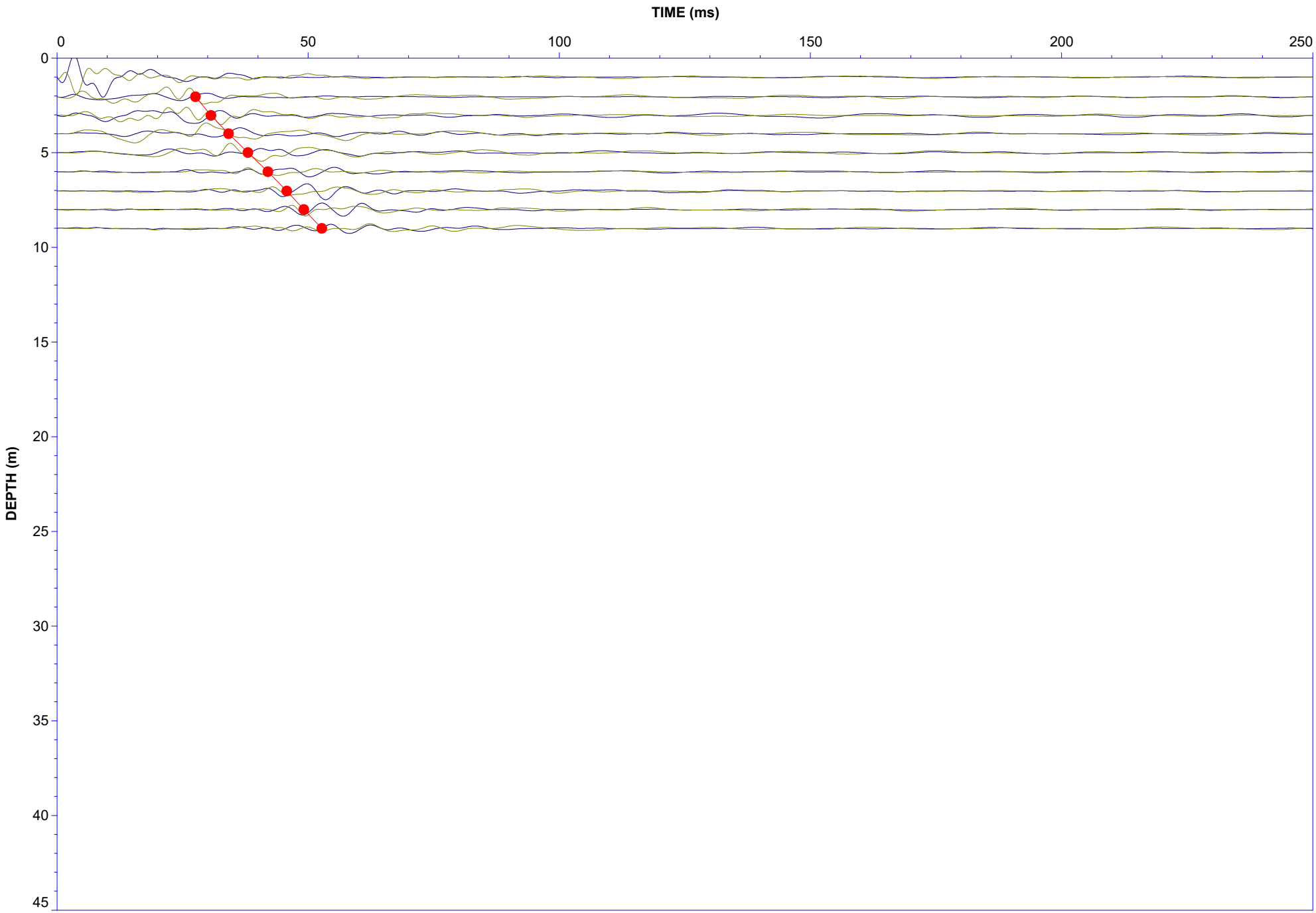
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-04
Date: 30-Jan-2022



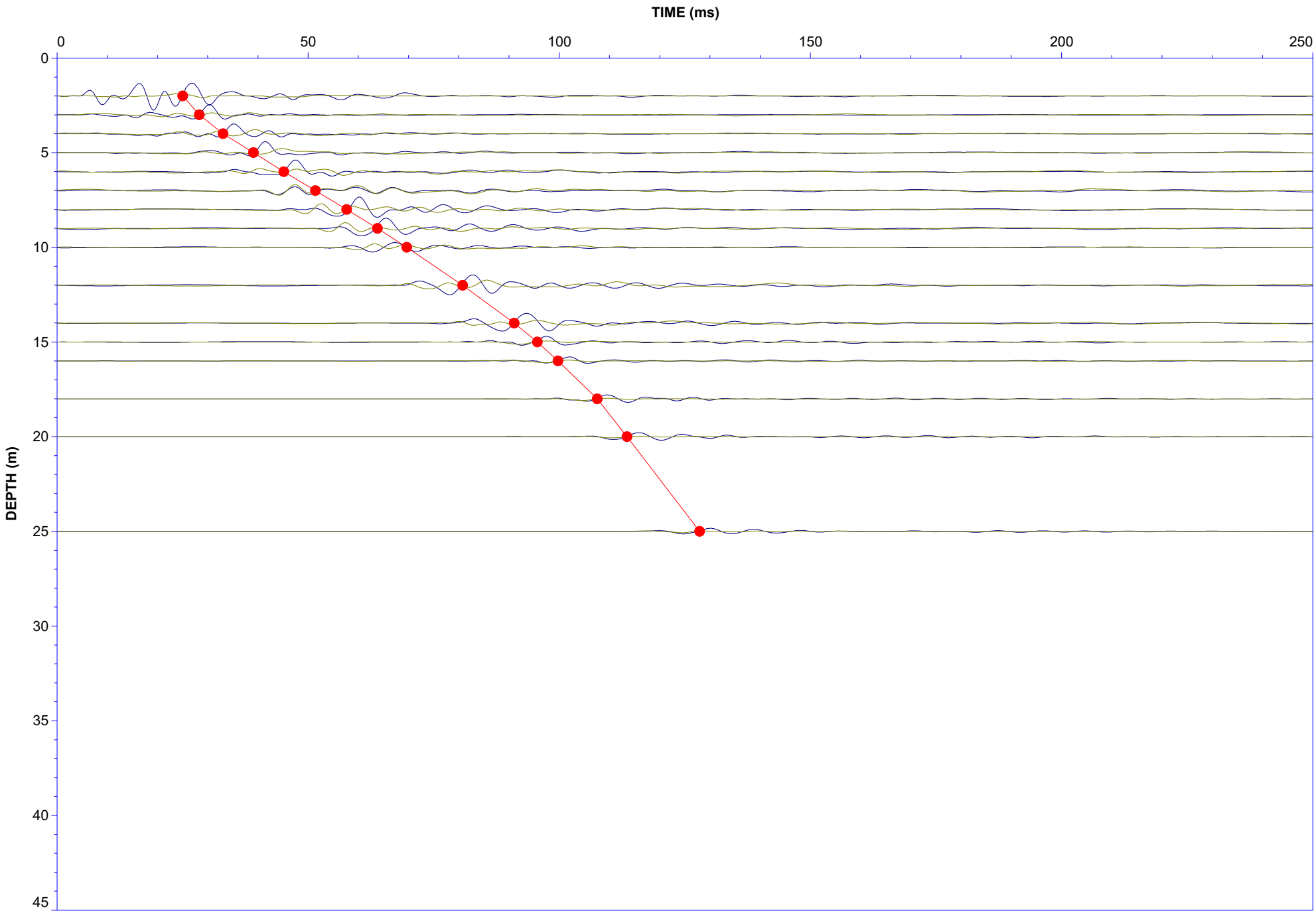
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-08
Date: 24-Oct-2021



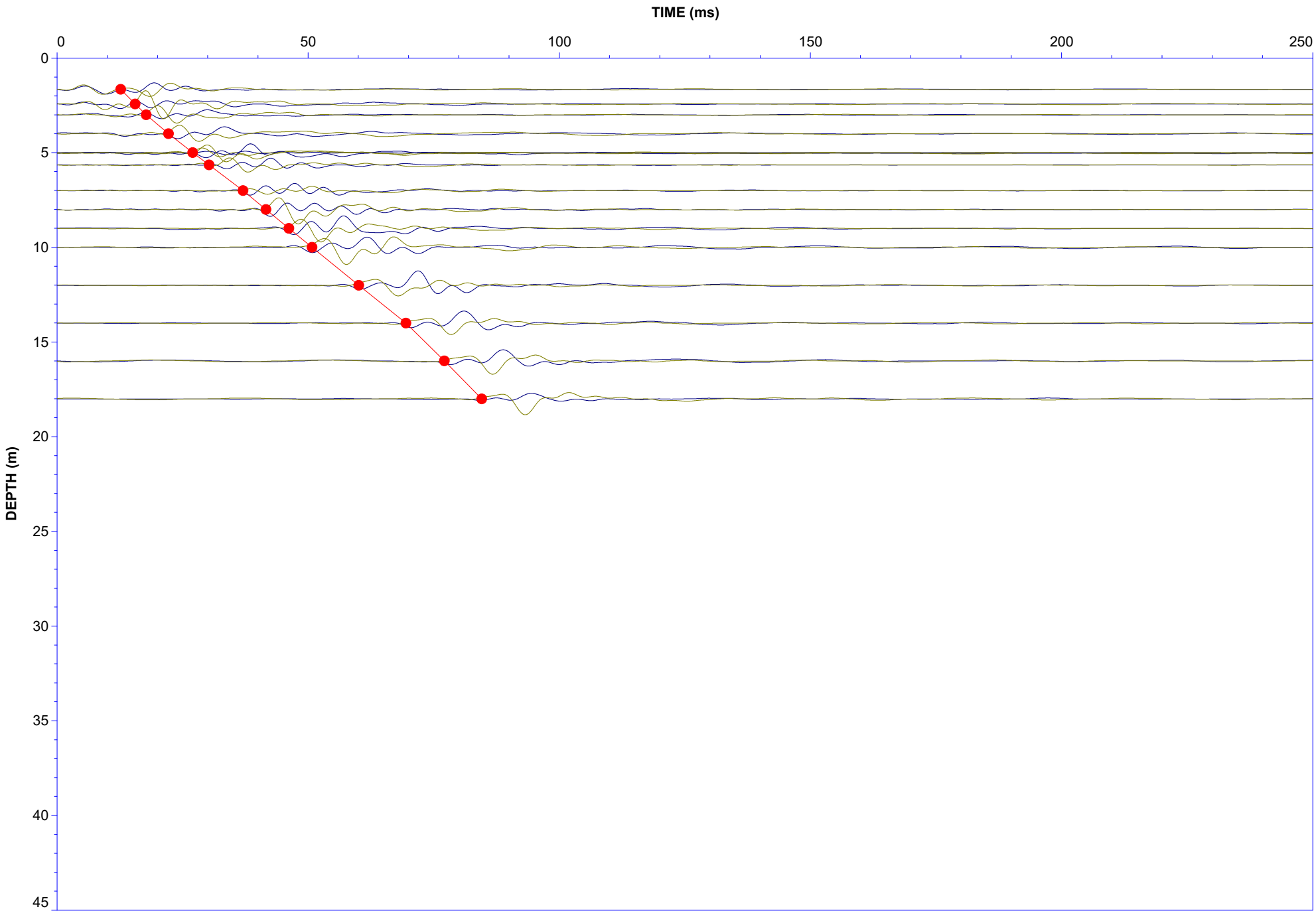
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-09
Date: 05-Feb-2022



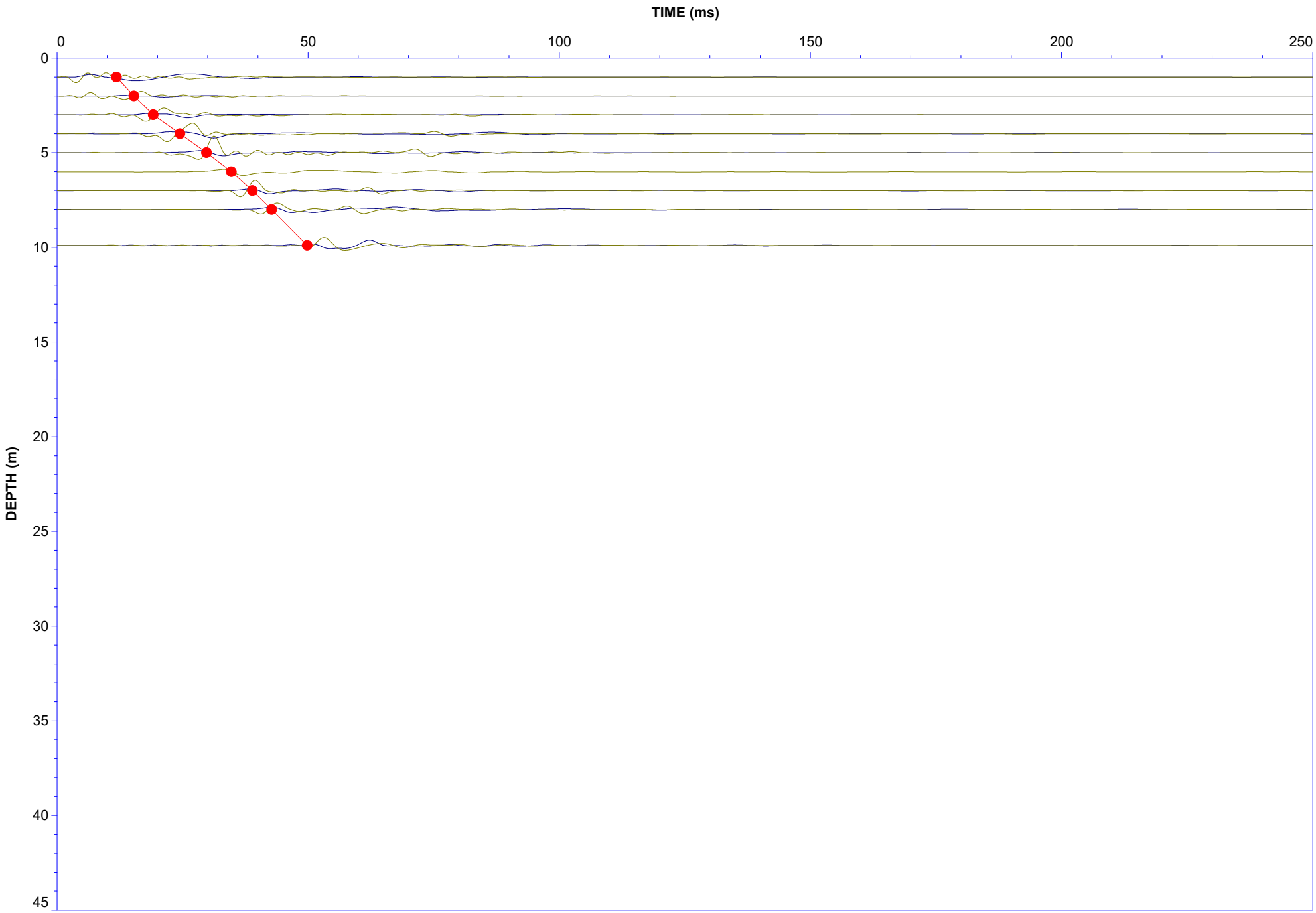
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-102
Date: 27-Nov-2021



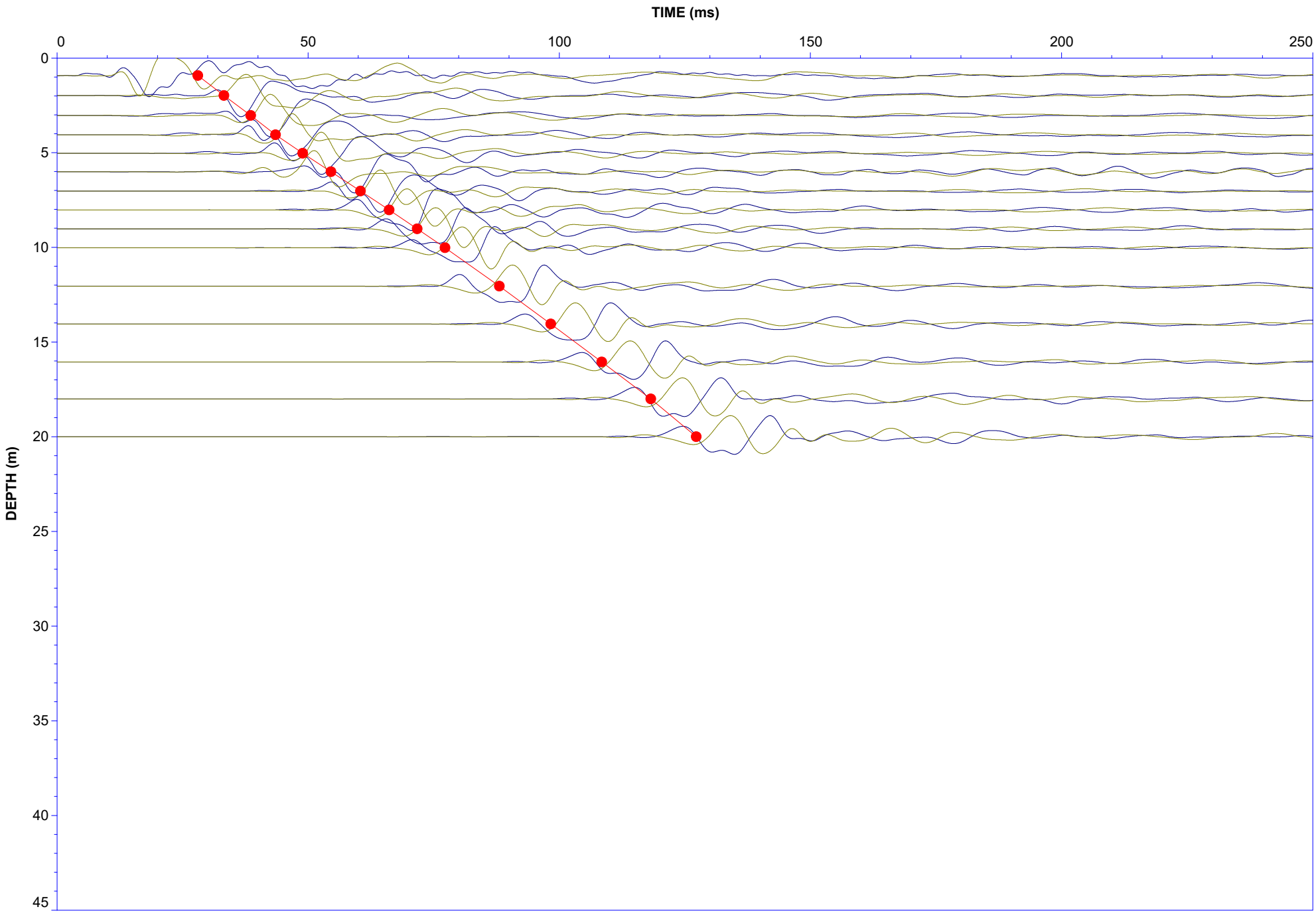
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-10
Date: 22-Jan-2022



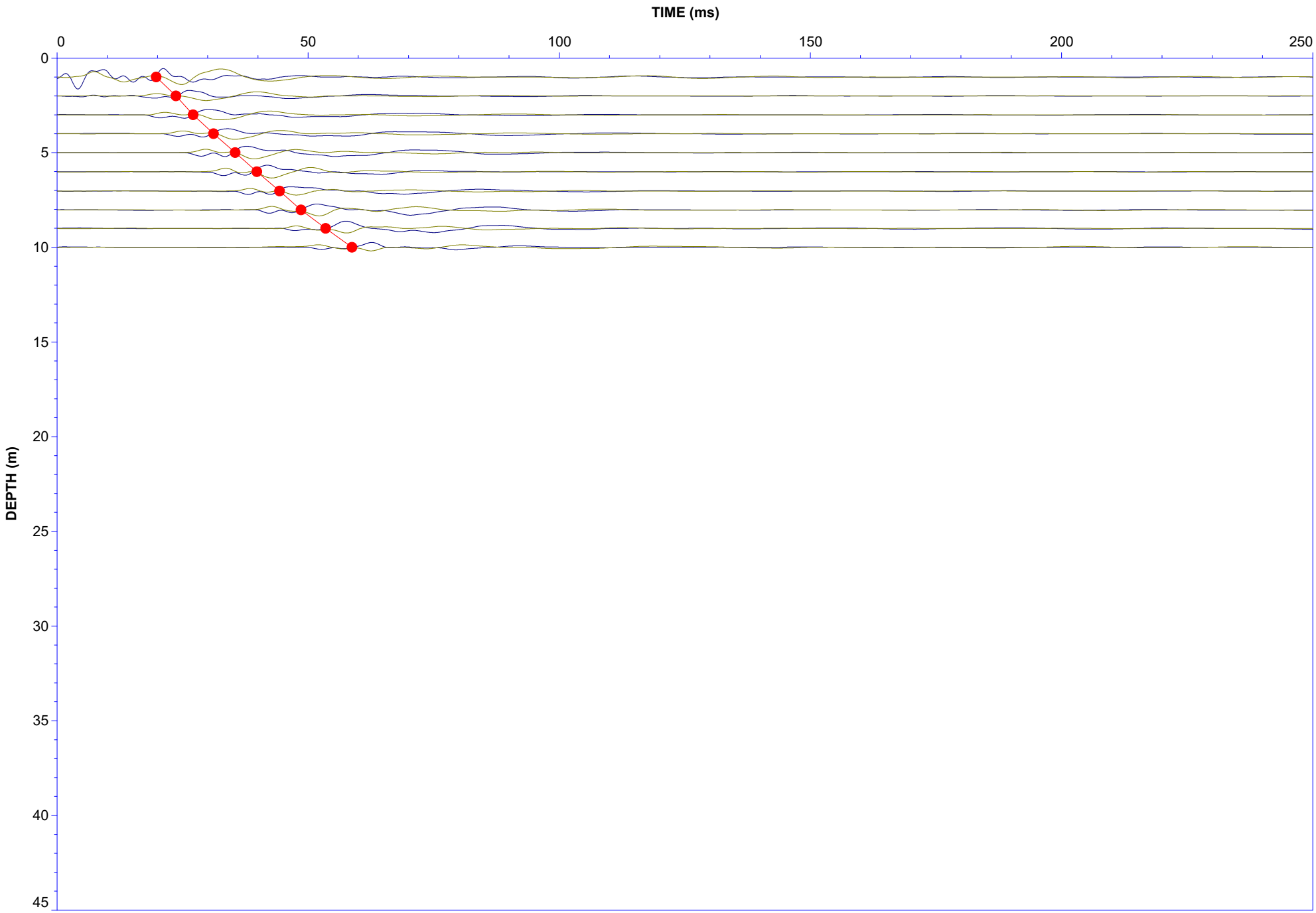
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-13
Date: 24-Jan-2022



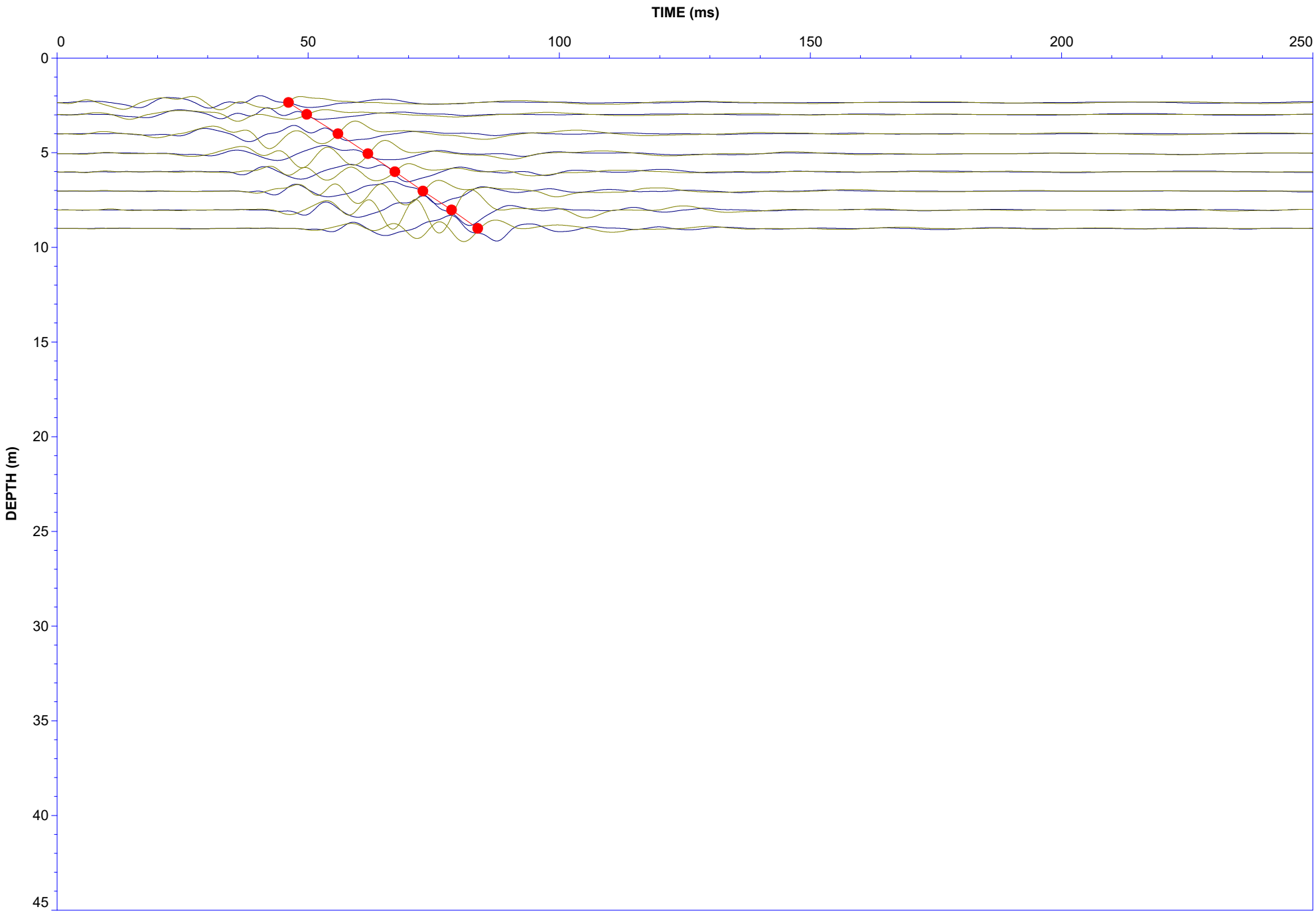
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-14
Date: 21-Oct-2021



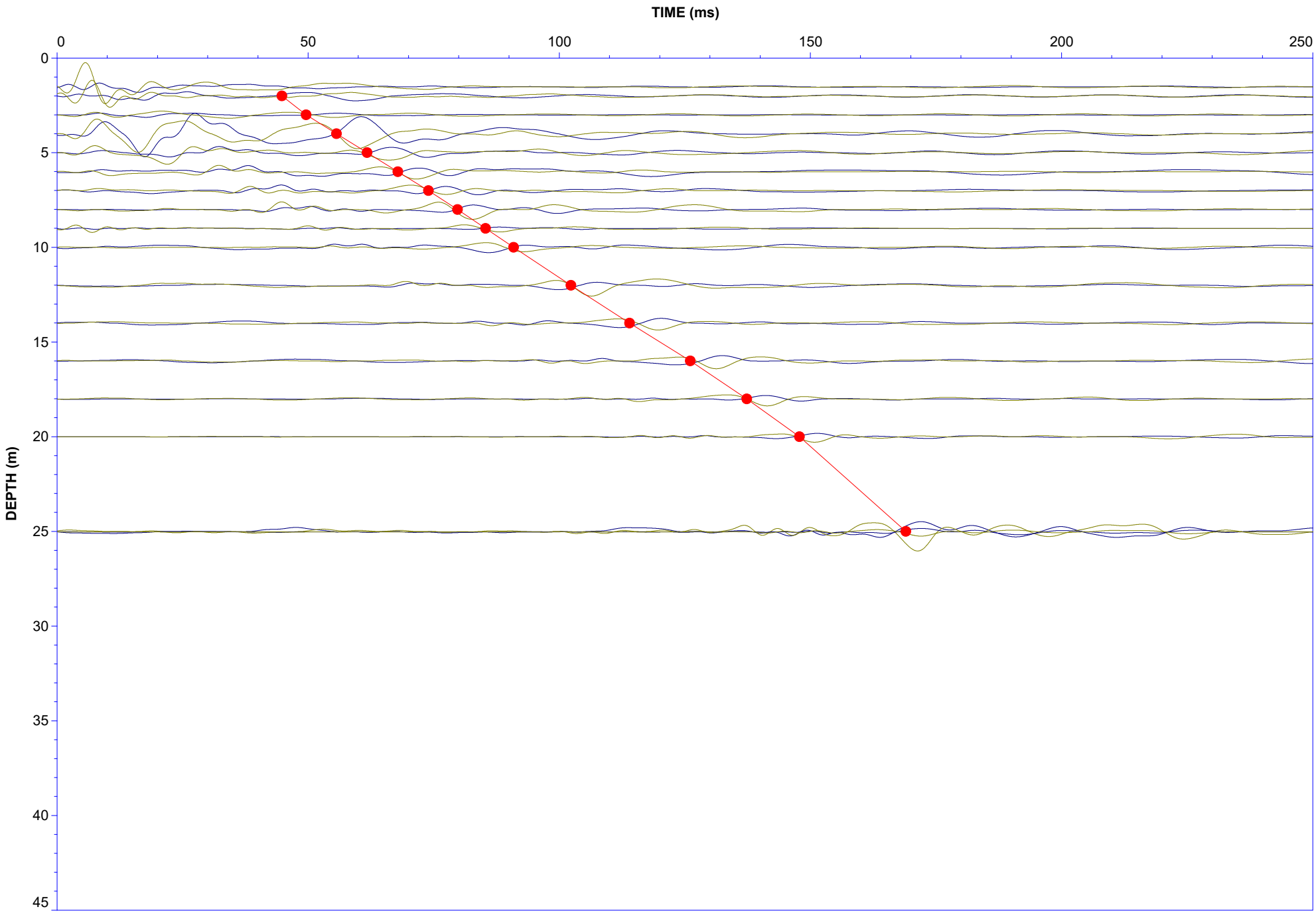
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-15
Date: 10-Feb-2022



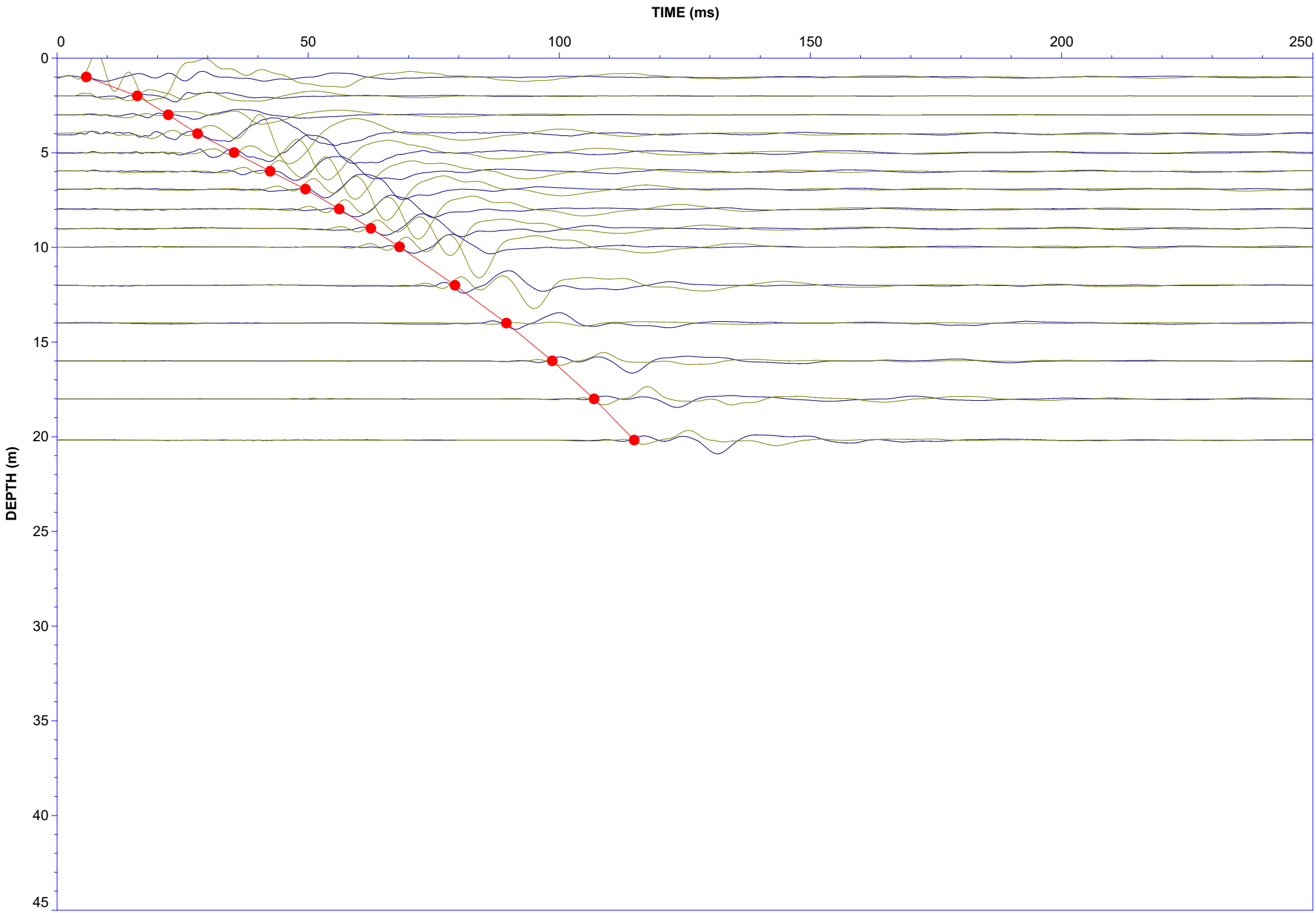
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-200Hz | Sounding: SRK-TSF-CPT-17 | Date: 10-Mar-2022



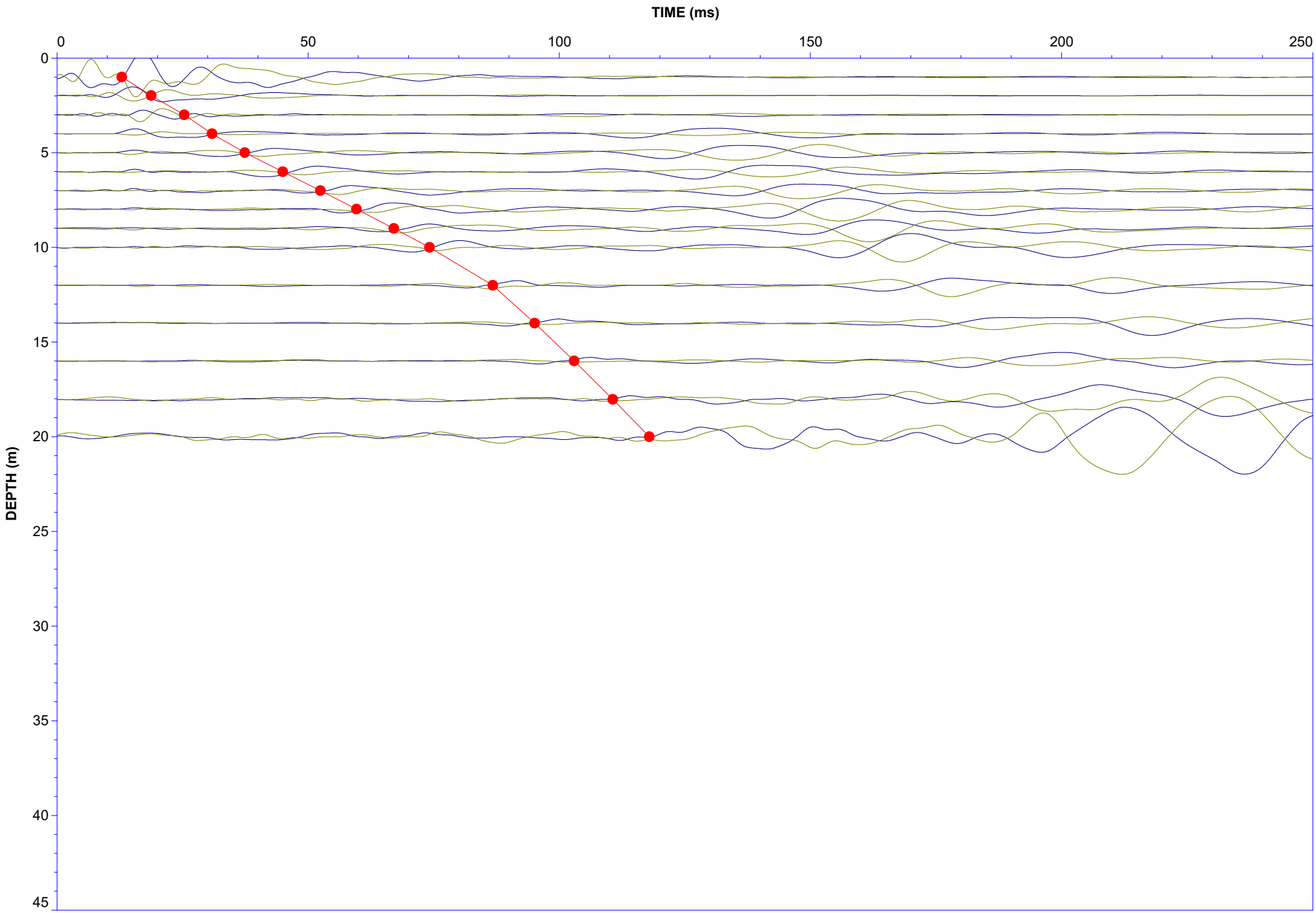
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-TSF-CPT-18
Date: 02-Feb-2022



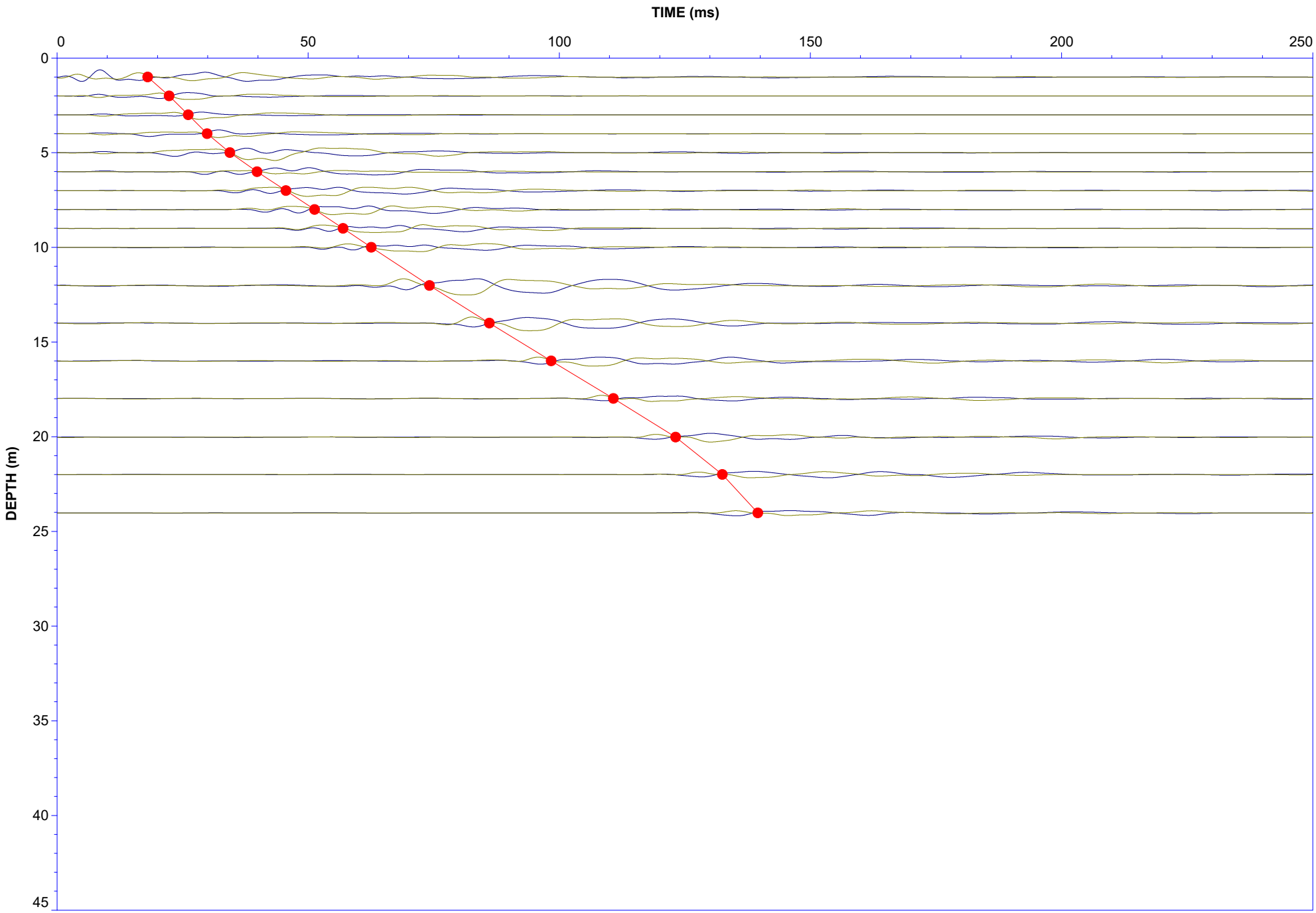
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-TSF-CPT-20
Date: 25-Mar-2022



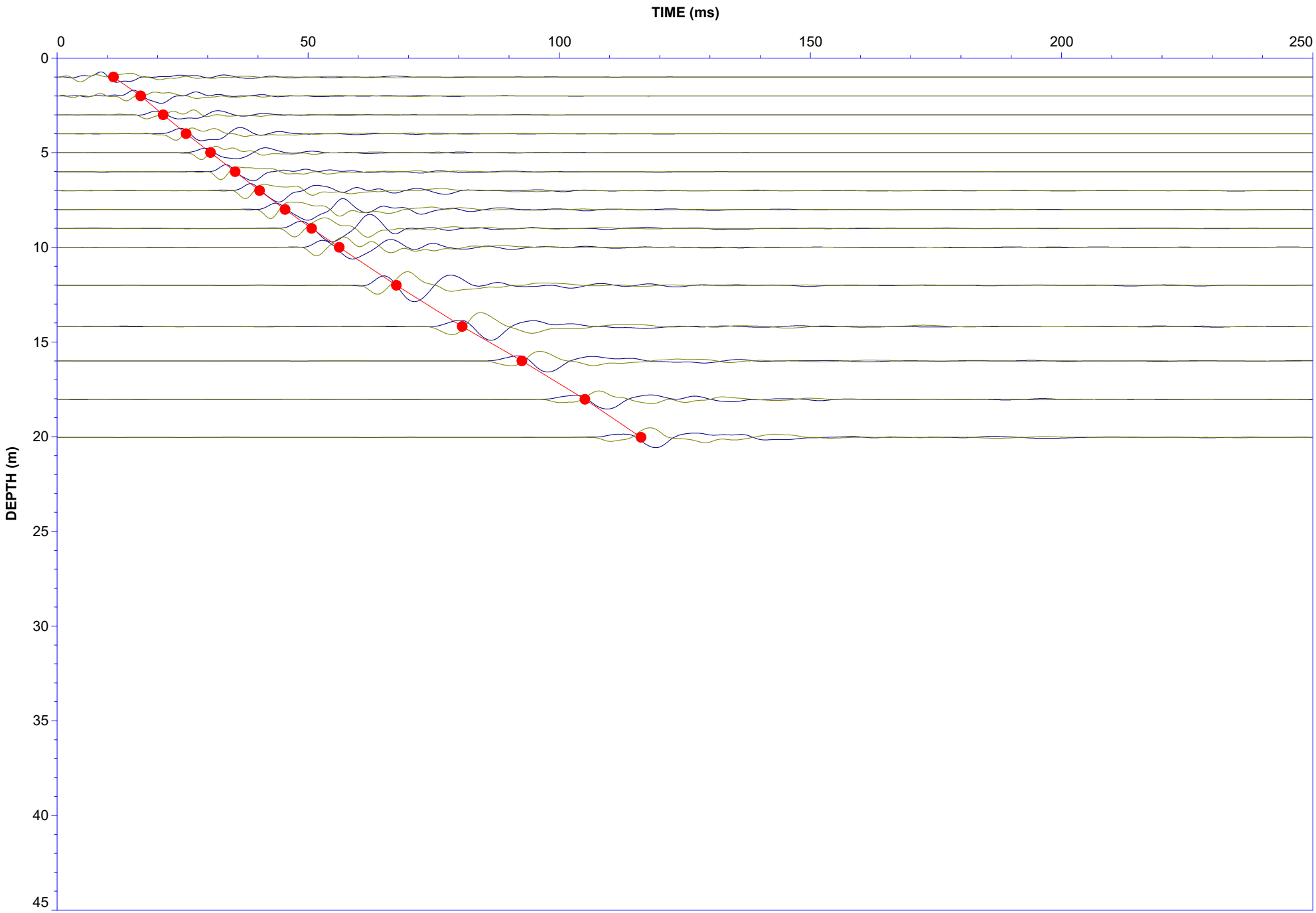
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-TSF-CPT-21
Date: 23-Mar-2022



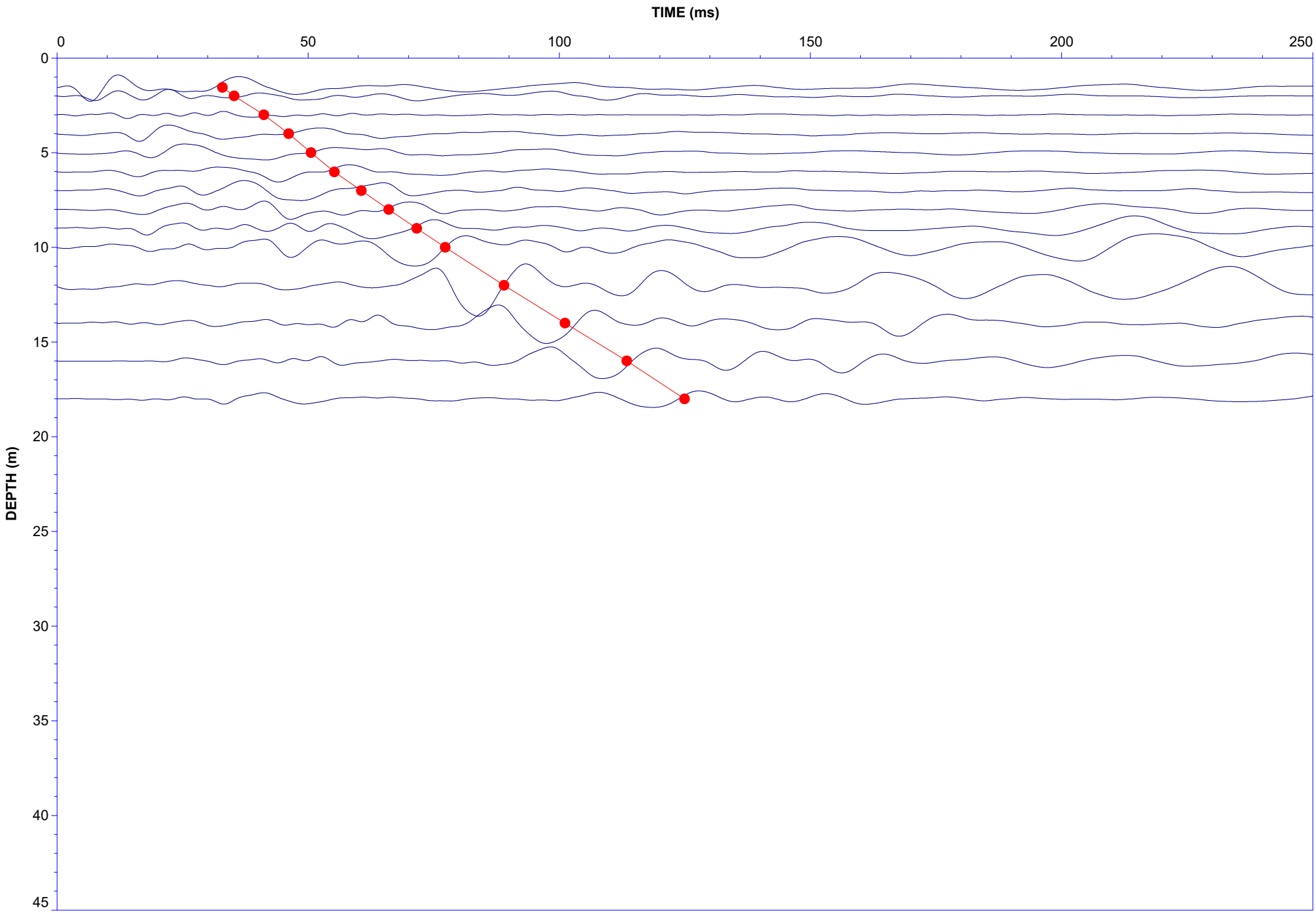
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-TSF-CPT-23
Date: 18-Mar-2022



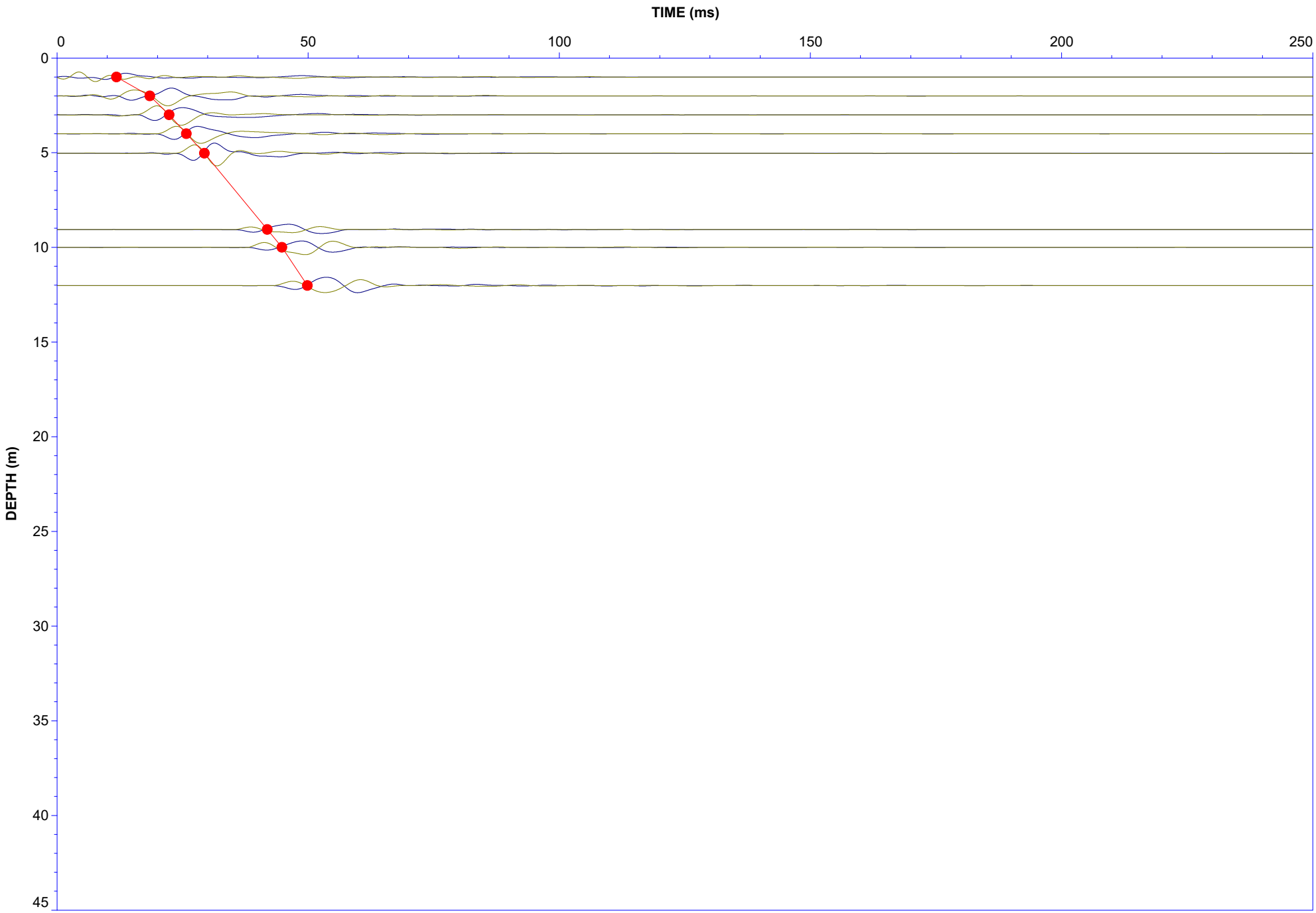
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-WOS-CPT-01
Date: 28-Feb-2022



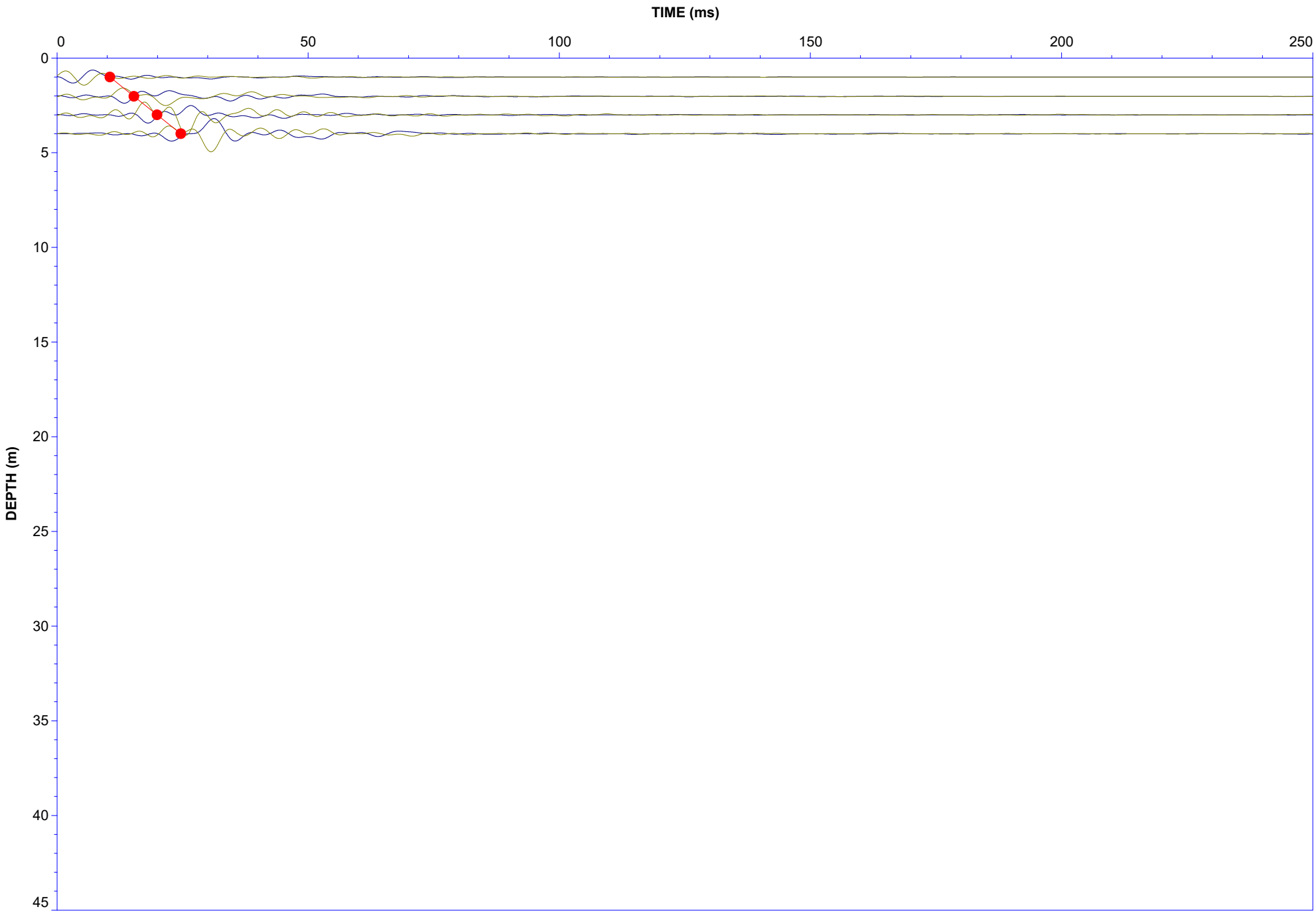
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-WRD-CPT-10
Date: 08-Jan-2022



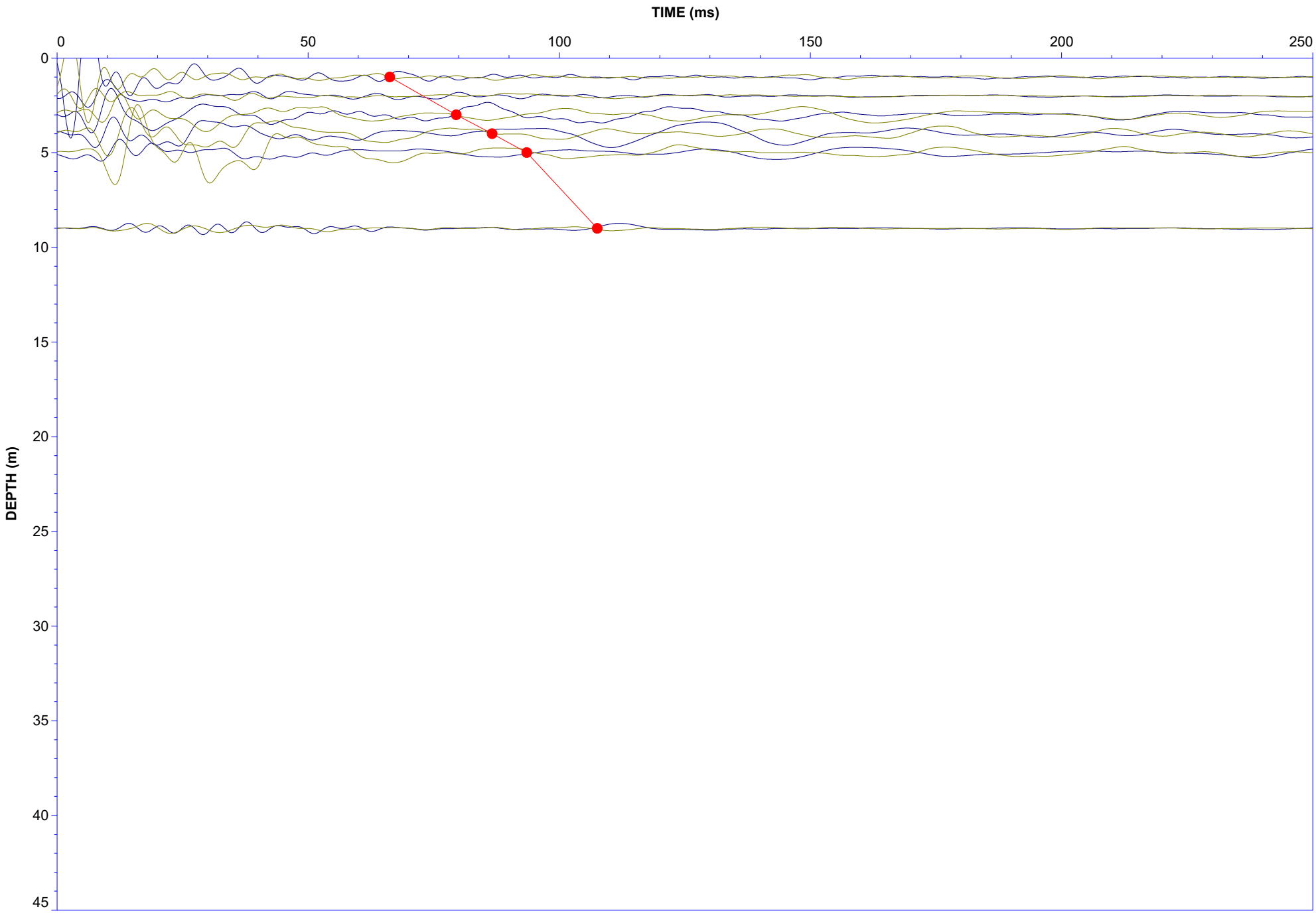
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-WRD-CPT-14
Date: 12-Feb-2022



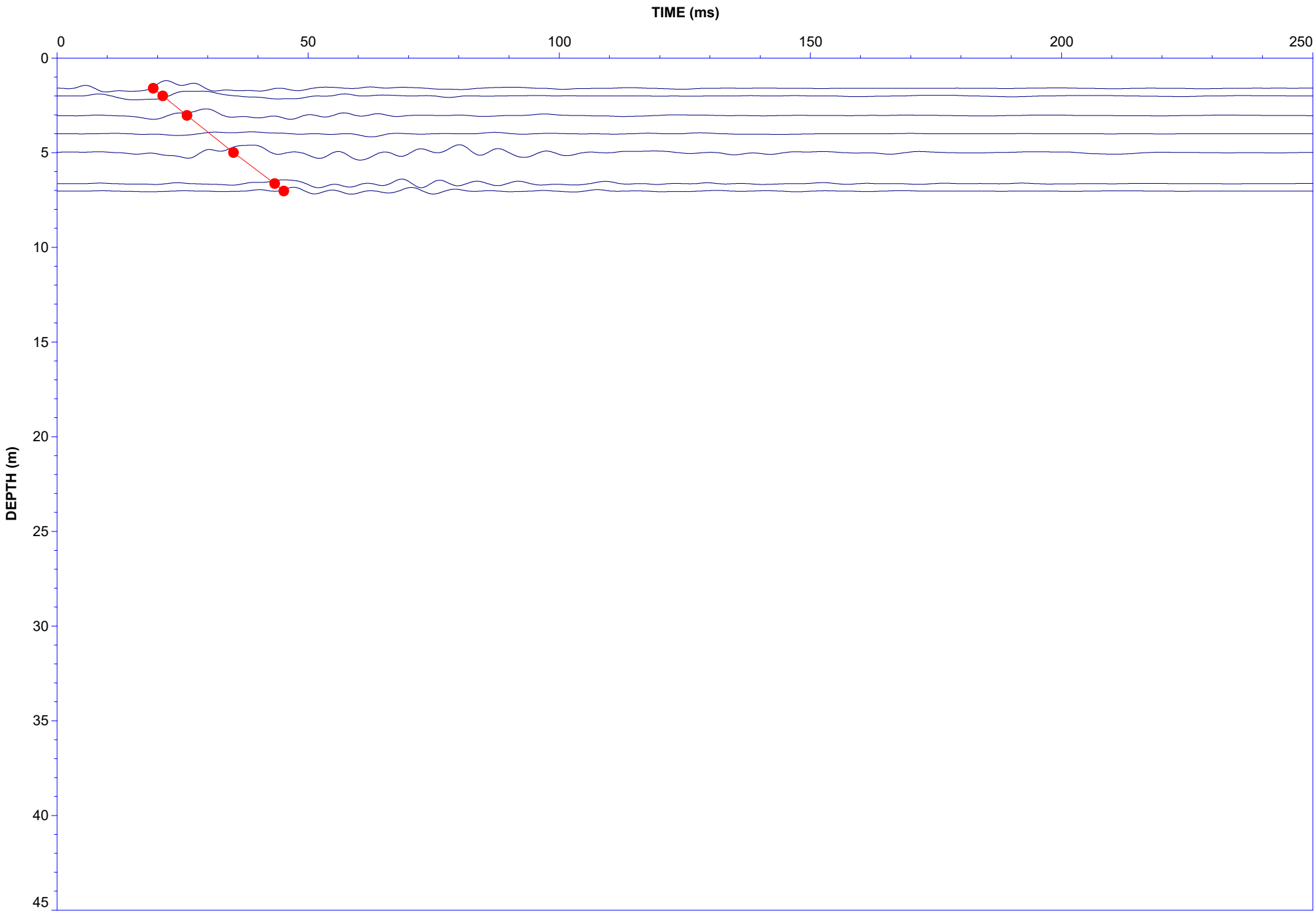
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-WRD-CPT-15
Date: 16-Feb-2022



Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-WRD-CPT-16
Date: 14-Feb-2022



Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-200Hz Sounding: SRK-WRD-CPT-17
Date: 09-Dec-2021



Seismic Cone Penetration Test Compression Wave (Vp) Tabular Results

CONETEC

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-HG-CPT-01
Date:	02-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.03	0.83	1.54			
2.00	1.80	2.22	0.68	1.33	510
3.00	2.80	3.09	0.87	1.06	816
4.00	3.80	4.02	0.93	0.91	1020
5.00	4.80	4.97	0.96	0.82	1165
7.00	6.80	6.92	1.95	1.50	1301
9.00	8.80	8.90	1.97	1.50	1319
10.00	9.80	9.89	0.99	0.67	1482
12.00	11.80	11.87	1.99	1.20	1651
14.00	13.80	13.86	1.99	1.27	1566
16.02	15.82	15.87	2.01	1.09	1854
18.03	17.83	17.88	2.00	1.04	1933
20.00	19.80	19.84	1.97	0.87	2261

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-HG-CPT-03
Date:	01-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
3.03	2.83	3.11	1.59	1.29	1232
4.00	3.80	4.02	0.90	0.50	1800
5.00	4.80	4.97	0.96	0.50	1909

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-01B
Date:	05-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	0.63	1382
4.00	3.80	4.02	0.93	0.51	1823
5.00	4.80	4.97	0.96	0.43	2219
6.00	5.80	5.94	0.97	0.51	1905
7.00	6.80	6.92	0.98	0.48	2025
9.00	8.80	8.90	1.97	0.99	2004

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-02
Date:	26-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	0.73	1189
4.00	3.80	4.02	0.93	0.73	1279
5.00	4.80	4.97	0.96	0.65	1466
8.00	7.80	7.91	2.94	1.92	1528
10.00	9.80	9.89	1.98	1.17	1695
12.00	11.80	11.87	1.99	1.15	1731
14.02	13.82	13.88	2.01	1.16	1737
16.00	15.80	15.85	1.97	1.14	1728
18.00	17.80	17.85	1.99	1.13	1769
20.00	19.80	19.84	2.00	1.09	1828
30.00	29.80	29.83	9.99	5.28	1892

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-03
Date:	21-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.60
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.05	0.85	1.81			
2.00	1.80	2.41	0.60	1.11	538
2.90	2.70	3.14	0.73	0.55	1317
4.00	3.80	4.12	0.99	0.67	1480
5.00	4.80	5.06	0.94	0.58	1625
6.00	5.80	6.02	0.96	0.57	1690
7.00	6.80	6.99	0.97	0.56	1743
7.98	7.78	7.94	0.96	0.54	1770
9.00	8.80	8.94	1.00	0.56	1801
10.00	9.80	9.93	0.99	0.56	1756
12.00	11.80	11.91	1.98	1.15	1725
14.00	13.80	13.89	1.98	1.14	1741
16.00	15.80	15.88	1.99	1.12	1777
18.00	17.80	17.87	1.99	1.10	1803

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-06
Date:	06-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	0.44	1587
3.00	2.80	3.09	0.87	0.56	1542
4.00	3.80	4.02	0.93	0.54	1730
5.00	4.80	4.97	0.96	0.40	2394

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LGS-CPT-01
Date:	21-Nov-2021
Seismic Source:	Plate
Seismic Offset (m):	1.40
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.28			
3.00	2.80	3.13	0.85	0.55	1543
4.03	3.83	4.08	0.95	0.55	1720
5.00	4.80	5.00	0.92	0.50	1841

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-06
Date:	07-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.02	1.82	2.24			
4.00	3.80	4.02	1.78	0.99	1795
5.00	4.80	4.97	0.96	0.55	1753
6.00	5.80	5.94	0.97	0.56	1746
8.00	7.80	7.91	1.96	1.05	1876
10.00	9.80	9.89	1.98	1.10	1795
14.00	13.80	13.86	3.98	2.19	1816
18.00	17.80	17.85	3.99	2.38	1672
25.00	24.80	24.83	6.99	4.46	1566

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-08
Date:	23-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.00	2.80	3.09			
4.00	3.80	4.02	0.93	0.77	1205
5.00	4.80	4.97	0.96	0.61	1579
6.00	5.80	5.94	0.97	0.77	1259
7.02	6.82	6.94	1.00	0.72	1395
7.98	7.78	7.89	0.95	0.65	1463
9.00	8.80	8.90	1.01	0.63	1609
12.00	11.80	11.87	2.98	1.59	1869
16.00	15.80	15.85	3.98	2.01	1977
18.00	17.80	17.85	1.99	0.98	2032
20.00	19.80	19.84	2.00	0.95	2107

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-09
Date:	18-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	1.43	605
6.00	5.80	5.94	2.86	2.87	996
9.00	8.80	8.90	2.95	2.15	1373
12.02	11.82	11.89	3.00	2.27	1320
14.00	13.80	13.86	1.97	1.42	1385
16.00	15.80	15.85	1.99	1.31	1516
18.00	17.80	17.85	1.99	1.31	1517
20.08	19.88	19.92	2.08	1.40	1488
25.00	24.80	24.83	4.91	3.22	1527

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-12
Date:	21-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	0.50	1378
2.98	2.78	3.07	0.85	0.48	1782

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-16
Date:	20-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.60
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.03	0.83	1.80			
3.03	2.83	3.25	1.45	2.21	657
4.00	3.80	4.12	0.87	1.21	720
5.00	4.80	5.06	0.94	0.73	1280
6.02	5.82	6.04	0.98	0.75	1300
7.98	7.78	7.94	1.91	1.42	1341
10.00	9.80	9.93	1.99	1.50	1326
14.02	13.82	13.91	3.98	2.78	1430
16.05	15.85	15.93	2.02	1.41	1428
18.00	17.80	17.87	1.94	1.42	1365
20.03	19.83	19.89	2.02	1.43	1411

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-01
Date:	12-Nov-2021
Seismic Source:	Plate
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.60	1.40	2.28			
2.60	2.40	3.00	0.72	1.65	435
3.60	3.40	3.85	0.85	1.93	438
4.65	4.45	4.80	0.95	2.09	455
5.60	5.40	5.69	0.89	1.93	461
6.60	6.40	6.65	0.96	1.90	503
7.60	7.40	7.62	0.97	0.85	1136
8.58	8.38	8.57	0.96	0.77	1239
9.58	9.38	9.55	0.98	0.78	1254
10.60	10.40	10.56	1.00	0.75	1336
12.65	12.45	12.58	2.02	1.32	1531
14.50	14.30	14.41	1.83	1.17	1564
16.62	16.42	16.52	2.11	1.25	1682
18.65	18.45	18.54	2.02	1.13	1784
20.65	20.45	20.53	1.99	1.13	1759
25.63	25.43	25.49	4.97	2.81	1770

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-02
Date:	15-Nov-2021
Seismic Source:	Plate
Seismic Offset (m):	1.90
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.00	2.80	3.38			
5.00	4.80	5.16	1.78	1.43	1242
6.00	5.80	6.10	0.94	0.70	1342
7.00	6.80	7.06	0.96	0.70	1367
8.38	8.18	8.40	1.34	1.00	1337
9.00	8.80	9.00	0.61	0.45	1345
10.00	9.80	9.98	0.98	0.70	1400
12.00	11.80	11.95	1.97	1.40	1407
14.00	13.80	13.93	1.98	1.35	1465

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-03
Date:	04-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.20	2.00	2.39			
3.00	2.80	3.09	0.70	0.66	1061
4.00	3.80	4.02	0.93	0.77	1205
5.00	4.80	4.97	0.96	0.59	1619
6.00	5.80	5.94	0.97	0.57	1699
7.38	7.18	7.30	1.35	0.76	1777
8.00	7.80	7.91	0.61	0.33	1848
9.02	8.82	8.92	1.01	0.54	1863
10.00	9.80	9.89	0.97	0.50	1937
14.00	13.80	13.86	3.98	2.07	1917
16.00	15.80	15.85	1.99	1.02	1949
18.00	17.80	17.85	1.99	1.00	1990
20.00	19.80	19.84	2.00	1.02	1952
25.00	24.80	24.83	4.99	2.56	1947

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-04
Date:	13-Dec-2021
Seismic Source:	Plate
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.43	2.23	2.87			
3.00	2.80	3.33	0.46	0.39	1183
4.00	3.80	4.21	0.88	0.72	1225
5.00	4.80	5.13	0.92	0.68	1365
6.00	5.80	6.07	0.95	0.66	1443
7.00	6.80	7.03	0.96	0.66	1466
8.00	7.80	8.01	0.97	0.65	1502
10.00	9.80	9.96	1.96	1.29	1516
12.00	11.80	11.94	1.97	1.26	1563
14.00	13.80	13.92	1.98	1.25	1581
16.00	15.80	15.90	1.99	1.19	1666
18.00	17.80	17.89	1.99	1.21	1641
20.00	19.80	19.88	1.99	1.25	1590
25.00	24.80	24.87	4.98	3.20	1560
30.00	29.80	29.85	4.99	2.75	1818
35.00	34.80	34.85	4.99	2.74	1825
40.00	39.80	39.84	4.99	2.77	1806

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-SOS-CPT-02
Date:	12-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	0.76	1141
4.00	3.80	4.02	0.93	0.57	1644
6.00	5.80	5.94	1.93	1.13	1712
7.00	6.80	6.92	0.98	0.54	1824
8.00	7.80	7.91	0.99	0.54	1830
10.00	9.80	9.89	1.98	1.05	1890

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-03
Date:	26-Jan-2022
Seismic Source:	Plate
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
5.98	5.78	6.05			
7.00	6.80	7.03	0.98	0.74	1331
8.00	7.80	8.01	0.97	0.59	1655
9.02	8.82	9.00	1.00	0.60	1655
10.00	9.80	9.96	0.96	0.64	1493
12.00	11.80	11.94	1.97	1.52	1302

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-04
Date:	30-Jan-2022
Seismic Source:	Plate
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.55			
3.00	2.80	3.33	0.78	0.59	1325
4.00	3.80	4.21	0.88	0.66	1325
7.00	6.80	7.03	2.83	2.15	1317
8.00	7.80	8.01	0.97	0.52	1868
9.00	8.80	8.98	0.98	0.50	1953
10.00	9.80	9.96	0.98	0.44	2248
12.00	11.80	11.94	0.99	0.51	1929
13.00	12.80	12.93	0.99	0.47	2095
14.00	13.80	13.92	0.99	0.46	2158
15.00	14.80	14.91	0.99	0.44	2261

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-08
Date:	24-Oct-2021
Seismic Source:	Plate
Seismic Offset (m):	1.00
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.02	1.82	2.08			
5.00	4.80	4.90	2.83	1.83	1546
6.00	5.80	5.89	0.98	0.69	1421
7.00	6.80	6.87	0.99	0.68	1448
8.00	7.80	7.86	0.99	0.69	1433
9.00	8.80	8.86	0.99	0.71	1400
10.00	9.80	9.85	0.99	0.64	1562
14.00	13.80	13.84	3.99	2.55	1562

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-09
Date:	05-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.05	1.85	2.26	0.74	1.16	635
4.00	3.80	4.02	1.76	1.32	1327
5.00	4.80	4.97	0.96	0.72	1336
6.00	5.80	5.94	0.97	0.66	1469
9.00	8.80	8.90	2.95	1.98	1492

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-10
Date:	22-Jan-2022
Seismic Source:	Plate
Seismic Offset (m):	1.20
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.43	2.23	2.53			
3.00	2.80	3.05	0.51	0.72	718
4.00	3.80	3.99	0.94	0.76	1233
5.00	4.80	4.95	0.96	0.74	1307
5.65	5.45	5.58	0.63	0.49	1303
7.00	6.80	6.91	1.32	0.83	1603
8.00	7.80	7.89	0.99	0.60	1656
9.00	8.80	8.88	0.99	0.56	1764
10.00	9.80	9.87	0.99	0.61	1636

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-13
Date:	24-Jan-2022
Seismic Source:	Plate
Seismic Offset (m):	1.20
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.16			
3.00	2.80	3.05	0.88	0.73	1215
4.00	3.80	3.99	0.94	0.66	1428
5.00	4.80	4.95	0.96	0.64	1513
6.00	5.80	5.92	0.98	0.61	1593
9.90	9.70	9.77	3.85	2.55	1508

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-14
Date:	21-Oct-2021
Seismic Source:	Plate
Seismic Offset (m):	0.95
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.98	1.78	2.02			
3.03	2.83	2.99	0.97	0.88	1098
4.05	3.85	3.97	0.98	0.66	1483
5.03	4.83	4.92	0.96	0.61	1566
6.00	5.80	5.88	0.95	0.59	1616
8.02	7.82	7.88	2.00	1.22	1636
9.02	8.82	8.87	0.99	0.60	1656
10.02	9.82	9.87	1.00	0.60	1653
12.05	11.85	11.89	2.02	1.19	1696
14.05	13.85	13.88	2.00	1.20	1659
16.05	15.85	15.88	2.00	1.20	1661
18.00	17.80	17.83	1.95	1.15	1690
20.00	19.80	19.82	2.00	1.14	1748

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-15
Date:	10-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	1.65	420
3.00	2.80	3.09	0.87	1.71	507
5.00	4.80	4.97	1.89	2.08	905
7.02	6.82	6.94	1.97	1.11	1779
9.00	8.80	8.90	1.95	1.05	1856
10.00	9.80	9.89	0.99	0.50	1997

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-17
Date:	10-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.35	2.15	2.51			
2.98	2.78	3.07	0.56	0.49	1131
4.00	3.80	4.02	0.95	0.55	1719
5.05	4.85	5.02	1.01	0.55	1824
6.00	5.80	5.94	0.92	0.50	1842
7.02	6.82	6.94	1.00	0.50	1994
8.02	7.82	7.93	0.98	0.50	1986
9.00	8.80	8.90	0.97	0.49	1973

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-18
Date:	02-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.52	1.32	1.85			
2.00	1.80	2.22	0.37	0.45	820
3.00	2.80	3.09	0.87	0.91	955
5.00	4.80	4.97	1.89	1.15	1635
7.00	6.80	6.92	1.95	1.15	1691
9.00	8.80	8.90	1.97	1.15	1710
10.00	9.80	9.89	0.99	0.58	1717
14.00	13.80	13.86	3.98	2.05	1944
20.00	19.80	19.84	5.98	2.91	2056
25.00	24.80	24.83	4.99	2.38	2098

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-20
Date:	25-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.60
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.79			
2.00	1.80	2.41	0.62	0.99	625
3.00	2.80	3.23	0.82	0.99	823
4.00	3.80	4.12	0.90	0.72	1245
5.00	4.80	5.06	0.94	0.63	1482
7.98	7.78	7.94	2.88	1.83	1577
9.98	9.78	9.91	1.97	1.16	1700

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-21
Date:	23-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.60
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.98	1.78	2.39			
3.00	2.80	3.23	0.83	0.61	1358
4.00	3.80	4.12	0.90	0.59	1520
5.00	4.80	5.06	0.94	0.58	1610
6.00	5.80	6.02	0.96	0.59	1620
7.00	6.80	6.99	0.97	0.59	1640
7.98	7.78	7.94	0.96	0.56	1706
9.00	8.80	8.94	1.00	0.58	1725
10.00	9.80	9.93	0.99	0.56	1756
12.00	11.80	11.91	1.98	1.15	1717
14.00	13.80	13.89	1.98	1.11	1784
16.00	15.80	15.88	1.99	1.10	1804
20.00	19.80	19.87	3.98	2.21	1799

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-23
Date:	18-Mar-2022
Seismic Source:	Plate
Seismic Offset (m):	1.60
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
3.00	2.80	3.22			
4.00	3.80	4.12	0.90	0.66	1359
5.00	4.80	5.06	0.94	0.66	1417
6.00	5.80	6.02	0.96	0.66	1448
7.00	6.80	6.99	0.97	0.62	1560
8.00	7.80	7.96	0.98	0.59	1653
9.00	8.80	8.94	0.98	0.59	1662
12.02	11.82	11.93	2.98	1.76	1692
17.98	17.78	17.85	5.92	3.44	1724
24.02	23.82	23.87	6.02	3.36	1795

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WOS-CPT-01
Date:	28-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.22			
3.00	2.80	3.09	0.87	0.55	1573
4.00	3.80	4.02	0.93	0.54	1718
5.00	4.80	4.97	0.96	0.55	1736
6.00	5.80	5.94	0.97	0.56	1730
7.00	6.80	6.92	0.98	0.55	1777
8.00	7.80	7.91	0.99	0.55	1787
9.00	8.80	8.90	0.99	0.55	1793
10.00	9.80	9.89	0.99	0.55	1798
12.00	11.80	11.87	1.99	1.10	1802
14.18	13.98	14.04	2.17	1.23	1760
16.00	15.80	15.85	1.81	1.00	1810
18.03	17.83	17.88	2.02	1.12	1803
20.03	19.83	19.87	2.00	1.07	1862

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-14
Date:	12-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	0.60	1155
3.00	2.80	3.09	0.87	0.56	1559
5.03	4.83	5.00	1.92	1.03	1856

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-15
Date:	16-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.02	1.82	2.24	0.71	0.78	915
3.00	2.80	3.09	0.85	0.55	1558
4.00	3.80	4.02	0.93	0.49	1913

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-16
Date:	14-Feb-2022
Seismic Source:	Plate
Seismic Offset (m):	1.30
Source Depth (m):	0.00
Geophone Offset (m):	0.20

SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
1.00	0.80	1.53			
2.00	1.80	2.22	0.69	0.56	1246
3.00	2.80	3.09	0.87	0.55	1570
4.00	3.80	4.02	0.93	0.51	1824
5.00	4.80	4.97	0.96	0.36	2673

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-17
Date:	09-Dec-2021
Seismic Source:	Plate
Seismic Offset (m):	1.80
Source Depth (m):	0.00
Geophone Offset (m):	0.20

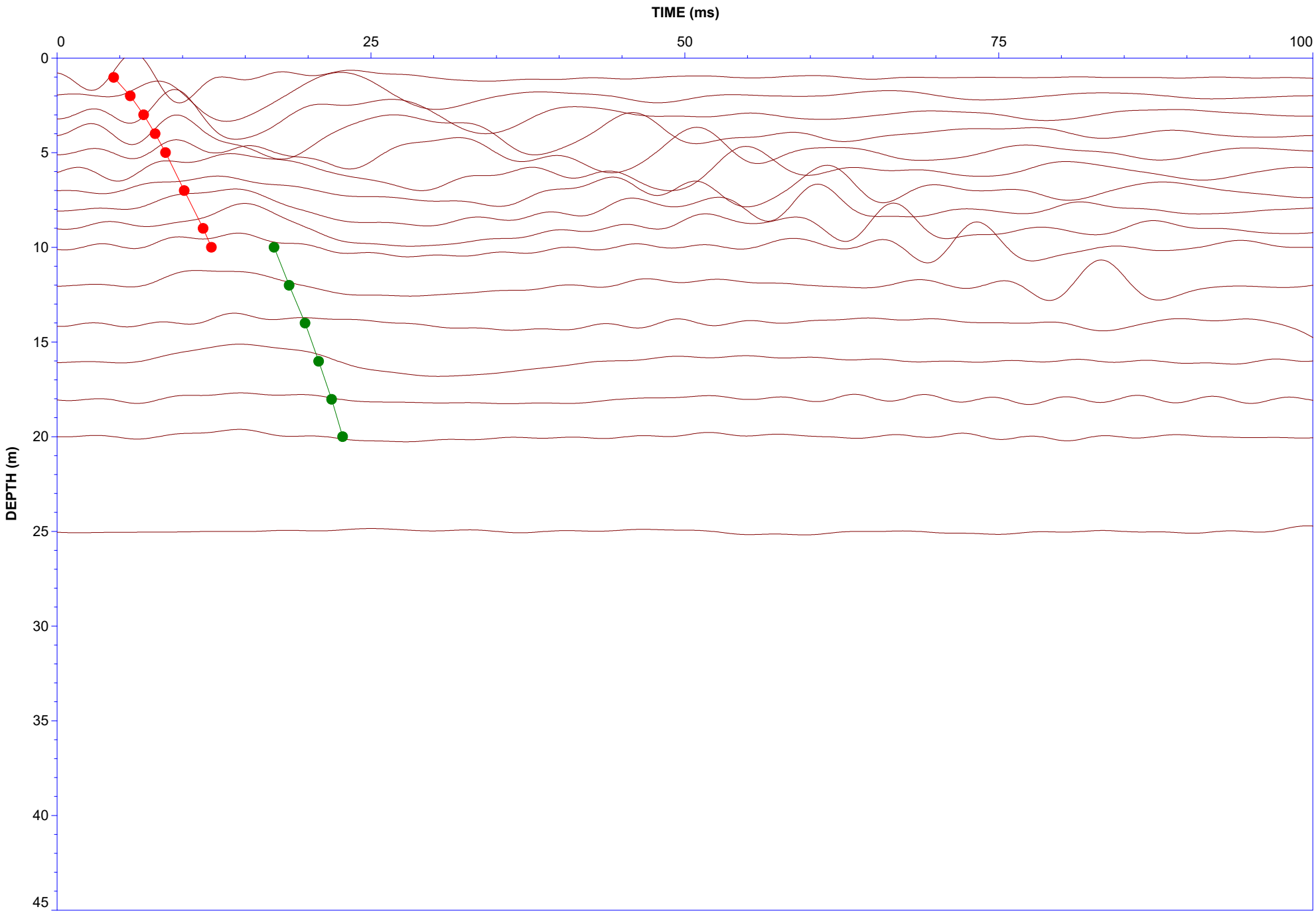
SCPTu COMPRESSION WAVE VELOCITY TEST RESULTS - Vp

Tip Depth (m)	Geophone Depth (m)	Ray Path (m)	Ray Path Difference (m)	Travel Time Interval (ms)	Interval Velocity (m/s)
2.00	1.80	2.55			
3.03	2.83	3.35	0.81	0.53	1532
4.00	3.80	4.21	0.85	0.54	1574
5.00	4.80	5.13	0.92	0.55	1669
6.63	6.43	6.68	1.55	0.87	1775
7.02	6.82	7.05	0.38	0.21	1841

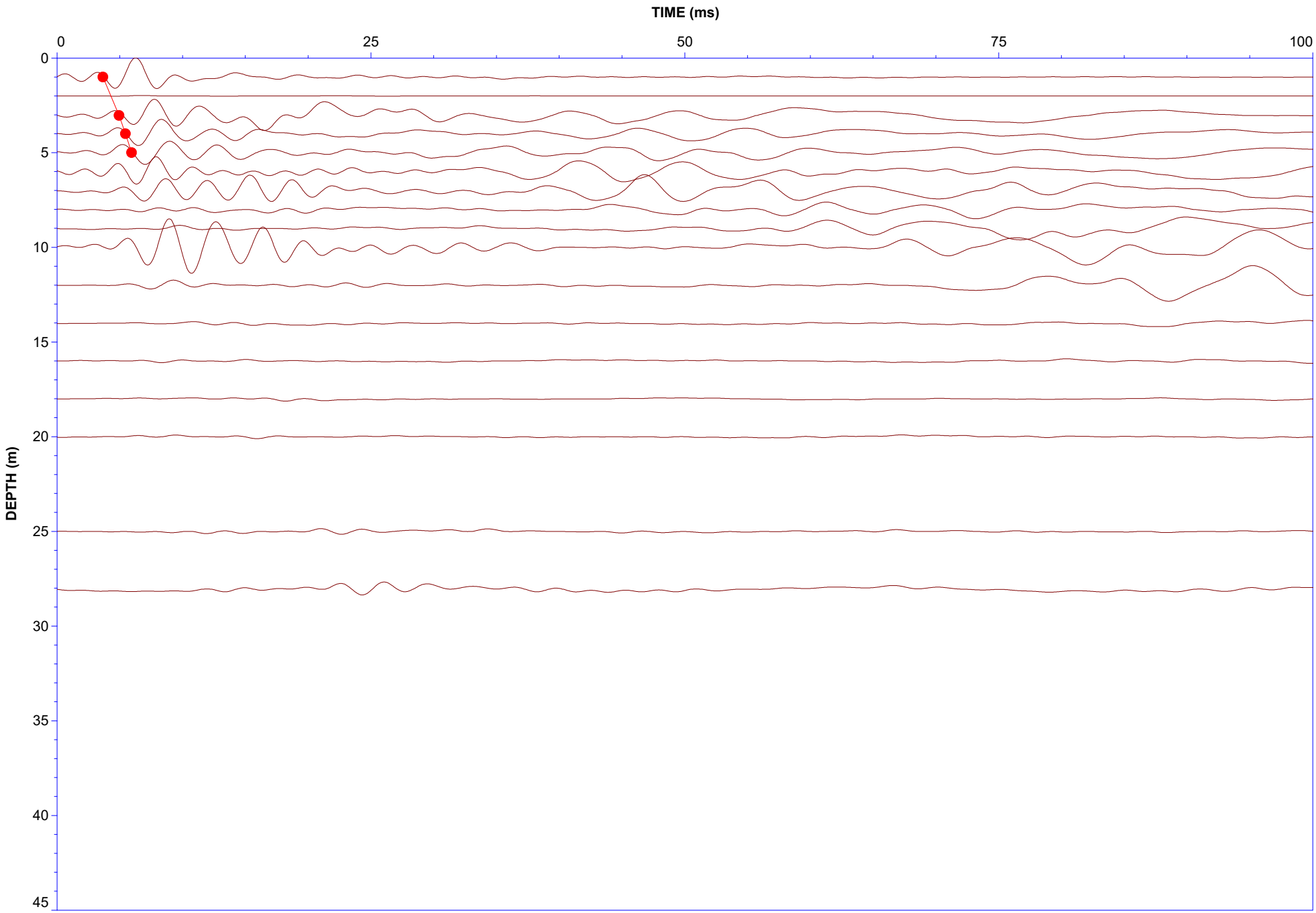
Seismic Cone Penetration Test Compression Wave (Vp) Traces

CONETEC

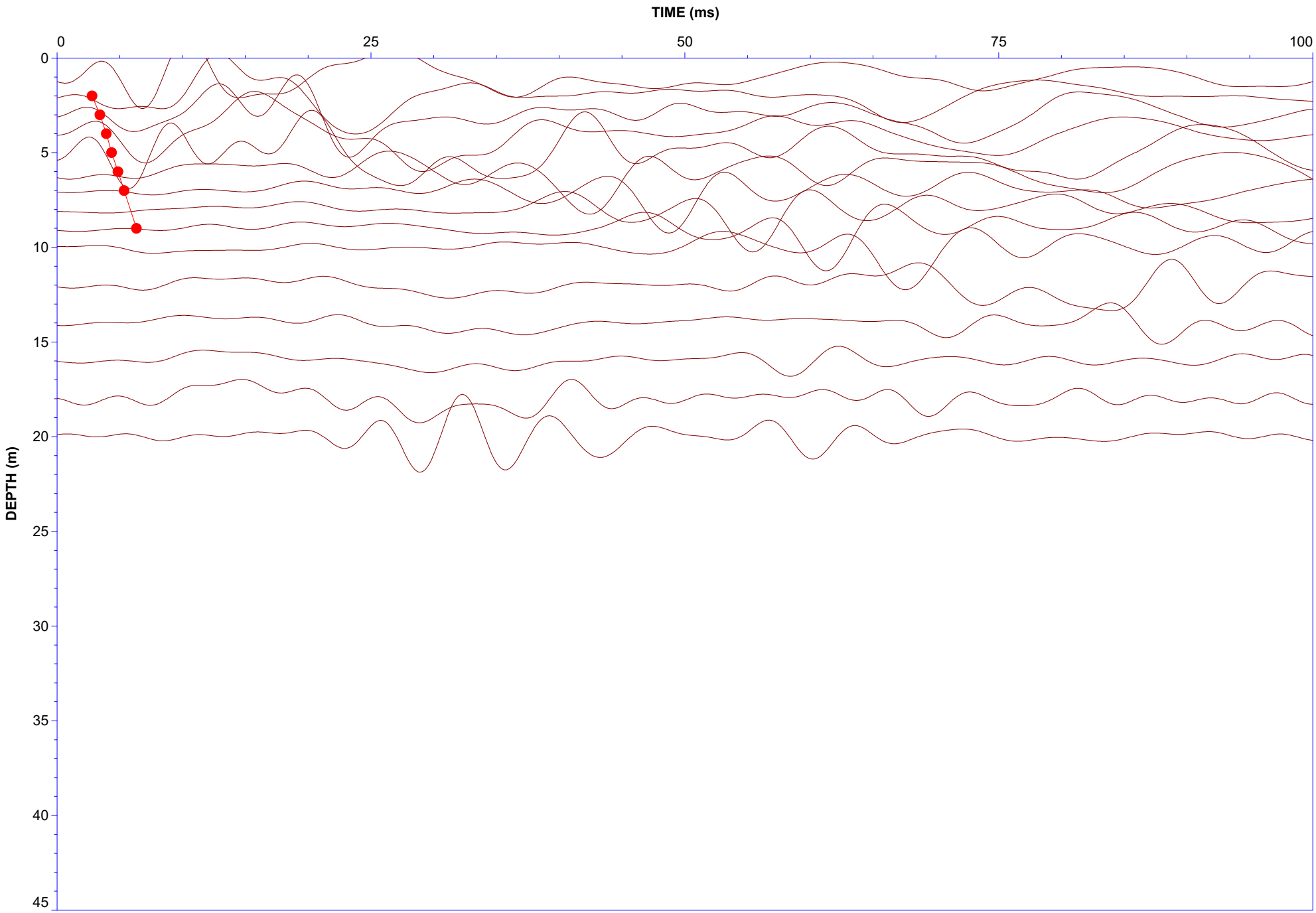
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 10-200Hz Sounding: SRK-HG-CPT-01
Date: 02-Mar-2022



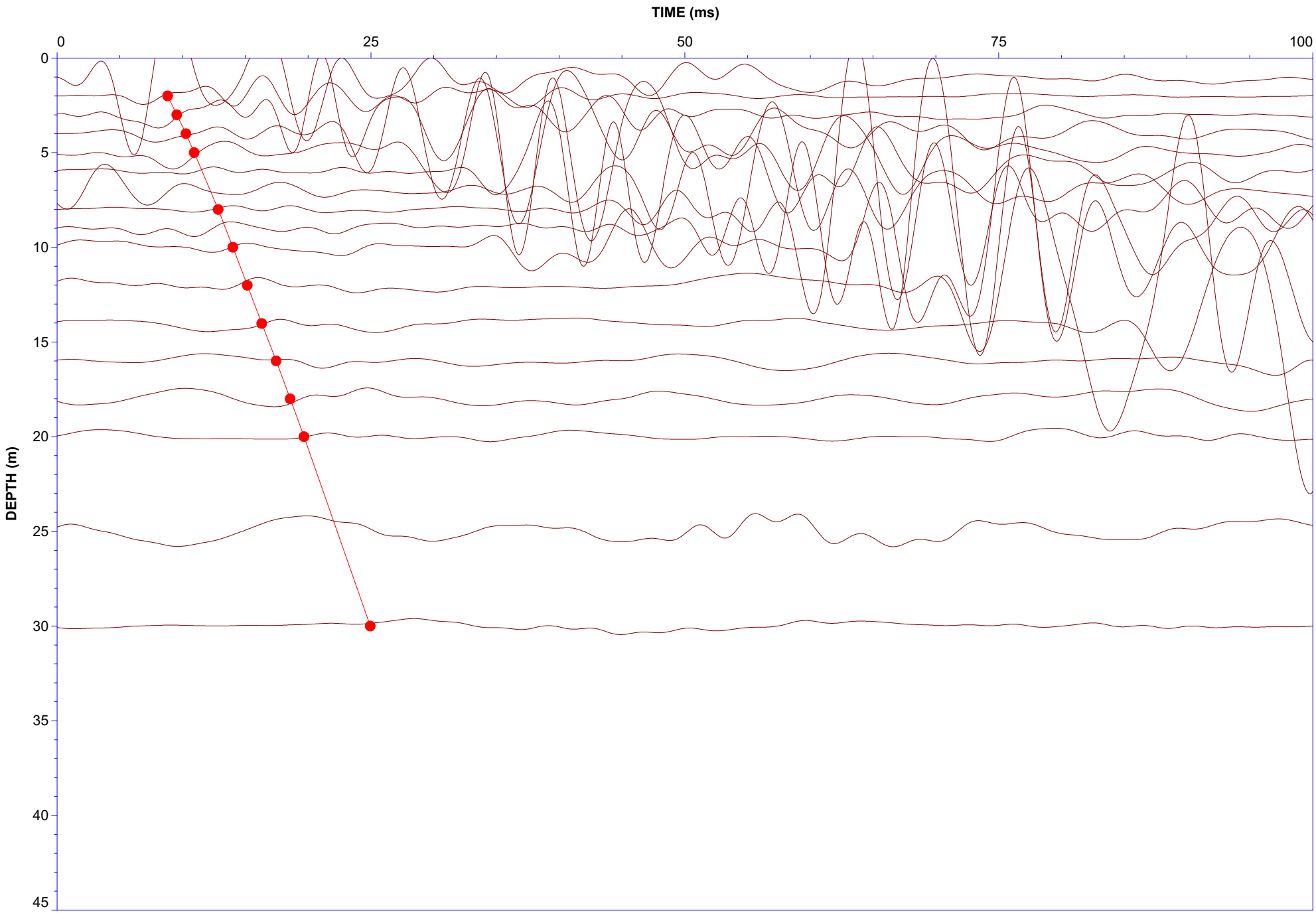
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 10-400Hz | Sounding: SRK-HG-CPT-03 | Date: 01-Mar-2022



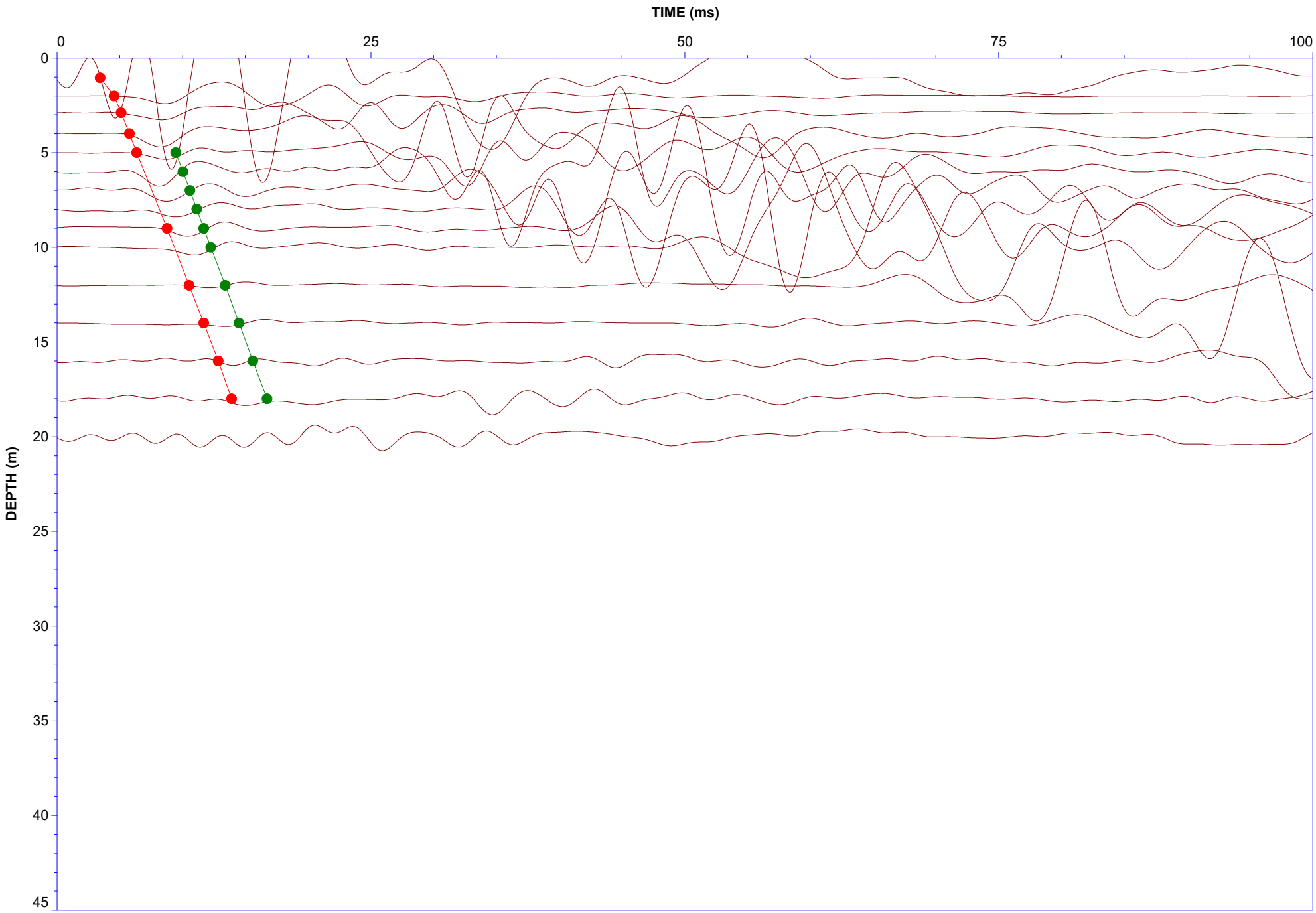
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_10-200Hz Sounding: SRK-LG-CPT-01B
Date: 05-Mar-2022



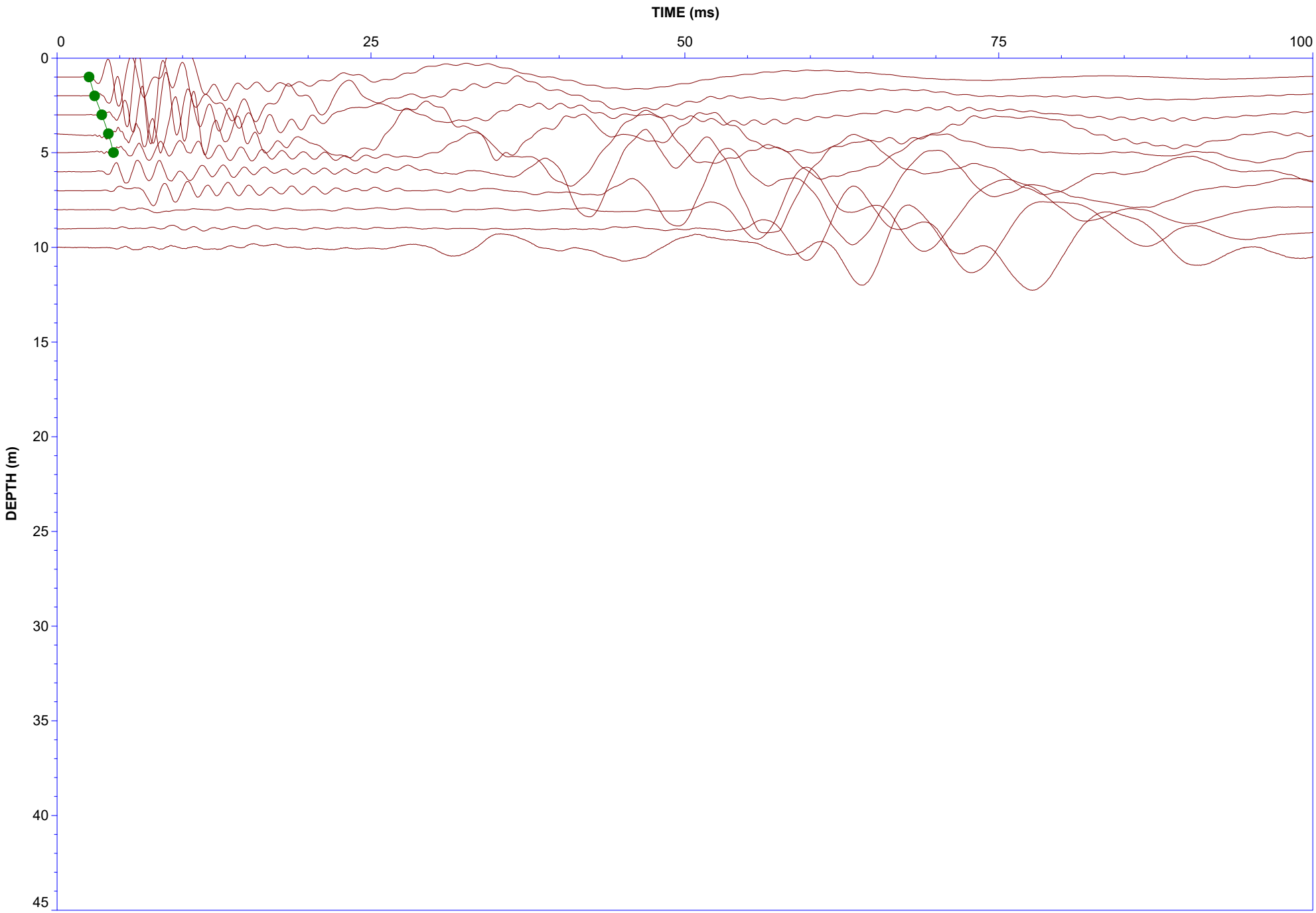
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-LG-CPT-02 | Date: 26-Feb-2022



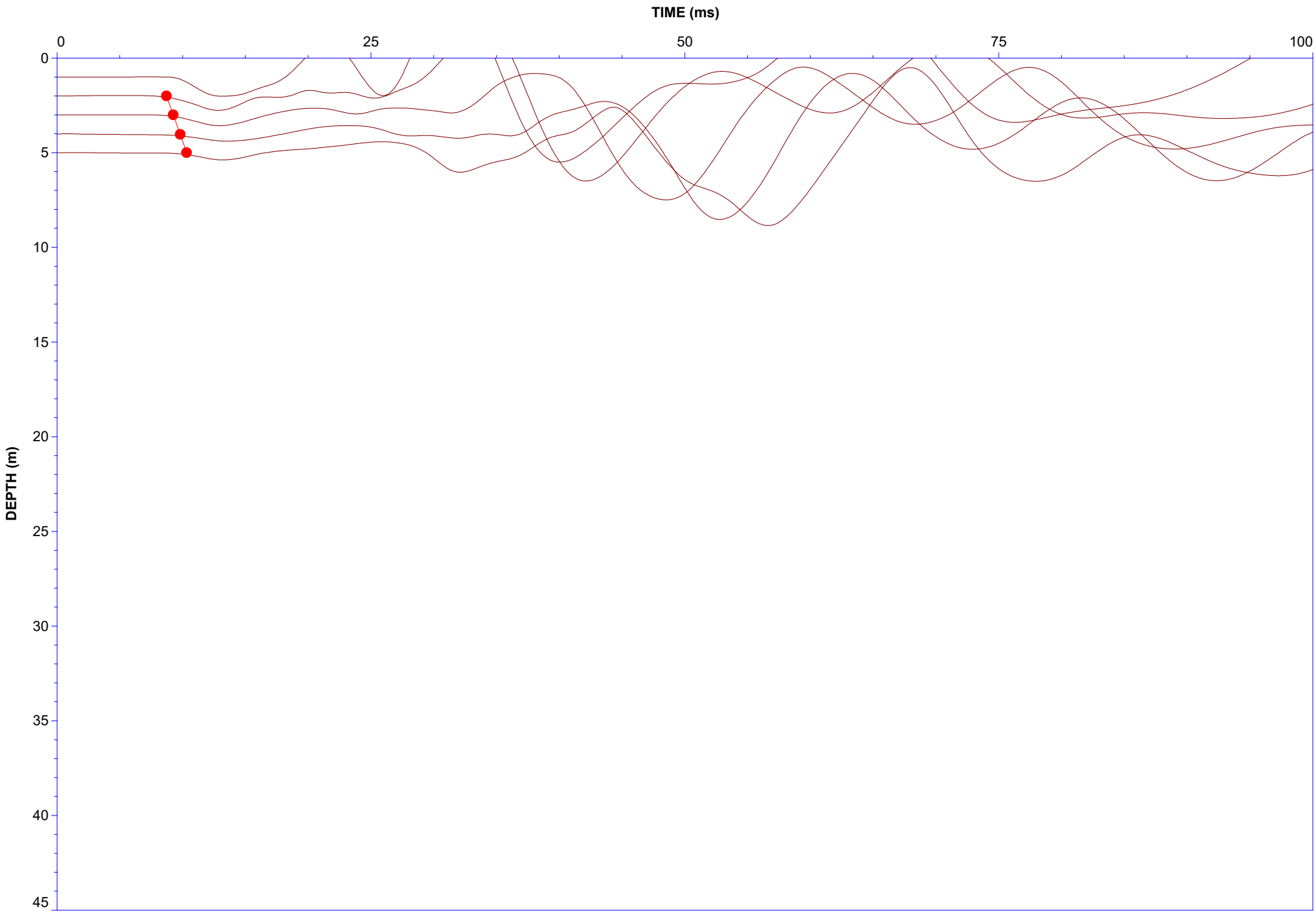
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-LG-CPT-03 | Date: 21-Mar-2022



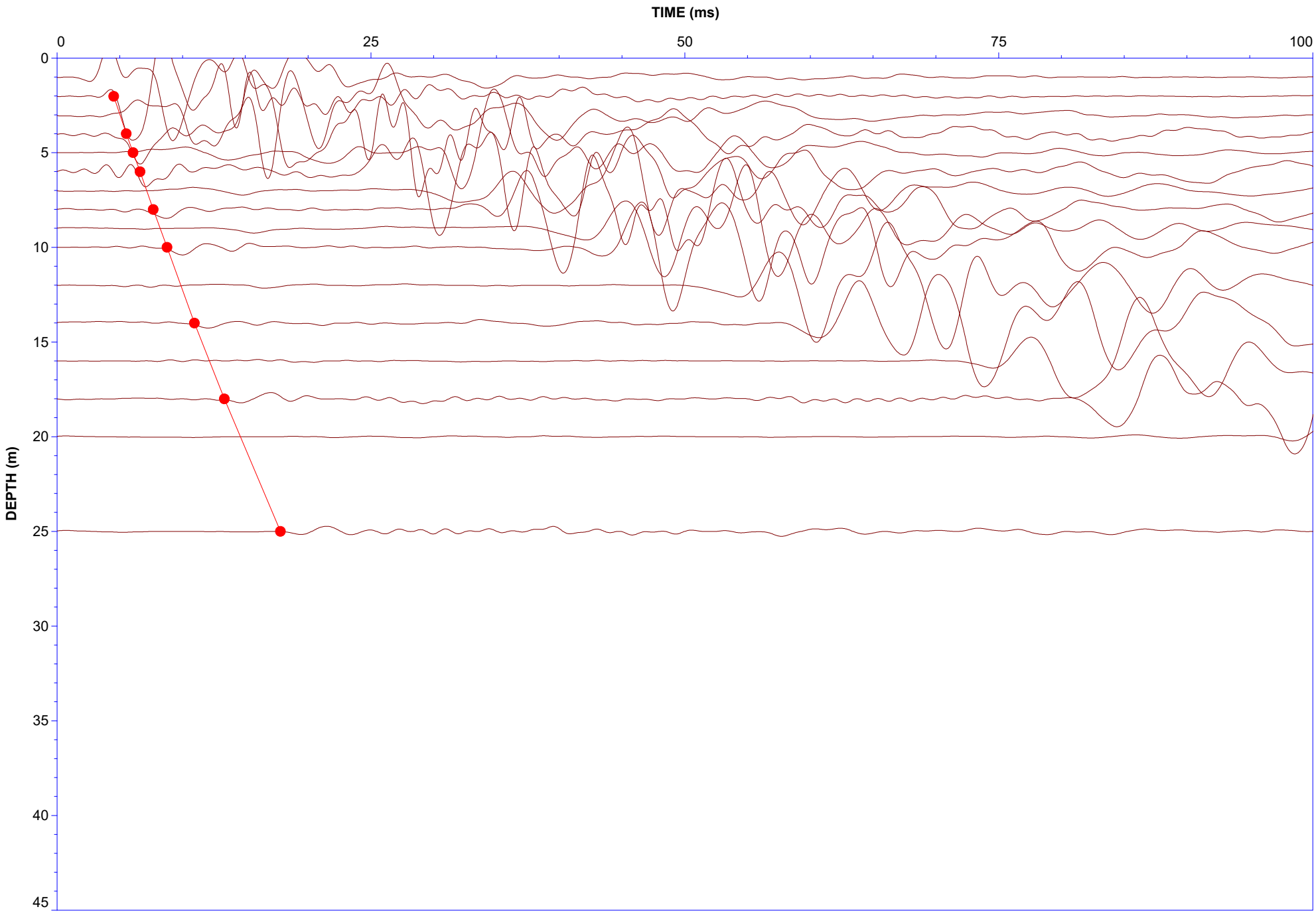
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_No Filter Sounding: SRK-LG-CPT-06
Date: 06-Mar-2022



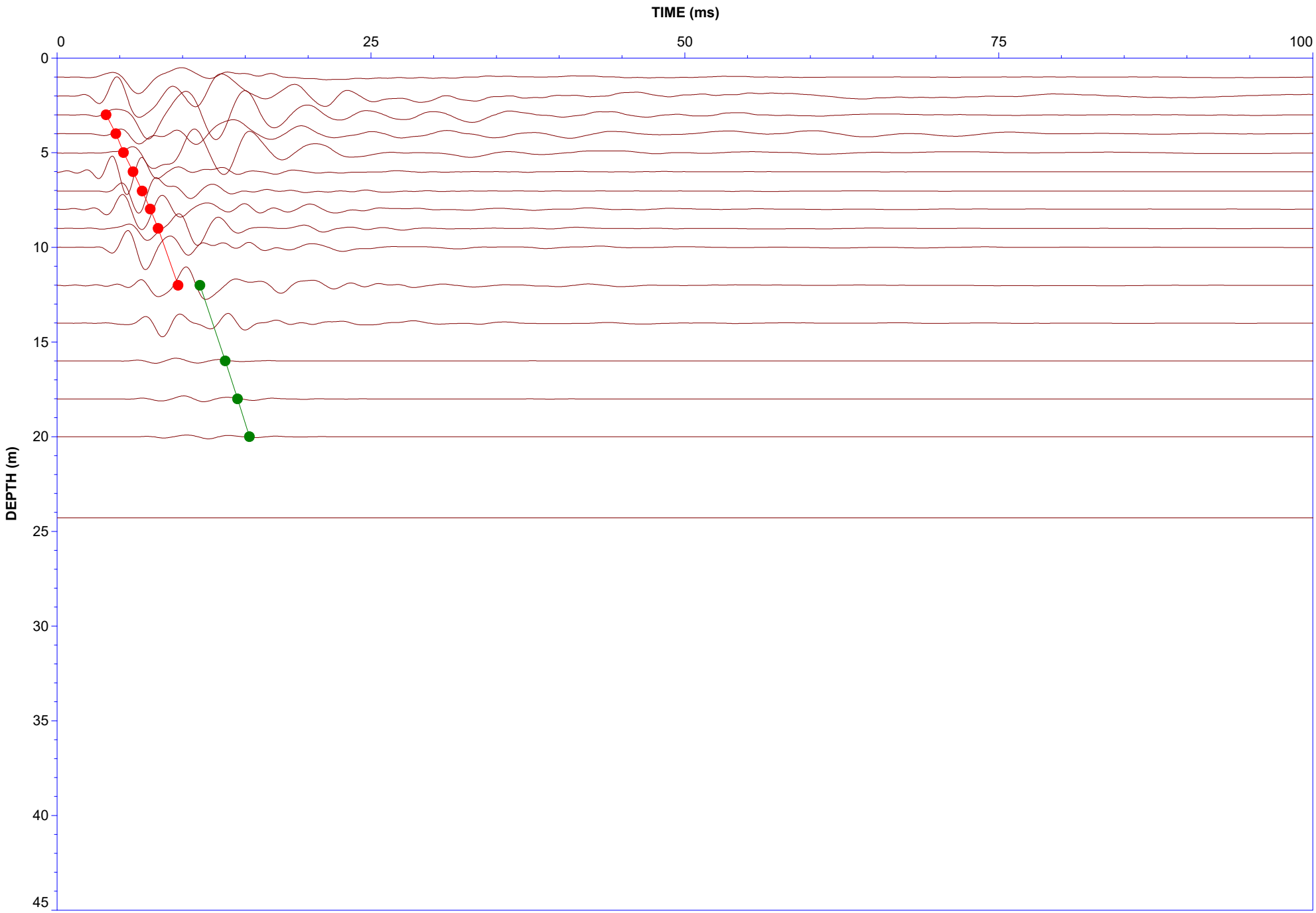
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-500Hz Sounding: SRK-LGS-CPT-01
Date: 21-Nov-2021



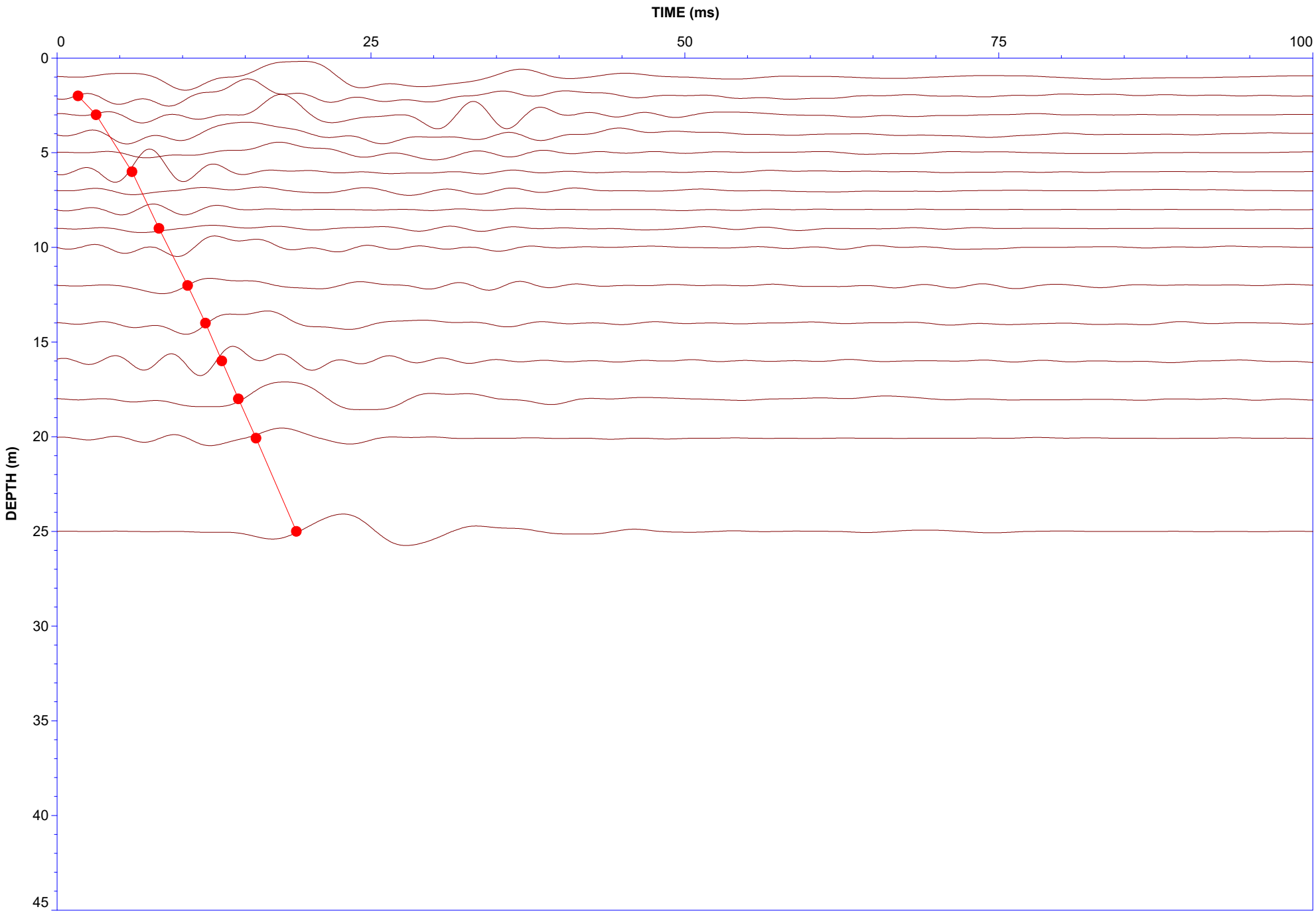
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-600Hz Sounding: SRK-OP-CPT-06
Date: 07-Feb-2022



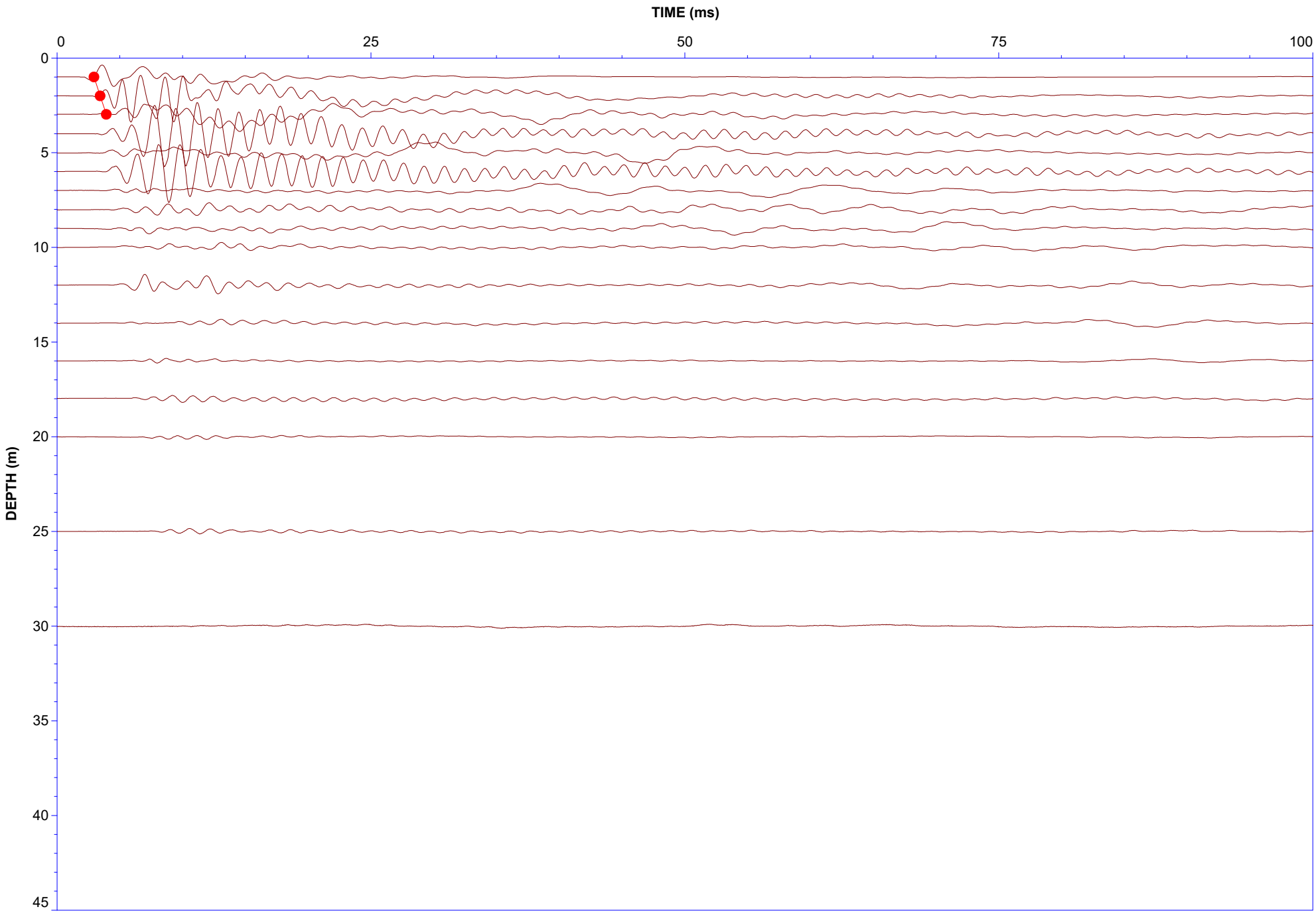
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-600Hz Sounding: SRK-OP-CPT-08
Date: 23-Feb-2022



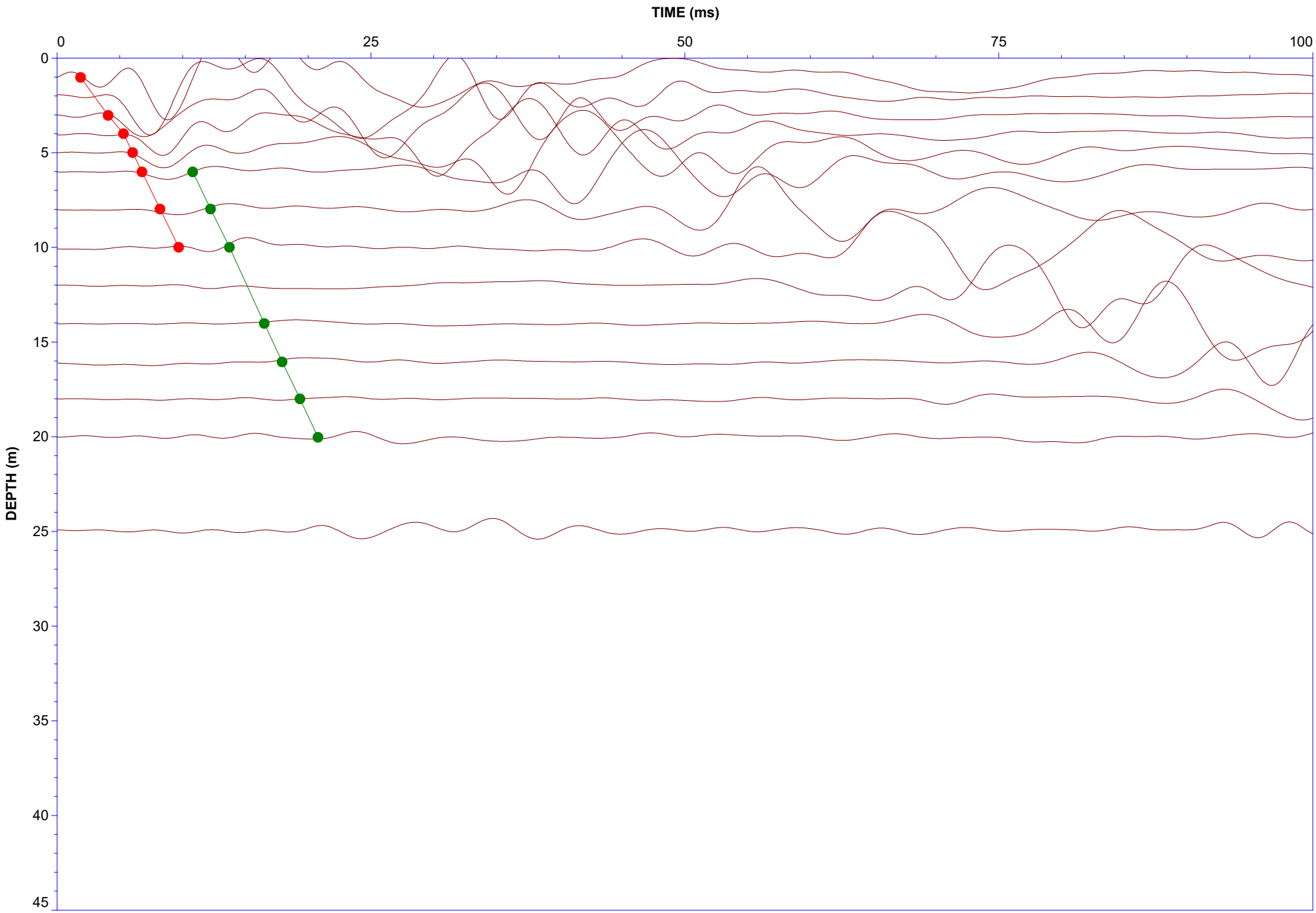
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-250Hz Sounding: SRK-OP-CPT-09
Date: 18-Feb-2022



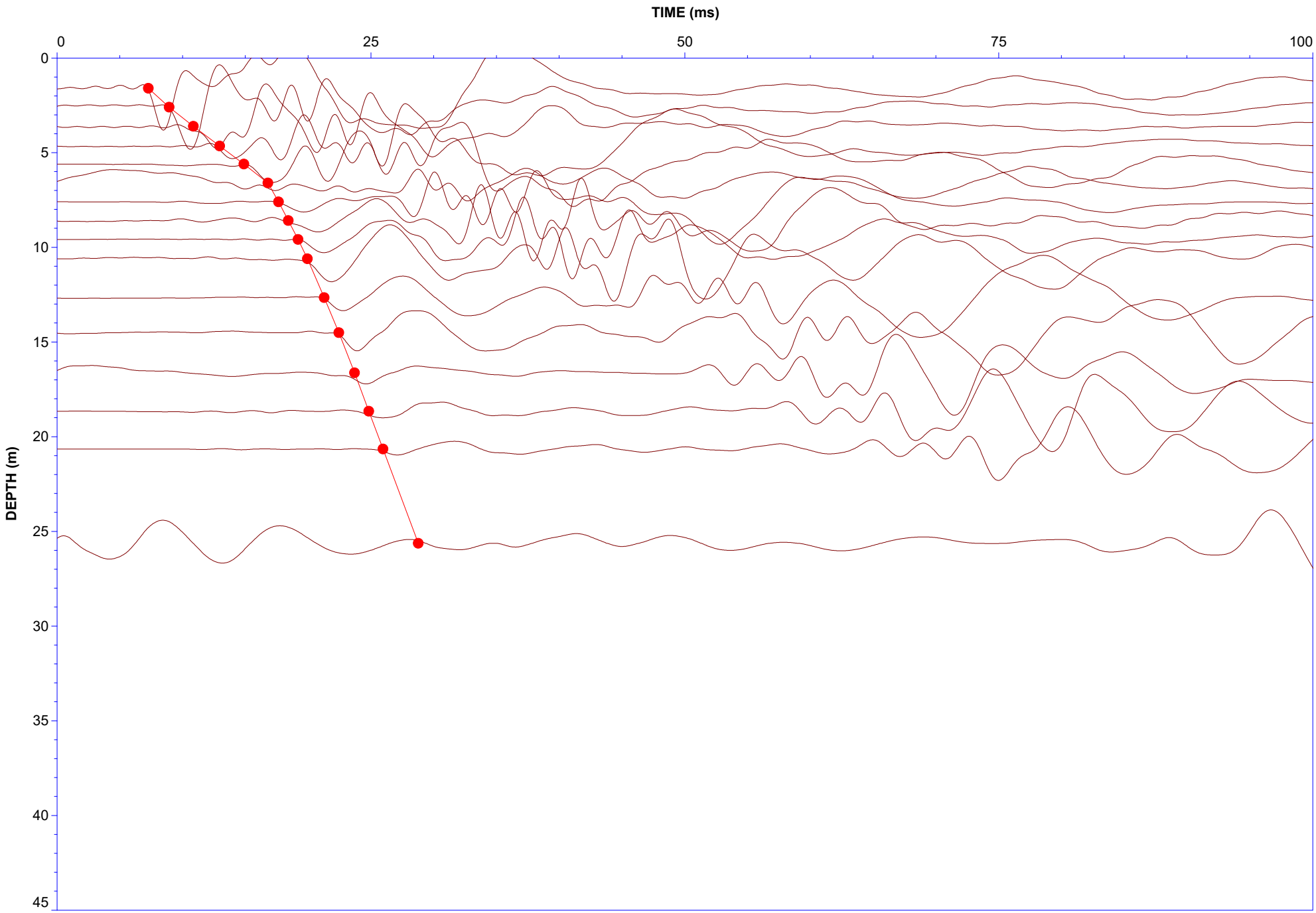
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: No Filter | Sounding: SRK-OP-CPT-12 | Date: 21-Feb-2022



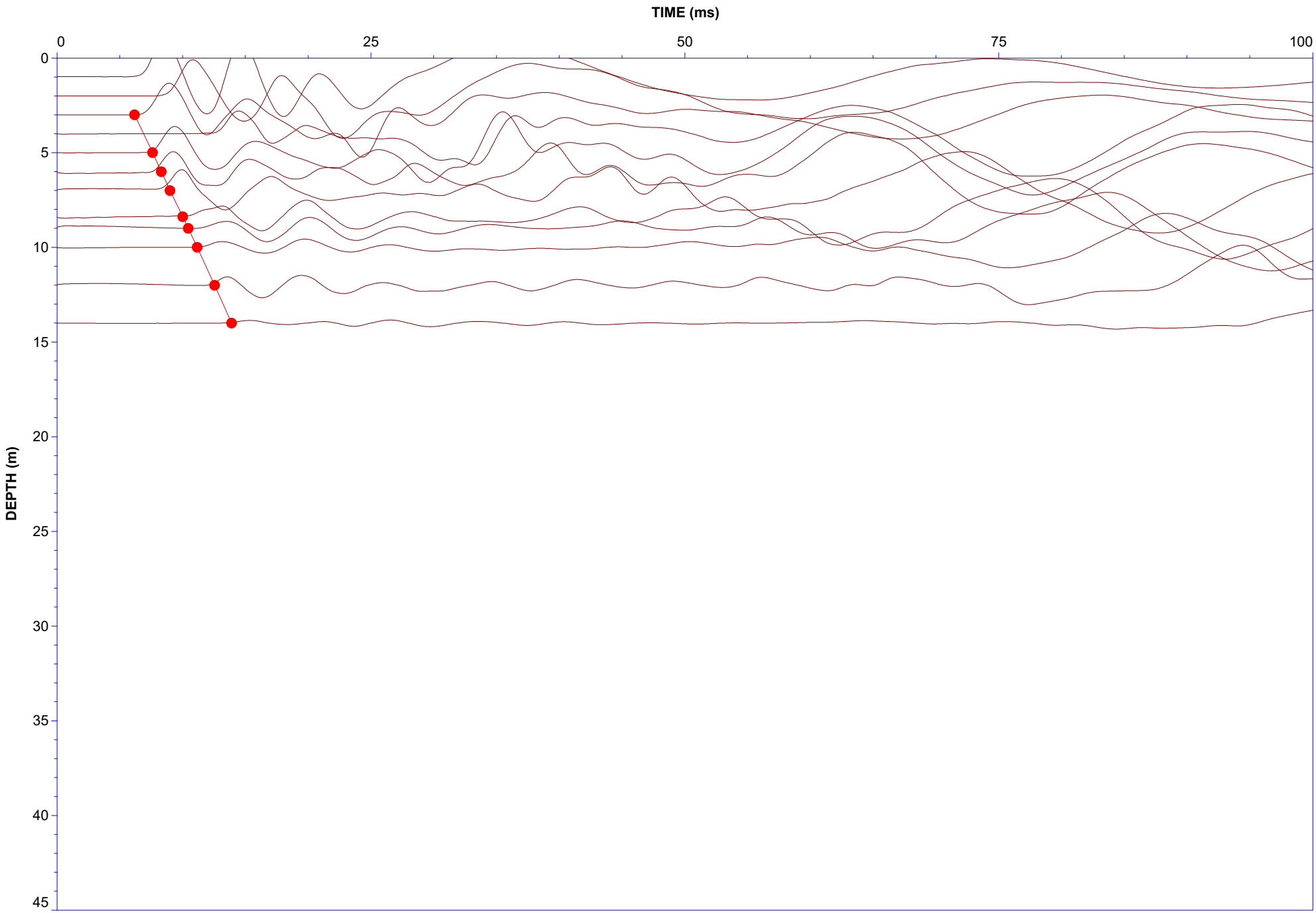
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_0-250Hz Sounding: SRK-OP-CPT-16
Date: 20-Mar-2022



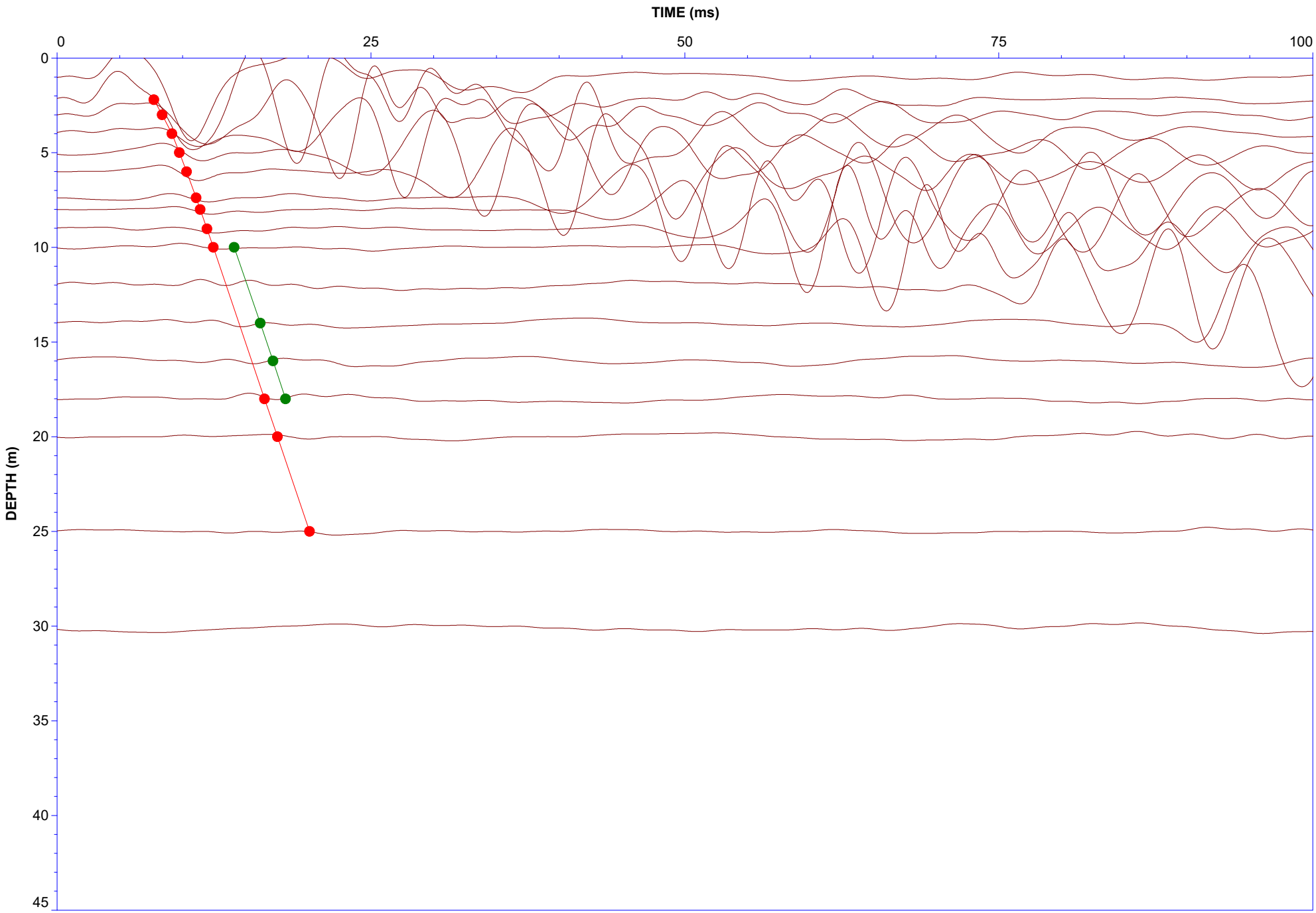
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-500Hz | Sounding: SRK-PF-CPT-01 | Date: 12-Nov-2021

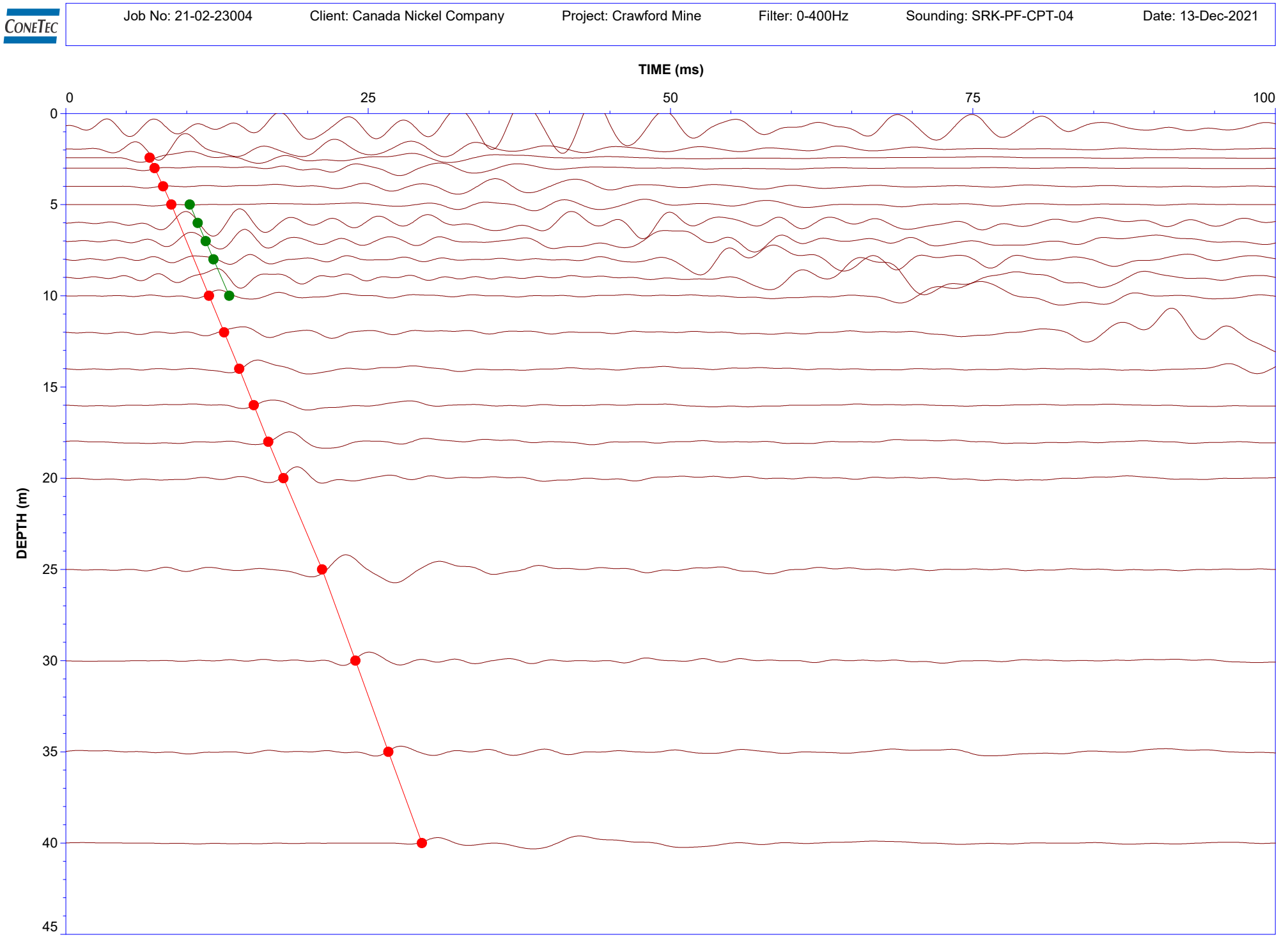


Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-600Hz | Sounding: SRK-PF-CPT-02 | Date: 15-Nov-2021

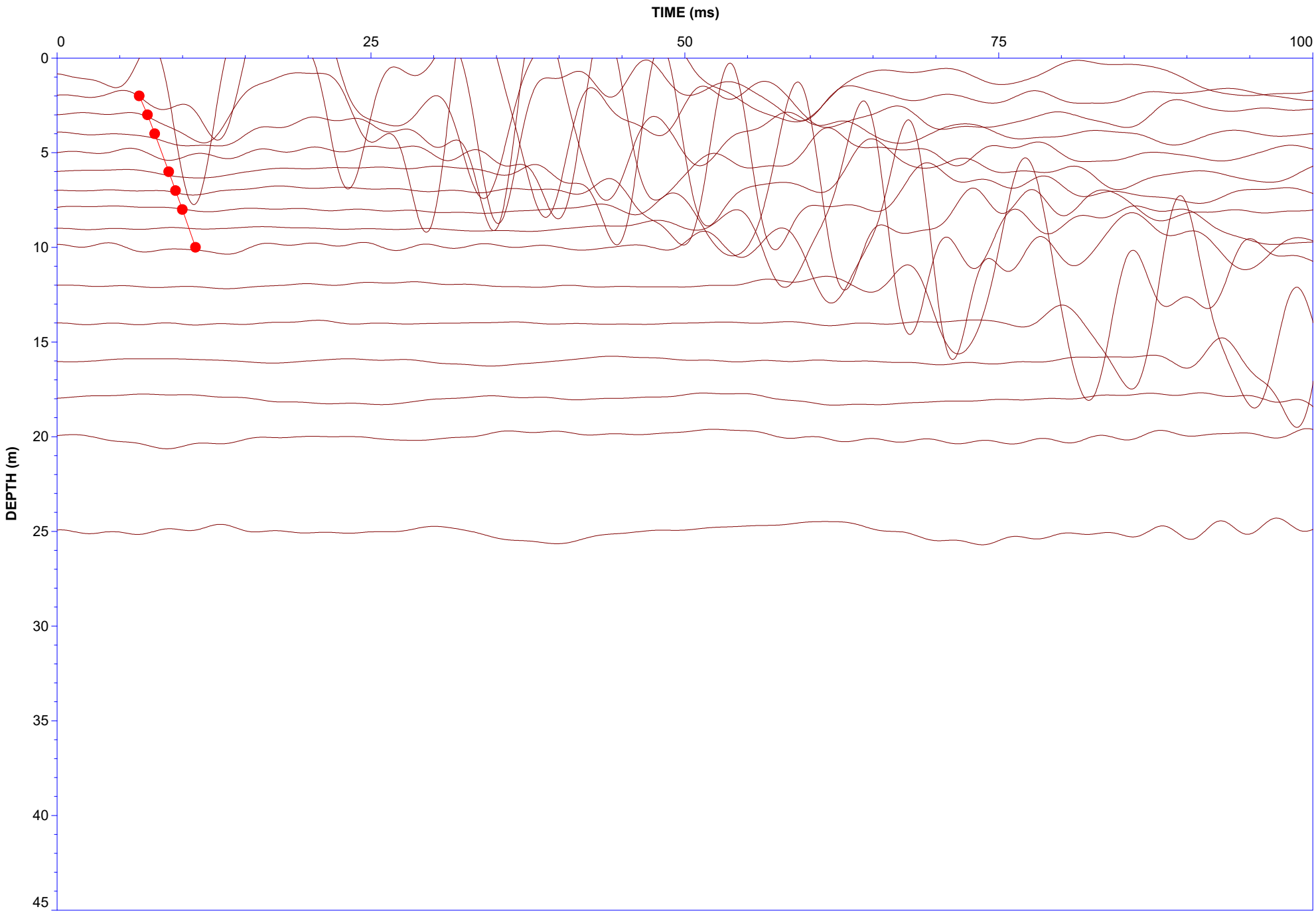


Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-PF-CPT-03 | Date: 04-Mar-2022

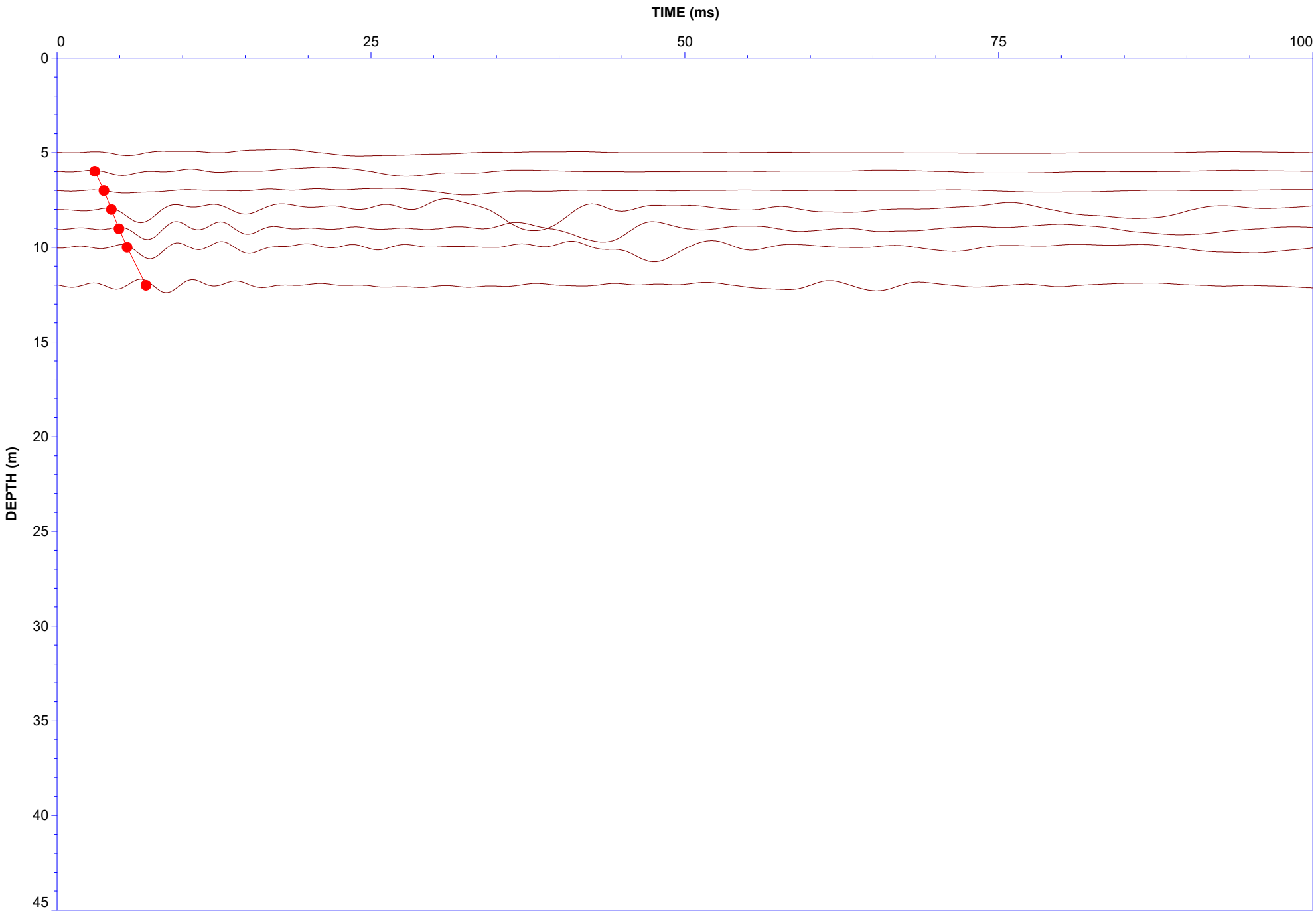



Job No: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Filter: 0-400Hz
Sounding: SRK-PF-CPT-04
Date: 13-Dec-2021
TIME (ms)
0
25
50
75
100
DEPTH (m)
0
5
10
15
20
25
30
35
40
45

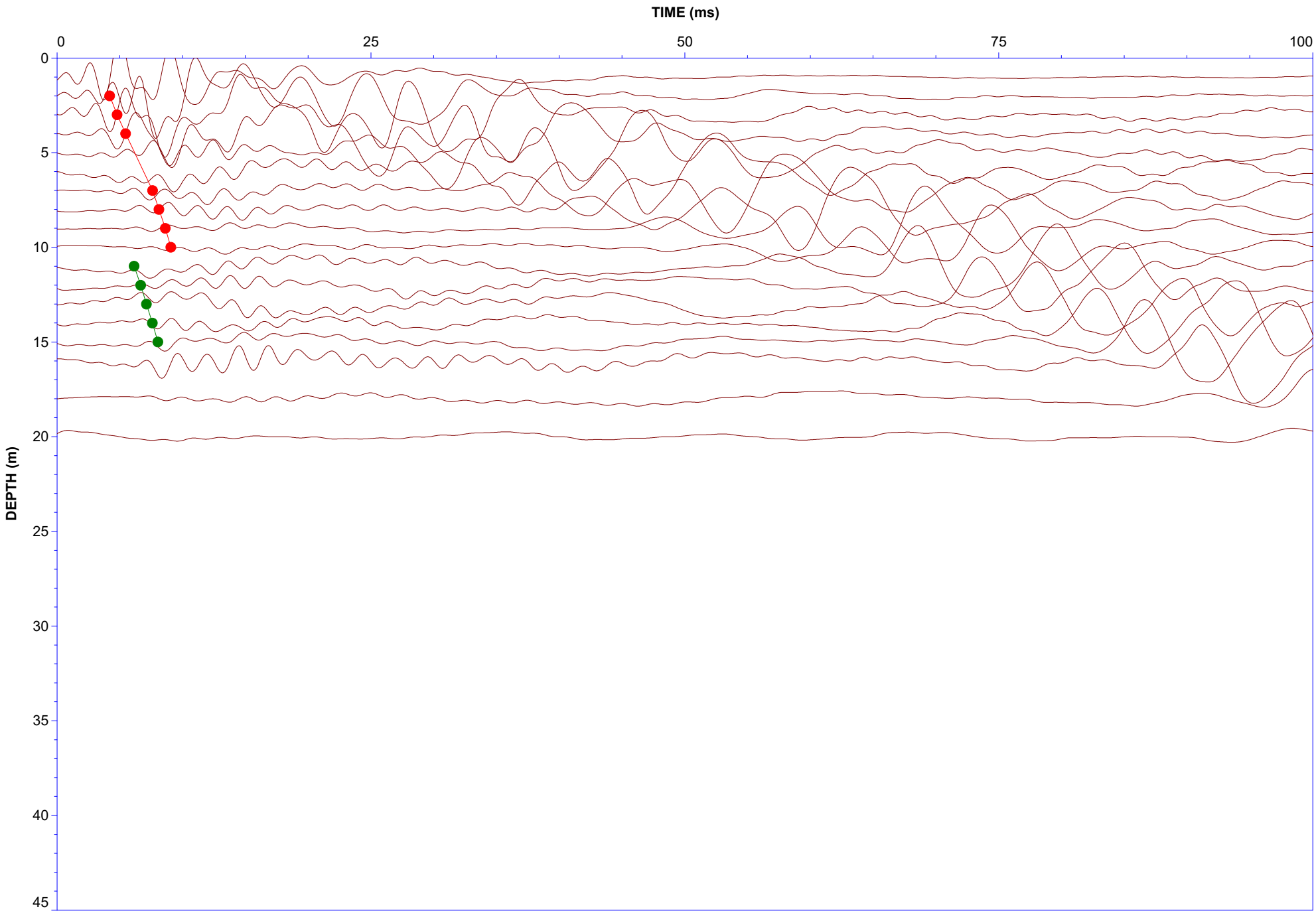
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-250Hz Sounding: SRK-SOS-CPT-02
Date: 12-Mar-2022



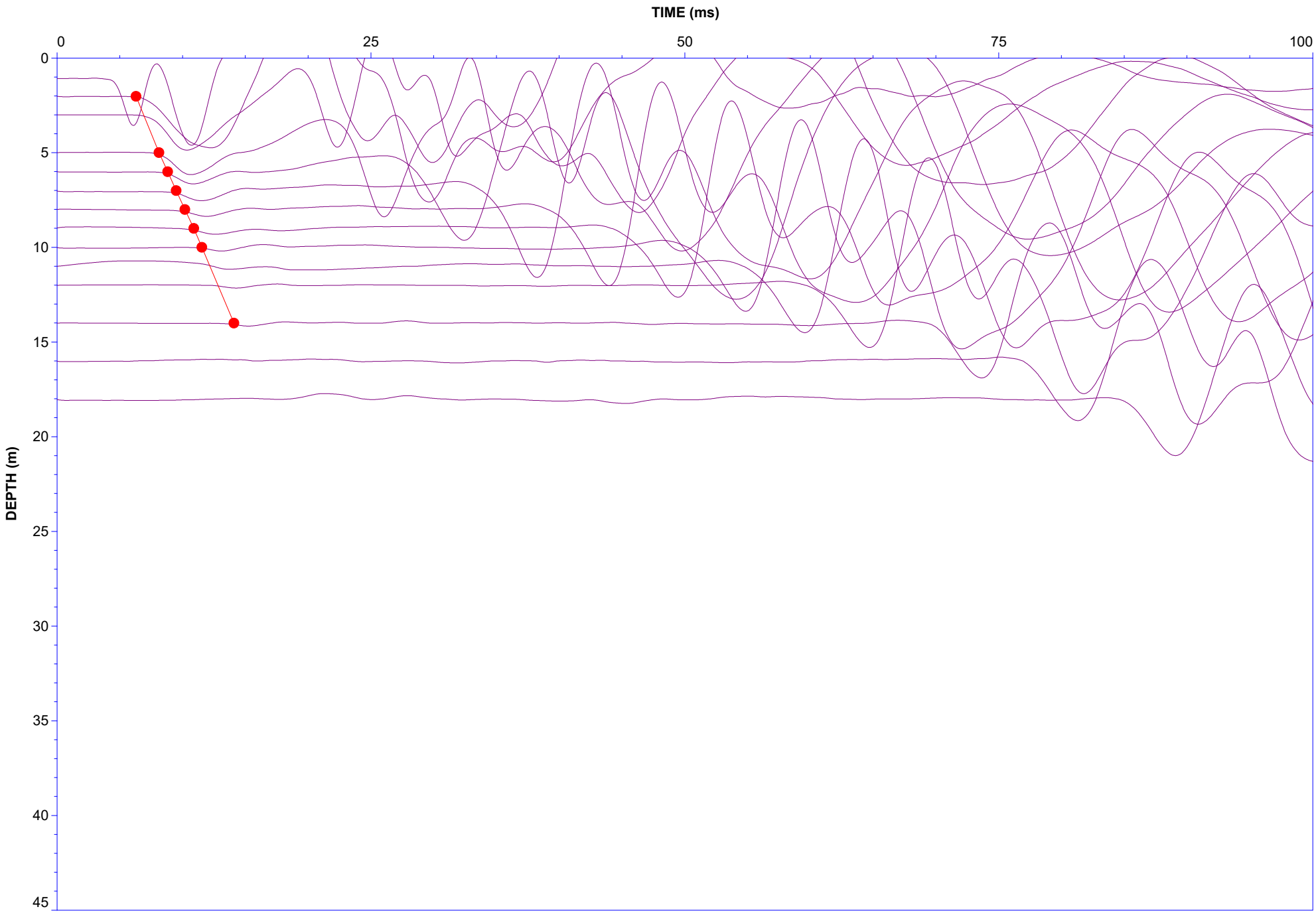
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-03
Date: 26-Jan-2022



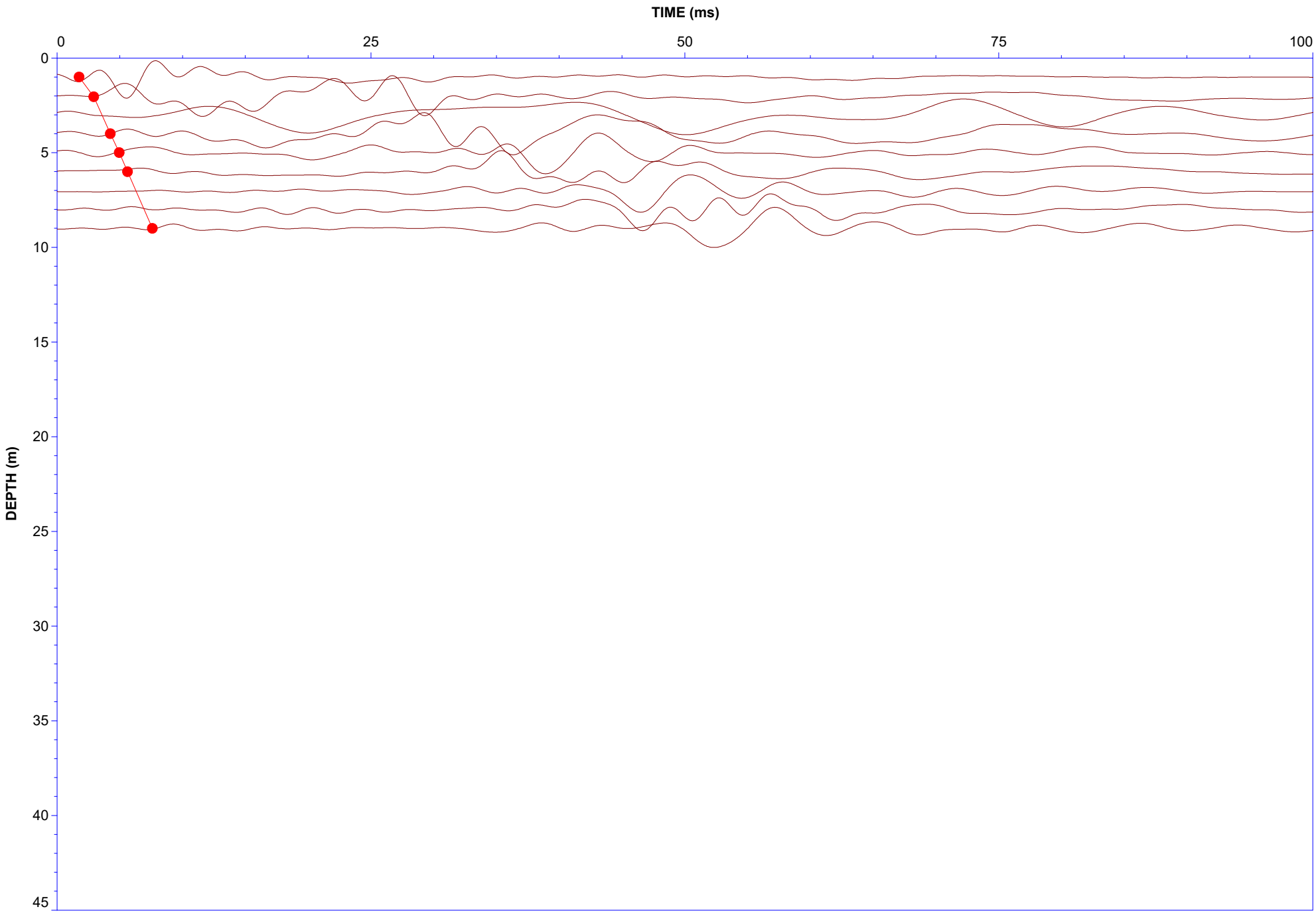
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_10-550Hz Sounding: SRK-TSF-CPT-04
Date: 30-Jan-2022



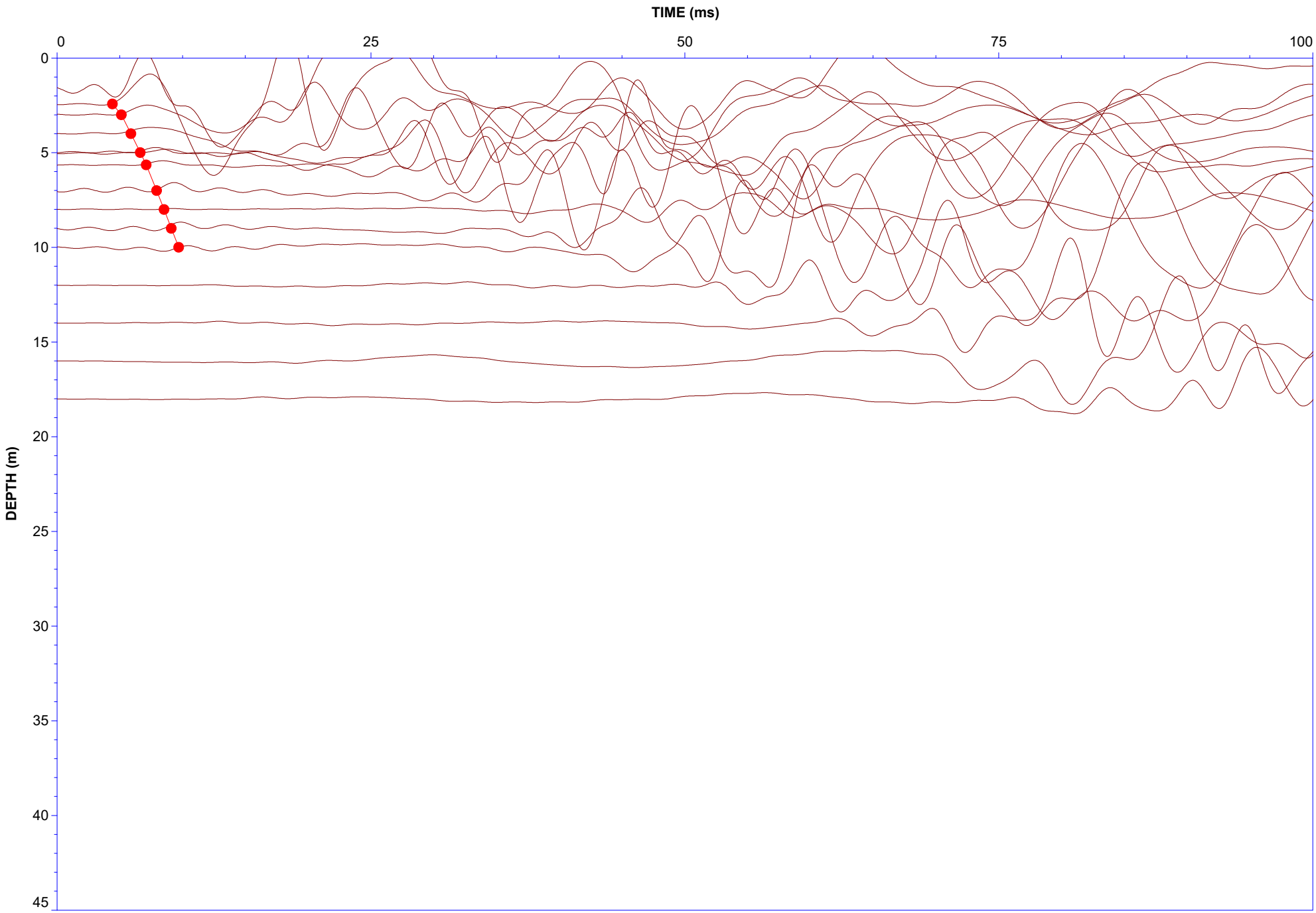
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-600Hz Sounding: SRK-TSF-CPT-08
Date: 24-Oct-2021



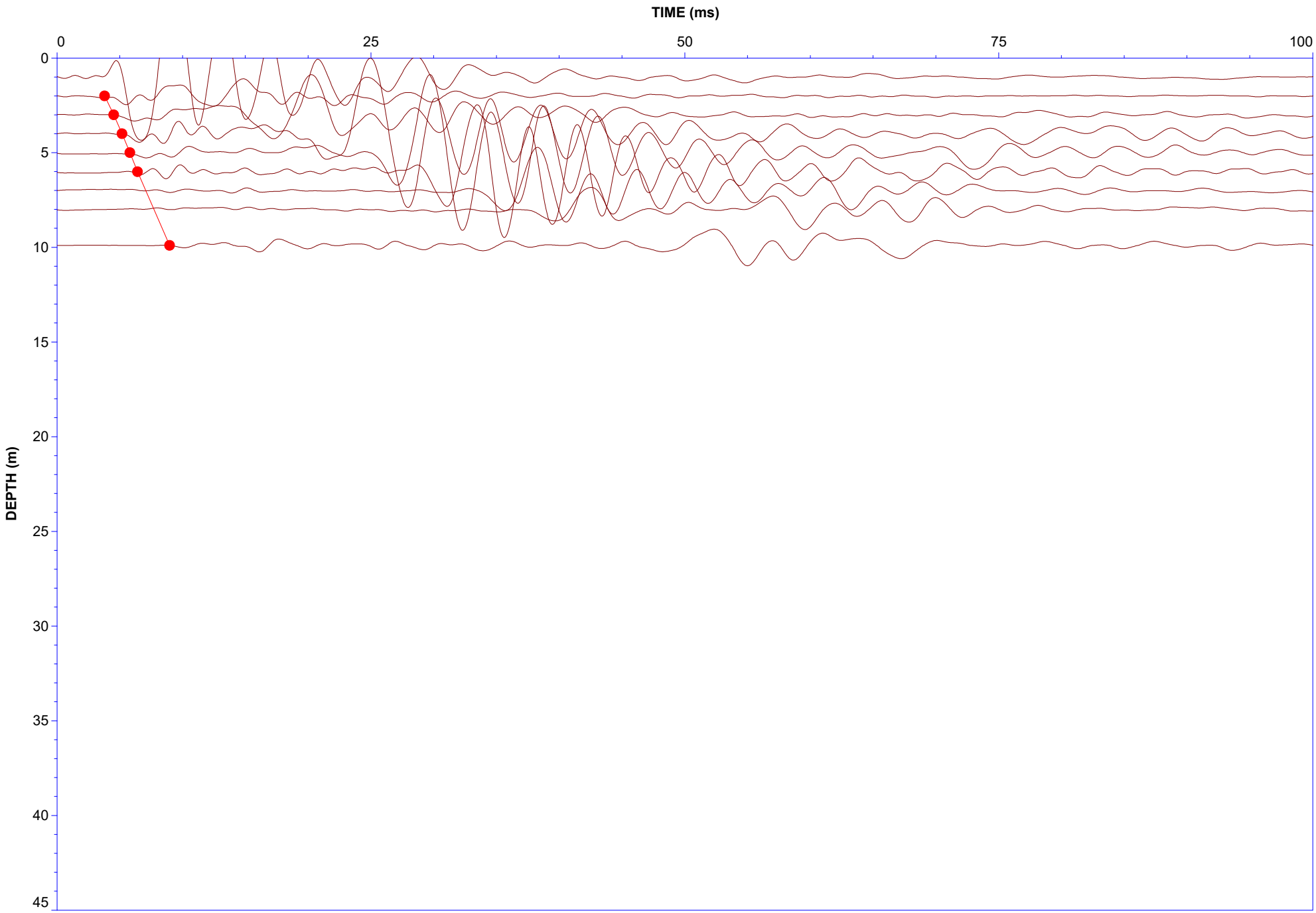
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_0-300Hz Sounding: SRK-TSF-CPT-09
Date: 05-Feb-2022



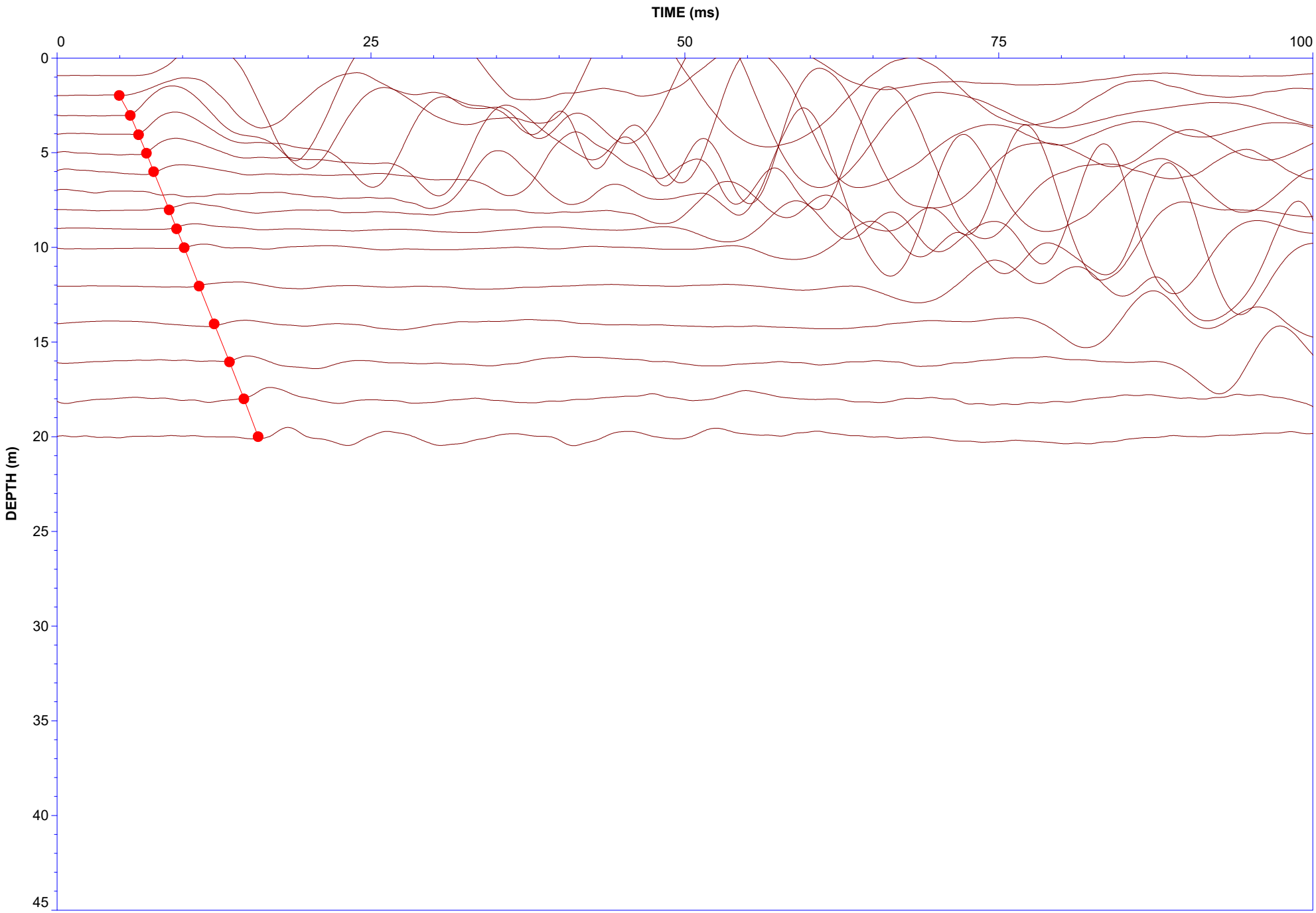
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-10
Date: 22-Jan-2022



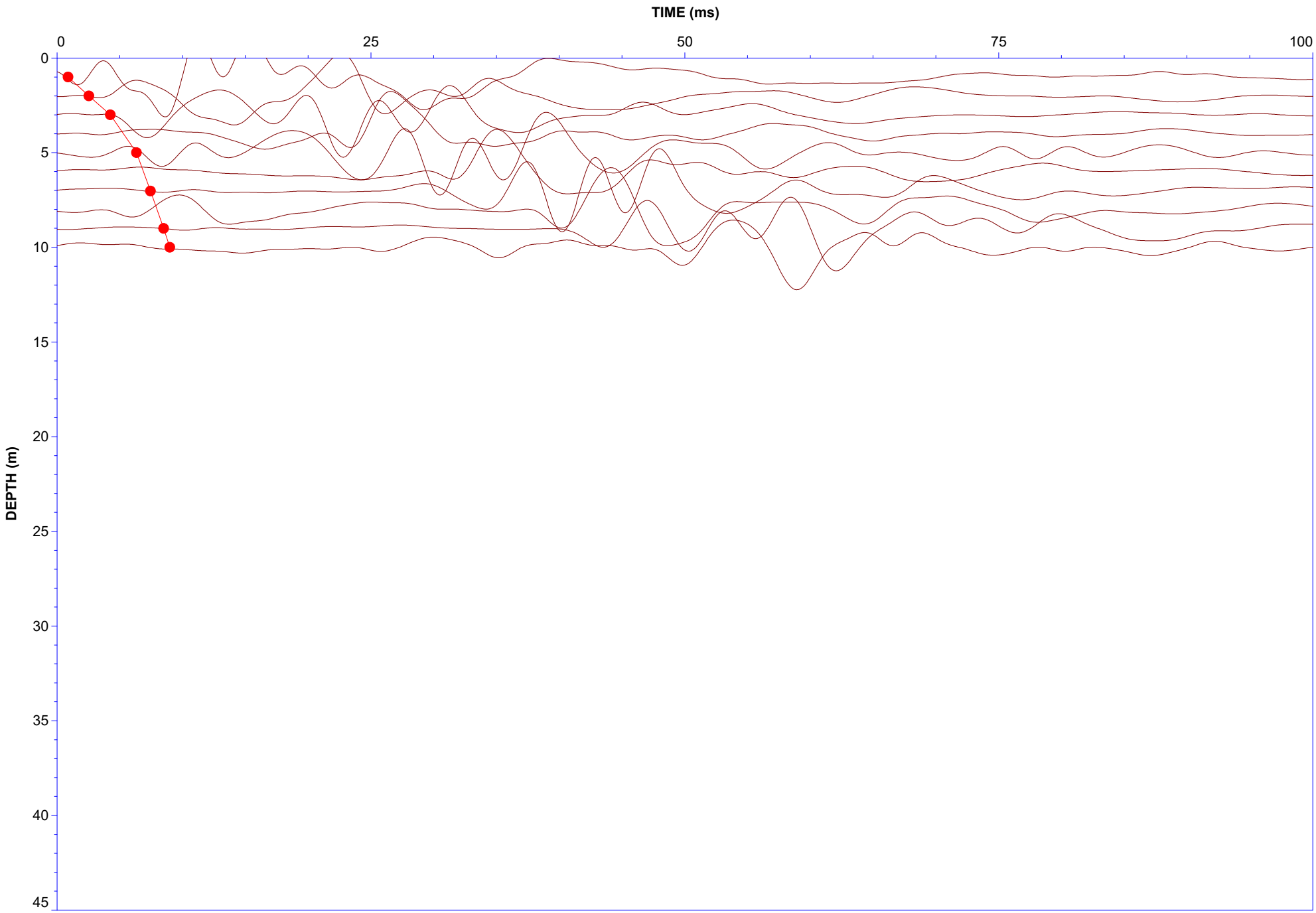
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-600Hz Sounding: SRK-TSF-CPT-13
Date: 24-Jan-2022



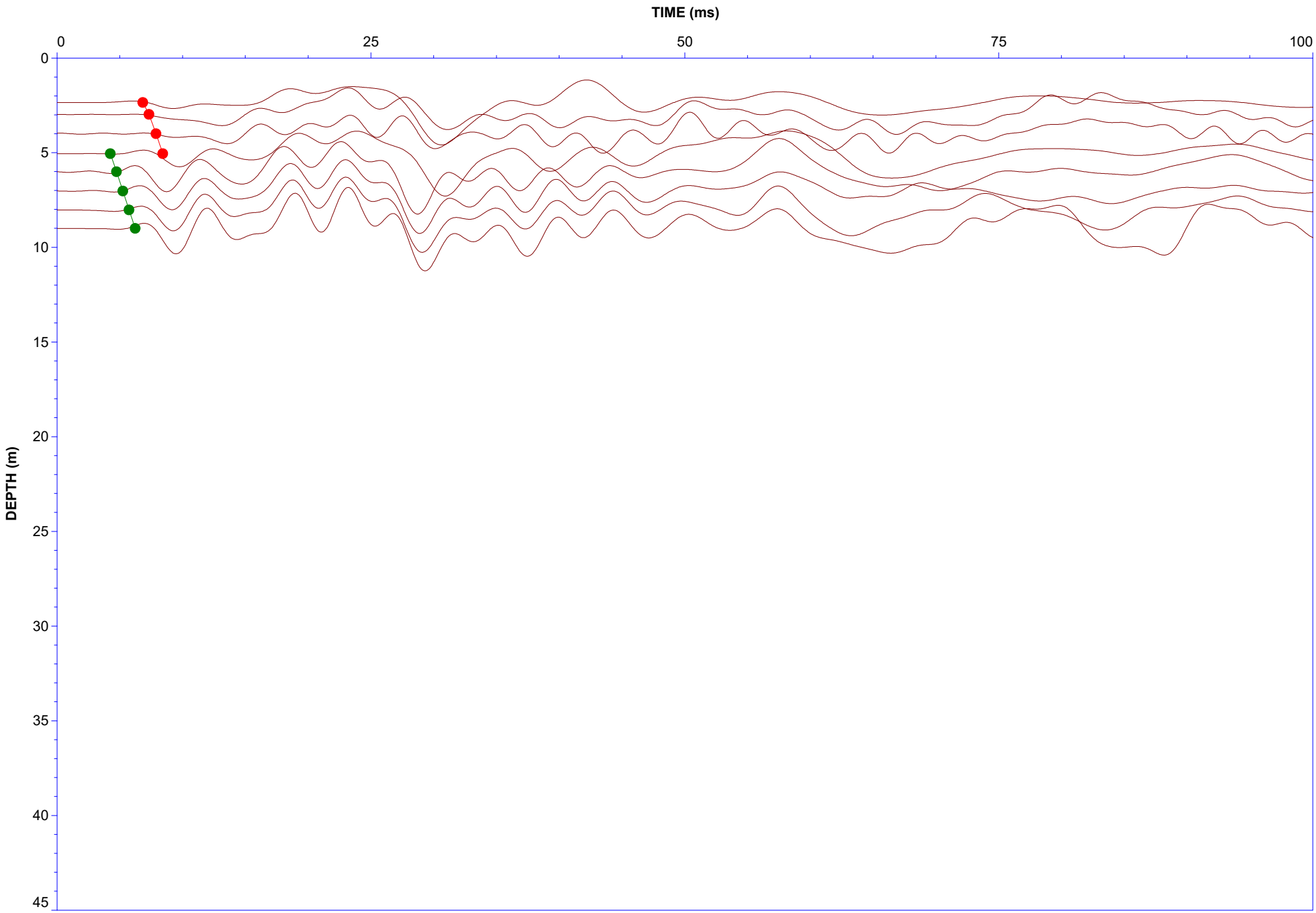
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-600Hz Sounding: SRK-TSF-CPT-14
Date: 21-Oct-2021



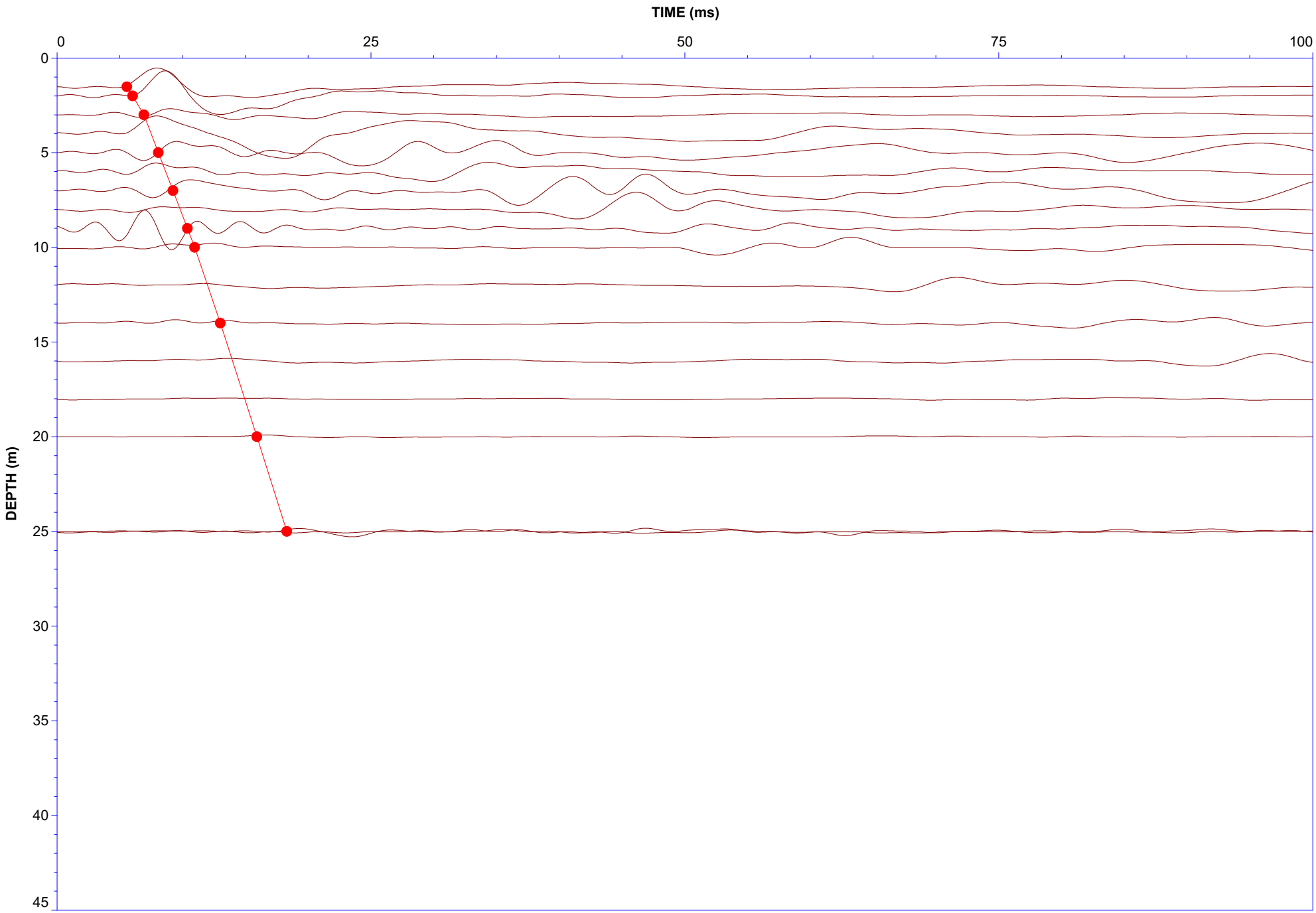
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-TSF-CPT-15
Date: 10-Feb-2022



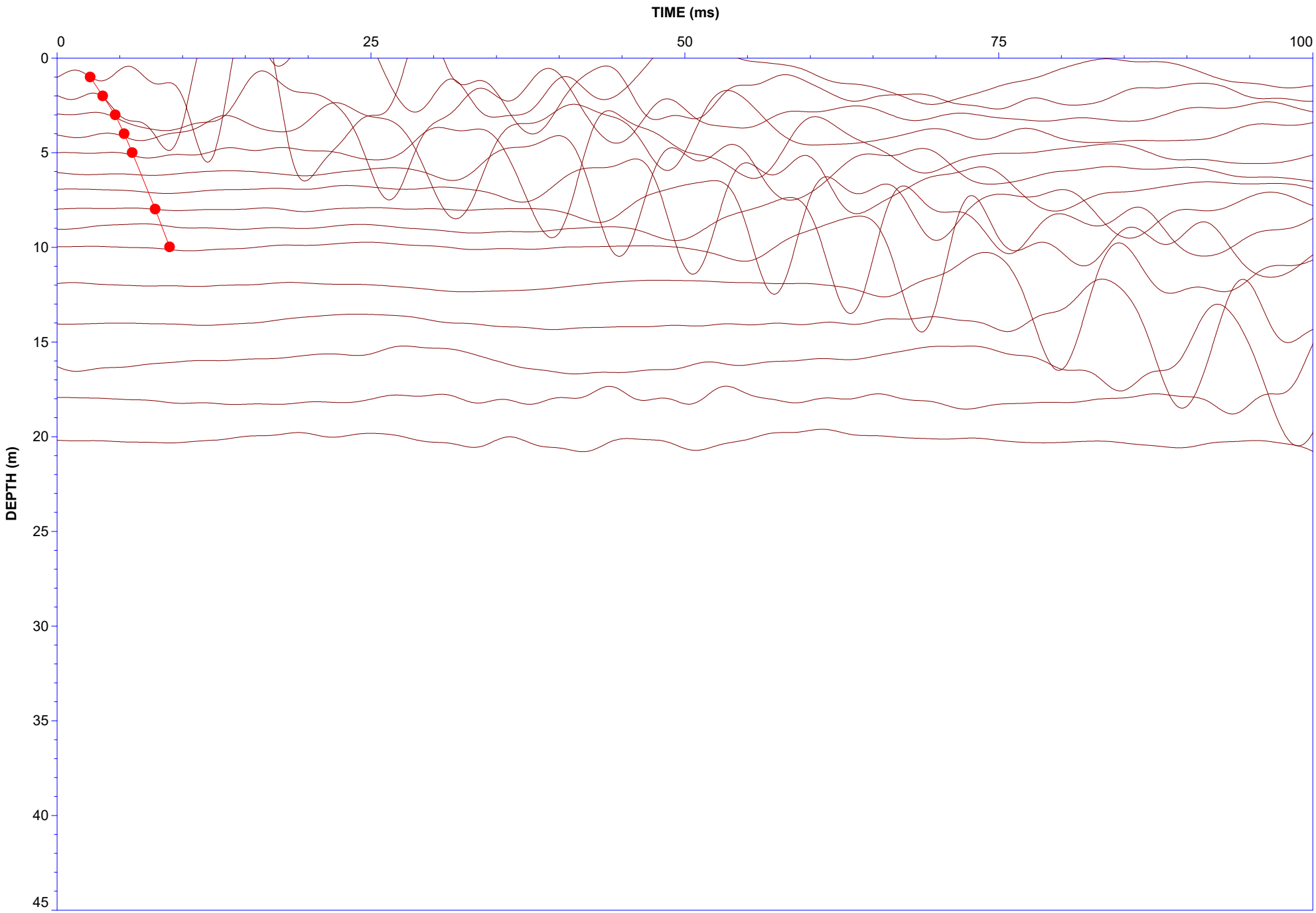
Job No: 21-02-23004 | Client: Canada Nickel Company | Project: Crawford Mine | Filter: 0-300Hz | Sounding: SRK-TSF-CPT-17 | Date: 10-Mar-2022



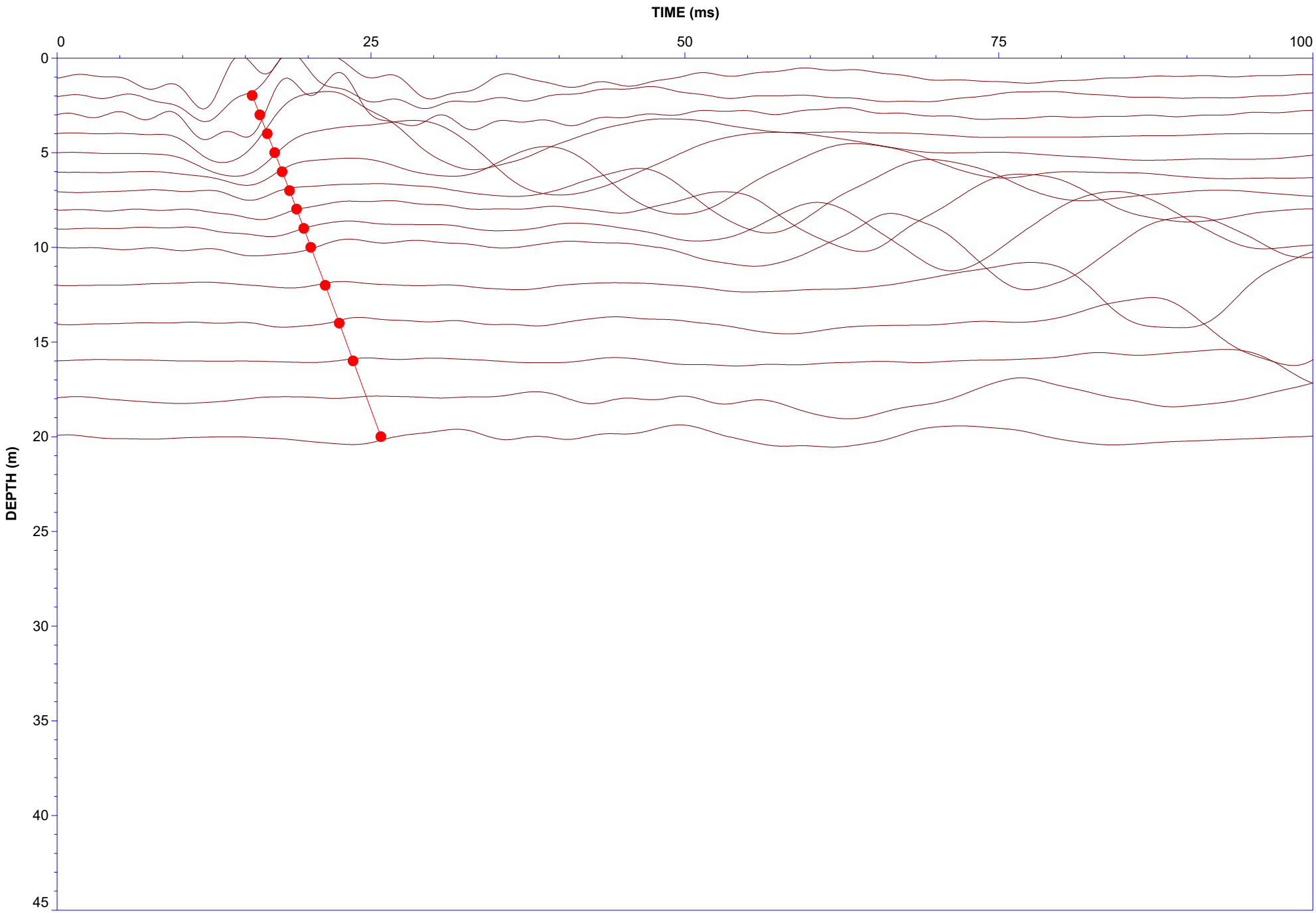
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_0-300Hz Sounding: SRK-TSF-CPT-18
Date: 02-Feb-2022



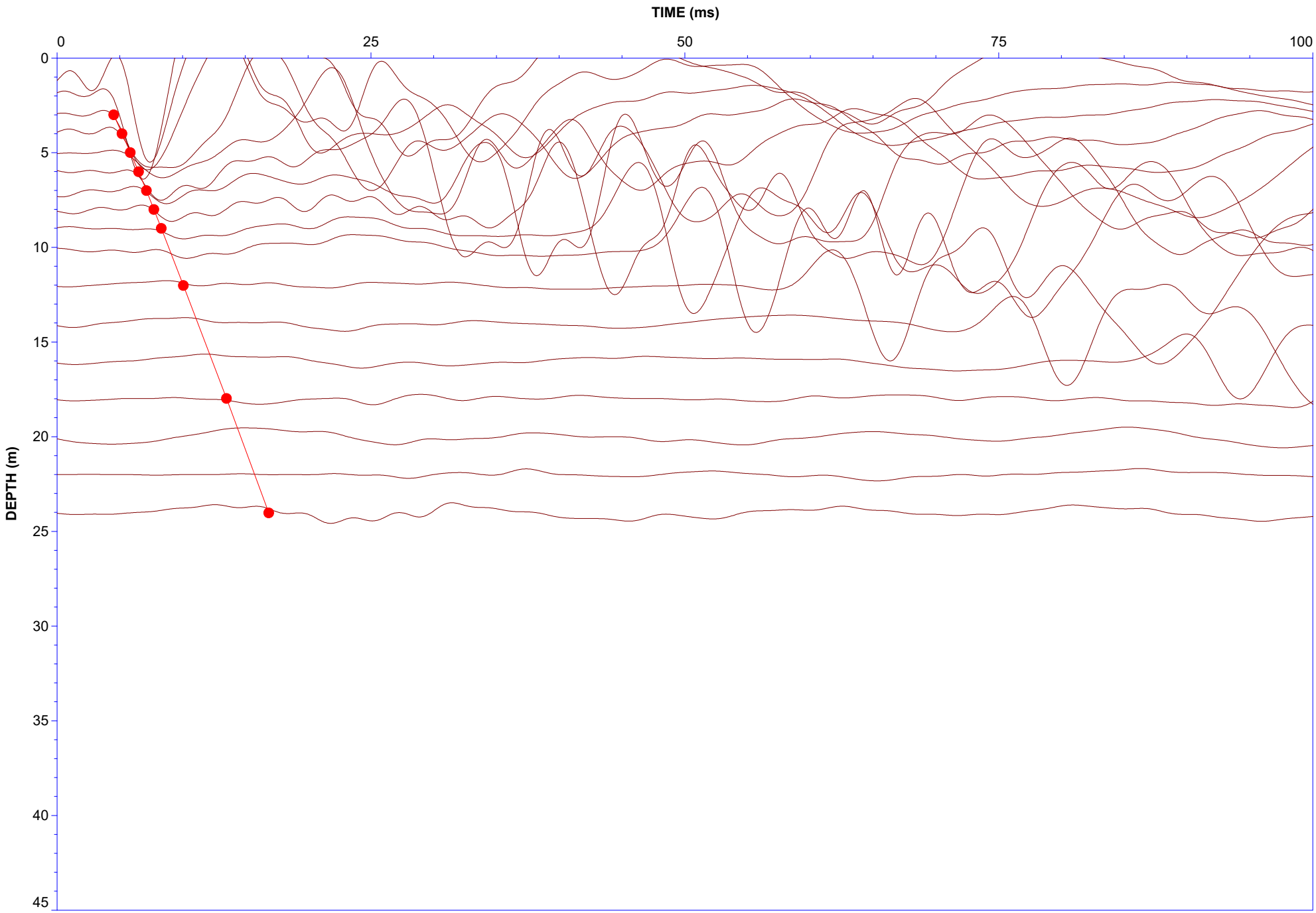
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_0-250Hz Sounding: SRK-TSF-CPT-20
Date: 25-Mar-2022



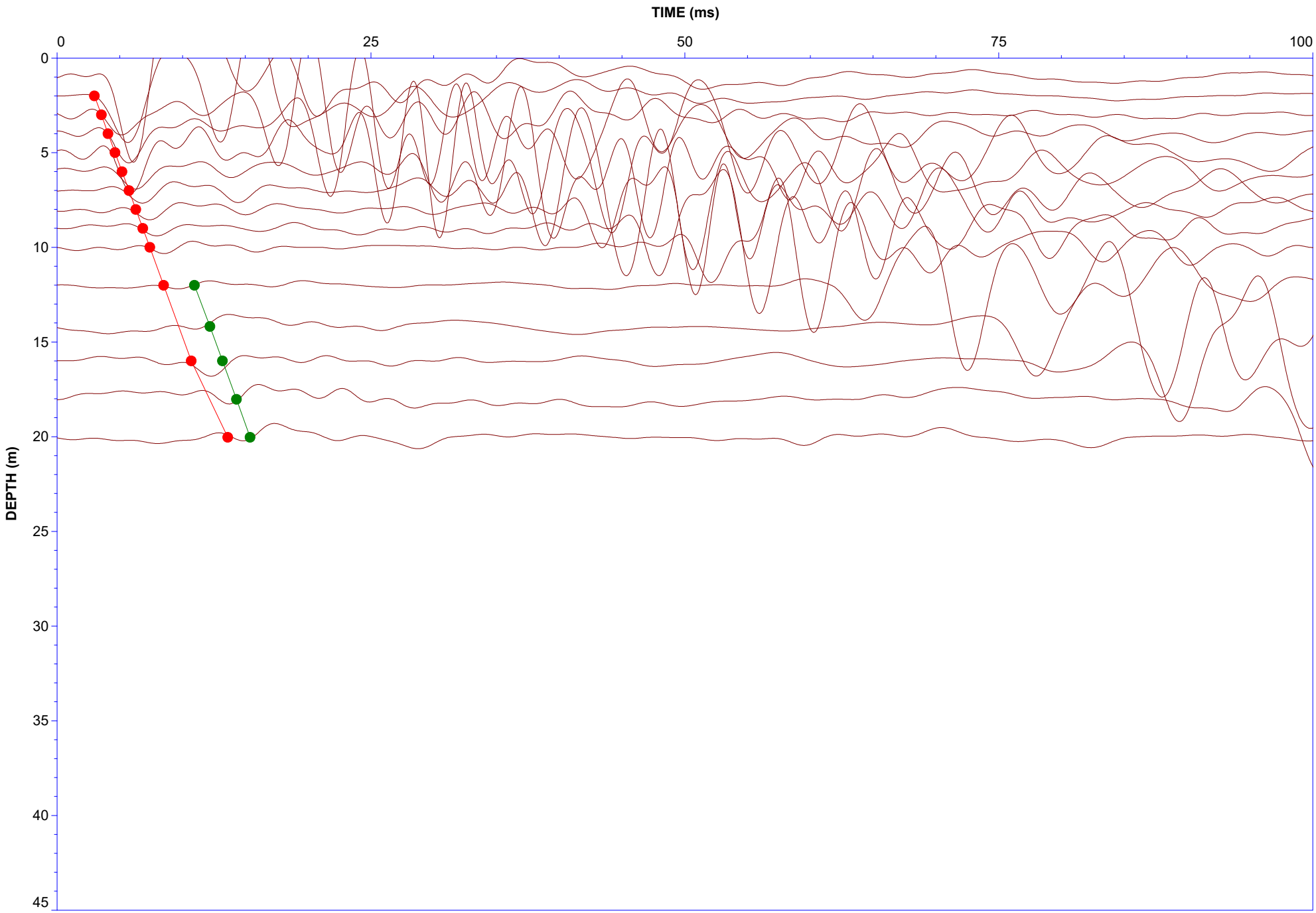
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-250Hz Sounding: SRK-TSF-CPT-21
Date: 23-Mar-2022



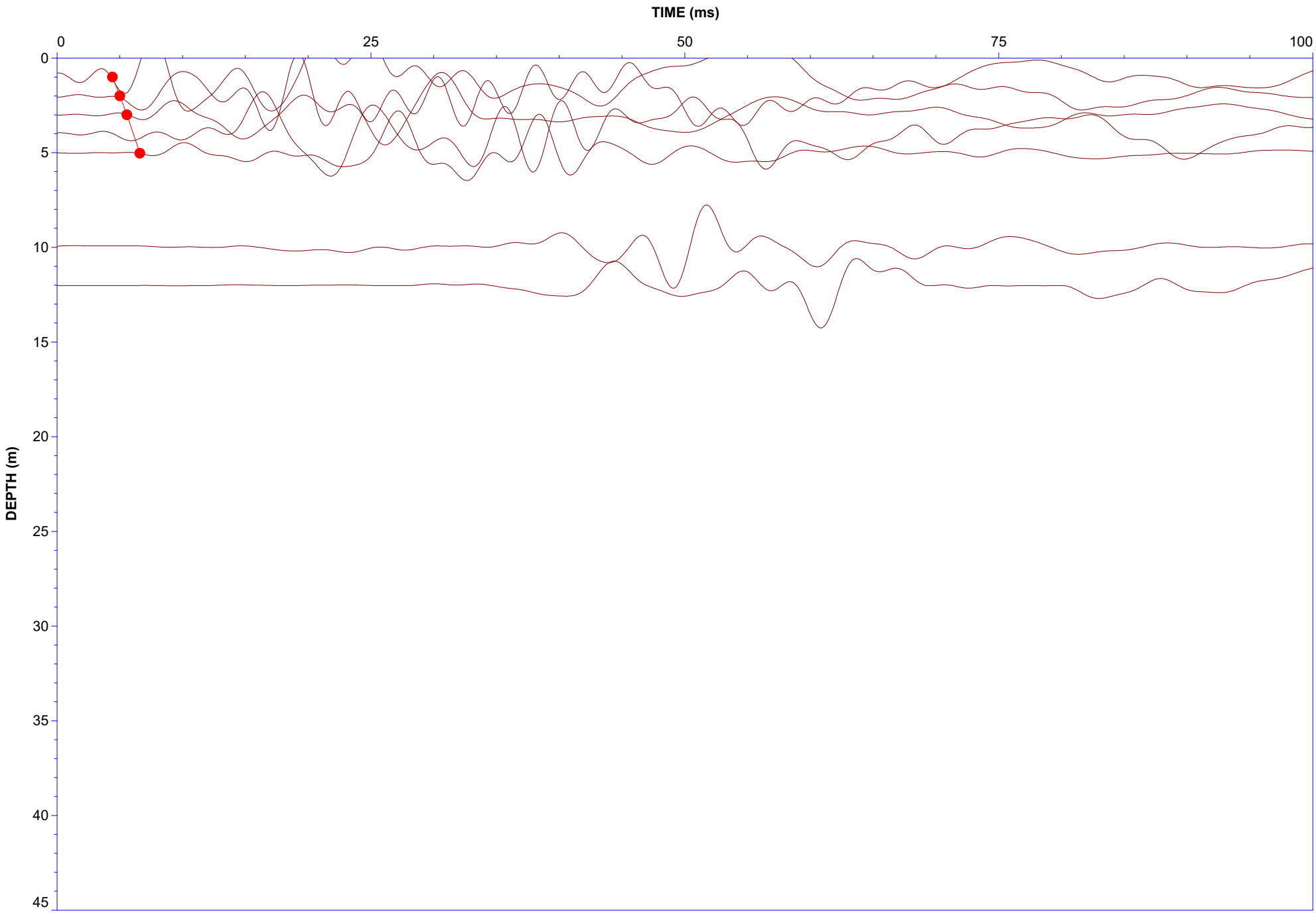
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_0-300Hz Sounding: SRK-TSF-CPT-23
Date: 18-Mar-2022



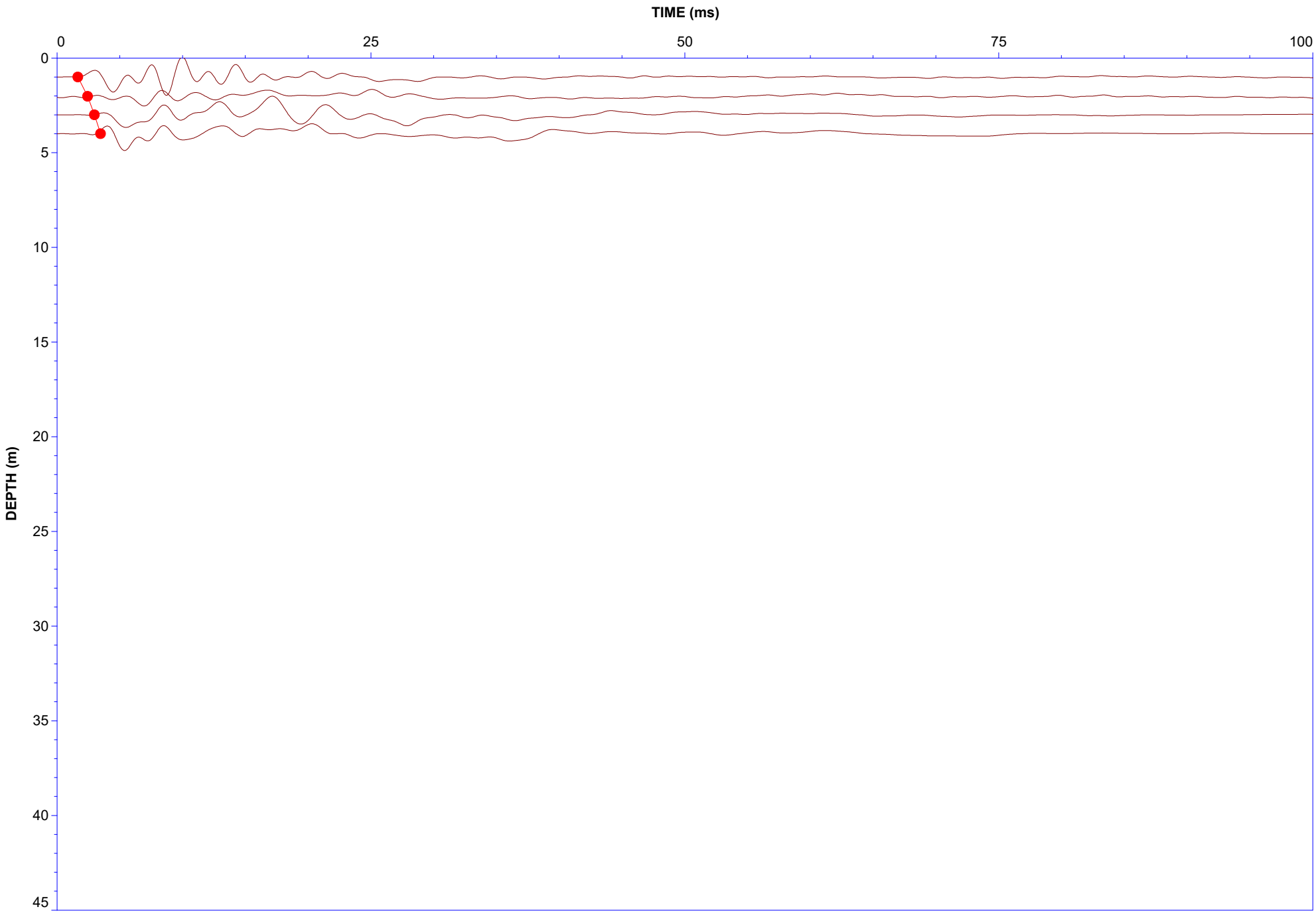
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-WOS-CPT-01
Date: 28-Feb-2022



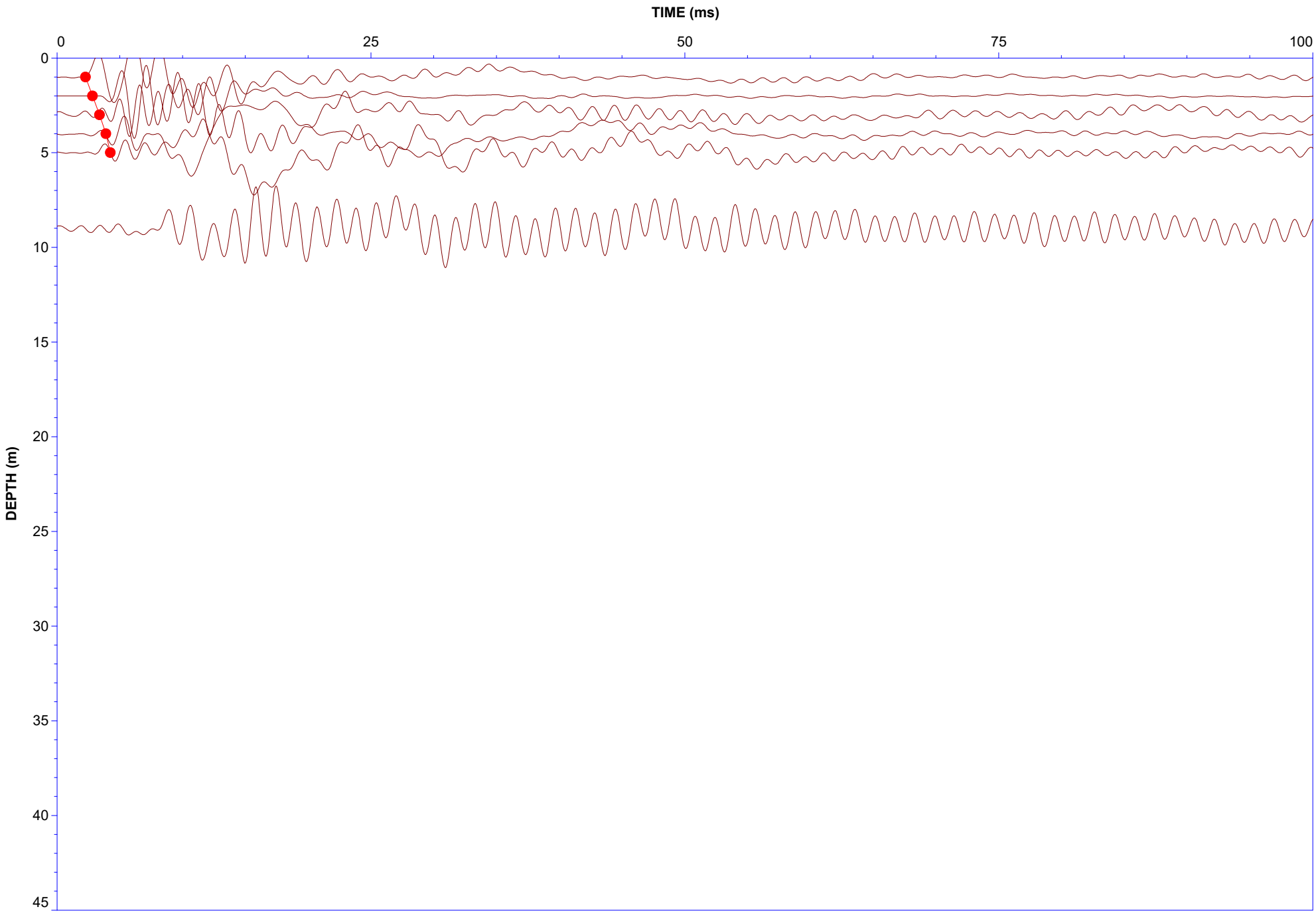
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-WRD-CPT-14
Date: 12-Feb-2022



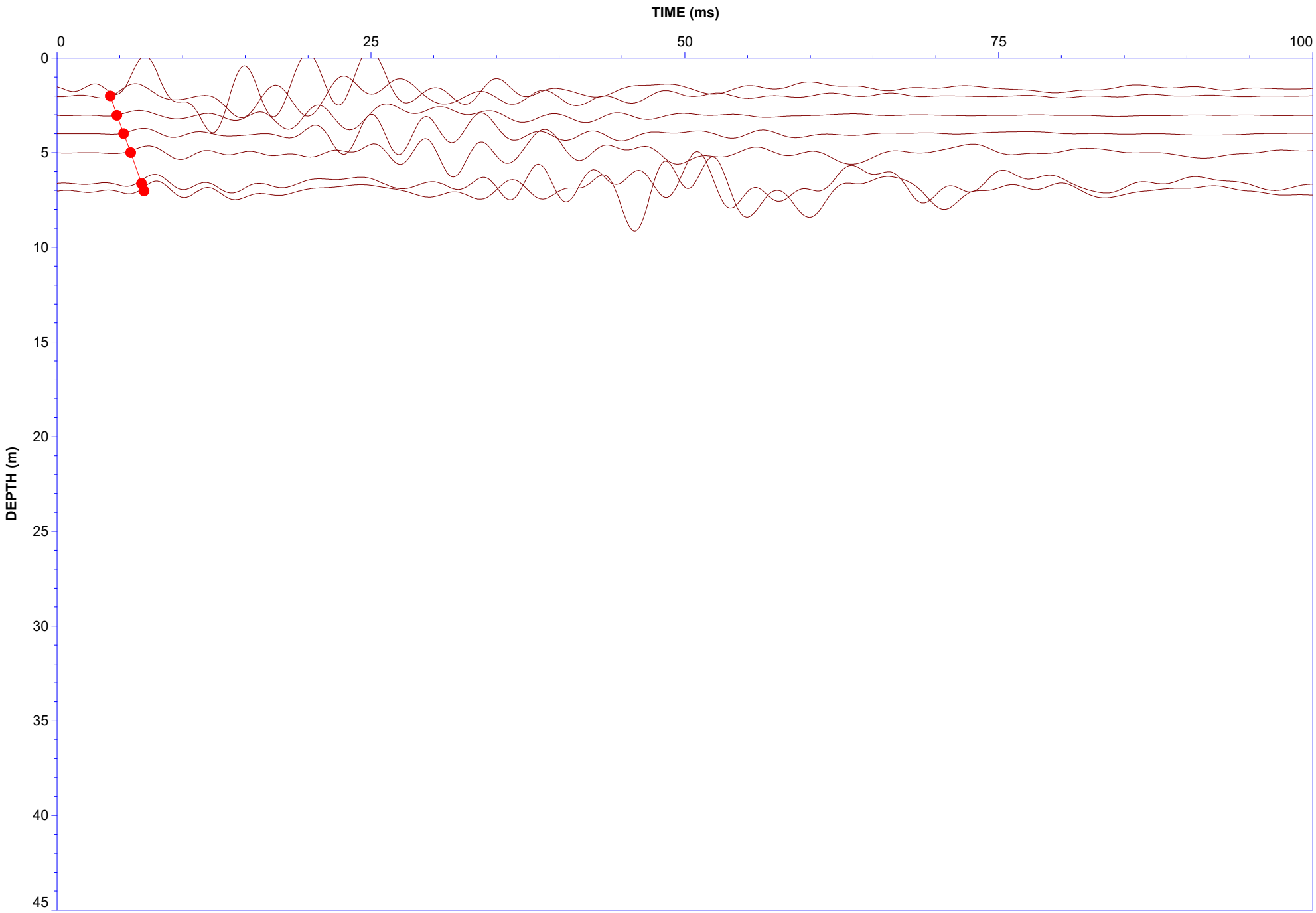
Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-600Hz Sounding: SRK-WRD-CPT-15
Date: 16-Feb-2022



Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: Norm_0-800Hz Sounding: SRK-WRD-CPT-16
Date: 14-Feb-2022



Job No: 21-02-23004 Client: Canada Nickel Company Project: Crawford Mine Filter: 0-300Hz Sounding: SRK-WRD-CPT-17
Date: 09-Dec-2021



Seismic Cone Penetration Test Poisson's Ratio Tabular Results

CONETEC

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-HG-CPT-01
Date:	02-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	131	816	0.49
2.80	3.80	201	1020	0.48
3.80	4.80	197	1165	0.49
4.80	5.80	159	1301	0.49
5.80	6.80	162	1301	0.49
6.80	7.80	165	1319	0.49
7.80	8.80	163	1319	0.49
8.80	9.80	168	1482	0.49
9.80	11.80	175	1651	0.49
11.80	13.80	172	1566	0.49
13.80	15.82	177	1854	0.50
15.82	17.83	187	1933	0.50
17.83	19.80	212	2261	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-HG-CPT-03
Date:	01-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.83	262	1232	0.48
2.83	3.80	182	1800	0.50
3.80	4.80	158	1909	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-01B
Date:	05-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.80	3.80	256	1823	0.49
3.80	4.80	176	2219	0.50
4.80	5.80	170	1905	0.50
5.80	6.80	157	2025	0.50
6.80	7.80	146	2004	0.50
7.80	8.80	147	2004	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-02
Date:	26-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	154	1189	0.49
2.80	3.80	157	1279	0.49
3.80	4.80	166	1466	0.49
4.80	5.80	185	1528	0.49
5.80	6.80	170	1528	0.49
6.80	7.80	168	1528	0.49
7.80	8.80	163	1695	0.50
8.80	9.80	152	1695	0.50
9.80	11.80	146	1731	0.50
11.80	13.82	142	1737	0.50
13.82	15.80	136	1728	0.50
15.80	17.80	151	1769	0.50
17.80	19.80	171	1828	0.50
19.80	24.80	223	1892	0.49
24.80	29.80	285	1892	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-03
Date:	21-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.70	176	1317	0.49
2.70	3.80	205	1480	0.49
3.80	4.80	210	1625	0.49
4.80	5.80	194	1690	0.49
5.80	6.80	189	1743	0.49
6.80	7.78	181	1770	0.50
7.78	8.80	170	1801	0.50
8.80	9.80	158	1756	0.50
9.80	11.80	143	1725	0.50
11.80	13.80	149	1741	0.50
13.80	15.80	180	1777	0.50
15.80	17.80	189	1803	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LG-CPT-06
Date:	06-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
0.80	1.80	180	1587	0.49
1.80	2.80	179	1542	0.49
2.80	3.80	179	1730	0.50
3.80	4.80	170	2394	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-LGS-CPT-01
Date:	21-Nov-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	163	1543	0.49
2.80	3.83	184	1720	0.49
3.83	4.80	182	1841	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-06
Date:	07-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.82	2.80	309	1795	0.49
2.80	3.80	293	1795	0.49
3.80	4.80	257	1753	0.49
4.80	5.80	223	1746	0.49
5.80	6.80	215	1876	0.49
6.80	7.80	216	1876	0.49
7.80	8.80	217	1795	0.49
8.80	9.80	215	1795	0.49
9.80	11.80	216	1816	0.49
11.80	13.80	216	1816	0.49
13.80	15.80	184	1672	0.49
15.80	17.80	167	1672	0.50
17.80	19.80	170	1566	0.49
19.80	24.80	208	1566	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-08
Date:	23-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.80	3.80	201	1205	0.49
3.80	4.80	207	1579	0.49
4.80	5.80	208	1259	0.49
5.80	6.82	204	1395	0.49
6.82	7.78	199	1463	0.49
7.78	8.80	169	1609	0.49
8.80	9.80	134	1869	0.50
9.80	11.80	132	1869	0.50
11.80	13.80	141	1977	0.50
13.80	15.80	196	1977	0.50
15.80	17.80	202	2032	0.50
17.80	19.80	213	2107	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-09
Date:	18-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	225	605	0.42
2.80	3.83	280	996	0.46
3.83	4.80	272	996	0.46
4.80	5.80	260	996	0.46
5.80	6.80	217	1373	0.49
6.80	7.80	199	1373	0.49
7.80	8.80	191	1373	0.49
8.80	9.80	187	1320	0.49
9.80	11.82	179	1320	0.49
11.82	13.80	165	1385	0.49
13.80	15.80	160	1516	0.49
15.80	17.80	157	1517	0.50
17.80	19.88	185	1488	0.49
19.88	24.80	215	1527	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-12
Date:	21-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.78	233	1782	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-OP-CPT-16
Date:	20-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.83	244	657	0.42
2.83	3.80	232	720	0.44
3.80	4.80	208	1280	0.49
4.80	5.82	187	1300	0.49
5.82	7.78	191	1341	0.49
7.78	9.80	191	1326	0.49
9.80	11.80	195	1430	0.49
11.80	13.82	176	1430	0.49
13.82	15.85	162	1428	0.49
15.85	17.80	170	1365	0.49
17.80	19.83	183	1411	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-01
Date:	12-Nov-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.40	3.40	271	438	0.19
3.40	4.45	298	455	0.13
4.45	5.40	288	461	0.18
5.40	6.40	311	503	0.19
6.40	7.40	307	1136	0.46
7.40	8.38	313	1239	0.47
8.38	9.38	315	1254	0.47
9.38	10.40	311	1336	0.47
10.40	12.45	311	1531	0.48
12.45	14.30	309	1564	0.48
14.30	16.42	311	1682	0.48
16.42	18.45	313	1784	0.48
18.45	20.45	316	1759	0.48
20.45	25.43	323	1770	0.48

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-02
Date:	15-Nov-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.80	4.80	181	1242	0.49
4.80	5.80	168	1342	0.49
5.80	6.80	164	1367	0.49
6.80	8.18	167	1337	0.49
8.18	8.80	169	1345	0.49
8.80	9.80	208	1400	0.49
9.80	11.80	259	1407	0.48
11.80	13.80	298	1465	0.48

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-03
Date:	04-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.00	2.80	178	1061	0.49
2.80	3.80	178	1205	0.49
3.80	4.80	158	1619	0.50
4.80	5.80	132	1699	0.50
5.80	7.18	129	1777	0.50
7.18	7.80	127	1848	0.50
7.80	8.82	131	1863	0.50
8.82	9.80	143	1937	0.50
9.80	11.80	151	1917	0.50
11.80	13.80	154	1917	0.50
13.80	15.80	155	1949	0.50
15.80	17.80	165	1990	0.50
17.80	19.80	185	1952	0.50
19.80	24.80	244	1947	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-PF-CPT-04
Date:	13-Dec-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.23	2.80	150	1183	0.49
2.80	3.80	142	1225	0.49
3.80	4.80	144	1365	0.49
4.80	5.80	143	1443	0.50
5.80	6.80	139	1466	0.50
6.80	7.80	137	1502	0.50
7.80	8.80	136	1516	0.50
8.80	9.80	130	1516	0.50
9.80	11.80	131	1563	0.50
11.80	13.80	134	1581	0.50
13.80	15.80	132	1666	0.50
15.80	17.80	134	1641	0.50
17.80	19.80	149	1590	0.50
19.80	24.80	159	1560	0.50
24.80	29.80	206	1818	0.49
29.80	34.80	294	1825	0.49
34.80	39.80	304	1806	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-SOS-CPT-02
Date:	12-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	174	1141	0.49
2.80	3.80	172	1644	0.49
3.80	4.80	170	1712	0.50
4.80	5.80	173	1712	0.50
5.80	6.80	173	1824	0.50
6.80	7.80	176	1830	0.50
7.80	8.80	176	1890	0.50
8.80	9.80	178	1890	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-03
Date:	26-Jan-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
5.78	6.80	195	1331	0.49
6.80	7.80	195	1655	0.49
7.80	8.82	188	1655	0.49
8.82	9.80	206	1493	0.49
9.80	11.80	232	1302	0.48

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-04
Date:	30-Jan-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	183	1325	0.49
2.80	3.80	170	1325	0.49
3.80	4.80	160	1317	0.49
4.80	5.80	158	1317	0.49
5.80	6.80	161	1317	0.49
6.80	7.80	172	1868	0.50
7.80	8.80	178	1953	0.50
8.80	9.80	182	2248	0.50
10.80	11.80	230	1929	0.49
11.80	12.80	235	2095	0.49
12.80	13.80	233	2158	0.49
13.80	14.80	235	2261	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-08
Date:	24-Oct-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.82	2.80	243	1546	0.49
2.80	4.80	261	1546	0.49
4.80	5.80	227	1421	0.49
5.80	6.80	171	1448	0.49
6.80	7.80	168	1433	0.49
7.80	8.80	170	1400	0.49
8.80	9.80	172	1562	0.49
9.80	10.80	183	1562	0.49
10.80	11.80	195	1562	0.49
11.80	13.80	228	1562	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-09
Date:	05-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.85	2.83	277	1327	0.48
2.83	3.80	256	1327	0.48
3.80	4.80	248	1336	0.48
4.80	5.80	245	1469	0.49
5.80	6.82	267	1492	0.48
6.82	7.80	283	1492	0.48
7.80	8.80	276	1492	0.48

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-10
Date:	22-Jan-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.23	2.80	236	718	0.44
2.80	3.80	212	1233	0.49
3.80	4.80	200	1307	0.49
4.80	5.45	194	1303	0.49
5.45	6.80	195	1603	0.49
6.80	7.80	217	1656	0.49
7.80	8.80	217	1764	0.49
8.80	9.80	215	1636	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-13
Date:	24-Jan-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	229	1215	0.48
2.80	3.80	178	1428	0.49
3.80	4.80	182	1513	0.49
4.80	5.80	197	1593	0.49
5.80	6.80	235	1508	0.49
6.80	7.80	257	1508	0.49
7.80	9.70	267	1508	0.48

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-14
Date:	21-Oct-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.78	2.83	182	1098	0.49
2.83	3.85	198	1483	0.49
3.85	4.83	177	1566	0.49
4.83	5.80	170	1616	0.49
5.80	6.82	171	1636	0.49
6.82	7.82	174	1636	0.49
7.82	8.82	178	1656	0.49
8.82	9.82	180	1653	0.49
9.82	11.85	187	1696	0.49
11.85	13.85	195	1659	0.49
13.85	15.85	197	1661	0.49
15.85	17.80	199	1690	0.49
17.80	19.80	221	1748	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-15
Date:	10-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
0.80	1.80	175	420	0.40
1.80	2.80	254	507	0.33
2.80	3.80	230	905	0.47
3.80	4.80	221	905	0.47
4.80	5.80	226	1779	0.49
5.80	6.82	221	1779	0.49
6.82	7.82	229	1856	0.49
7.82	8.80	199	1856	0.49
8.80	9.80	188	1997	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-17
Date:	10-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.15	2.78	154	1131	0.49
2.78	3.80	152	1719	0.50
3.80	4.85	169	1824	0.50
4.85	5.80	172	1842	0.50
5.80	6.82	178	1994	0.50
6.82	7.82	173	1986	0.50
7.82	8.80	186	1973	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-18
Date:	02-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	180	955	0.48
2.80	3.80	153	1635	0.50
3.80	4.80	158	1635	0.50
4.80	5.80	158	1691	0.50
5.80	6.80	160	1691	0.50
6.80	7.80	170	1710	0.50
7.80	8.80	178	1710	0.50
8.80	9.80	177	1717	0.50
9.80	11.80	174	1944	0.50
11.80	13.80	171	1944	0.50
13.80	15.80	165	2056	0.50
15.80	17.80	177	2056	0.50
17.80	19.80	191	2056	0.50
19.80	24.80	236	2098	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-20
Date:	25-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
0.80	1.80	77	625	0.49
1.80	2.80	148	823	0.48
2.80	3.80	164	1245	0.49
3.80	4.80	134	1482	0.50
4.80	5.78	134	1577	0.50
5.78	6.73	133	1577	0.50
6.73	7.78	155	1577	0.50
7.78	8.80	161	1700	0.50
8.80	9.78	170	1700	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-21
Date:	23-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.78	2.80	141	1358	0.50
2.80	3.80	174	1520	0.49
3.80	4.80	150	1610	0.50
4.80	5.80	129	1620	0.50
5.80	6.80	133	1640	0.50
6.80	7.78	135	1706	0.50
7.78	8.80	136	1725	0.50
8.80	9.80	140	1756	0.50
9.80	11.80	158	1717	0.50
11.80	13.80	239	1784	0.49
13.80	15.80	254	1804	0.49
15.80	17.83	264	1799	0.49
17.83	19.80	269	1799	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-TSF-CPT-23
Date:	18-Mar-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
2.80	3.80	252	1359	0.48
3.80	4.80	215	1417	0.49
4.80	5.80	182	1448	0.49
5.80	6.80	171	1560	0.49
6.80	7.80	174	1653	0.49
7.80	8.80	175	1662	0.49
8.80	9.80	177	1692	0.49
9.80	11.82	174	1692	0.50
11.82	13.80	166	1724	0.50
13.80	15.80	162	1724	0.50
15.80	17.78	160	1724	0.50
17.78	19.82	164	1795	0.50
19.82	21.80	213	1795	0.49
21.80	23.82	286	1795	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WOS-CPT-01
Date:	28-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.80	192	1573	0.49
2.80	3.80	204	1718	0.49
3.80	4.80	197	1736	0.49
4.80	5.80	197	1730	0.49
5.80	6.80	202	1777	0.49
6.80	7.80	194	1787	0.49
7.80	8.80	187	1793	0.50
8.80	9.80	180	1798	0.50
9.80	11.80	175	1802	0.50
11.80	13.98	165	1760	0.50
13.98	15.80	152	1810	0.50
15.80	17.83	161	1803	0.50
17.83	19.83	179	1862	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-14
Date:	12-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
0.80	1.80	105	1155	0.50
1.80	2.80	225	1559	0.49
2.80	3.80	270	1856	0.49
3.80	4.83	275	1856	0.49

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-15
Date:	16-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
0.80	1.82	149	915	0.49
1.82	2.80	185	1558	0.49
2.80	3.80	197	1913	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-16
Date:	14-Feb-2022

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
0.80	1.80	118	1246	0.50
1.80	2.80	118	1570	0.50
2.80	3.80	130	1824	0.50
3.80	4.80	139	2673	0.50

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Sounding ID:	SRK-WRD-CPT-17
Date:	09-Dec-2021

SCPTu POISSON'S RATIO RESULTS

Depth From (m)	Depth To (m)	Vs Interval Velocity (m/s)	Vp Interval Velocity (m/s)	Poisson's Ratio
1.80	2.83	168	1532	0.49
2.83	3.80	192	1574	0.49
3.80	4.80	192	1669	0.49
4.80	6.43	189	1775	0.49
6.43	6.82	209	1841	0.49

Soil Behaviour Type (SBT) Scatter Plots

CONETEC

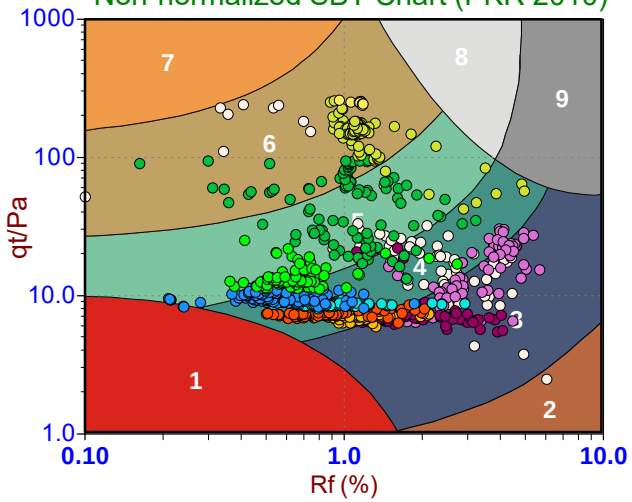
CONETEC

Canada Nickel Company

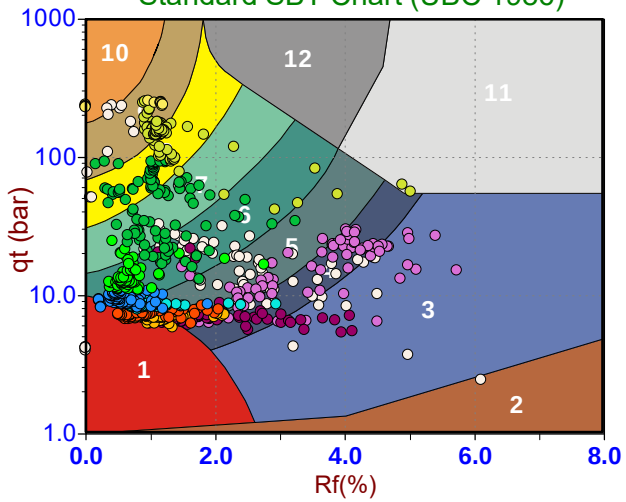
Job No: 21-02-23004
Date: 2022-03-02 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35

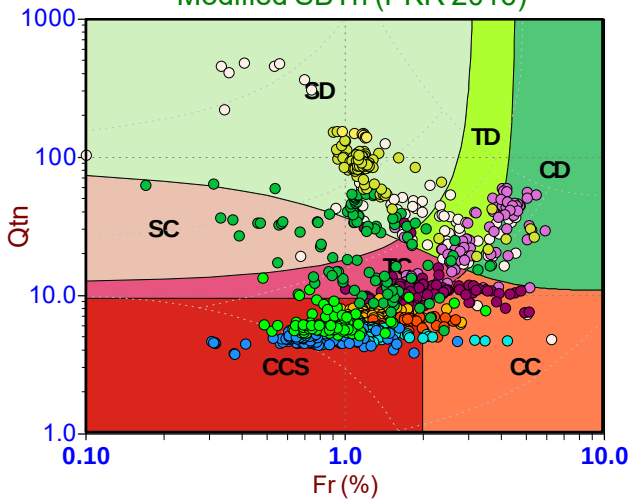
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

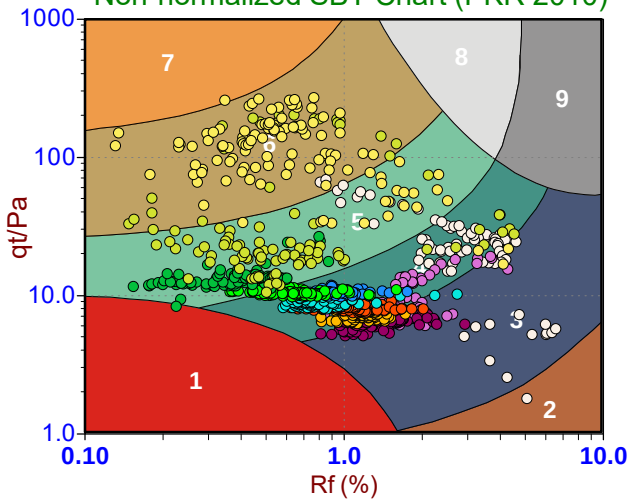
CONETEC

Canada Nickel Company

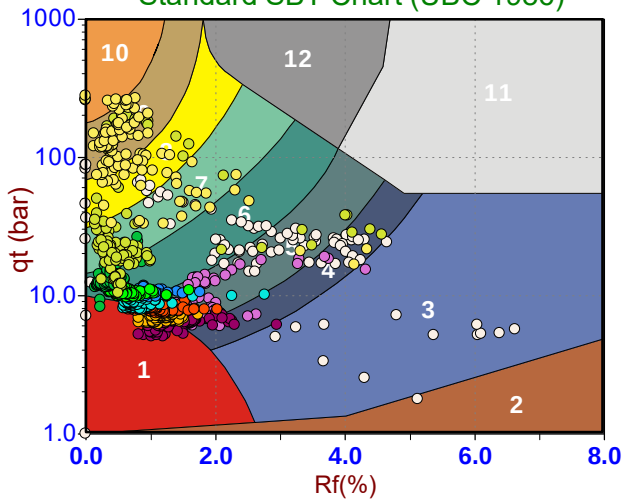
Job No: 21-02-23004
Date: 2022-03-01 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35

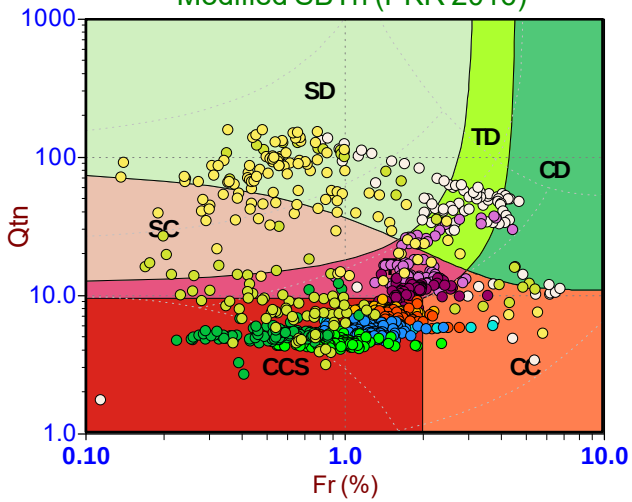
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

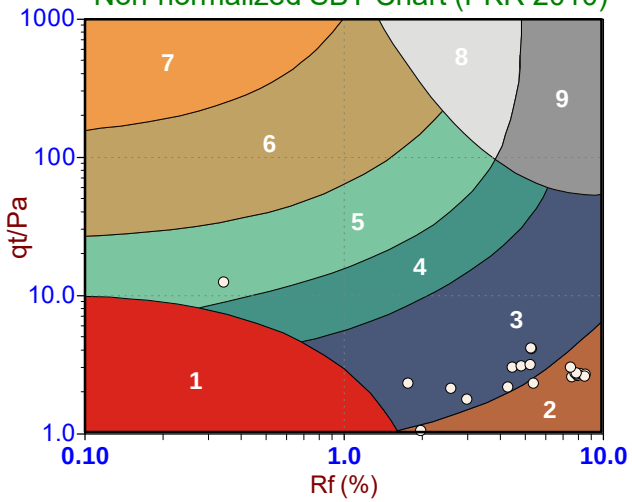
CONETEC

Canada Nickel Company

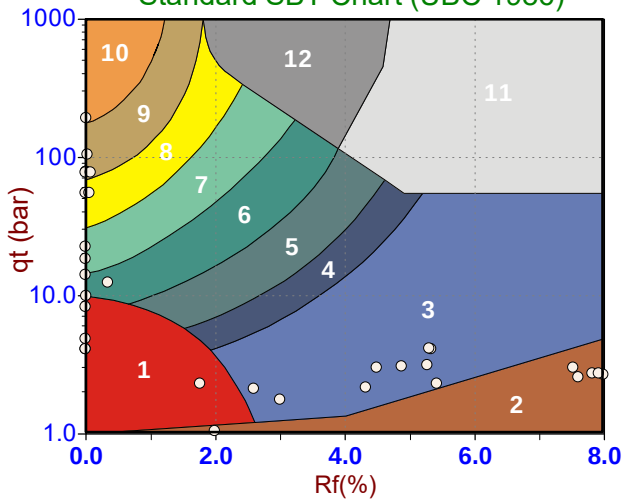
Job No: 21-02-23004
Date: 2022-03-05 07:56
Site: Crawford Mine

Sounding: SRK-LG-CPT-01
Cone: 728:T1500F15U35

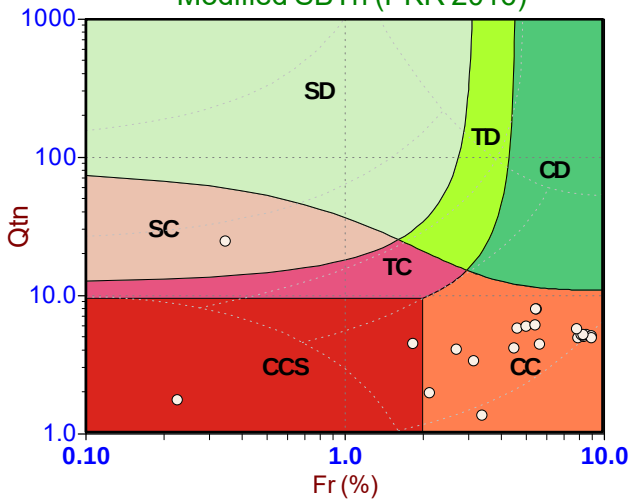
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

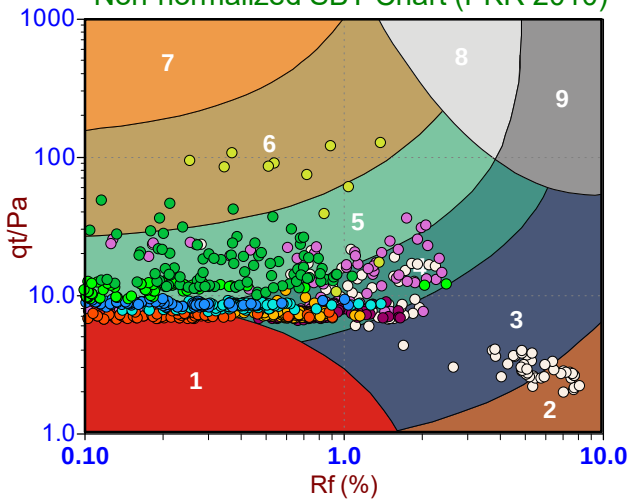
CONETEC

Canada Nickel Company

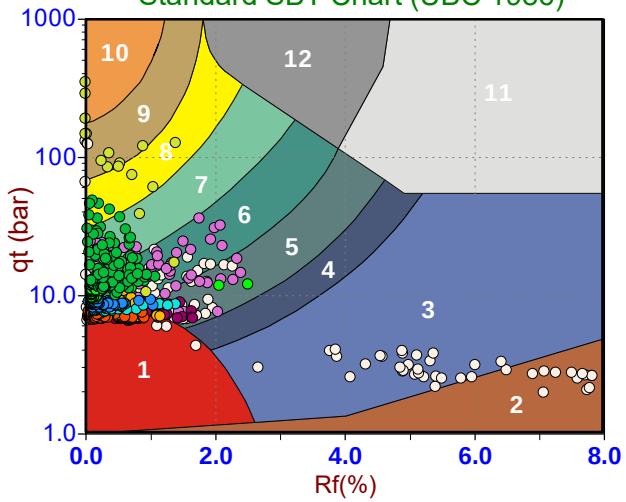
Job No: 21-02-23004
Date: 2022-03-05 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35

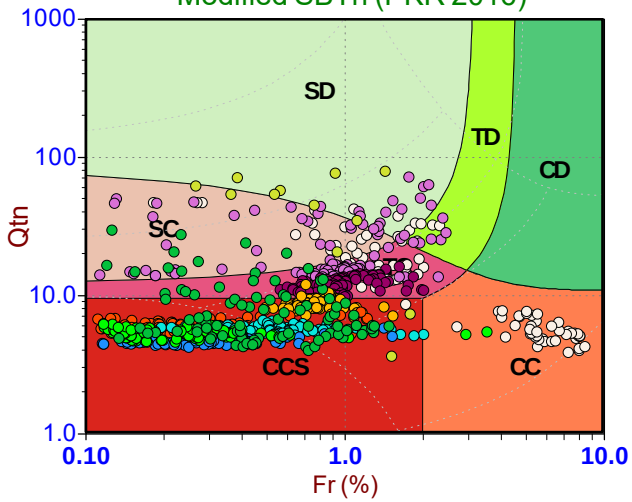
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

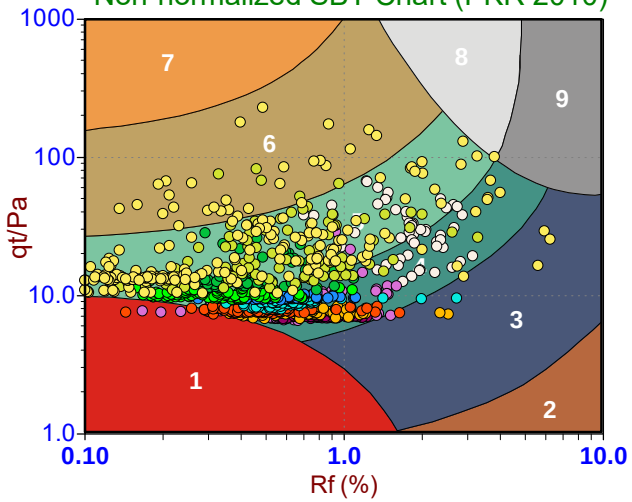
CONETEC

Canada Nickel Company

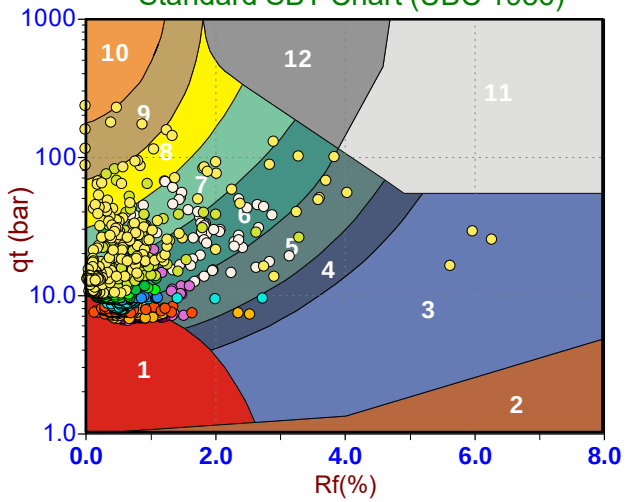
Job No: 21-02-23004
Date: 2022-02-26 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35

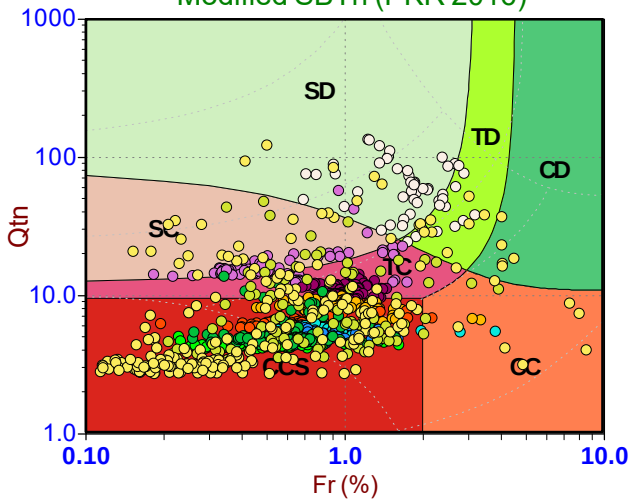
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

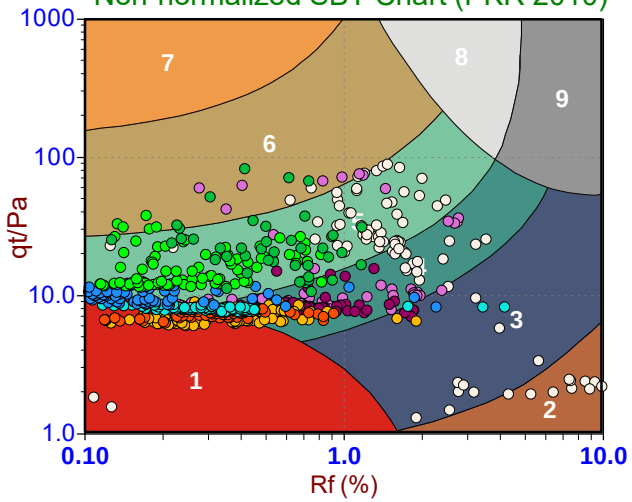
CONETEC

Canada Nickel Company

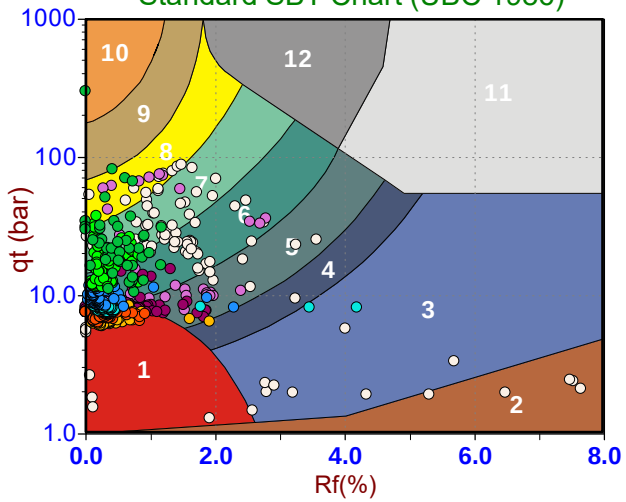
Job No: 21-02-23004
Date: 2022-03-21 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35

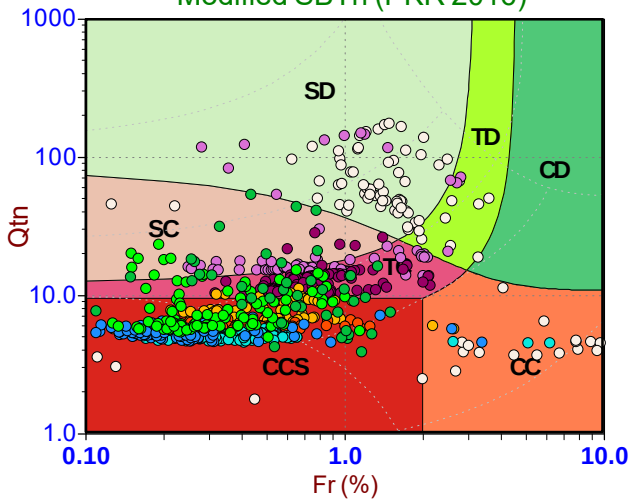
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

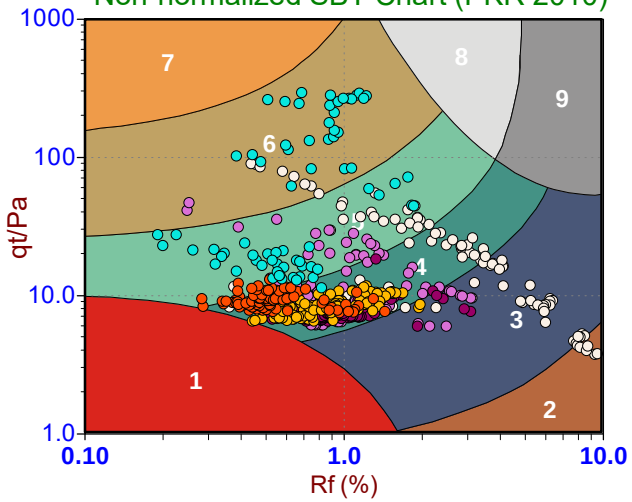
CONETEC

Canada Nickel Company

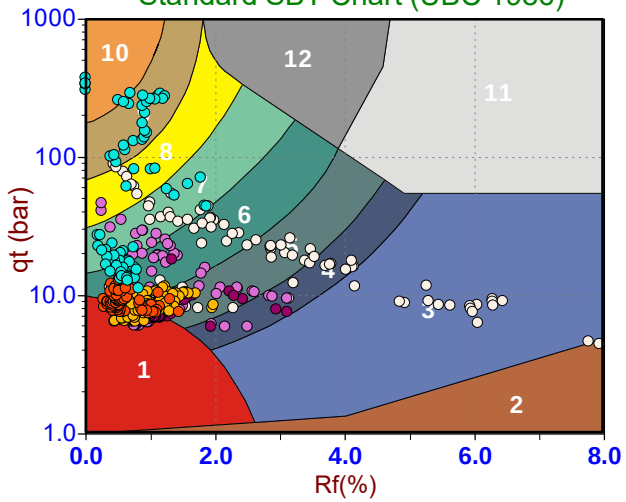
Job No: 21-02-23004
Date: 2021-11-25 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35

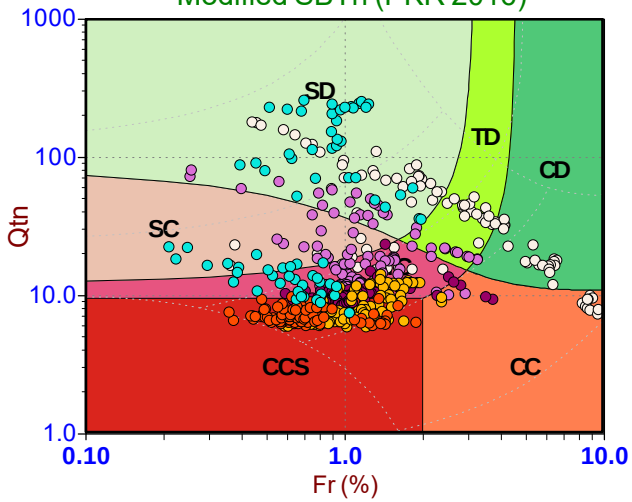
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

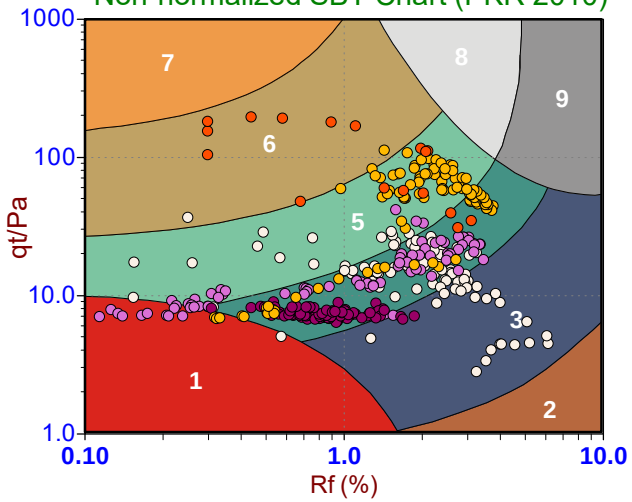
CONETEC

Canada Nickel Company

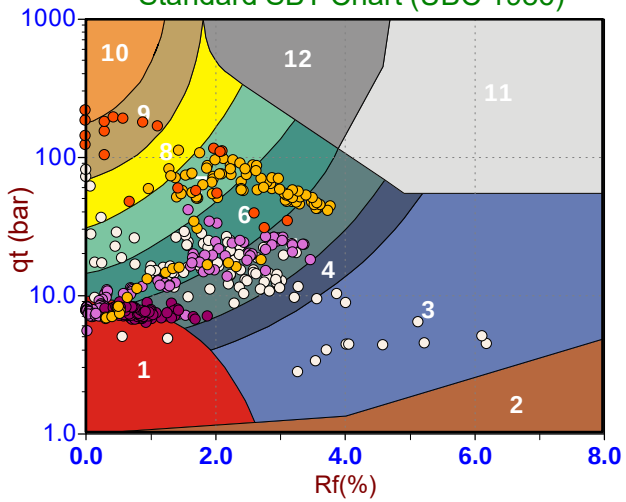
Job No: 21-02-23004
Date: 2022-03-06 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35

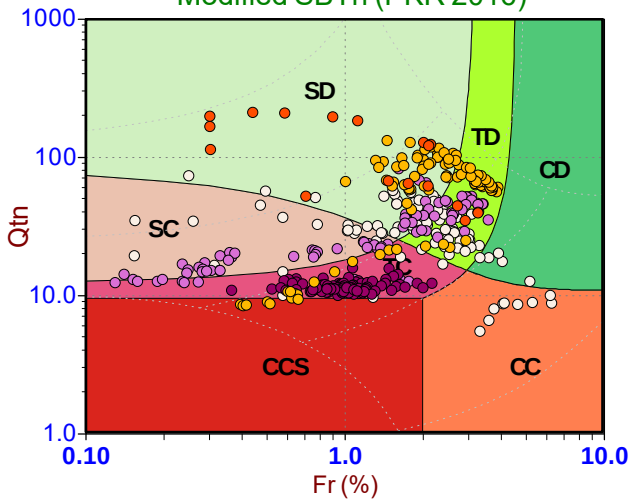
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

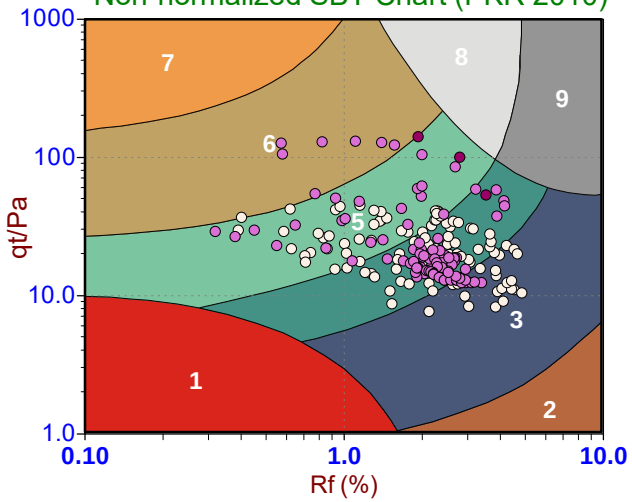
CONETEC

Canada Nickel Company

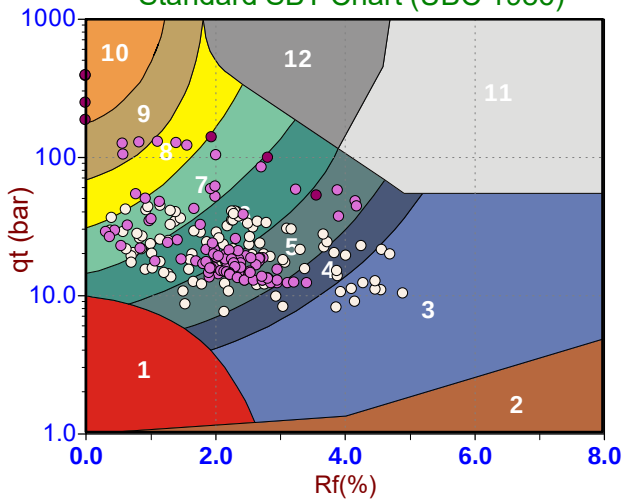
Job No: 21-02-23004
Date: 2021-11-21 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35

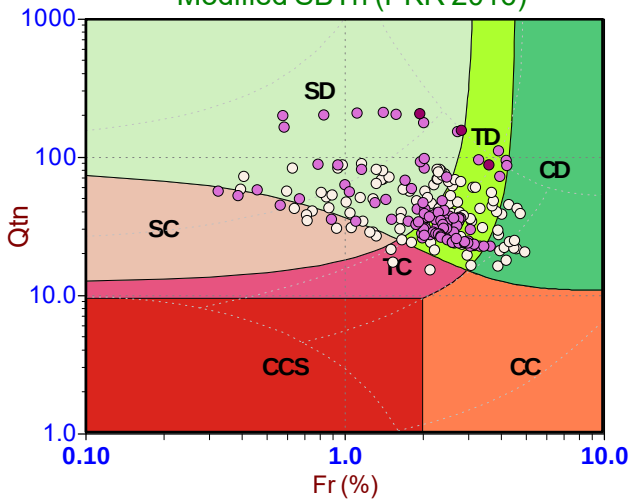
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

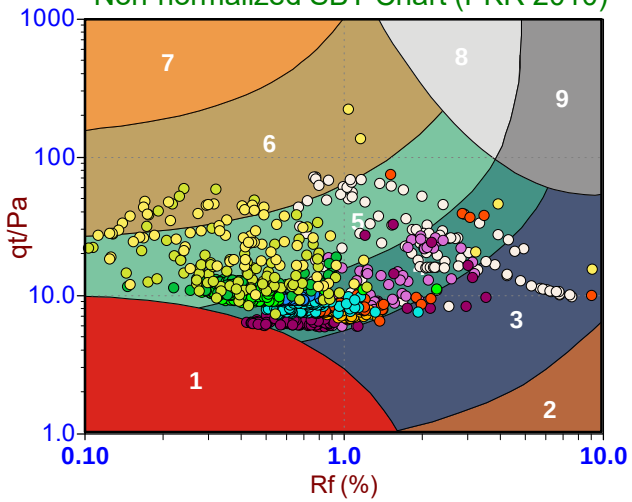
CONETEC

Canada Nickel Company

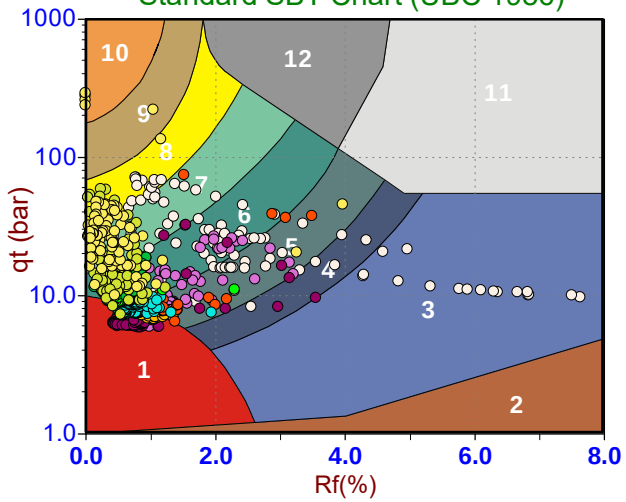
Job No: 21-02-23004
Date: 2021-11-21 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35

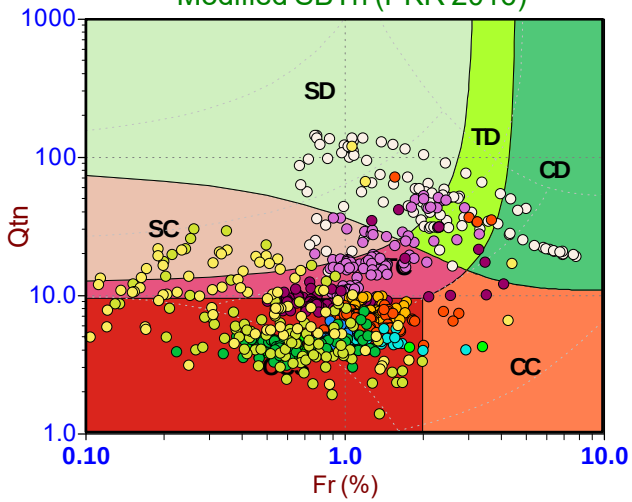
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

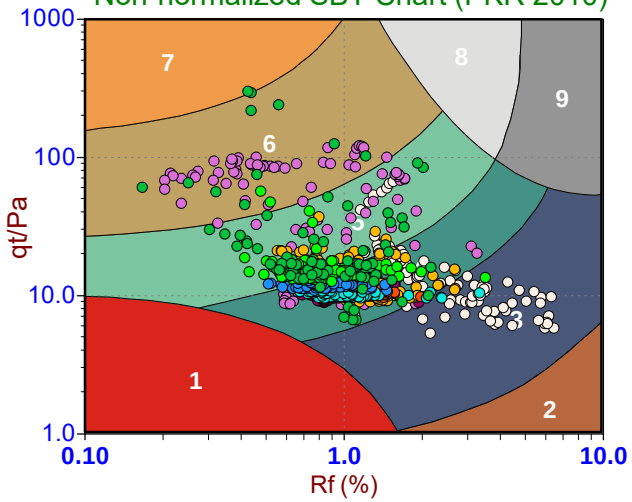
CONETEC

Canada Nickel Company

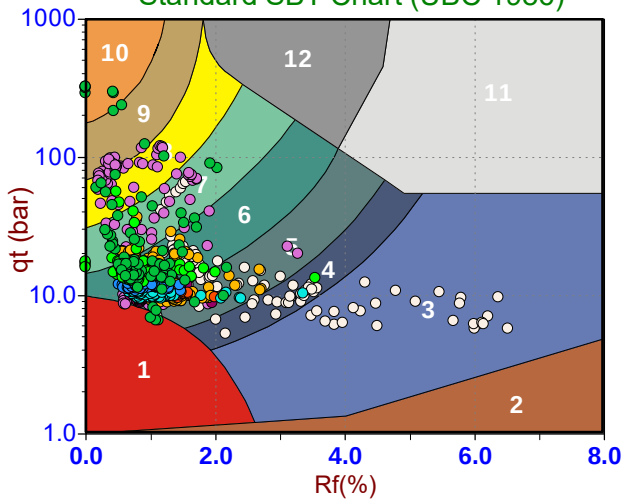
Job No: 21-02-23004
Date: 2021-11-12 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35

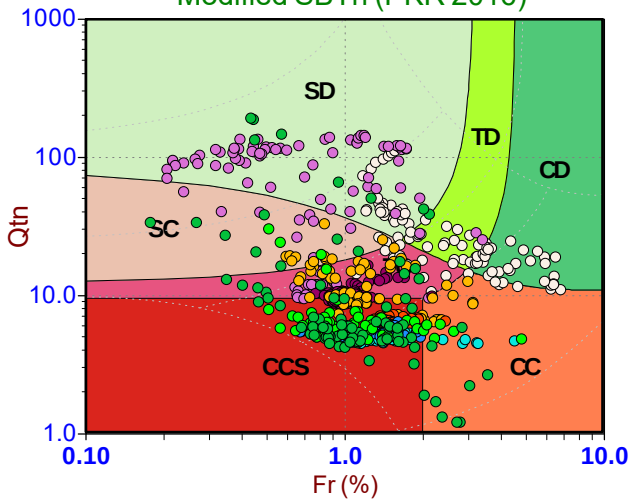
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

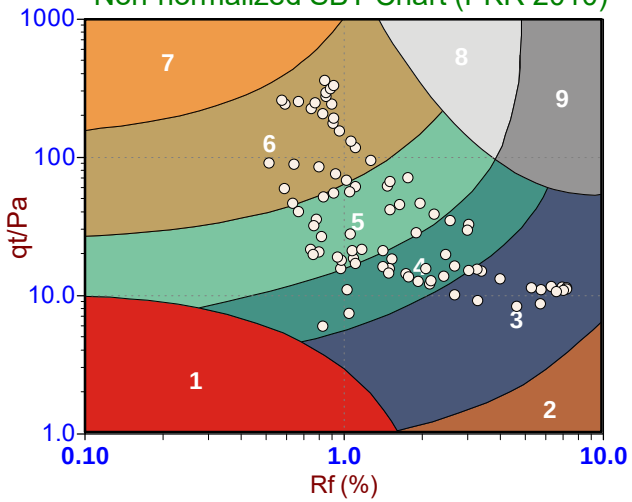
CONETEC

Canada Nickel Company

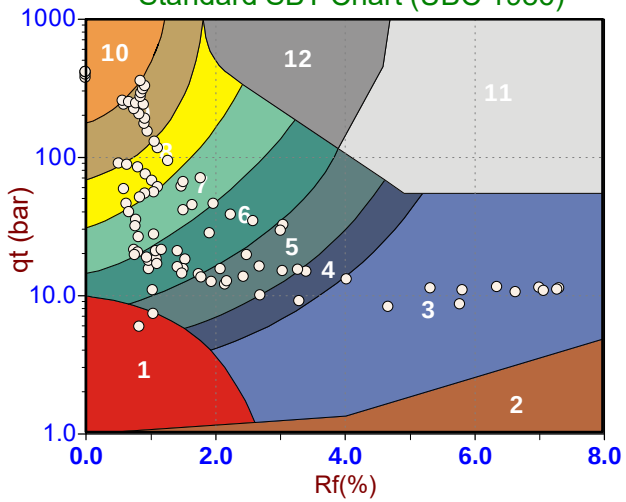
Job No: 21-02-23004
Date: 2021-11-16 11:09
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07
Cone: 726:T1500F15U35

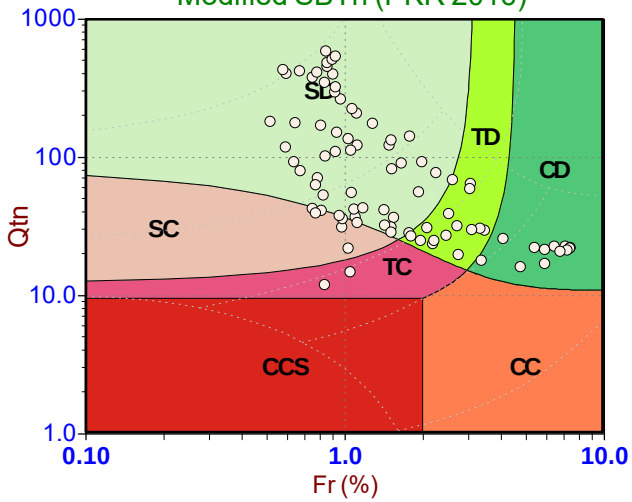
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

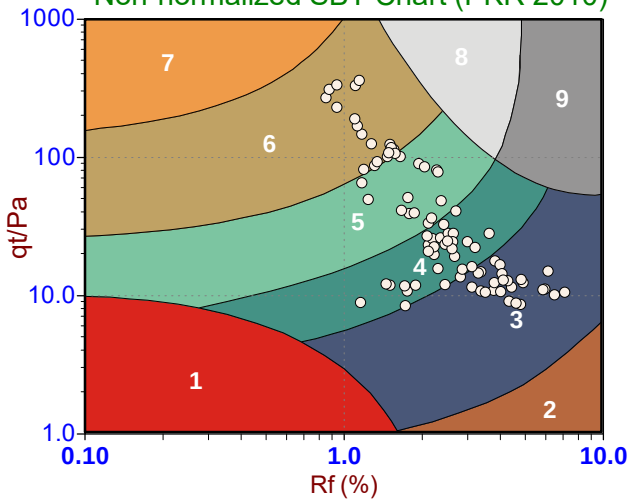
CONETEC

Canada Nickel Company

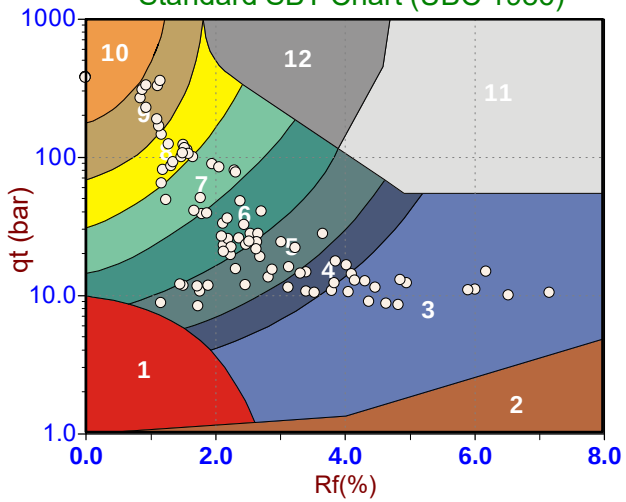
Job No: 21-02-23004
Date: 2021-11-16 11:49
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07B
Cone: 726:T1500F15U35

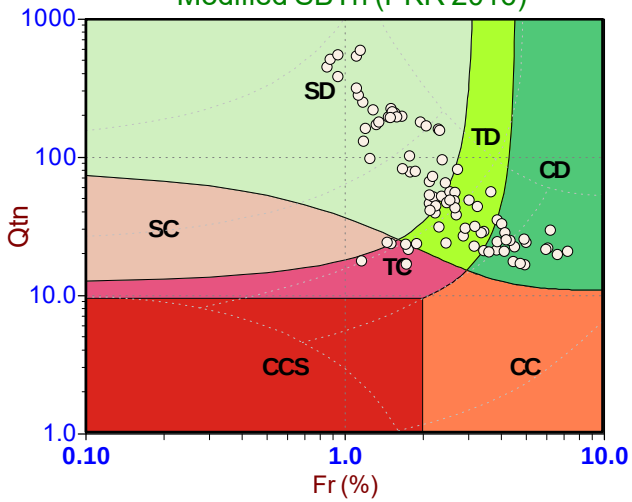
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

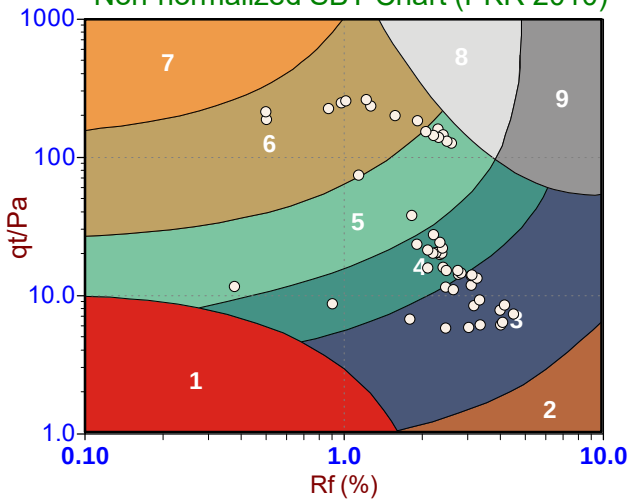
CONETEC

Canada Nickel Company

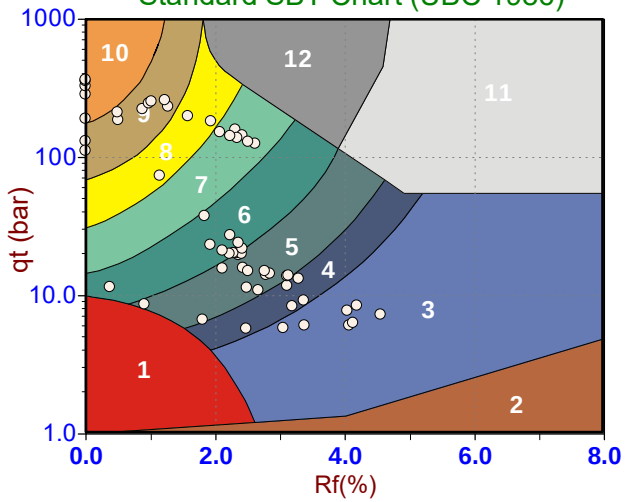
Job No: 21-02-23004
Date: 2021-12-06 10:06
Site: Crawford Mine

Sounding: SRK-OP-CPT-01
Cone: 751:T1500F15U35

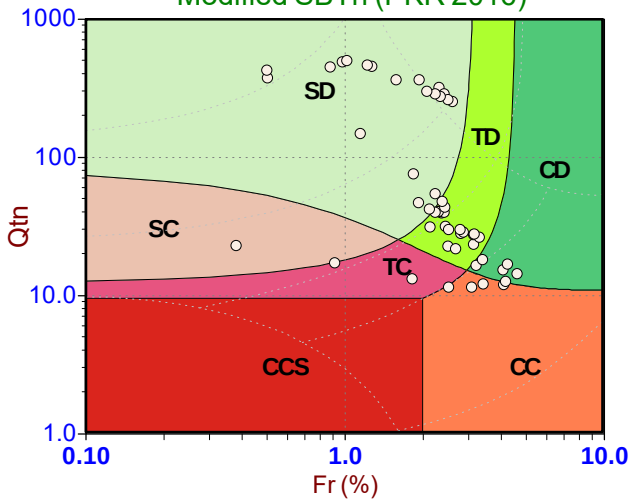
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

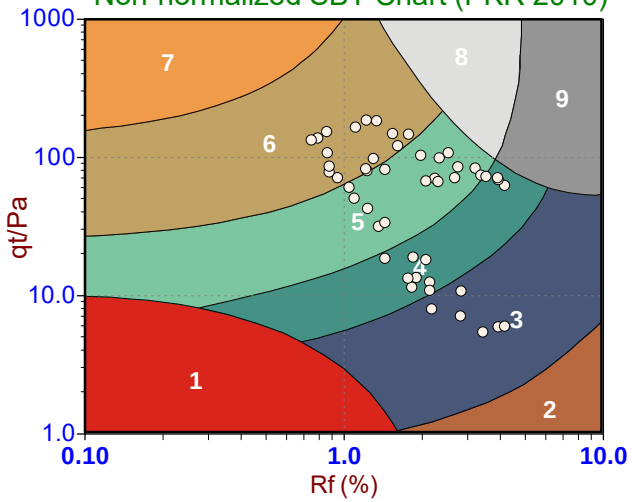
CONETEC

Canada Nickel Company

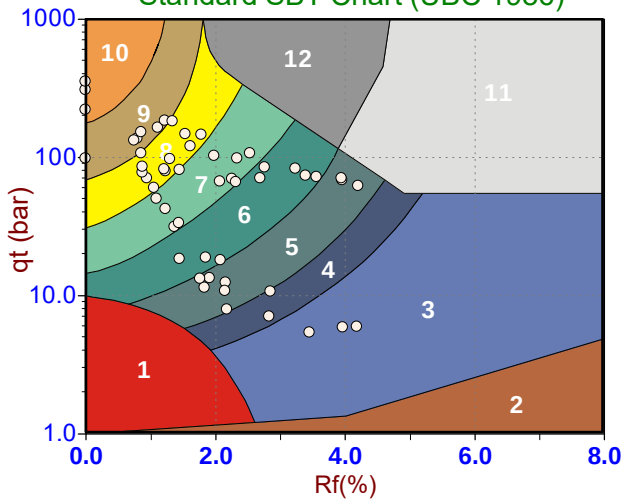
Job No: 21-02-23004
Date: 2021-12-06 11:12
Site: Crawford Mine

Sounding: SRK-OP-CPT-01B
Cone: 751:T1500F15U35

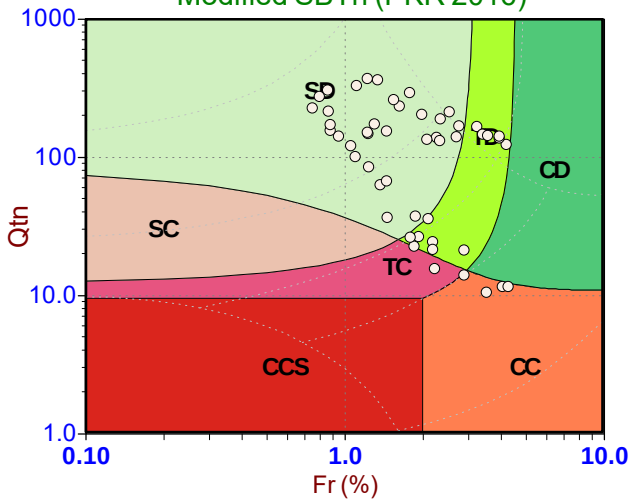
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

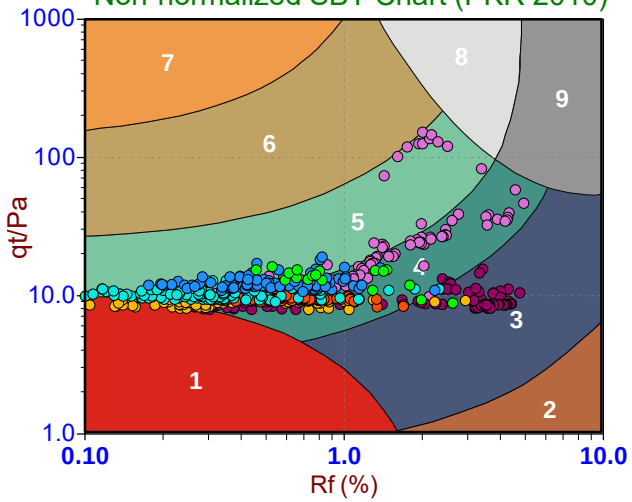
CONETEC

Canada Nickel Company

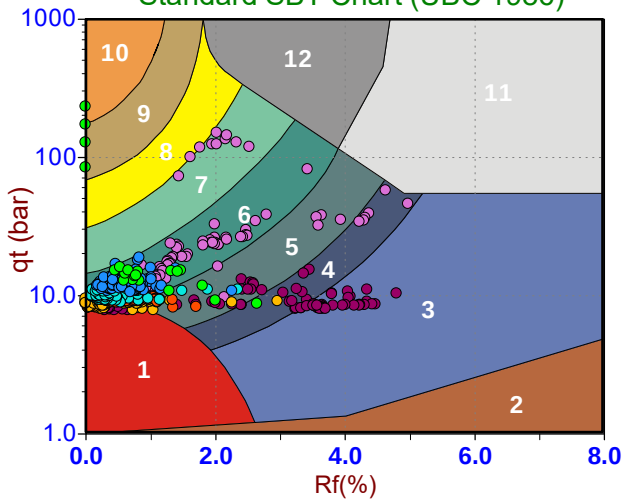
Job No: 21-02-23004
Date: 2021-12-06 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35

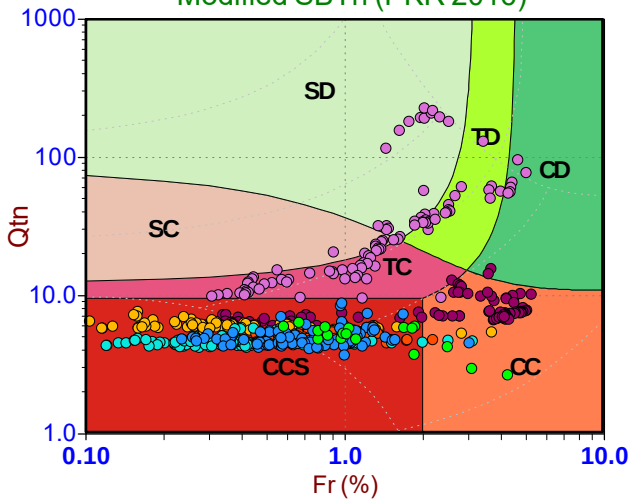
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

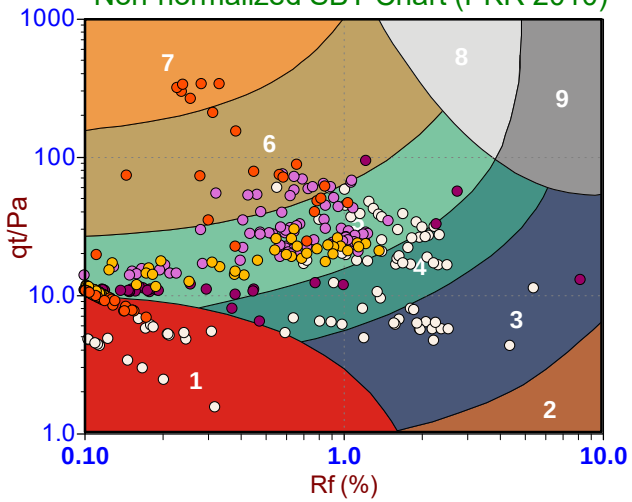
CONETEC

Canada Nickel Company

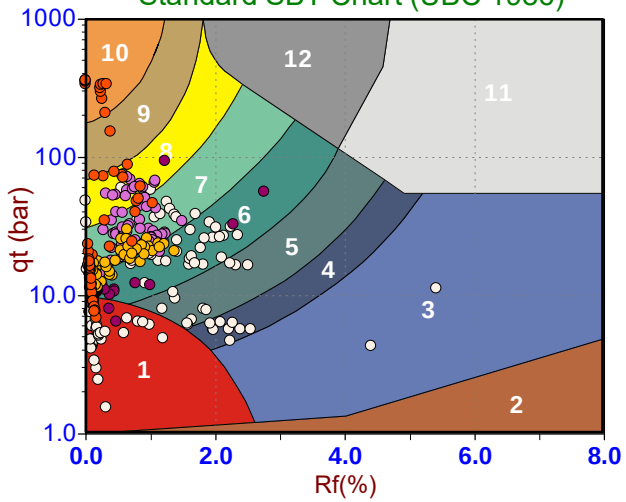
Job No: 21-02-23004
Date: 2021-11-19 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35

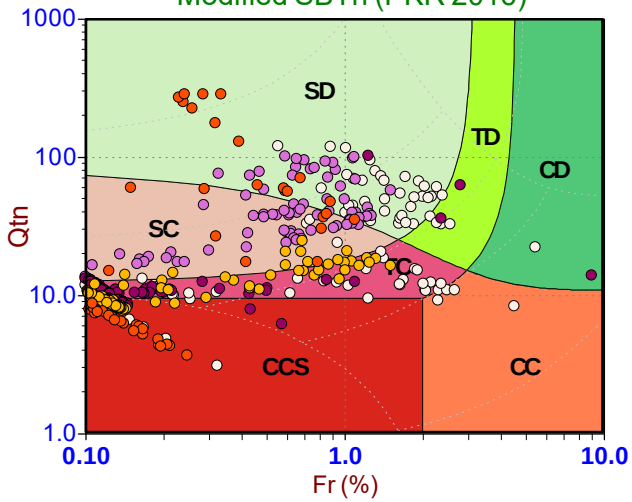
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

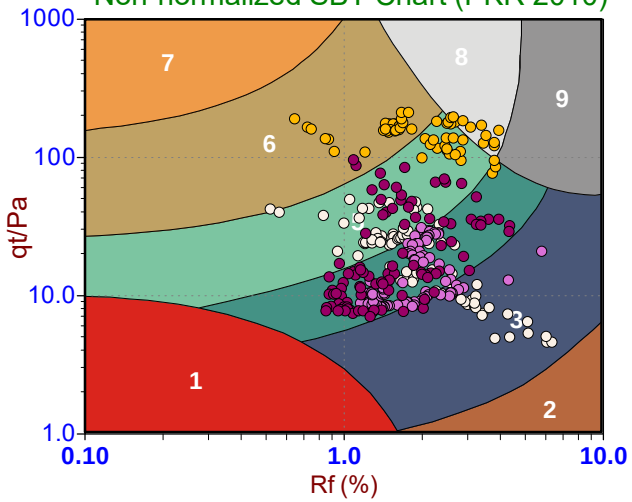
CONETEC

Canada Nickel Company

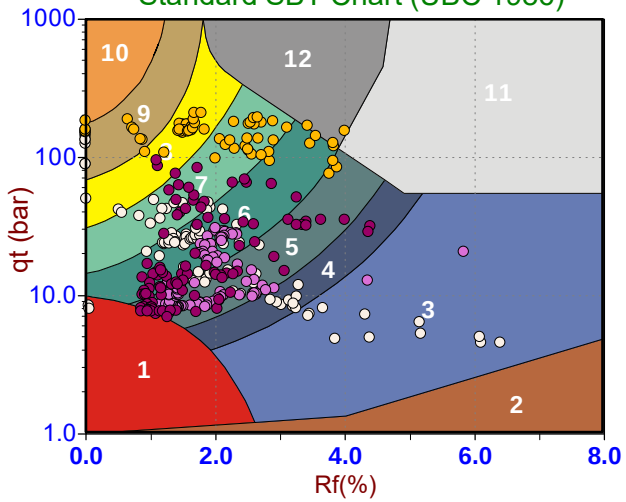
Job No: 21-02-23004
Date: 2022-01-11 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35

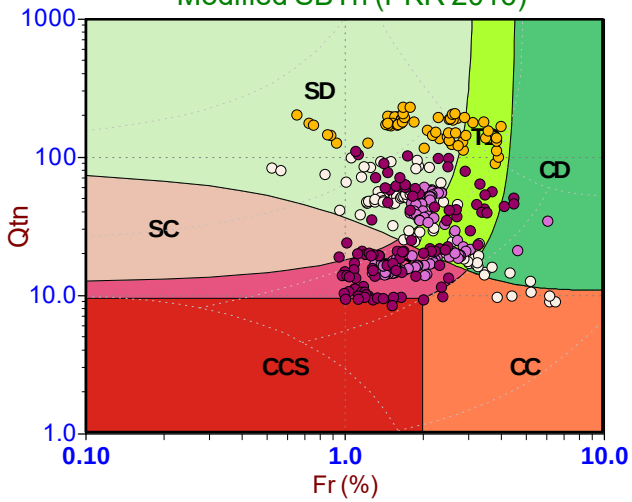
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

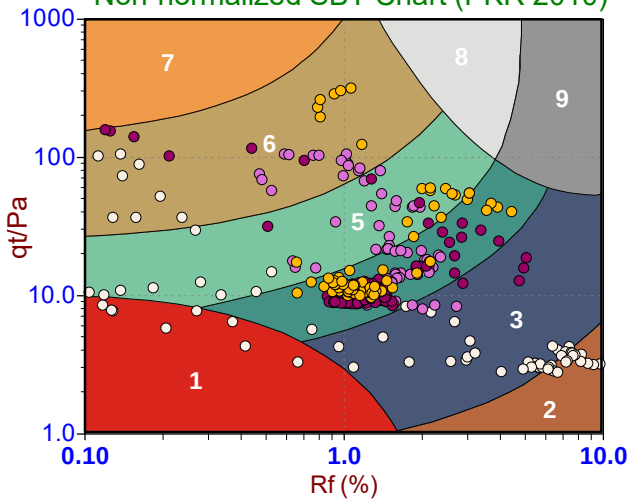
CONETEC

Canada Nickel Company

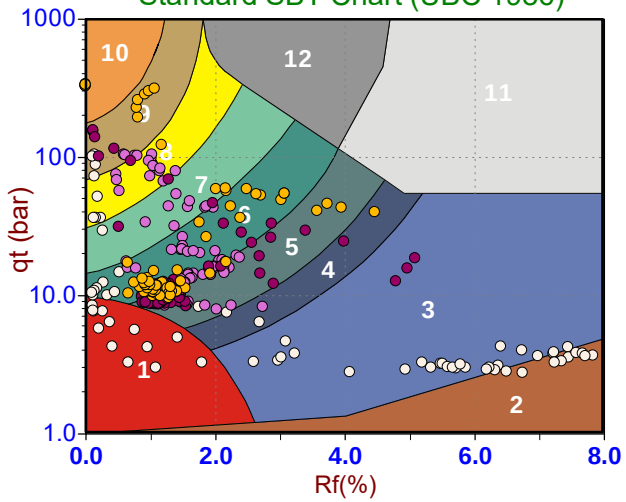
Job No: 21-02-23004
Date: 2022-01-15 09:45
Site: Crawford Mine

Sounding: SRK-OP-CPT-04
Cone: 726:T1500F15U35

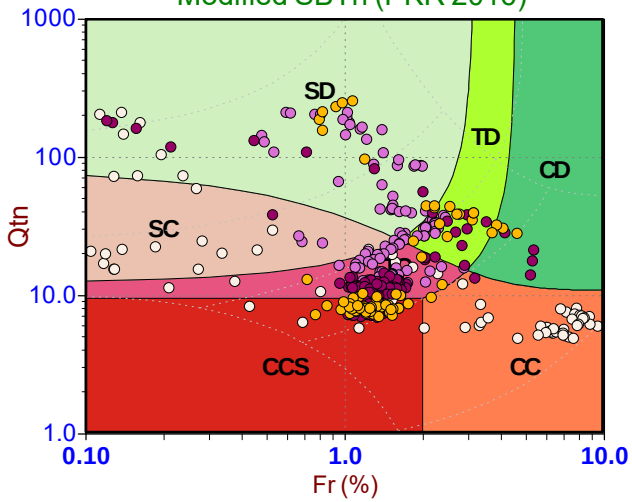
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

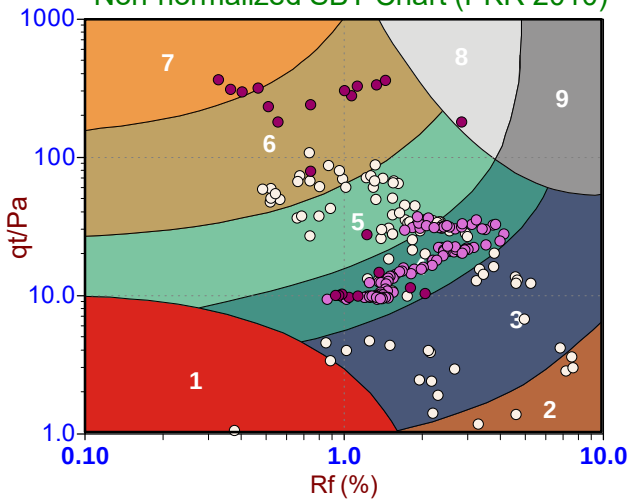
CONETEC

Canada Nickel Company

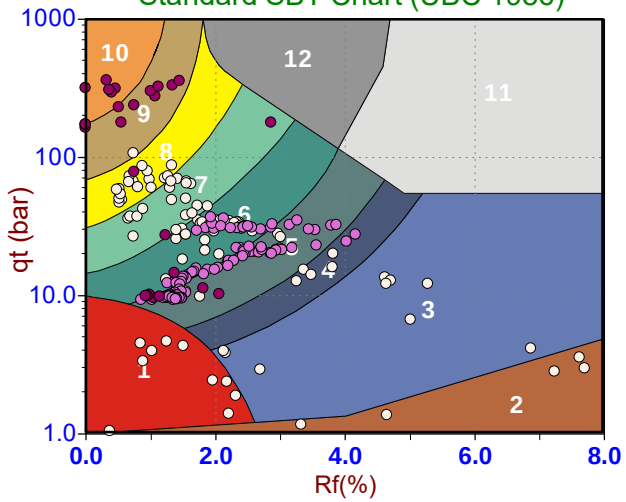
Job No: 21-02-23004
Date: 2021-10-13 06:17
Site: Crawford Mine

Sounding: SRK-OP-CPT-05
Cone: 726:T1500F15U35

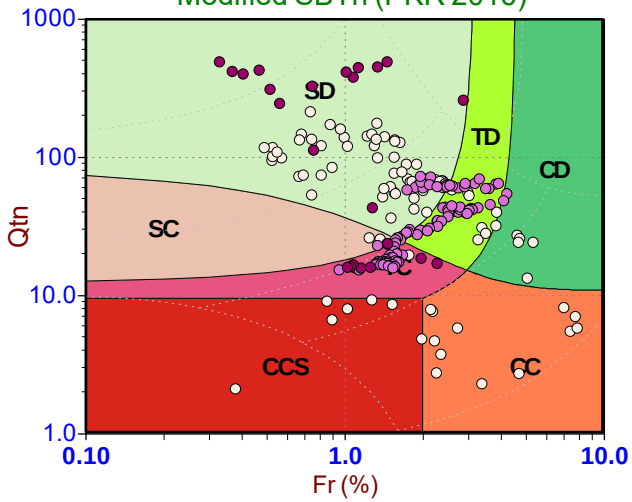
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

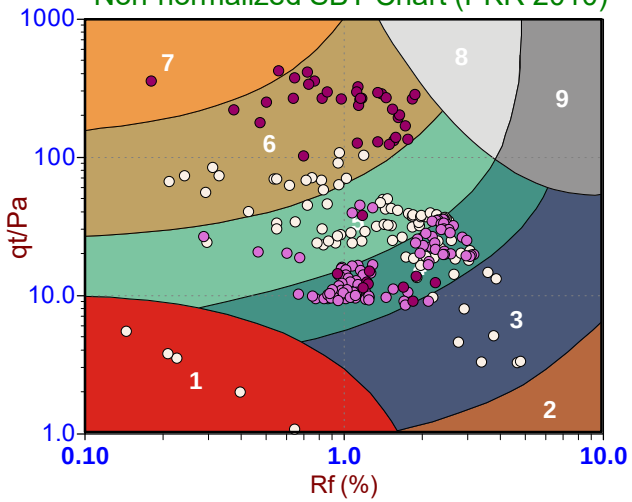
CONETEC

Canada Nickel Company

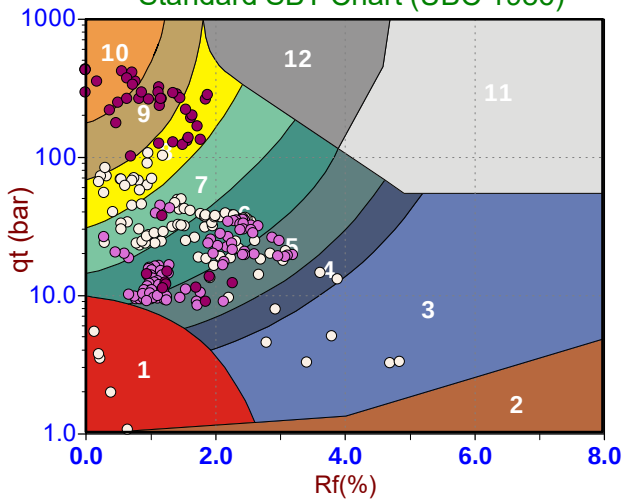
Job No: 21-02-23004
Date: 2021-10-13 09:53
Site: Crawford Mine

Sounding: SRK-OP-CPT-05B
Cone: 726:T1500F15U35

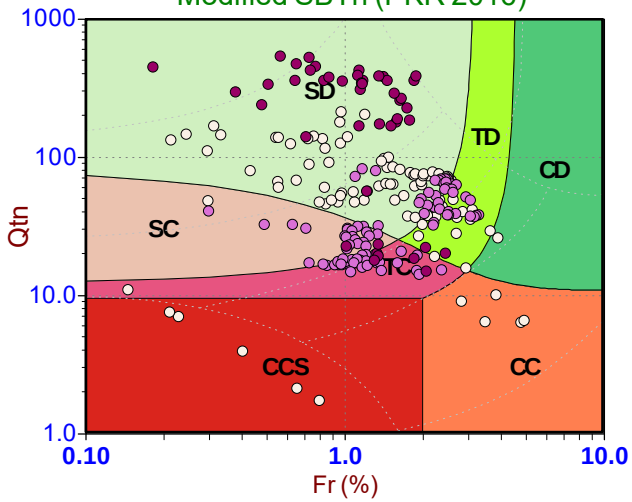
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

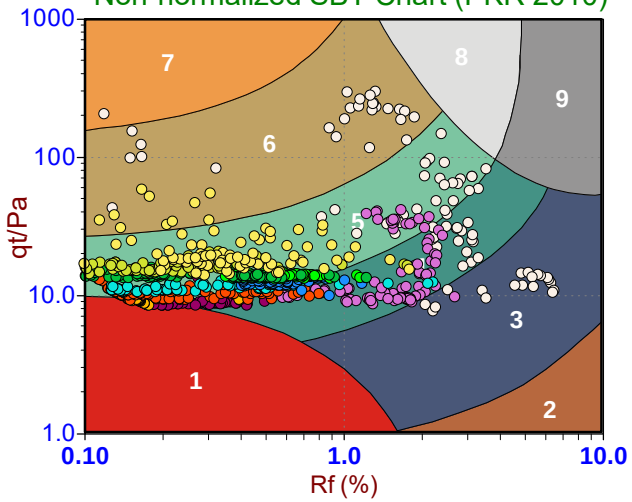
CONETEC

Canada Nickel Company

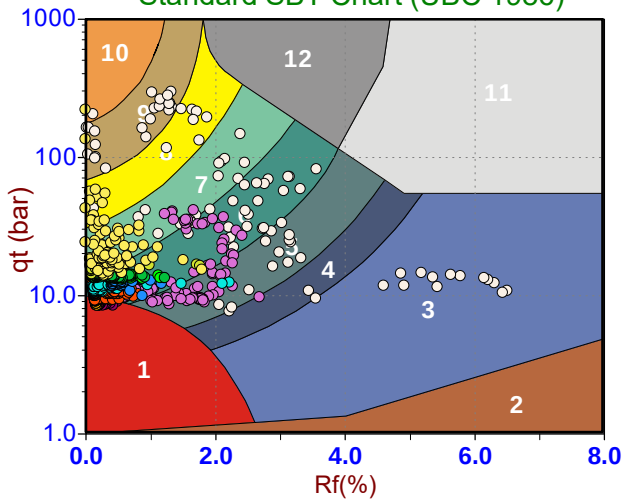
Job No: 21-02-23004
Date: 2022-02-07 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35

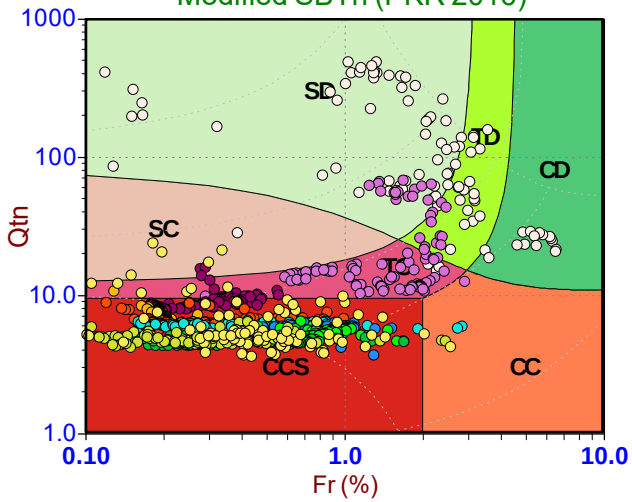
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

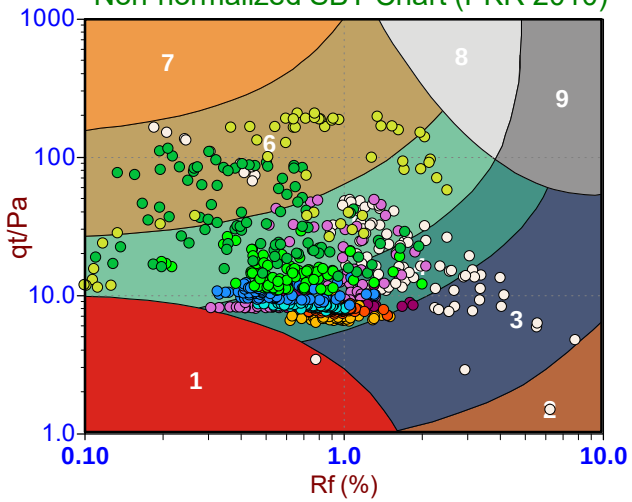
CONETEC

Canada Nickel Company

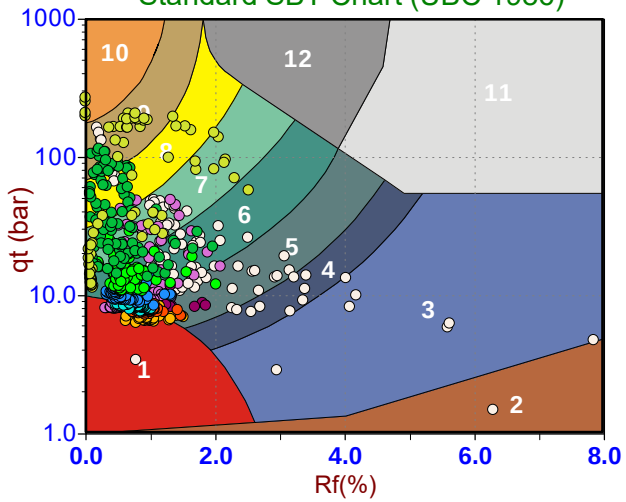
Job No: 21-02-23004
Date: 2022-02-23 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35

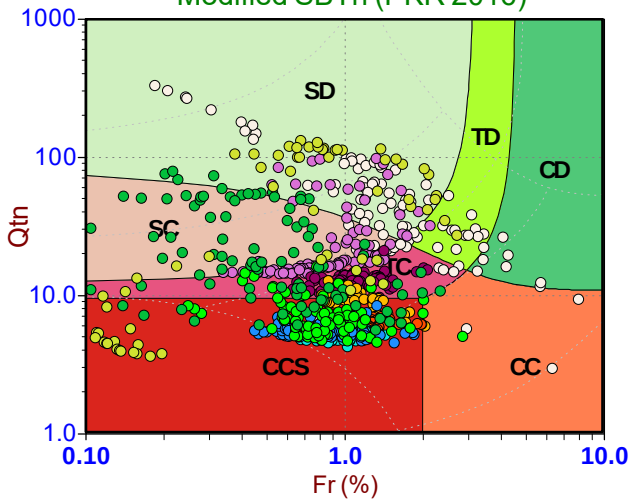
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

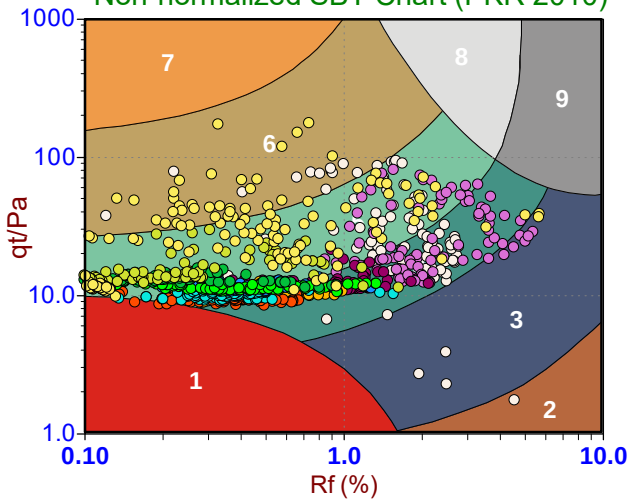
CONETEC

Canada Nickel Company

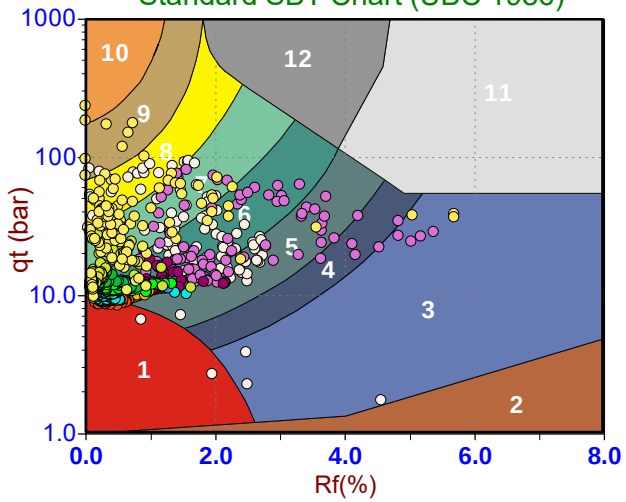
Job No: 21-02-23004
Date: 2022-02-18 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35

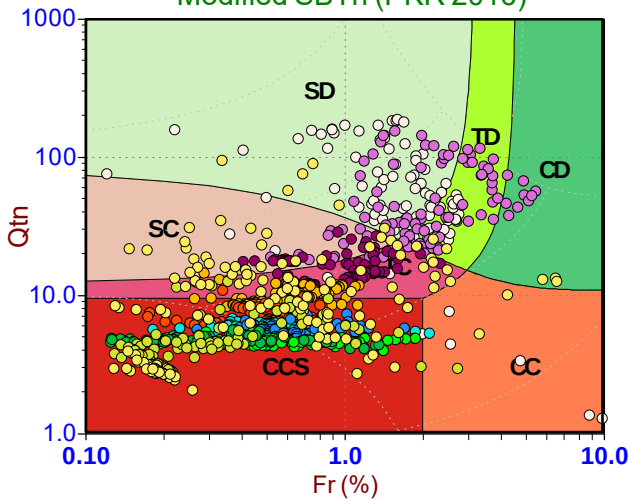
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

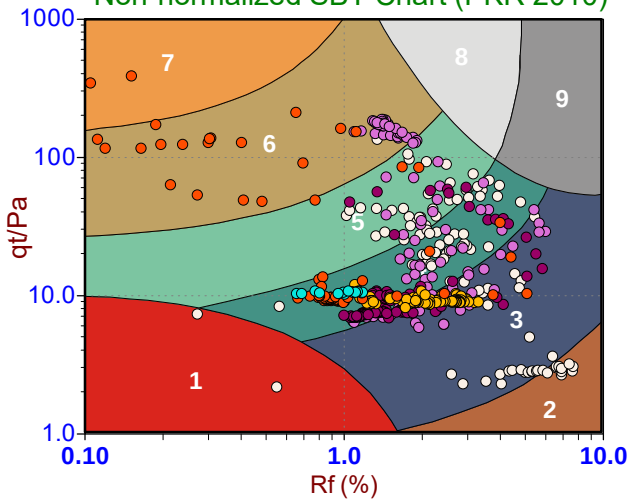
CONETEC

Canada Nickel Company

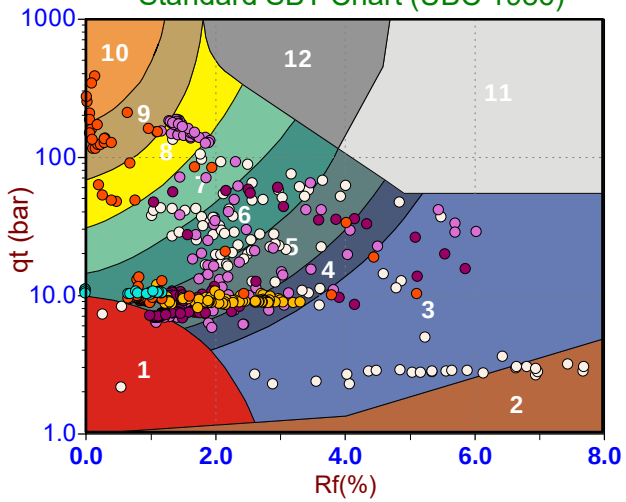
Job No: 21-02-23004
Date: 2021-10-10 09:19
Site: Crawford Mine

Sounding: SRK-OP-CPT-10
Cone: 726:T1500F15U35

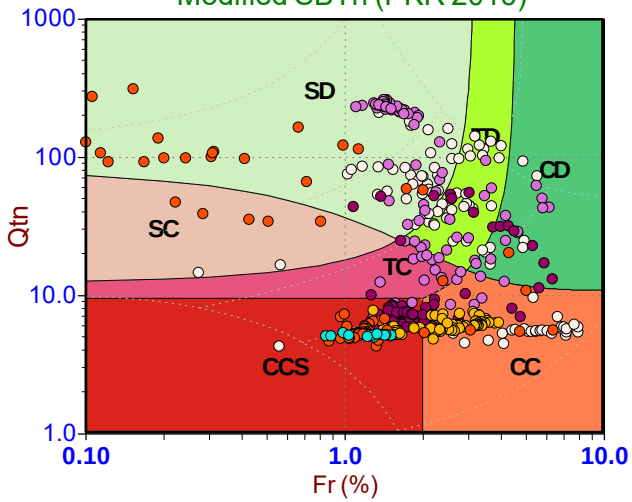
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

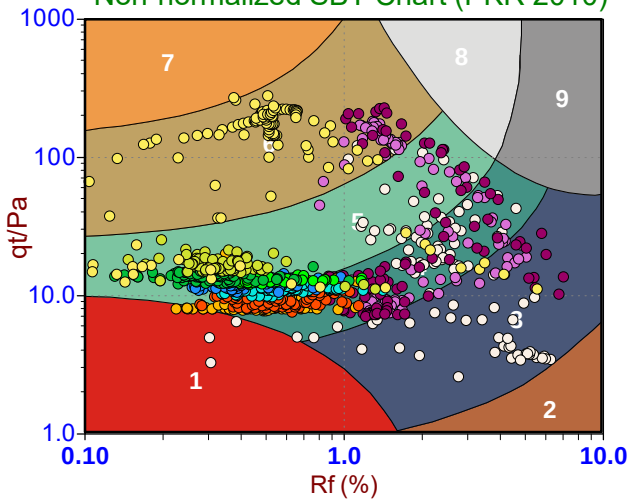
CONETEC

Canada Nickel Company

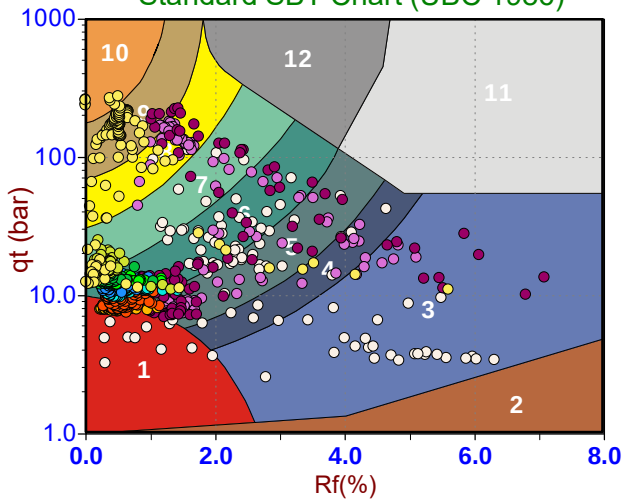
Job No: 21-02-23004
Date: 2021-10-10 13:52
Site: Crawford Mine

Sounding: SRK-OP-CPT-10B
Cone: 726:T1500F15U35

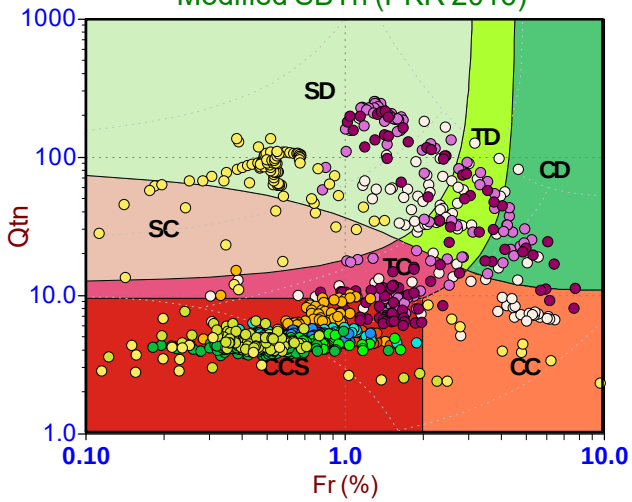
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

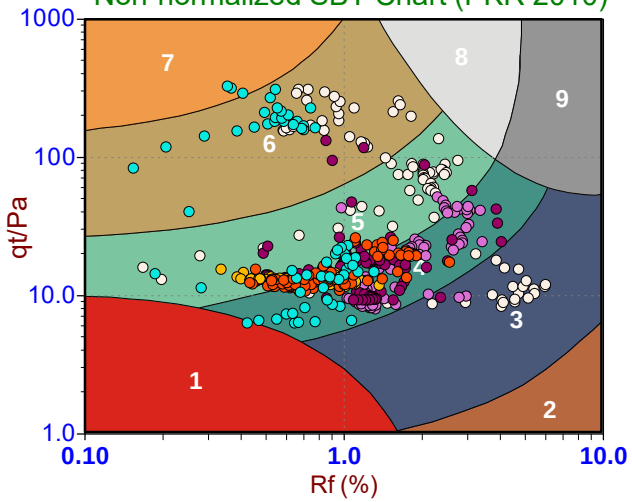
CONETEC

Canada Nickel Company

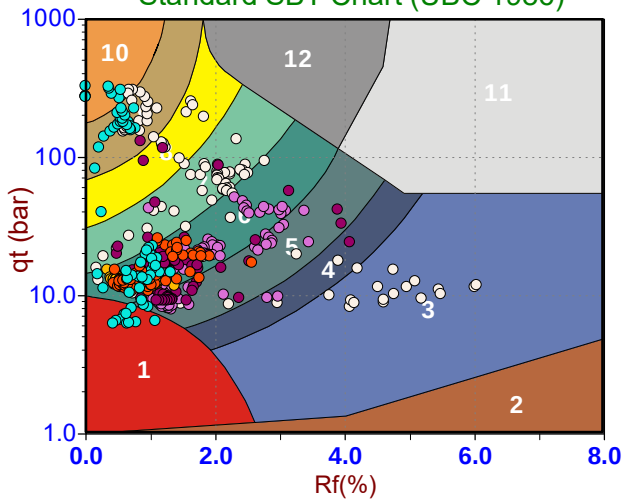
Job No: 21-02-23004
Date: 2021-10-08 07:03
Site: Crawford Mine

Sounding: SRK-OP-CPT-11
Cone: 726:T1500F15U35

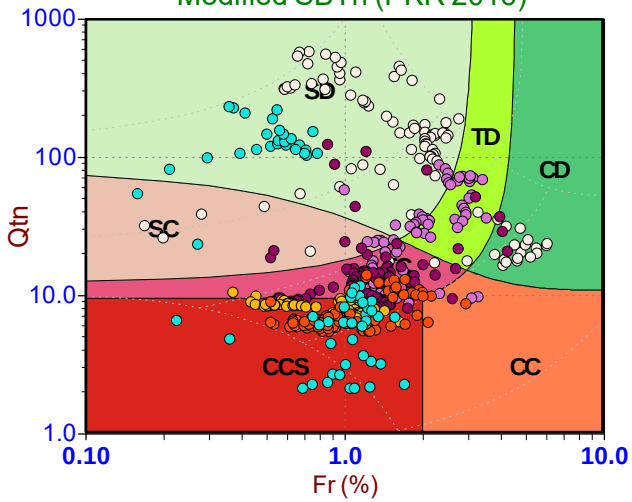
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

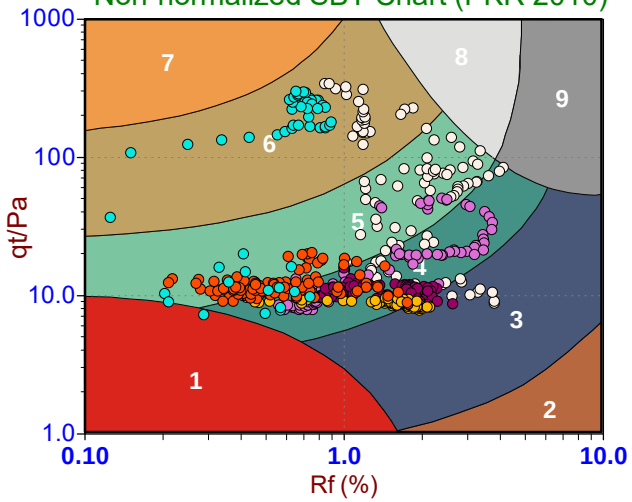
CONETEC

Canada Nickel Company

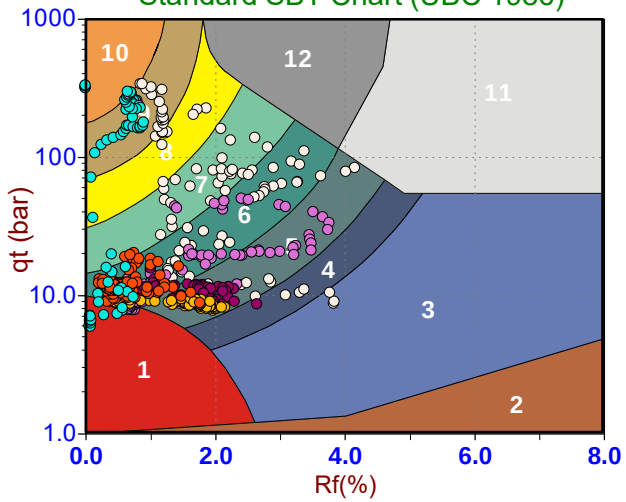
Job No: 21-02-23004
Date: 2021-10-08 09:01
Site: Crawford Mine

Sounding: SRK-OP-CPT-11B
Cone: 726:T1500F15U35

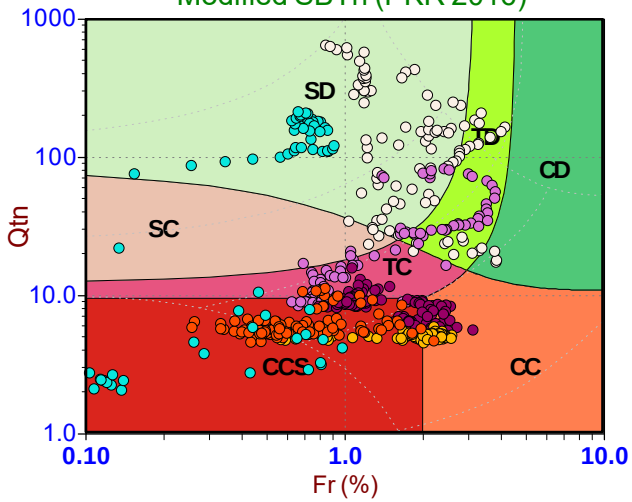
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

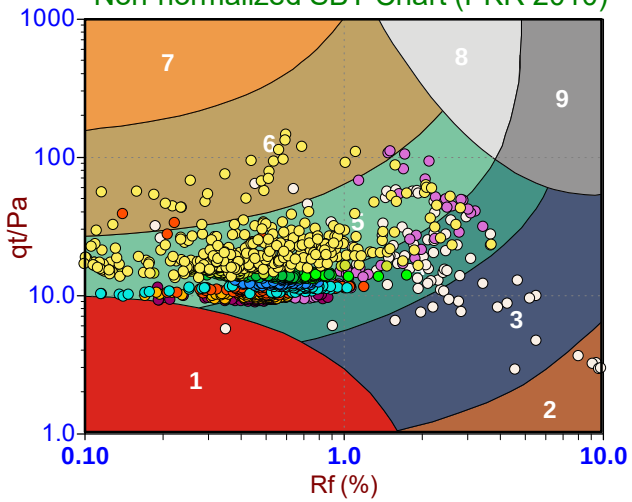
CONETEC

Canada Nickel Company

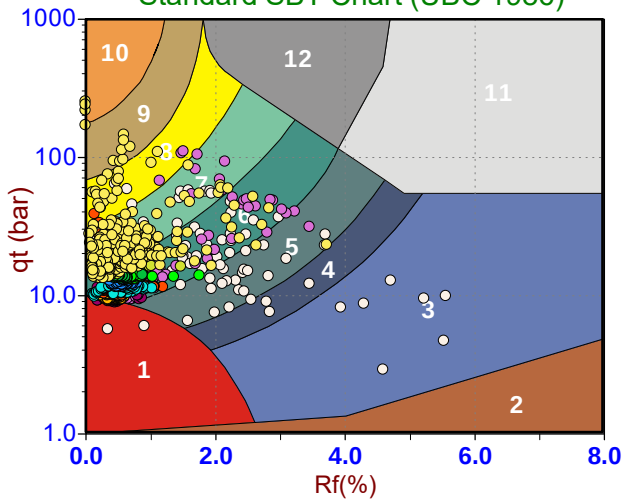
Job No: 21-02-23004
Date: 2022-02-21 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35

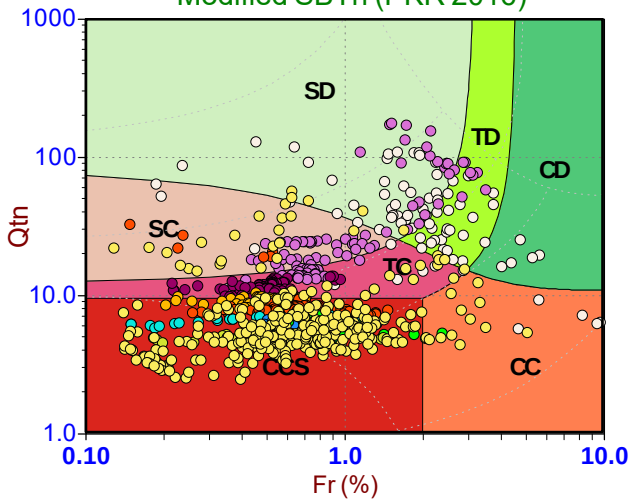
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

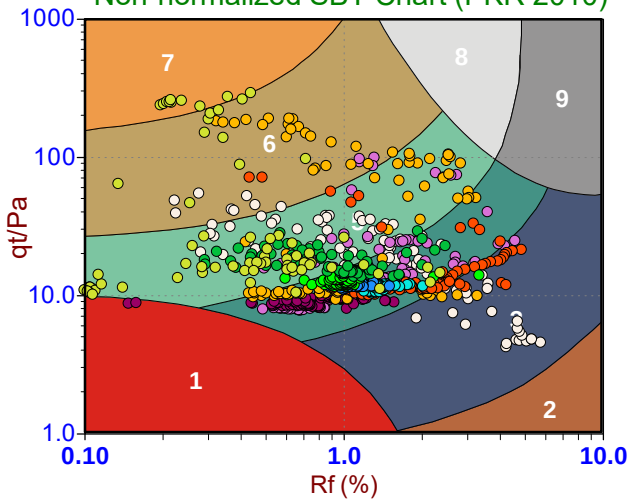
CONETEC

Canada Nickel Company

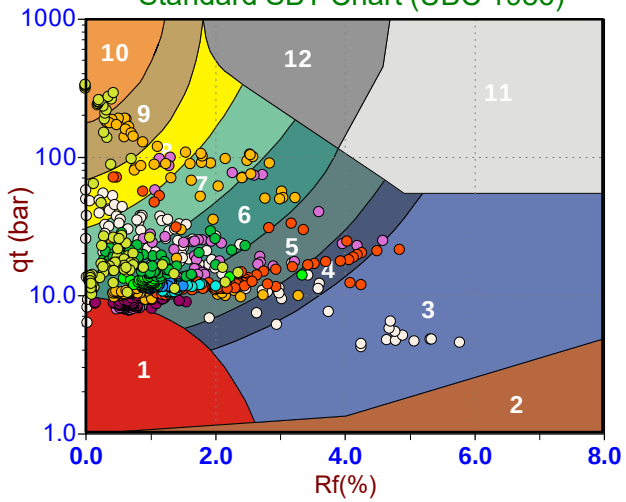
Job No: 21-02-23004
Date: 2022-03-20 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35

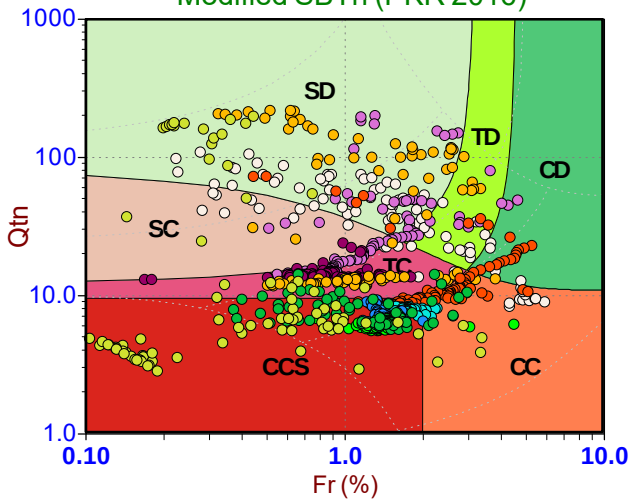
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

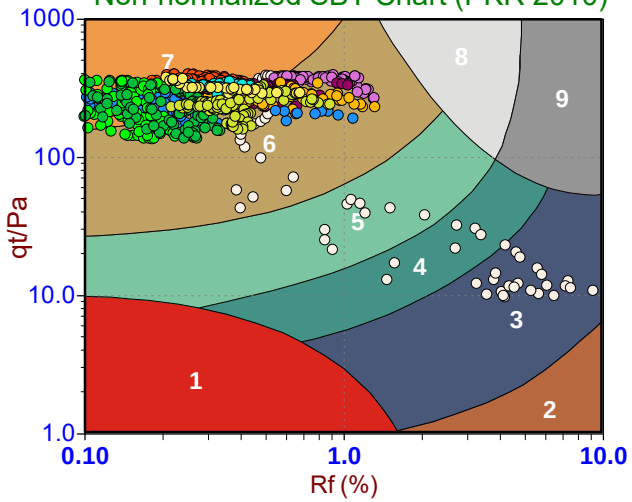
CONETEC

Canada Nickel Company

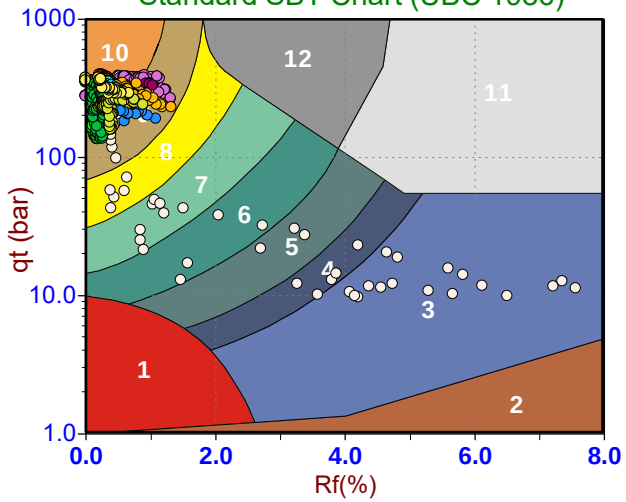
Job No: 21-02-23004
Date: 2021-11-12 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35

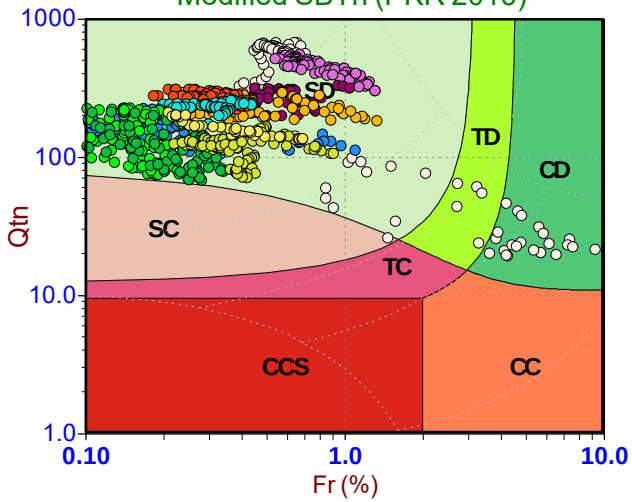
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

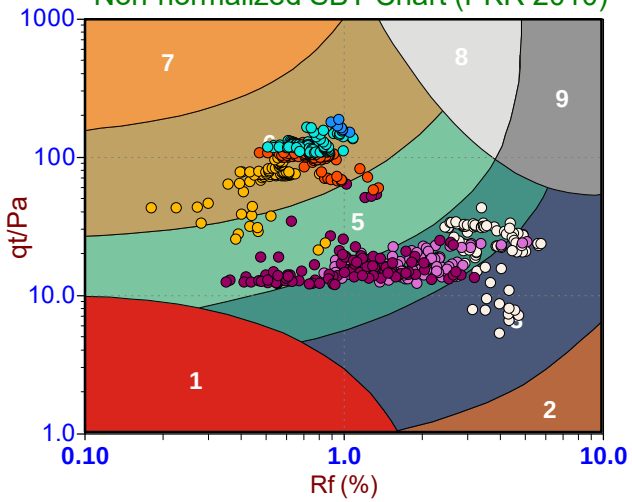
CONETEC

Canada Nickel Company

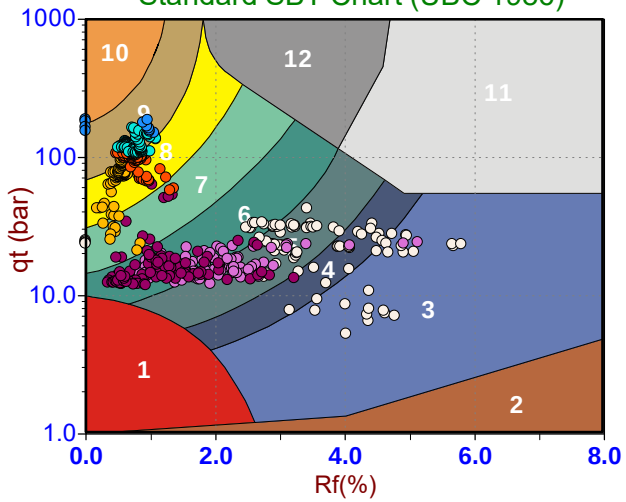
Job No: 21-02-23004
Date: 2021-11-15 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35

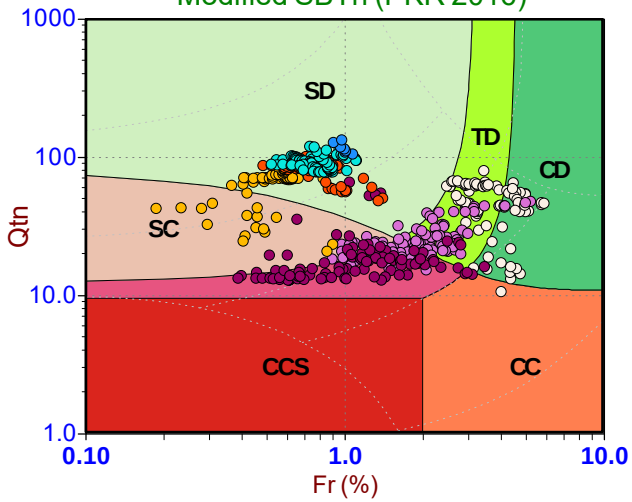
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

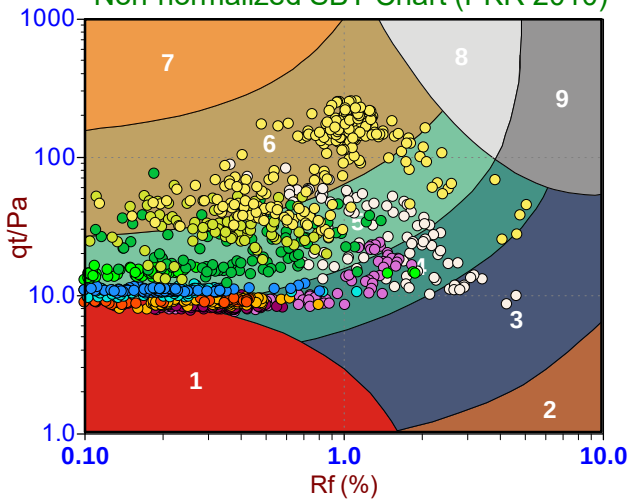
CONETEC

Canada Nickel Company

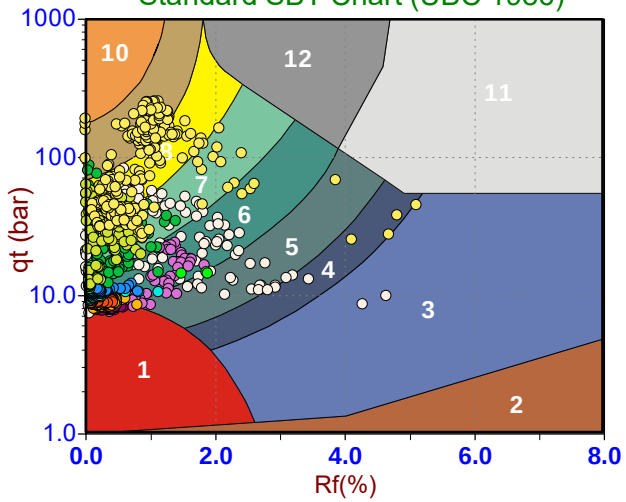
Job No: 21-02-23004
Date: 2022-03-04 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35

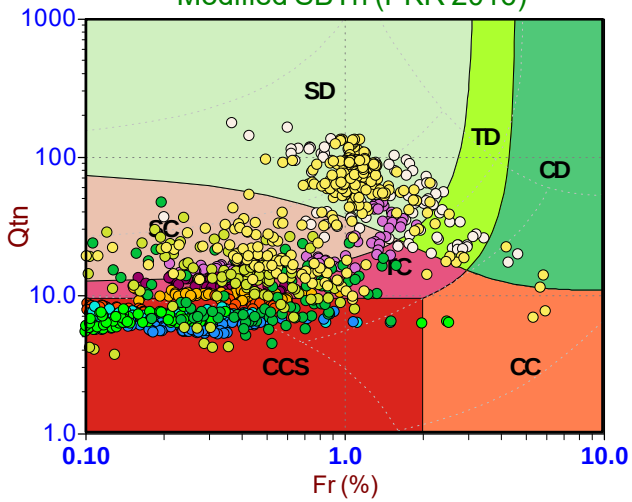
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

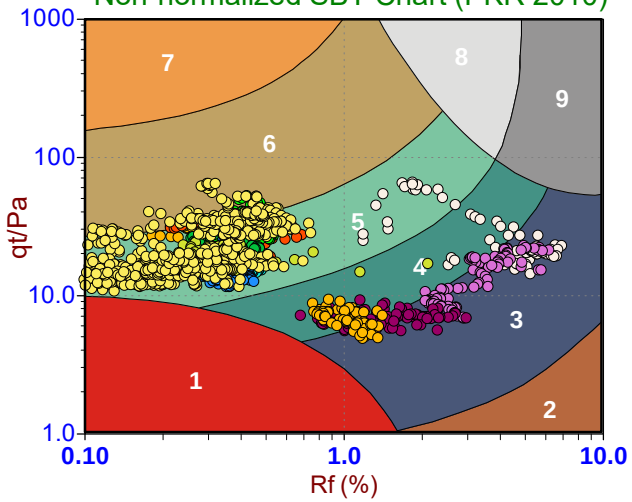
CONETEC

Canada Nickel Company

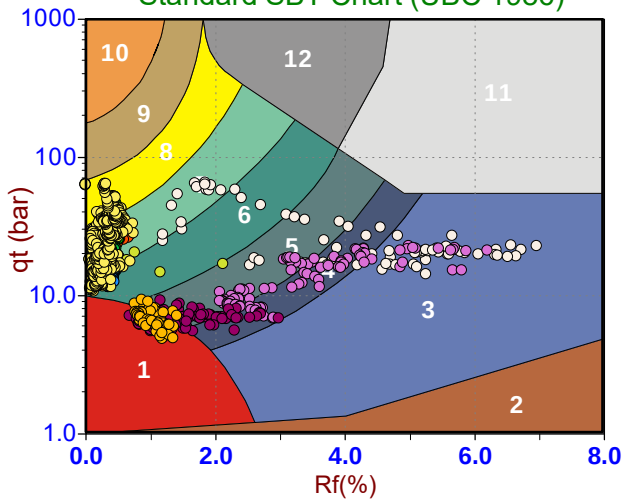
Job No: 21-02-23004
Date: 2021-12-13 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35

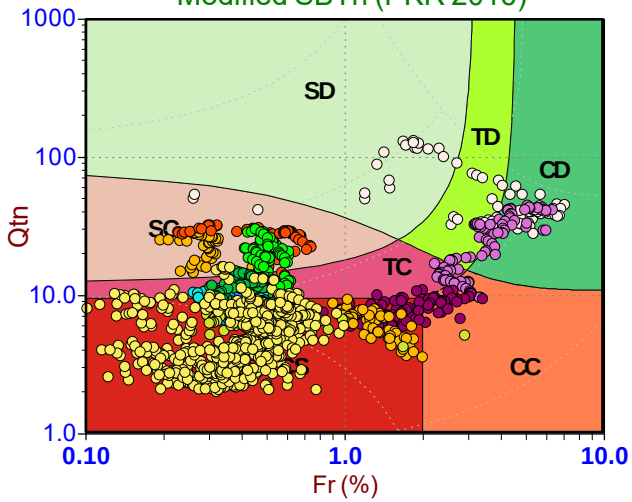
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

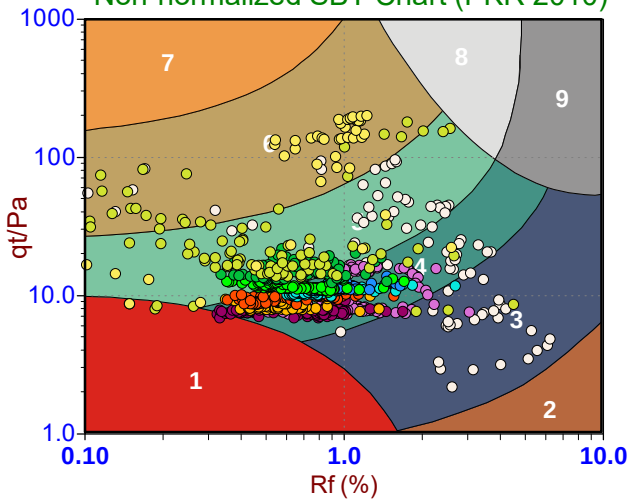
CONETEC

Canada Nickel Company

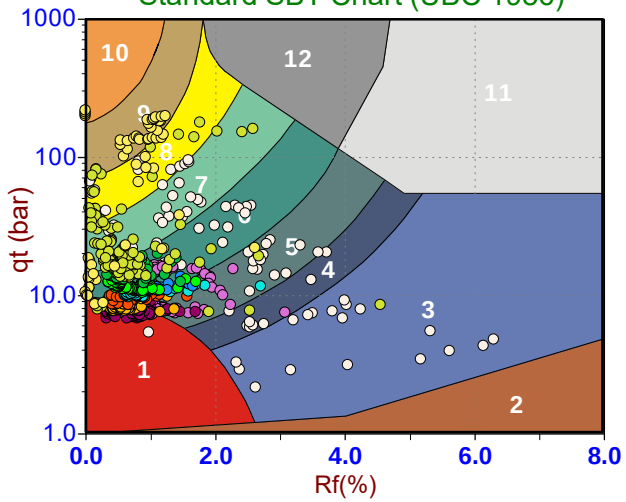
Job No: 21-02-23004
Date: 2022-03-12 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35

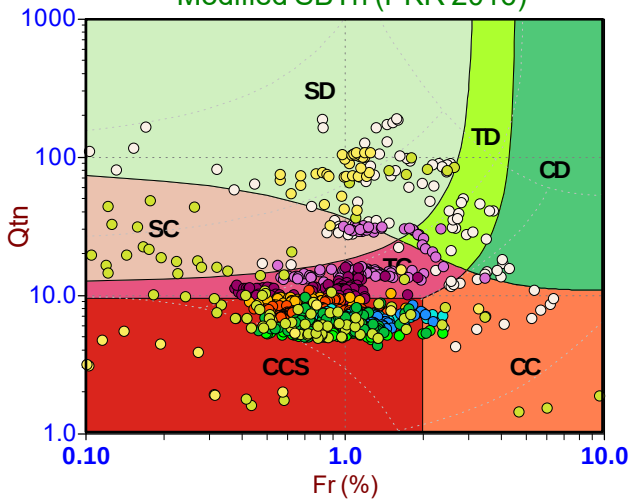
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

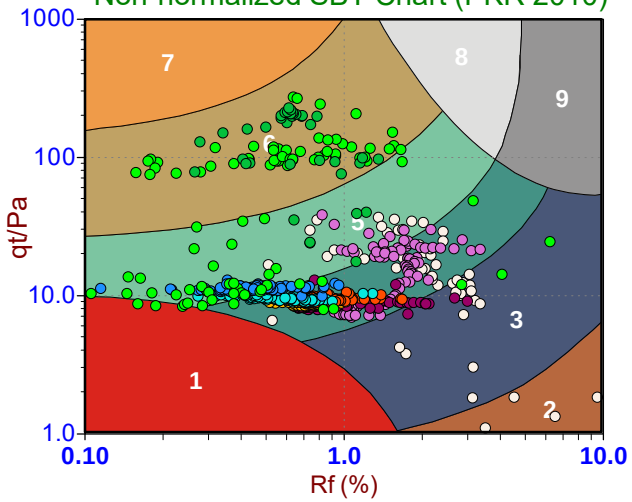
CONETEC

Canada Nickel Company

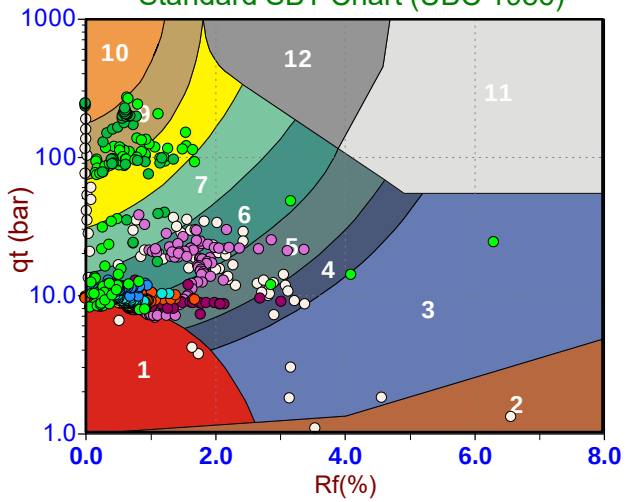
Job No: 21-02-23004
Date: 2022-01-17 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35

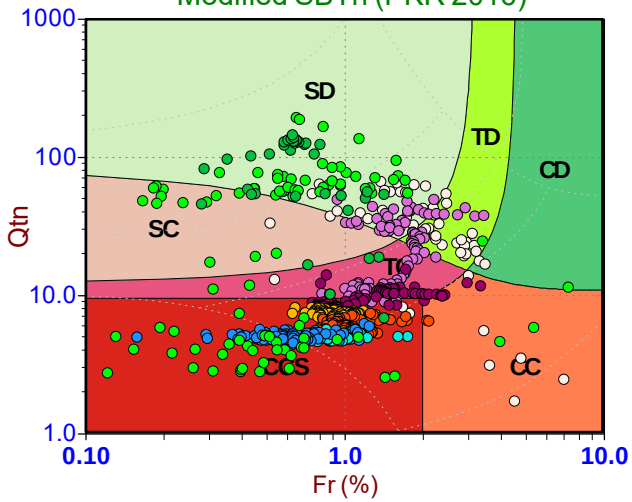
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

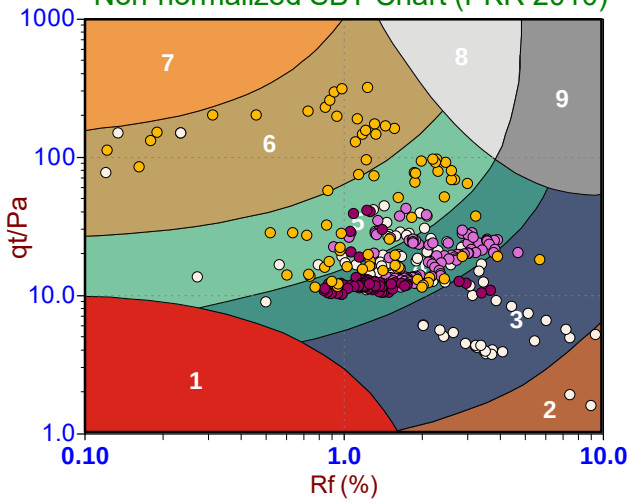
CONETEC

Canada Nickel Company

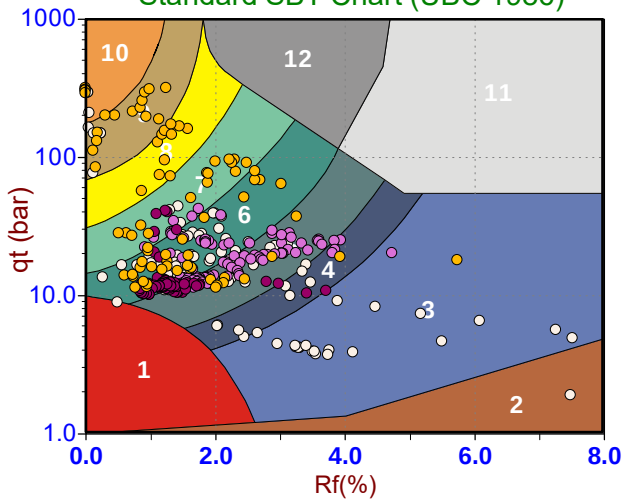
Job No: 21-02-23004
Date: 2022-01-19 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35

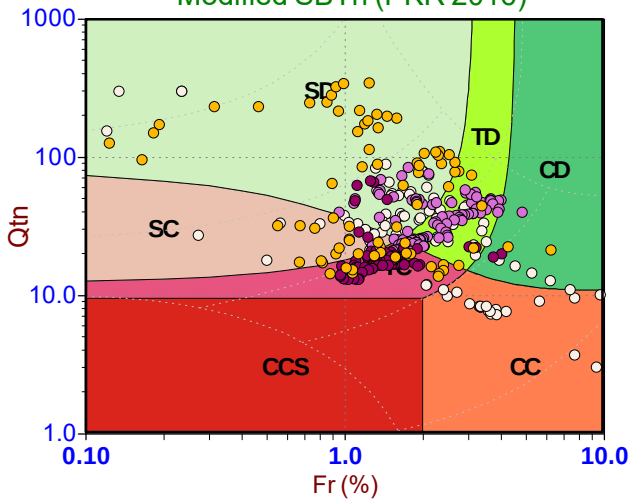
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

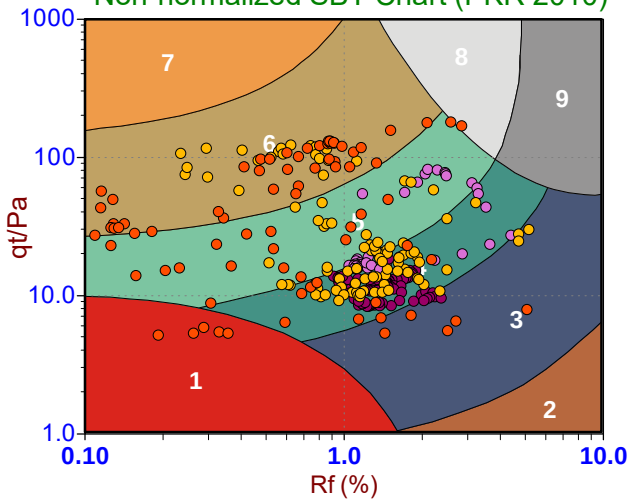
CONETEC

Canada Nickel Company

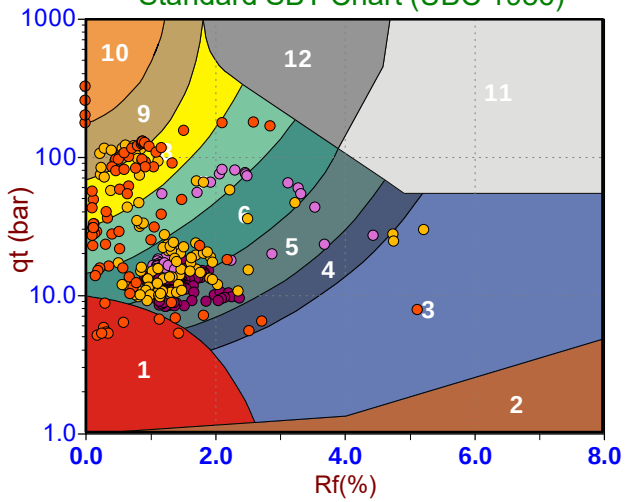
Job No: 21-02-23004
Date: 2022-01-26 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35

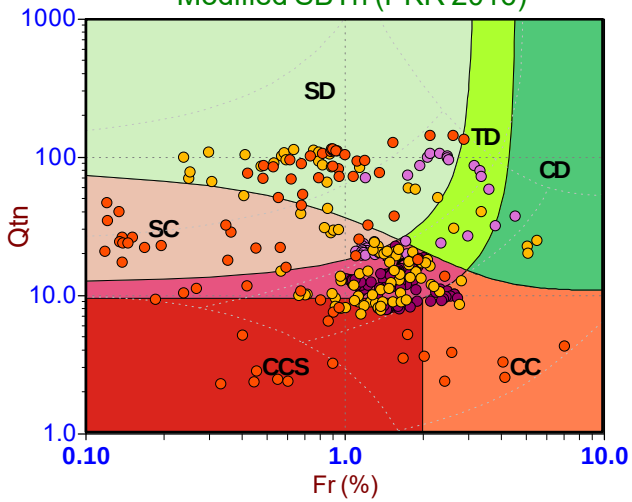
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

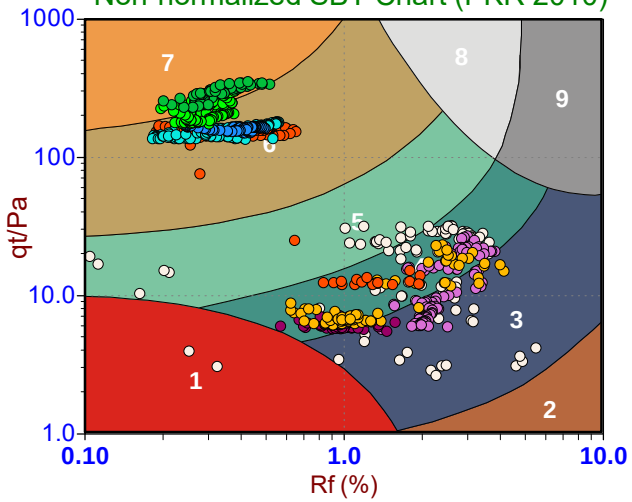
CONETEC

Canada Nickel Company

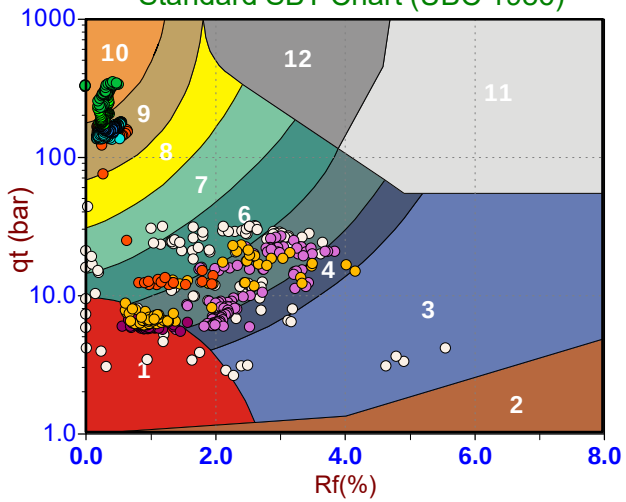
Job No: 21-02-23004
Date: 2022-01-30 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35

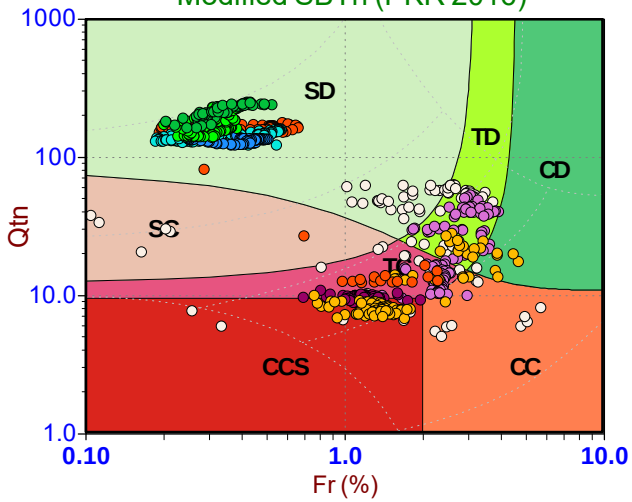
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

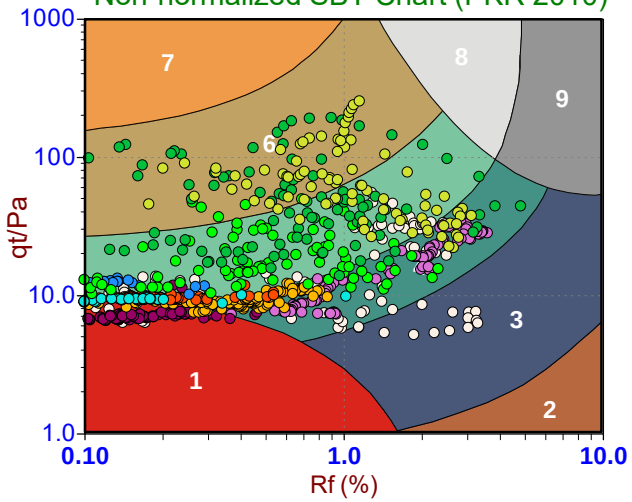
CONETEC

Canada Nickel Company

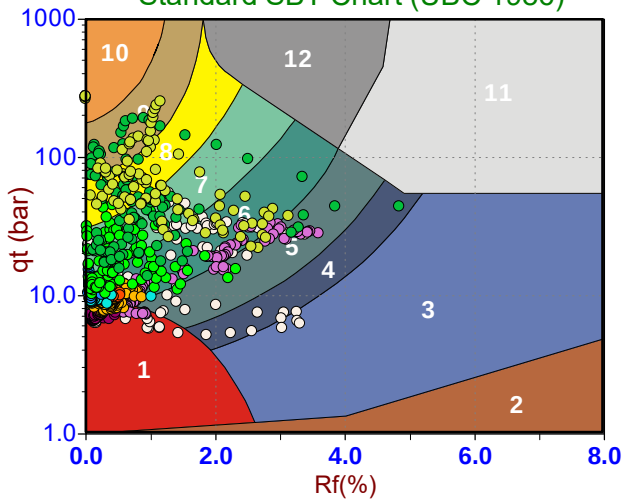
Job No: 21-02-23004
Date: 2021-10-30 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35

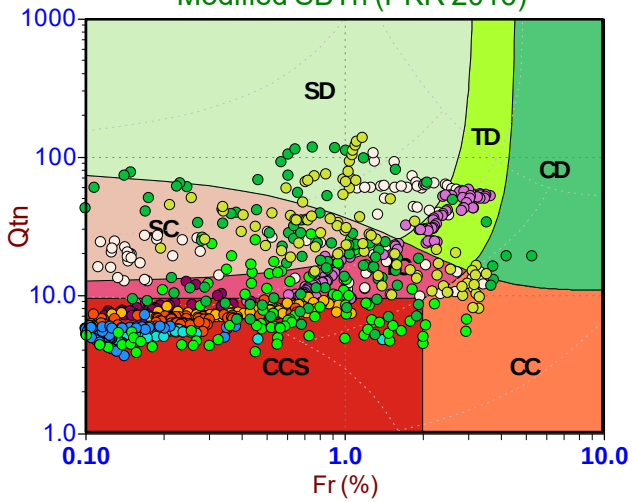
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

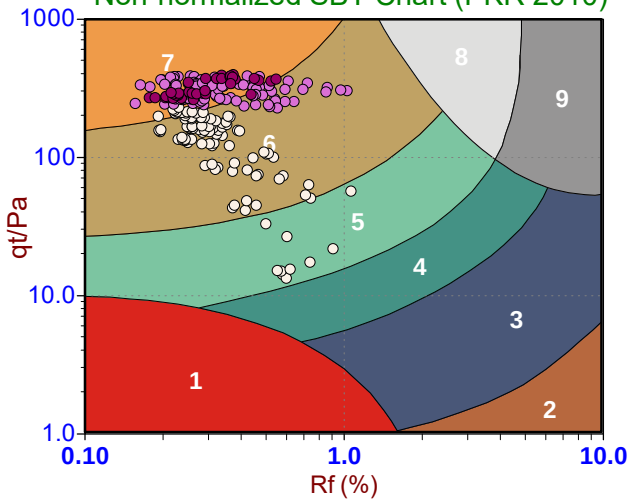
CONETEC

Canada Nickel Company

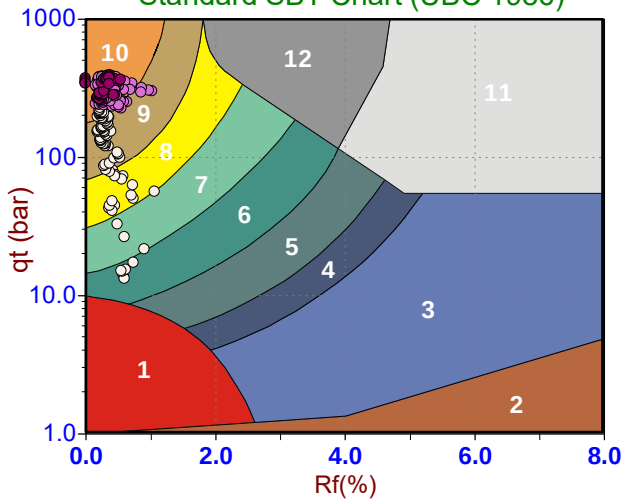
Job No: 21-02-23004
Date: 2021-11-06 05:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-07
Cone: 742:T1500F15U35

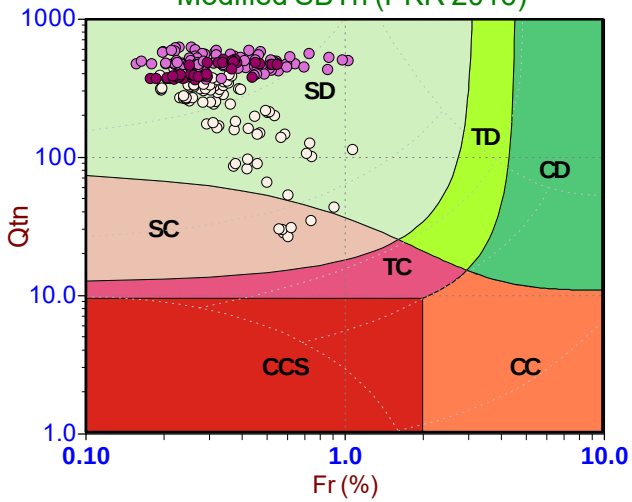
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

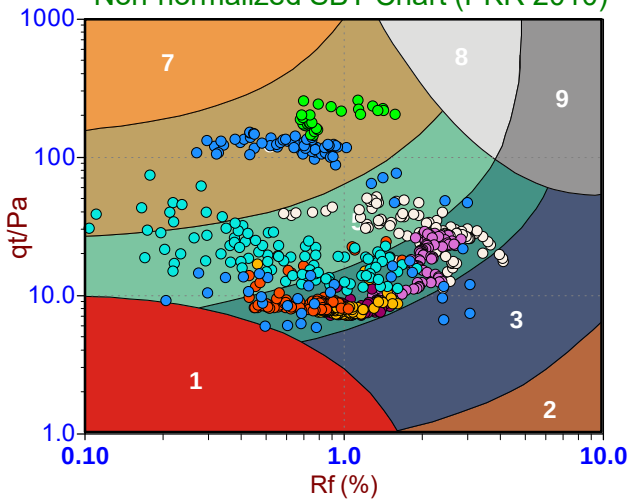
CONETEC

Canada Nickel Company

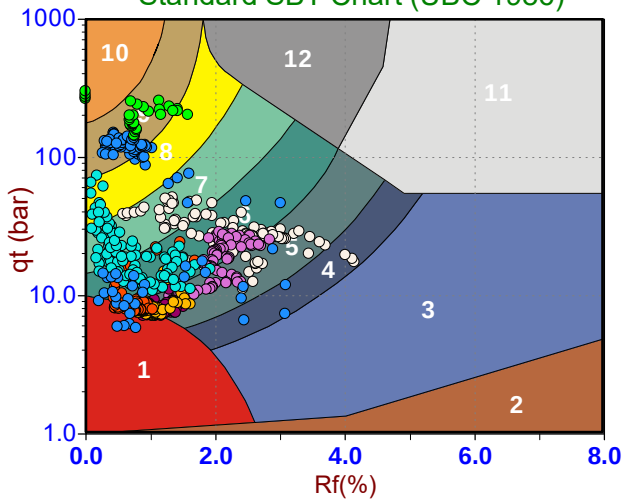
Job No: 21-02-23004
Date: 2021-10-24 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35

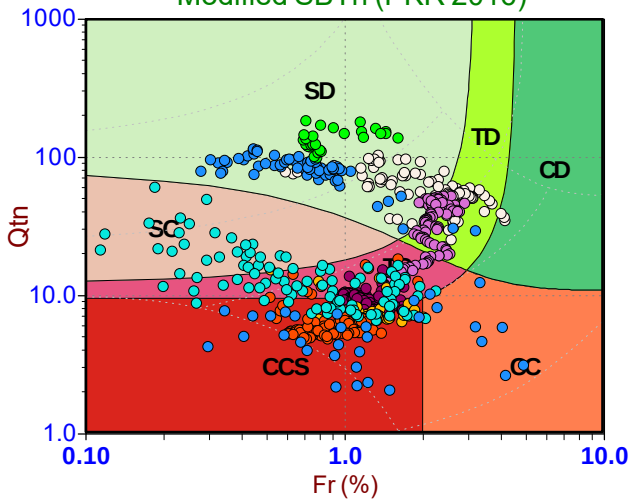
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

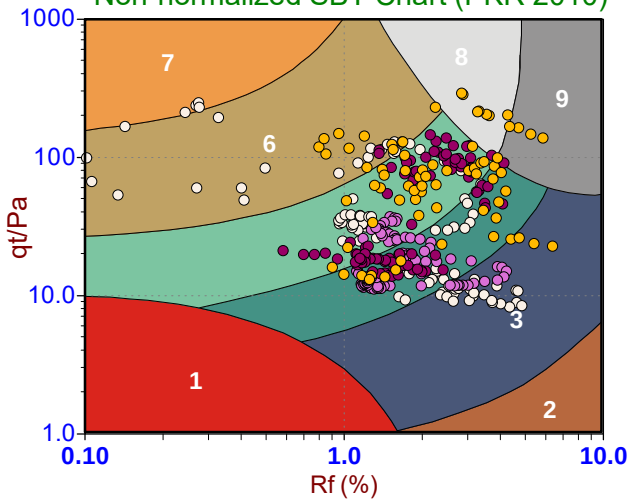
CONETEC

Canada Nickel Company

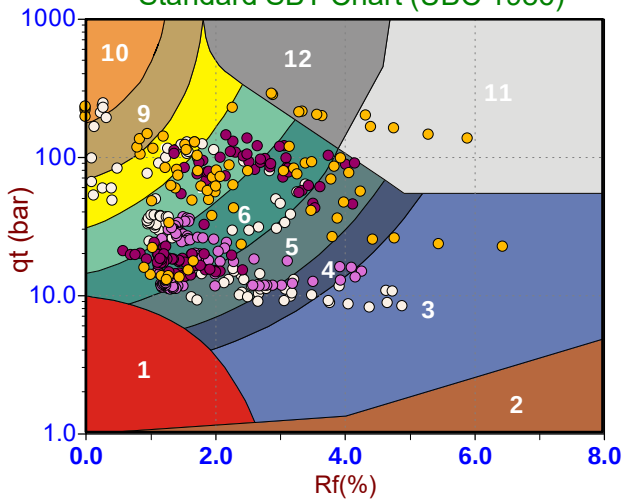
Job No: 21-02-23004
Date: 2022-02-05 06:51
Site: Crawford Mine

Sounding: SRK-TSF-CPT-09
Cone: 751:T1500F15U35

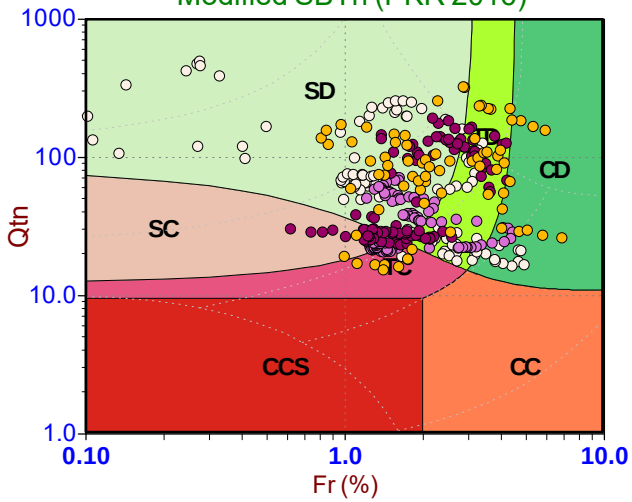
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

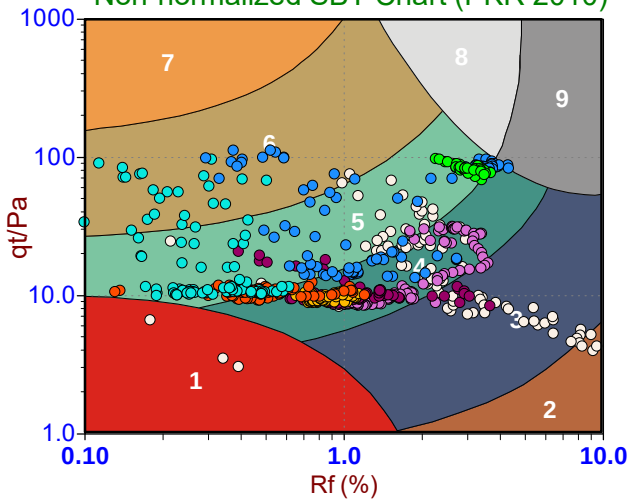
CONETEC

Canada Nickel Company

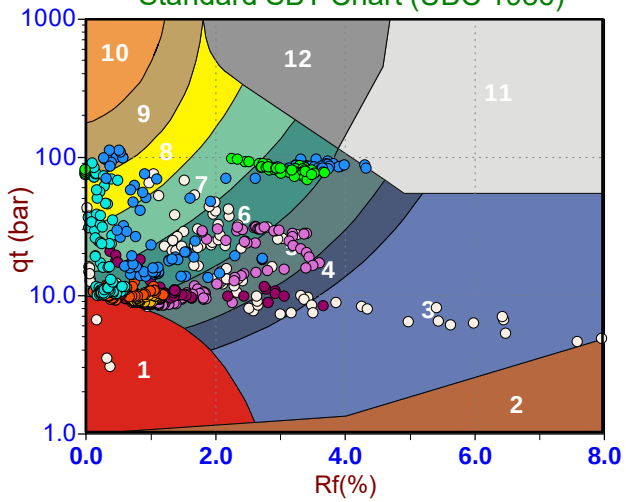
Job No: 21-02-23004
Date: 2022-01-22 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35

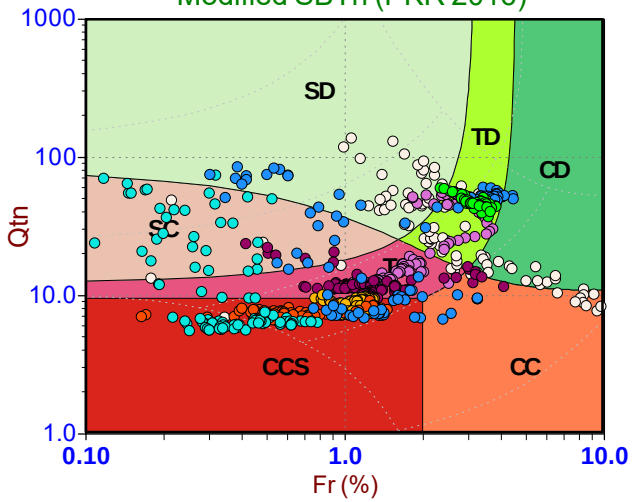
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

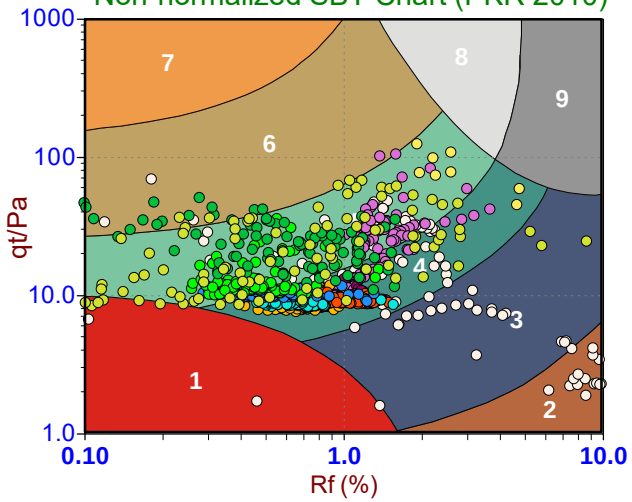
CONETEC

Canada Nickel Company

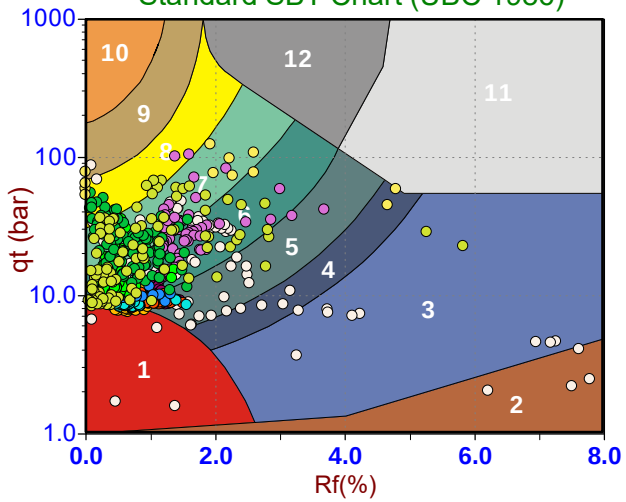
Job No: 21-02-23004
Date: 2022-03-14 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35

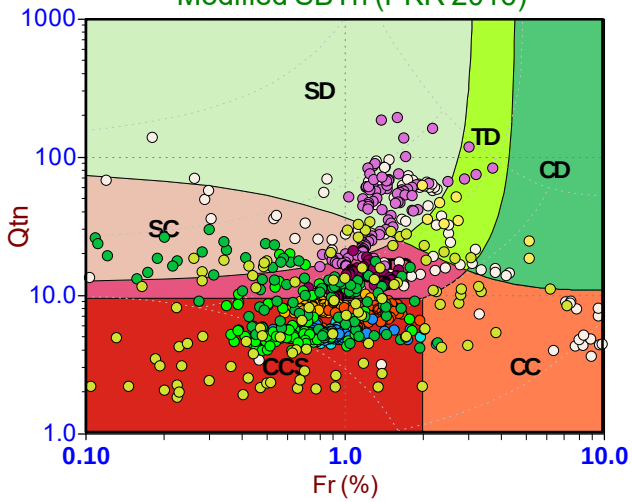
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

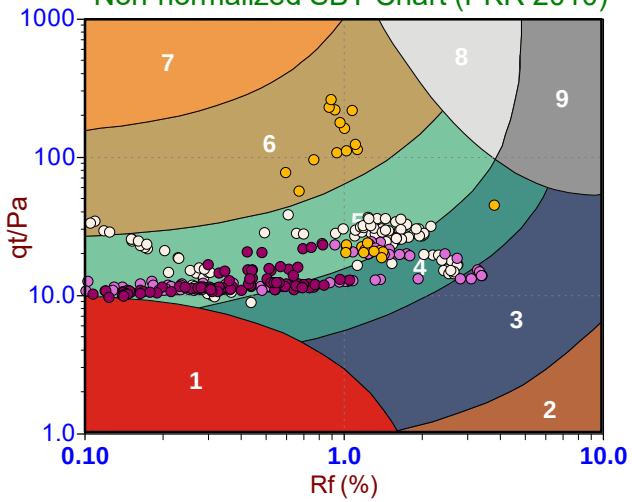
CONETEC

Canada Nickel Company

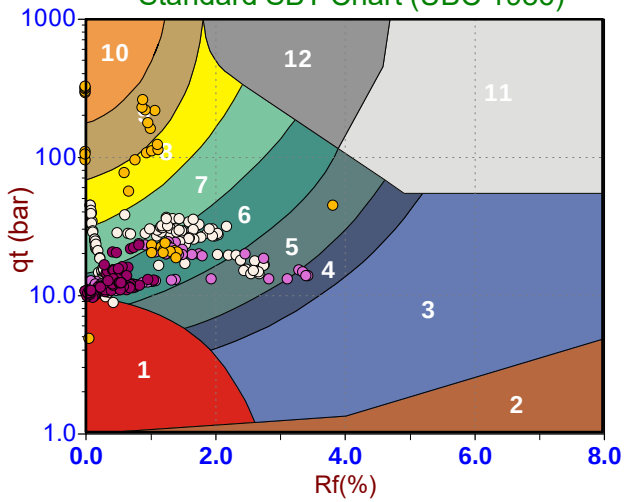
Job No: 21-02-23004
Date: 2022-01-24 22:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-13
Cone: 726:T1500F15U35

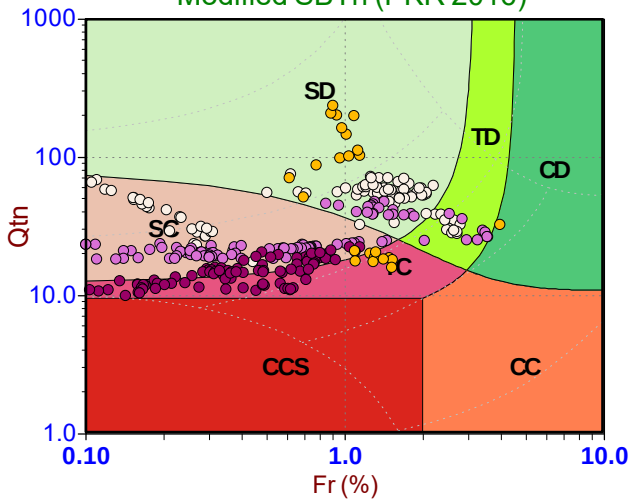
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

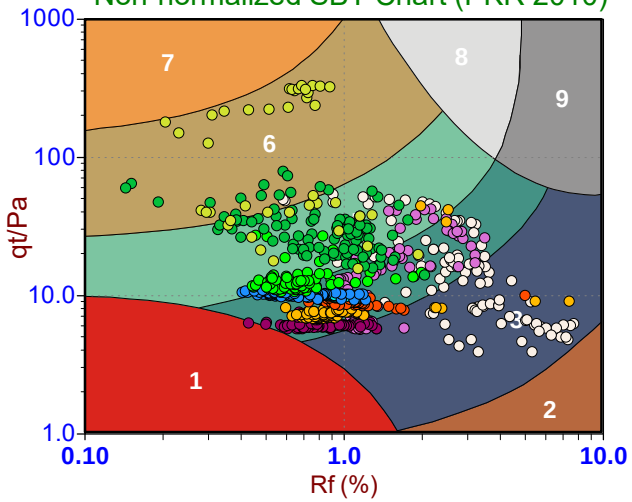
CONETEC

Canada Nickel Company

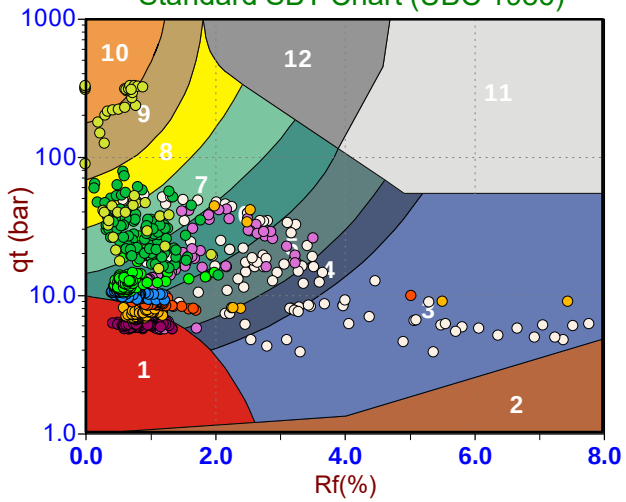
Job No: 21-02-23004
Date: 2021-10-21 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35

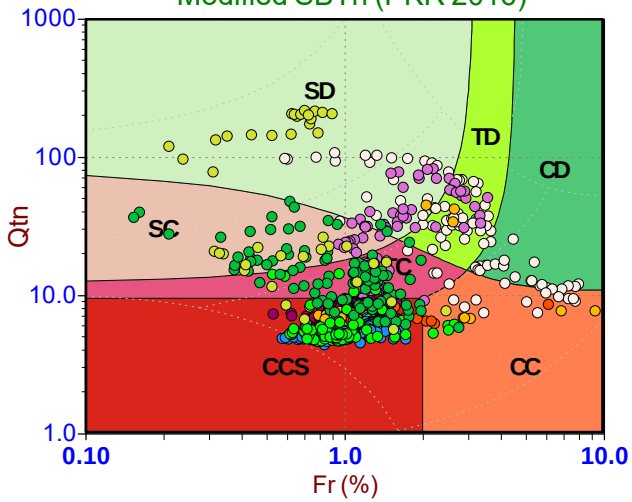
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

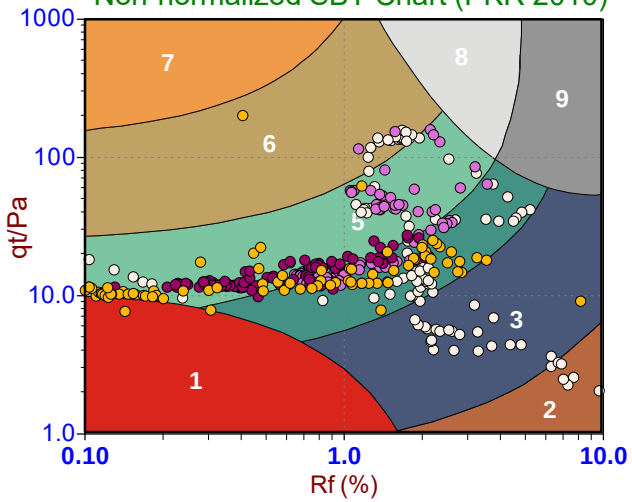
CONETEC

Canada Nickel Company

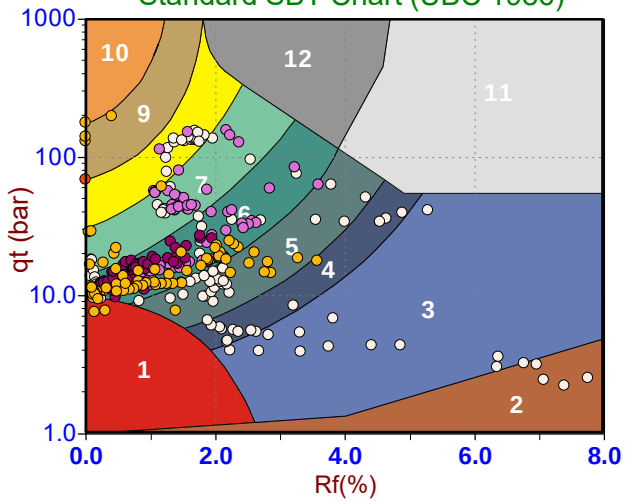
Job No: 21-02-23004
Date: 2022-02-10 07:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-15
Cone: 728:T1500F15U35

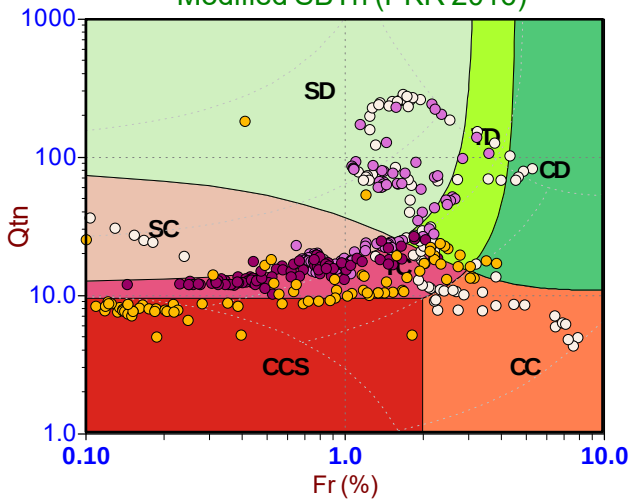
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

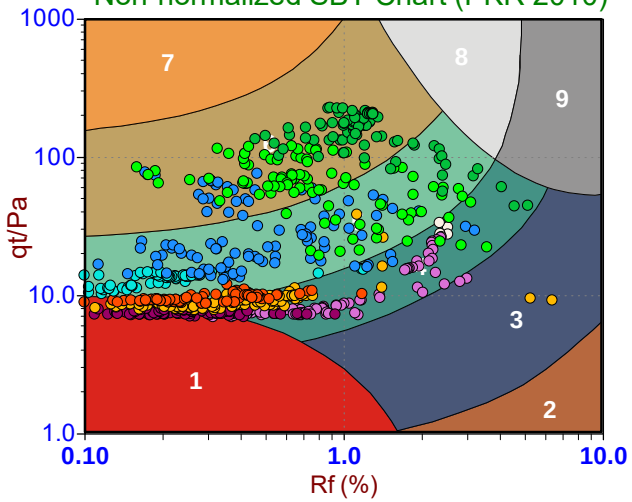
CONETEC

Canada Nickel Company

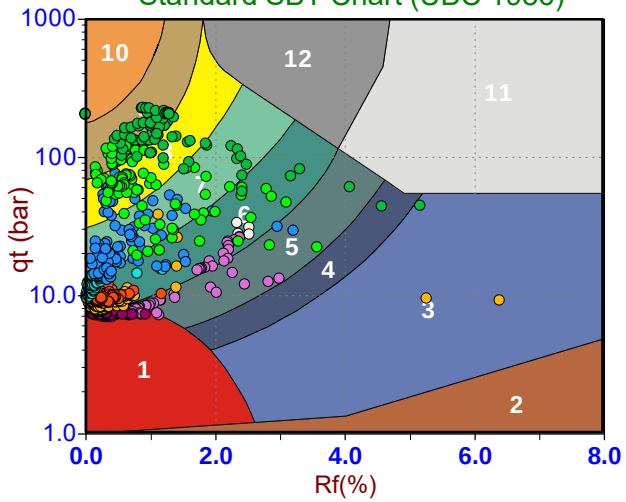
Job No: 21-02-23004
Date: 2022-03-10 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35

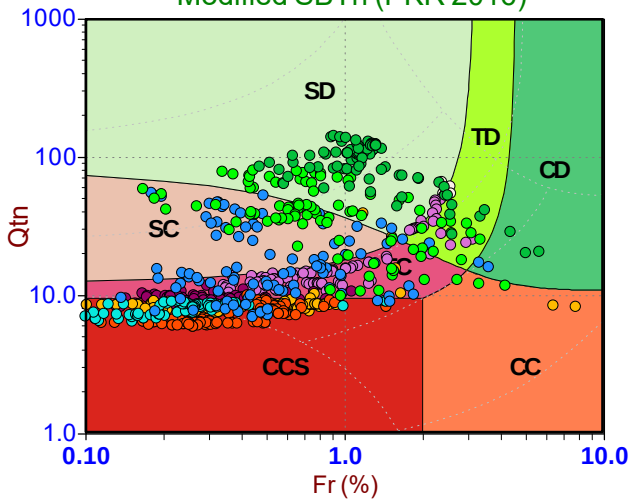
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

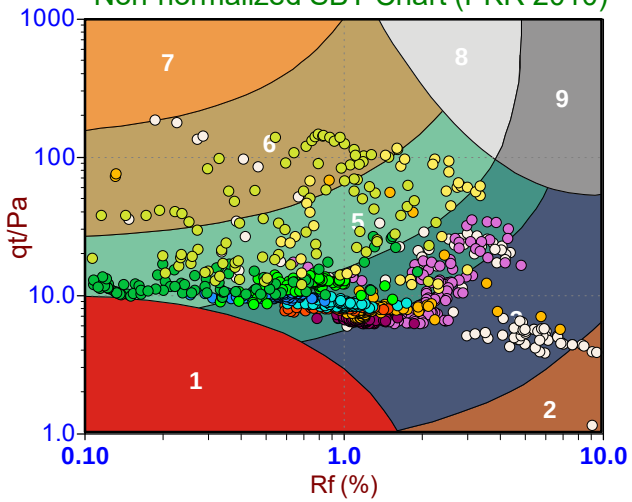
CONETEC

Canada Nickel Company

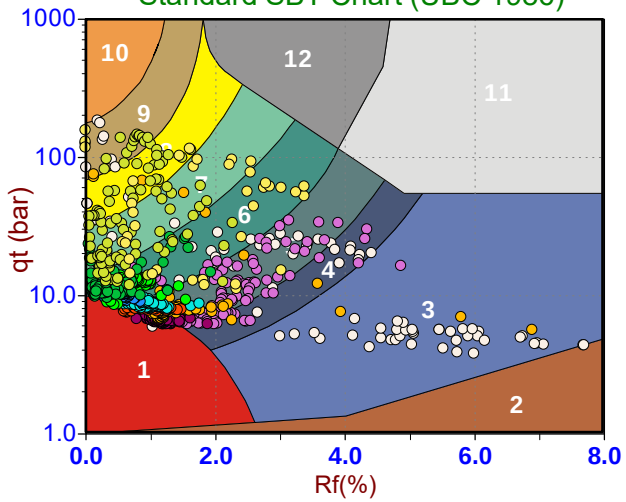
Job No: 21-02-23004
Date: 2022-02-02 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35

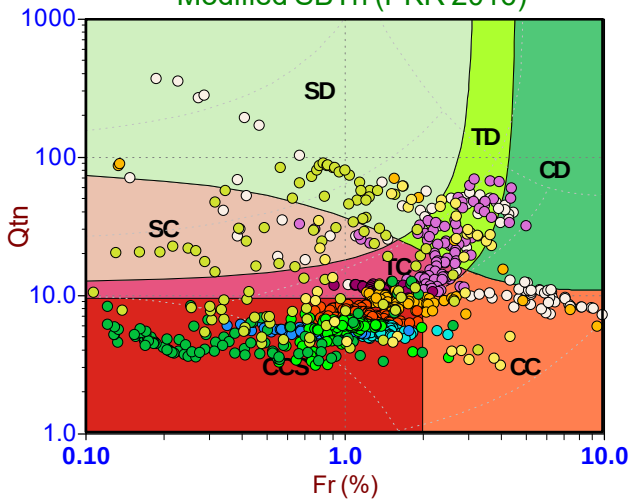
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

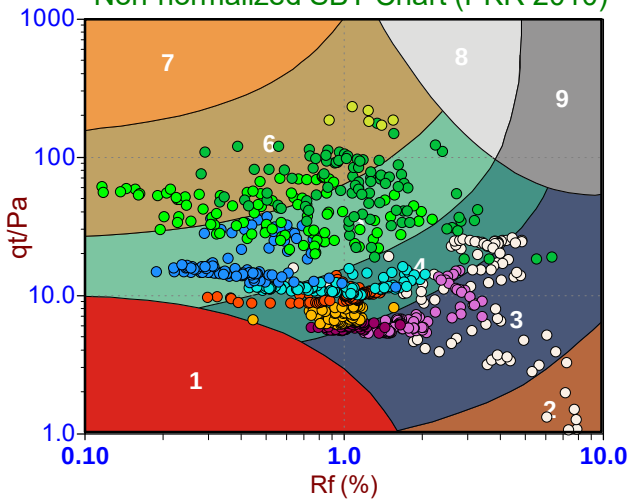
CONETEC

Canada Nickel Company

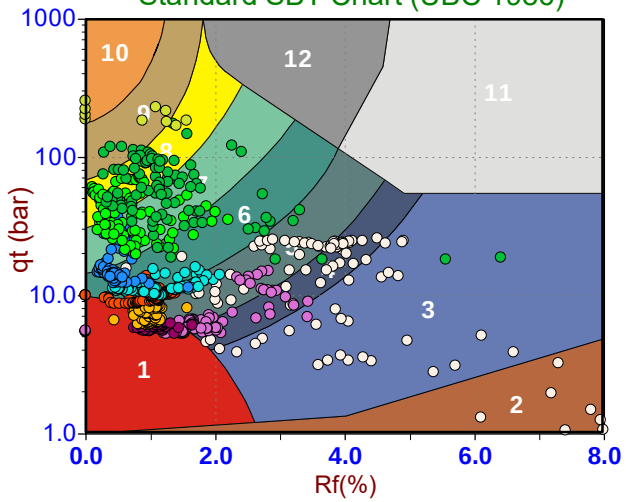
Job No: 21-02-23004
Date: 2022-03-25 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35

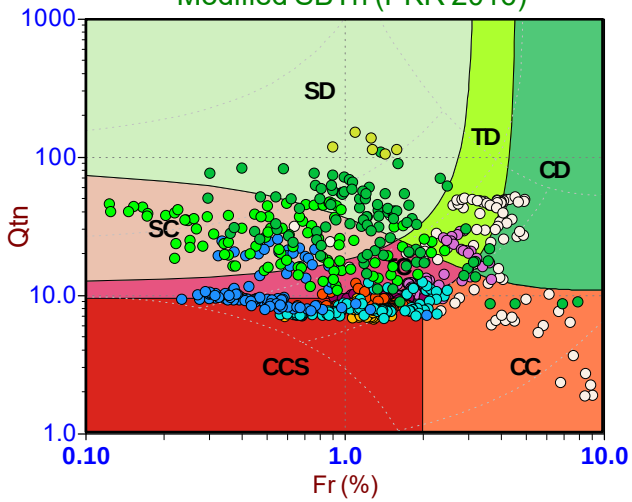
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

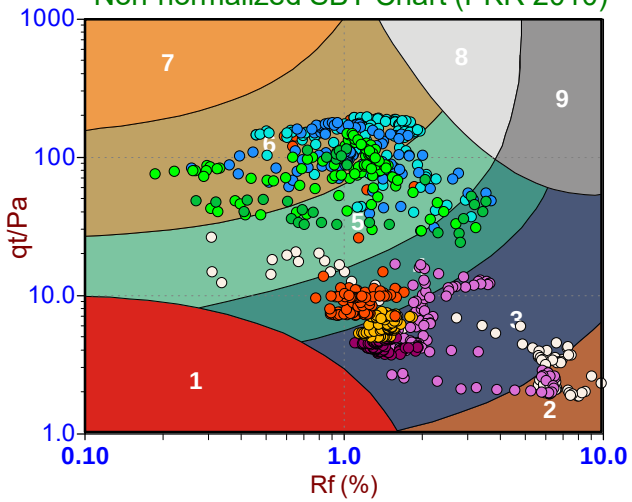
CONETEC

Canada Nickel Company

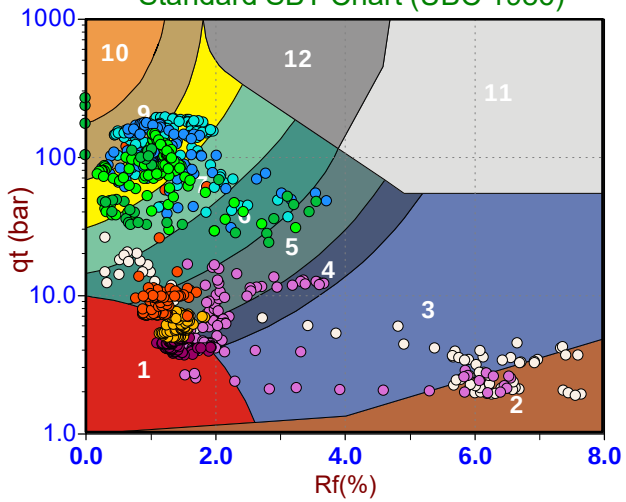
Job No: 21-02-23004
Date: 2022-03-23 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35

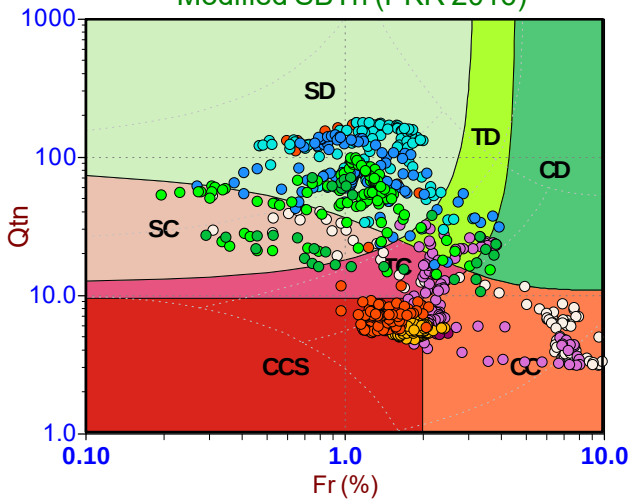
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

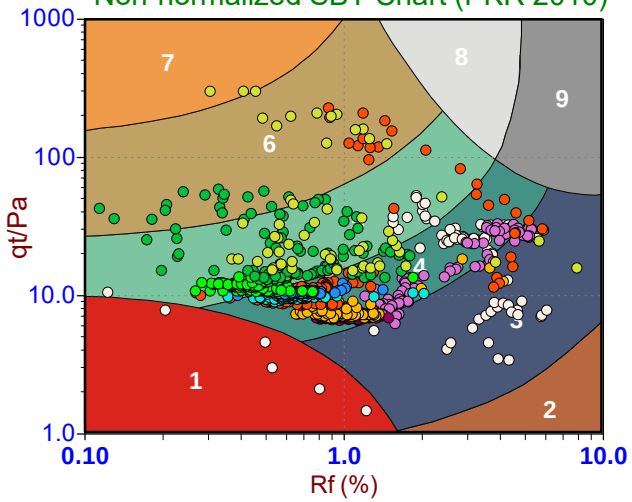
CONETEC

Canada Nickel Company

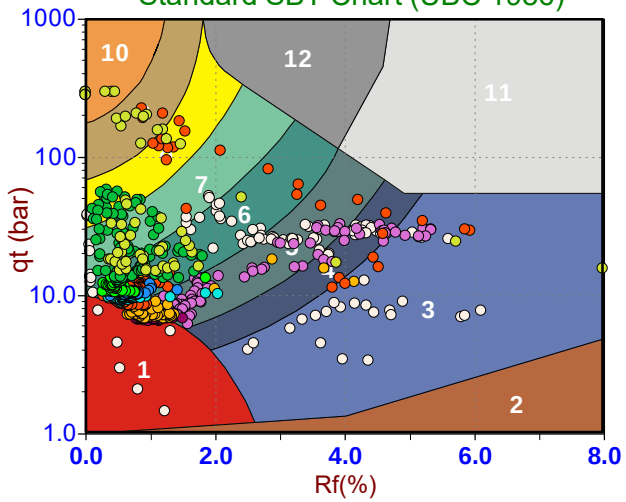
Job No: 21-02-23004
Date: 2022-03-18 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35

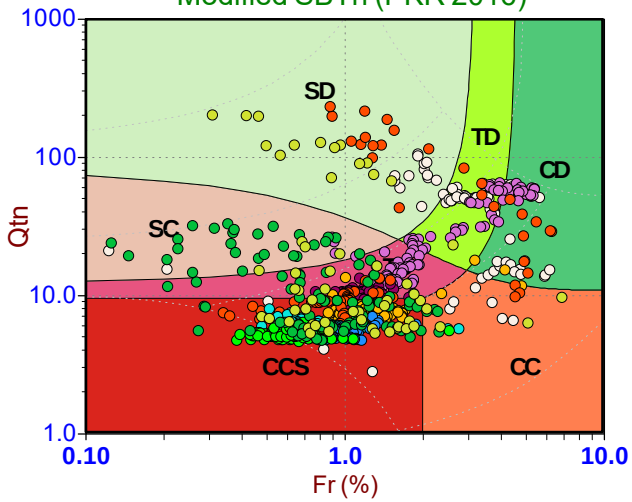
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

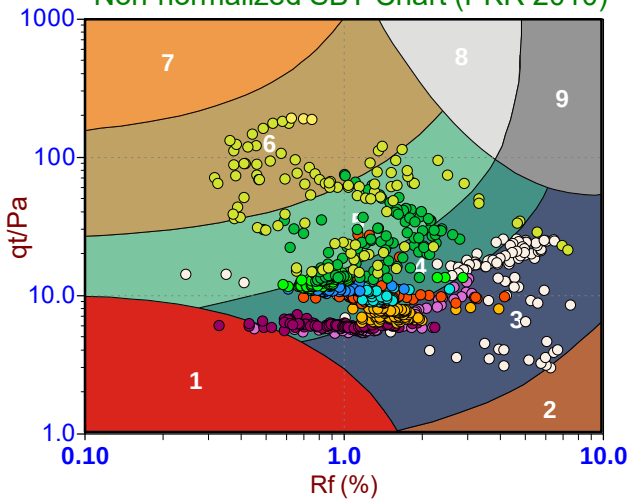
CONETEC

Canada Nickel Company

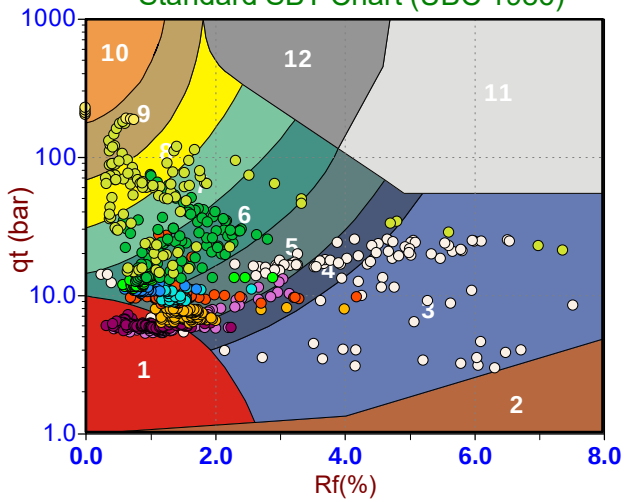
Job No: 21-02-23004
Date: 2022-03-16 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35

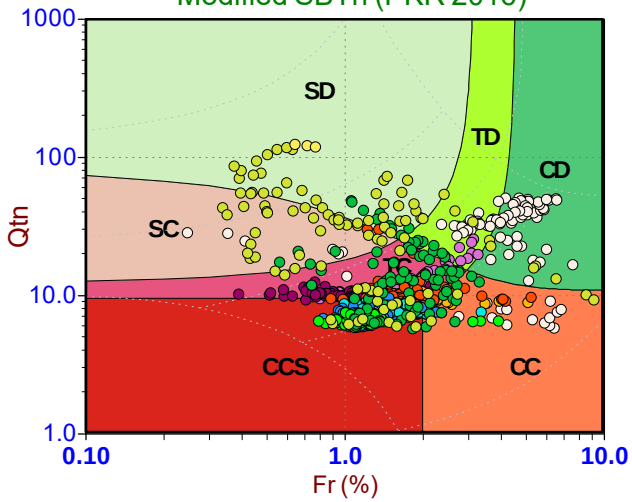
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

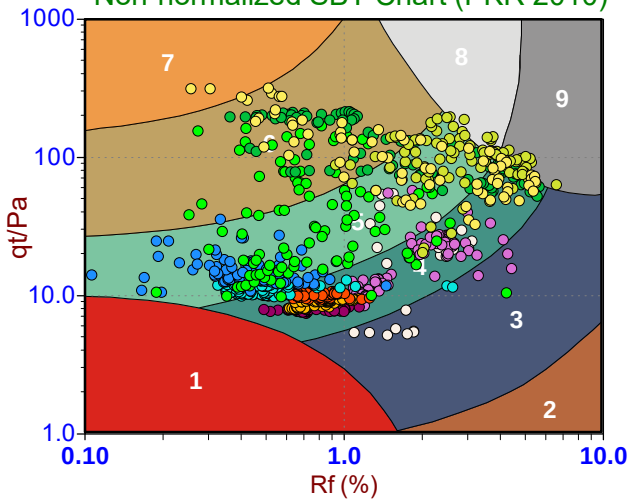
CONETEC

Canada Nickel Company

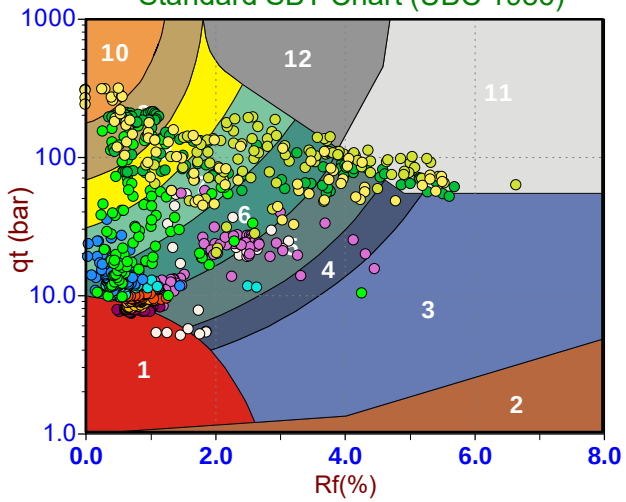
Job No: 21-02-23004
Date: 2021-11-27 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35

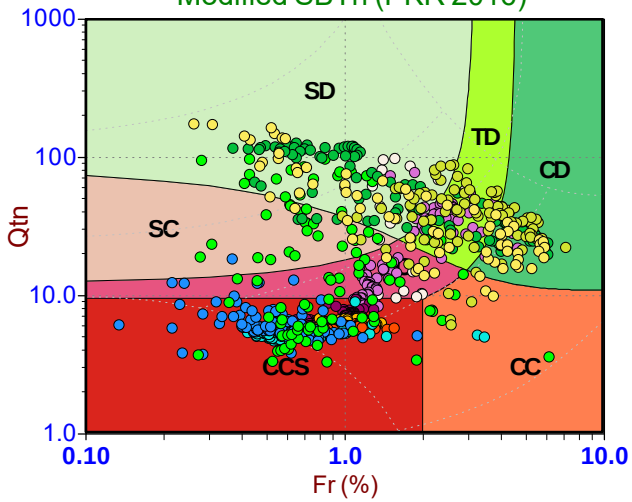
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

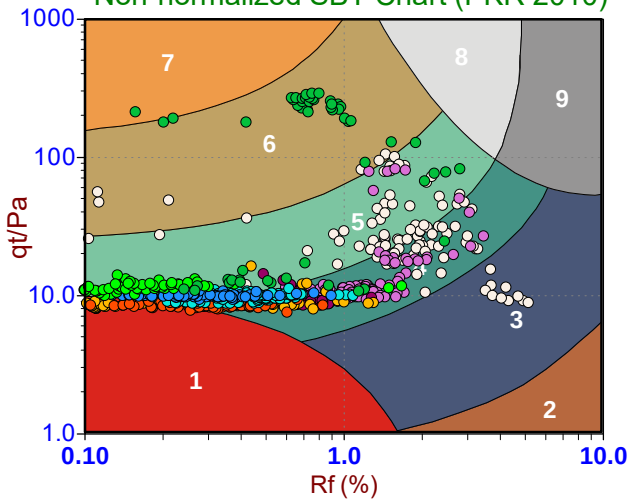
CONETEC

Canada Nickel Company

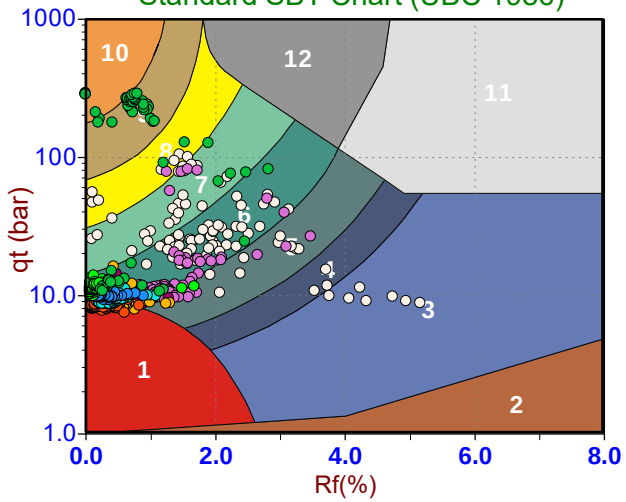
Job No: 21-02-23004
Date: 2022-02-28 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35

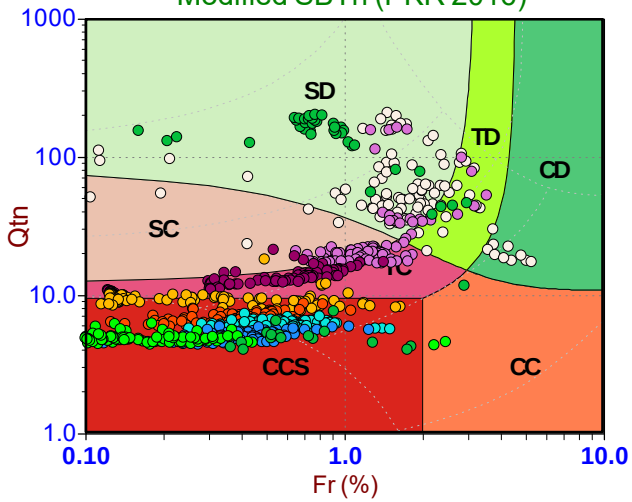
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

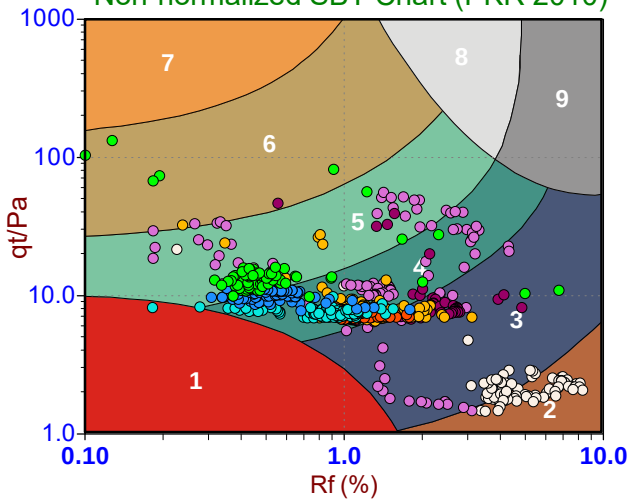
CONETEC

Canada Nickel Company

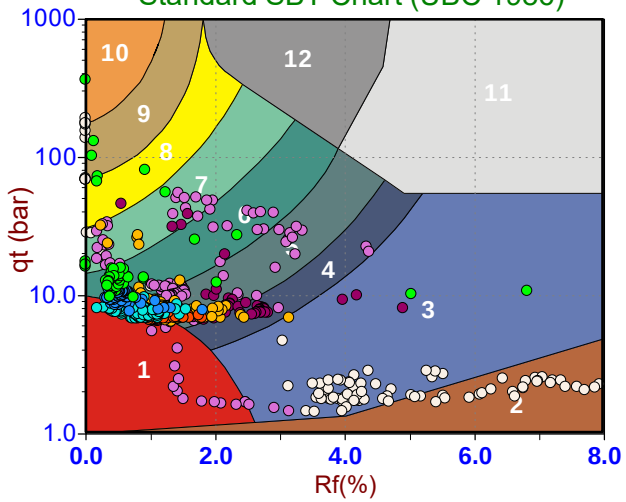
Job No: 21-02-23004
Date: 2022-01-08 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35

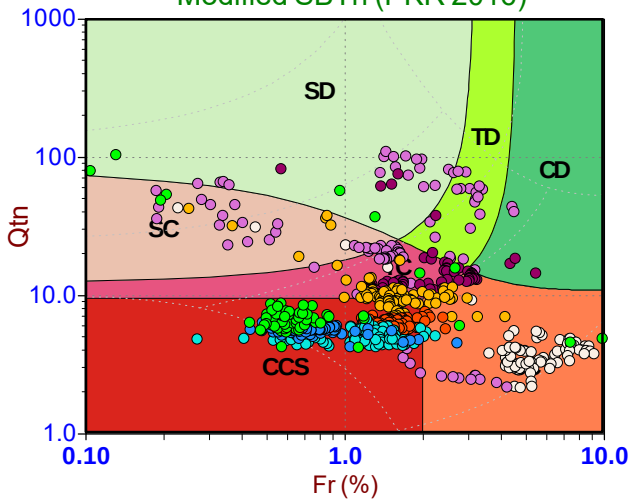
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

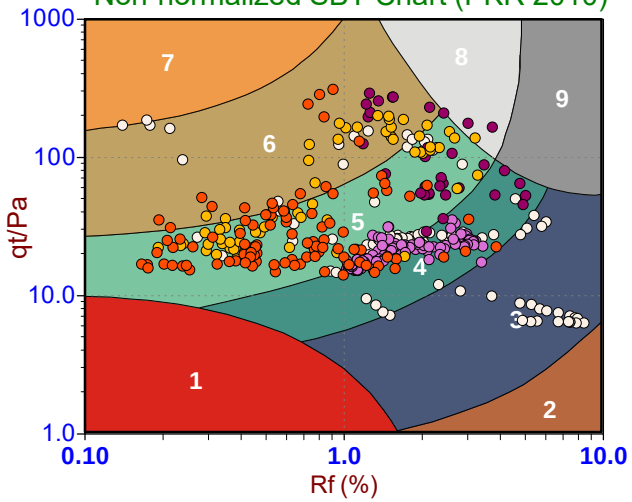
CONETEC

Canada Nickel Company

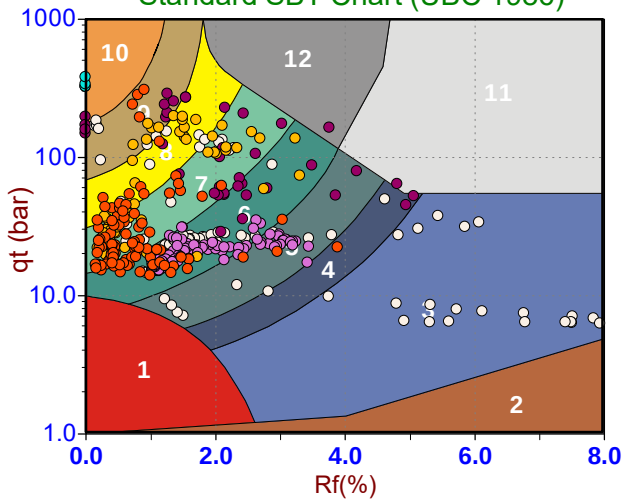
Job No: 21-02-23004
Date: 2022-02-12 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35

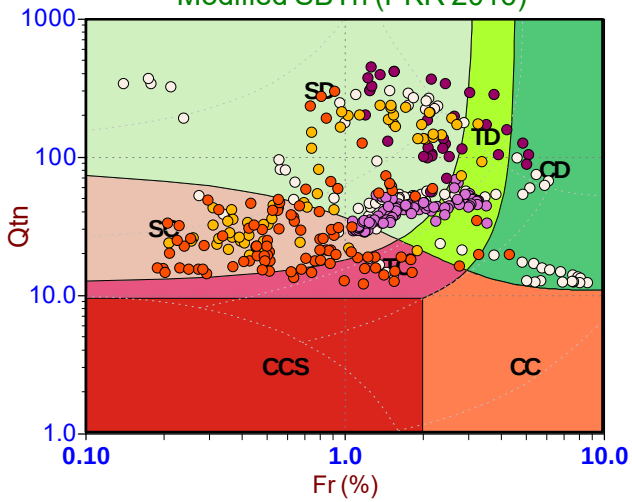
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

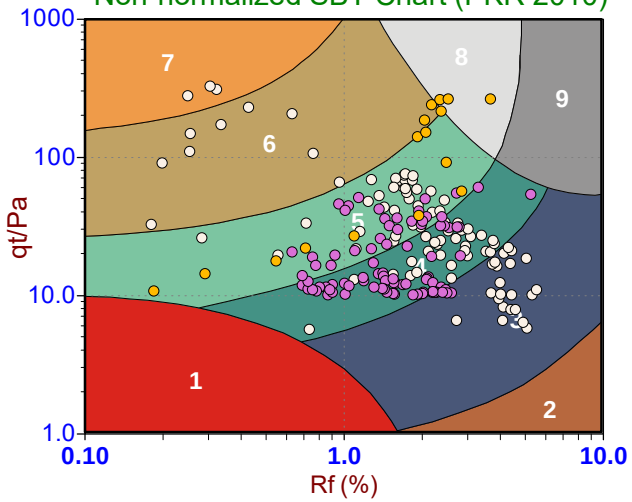
CONETEC

Canada Nickel Company

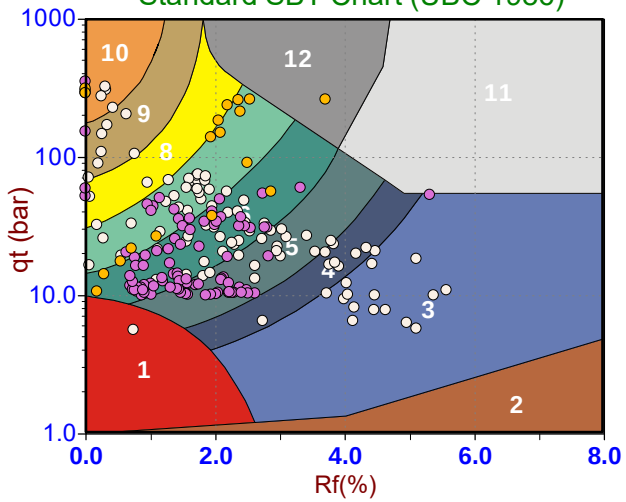
Job No: 21-02-23004
Date: 2022-02-16 09:28
Site: Crawford Mine

Sounding: SRK-WRD-CPT-15
Cone: 728:T1500F15U35

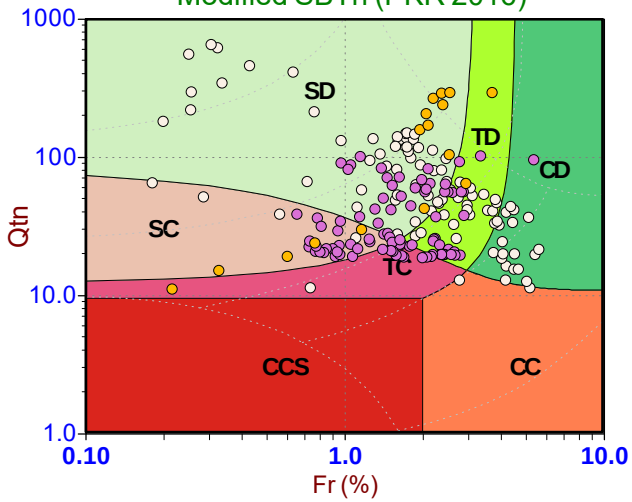
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

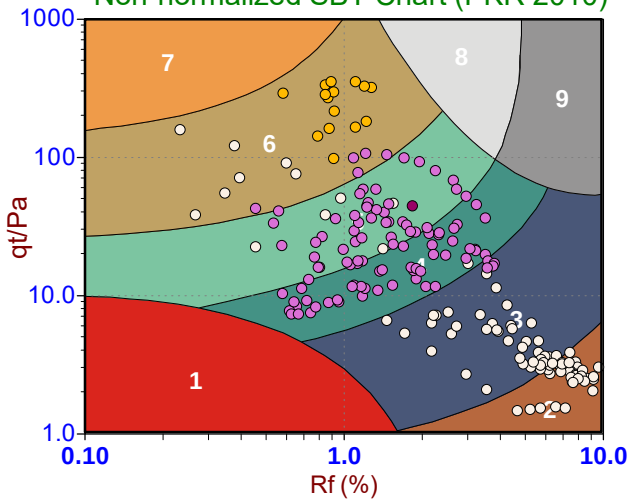
CONETEC

Canada Nickel Company

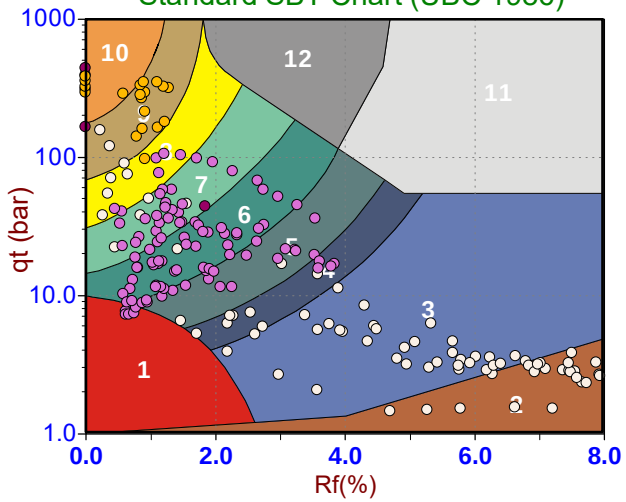
Job No: 21-02-23004
Date: 2022-02-14 09:02
Site: Crawford Mine

Sounding: SRK-WRD-CPT-16
Cone: 728:T1500F15U35

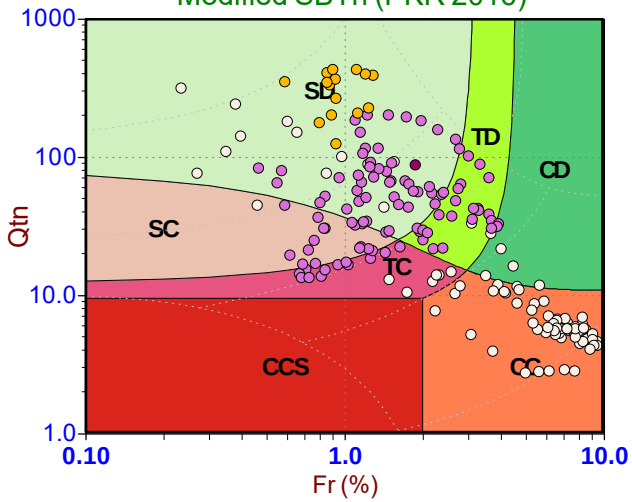
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

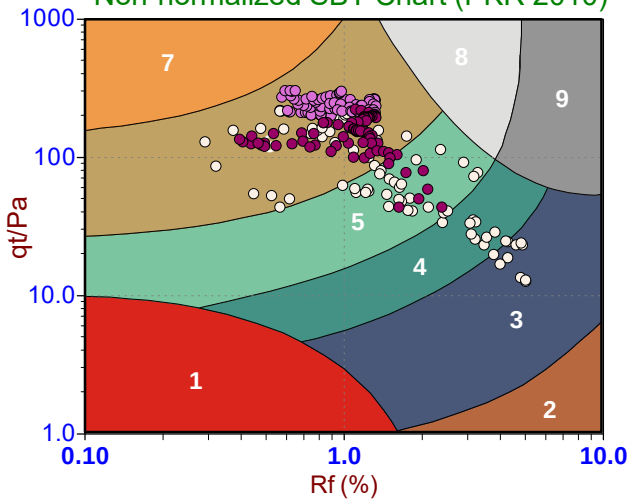
CONETEC

Canada Nickel Company

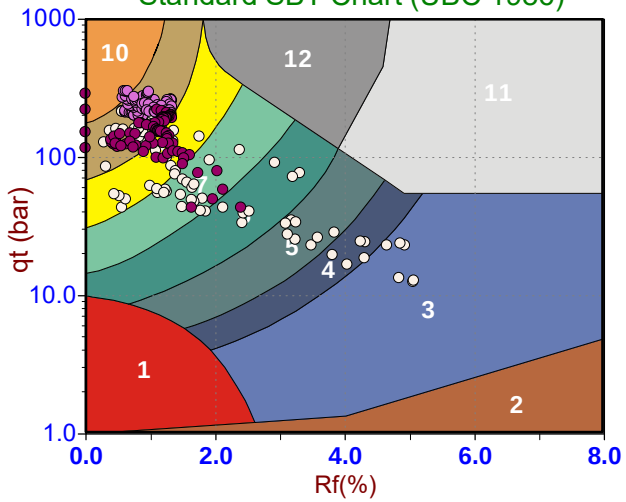
Job No: 21-02-23004
Date: 2021-12-09 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35

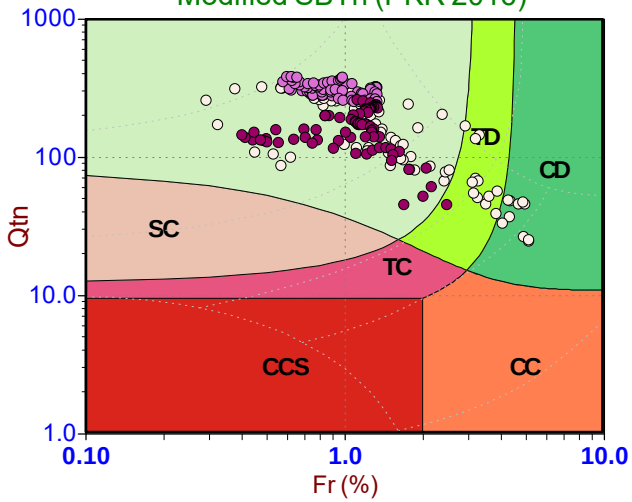
Non-normalized SBT Chart (PKR 2010)



Standard SBT Chart (UBC 1986)



Modified SBTn (PKR 2016)



Depth Ranges

- >0.0 to 2.5 m
- >2.5 to 5.0 m
- >5.0 to 7.5 m
- >7.5 to 10.0 m
- >10.0 to 12.5 m
- >12.5 to 15.0 m
- >15.0 to 17.5 m
- >17.5 to 20.0 m
- >20.0 to 22.5 m
- >22.5 to 25.0 m
- >25.0 m

Legend

- Sensitive, Fine Grained
- Organic Soils
- Clays
- Silt Mixtures
- Sand Mixtures
- Sands
- Gravelly Sand to Sand
- Stiff Sand to Clayey Sand
- Very Stiff Fine Grained

Legend

- Sensitive Fines
- Organic Soil
- Clay
- Silty Clay
- Clayey Silt
- Silt
- Sandy Silt
- Silty Sand/Sand
- Sand
- Gravelly Sand
- Stiff Fine Grained
- Cemented Sand

Legend

- CCS (Cont. sensitive clay like)
- CC (Cont. clay like)
- TC (Cont. transitional)
- SC (Cont. sand like)
- CD (Dil. clay like)
- TD (Dil. transitional)
- SD (Dil. sand like)

Pore Pressure Dissipation Summary and Pore Pressure Dissipation Plots

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-HG-CPT-01	21-02-23004_SPHG01	15	16440	5.000	Not Achieved			0.7	24.2	18.6	27.8				
SRK-HG-CPT-01	21-02-23004_SPHG01	15	8400	10.000	Not Achieved			0.7	42.9	29.1	41.1				
SRK-HG-CPT-01	21-02-23004_SPHG01	15	6960	15.000	Not Achieved	14.3		0.7	59.5	35.1	54.1	5815	100	0.12	
SRK-HG-CPT-01	21-02-23004_SPHG01	15	3780	20.000	Not Achieved	19.3		0.7	65.4	21.8	94.6	322	100	2.18	
SRK-HG-CPT-01	21-02-23004_SPHG01	15	535	25.000	24.3		0.7		25.7	24.3					
SRK-HG-CPT-01	21-02-23004_SPHG01	15	410	25.325	24.6		0.7		24.9	24.6					
SRK-HG-CPT-03	21-02-23004_SPHG03	15	3600	5.000	Not Achieved			0.4	29.7	24.0	22.7				
SRK-HG-CPT-03	21-02-23004_SPHG03	15	10740	10.000	Not Achieved			0.4	43.5	27.9	46.1				
SRK-HG-CPT-03	21-02-23004_SPHG03	15	9900	15.000	Not Achieved	14.6		0.4	62.6	37.0	53.3	8484	100	0.08	
SRK-HG-CPT-03	21-02-23004_SPHG03	15	5880	20.000	Not Achieved	19.6		0.4	68.8	32.4	74.0	2241	100	0.31	
SRK-HG-CPT-03	21-02-23004_SPHG03	15	600	25.000	24.6		0.4		57.0	24.8					
SRK-HG-CPT-03	21-02-23004_SPHG03	15	6000	28.050	27.7		0.4		29.0	27.5					
SRK-LG-CPT-01B	21-02-23004_SPLG01B	15	9360	5.000	Not Achieved	5.4		-0.4	35.2	16.6	62.4	6070	100	0.12	
SRK-LG-CPT-01B	21-02-23004_SPLG01B	15	9360	10.000	Not Achieved	10.4		-0.4	44.0	24.7	57.4	6336	100	0.11	
SRK-LG-CPT-01B	21-02-23004_SPLG01B	15	9660	15.000	Not Achieved	15.4		-0.4	56.4	33.0	57.0	6657	100	0.11	
SRK-LG-CPT-01B	21-02-23004_SPLG01B	15	5640	20.000	Not Achieved	20.4		-0.4	70.0	27.5	85.7	906	100	0.77	
SRK-LG-CPT-01B	21-02-23004_SPLG01B	15	2400	22.875	23.3		-0.4		31.7	23.2					
SRK-LG-CPT-02	21-02-23004_SPLG02	15	13320	5.000	Not Achieved	5.0		0.0	35.6	18.4	56.2	9319	100	0.08	8
SRK-LG-CPT-02	21-02-23004_SPLG02	15	15180	10.000	Not Achieved	10.0		0.0	47.9	22.3	67.5	5840	100	0.12	
SRK-LG-CPT-02	21-02-23004_SPLG02	15	8640	15.000	Not Achieved	15.0		0.0	66.6	37.7	56.0	5954	100	0.12	
SRK-LG-CPT-02	21-02-23004_SPLG02	15	4680	20.000	Not Achieved	20.0		0.0	77.1	36.3	71.5	1669	100	0.42	
SRK-LG-CPT-02	21-02-23004_SPLG02	15	3960	25.000	Not Achieved	25.0		0.0	61.2	28.3	90.9	298	100	2.36	
SRK-LG-CPT-02	21-02-23004_SPLG02	15	7980	30.000	Not Achieved	30.0		0.0	66.3	33.0	91.7	180	100	3.90	
SRK-LG-CPT-02	21-02-23004_SPLG02	15	880	31.325	Not Achieved			0.0	51.6	32.9	92.2				
SRK-LG-CPT-03	21-02-23004_SPLG03	15	14400	5.000	Not Achieved	4.9		0.1	44.1	21.3	58.1	8556	100	0.08	
SRK-LG-CPT-03	21-02-23004_SPLG03	15	8640	10.000	Not Achieved	9.9		0.1	48.1	25.7	58.6	5333	100	0.13	
SRK-LG-CPT-03	21-02-23004_SPLG03	15	50759	15.000	Not Achieved	14.9		0.1	63.5	18.2	93.2	2840	100	0.25	
SRK-LG-CPT-03	21-02-23004_SPLG03	15	1000	20.000	Not Achieved	19.9		0.1	58.6	26.4	83.2	197	100	3.56	
SRK-LG-CPT-03	21-02-23004_SPLG03	15	595	21.200	Not Achieved	21.1		0.1	59.7	31.3	73.5	200	100	3.51	
SRK-LG-CPT-05	21-02-23004_SPLG05	15	9420	5.000	Not Achieved	4.0		1.0	32.7	17.1	54.4	8228	100	0.09	
SRK-LG-CPT-05	21-02-23004_SPLG05	15	6873	10.000	Not Achieved	9.0		1.0	40.5	18.9	68.6	2686	100	0.26	3
SRK-LG-CPT-05	21-02-23004_SPLG05	15	565	14.350	Not Achieved				19.0	14.7					

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-LG-CPT-06	21-02-23004_SPLG06	15	14520	5.000	Not Achieved			-0.2	31.6	19.8	44.8				
SRK-LG-CPT-06	21-02-23004_SPLG06	15	10200	10.000	Not Achieved			-0.2	28.0	15.8	68.7				
SRK-LG-CPT-06	21-02-23004_SPLG06	15	650	10.500	10.7		-0.2		11.7	10.8					
SRK-LGS-CPT-01	21-02-23004_SPLGS01	15	565	1.000	Not Achieved				-1.3	-1.7					
SRK-LGS-CPT-01	21-02-23004_SPLGS01	15	1100	3.000	Not Achieved	2.1		0.9	39.3	14.9	65.6	654	100	1.07	
SRK-LGS-CPT-01	21-02-23004_SPLGS01	15	5100	5.000	Not Achieved			0.9	80.6	42.6	49.7				
SRK-LGS-CPT-05	21-02-23004_SPLGS05	15	2640	5.000	Not Achieved	4.1		0.9	35.1	17.5	56.8	1927	100	0.36	
SRK-LGS-CPT-05	21-02-23004_SPLGS05	15	8040	10.000	Not Achieved			0.9	46.0	29.1	45.8				
SRK-LGS-CPT-05	21-02-23004_SPLGS05	15	3150	15.000	Not Achieved			0.9	61.9	45.4	34.5				
SRK-LGS-CPT-05	21-02-23004_SPLGS05	15	4620	20.000	Not Achieved	19.1		0.9	69.4	32.9	72.6	1764	100	0.40	
SRK-LGS-CPT-05	21-02-23004_SPLGS05	15	2340	25.000	Not Achieved	24.1		0.9	35.0	25.3	89.0	67	100	10.43	
SRK-LGS-CPT-05	21-02-23004_SPLGS05	15	700	27.350	Not Achieved				27.9	27.4					
SRK-NWR-CPT-01	21-02-23004_SPNWR01	15	10440	5.000	Not Achieved	1.1		3.9	46.9	23.9	50.3	10291	100	0.07	
SRK-NWR-CPT-01	21-02-23004_SPNWR01	15	8040	10.000	Not Achieved			3.9	55.9	31.1	49.8				
SRK-NWR-CPT-01	21-02-23004_SPNWR01	15	1830	15.000	Not Achieved	11.1		3.9	65.4	37.5	51.4	1719	100	0.41	
SRK-NWR-CPT-01	21-02-23004_SPNWR01	15	1310	19.650	15.8		3.9		18.8	15.7					
SRK-NWR-CPT-01	21-02-23004_SPNWR01	15	510	22.400	18.5		3.9		25.0	18.4					
SRK-NWR-CPT-07	21-02-23004_SPNWR07	15	940	2.300	0.4		1.9		0.4	0.4					
SRK-NWR-CPT-07B	21-02-23004_SPNWR07B	15	335	2.300	0.4		1.9		3.1	0.4					
SRK-OP-CPT-01	21-02-23004_SP01	15	455	1.000	Not Achieved				1.8	1.8					
SRK-OP-CPT-01C	21-02-23004_SP01C	15	11340	5.050	Not Achieved				38.2	22.7					
SRK-OP-CPT-01C	21-02-23004_SP01C	15	4380	6.475	Not Achieved			5.2	49.7	28.5	43.8				
SRK-OP-CPT-01C	21-02-23004_SP01C	15	5520	10.000	Not Achieved			5.2	61.2	33.6	49.0				
SRK-OP-CPT-01C	21-02-23004_SP01C	15	2520	15.000	Not Achieved	9.8		5.2	68.3	35.7	55.7	1970	100	0.36	
SRK-OP-CPT-01C	21-02-23004_SP01C	15	620	16.000	Not Achieved			5.2	75.3	56.0	29.9				
SRK-OP-CPT-01C	21-02-23004_SP01C	15	365	18.025	12.8		5.2		13.9	12.8					
SRK-OP-CPT-02	21-02-23004_SP02	15	8340	5.000	Not Achieved			3.5	46.0	27.5	41.6				
SRK-OP-CPT-02	21-02-23004_SP02	15	1240	10.000	Not Achieved	6.5		3.5	36.4	21.3	50.5	1151	100	0.61	
SRK-OP-CPT-02	21-02-23004_SP02	15	970	11.775	8.3		3.5		35.4	8.1					
SRK-OP-CPT-03	21-02-23004_CP03	15	7260	5.000	Not Achieved	3.6		1.4	16.5	7.7	68.1	2675	100	0.26	
SRK-OP-CPT-03	21-02-23004_CP03	15	650	7.075	Not Achieved				21.0	11.7					
SRK-OP-CPT-03	21-02-23004_CP03	15	525	7.550	6.1		1.4		7.9	5.9					

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-OP-CPT-03	21-02-23004_CP03	15	300	9.100	Not Achieved				-1.9	-1.9					
SRK-OP-CPT-04	21-02-23004_CP04	15	2340	3.075	2.9		0.1		6.5	3.1					
SRK-OP-CPT-04	21-02-23004_CP04	15	8100	5.000	Not Achieved			2.2	44.3	23.9	49.2				
SRK-OP-CPT-04	21-02-23004_CP04	15	1980	9.575	2.4		7.2		26.8	2.3					
SRK-OP-CPT-05	21-02-23004_SP05	15	6780	5.000	Not Achieved				60.0	48.2					
SRK-OP-CPT-05	21-02-23004_SP05	15	1220	5.650	Not Achieved				-0.4	-2.9					
SRK-OP-CPT-05B	21-02-23004_SP05B	15	8760	5.000	Not Achieved			0.9	47.6	27.3	46.6				
SRK-OP-CPT-05B	21-02-23004_SP05B	15	1060	6.200	5.3		0.9		5.1	5.1					
SRK-OP-CPT-06	21-02-23004_SP06	15	7440	5.000	Not Achieved			3.5	40.4	25.8	37.6				
SRK-OP-CPT-06	21-02-23004_SP06	15	6660	10.500	Not Achieved			3.5	56.6	35.7	42.1				
SRK-OP-CPT-06	21-02-23004_SP06	15	7620	15.000	Not Achieved			3.5	74.2	42.9	49.9				
SRK-OP-CPT-06	21-02-23004_SP06	15	7380	20.000	Not Achieved	16.5		3.5	85.0	41.5	63.5	3952	100	0.18	
SRK-OP-CPT-06	21-02-23004_SP06	15	8160	25.000	Not Achieved	21.5		3.5	97.4	25.5	94.7	747	100	0.94	
SRK-OP-CPT-06	21-02-23004_SP06	15	1590	27.425	23.9		3.5		38.1	23.9					
SRK-OP-CPT-08	21-02-23004_SP08	15	5520	5.000	Not Achieved			0.4	42.6	27.9	38.7				
SRK-OP-CPT-08	21-02-23004_SP08	15	8580	10.000	Not Achieved	9.6		0.4	44.8	26.4	52.3	7574	100	0.09	
SRK-OP-CPT-08	21-02-23004_SP08	15	6120	15.000	Not Achieved	14.6		0.4	56.4	28.5	66.7	3009	100	0.23	
SRK-OP-CPT-08	21-02-23004_SP08	15	3600	20.000	Not Achieved	19.6		0.4	70.0	22.5	94.3	544	100	1.29	
SRK-OP-CPT-08	21-02-23004_SP08	15	1390	24.275	23.9		0.4		24.3	23.9					
SRK-OP-CPT-09	21-02-23004_SP09	15	7140	5.000	Not Achieved			1.2	42.4	28.6	35.8				
SRK-OP-CPT-09	21-02-23004_SP09	15	7560	10.000	Not Achieved			1.2	51.5	33.8	41.5				
SRK-OP-CPT-09	21-02-23004_SP09	15	7200	15.500	Not Achieved			1.2	65.8	41.3	47.5				
SRK-OP-CPT-09	21-02-23004_SP09	15	7140	20.075	Not Achieved	18.8		1.2	74.1	31.1	77.8	2039	100	0.34	
SRK-OP-CPT-09	21-02-23004_SP09	15	7320	25.000	Not Achieved	23.8		1.2	81.9	26.6	95.1	399	100	1.76	
SRK-OP-CPT-09	21-02-23004_SP09	15	1160	28.925	27.7		1.2		36.2	27.7					
SRK-OP-CPT-10	21-02-23004_CP10	15	7560	5.000	Not Achieved				40.5	28.5					
SRK-OP-CPT-10	21-02-23004_CP10	15	2940	10.000	Not Achieved			5.5	59.1	43.6	28.4				
SRK-OP-CPT-10	21-02-23004_CP10	15	1800	12.925	Not Achieved			5.5	57.9	50.8	14.1				
SRK-OP-CPT-10B	21-02-23004_CP10B	15	2370	15.000	Not Achieved			5.5	80.1	58.7	30.3				
SRK-OP-CPT-10B	21-02-23004_CP10B	15	2070	20.000	Not Achieved			5.5	90.3	54.7	47.0				
SRK-OP-CPT-10B	21-02-23004_CP10B	15	380	28.375	22.8		5.5		23.9	22.8					
SRK-OP-CPT-11	21-02-23004_CP11	15	330	5.000	Not Achieved				34.7	33.4					

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-OP-CPT-11	21-02-23004_CP11	15	595	10.000	Not Achieved				45.6	41.1					
SRK-OP-CPT-11	21-02-23004_CP11	15	2130	14.275	7.2		7.1		7.6	7.1					
SRK-OP-CPT-11B	21-02-23004_CP11B	15	6600	5.000	Not Achieved				38.4	27.1					
SRK-OP-CPT-11B	21-02-23004_CP11B	15	3570	10.000	Not Achieved	3.1		6.9	56.9	28.6	52.6	3223	100	0.22	
SRK-OP-CPT-11B	21-02-23004_CP11B	15	360	14.250	7.4		6.9		19.3	7.4					
SRK-OP-CPT-12	21-02-23004_SP12	15	7560	5.000	Not Achieved			2.2	44.4	27.4	40.9				
SRK-OP-CPT-12	21-02-23004_SP12	15	7260	10.000	Not Achieved			2.2	50.7	33.4	40.3				
SRK-OP-CPT-12	21-02-23004_SP12	15	4920	15.000	Not Achieved			2.2	68.1	45.3	41.3				
SRK-OP-CPT-12	21-02-23004_SP12	15	7560	20.000	Not Achieved	17.8		2.2	83.2	48.7	52.8	6564	100	0.11	
SRK-OP-CPT-12	21-02-23004_SP12	15	7500	25.000	Not Achieved	22.8		2.2	97.5	39.0	78.3	2129	100	0.33	
SRK-OP-CPT-12	21-02-23004_SP12	15	7080	30.000	Not Achieved	27.8		2.2	78.5	28.5	98.6	164	100	4.28	
SRK-OP-CPT-12	21-02-23004_SP12	15	830	33.875	31.7		2.2		43.2	31.7					
SRK-OP-CPT-16	21-02-23004_SP16	15	17700	5.000	Not Achieved	4.9		0.1	35.1	18.2	56.0	12665	100	0.06	
SRK-OP-CPT-16	21-02-23004_SP16	15	15480	10.000	Not Achieved	9.9		0.1	48.4	24.7	61.5	10409	100	0.07	
SRK-OP-CPT-16	21-02-23004_SP16	15	7140	14.975	Not Achieved	14.9		0.1	73.4	42.4	53.0	5831	100	0.12	
SRK-OP-CPT-16	21-02-23004_SP16	15	6960	20.025	Not Achieved	19.9		0.1	86.5	34.7	77.8	1695	100	0.41	
SRK-OP-CPT-16	21-02-23004_SP16	15	640	24.925	24.8		0.1		29.0	24.9					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	510	1.600	Not Achieved				3.9	3.7					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	435	2.600	Not Achieved				3.5	1.3					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	560	4.650	0.0		4.7		0.9	0.9					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	850	5.600	0.0		5.6		0.9	0.3					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	550	6.600	0.1		6.5		0.1	0.1					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	2610	7.600	1.1		6.5		1.1	0.8					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	2910	10.000	3.5		6.5		3.7	3.5					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	2130	15.000	8.5		6.5		8.6	8.6					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	2040	20.650	14.1		6.5		14.6	14.0					
SRK-PF-CPT-01	21-02-23004_SPPF01	15	2220	25.625	19.1		6.6		20.8	18.9					
SRK-PF-CPT-02	21-02-23004_SPPF02	15	7019	2.400	Not Achieved				30.7	13.3					
SRK-PF-CPT-02	21-02-23004_SPPF02	15	7679	5.500	Not Achieved	2.2		3.3	43.5	8.1	85.7	1106	100	0.63	
SRK-PF-CPT-02	21-02-23004_SPPF02	15	1860	9.500	6.2		3.3		6.7	6.1					
SRK-PF-CPT-02	21-02-23004_SPPF02	15	1210	14.000	10.7		3.3		11.4	10.6					
SRK-PF-CPT-03	21-02-23004_SPPF03	15	14880	5.000	Not Achieved			-0.1	27.0	16.5	47.9				

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-PF-CPT-03	21-02-23004_SPPF03	15	12840	10.000	Not Achieved			-0.1	42.2	26.8	47.9				6
SRK-PF-CPT-03	21-02-23004_SPPF03	15	10080	15.000	Not Achieved	15.1		-0.1	63.7	35.1	58.9	6700	100	0.10	
SRK-PF-CPT-03	21-02-23004_SPPF03	15	10020	20.000	Not Achieved	20.1		-0.1	82.2	27.4	88.3	1452	100	0.48	
SRK-PF-CPT-03	21-02-23004_SPPF03	15	1300	25.000	Not Achieved			-0.1	60.5	25.6	98.6				
SRK-PF-CPT-03	21-02-23004_SPPF03	15	910	30.100	30.2		-0.1		30.3	30.2					
SRK-PF-CPT-03	21-02-23004_SPPF03	15	1150	34.625	34.7		-0.1		34.6	34.6					
SRK-PF-CPT-04	21-02-23004_SPPF04	15	6780	5.000	Not Achieved			2.3	37.7	21.0	47.7				
SRK-PF-CPT-04	21-02-23004_SPPF04	15	840	10.000	7.7		2.3		7.8	7.6					
SRK-PF-CPT-04	21-02-23004_SPPF04	15	335	15.000	12.6		2.4		12.7	12.7					
SRK-PF-CPT-04	21-02-23004_SPPF04	15	315	25.000	22.7		2.3		22.8	22.7					
SRK-PF-CPT-04	21-02-23004_SPPF04	15	520	30.000	27.7		2.3		27.9	27.8					
SRK-PF-CPT-04	21-02-23004_SPPF04	15	475	35.000	32.7		2.3		32.8	32.8					
SRK-PF-CPT-04	21-02-23004_SPPF04	15	450	40.000	37.8		2.2		38.0	37.8					
SRK-SOS-CPT-02	21-02-23004_SPSOS02	15	13199	5.000	Not Achieved	4.5		0.5	42.4	21.1	56.2	9182	100	0.08	4
SRK-SOS-CPT-02	21-02-23004_SPSOS02	15	7499	10.000	Not Achieved			0.5	57.9	34.8	47.7				5
SRK-SOS-CPT-02	21-02-23004_SPSOS02	15	7619	15.000	Not Achieved	14.5		0.5	75.0	43.5	52.1	6763	100	0.10	
SRK-SOS-CPT-02	21-02-23004_SPSOS02	15	2460	20.000	Not Achieved	19.5		0.5	79.5	43.9	59.3	1646	100	0.43	
SRK-SOS-CPT-02	21-02-23004_SPSOS02	15	1800	25.025	24.5		0.5		68.7	24.5					
SRK-SOS-CPT-02	21-02-23004_SPSOS02	15	860	26.425	25.9		0.5		32.6	25.7					
SRK-TSF-CPT-01	21-02-23004_SPTSF01	15	5400	5.000	Not Achieved			2.9	41.3	25.8	39.5				
SRK-TSF-CPT-01	21-02-23004_SPTSF01	15	9960	10.550	Not Achieved	7.7		2.9	54.7	28.3	56.2	7178	100	0.10	
SRK-TSF-CPT-01	21-02-23004_SPTSF01	15	4260	15.000	Not Achieved	12.2		2.9	63.0	30.3	64.3	2221	100	0.32	
SRK-TSF-CPT-01	21-02-23004_SPTSF01	15	990	18.850	16.0		2.9		23.1	16.0					
SRK-TSF-CPT-01	21-02-23004_SPTSF01	15	595	20.000	17.2		2.8		30.8	17.0					
SRK-TSF-CPT-01	21-02-23004_SPTSF01	15	500	21.025	18.0		3.0		19.2	17.8					
SRK-TSF-CPT-01A	21-02-23004_SPTSF01A	15	3240	3.150	Not Achieved	2.7		0.5	55.3	27.0	53.8	2742	100	0.26	
SRK-TSF-CPT-01A	21-02-23004_SPTSF01A	15	1570	8.000	Not Achieved	7.5		0.5	54.0	25.1	62.2	818	100	0.86	
SRK-TSF-CPT-01A	21-02-23004_SPTSF01A	15	7500	9.525	Not Achieved				8.4	8.4					
SRK-TSF-CPT-03	21-02-23004_SPTSF03	15	22740	5.000	Not Achieved	1.9		3.1	39.6	20.6	50.5	22026	100	0.03	
SRK-TSF-CPT-03	21-02-23004_SPTSF03	15	1950	10.000	6.9		3.1		12.8	6.8					
SRK-TSF-CPT-03	21-02-23004_SPTSF03	15	7860	12.075	Not Achieved				8.5	8.5					
SRK-TSF-CPT-04	21-02-23004_SPTSF04	15	1300	5.000	Not Achieved				35.3	28.8					

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-TSF-CPT-04	21-02-23004_SPTSF04	15	7320	10.000	Not Achieved	10.2		-0.2	67.7	23.0	77.7	1694	100	0.41	
SRK-TSF-CPT-04	21-02-23004_SPTSF04	15	2160	15.000	15.2		-0.2		16.2	15.1					
SRK-TSF-CPT-04	21-02-23004_SPTSF04	15	1890	20.000	20.2		-0.2		29.7	20.1					
SRK-TSF-CPT-06	21-02-23004_CPTSF06	15	7680	5.025	Not Achieved			2.7	37.1	21.6	44.6				
SRK-TSF-CPT-06	21-02-23004_CPTSF06	15	7380	10.000	Not Achieved			2.7	53.7	33.9	42.7				
SRK-TSF-CPT-06	21-02-23004_CPTSF06	15	1860	15.000	Not Achieved	12.3		2.7	64.4	37.9	50.8	1785	100	0.39	
SRK-TSF-CPT-06	21-02-23004_CPTSF06	15	3720	17.850	Not Achieved	15.2		2.7	63.1	17.0	96.2	324	100	2.17	
SRK-TSF-CPT-06	21-02-23004_CPTSF06	15	1890	20.975	Not Achieved			2.7	53.1	19.4	96.8				
SRK-TSF-CPT-06	21-02-23004_CPTSF06	15	430	24.800	22.1		2.7		23.6	22.1					
SRK-TSF-CPT-07	21-02-23004_CPTSF07	15	385	1.575	1.4		0.2		3.0	1.5					
SRK-TSF-CPT-07	21-02-23004_CPTSF07	15	2520	5.975	5.8		0.2		6.0	5.8					
SRK-TSF-CPT-08	21-02-23004_SPTSF08	15	1220	1.275	Not Achieved				20.4	5.3					
SRK-TSF-CPT-08	21-02-23004_SPTSF08	15	6660	5.000	Not Achieved			2.2	41.6	24.6	43.9				
SRK-TSF-CPT-08	21-02-23004_SPTSF08	15	3510	11.000	Not Achieved			2.2	50.1	35.4	35.7				
SRK-TSF-CPT-08	21-02-23004_SPTSF08	15	1530	15.000	12.8		2.2		15.3	12.8					
SRK-TSF-CPT-08	21-02-23004_SPTSF08	15	1230	18.300	16.1		2.2		17.4	16.0					
SRK-TSF-CPT-09	21-02-23004_SPTSF09	15	7980	5.000	Not Achieved			0.5	45.5	31.1	35.2				
SRK-TSF-CPT-09	21-02-23004_SPTSF09	15	6720	9.400	Not Achieved			0.5	39.9	20.6	62.3				
SRK-TSF-CPT-10	21-02-23004_SPTSF10	15	11160	5.025	Not Achieved	2.6		2.5	45.4	22.6	53.2	9095	100	0.08	
SRK-TSF-CPT-10	21-02-23004_SPTSF10	15	2700	10.000	Not Achieved			2.5	62.0	37.5	44.9				
SRK-TSF-CPT-10	21-02-23004_SPTSF10	15	790	15.000	12.5		2.5		28.7	12.4					
SRK-TSF-CPT-10	21-02-23004_SPTSF10	15	8400	18.925	Not Achieved	16.5		2.5	108.7	42.1	72.2	1555	100	0.45	
SRK-TSF-CPT-11	21-02-23004_CPTSF11	15	14520	5.000	Not Achieved			1.1	35.5	22.0	42.7				
SRK-TSF-CPT-11	21-02-23004_CPTSF11	15	15300	10.000	Not Achieved			1.1	47.0	28.6	48.3				
SRK-TSF-CPT-11	21-02-23004_CPTSF11	15	4380	15.000	Not Achieved	13.9		1.1	62.8	30.5	66.1	2009	100	0.35	
SRK-TSF-CPT-11	21-02-23004_CPTSF11	15	2310	20.000	Not Achieved	18.9		1.1	69.3	31.9	74.3	895	100	0.78	
SRK-TSF-CPT-11	21-02-23004_CPTSF11	15	2760	25.000	23.9		1.1		97.2	24.1					
SRK-TSF-CPT-13	21-02-23004_SPTSF13	15	7620	5.000	Not Achieved	4.9		0.1	56.1	27.7	55.5	5232	100	0.13	
SRK-TSF-CPT-13	21-02-23004_SPTSF13	15	1120	8.150	3.4		4.8		64.3	3.0					
SRK-TSF-CPT-14	21-02-23004_SPTSF14	15	7680	5.025	Not Achieved	3.7		1.3	30.2	14.9	57.7	5353	100	0.13	
SRK-TSF-CPT-14	21-02-23004_SPTSF14	15	7320	10.025	Not Achieved			1.3	47.8	30.3	44.8				
SRK-TSF-CPT-14	21-02-23004_SPTSF14	15	2850	15.150	Not Achieved			1.3	63.6	44.9	37.6				

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-TSF-CPT-14	21-02-23004_SPTSF14	15	1730	20.000	Not Achieved	18.7		1.3	69.8	29.0	79.8	482	100	1.46	
SRK-TSF-CPT-14	21-02-23004_SPTSF14	15	390	23.625	22.3		1.3		25.2	22.3					
SRK-TSF-CPT-15	21-02-23004_SPTSF15	15	7680	5.000	Not Achieved			3.3	39.0	30.2	23.6				
SRK-TSF-CPT-15	21-02-23004_SPTSF15	15	7620	10.000	6.7		3.3		18.8	6.8					
SRK-TSF-CPT-17	21-02-23004_SPTSF17	15	14820	5.050	Not Achieved	3.6		1.5	31.5	17.3	50.8	14176	100	0.05	
SRK-TSF-CPT-17	21-02-23004_SPTSF17	15	14459	9.975	Not Achieved	8.5		1.5	50.6	27.8	54.1	11625	100	0.06	
SRK-TSF-CPT-17	21-02-23004_SPTSF17	15	2670	15.000	Not Achieved	13.5		1.5	75.9	29.2	74.9	899	100	0.78	
SRK-TSF-CPT-17	21-02-23004_SPTSF17	15	640	20.000	18.5		1.5		35.2	18.5					
SRK-TSF-CPT-18	21-02-23004_SPTSF18	15	7140	5.000	Not Achieved	5.0		0.0	31.9	17.1	55.1	5612	100	0.13	
SRK-TSF-CPT-18	21-02-23004_SPTSF18	15	7260	10.000	Not Achieved			0.0	46.8	30.5	44.3				
SRK-TSF-CPT-18	21-02-23004_SPTSF18	15	7380	15.000	Not Achieved	15.0		0.0	58.4	32.9	58.7	5047	100	0.14	
SRK-TSF-CPT-18	21-02-23004_SPTSF18	15	7500	20.000	20.0		0.0		61.3	20.0					
SRK-TSF-CPT-18	21-02-23004_SPTSF18	15	3840	25.000	25.1		-0.1		47.4	25.1					
SRK-TSF-CPT-18	21-02-23004_SPTSF18	15	800	25.950	26.6		-0.7		27.0	26.5					
SRK-TSF-CPT-20	21-02-23004_SPTSF20	15	14819	5.000	Not Achieved	4.9		0.1	31.4	16.6	55.9	10955	100	0.06	
SRK-TSF-CPT-20	21-02-23004_SPTSF20	15	20579	9.975	Not Achieved	9.9		0.1	50.6	25.9	60.7	11713	100	0.06	
SRK-TSF-CPT-20	21-02-23004_SPTSF20	15	14819	15.000	Not Achieved	14.9		0.1	75.8	20.6	90.7	1594	100	0.44	
SRK-TSF-CPT-20	21-02-23004_SPTSF20	15	2490	22.725	22.6		0.1		25.6	22.5					
SRK-TSF-CPT-21	21-02-23004_SPTSF21	15	12300	5.000	Not Achieved	2.8		2.2	20.1	9.3	62.5	7096	100	0.10	
SRK-TSF-CPT-21	21-02-23004_SPTSF21	15	7380	10.000	Not Achieved			2.2	44.6	27.7	46.0				
SRK-TSF-CPT-21	21-02-23004_SPTSF21	15	48118	14.000	11.8		2.2		23.2	11.8					7
SRK-TSF-CPT-21	21-02-23004_SPTSF21	15	2550	15.000	12.7		2.3		27.3	12.7					
SRK-TSF-CPT-21	21-02-23004_SPTSF21	15	850	20.000	17.8		2.2		35.6	17.7					
SRK-TSF-CPT-21	21-02-23004_SPTSF21	15	475	20.875	18.5		2.3		19.0	18.4					
SRK-TSF-CPT-23	21-02-23004_SPTSF23	15	15960	5.000	Not Achieved	3.9		1.1	32.8	17.7	52.2	14318	100	0.05	
SRK-TSF-CPT-23	21-02-23004_SPTSF23	15	16980	10.000	Not Achieved	8.9		1.1	22.9	10.0	92.3	250	100	2.80	
SRK-TSF-CPT-23	21-02-23004_SPTSF23	15	7380	15.000	Not Achieved			1.1	58.7	38.5	45.2				
SRK-TSF-CPT-23	21-02-23004_SPTSF23	15	8040	20.025	Not Achieved	18.9		1.1	83.7	38.1	70.4	3261	100	0.22	
SRK-TSF-CPT-23	21-02-23004_SPTSF23	15	22200	24.025	22.9		1.1		24.9	22.9					
SRK-TSF-CPT-29	21-02-23004_CPTSF29	15	14700	5.000	Not Achieved			-0.8	20.0	11.8	57.6				
SRK-TSF-CPT-29	21-02-23004_CPTSF29	15	57298	10.000	Not Achieved	10.8		-0.8	50.5	18.1	81.6	11121	100	0.06	
SRK-TSF-CPT-29	21-02-23004_CPTSF29	15	8760	15.000	Not Achieved	15.8		-0.8	77.8	41.1	59.2	5659	100	0.12	

Job No:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	08-Oct-2021
End Date:	26-Mar-2022

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (m)	Estimated Equilibrium Pore Pressure U_{eq} (m)	Assumed Equilibrium Pore Pressure U_{eq} (m)	Calculated Phreatic Surface (m)	Estimated Phreatic Surface (m)	U_{max} (m)	U_{final} (m)	% Dissipation	t_{50} [1] (s)	Assumed Rigidity Index (I_r)	c_h [2] (cm^2/min)	Refer to Notation Number
SRK-TSF-CPT-29	21-02-23004_CPTSF29	15	7860	20.000	Not Achieved	20.8		-0.8	90.8	33.8	81.4	1848	100	0.38	
SRK-TSF-CPT-29	21-02-23004_CPTSF29	15	1920	25.000	25.8		-0.8		32.9	25.7					
SRK-TSF-CPT-102	21-02-23004_SPTSF102	15	10500	5.000	Not Achieved				36.0	18.8					
SRK-TSF-CPT-102	21-02-23004_SPTSF102	15	8580	10.000	Not Achieved			5.1	53.5	31.1	46.1				
SRK-TSF-CPT-102	21-02-23004_SPTSF102	15	5820	15.000	Not Achieved	9.9		5.1	72.3	21.9	80.8	1478	100	0.47	
SRK-TSF-CPT-102	21-02-23004_SPTSF102	15	405	20.000	14.9		5.1		40.9	15.0					
SRK-TSF-CPT-102	21-02-23004_SPTSF102	15	10980	25.000	Not Achieved	19.2		5.8	71.6	21.3	96.0	1432	100	0.49	
SRK-TSF-CPT-102	21-02-23004_SPTSF102	15	780	26.950	20.8		6.1		20.8	20.7					
SRK-WOS-CPT-01	21-02-23004_SPWOS01	15	22020	5.000	Not Achieved	4.8		0.2	36.0	19.0	54.5	18149	100	0.04	
SRK-WOS-CPT-01	21-02-23004_SPWOS01	15	7200	10.000	Not Achieved			0.2	48.0	32.5	40.6				
SRK-WOS-CPT-01	21-02-23004_SPWOS01	15	7200	15.000	Not Achieved	14.8		0.2	67.0	39.8	52.1	6468	100	0.11	
SRK-WOS-CPT-01	21-02-23004_SPWOS01	15	5400	20.025	Not Achieved	19.8		0.2	76.2	30.9	80.4	1368	100	0.51	
SRK-WOS-CPT-01	21-02-23004_SPWOS01	15	405	21.475	21.3		0.2		32.2	21.3					
SRK-WRD-CPT-10	21-02-23004_SPWRD10	15	1120	3.000	2.9		0.1		4.4	4.4					
SRK-WRD-CPT-10	21-02-23004_SPWRD10	15	7440	10.000	Not Achieved	9.9		0.1	43.6	24.6	56.5	5421	100	0.13	
SRK-WRD-CPT-10	21-02-23004_SPWRD10	15	4200	15.000	Not Achieved	14.9		0.1	50.3	23.9	74.7	1182	100	0.59	
SRK-WRD-CPT-14	21-02-23004_SPWRD14	15	7200	5.025	Not Achieved	5.7		-0.7	60.3	32.9	50.2	7063	100	0.10	
SRK-WRD-CPT-14	21-02-23004_SPWRD14	15	8400	5.925	Not Achieved	6.6		-0.7	61.0	13.8	86.8	329	100	2.14	
SRK-WRD-CPT-14	21-02-23004_SPWRD14	15	7440	10.000	Not Achieved	10.7		-0.7	77.6	23.7	80.6	1539	100	0.46	
SRK-WRD-CPT-14	21-02-23004_SPWRD14	15	2430	12.575	13.3		-0.7		17.6	13.2					
SRK-WRD-CPT-15	21-02-23004_SPWRD15	15	8100	8.750	Not Achieved			0.9	248.0	22.2	94.0				
SRK-WRD-CPT-16	21-02-23004_SPWRD16	15	7140	5.000	Not Achieved			-0.6	47.1	22.4	59.7				
SRK-WRD-CPT-16	21-02-23004_SPWRD16	15	1680	9.075	9.7		-0.6		17.9	9.6					
SRK-WRD-CPT-17	21-02-23004_SPWRD17	15	1010	1.600	0.0		1.6		0.0	-0.3					
SRK-WRD-CPT-17	21-02-23004_SPWRD17	15	610	4.000	1.4		2.6		1.1	1.1					
SRK-WRD-CPT-17	21-02-23004_SPWRD17	15	340	7.025	4.4		2.6		4.3	4.3					

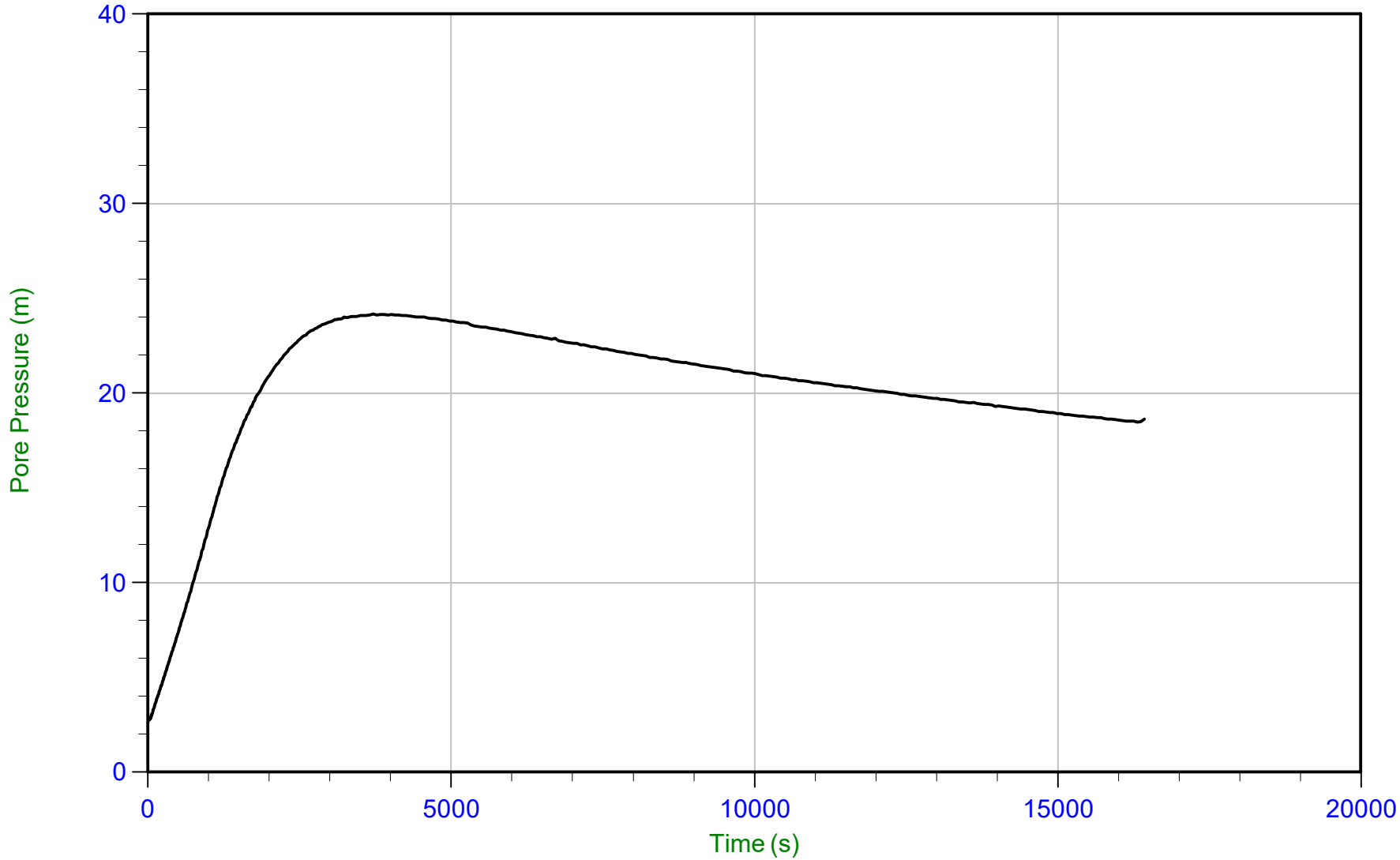
1. Time is relative to where umax occurred.
2. Houlsby and Teh, 1991.
3. The pore pressure data from 240 - 1920 seconds was interpolated based on a best fit line.
4. The pore pressure data from 9419.6 - 12959.4 seconds was interpolated based on a best fit line.
5. The pore pressure data from 175 - 315 seconds and 490 - 810 seconds were interpolated based on a best fit line.
6. The pore pressure data from 310 - 450 seconds was interpolated based on a best fit line.
7. The pore pressure data from 365 - 47698.4 seconds was interpolated based on a best fit line.
8. The pore pressure data from 8579.9 - 9059.9 seconds was interpolated based on a best fit line.

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/02/2022 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG01.PPF
Depth: 5.000 m / 16.404 ft
Duration: 16439.6 s

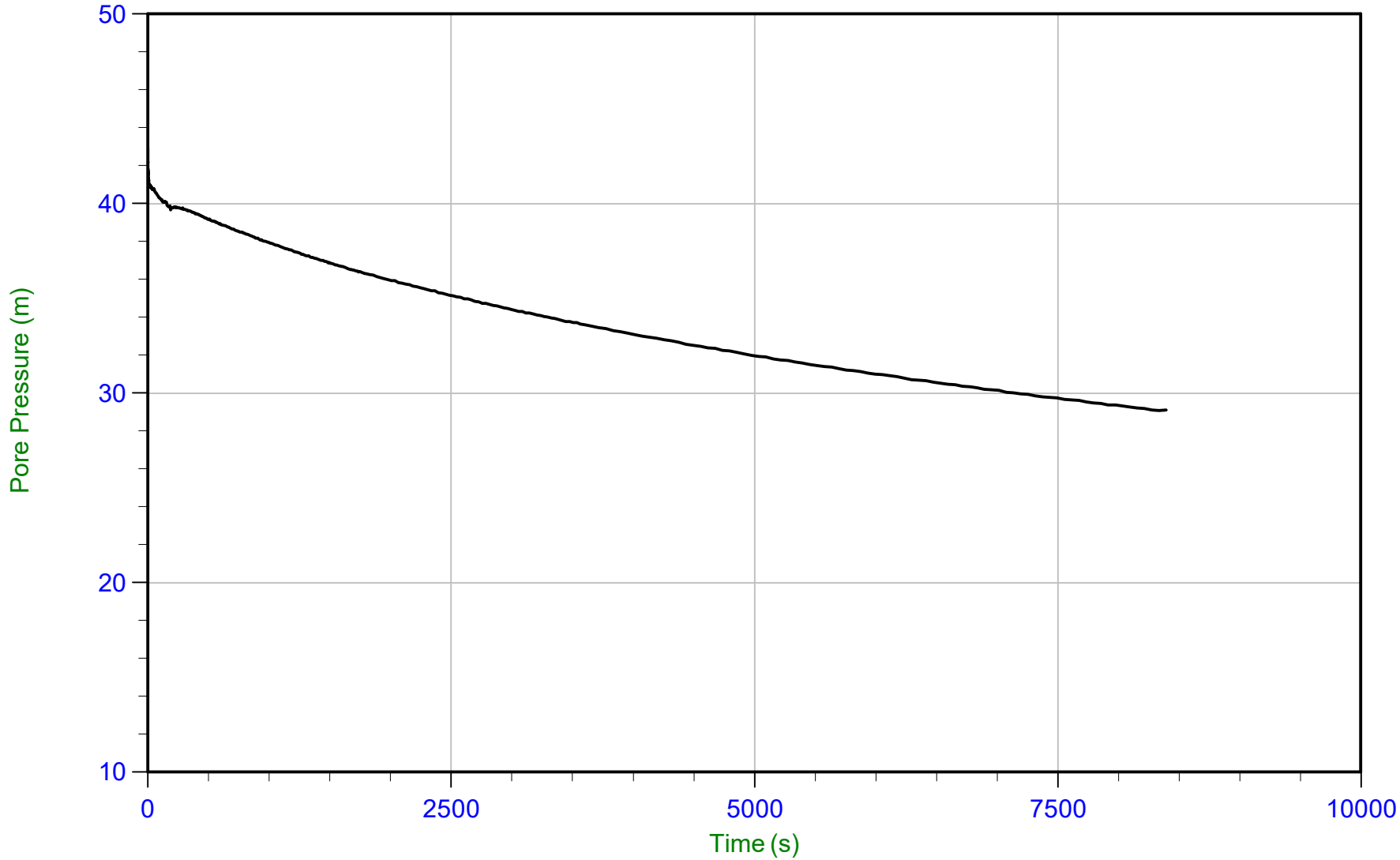
u Min: 2.7 m
u Max: 24.2 m
u Final: 18.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/02/2022 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG01.PPF
Depth: 10.000 m / 32.808 ft
Duration: 8399.8 s

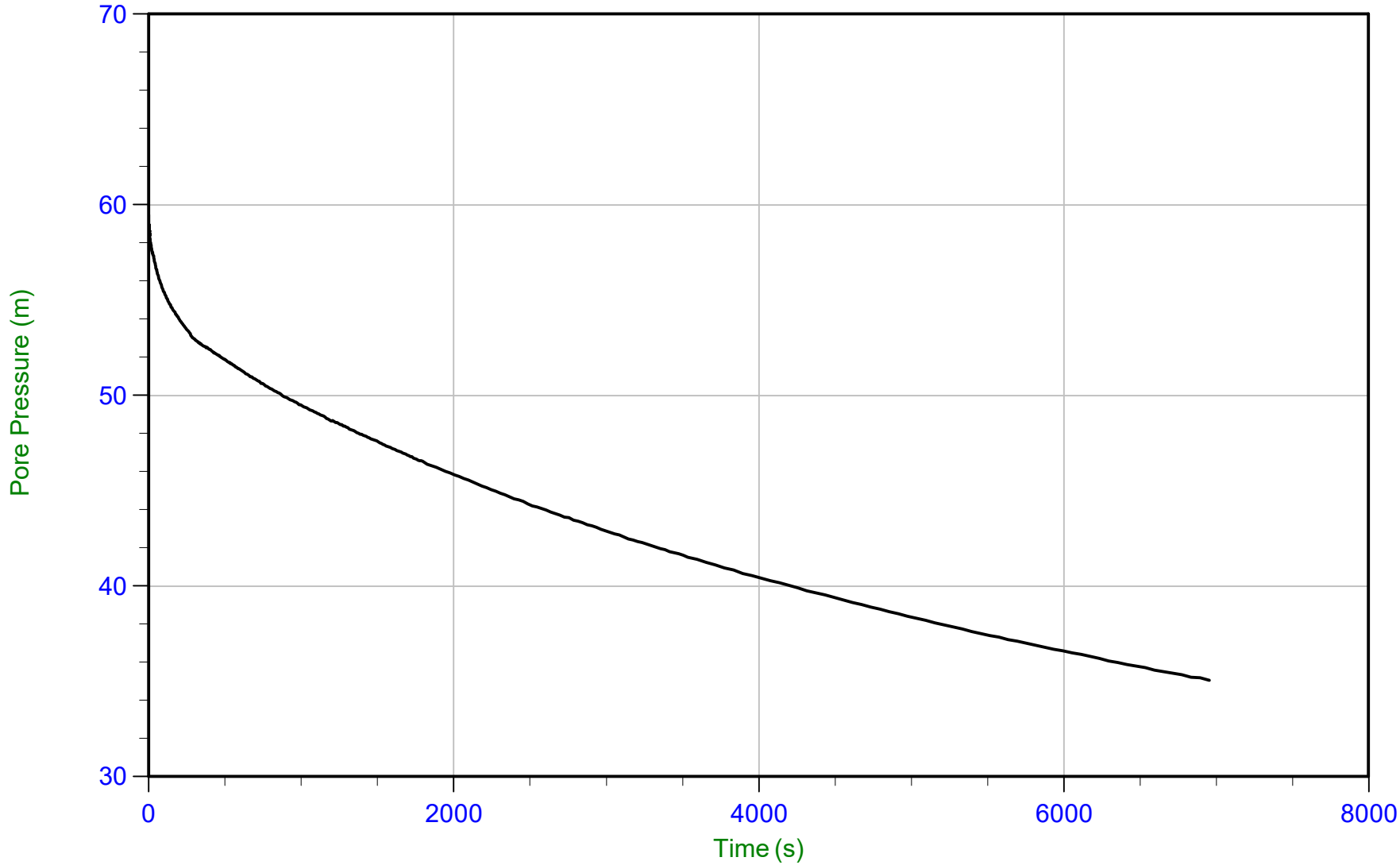
u Min: 29.1 m
u Max: 42.9 m
u Final: 29.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/02/2022 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG01.PPF
Depth: 15.000 m / 49.212 ft
Duration: 6959.8 s

u Min: 35.1 m
u Max: 59.5 m
u Final: 35.1 m

WT: 0.684 m / 2.244 ft
Ueq: 14.3 m
U(50): 36.89 m

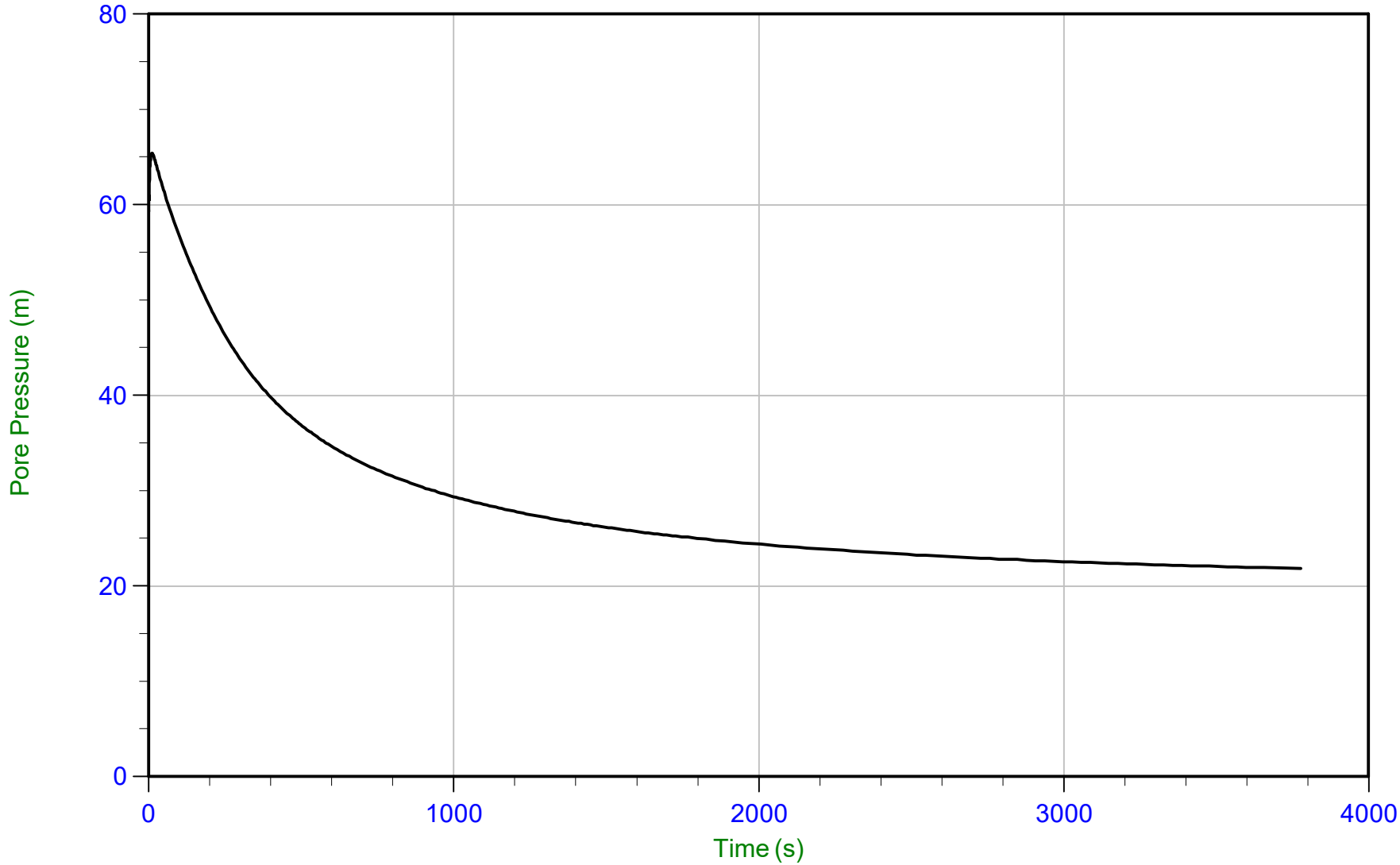
T(50): 5814.5 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/02/2022 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG01.PPF
Depth: 20.000 m / 65.616 ft
Duration: 3779.9 s

u Min: 21.8 m
u Max: 65.4 m
u Final: 21.8 m

WT: 0.684 m / 2.244 ft
Ueq: 19.3 m
U(50): 42.37 m

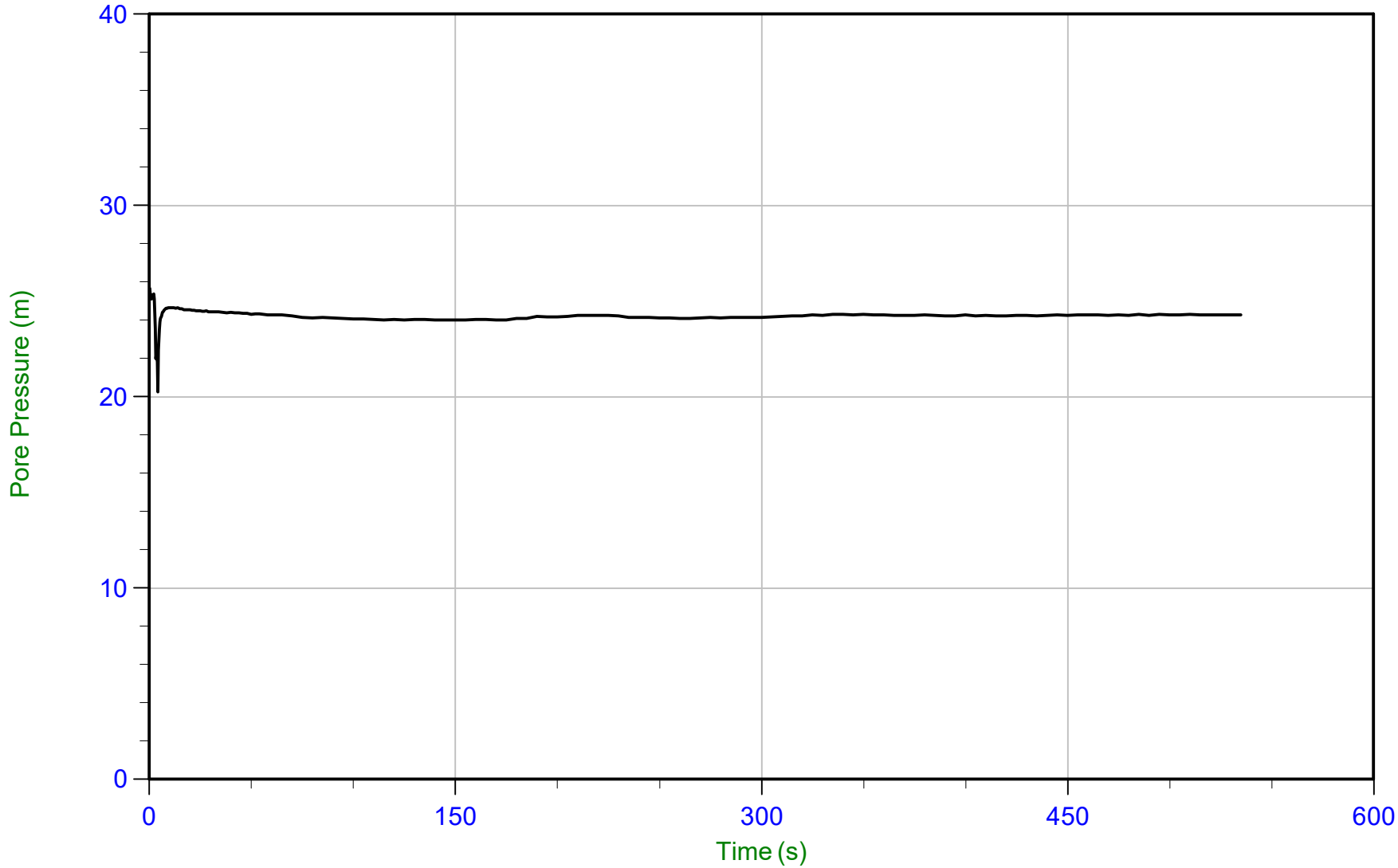
T(50): 322.2 s
Ir: 100
Ch: 2.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/02/2022 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG01.PPF
Depth: 25.000 m / 82.020 ft
Duration: 535.0 s

u Min: 20.3 m
u Max: 25.7 m
u Final: 24.3 m

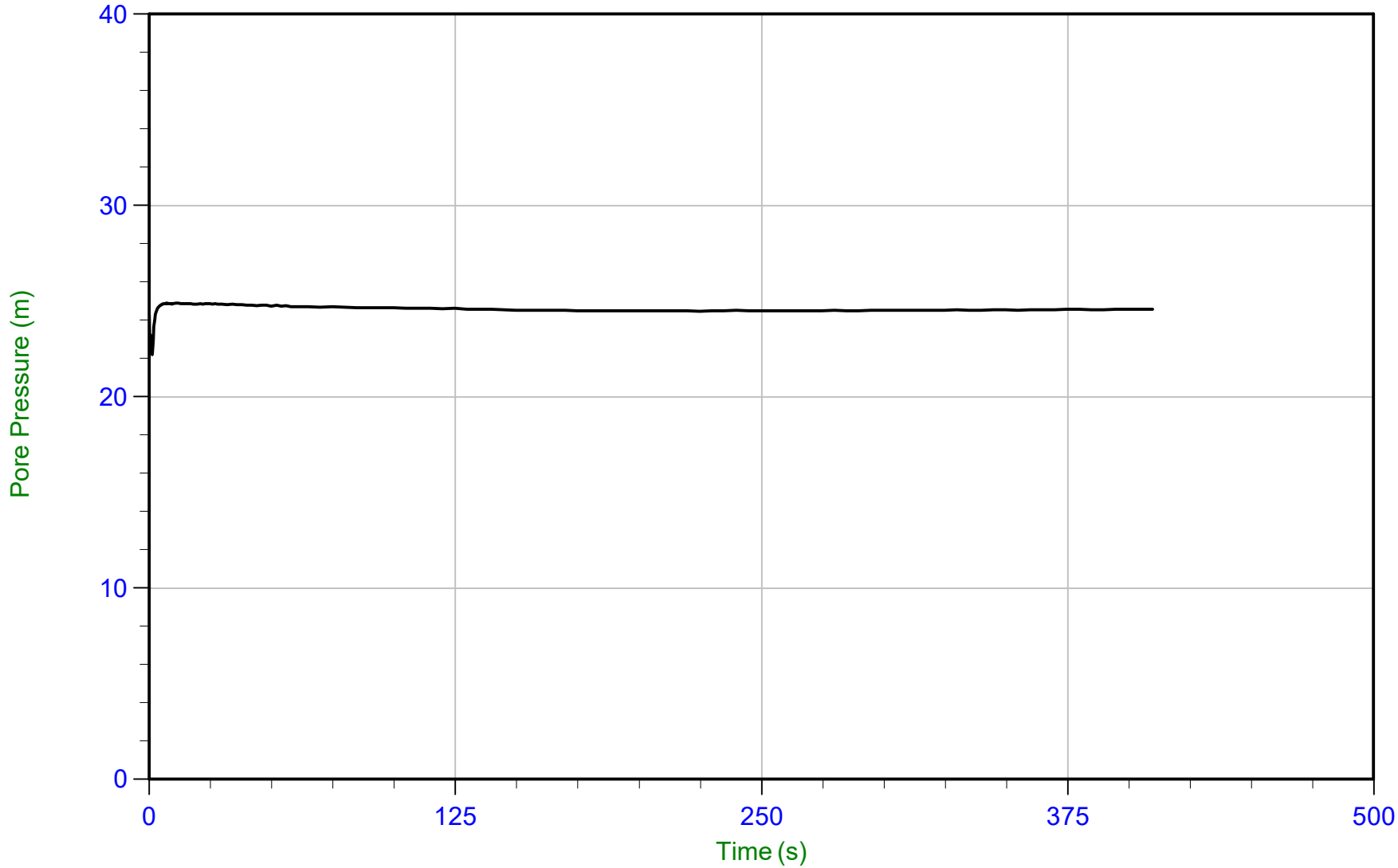
WT: 0.684 m / 2.244 ft
Ueq: 24.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/02/2022 12:00
Site: Crawford Mine

Sounding: SRK-HG-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG01.PPF
Depth: 25.325 m / 83.086 ft
Duration: 410.0 s

u Min: 22.2 m
u Max: 24.9 m
u Final: 24.6 m

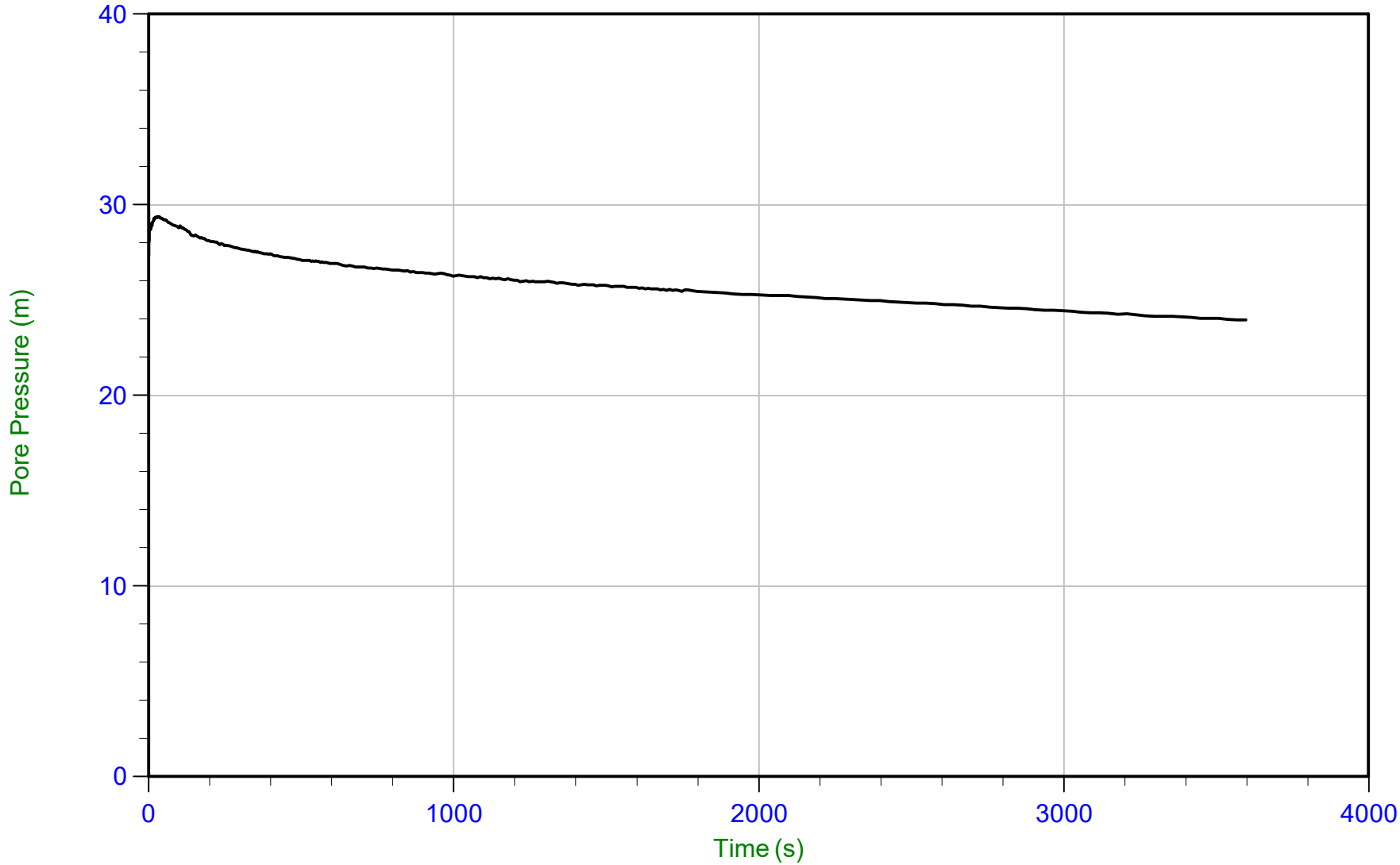
WT: 0.693 m / 2.274 ft
Ueq: 24.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/01/2022 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG03.PPF
Depth: 5.000 m / 16.404 ft
Duration: 3599.9 s

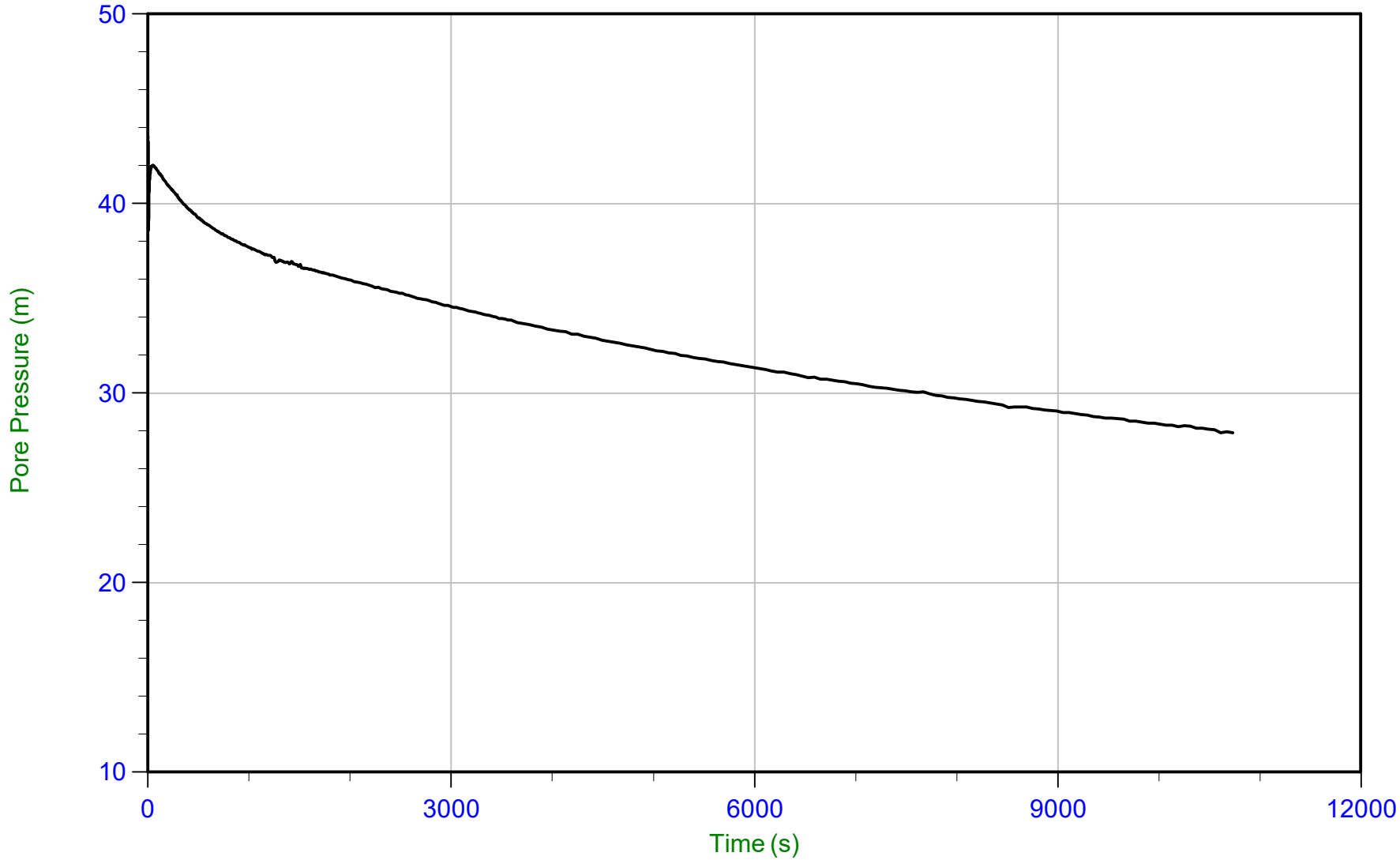
u Min: 24.0 m
u Max: 29.7 m
u Final: 24.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/01/2022 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG03.PPF
Depth: 10.000 m / 32.808 ft
Duration: 10739.8 s

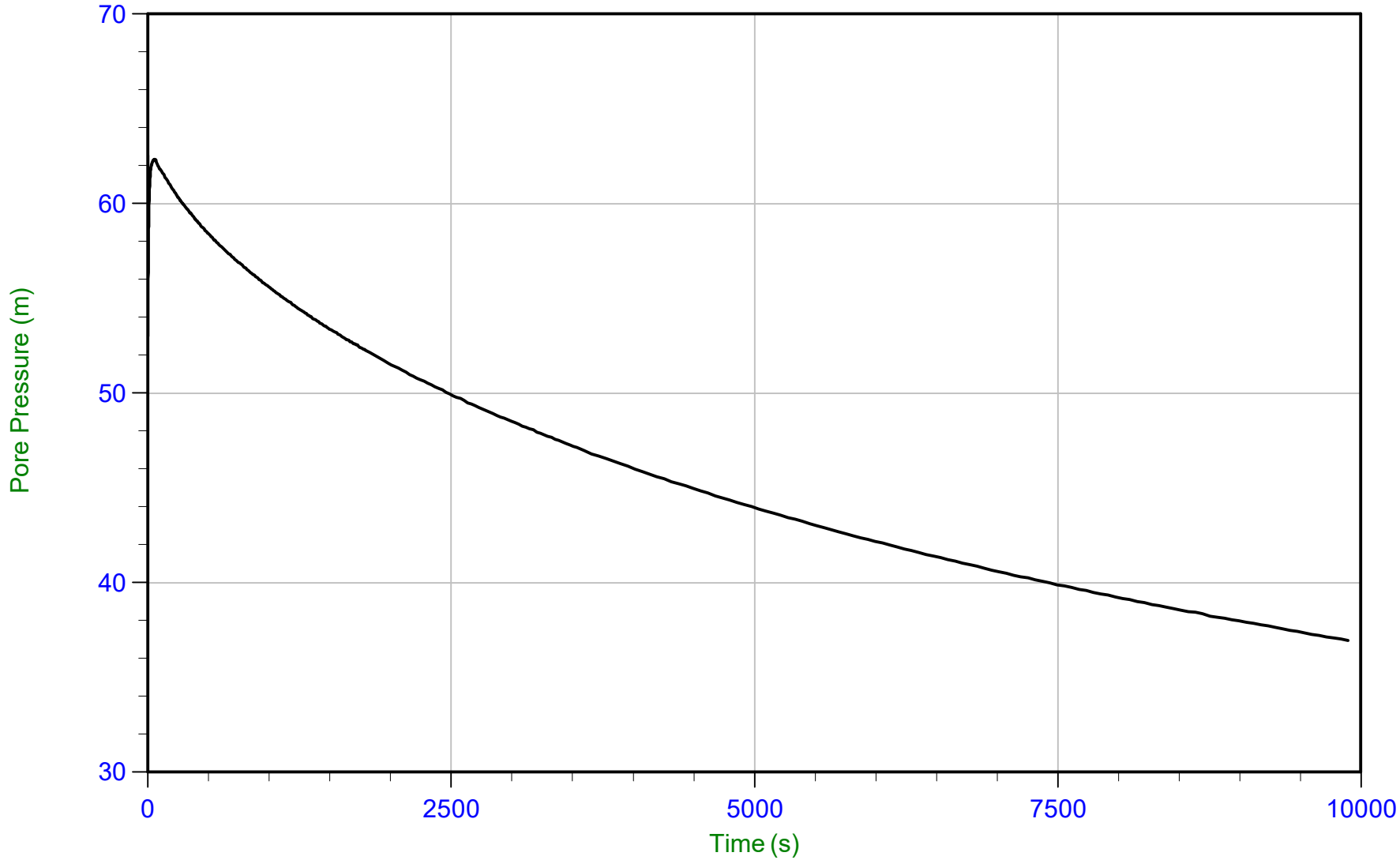
u Min: 27.9 m
u Max: 43.5 m
u Final: 27.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/01/2022 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG03.PPF
Depth: 15.000 m / 49.212 ft
Duration: 9899.8 s

u Min: 37.0 m
u Max: 62.6 m
u Final: 37.0 m

WT: 0.368 m / 1.207 ft
Ueq: 14.6 m
U(50): 38.59 m

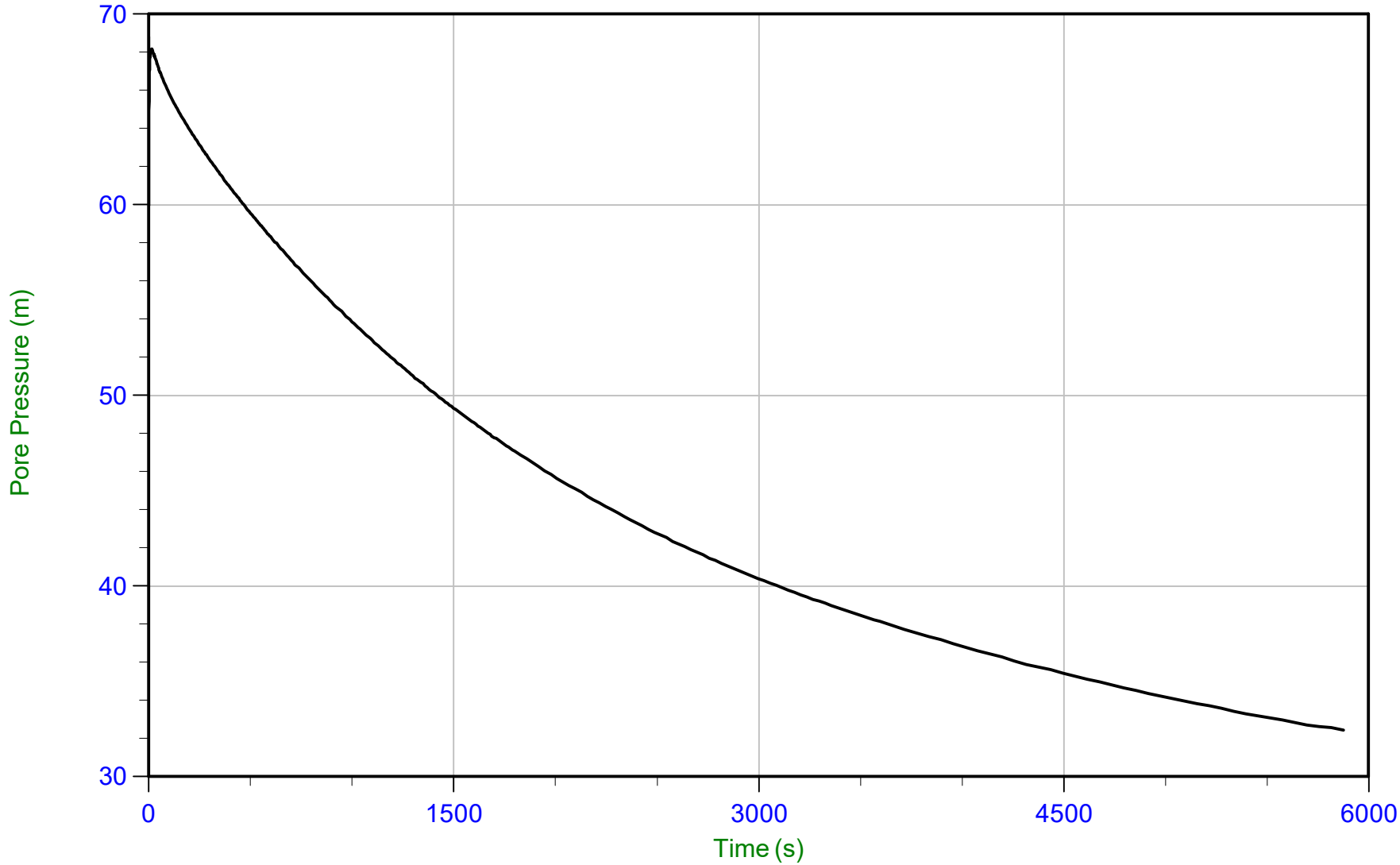
T(50): 8484.5 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/01/2022 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG03.PPF
Depth: 20.000 m / 65.616 ft
Duration: 5879.8 s

u Min: 32.4 m
u Max: 68.8 m
u Final: 32.4 m

WT: 0.368 m / 1.207 ft
Ueq: 19.6 m
U(50): 44.22 m

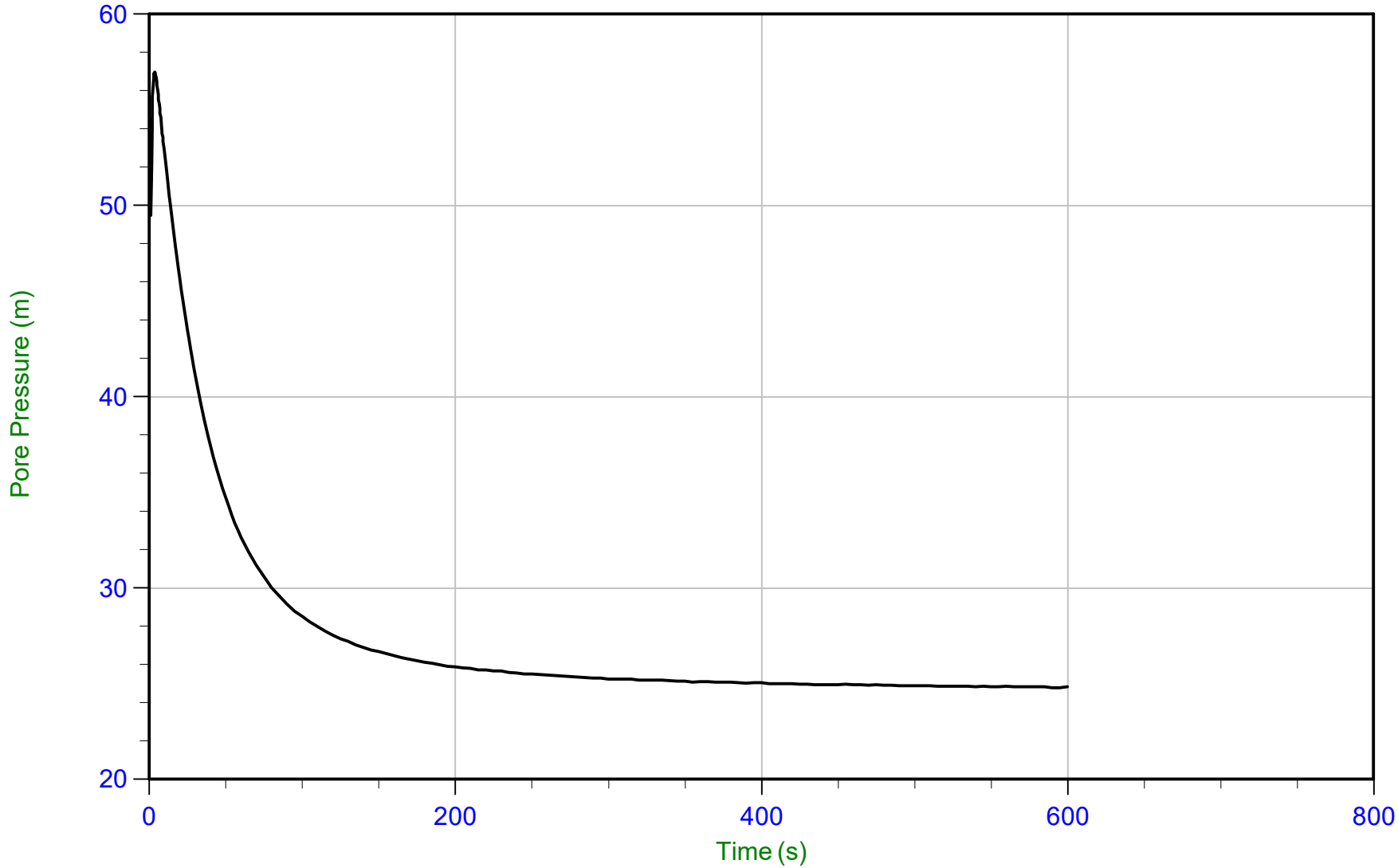
T(50): 2240.7 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/01/2022 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG03.PPF
Depth: 25.000 m / 82.020 ft
Duration: 600.0 s

u Min: 24.8 m
u Max: 57.0 m
u Final: 24.8 m

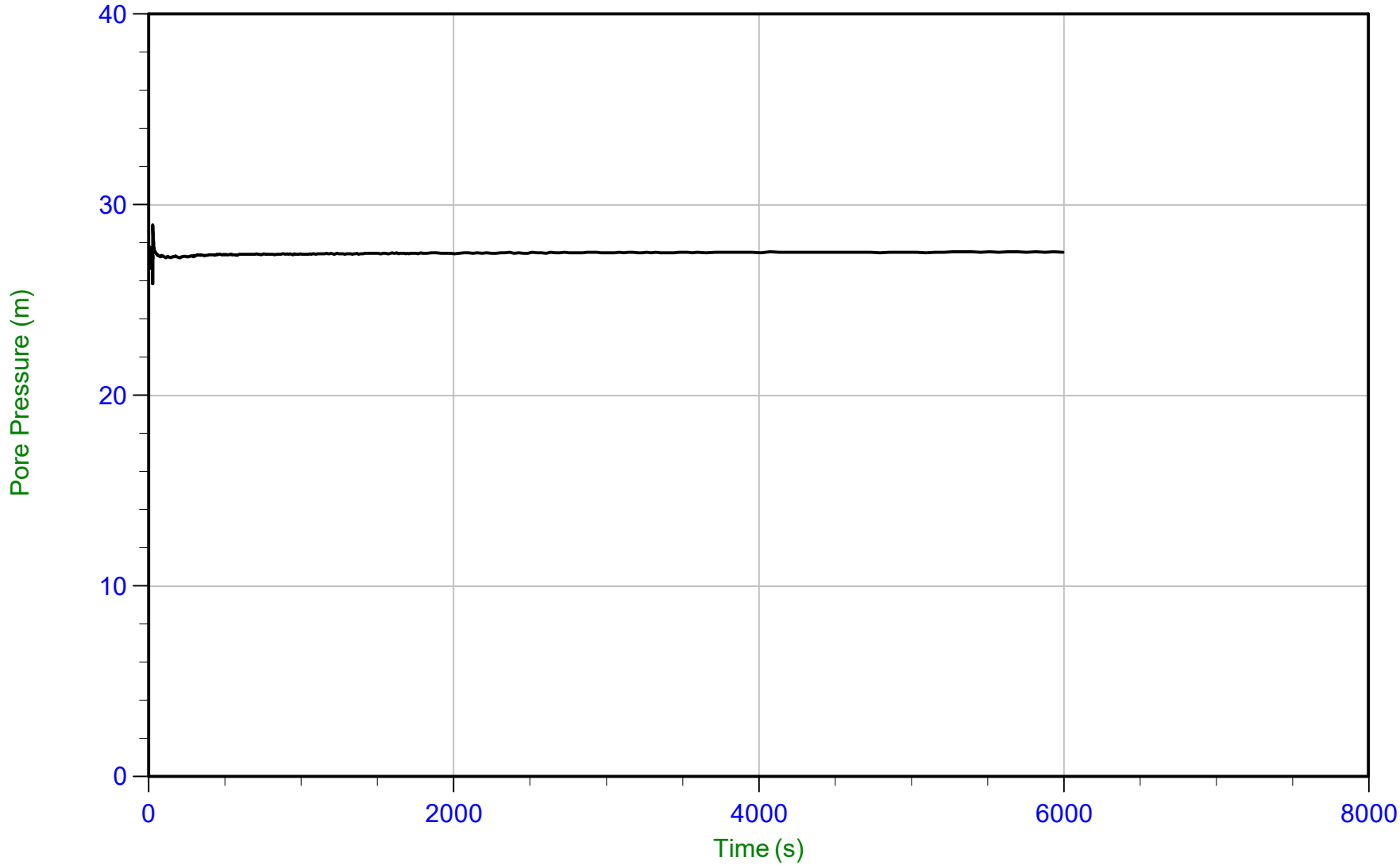
WT: 0.368 m / 1.207 ft
Ueq: 24.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/01/2022 08:41
Site: Crawford Mine

Sounding: SRK-HG-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPHG03.PPF
Depth: 28.050 m / 92.026 ft
Duration: 6000.0 s

u Min: 25.9 m
u Max: 29.0 m
u Final: 27.5 m

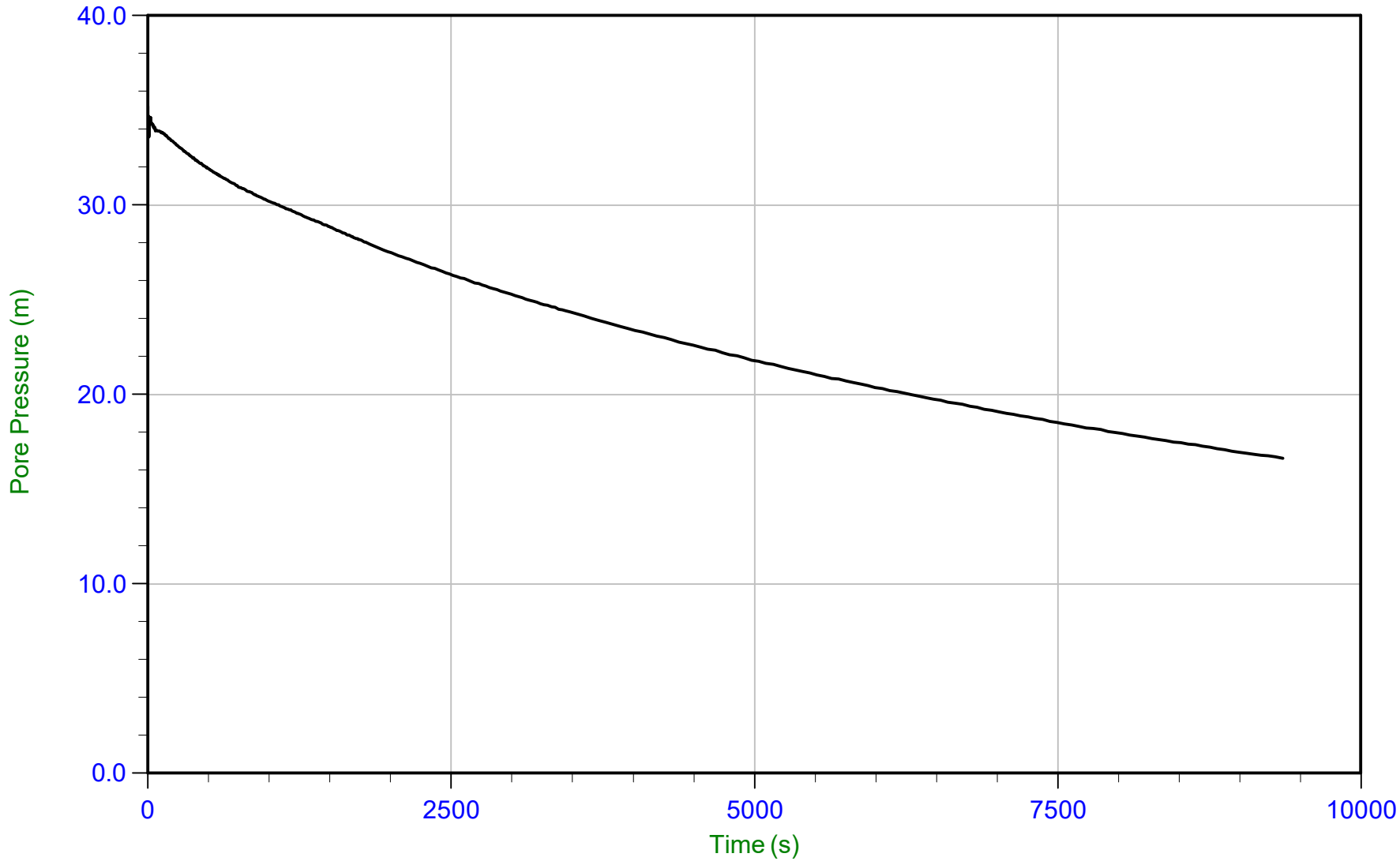
WT: 0.366 m / 1.201 ft
Ueq: 27.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/05/2022 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG01B.PPF
Depth: 5.000 m / 16.404 ft
Duration: 9359.9 s

u Min: 16.6 m
u Max: 35.2 m
u Final: 16.6 m

WT: -0.388 m / -1.273 ft
Ueq: 5.4 m
U(50): 20.30 m

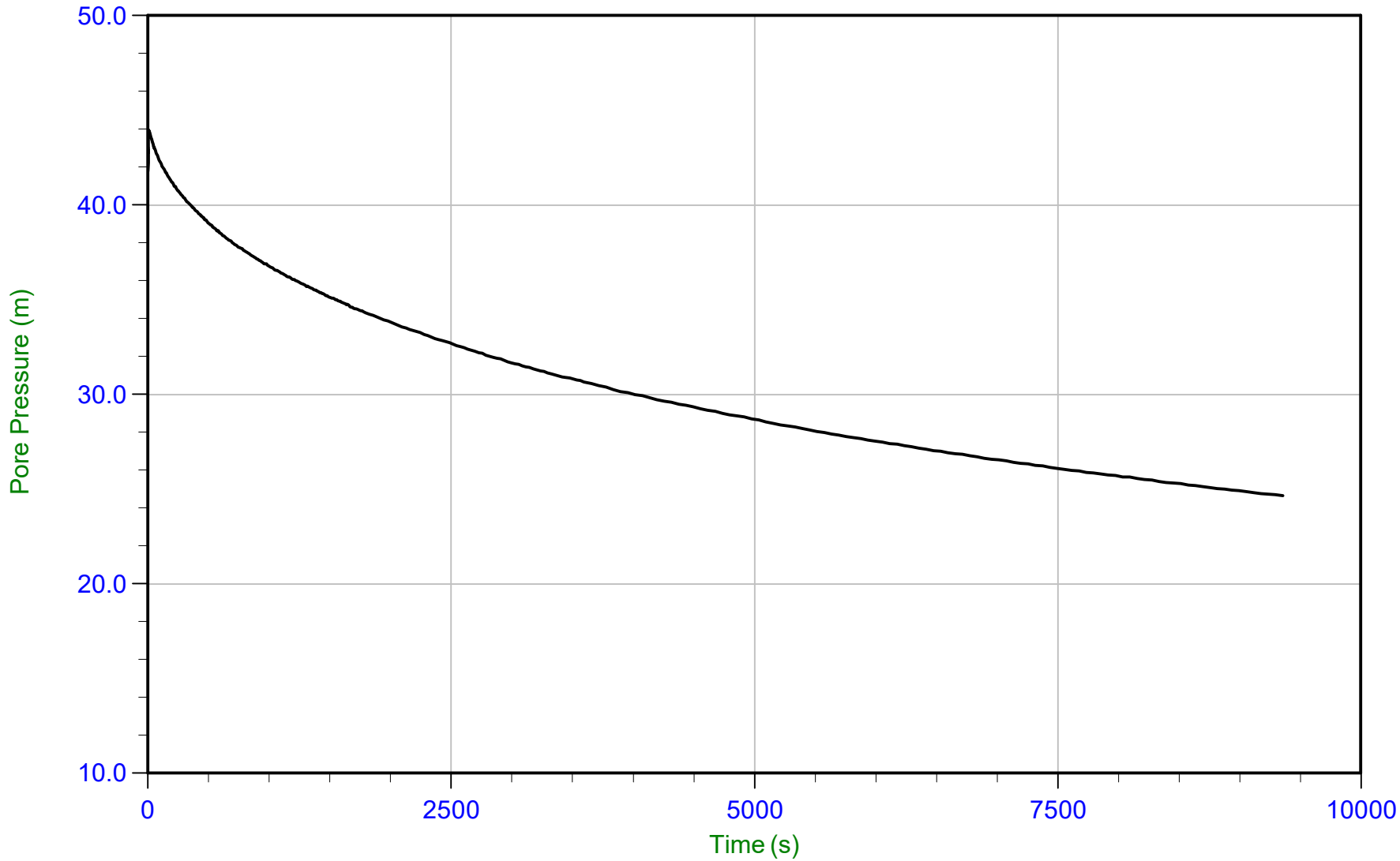
T(50): 6070.4 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/05/2022 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG01B.PPF
Depth: 10.000 m / 32.808 ft
Duration: 9359.9 s

u Min: 24.7 m
u Max: 44.0 m
u Final: 24.7 m

WT: -0.388 m / -1.273 ft
Ueq: 10.4 m
U(50): 27.18 m

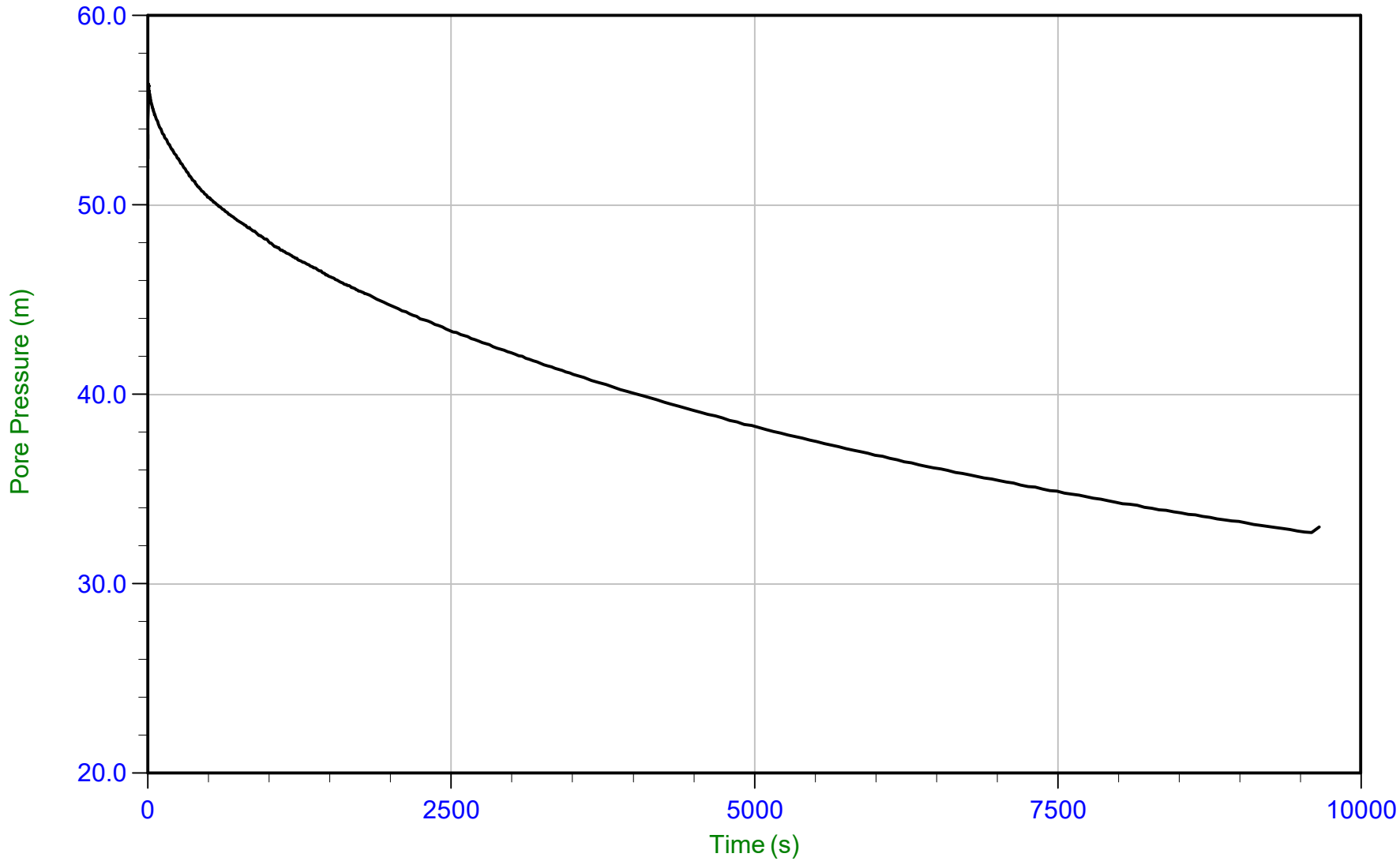
T(50): 6336.3 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/05/2022 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG01B.PPF
Depth: 15.000 m / 49.212 ft
Duration: 9659.9 s

u Min: 32.7 m
u Max: 56.4 m
u Final: 33.0 m

WT: -0.388 m / -1.273 ft
Ueq: 15.4 m
U(50): 35.89 m

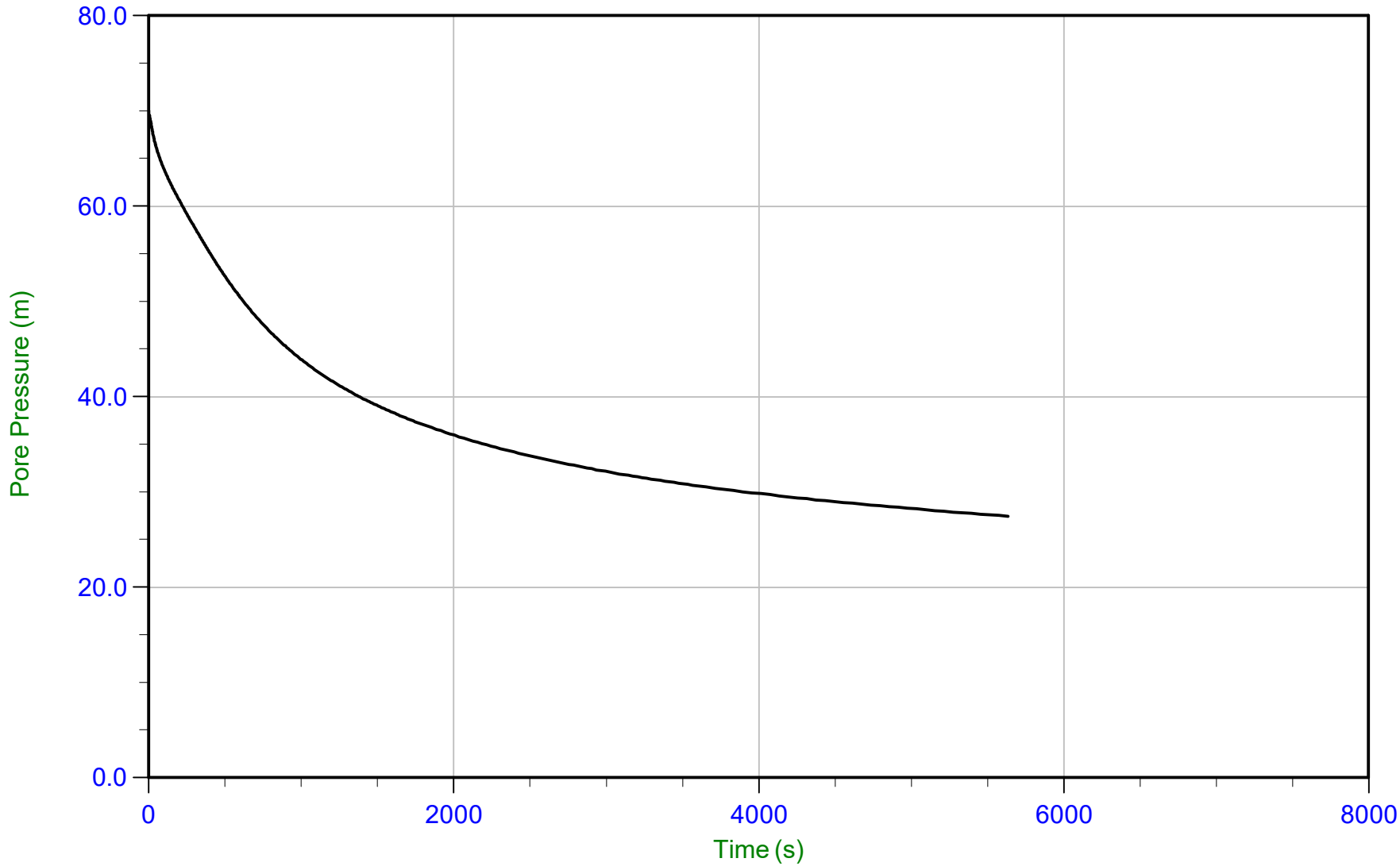
T(50): 6656.6 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/05/2022 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG01B.PPF
Depth: 20.000 m / 65.616 ft
Duration: 5639.9 s

u Min: 27.5 m
u Max: 70.0 m
u Final: 27.5 m

WT: -0.388 m / -1.273 ft
Ueq: 20.4 m
U(50): 45.21 m

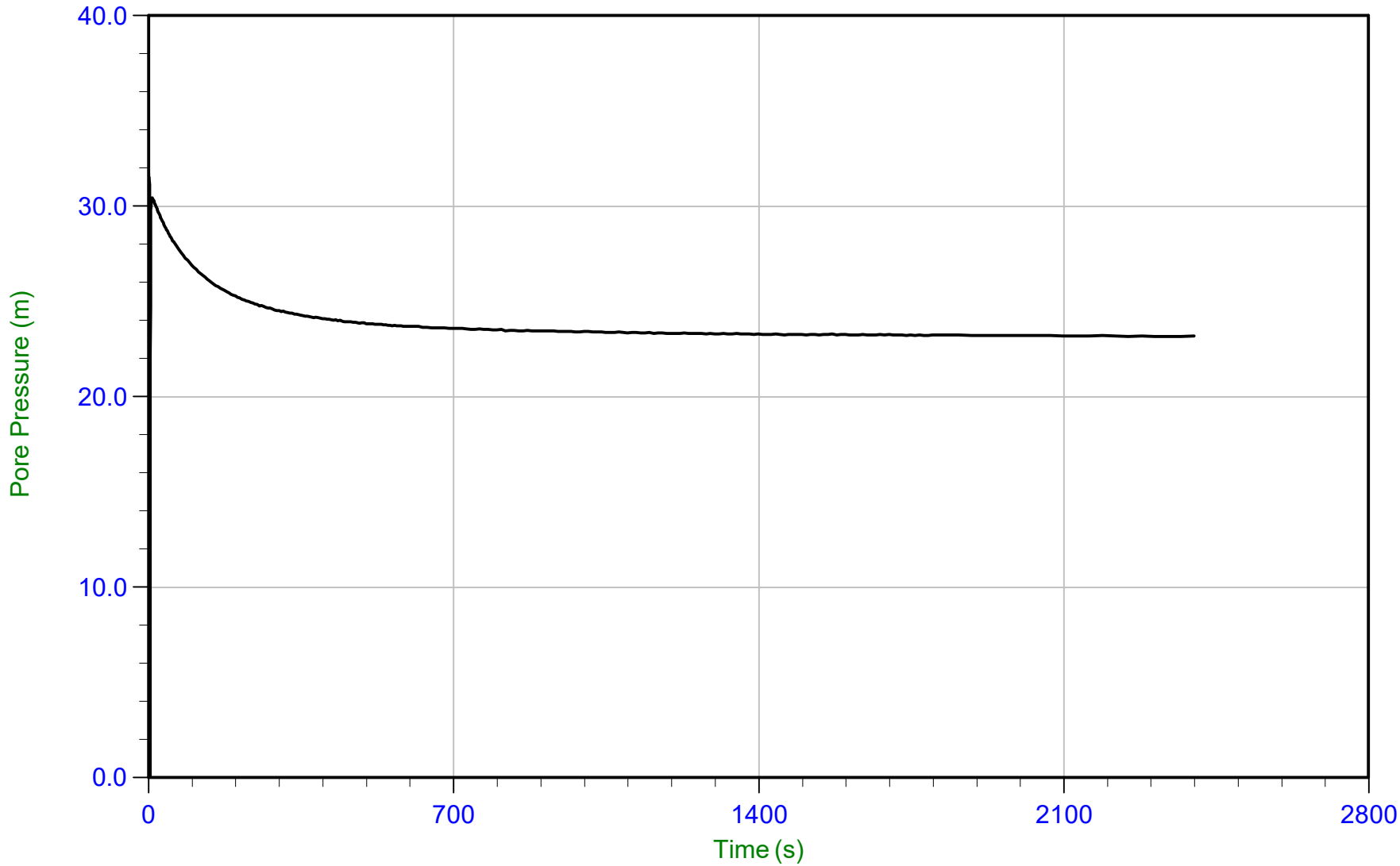
T(50): 906.4 s
Ir: 100
Ch: 0.8 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/05/2022 08:36
Site: Crawford Mine

Sounding: SRK-LG-CPT-01B
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG01B.PPF
Depth: 22.875 m / 75.048 ft
Duration: 2400.0 s

u Min: -4.1 m
u Max: 31.7 m
u Final: 23.2 m

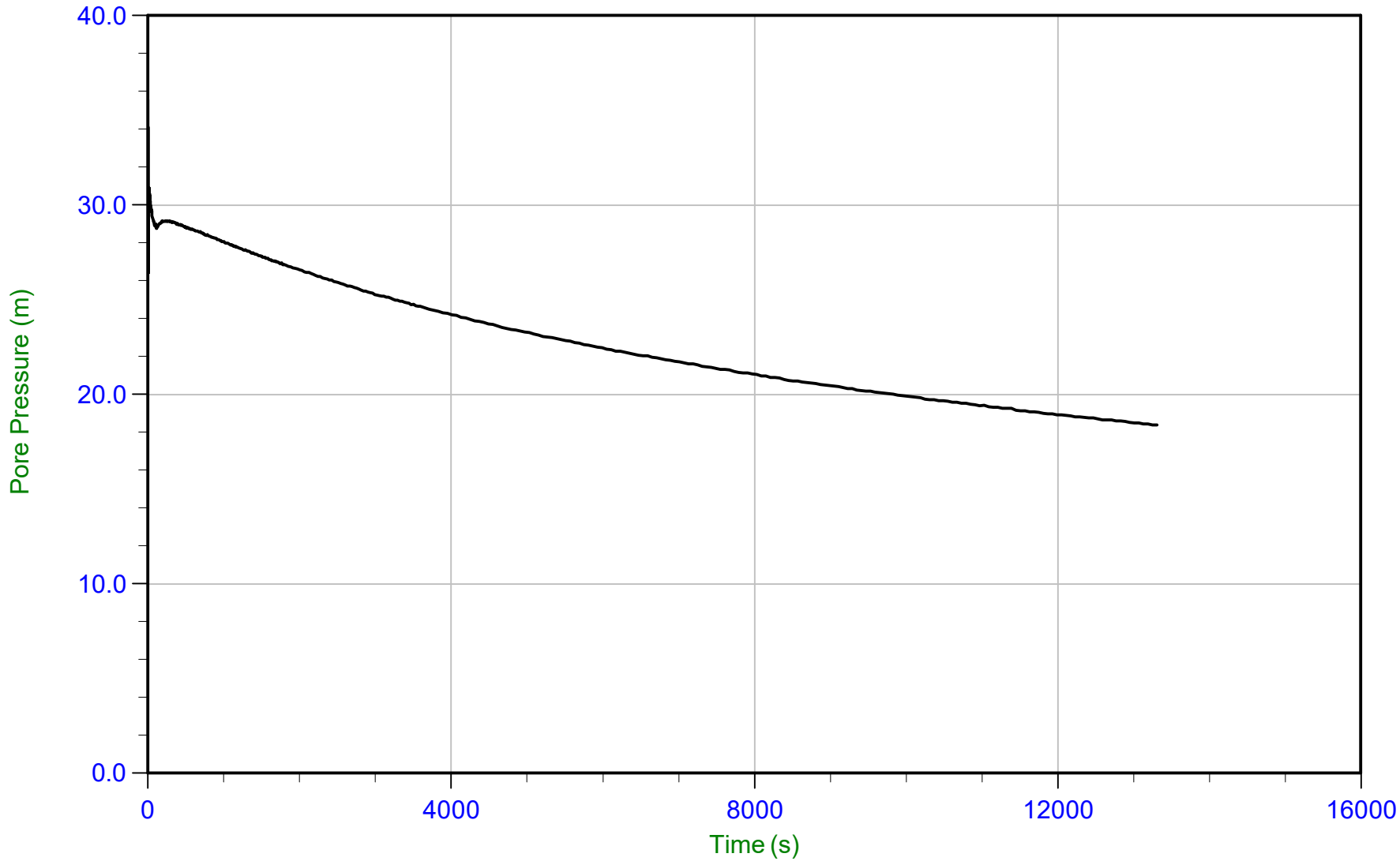
WT: -0.388 m / -1.273 ft
Ueq: 23.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 5.000 m / 16.404 ft
Duration: 13319.9 s

u Min: 18.4 m
u Max: 35.6 m
u Final: 18.4 m

WT: 0.000 m / 0.000 ft
Ueq: 5.0 m
U(50): 20.28 m

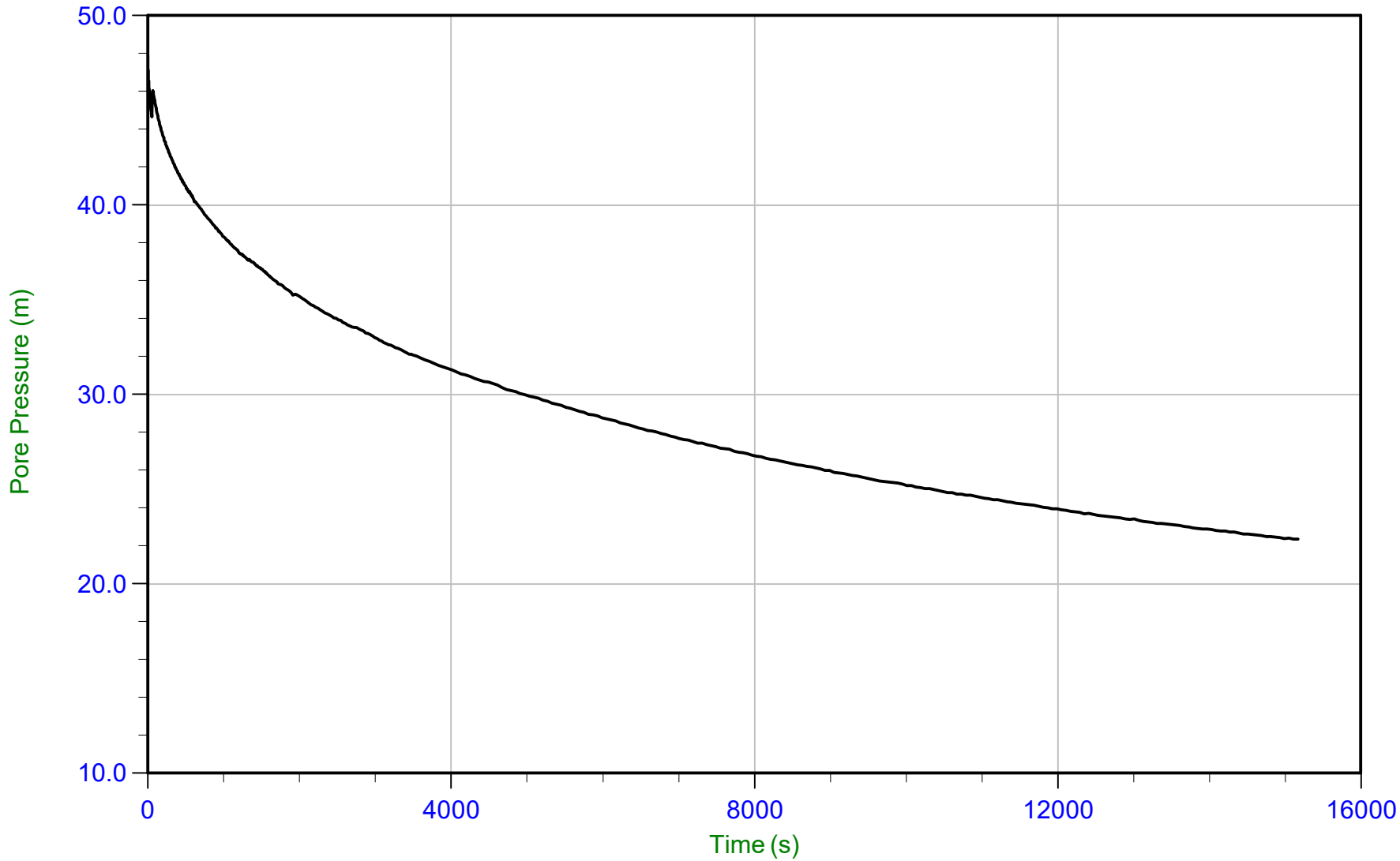
T(50): 9318.8 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 10.000 m / 32.808 ft
Duration: 15179.8 s

u Min: 22.3 m
u Max: 47.9 m
u Final: 22.3 m

WT: 0.000 m / 0.000 ft
Ueq: 10.0 m
U(50): 28.94 m

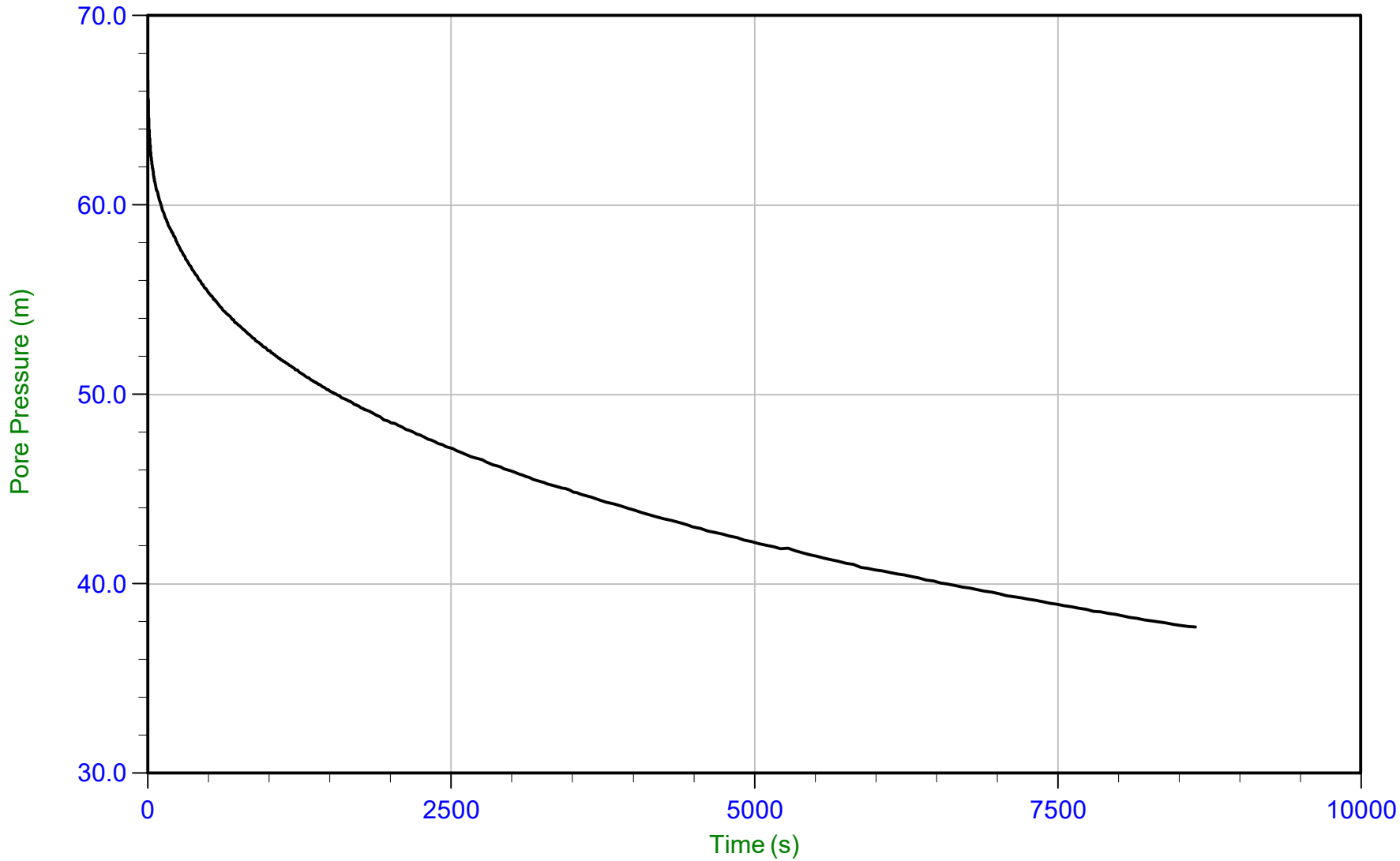
T(50): 5840.5 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 15.000 m / 49.212 ft
Duration: 8639.9 s

u Min: 37.7 m
u Max: 66.6 m
u Final: 37.7 m

WT: 0.000 m / 0.000 ft
Ueq: 15.0 m
U(50): 40.80 m

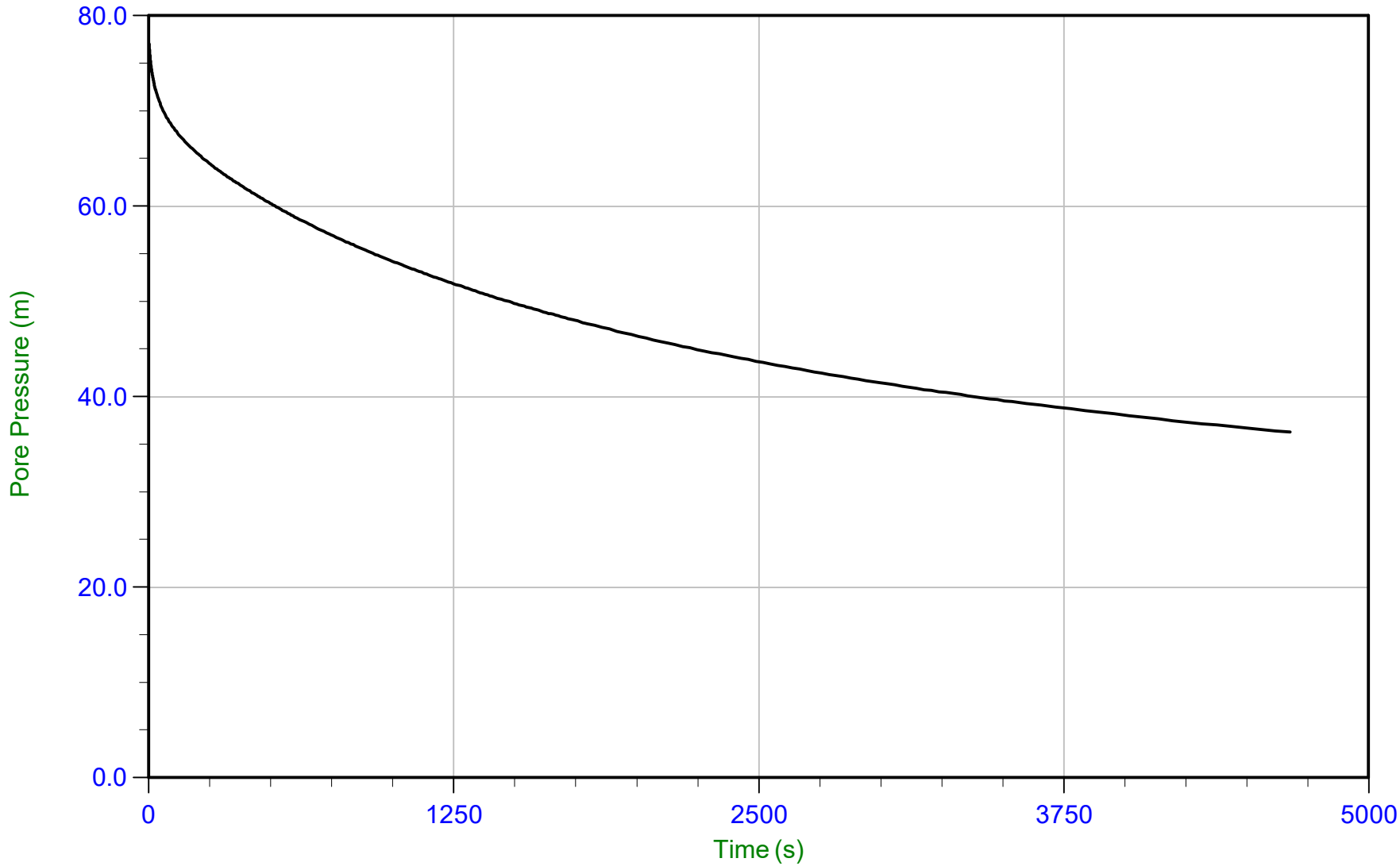
T(50): 5953.7 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 20.000 m / 65.616 ft
Duration: 4680.0 s

u Min: 36.3 m
u Max: 77.1 m
u Final: 36.3 m

WT: 0.000 m / 0.000 ft
Ueq: 20.0 m
U(50): 48.56 m

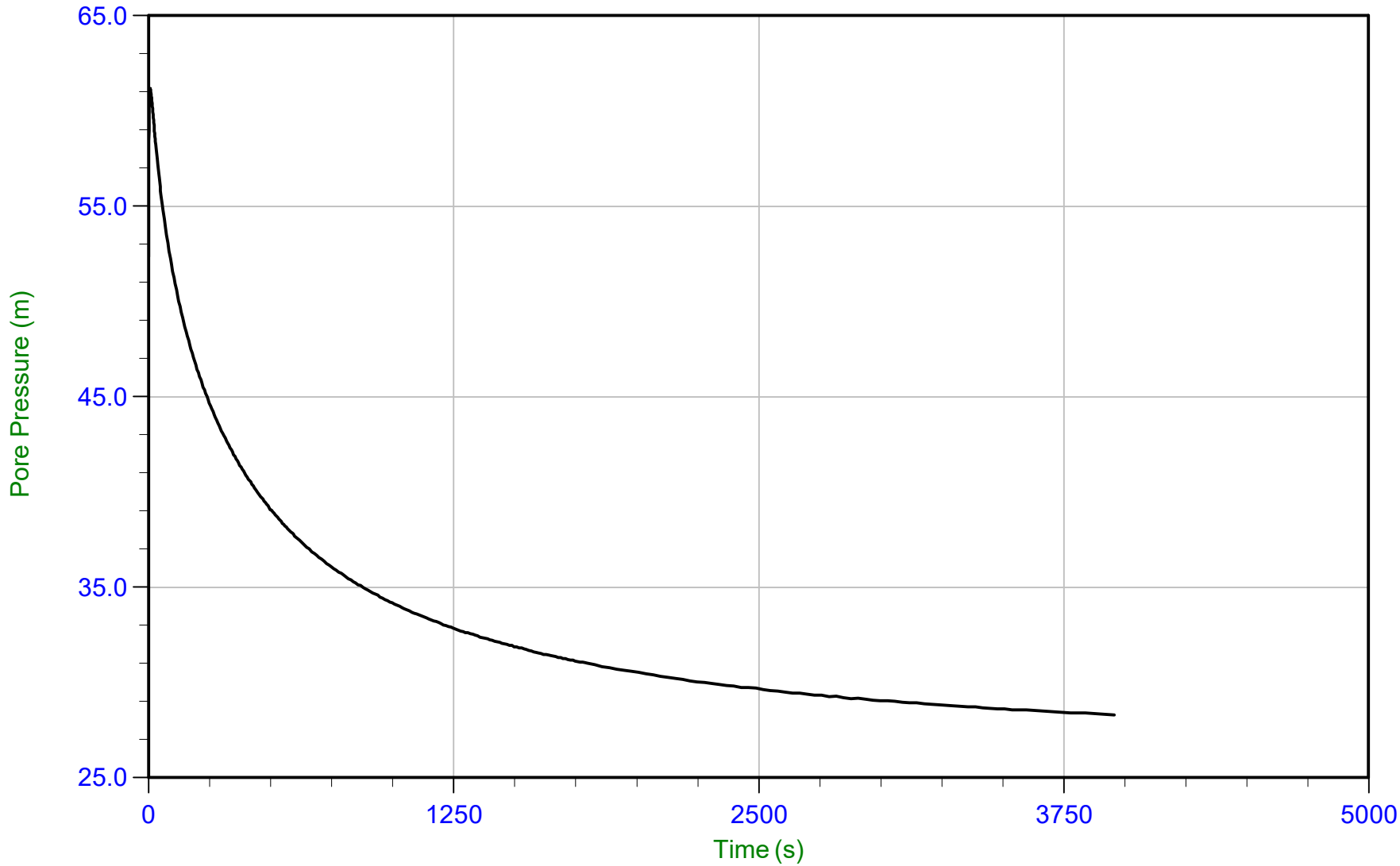
T(50): 1668.7 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 25.000 m / 82.020 ft
Duration: 3959.9 s

u Min: 28.3 m
u Max: 61.2 m
u Final: 28.3 m

WT: 0.000 m / 0.000 ft
Ueq: 25.0 m
U(50): 43.09 m

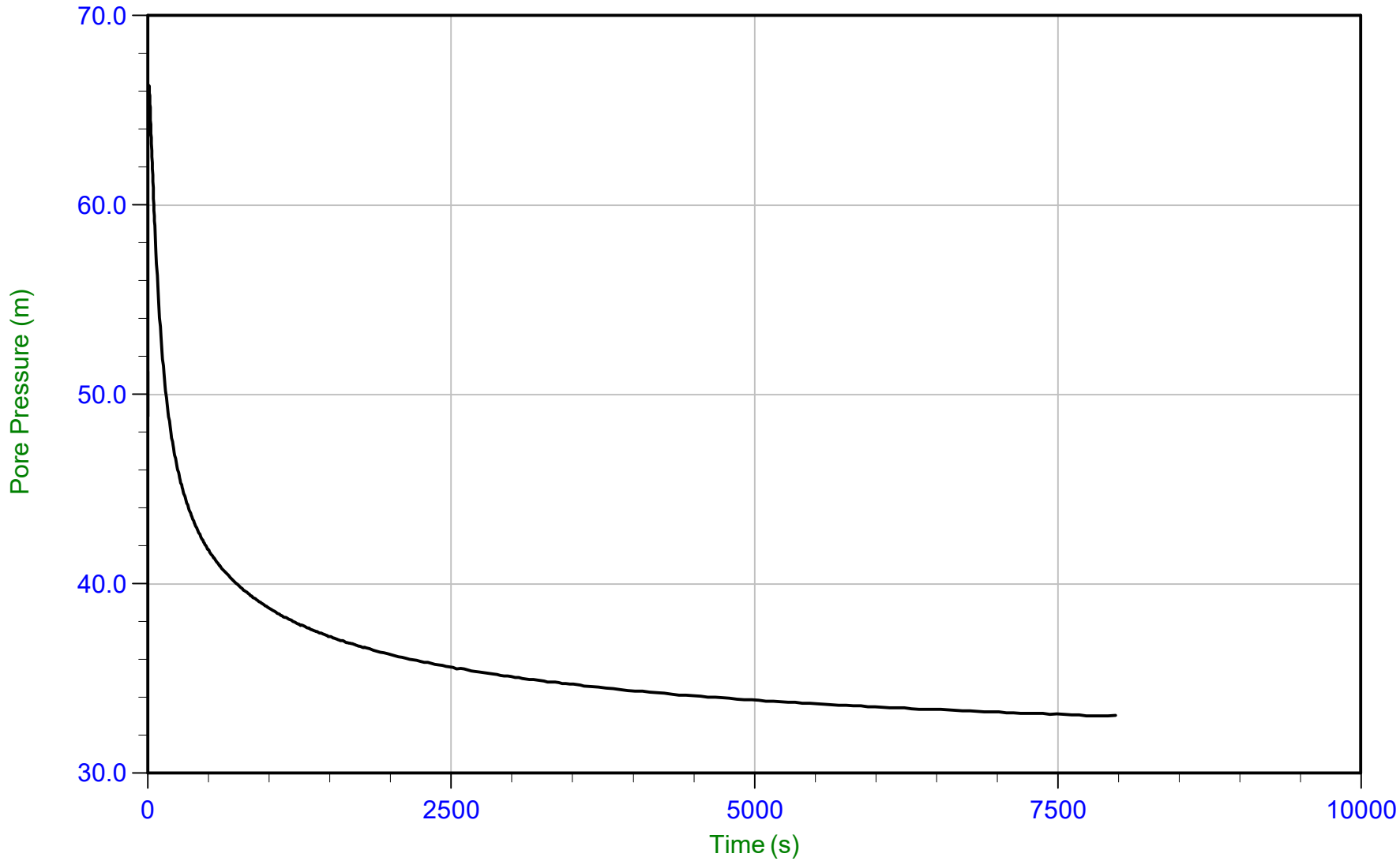
T(50): 297.8 s
Ir: 100
Ch: 2.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 30.000 m / 98.424 ft
Duration: 7979.9 s

u Min: 33.0 m
u Max: 66.3 m
u Final: 33.0 m

WT: 0.000 m / 0.000 ft
Ueq: 30.0 m
U(50): 48.15 m

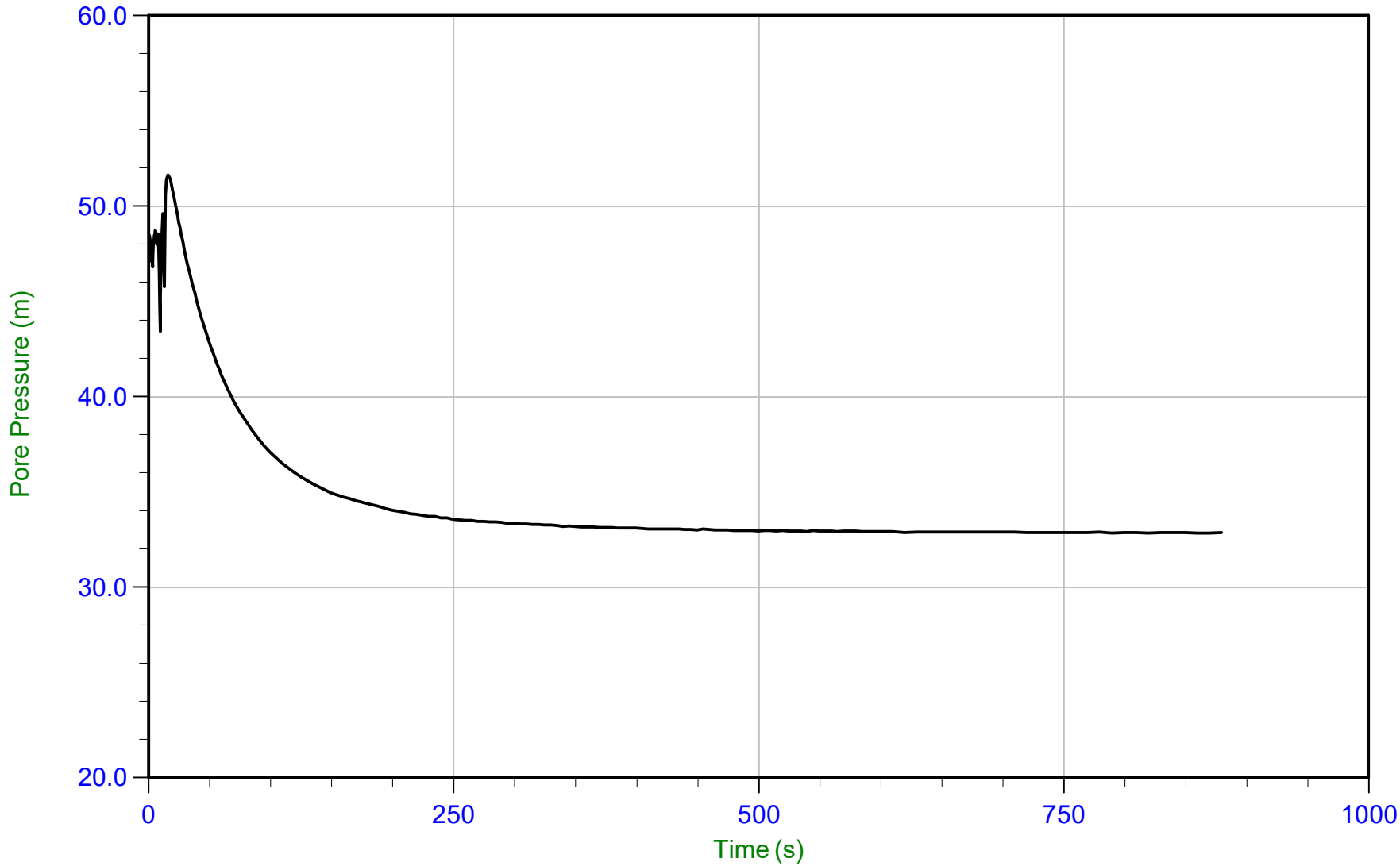
T(50): 179.8 s
Ir: 100
Ch: 3.9 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/26/2022 08:25
Site: Crawford Mine

Sounding: SRK-LG-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG02.PPF
Depth: 31.325 m / 102.771 ft
Duration: 880.0 s

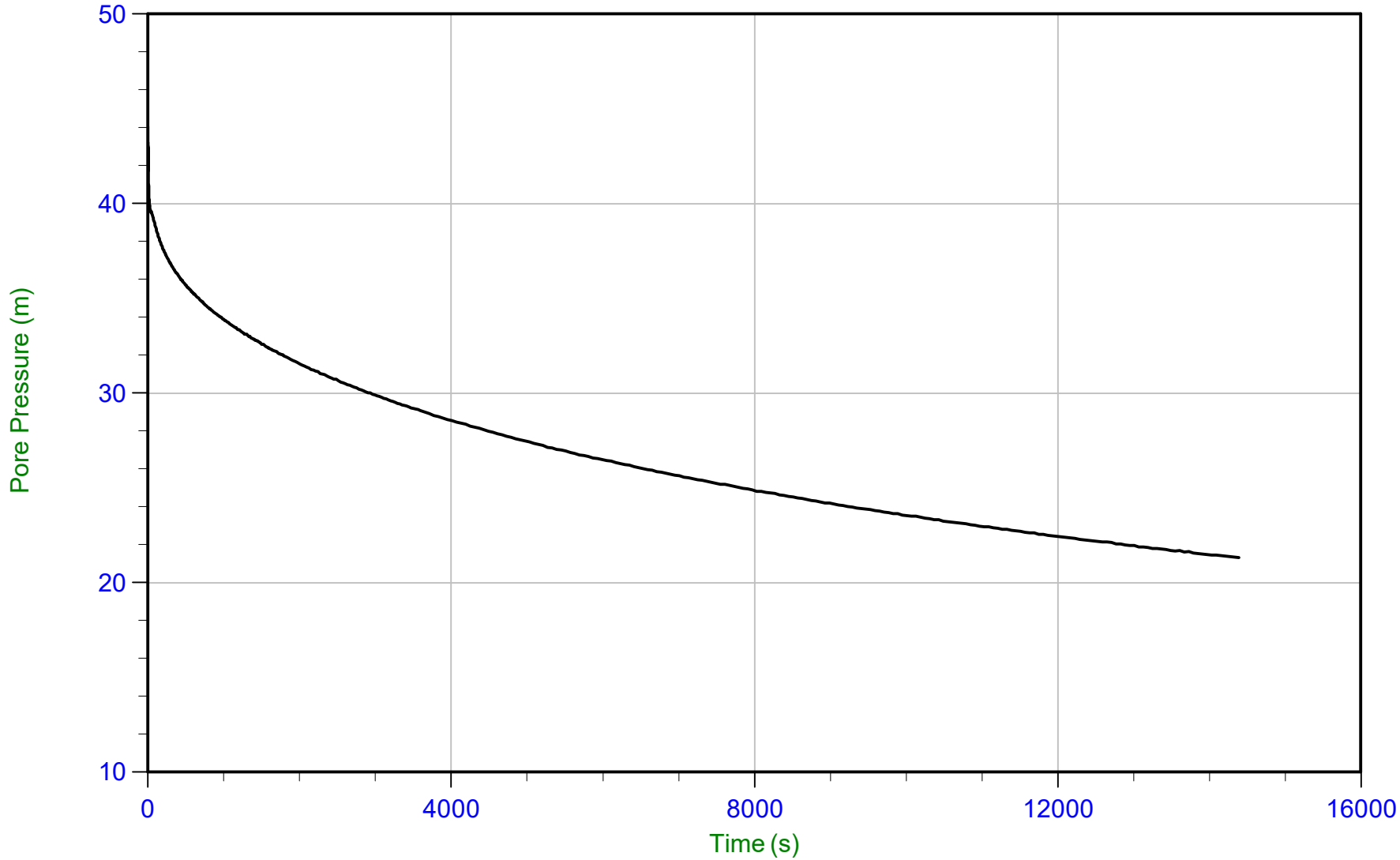
u Min: 32.8 m
u Max: 51.6 m
u Final: 32.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/21/2022 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG03.PPF
Depth: 5.000 m / 16.404 ft
Duration: 14399.7 s

u Min: 21.3 m
u Max: 44.1 m
u Final: 21.3 m

WT: 0.100 m / 0.328 ft
Ueq: 4.9 m
U(50): 24.49 m

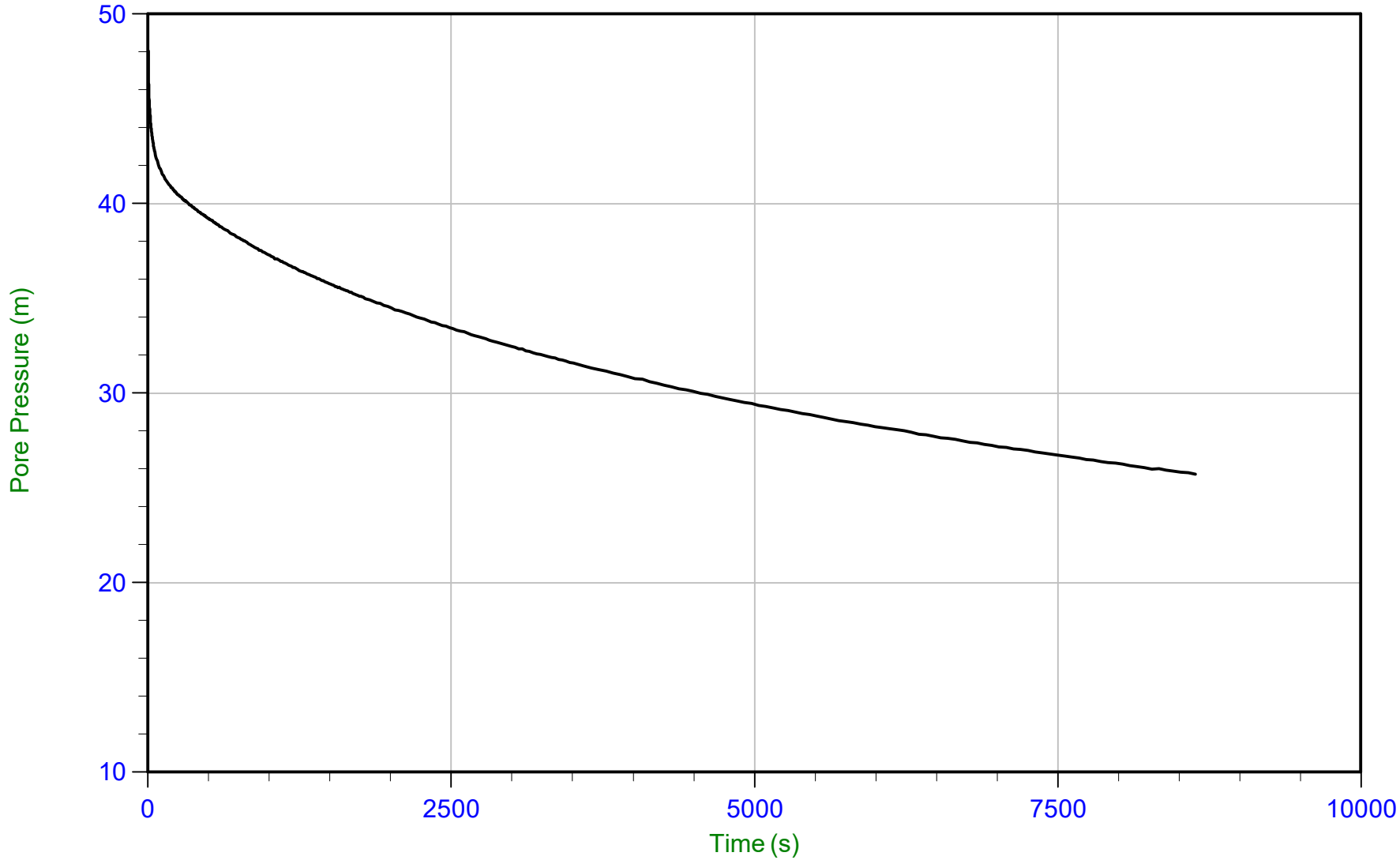
T(50): 8556.0 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/21/2022 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG03.PPF
Depth: 10.000 m / 32.808 ft
Duration: 8639.8 s

u Min: 25.7 m
u Max: 48.1 m
u Final: 25.7 m

WT: 0.100 m / 0.328 ft
Ueq: 9.9 m
U(50): 29.00 m

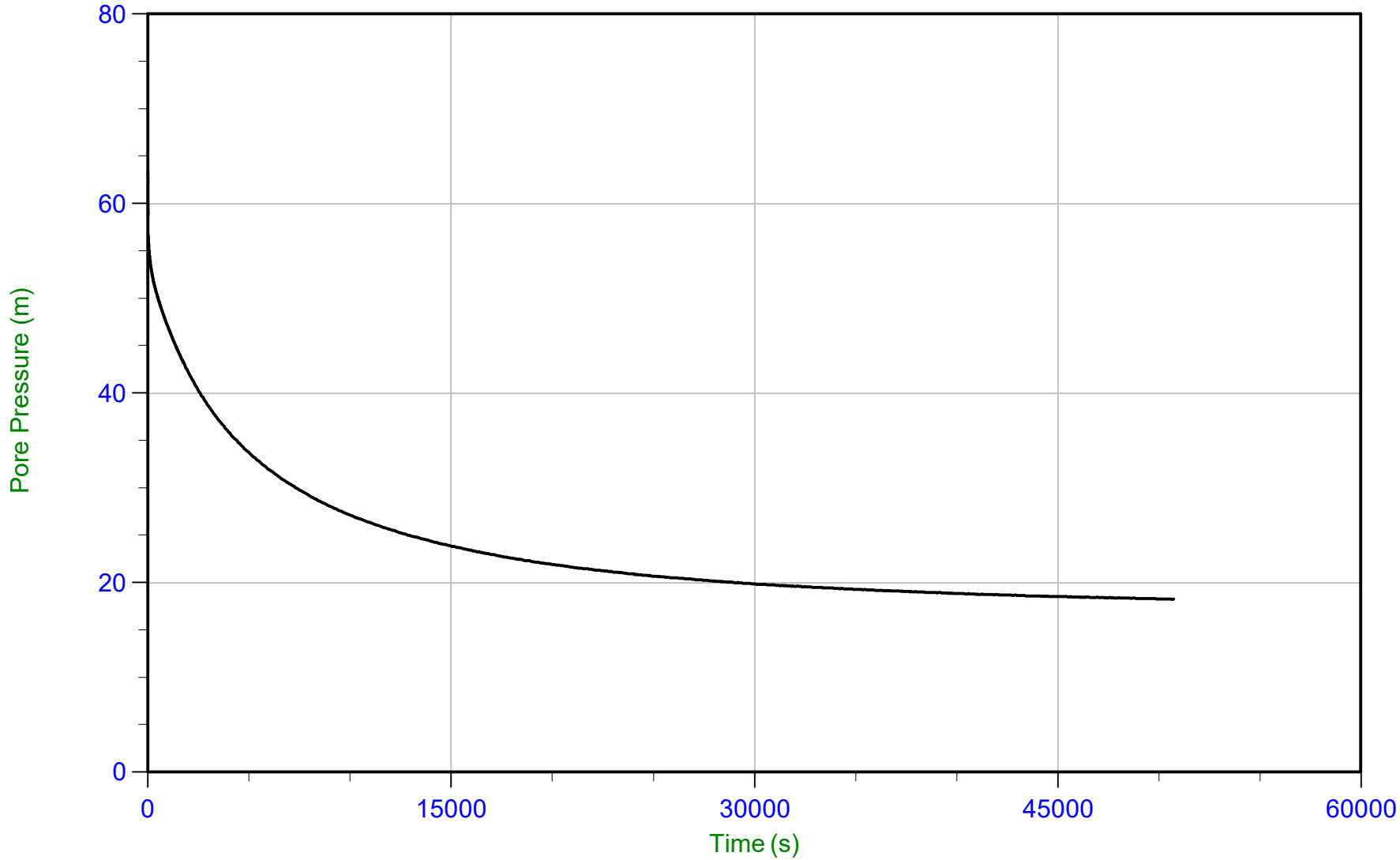
T(50): 5333.3 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/21/2022 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG03.PPF
Depth: 15.000 m / 49.212 ft
Duration: 50758.8 s

u Min: 18.2 m
u Max: 63.5 m
u Final: 18.2 m

WT: 0.100 m / 0.328 ft
Ueq: 14.9 m
U(50): 39.20 m

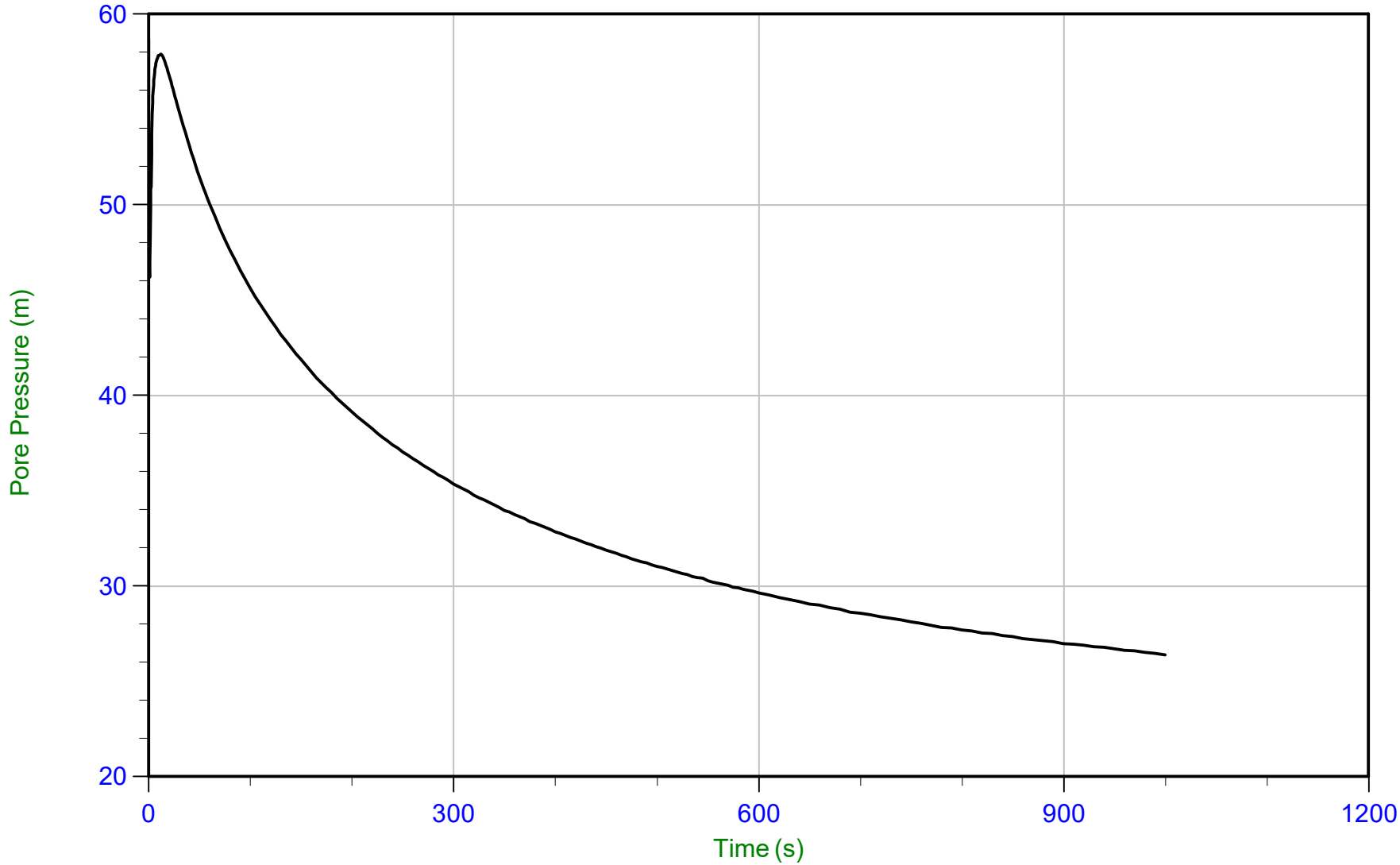
T(50): 2839.8 s
Ir: 100
Ch: 0.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/21/2022 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG03.PPF
Depth: 20.000 m / 65.616 ft
Duration: 1000.0 s

u Min: 26.4 m
u Max: 58.6 m
u Final: 26.4 m

WT: 0.100 m / 0.328 ft
Ueq: 19.9 m
U(50): 39.27 m

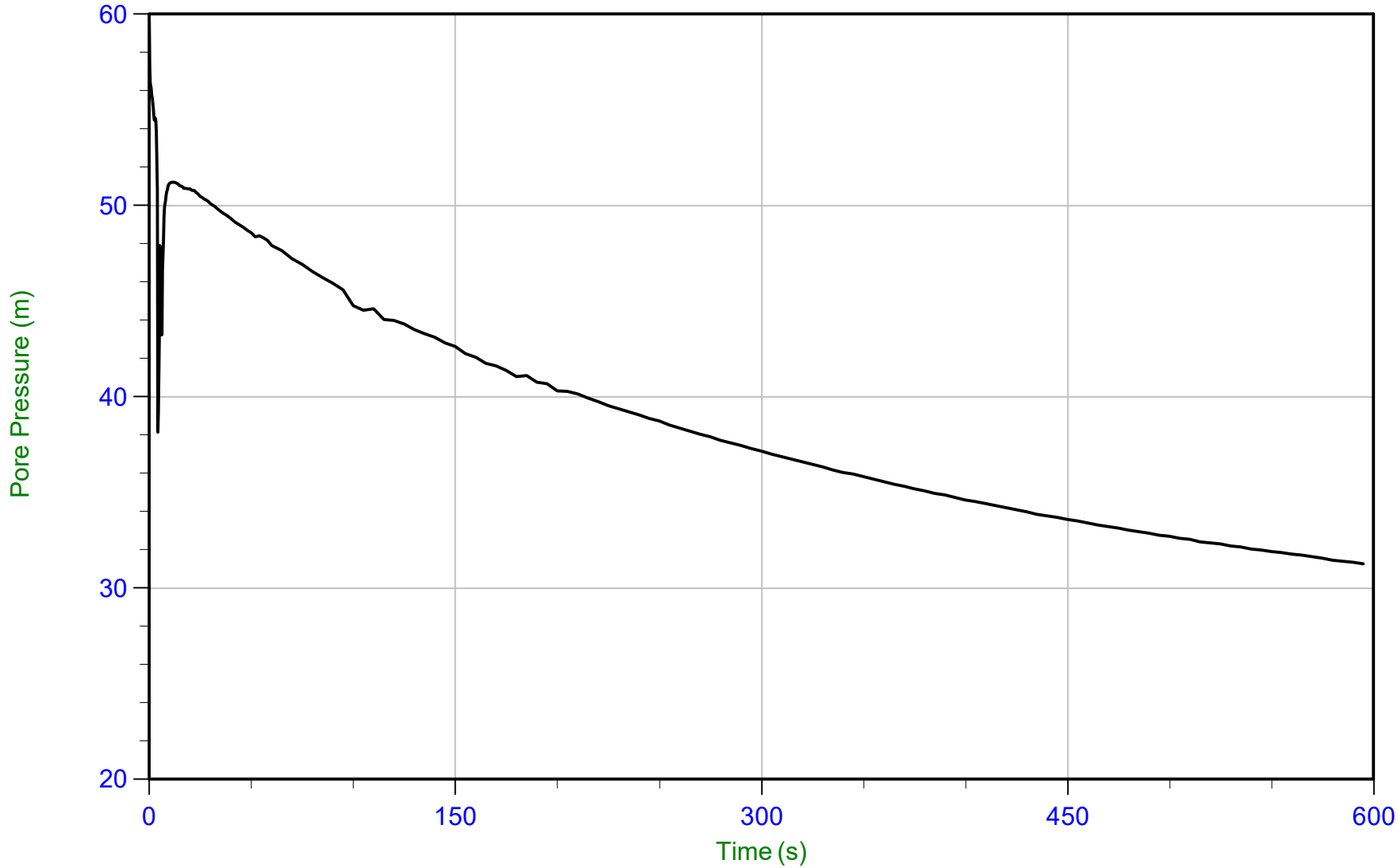
T(50): 197.0 s
Ir: 100
Ch: 3.6 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/21/2022 07:16
Site: Crawford Mine

Sounding: SRK-LG-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG03.PPF
Depth: 21.200 m / 69.553 ft
Duration: 595.1 s

u Min: 31.3 m
u Max: 59.7 m
u Final: 31.3 m

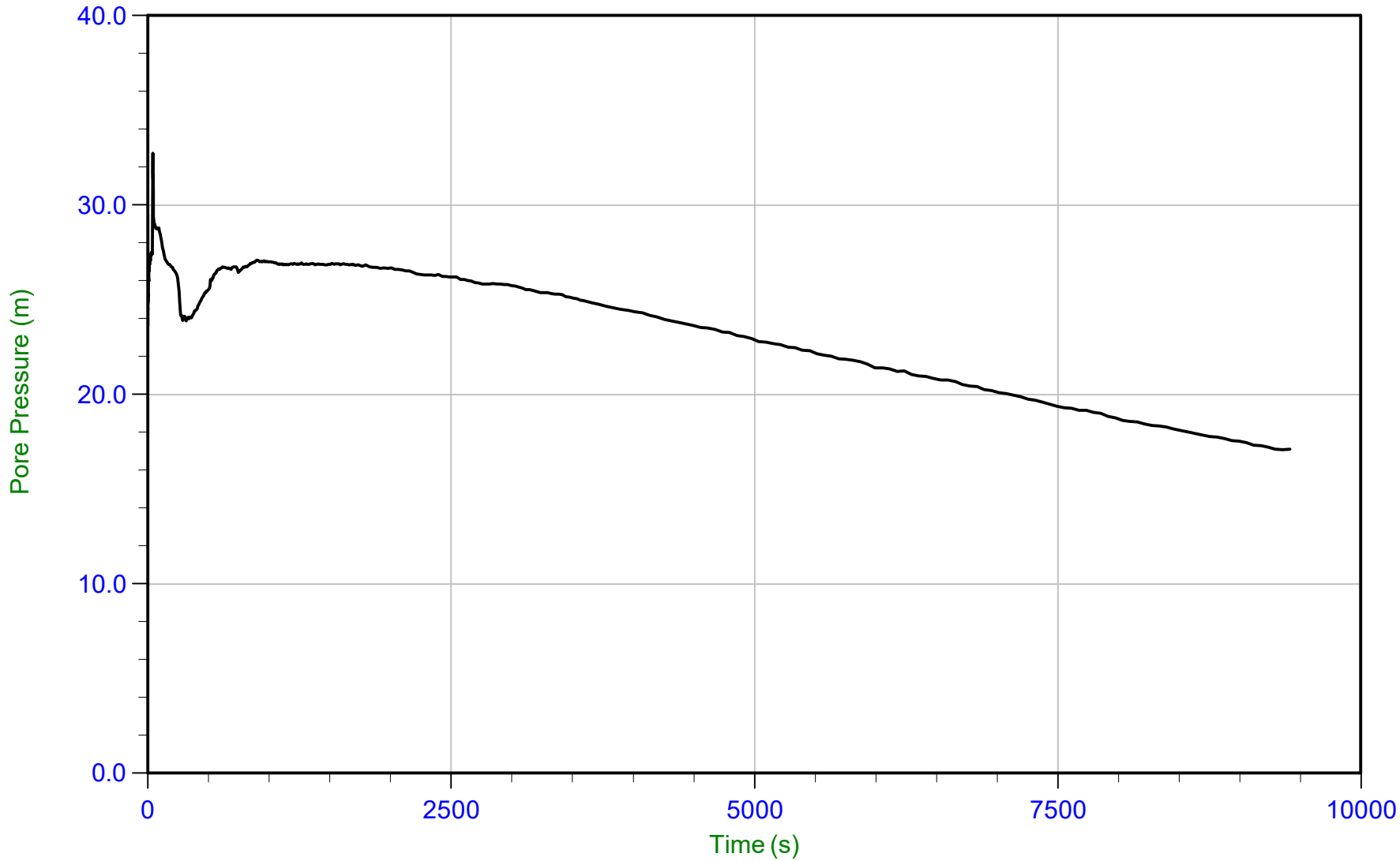
WT: 0.100 m / 0.328 ft
Ueq: 21.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/25/2021 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG05.PPF
Depth: 5.000 m / 16.404 ft
Duration: 9420.0 s

u Min: 17.1 m
u Max: 32.7 m
u Final: 17.1 m

WT: 1.000 m / 3.281 ft
Ueq: 4.0 m
U(50): 18.37 m

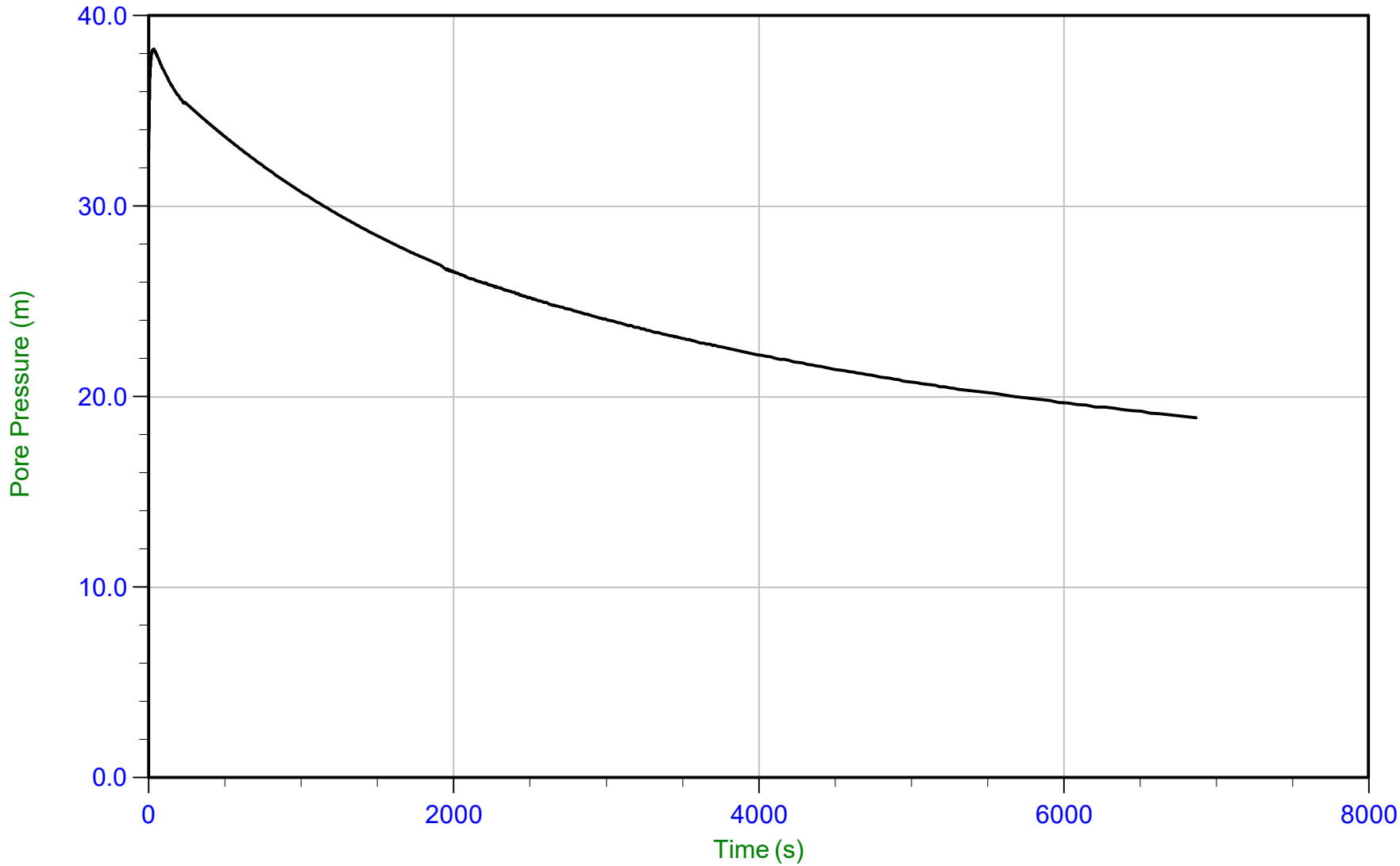
T(50): 8228.0 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/25/2021 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG05.PPF
Depth: 10.000 m / 32.808 ft
Duration: 6873.0 s

u Min: 18.9 m
u Max: 40.5 m
u Final: 18.9 m

WT: 1.000 m / 3.281 ft
Ueq: 9.0 m
U(50): 24.75 m

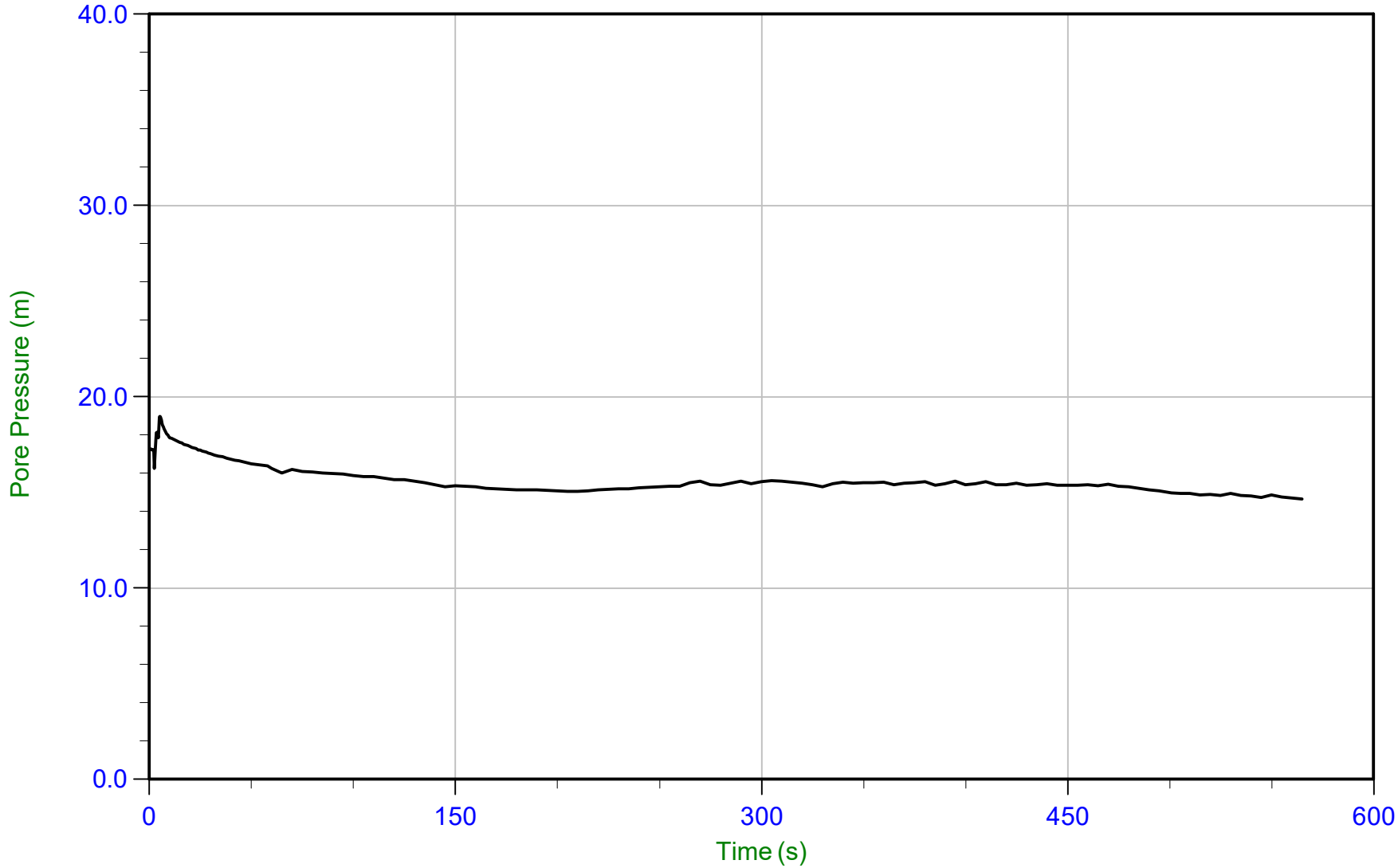
T(50): 2686.2 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/25/2021 10:21
Site: Crawford Mine

Sounding: SRK-LG-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG05.PPF
Depth: 14.350 m / 47.079 ft
Duration: 565.0 s

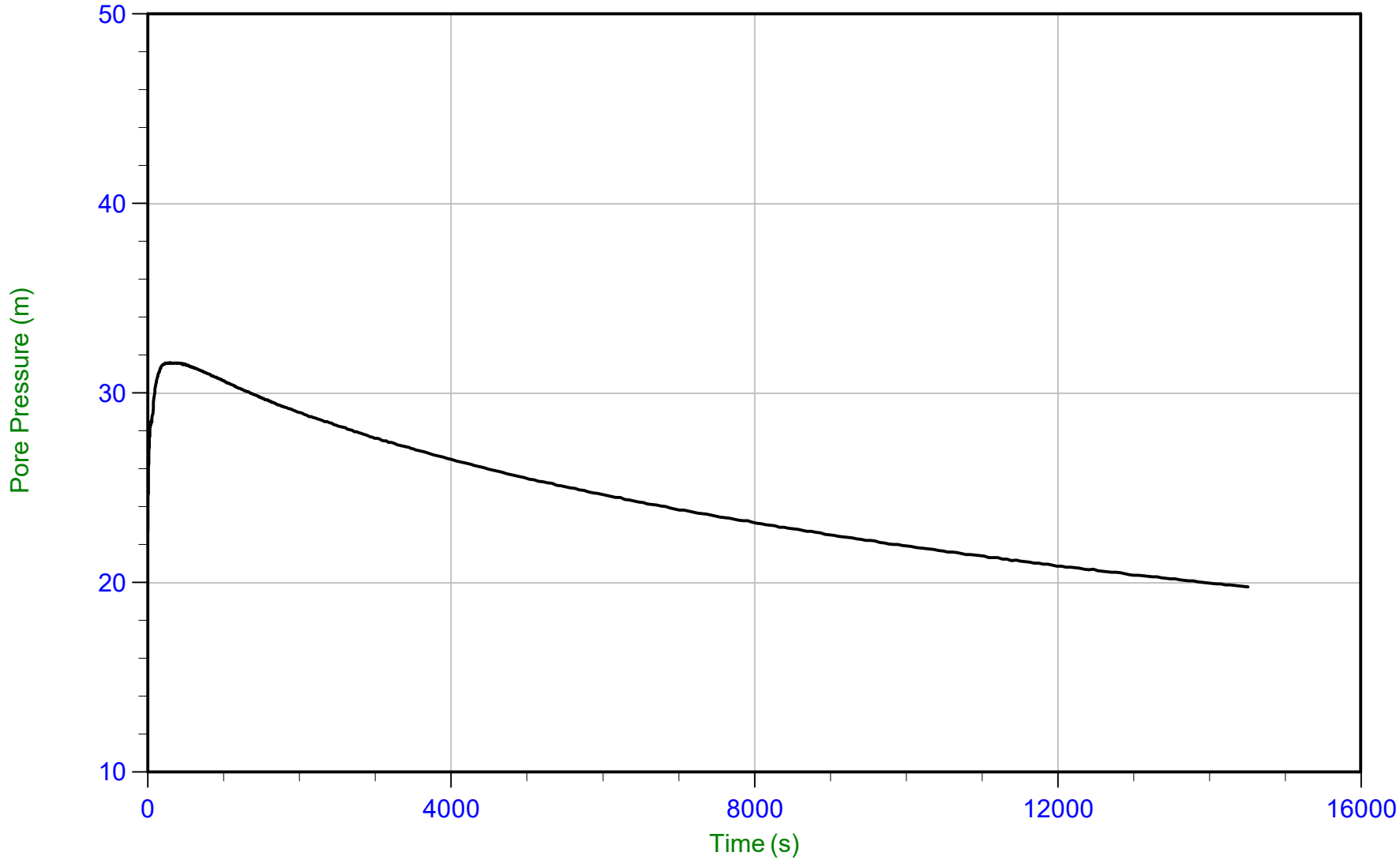
u Min: 14.7 m
u Max: 19.0 m
u Final: 14.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/06/2022 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG06.PPF
Depth: 5.000 m / 16.404 ft
Duration: 14519.9 s

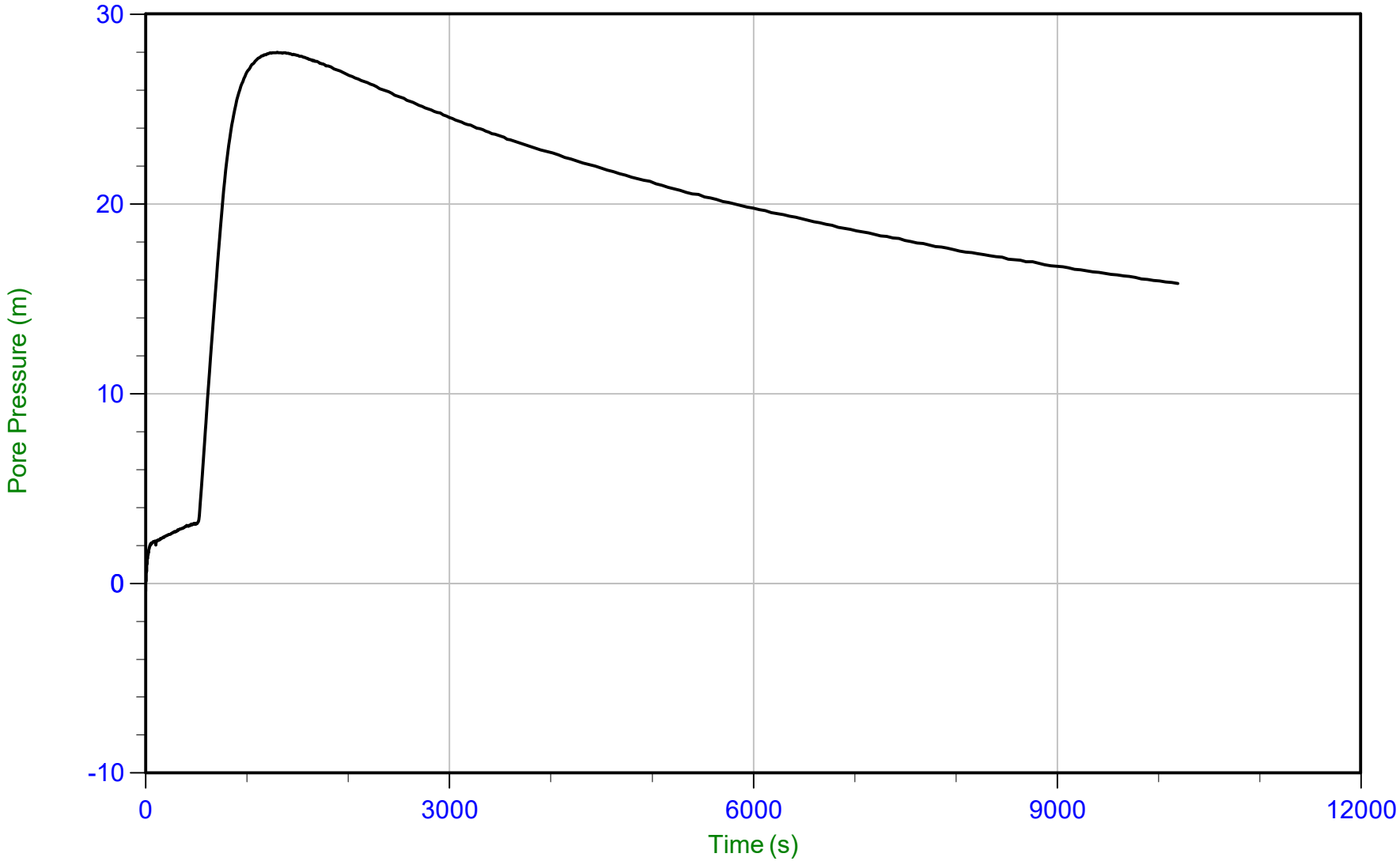
u Min: 19.8 m
u Max: 31.6 m
u Final: 19.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/06/2022 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG06.PPF
Depth: 10.000 m / 32.808 ft
Duration: 10199.9 s

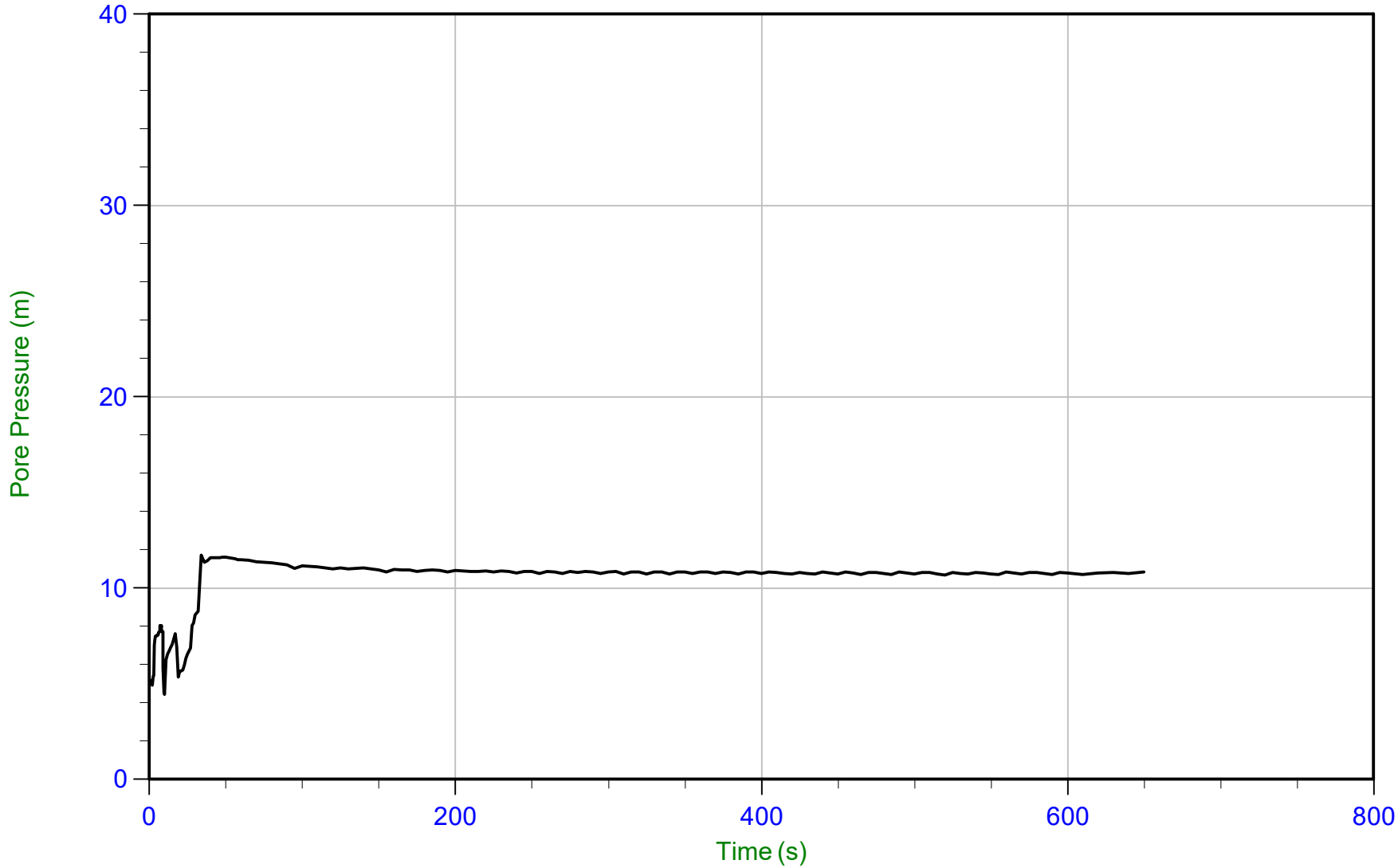
u Min: -0.4 m
u Max: 28.0 m
u Final: 15.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/06/2022 00:30
Site: Crawford Mine

Sounding: SRK-LG-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLG06.PPF
Depth: 10.500 m / 34.448 ft
Duration: 650.0 s

u Min: 4.4 m
u Max: 11.7 m
u Final: 10.8 m

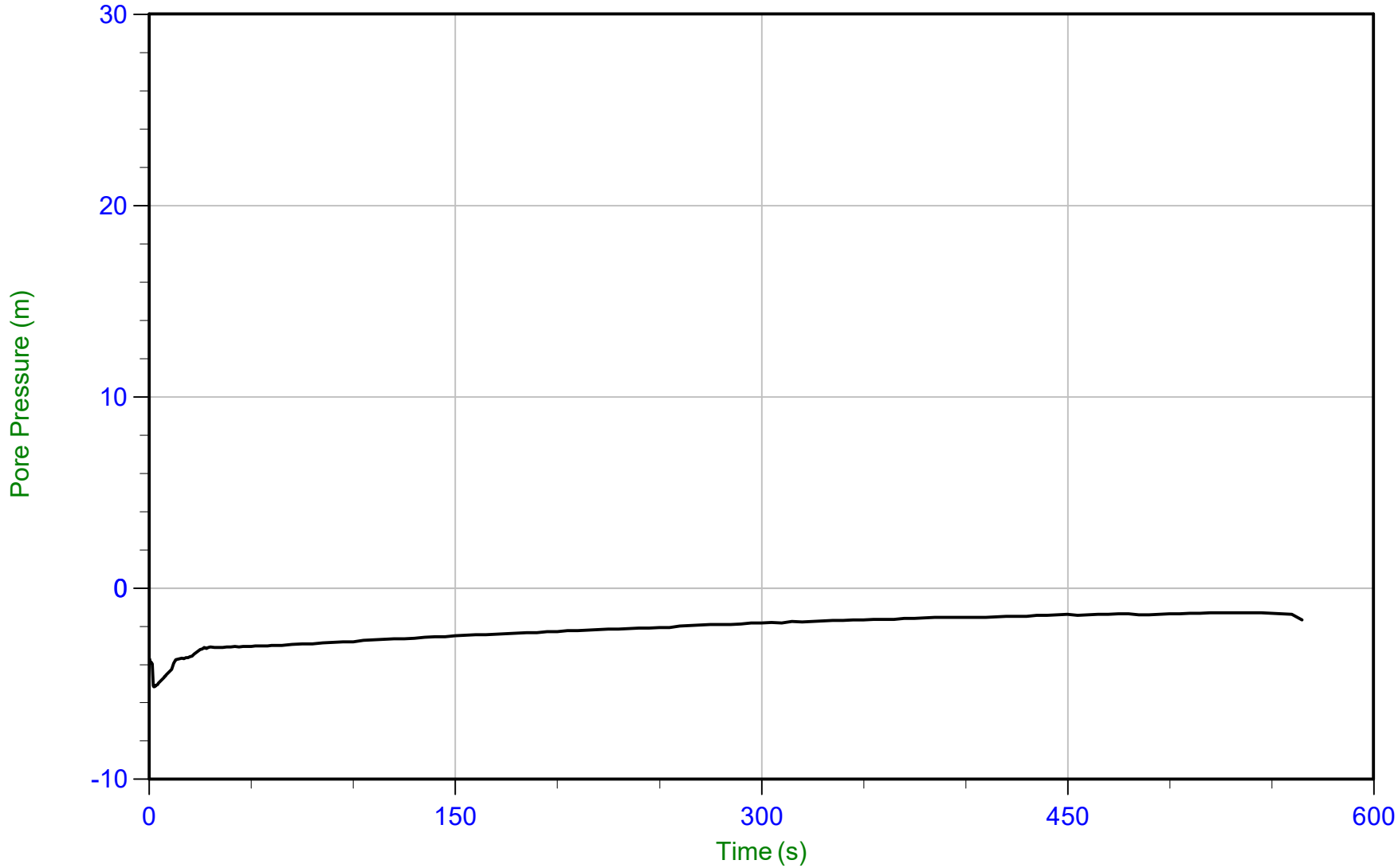
WT: -0.237 m / -0.778 ft
Ueq: 10.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS01.PPF
Depth: 1.000 m / 3.281 ft
Duration: 565.0 s

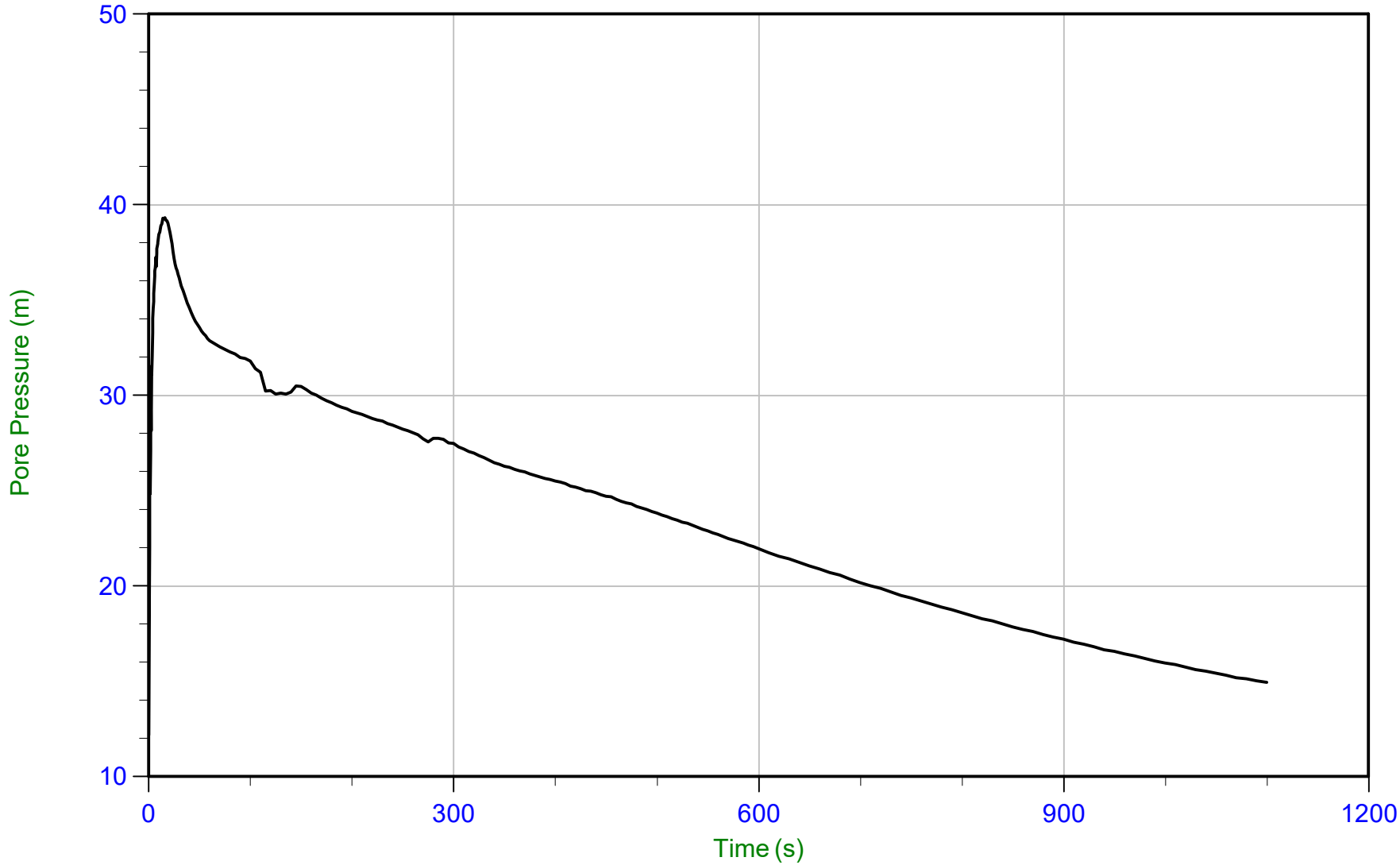
u Min: -5.2 m
u Max: -1.3 m
u Final: -1.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS01.PPF
Depth: 3.000 m / 9.842 ft
Duration: 1100.0 s

u Min: 12.2 m
u Max: 39.3 m
u Final: 14.9 m

WT: 0.900 m / 2.953 ft
Ueq: 2.1 m
U(50): 20.71 m

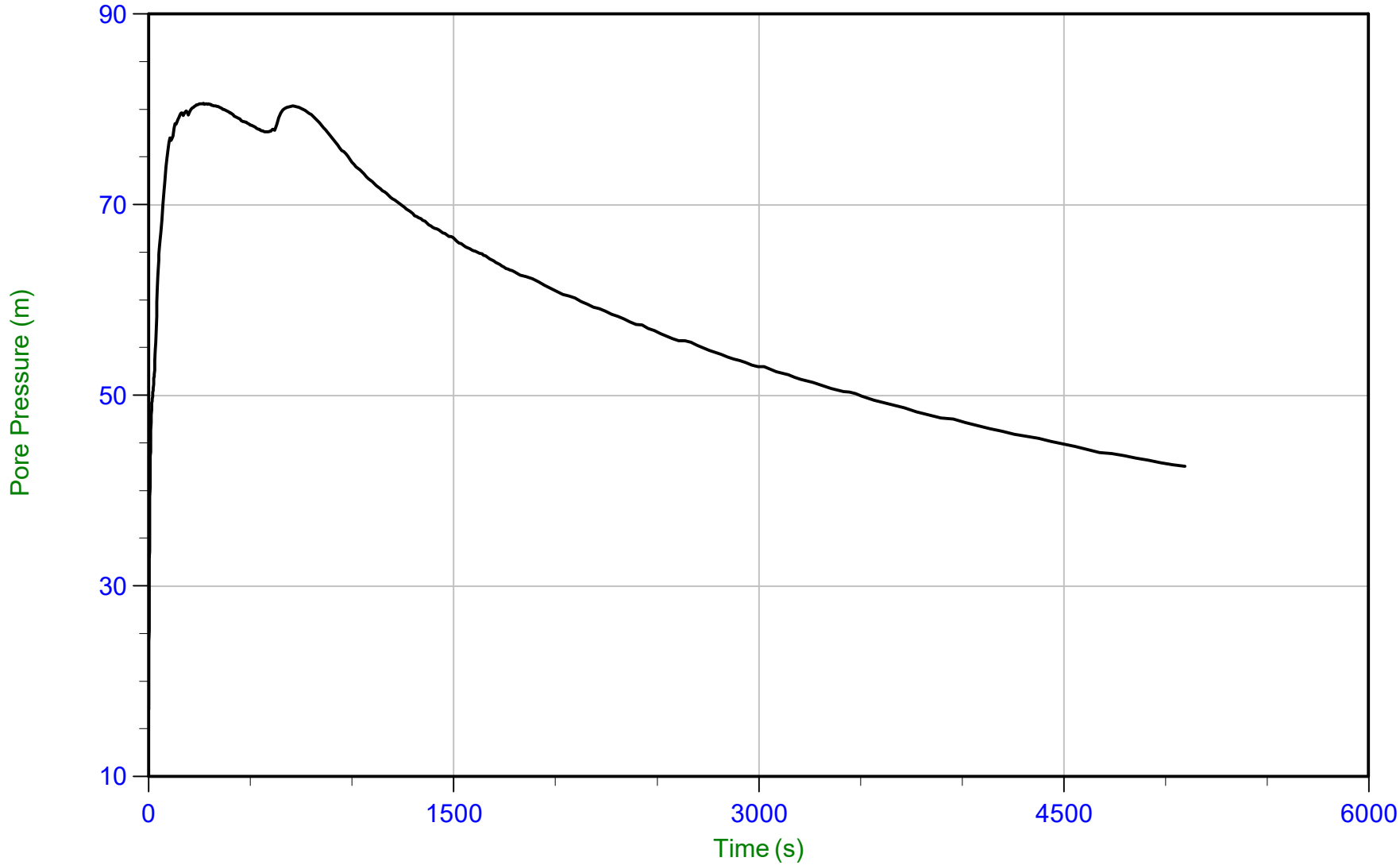
T(50): 653.6 s
Ir: 100
Ch: 1.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 10:27
Site: Crawford Mine

Sounding: SRK-LGS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS01.PPF
Depth: 5.000 m / 16.404 ft
Duration: 5099.8 s

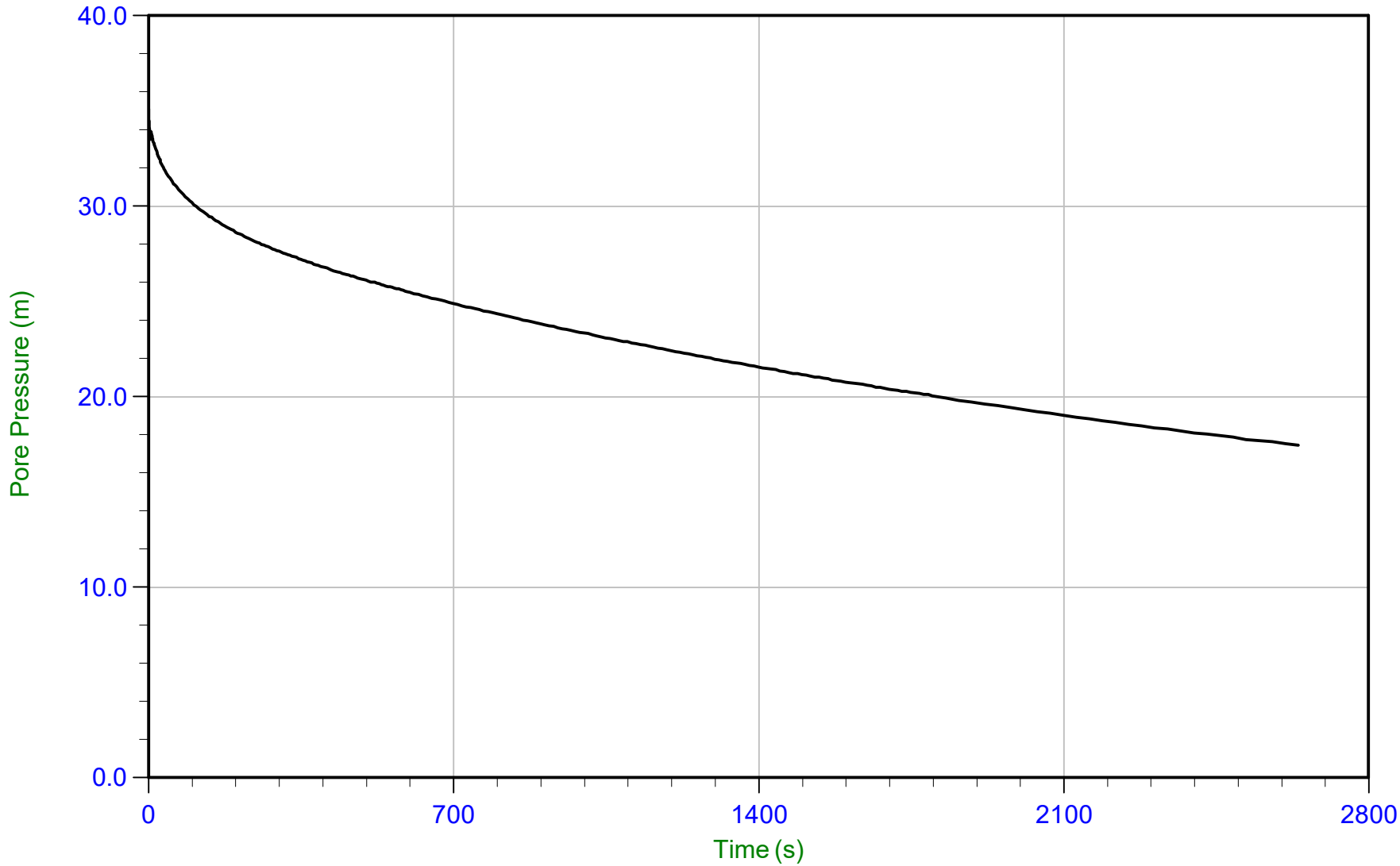
u Min: 17.1 m
u Max: 80.6 m
u Final: 42.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS05.PPF
Depth: 5.000 m / 16.404 ft
Duration: 2640.0 s

u Min: 17.5 m
u Max: 35.1 m
u Final: 17.5 m

WT: 0.900 m / 2.953 ft
Ueq: 4.1 m
U(50): 19.60 m

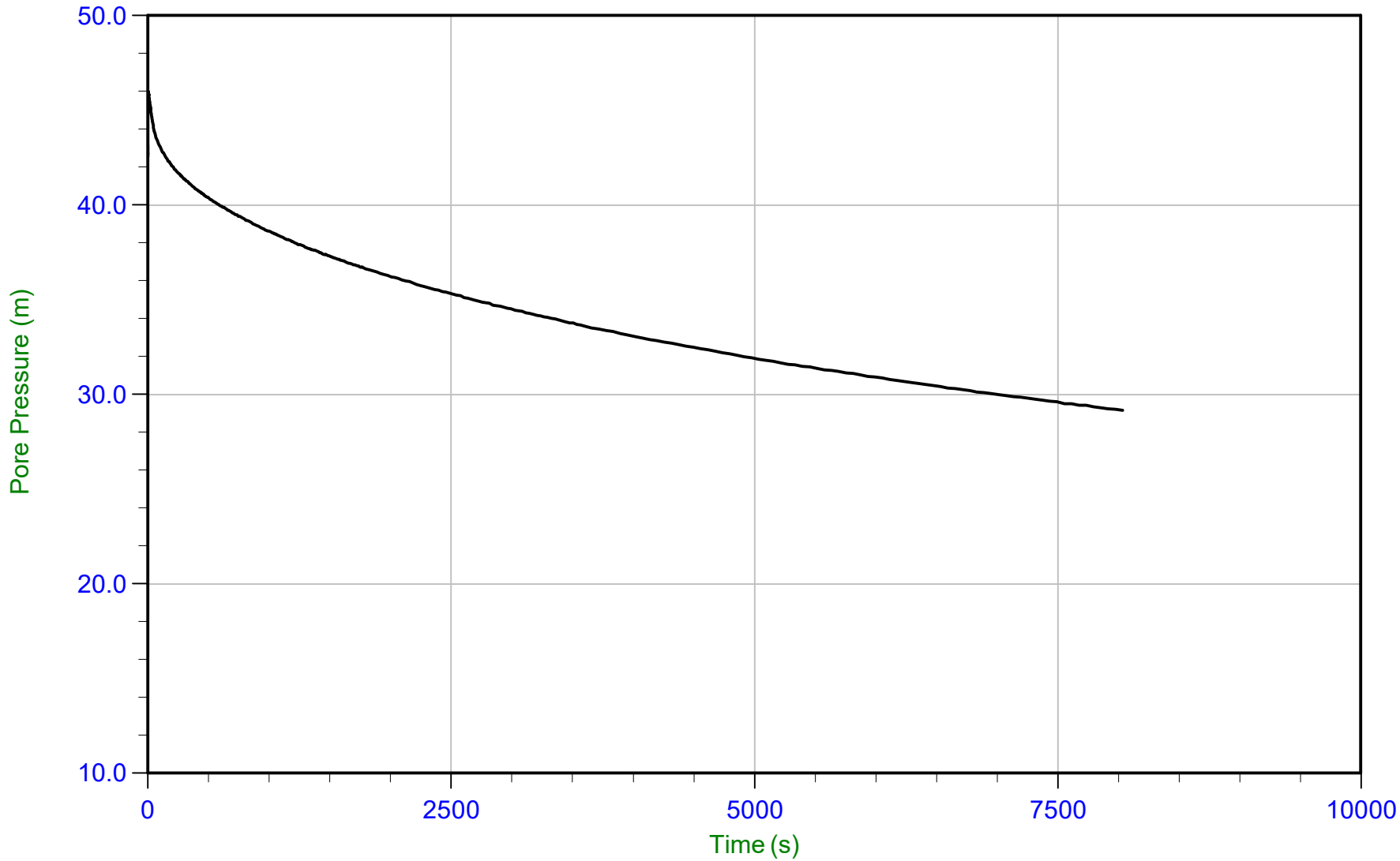
T(50): 1926.7 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS05.PPF
Depth: 10.000 m / 32.808 ft
Duration: 8040.0 s

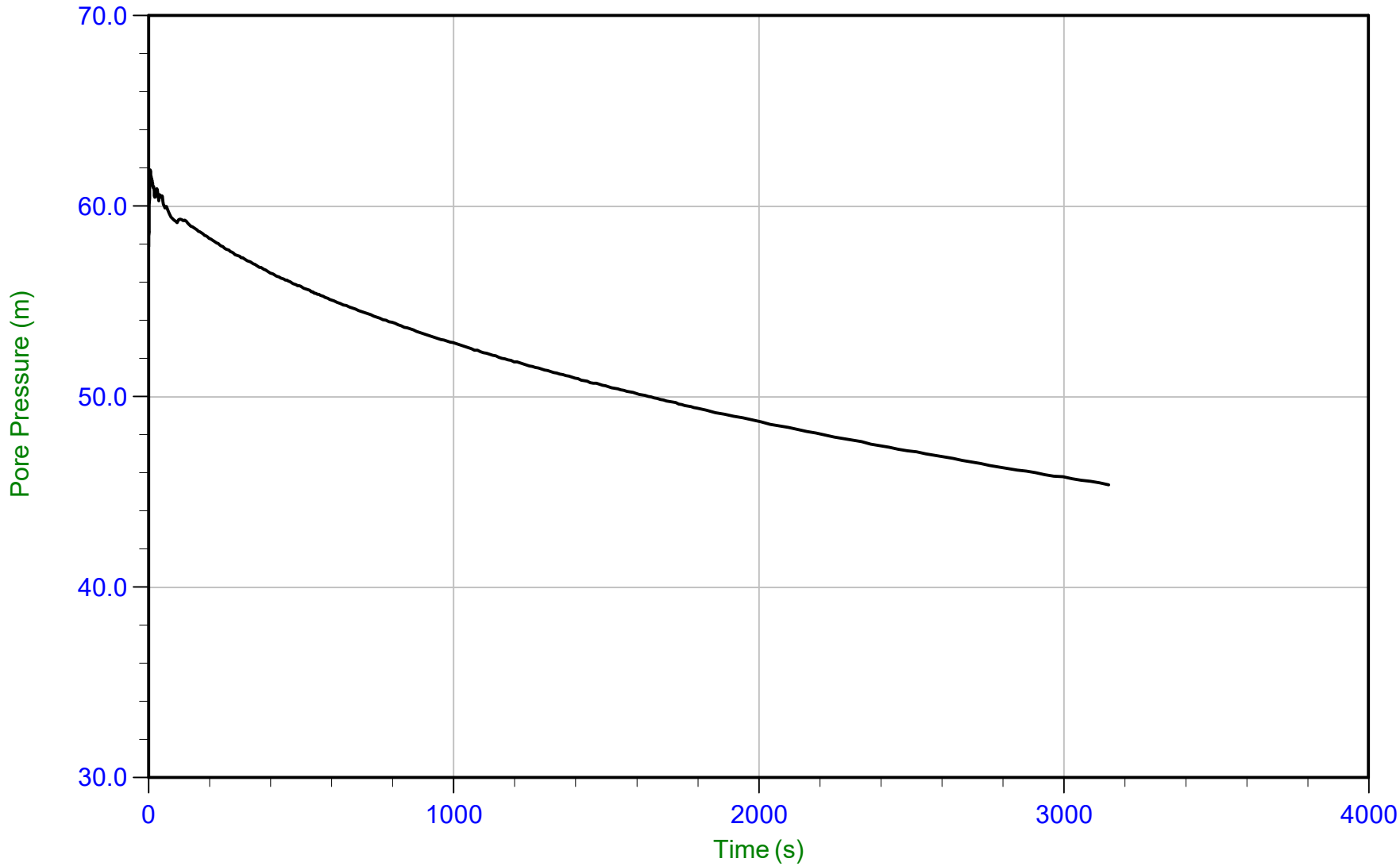
u Min: 29.1 m
u Max: 46.0 m
u Final: 29.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS05.PPF
Depth: 15.000 m / 49.212 ft
Duration: 3150.0 s

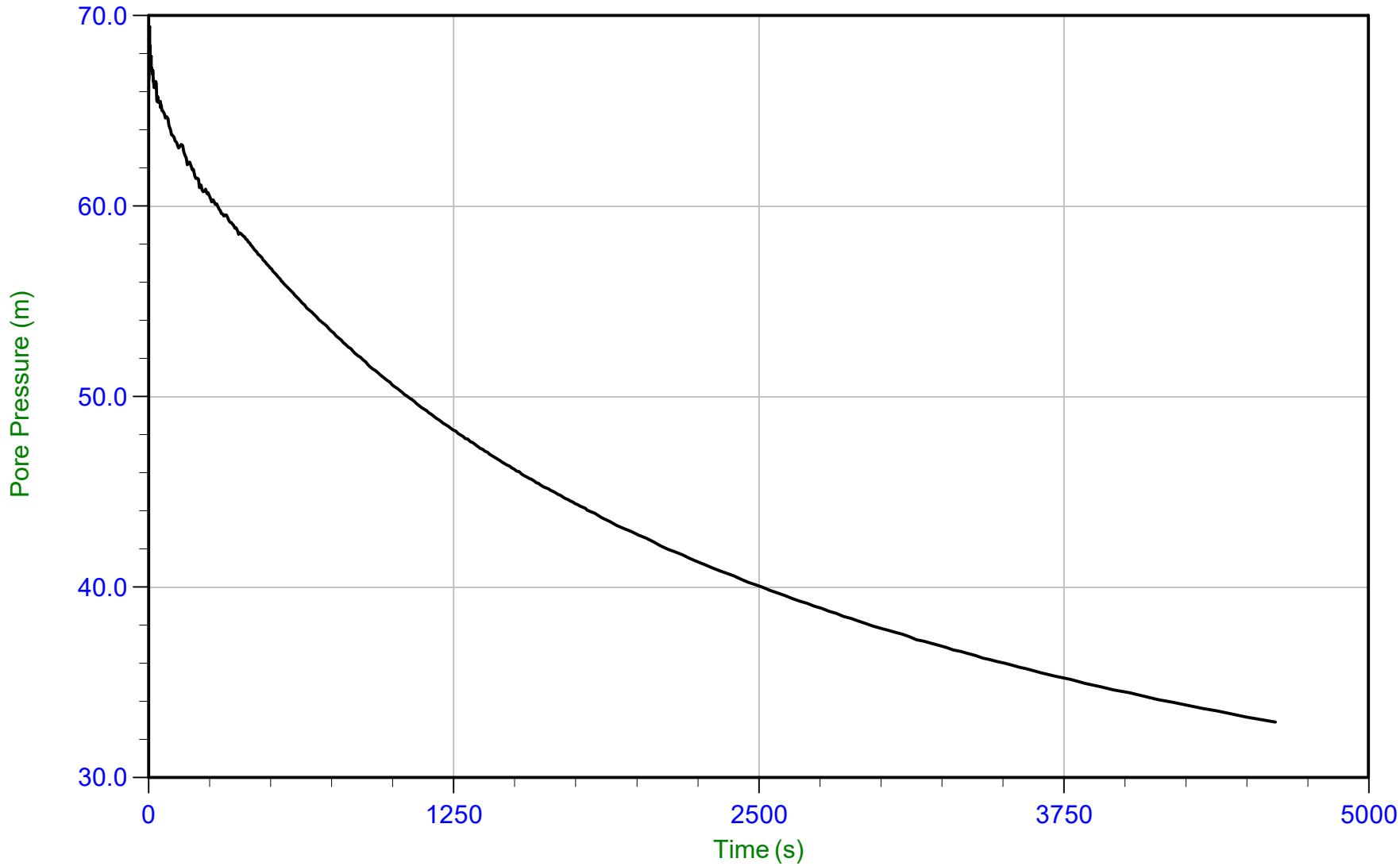
u Min: 45.4 m
u Max: 61.9 m
u Final: 45.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS05.PPF
Depth: 20.000 m / 65.616 ft
Duration: 4620.0 s

u Min: 32.9 m
u Max: 69.4 m
u Final: 32.9 m

WT: 0.900 m / 2.953 ft
Ueq: 19.1 m
U(50): 44.27 m

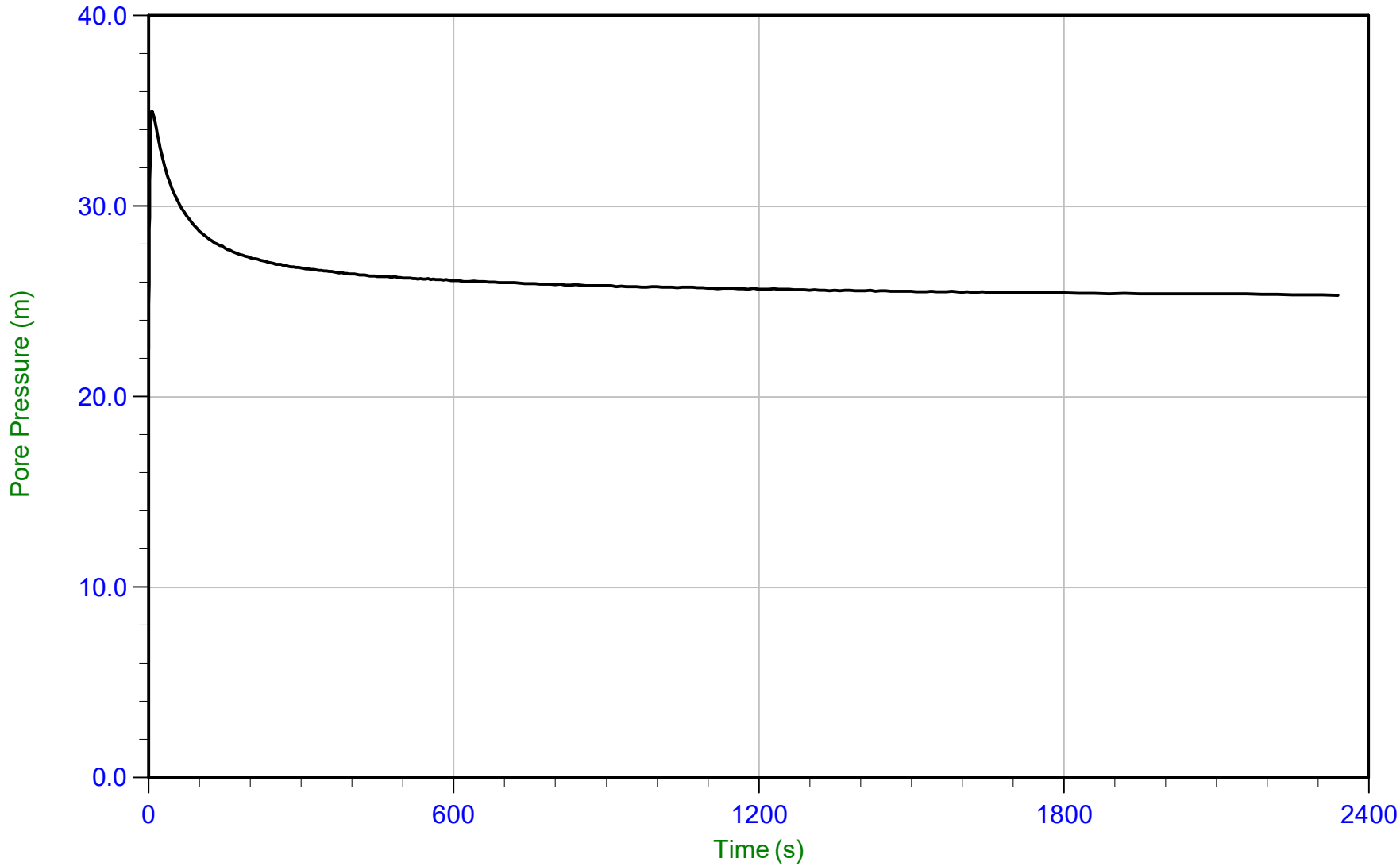
T(50): 1764.1 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS05.PPF
Depth: 25.000 m / 82.020 ft
Duration: 2340.0 s

u Min: 22.5 m
u Max: 35.0 m
u Final: 25.3 m

WT: 0.900 m / 2.953 ft
Ueq: 24.1 m
U(50): 29.54 m

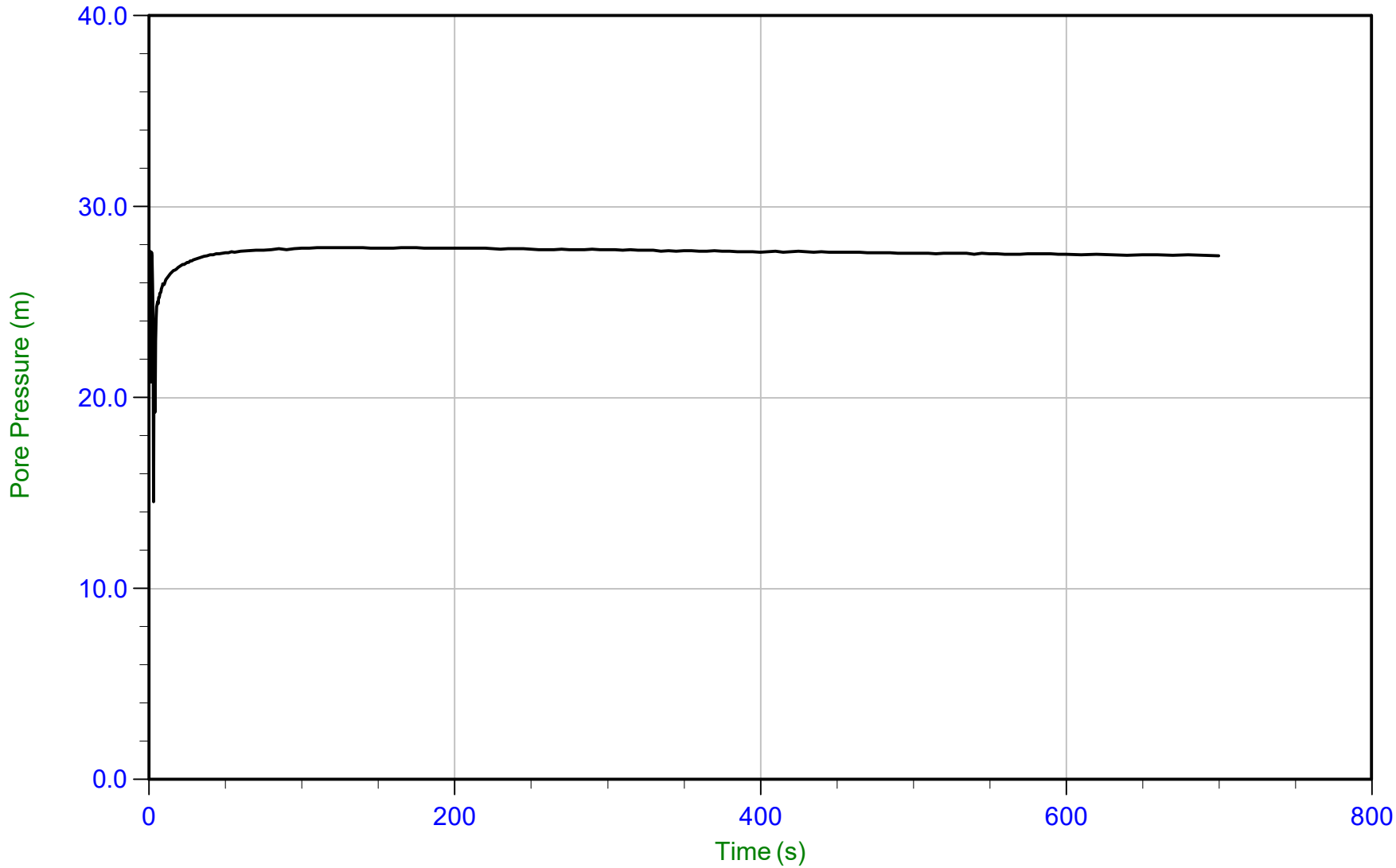
T(50): 67.3 s
Ir: 100
Ch: 10.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/21/2021 11:24
Site: Crawford Mine

Sounding: SRK-LGS-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPLGS05.PPF
Depth: 27.350 m / 89.730 ft
Duration: 700.0 s

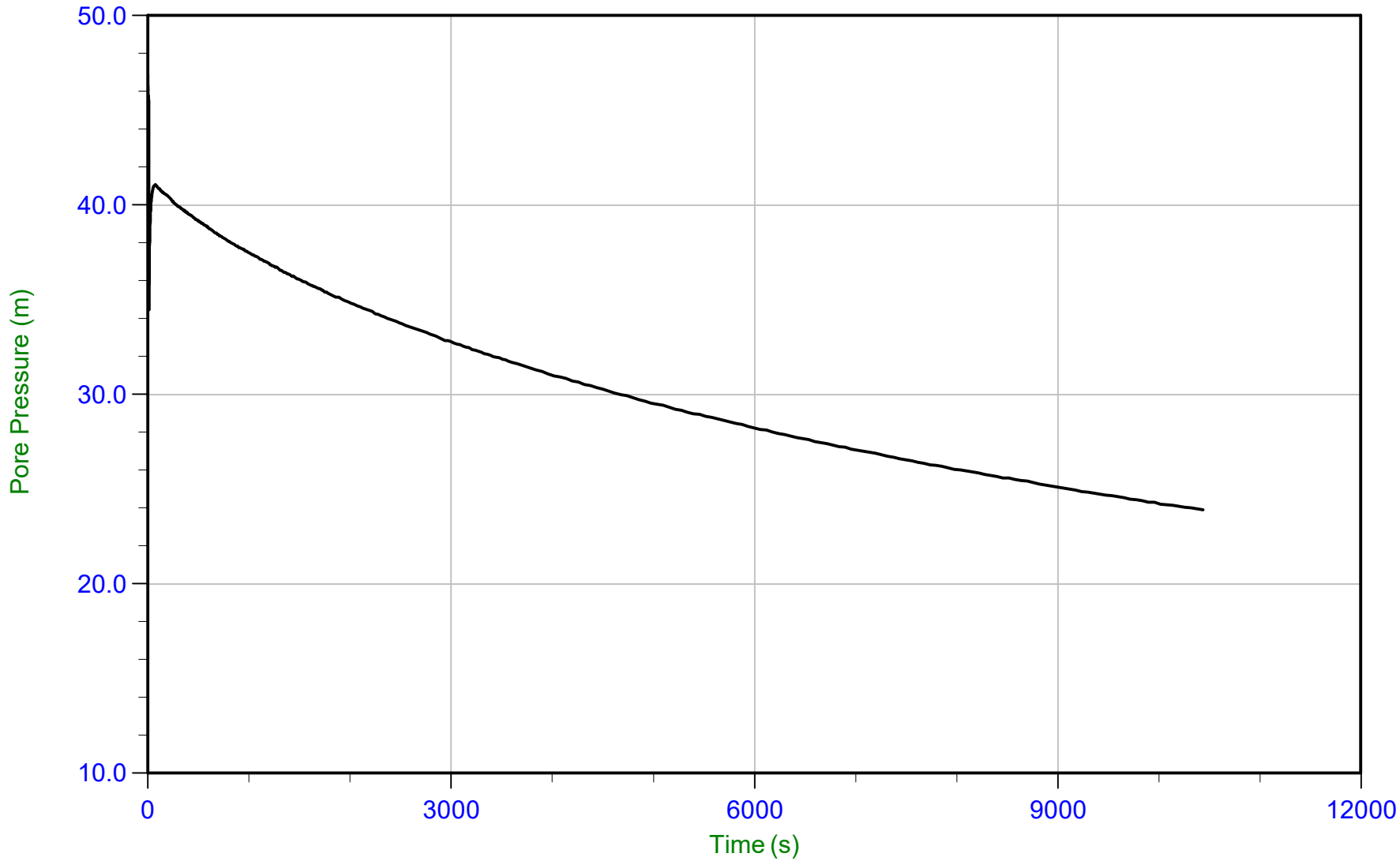
u Min: 14.6 m
u Max: 27.9 m
u Final: 27.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR01.PPF
Depth: 5.000 m / 16.404 ft
Duration: 10440.0 s

u Min: 23.9 m
u Max: 46.9 m
u Final: 23.9 m

WT: 3.861 m / 12.667 ft
Ueq: 1.1 m
U(50): 24.02 m

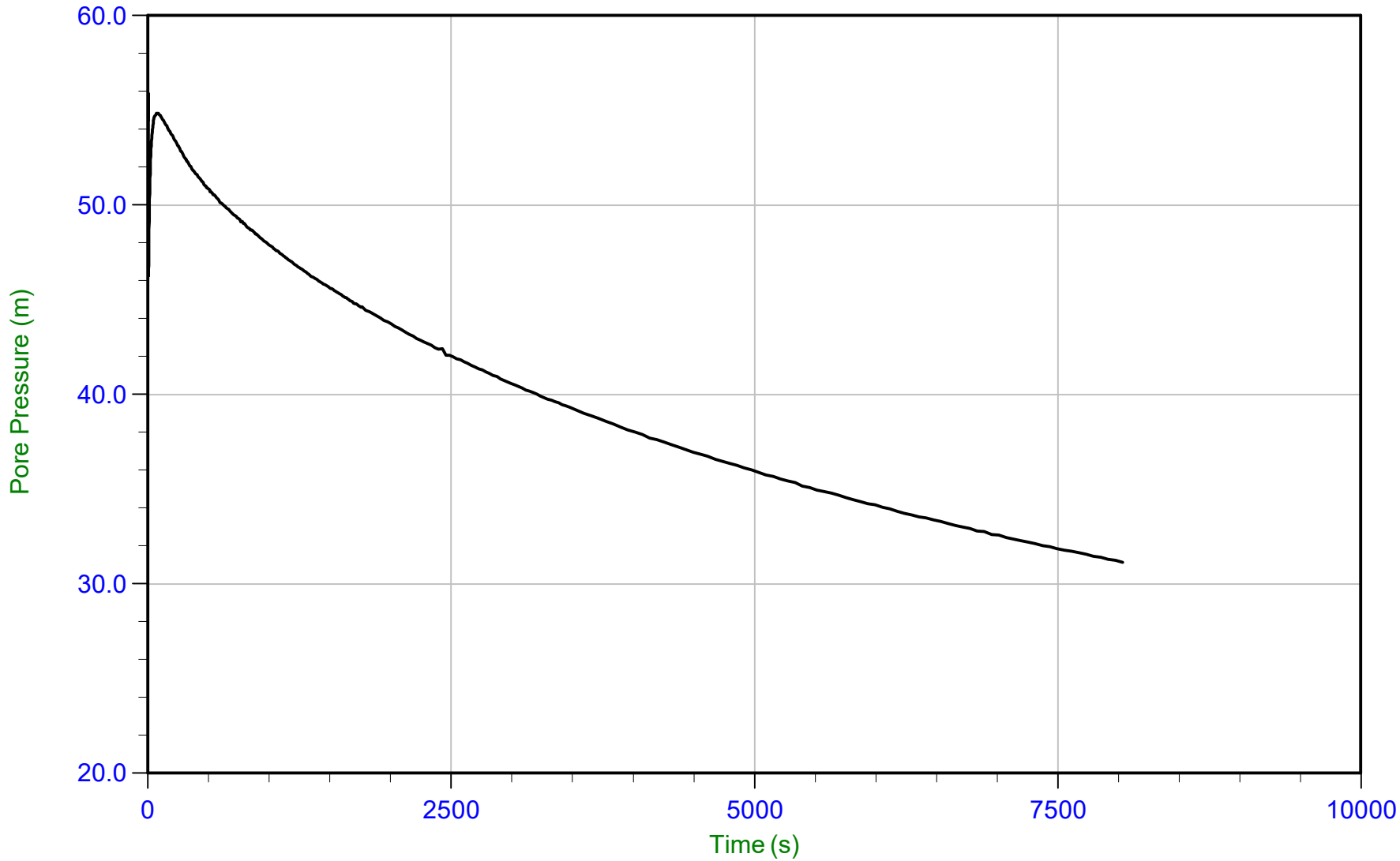
T(50): 10291.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR01.PPF
Depth: 10.000 m / 32.808 ft
Duration: 8040.0 s

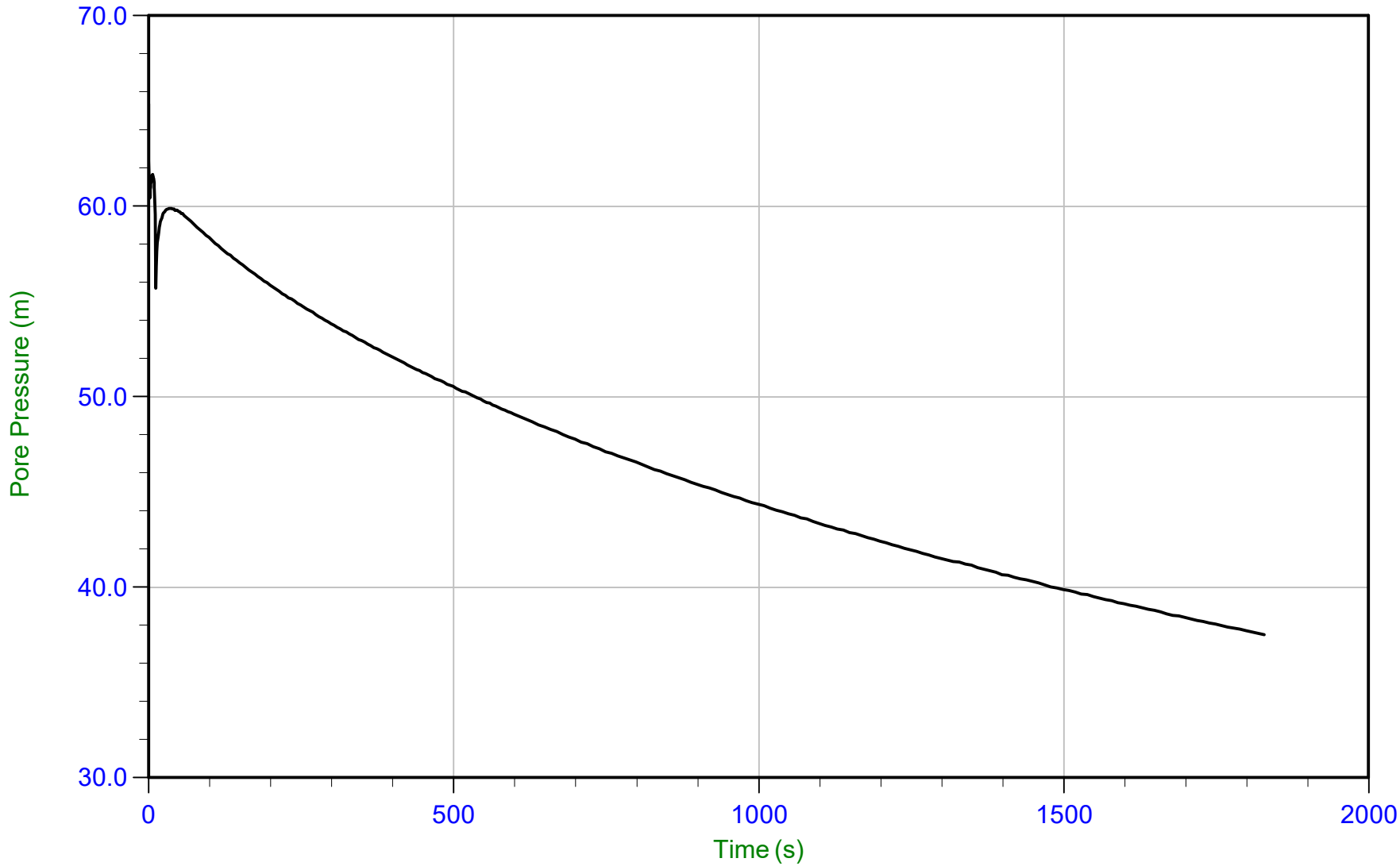
u Min: 31.1 m
u Max: 55.9 m
u Final: 31.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR01.PPF
Depth: 15.000 m / 49.212 ft
Duration: 1830.0 s

u Min: 37.5 m
u Max: 65.4 m
u Final: 37.5 m

WT: 3.861 m / 12.667 ft
Ueq: 11.1 m
U(50): 38.25 m

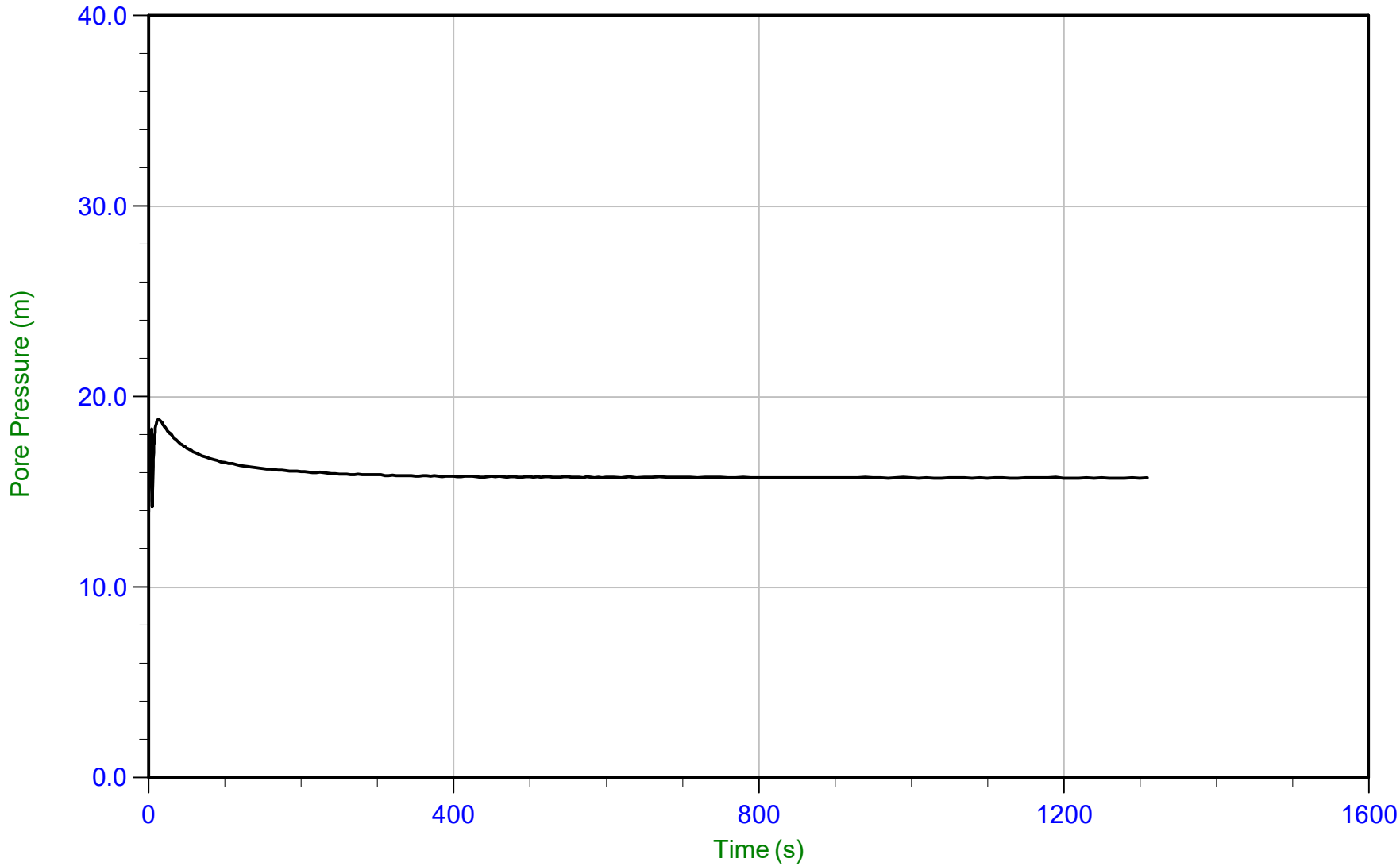
T(50): 1719.2 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR01.PPF
Depth: 19.650 m / 64.468 ft
Duration: 1310.0 s

u Min: 13.9 m
u Max: 18.8 m
u Final: 15.7 m

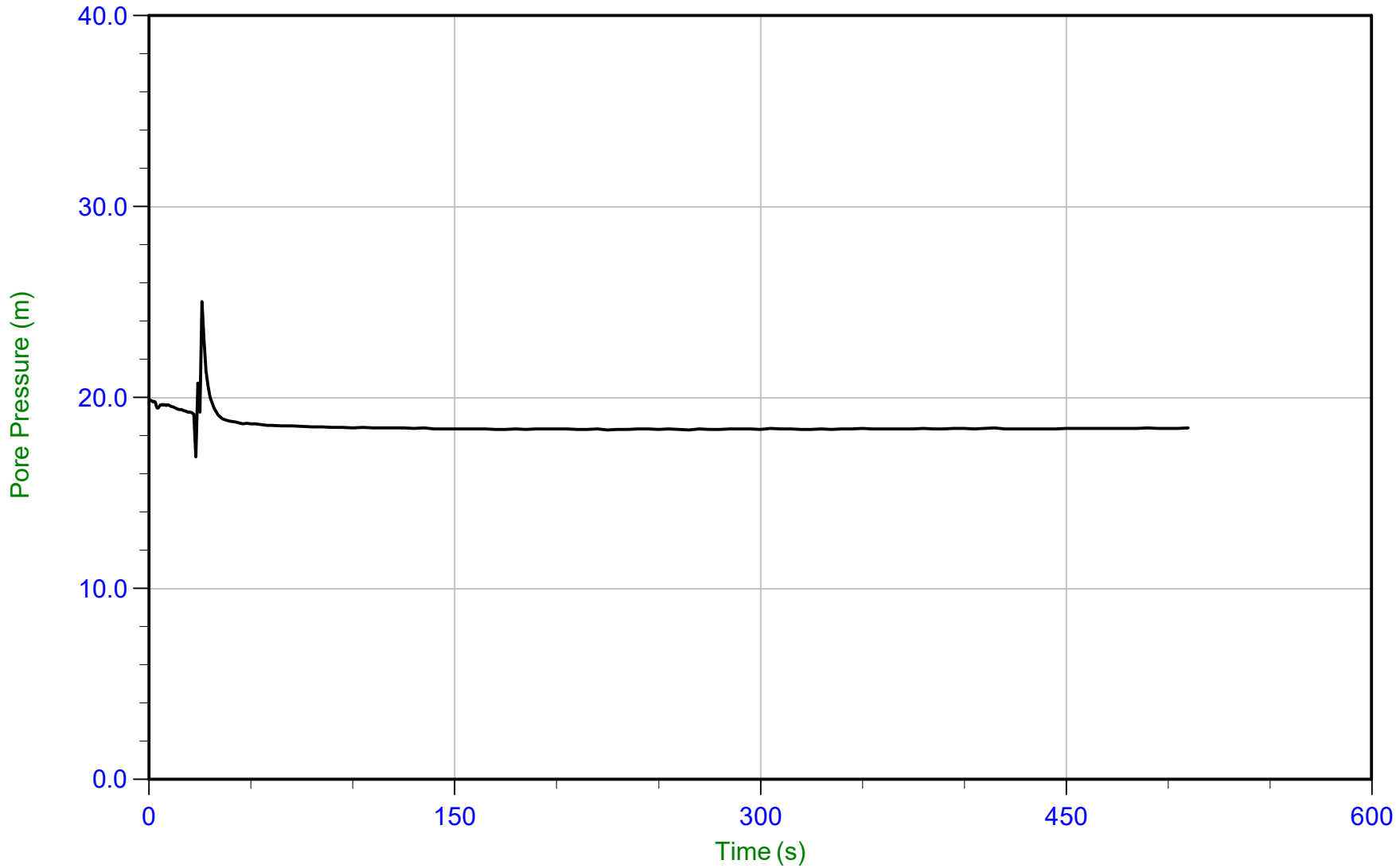
WT: 3.861 m / 12.667 ft
Ueq: 15.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 06:29
Site: Crawford Mine

Sounding: SRK-NWR-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR01.PPF
Depth: 22.400 m / 73.490 ft
Duration: 510.0 s

u Min: 16.9 m
u Max: 25.0 m
u Final: 18.4 m

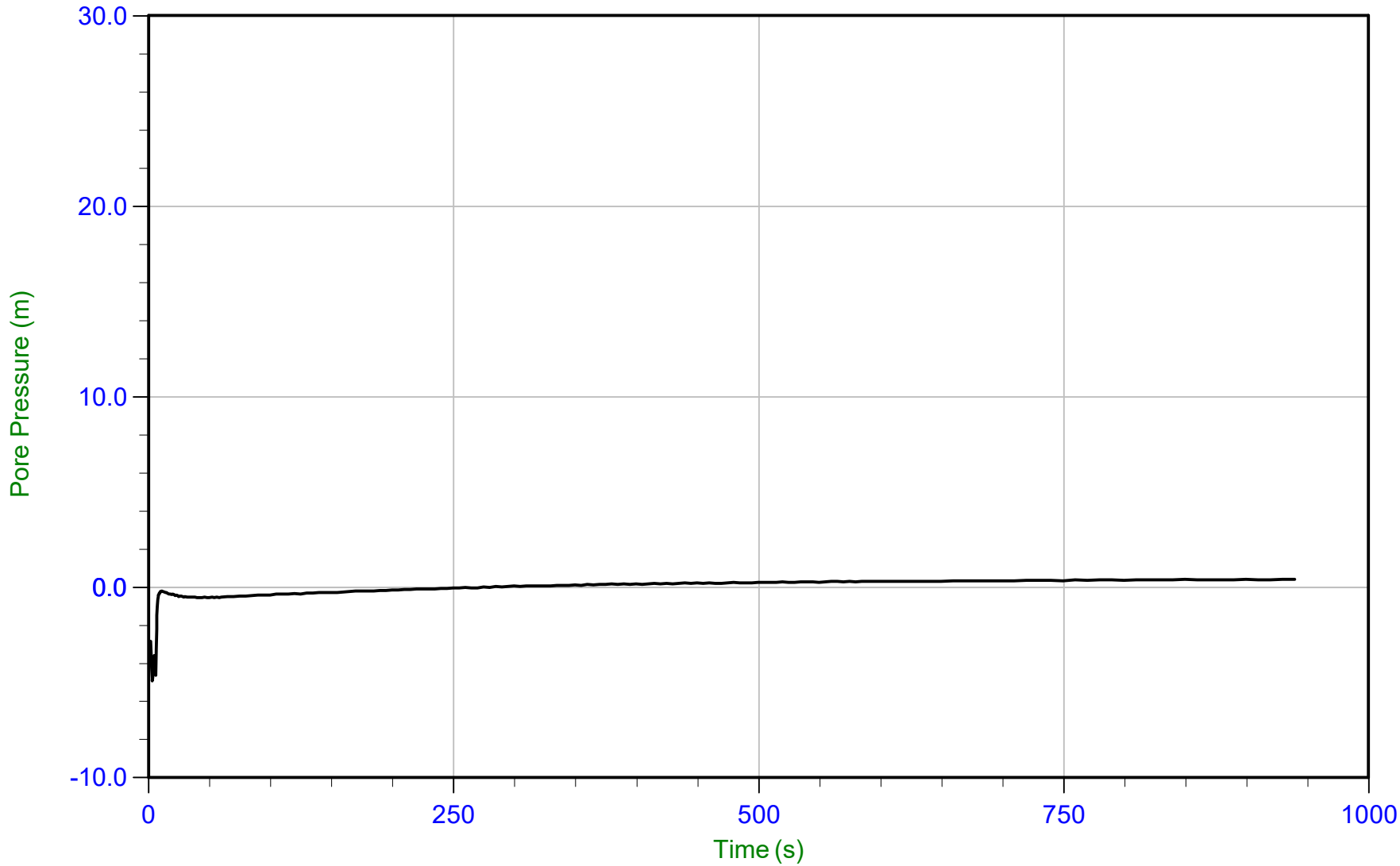
WT: 3.874 m / 12.710 ft
Ueq: 18.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/16/2021 11:09
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR07.PPF
Depth: 2.300 m / 7.546 ft
Duration: 940.0 s

u Min: -4.9 m
u Max: 0.4 m
u Final: 0.4 m

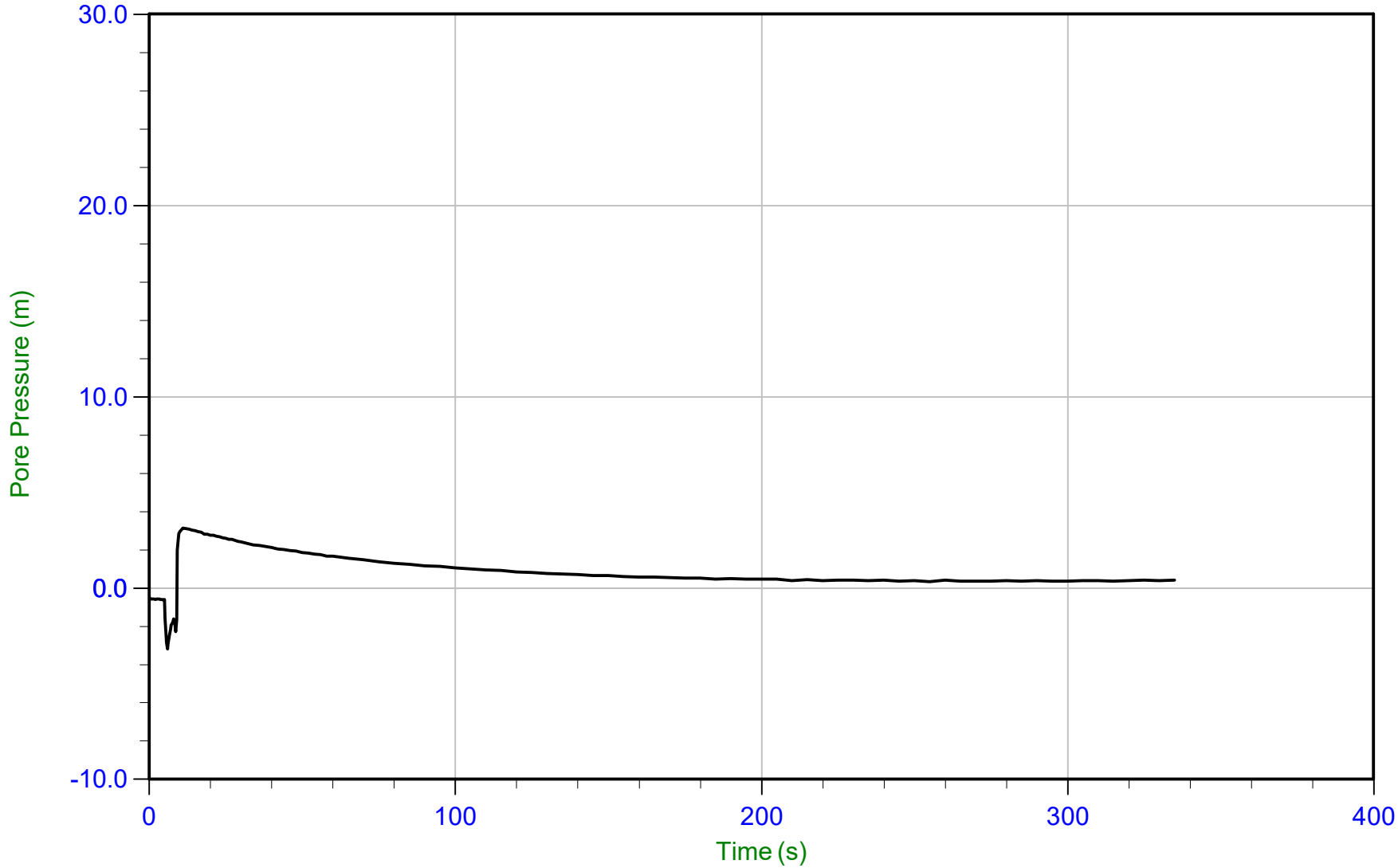
WT: 1.879 m / 6.165 ft
Ueq: 0.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/16/2021 11:49
Site: Crawford Mine

Sounding: SRK-NWR-CPT-07B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPNWR07B.PPF
Depth: 2.300 m / 7.546 ft
Duration: 335.0 s

u Min: -3.2 m
u Max: 3.1 m
u Final: 0.4 m

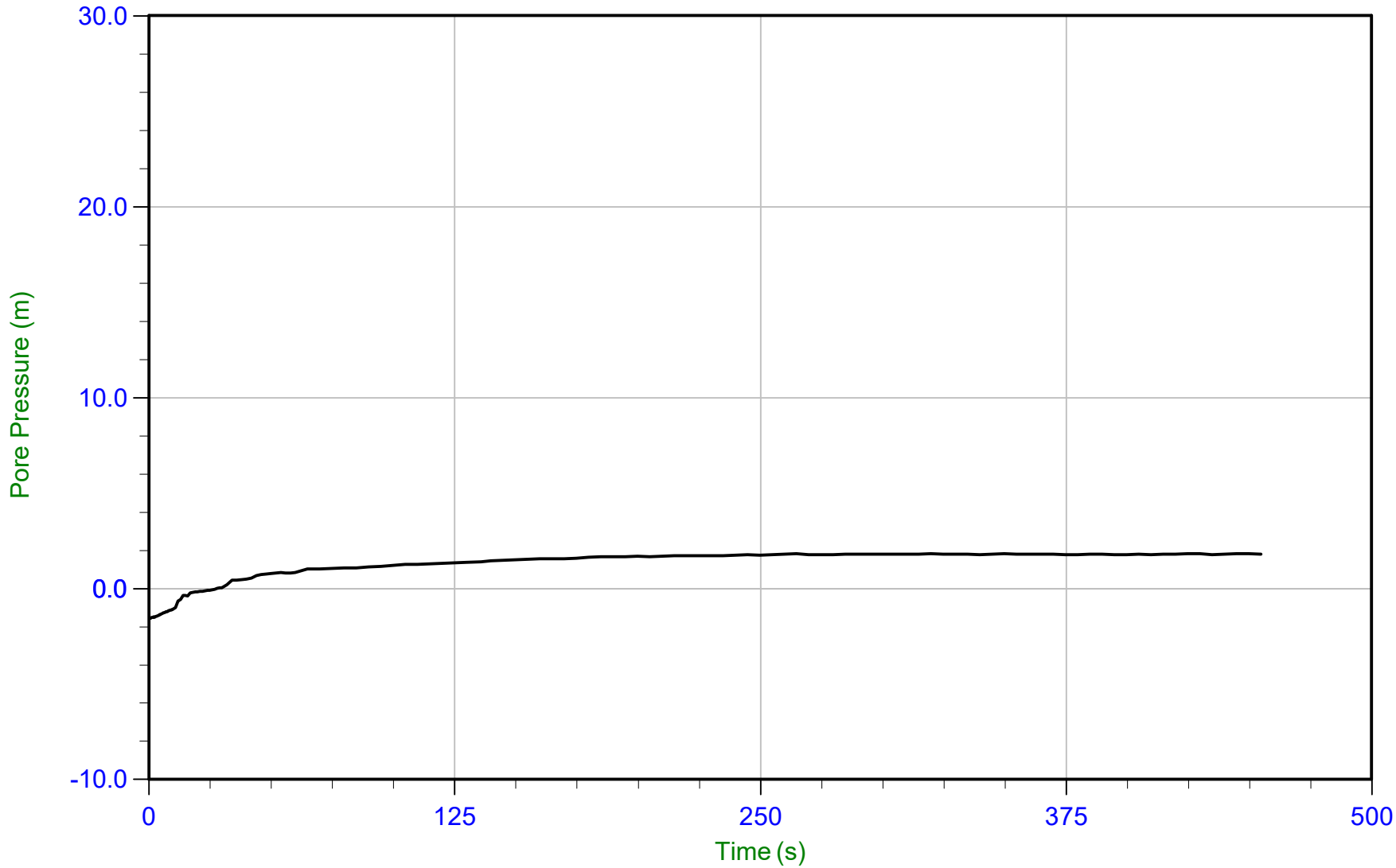
WT: 1.879 m / 6.165 ft
Ueq: 0.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 10:06
Site: Crawford Mine

Sounding: SRK-OP-CPT-01
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01.PPF
Depth: 1.000 m / 3.281 ft
Duration: 455.0 s

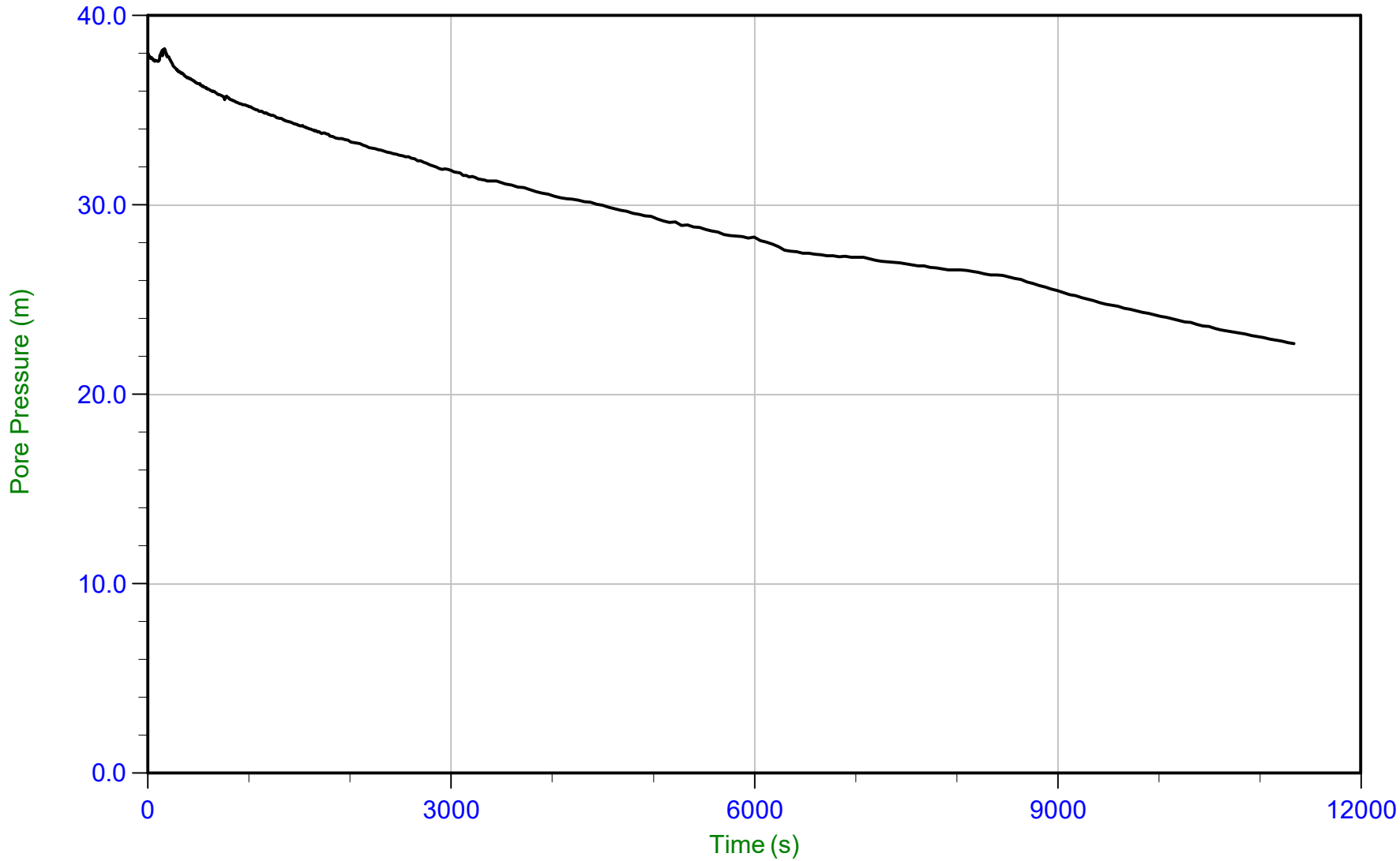
u Min: -1.6 m
u Max: 1.8 m
u Final: 1.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01C.PPF
Depth: 5.050 m / 16.568 ft
Duration: 11340.0 s

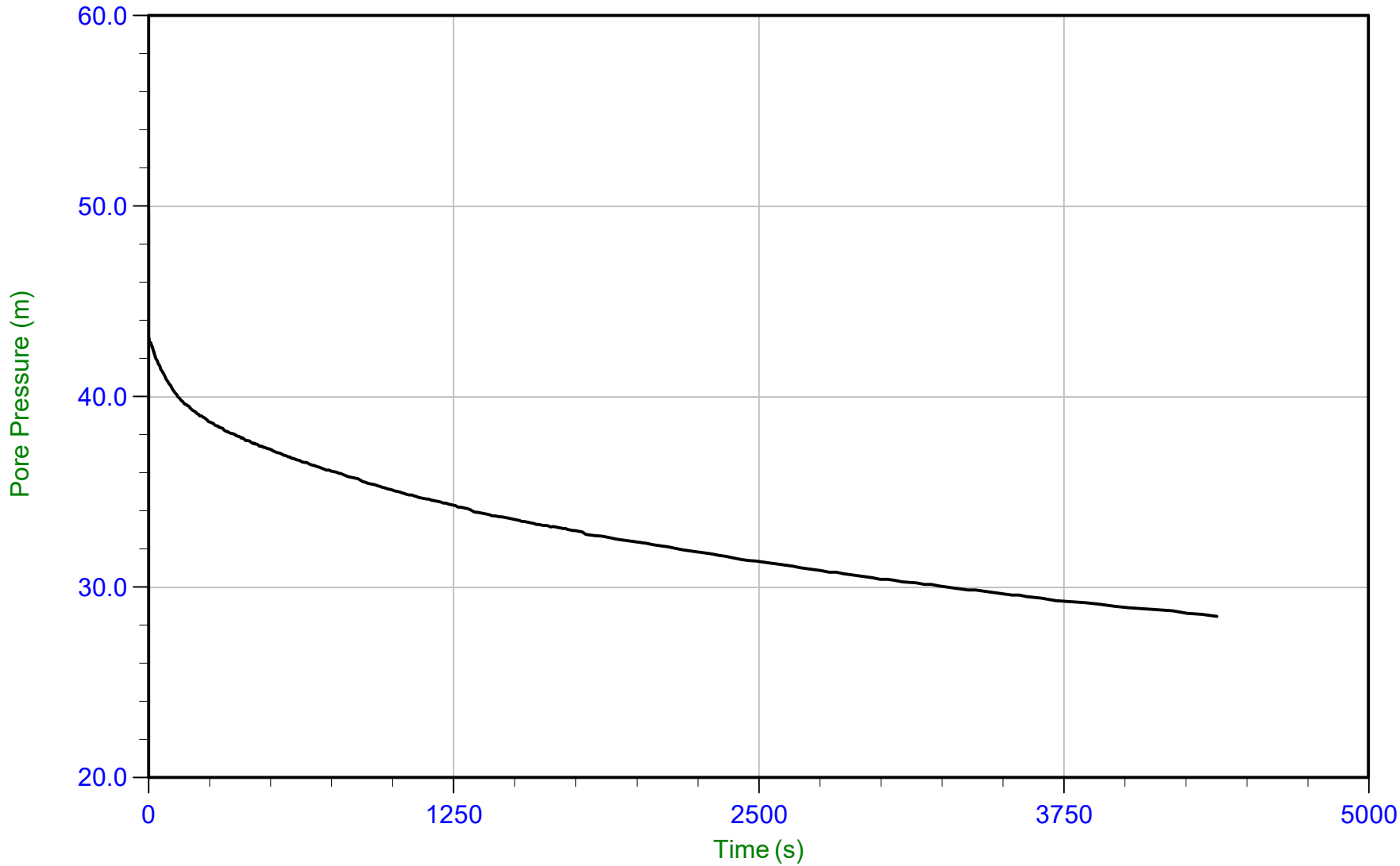
u Min: 22.7 m
u Max: 38.2 m
u Final: 22.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01C.PPF
Depth: 6.475 m / 21.243 ft
Duration: 4380.0 s

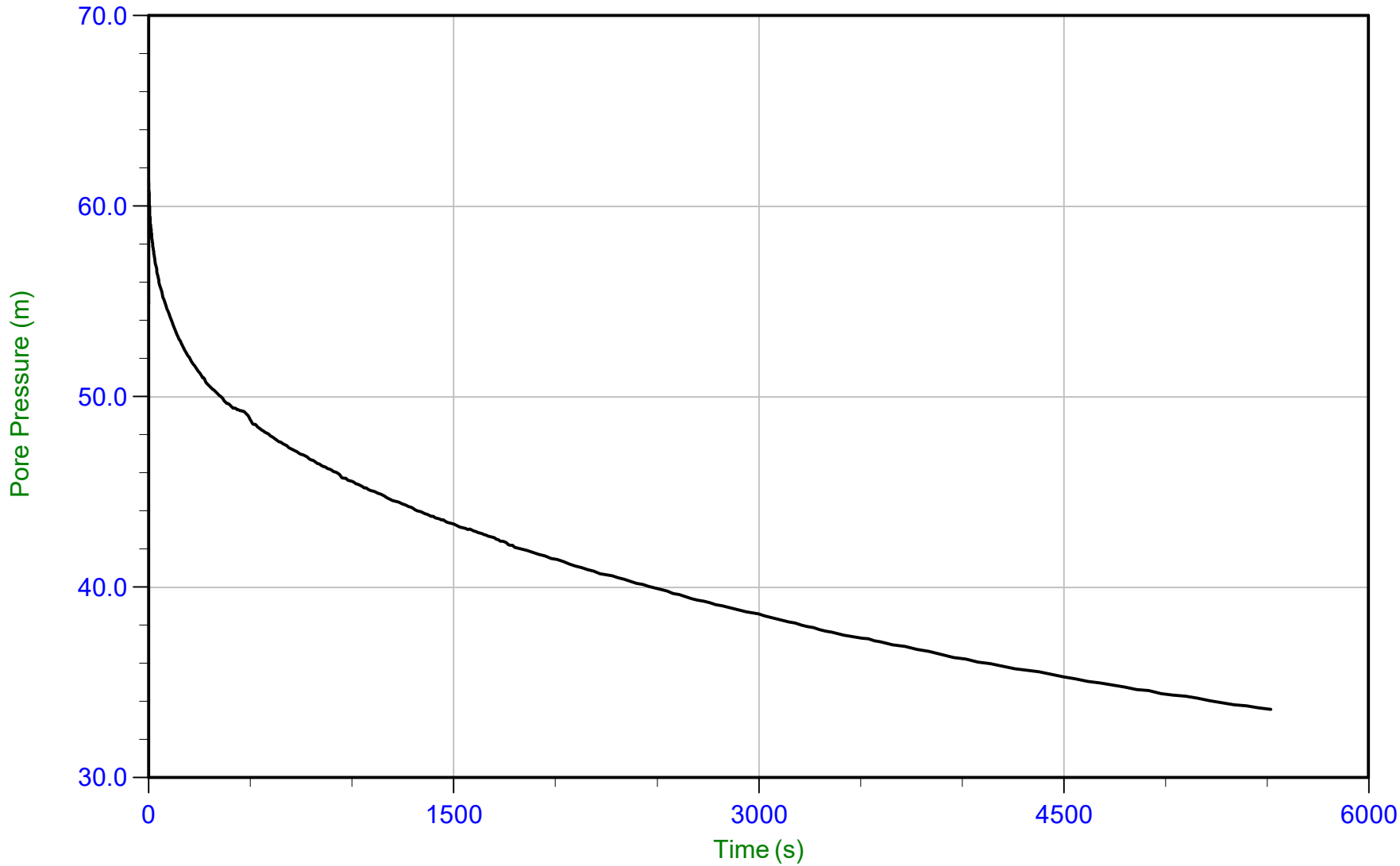
u Min: 28.5 m
u Max: 49.7 m
u Final: 28.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01C.PPF
Depth: 10.000 m / 32.808 ft
Duration: 5520.0 s

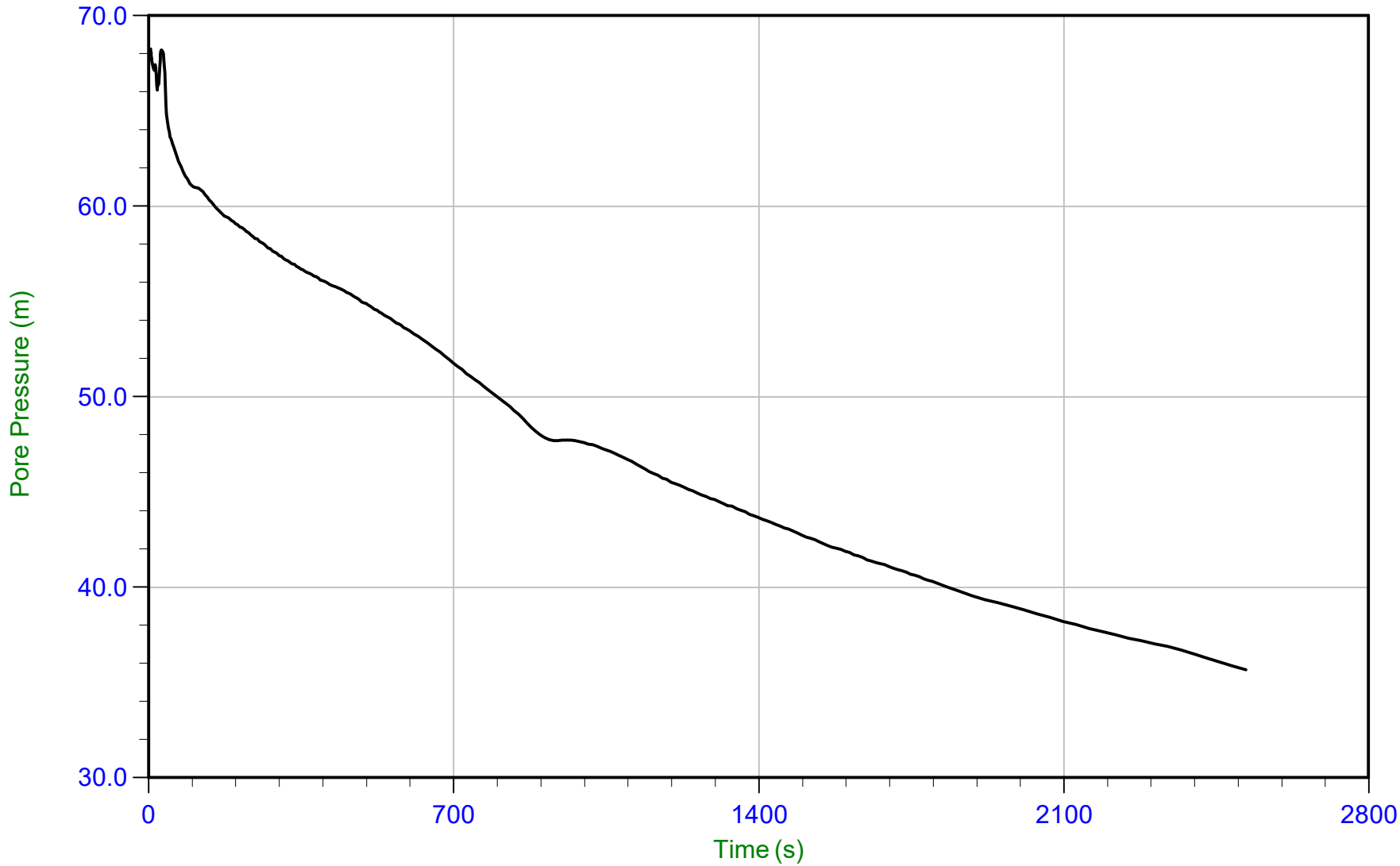
u Min: 33.6 m
u Max: 61.2 m
u Final: 33.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01C.PPF
Depth: 15.000 m / 49.212 ft
Duration: 2520.0 s

u Min: 35.7 m
u Max: 68.3 m
u Final: 35.7 m

WT: 5.183 m / 17.004 ft
Ueq: 9.8 m
U(50): 39.04 m

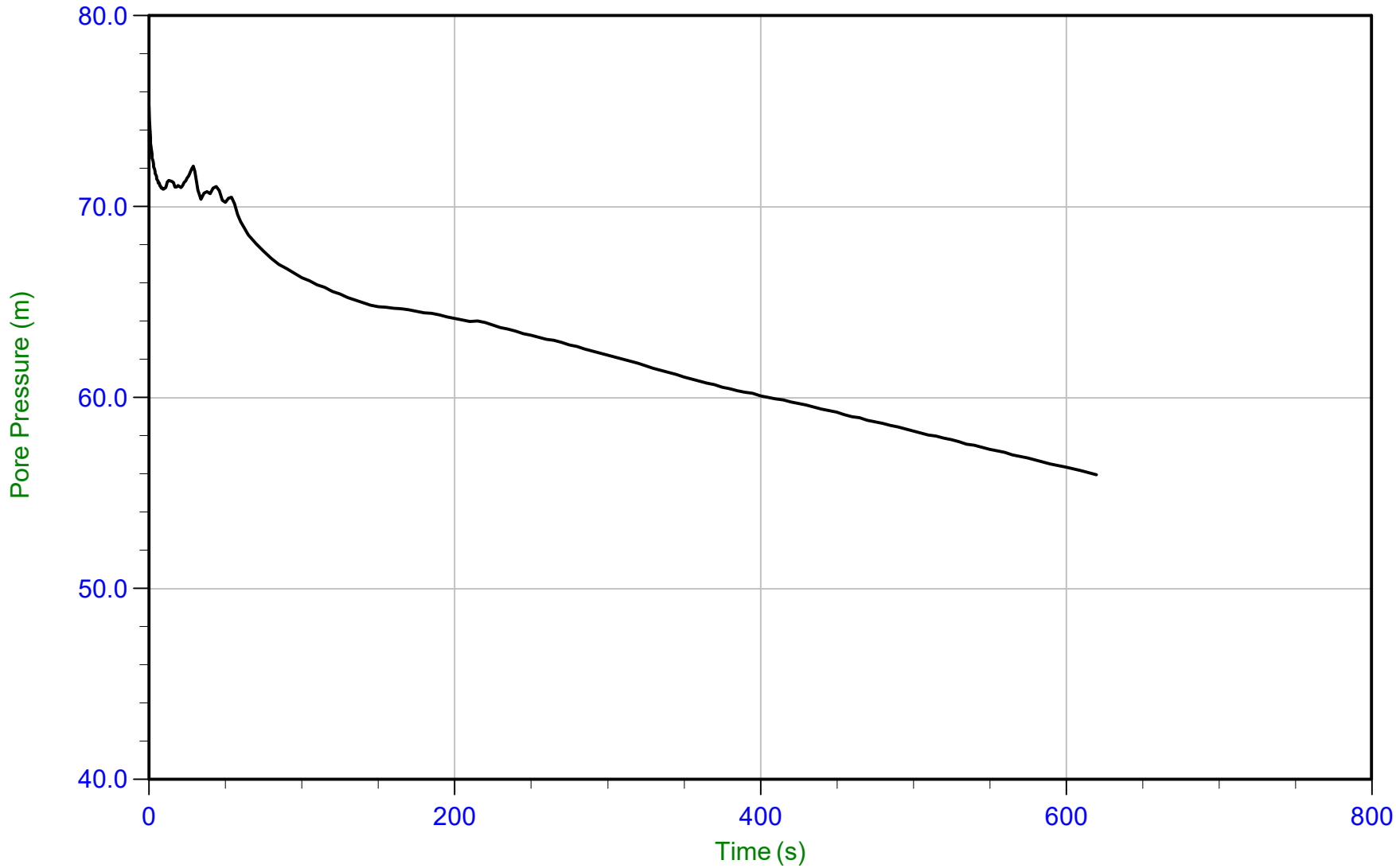
T(50): 1969.6 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01C.PPF
Depth: 16.000 m / 52.493 ft
Duration: 620.0 s

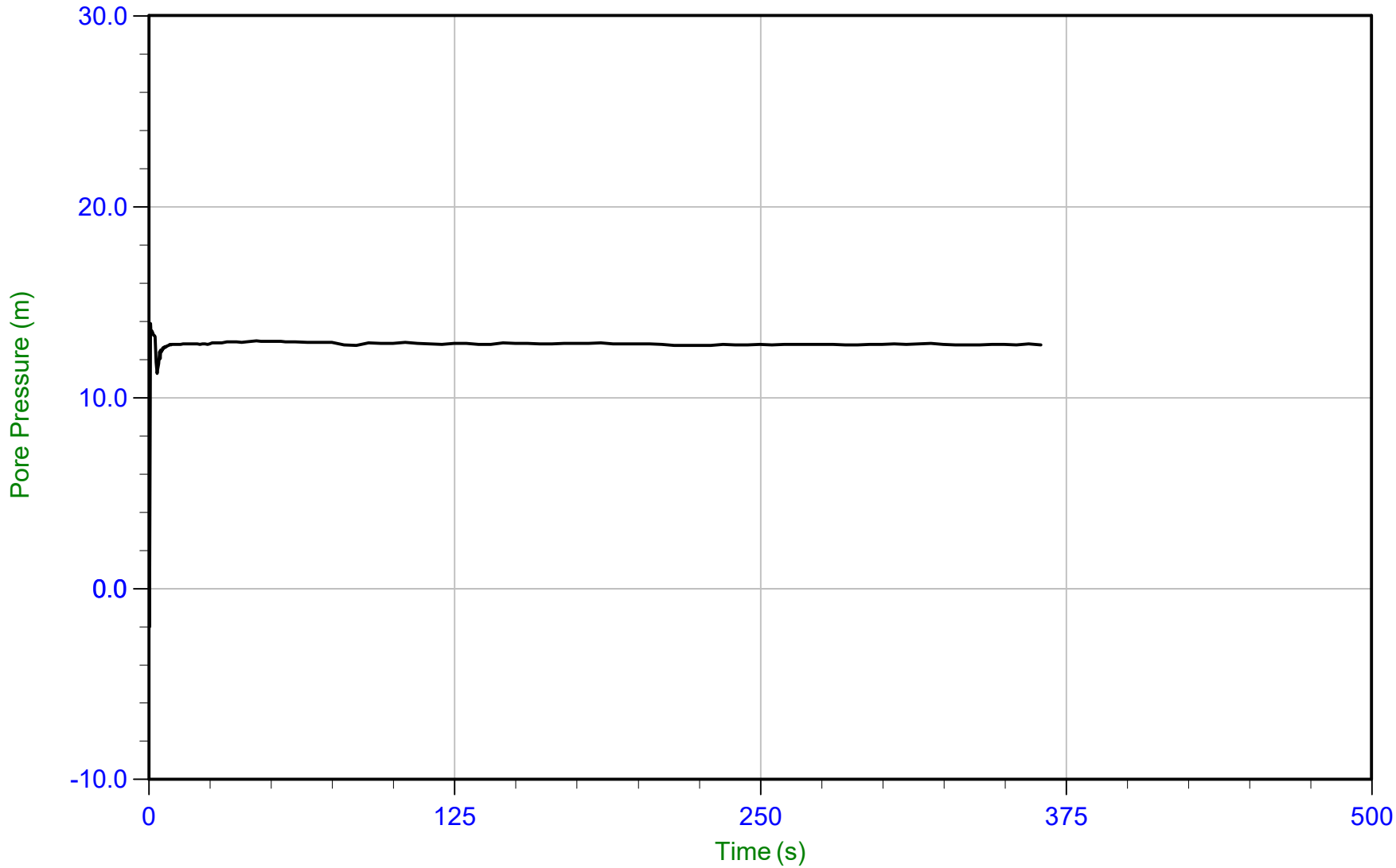
u Min: 56.0 m
u Max: 75.3 m
u Final: 56.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/06/2021 12:09
Site: Crawford Mine

Sounding: SRK-OP-CPT-01C
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP01C.PPF
Depth: 18.025 m / 59.136 ft
Duration: 365.0 s

u Min: -2.0 m
u Max: 13.9 m
u Final: 12.8 m

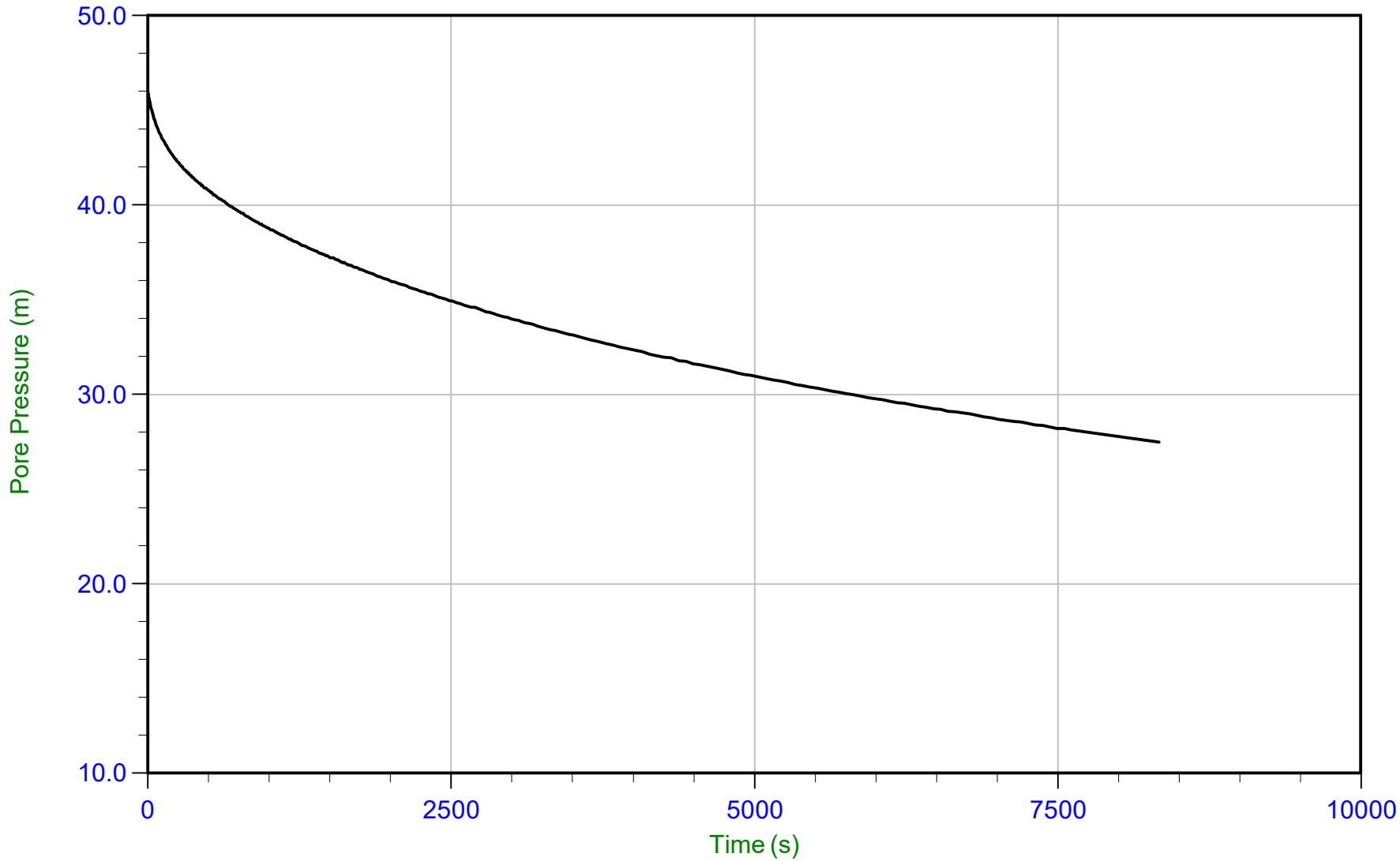
WT: 5.183 m / 17.004 ft
Ueq: 12.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/19/2021 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP02.PPF
Depth: 5.000 m / 16.404 ft
Duration: 8340.0 s

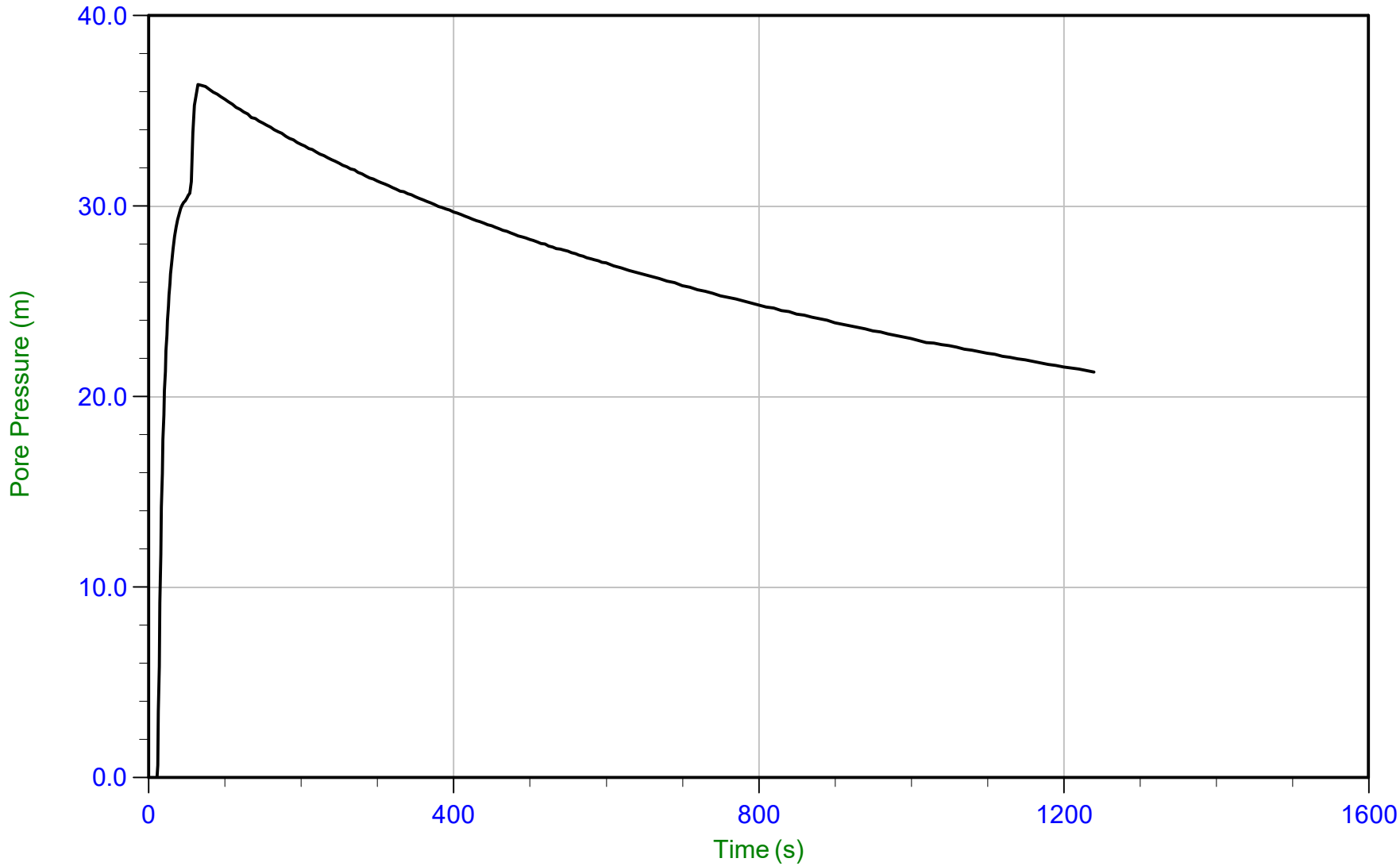
u Min: 27.5 m
u Max: 46.0 m
u Final: 27.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/19/2021 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP02.PPF
Depth: 10.000 m / 32.808 ft
Duration: 1240.0 s

u Min: -5.1 m
u Max: 36.4 m
u Final: 21.3 m

WT: 3.459 m / 11.348 ft
Ueq: 6.5 m
U(50): 21.46 m

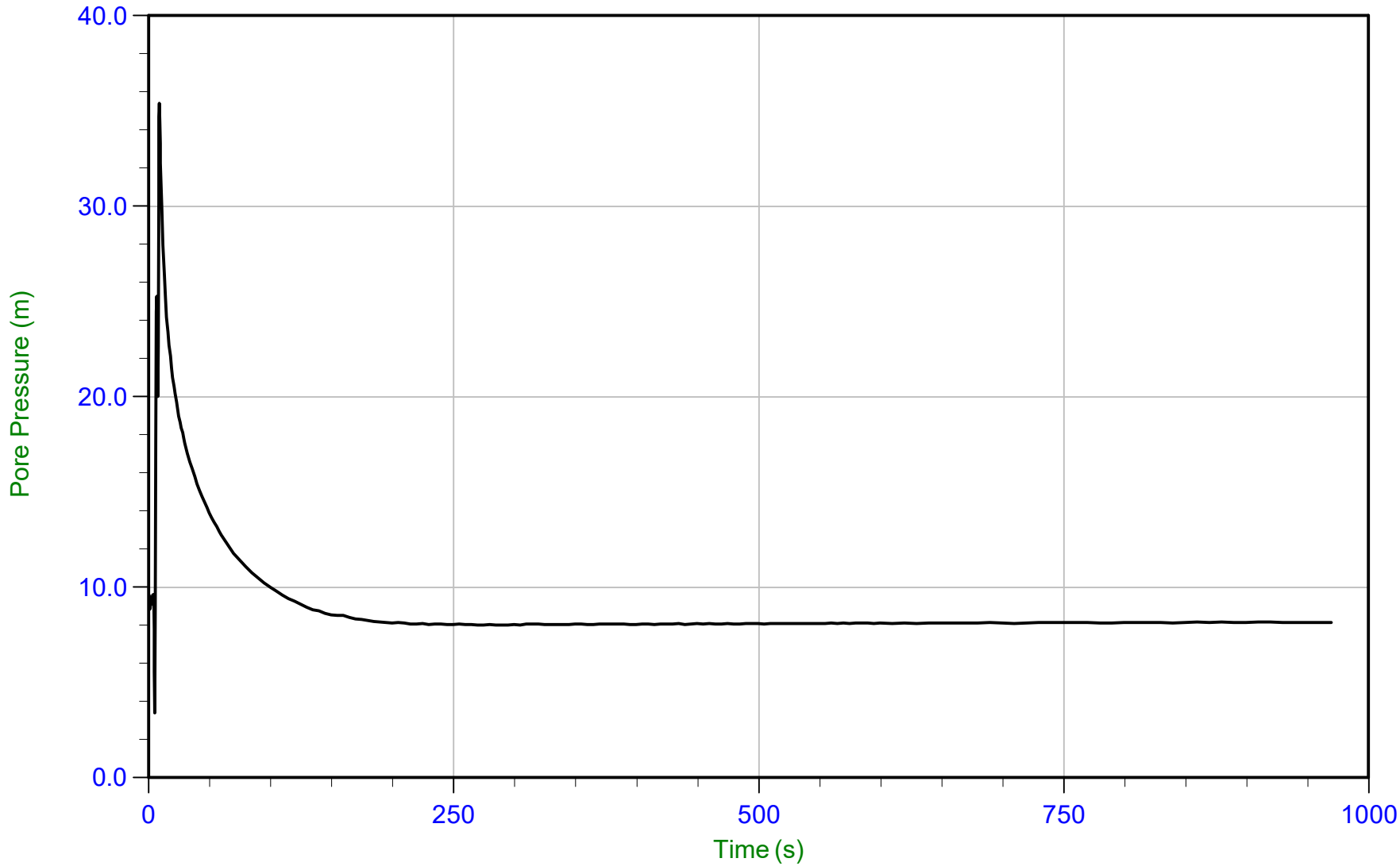
T(50): 1151.4 s
Ir: 100
Ch: 0.6 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/19/2021 08:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-02
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP02.PPF
Depth: 11.775 m / 38.631 ft
Duration: 970.0 s

u Min: 3.4 m
u Max: 35.4 m
u Final: 8.1 m

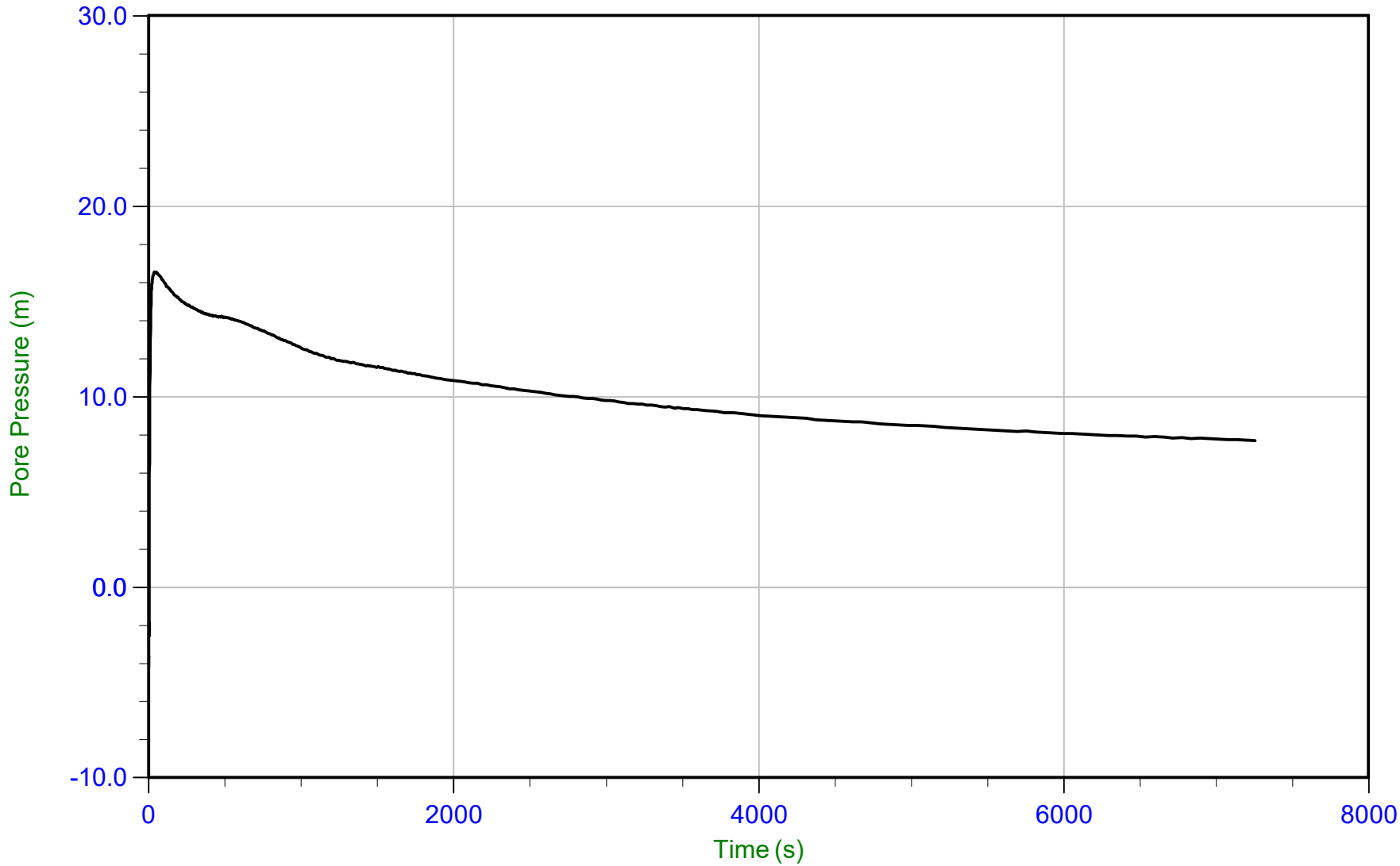
WT: 3.459 m / 11.348 ft
Ueq: 8.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/11/2022 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP03.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7260.0 s

u Min: -4.2 m
u Max: 16.5 m
u Final: 7.7 m

WT: 1.445 m / 4.741 ft
Ueq: 3.6 m
U(50): 10.05 m

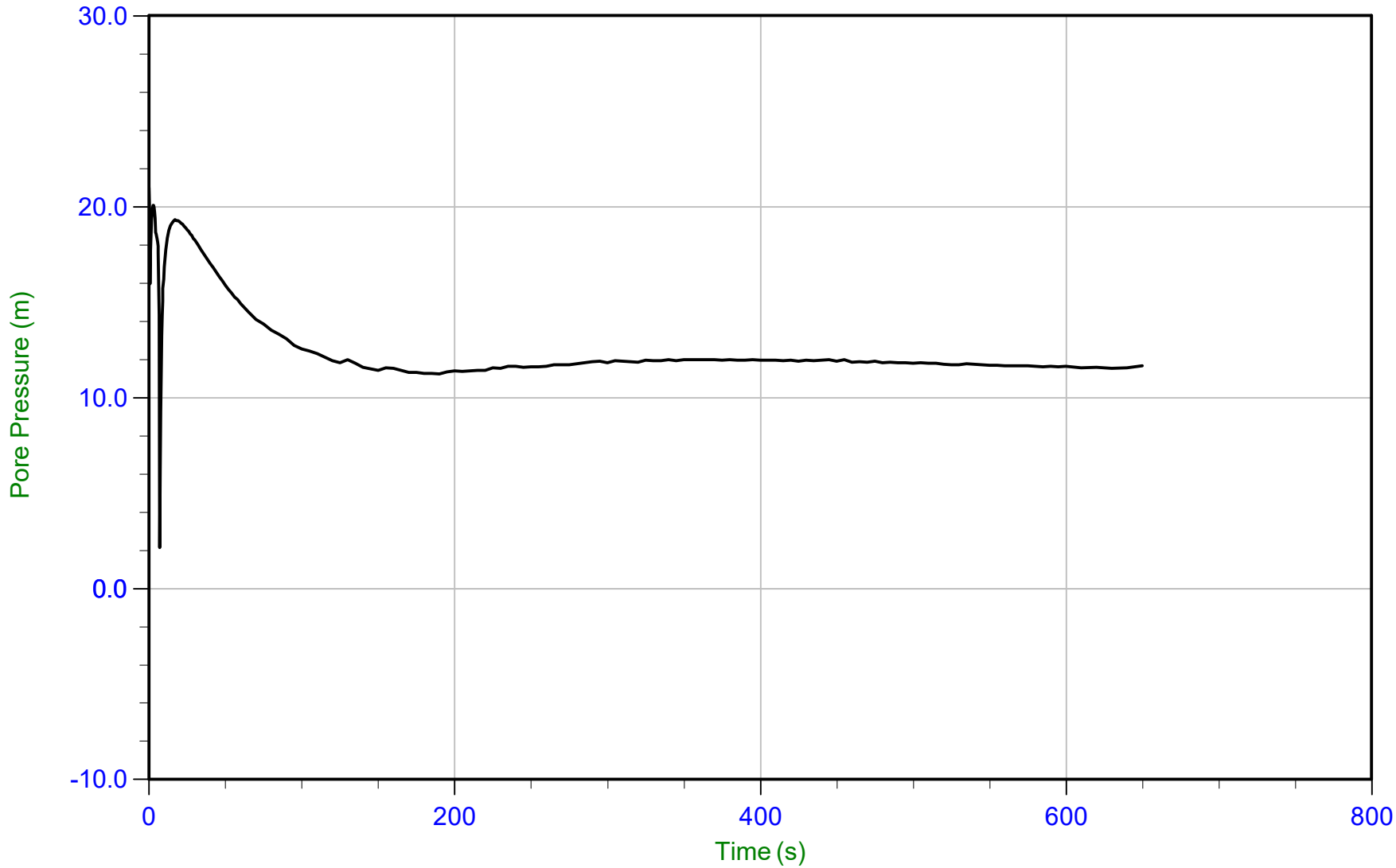
T(50): 2675.4 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/11/2022 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP03.PPF
Depth: 7.075 m / 23.212 ft
Duration: 650.0 s

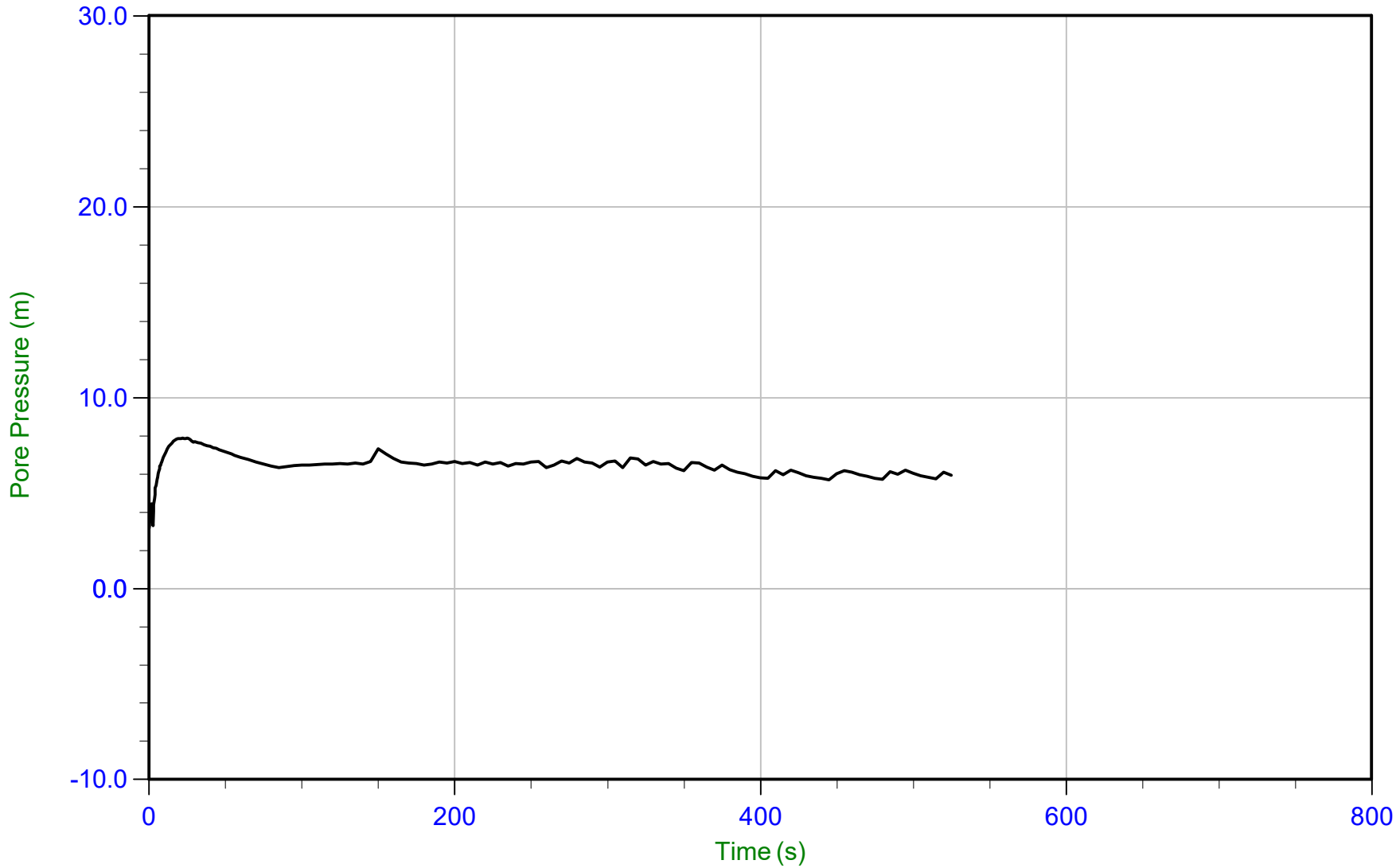
u Min: 2.1 m
u Max: 21.0 m
u Final: 11.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/11/2022 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP03.PPF
Depth: 7.550 m / 24.770 ft
Duration: 525.0 s

u Min: 3.1 m
u Max: 7.9 m
u Final: 5.9 m

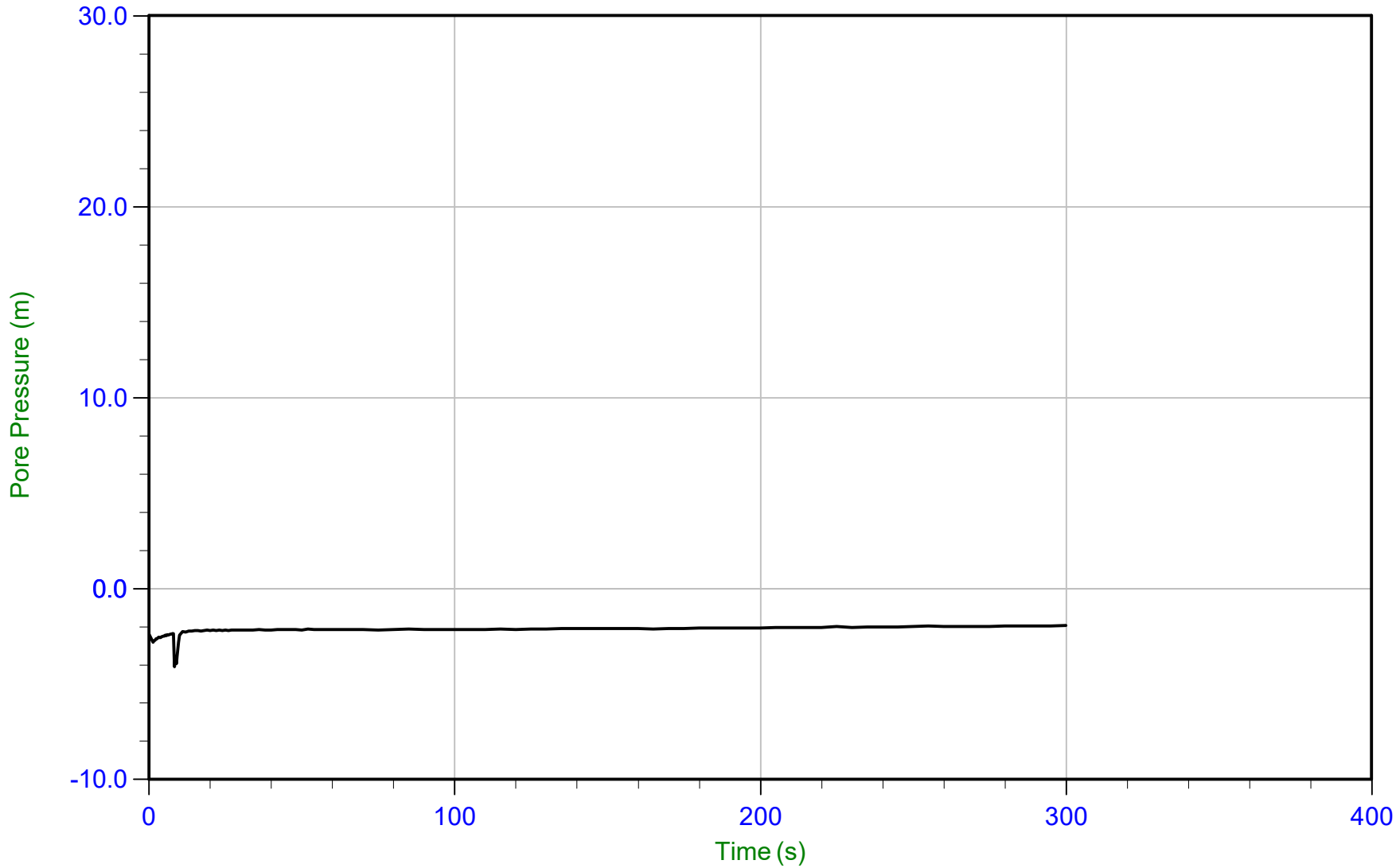
WT: 1.445 m / 4.741 ft
Ueq: 6.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/11/2022 08:32
Site: Crawford Mine

Sounding: SRK-OP-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP03.PPF
Depth: 9.100 m / 29.855 ft
Duration: 300.0 s

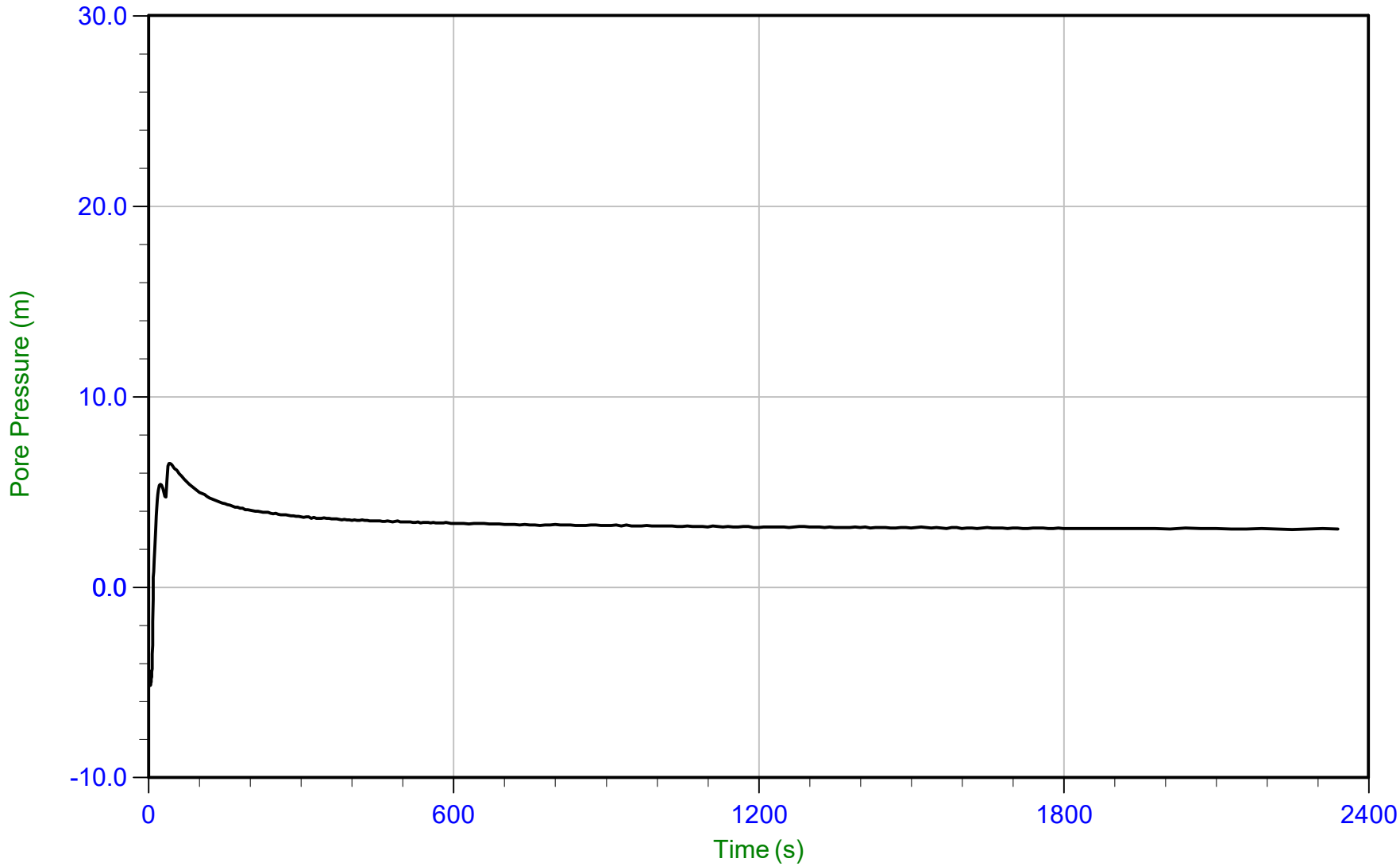
u Min: -4.1 m
u Max: -1.9 m
u Final: -1.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/15/2022 09:45
Site: Crawford Mine

Sounding: SRK-OP-CPT-04
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP04.PPF
Depth: 3.075 m / 10.088 ft
Duration: 2340.0 s

u Min: -5.2 m
u Max: 6.5 m
u Final: 3.1 m

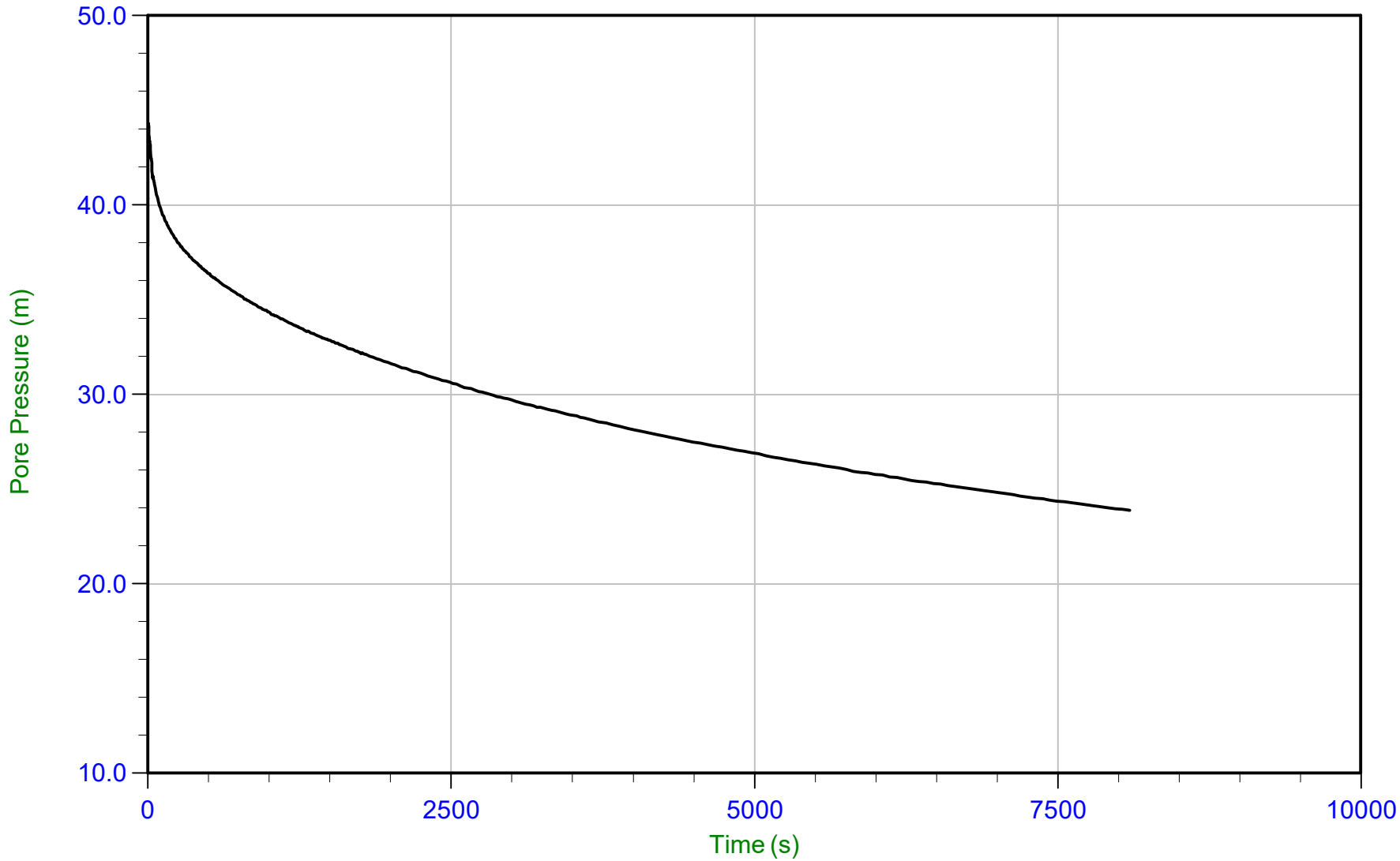
WT: 0.128 m / 0.420 ft
Ueq: 2.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/15/2022 09:45
Site: Crawford Mine

Sounding: SRK-OP-CPT-04
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP04.PPF
Depth: 5.000 m / 16.404 ft
Duration: 8100.0 s

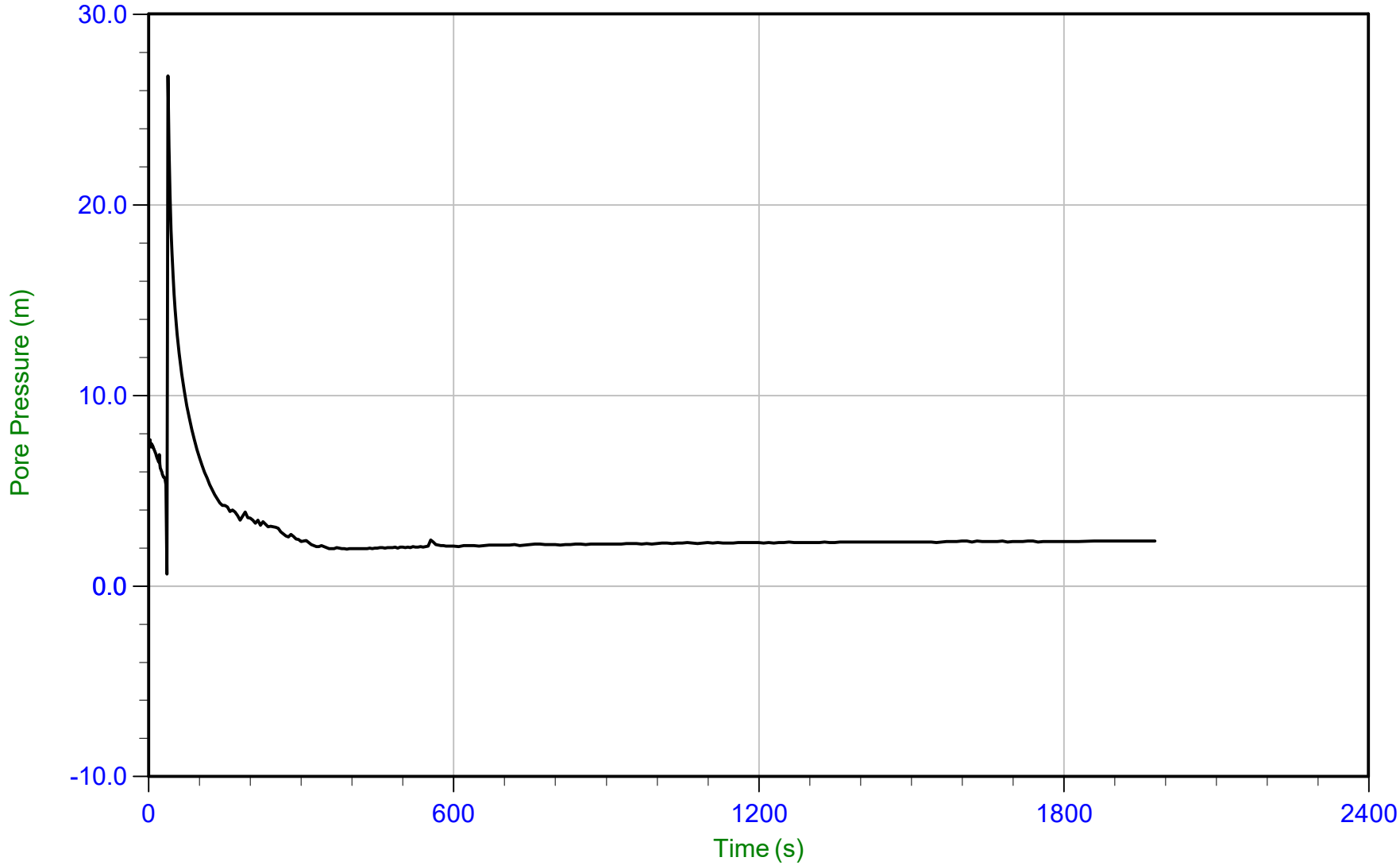
u Min: 23.9 m
u Max: 44.3 m
u Final: 23.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/15/2022 09:45
Site: Crawford Mine

Sounding: SRK-OP-CPT-04
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP04.PPF
Depth: 9.575 m / 31.414 ft
Duration: 1980.0 s

u Min: 0.6 m
u Max: 26.8 m
u Final: 2.3 m

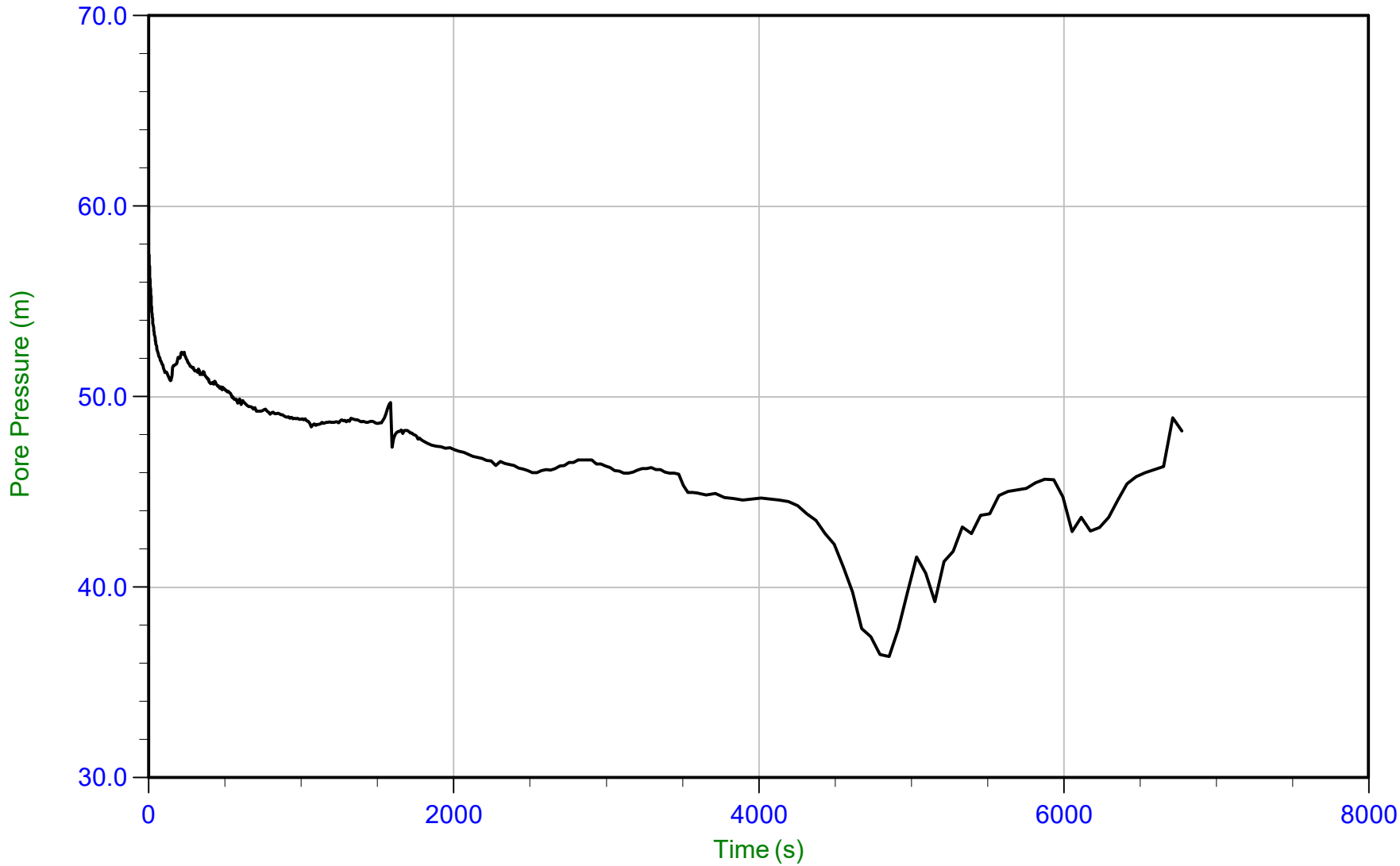
WT: 7.154 m / 23.471 ft
Ueq: 2.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/13/2021 06:17
Site: Crawford Mine

Sounding: SRK-OP-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP05.PPF
Depth: 5.000 m / 16.404 ft
Duration: 6780.0 s

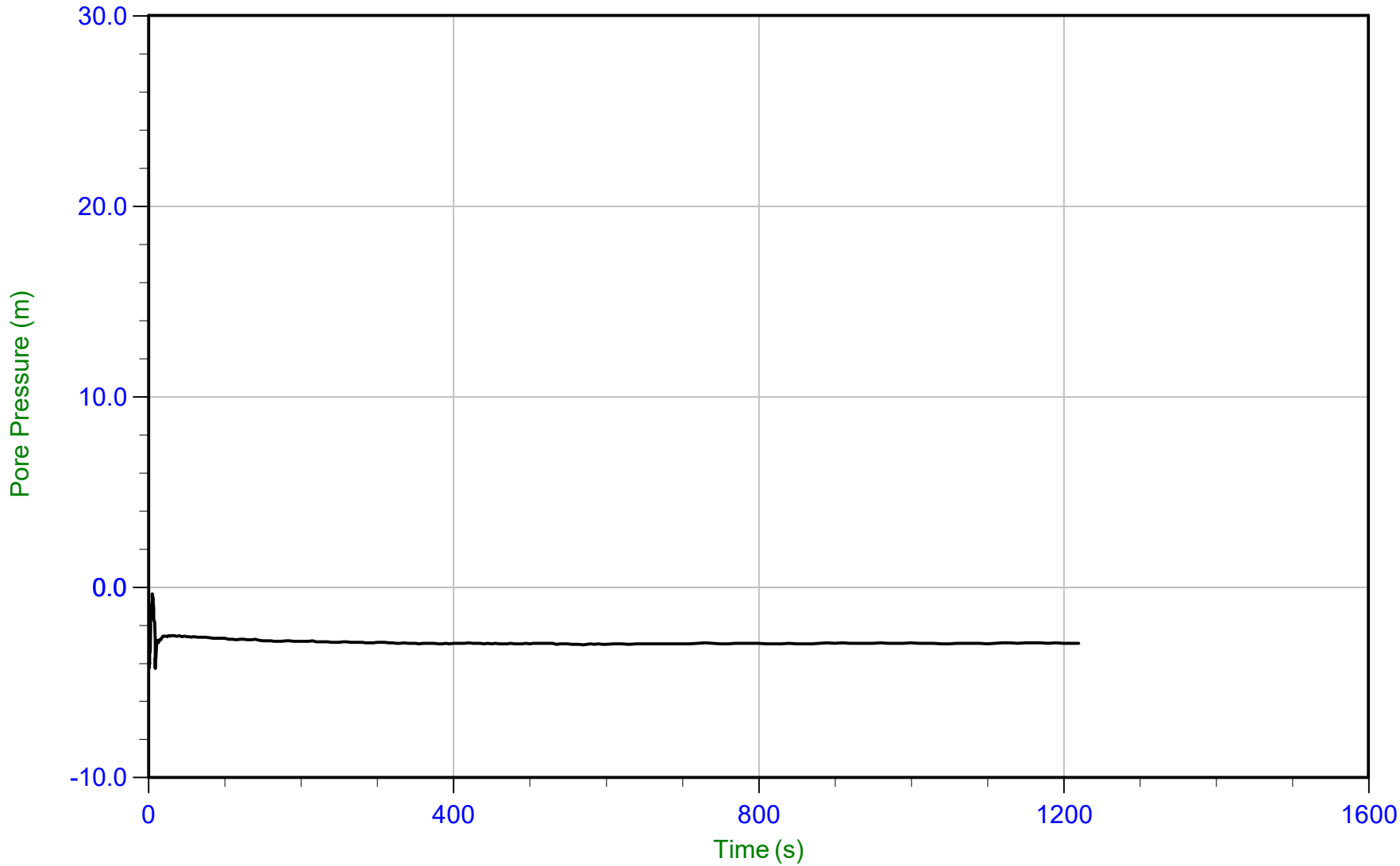
u Min: 36.4 m
u Max: 60.0 m
u Final: 48.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/13/2021 06:17
Site: Crawford Mine

Sounding: SRK-OP-CPT-05
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP05.PPF
Depth: 5.650 m / 18.537 ft
Duration: 1220.0 s

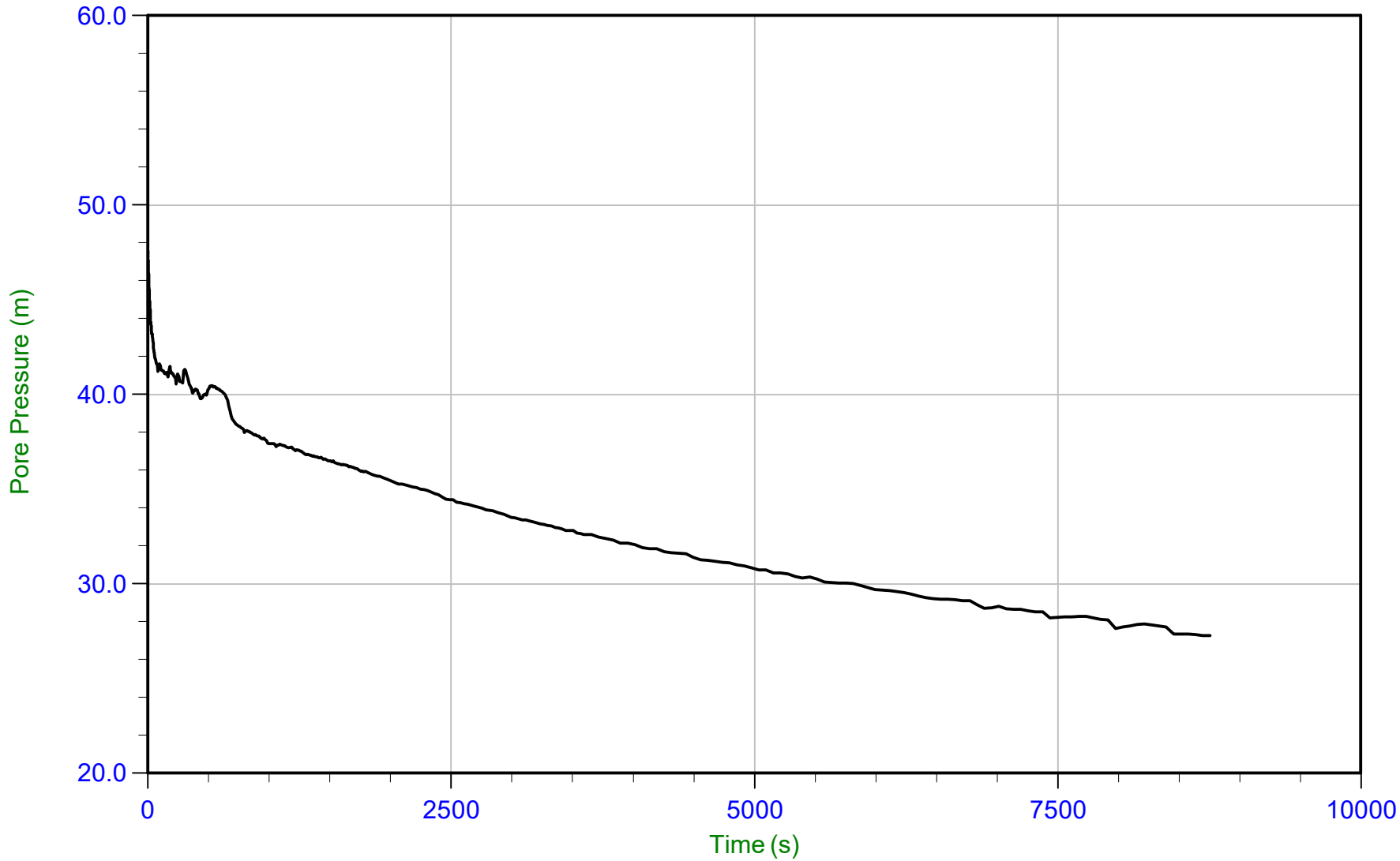
u Min: -4.3 m
u Max: -0.4 m
u Final: -2.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/13/2021 09:53
Site: Crawford Mine

Sounding: SRK-OP-CPT-05B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP05B.PPF
Depth: 5.000 m / 16.404 ft
Duration: 8760.0 s

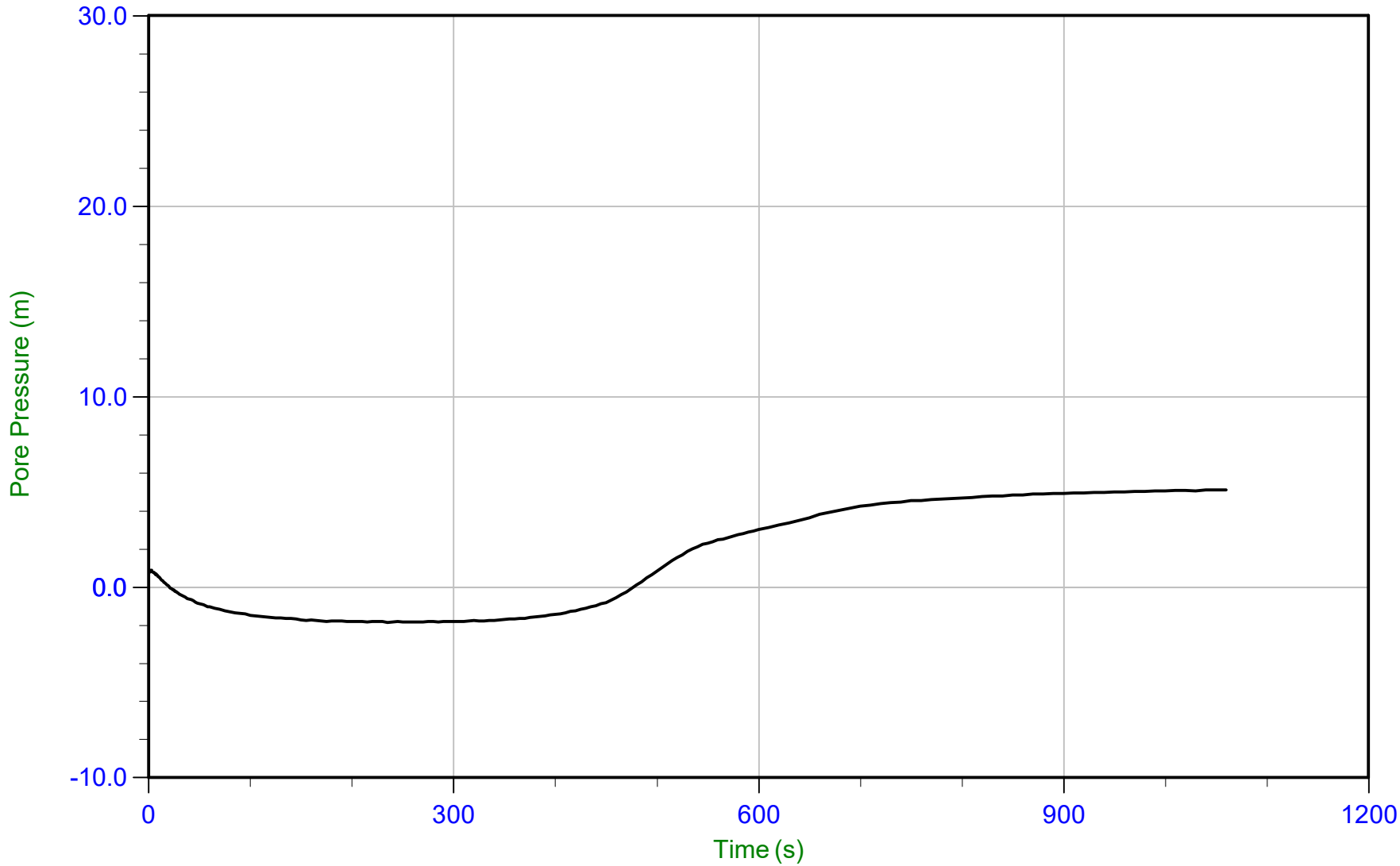
u Min: 27.3 m
u Max: 47.6 m
u Final: 27.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/13/2021 09:53
Site: Crawford Mine

Sounding: SRK-OP-CPT-05B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP05B.PPF
Depth: 6.200 m / 20.341 ft
Duration: 1060.0 s

u Min: -1.9 m
u Max: 5.1 m
u Final: 5.1 m

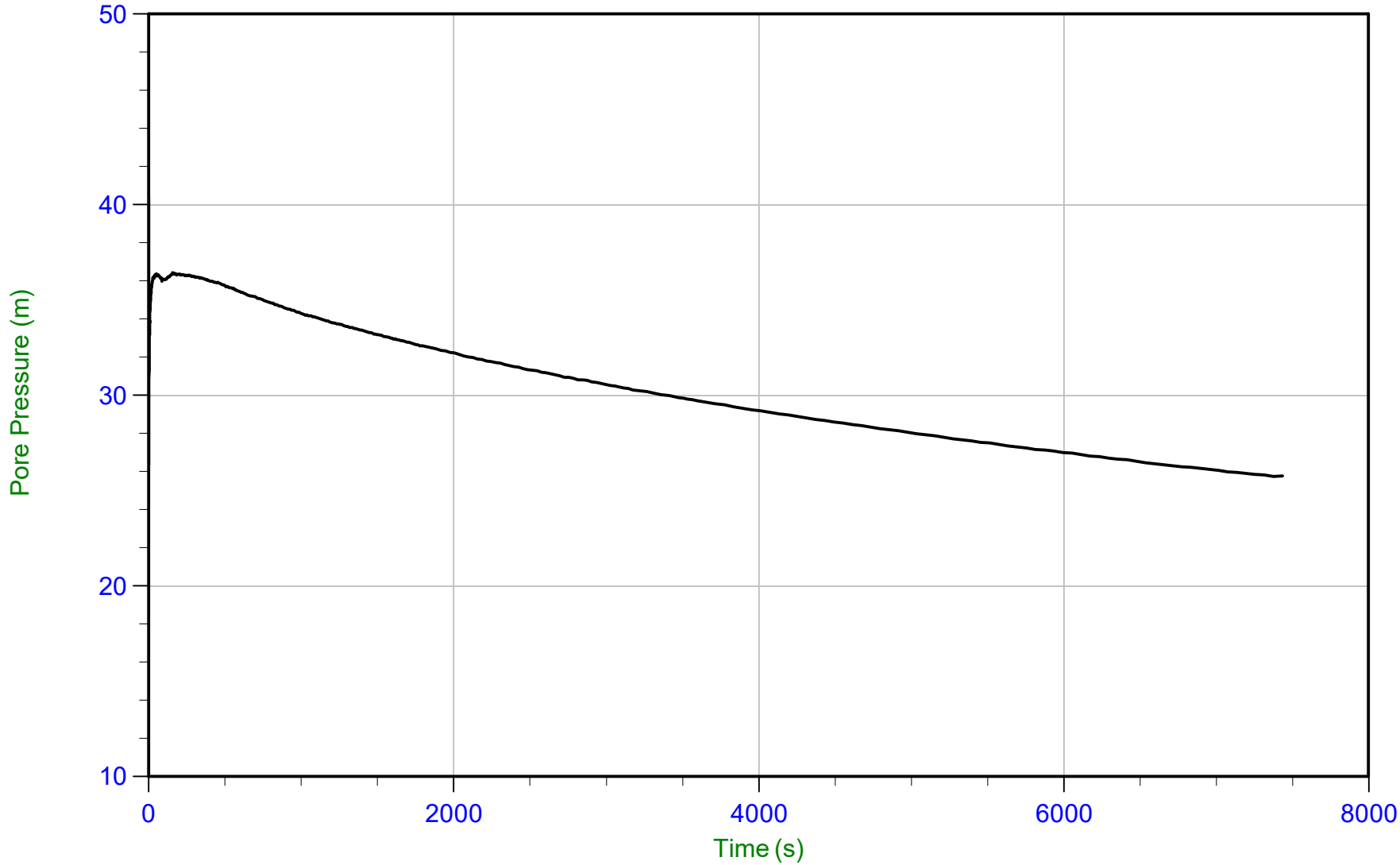
WT: 0.937 m / 3.074 ft
Ueq: 5.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/07/2022 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP06.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7439.8 s

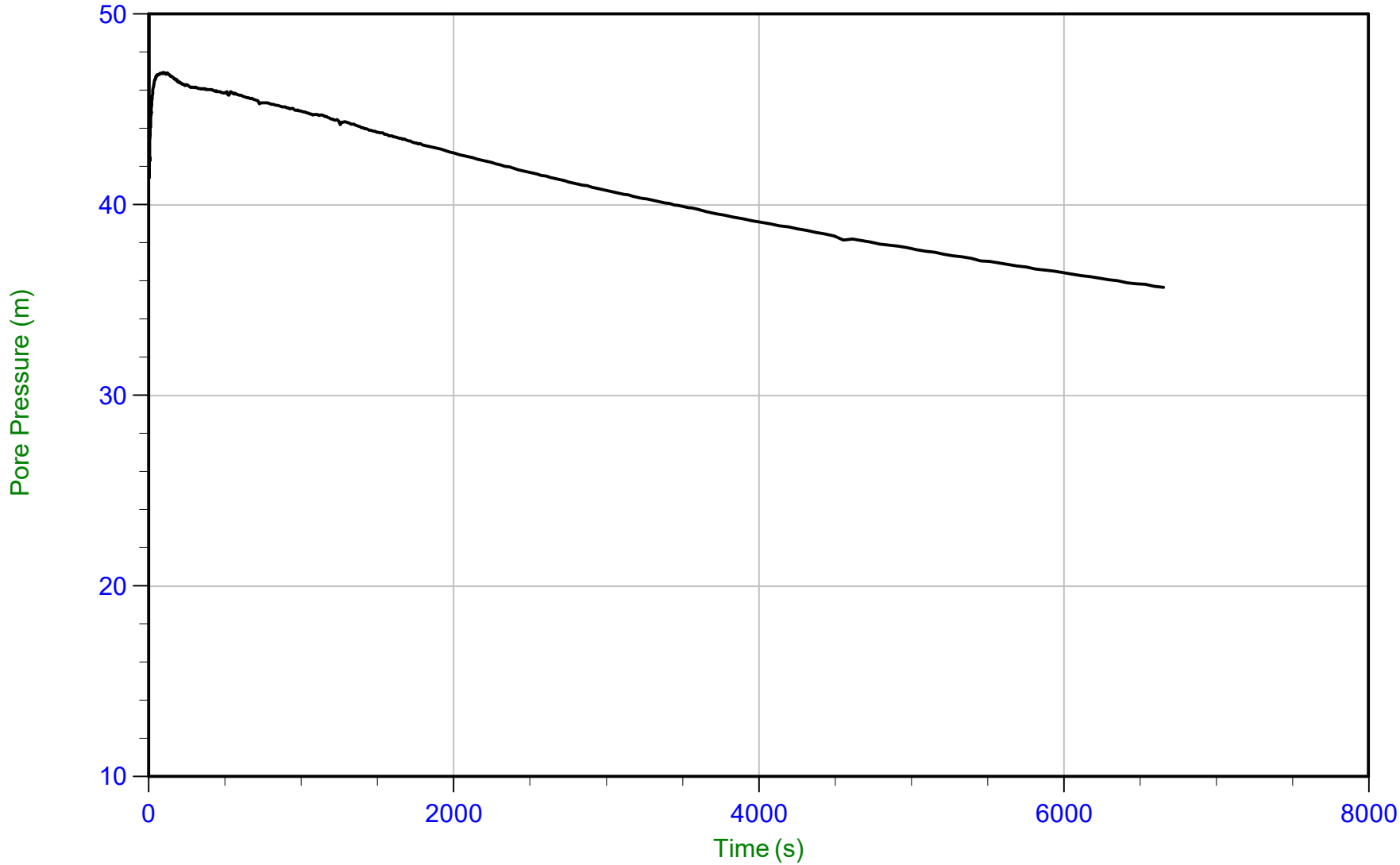
u Min: 25.8 m
u Max: 40.4 m
u Final: 25.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/07/2022 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP06.PPF
Depth: 10.500 m / 34.448 ft
Duration: 6659.8 s

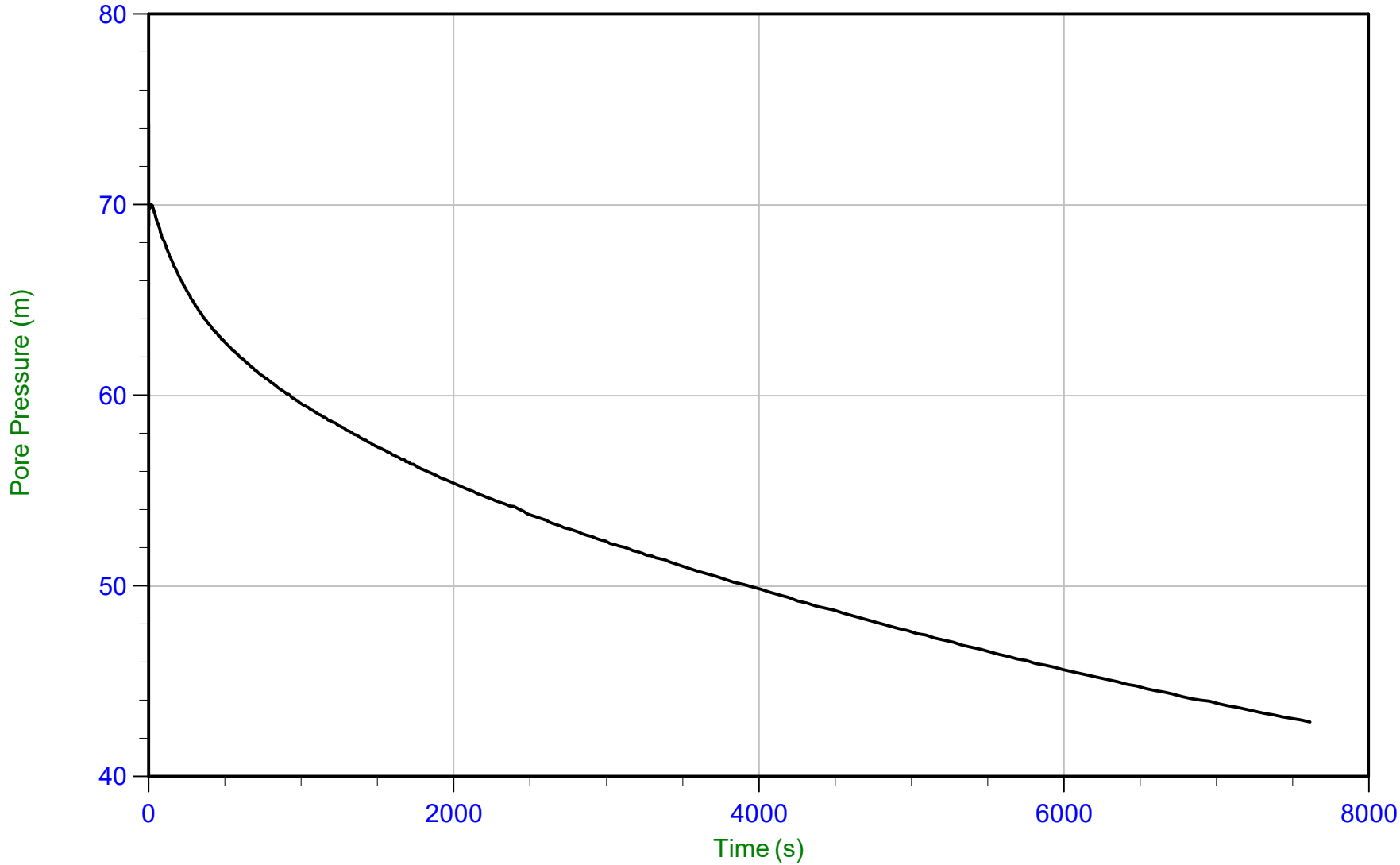
u Min: 35.7 m
u Max: 56.6 m
u Final: 35.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/07/2022 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP06.PPF
Depth: 15.000 m / 49.212 ft
Duration: 7619.8 s

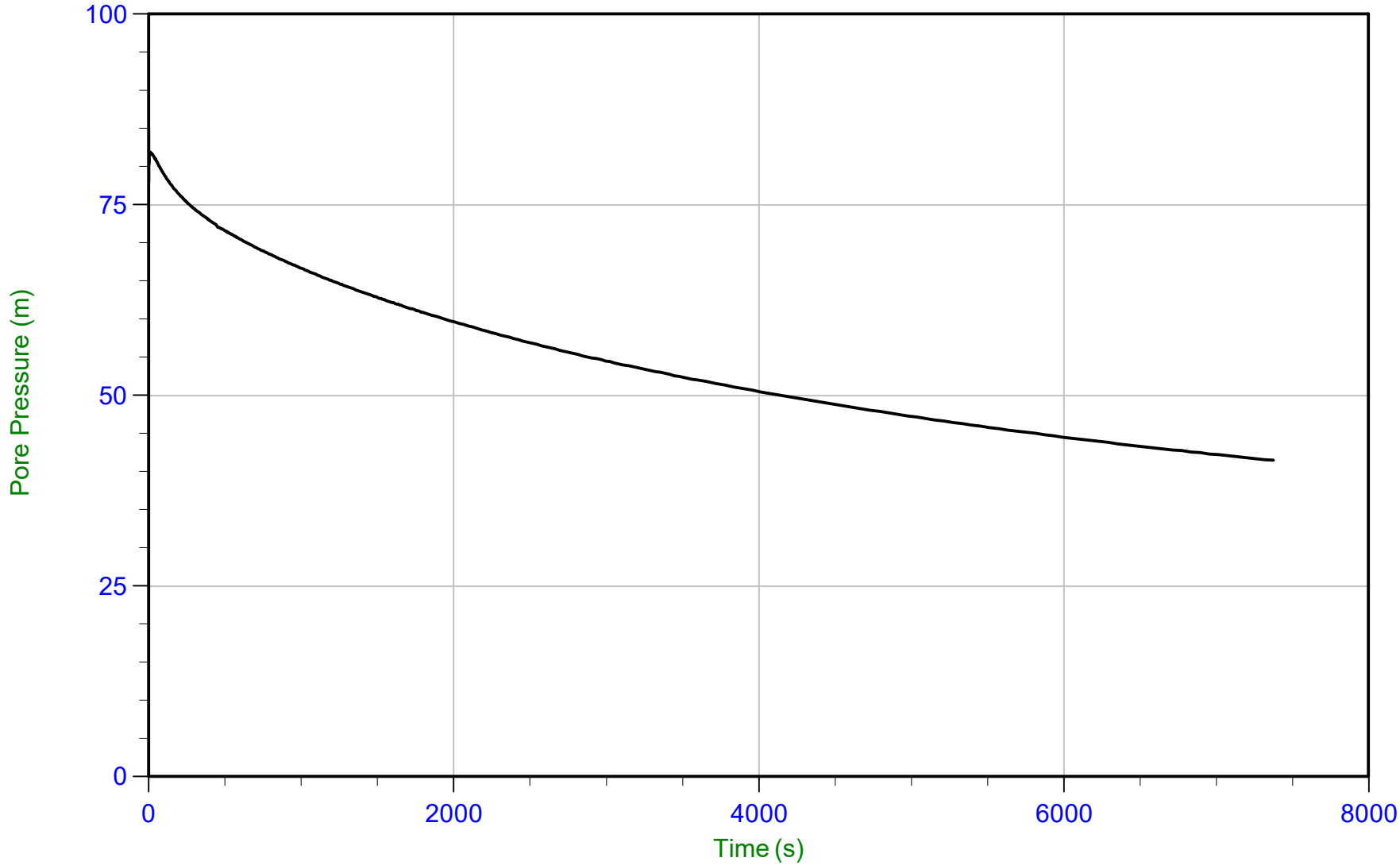
u Min: 42.9 m
u Max: 74.2 m
u Final: 42.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/07/2022 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP06.PPF
Depth: 20.000 m / 65.616 ft
Duration: 7379.8 s

u Min: 41.5 m
u Max: 85.0 m
u Final: 41.5 m

WT: 3.530 m / 11.581 ft
Ueq: 16.5 m
U(50): 50.72 m

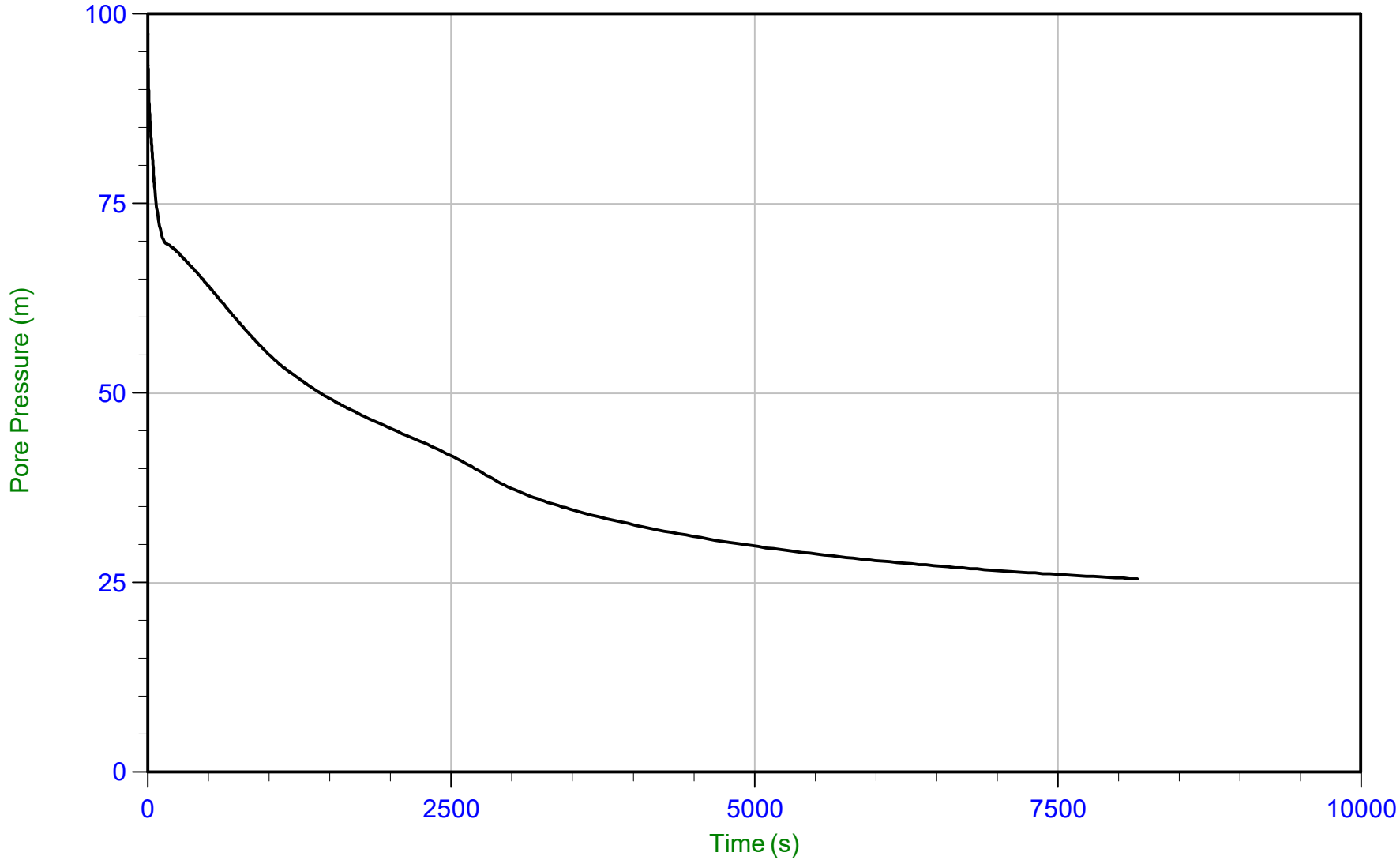
T(50): 3951.6 s
Ir: 100
Ch: 0.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/07/2022 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP06.PPF
Depth: 25.000 m / 82.020 ft
Duration: 8159.8 s

u Min: 25.5 m
u Max: 97.4 m
u Final: 25.5 m

WT: 3.530 m / 11.581 ft
Ueq: 21.5 m
U(50): 59.45 m

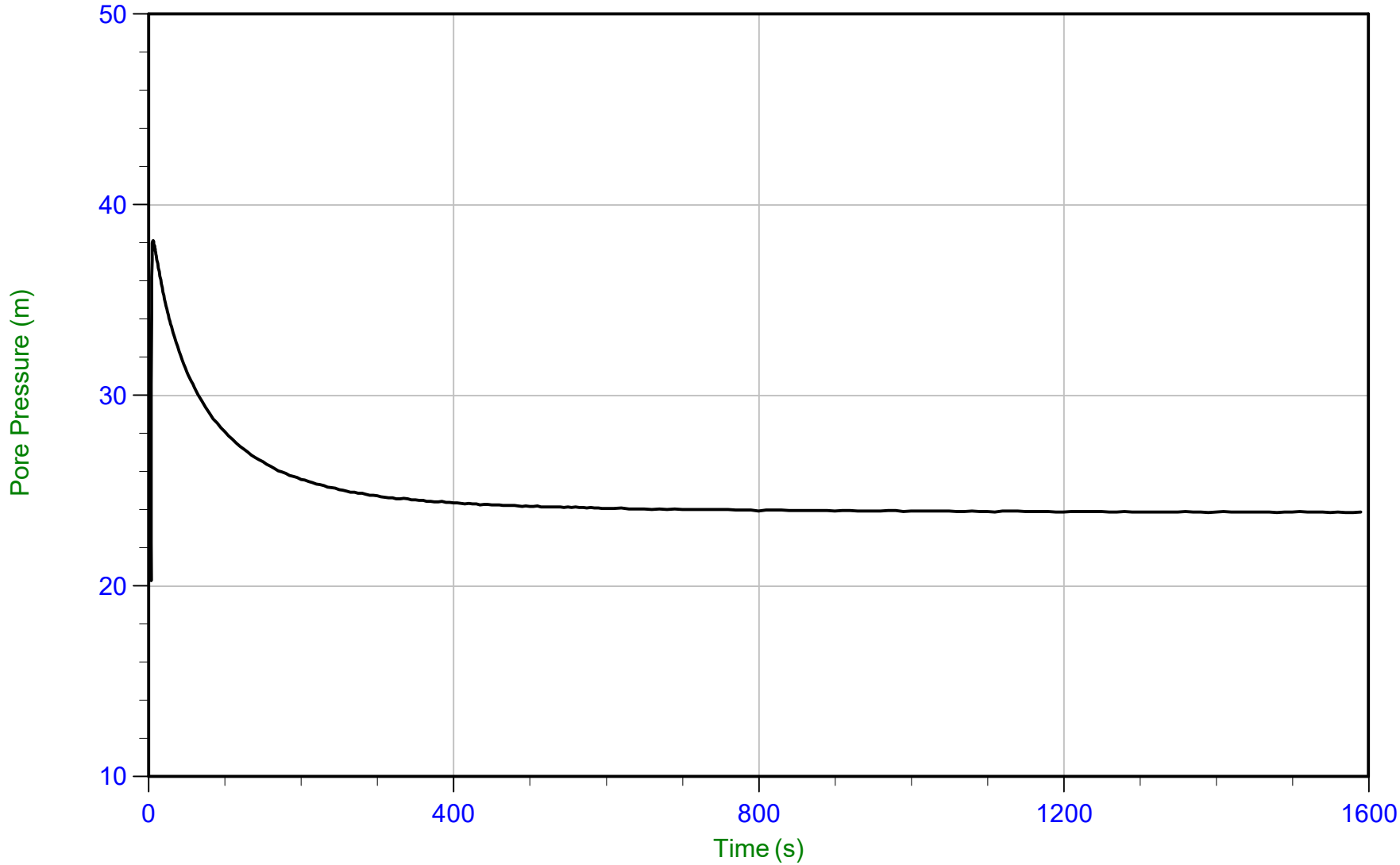
T(50): 746.8 s
Ir: 100
Ch: 0.9 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/07/2022 06:11
Site: Crawford Mine

Sounding: SRK-OP-CPT-06
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP06.PPF
Depth: 27.425 m / 89.976 ft
Duration: 1590.0 s

u Min: 20.3 m
u Max: 38.1 m
u Final: 23.9 m

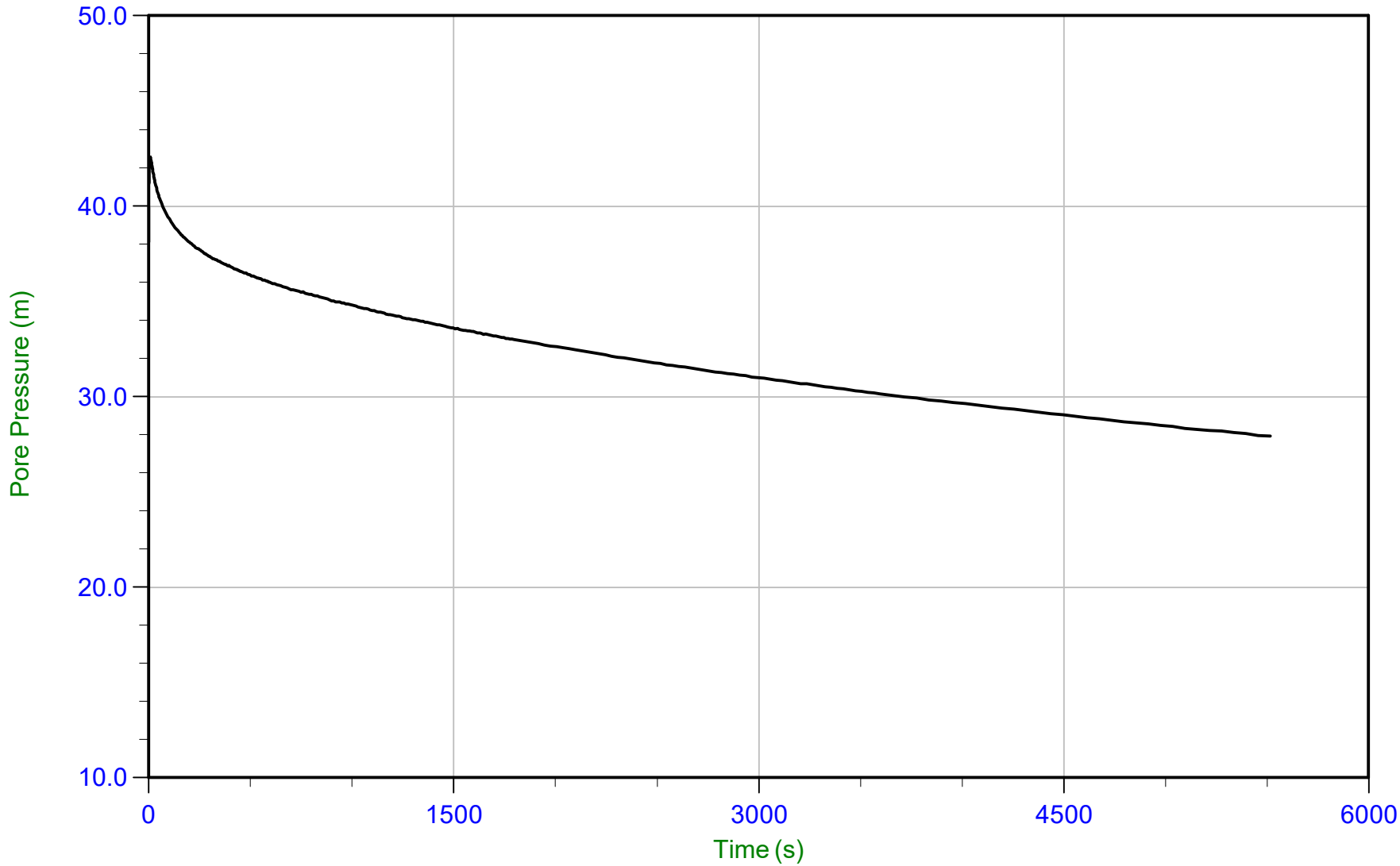
WT: 3.530 m / 11.581 ft
Ueq: 23.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/23/2022 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP08.PPF
Depth: 5.000 m / 16.404 ft
Duration: 5519.8 s

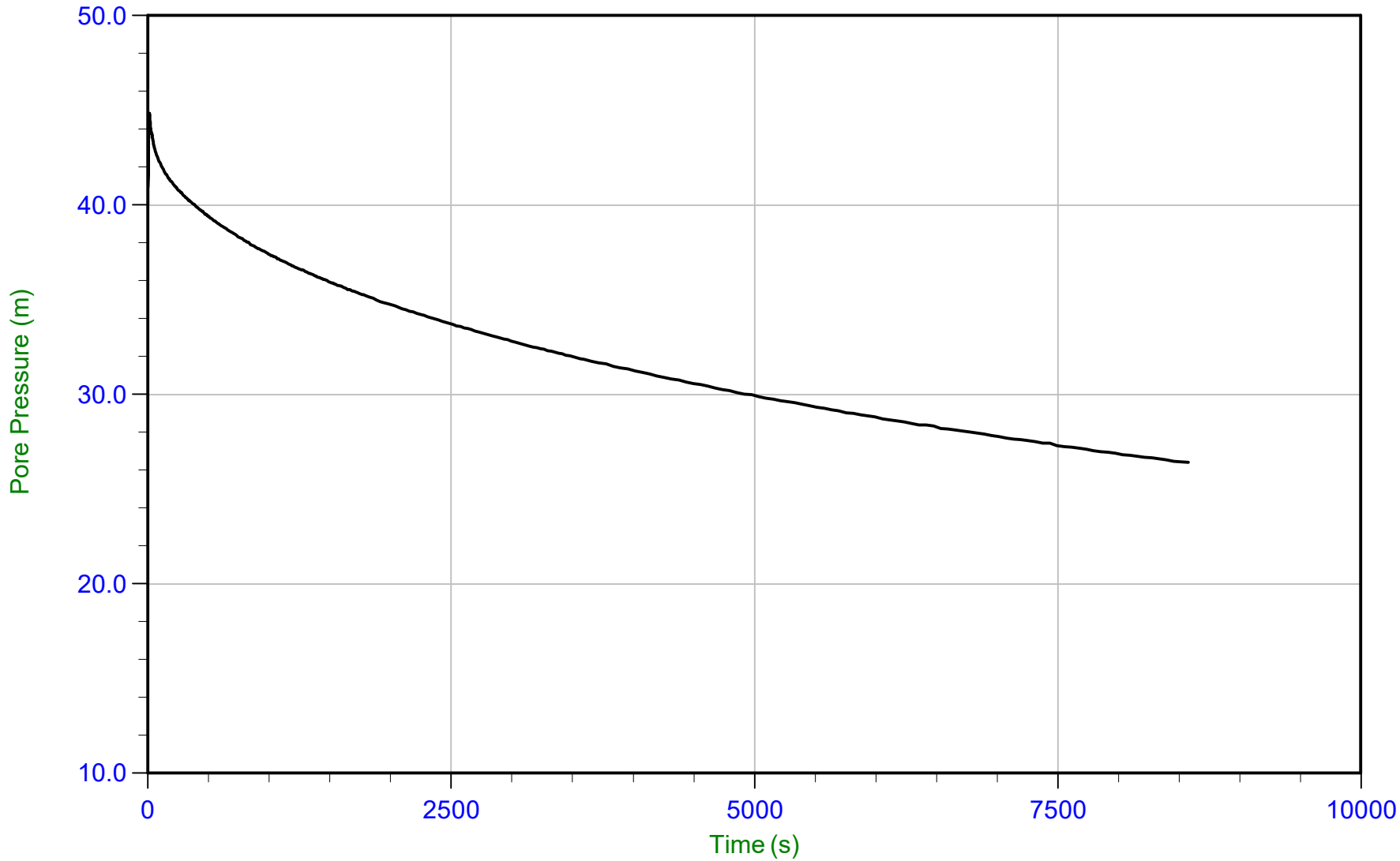
u Min: 27.9 m
u Max: 42.6 m
u Final: 27.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/23/2022 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP08.PPF
Depth: 10.000 m / 32.808 ft
Duration: 8579.9 s

u Min: 26.4 m
u Max: 44.8 m
u Final: 26.4 m

WT: 0.380 m / 1.247 ft
Ueq: 9.6 m
U(50): 27.23 m

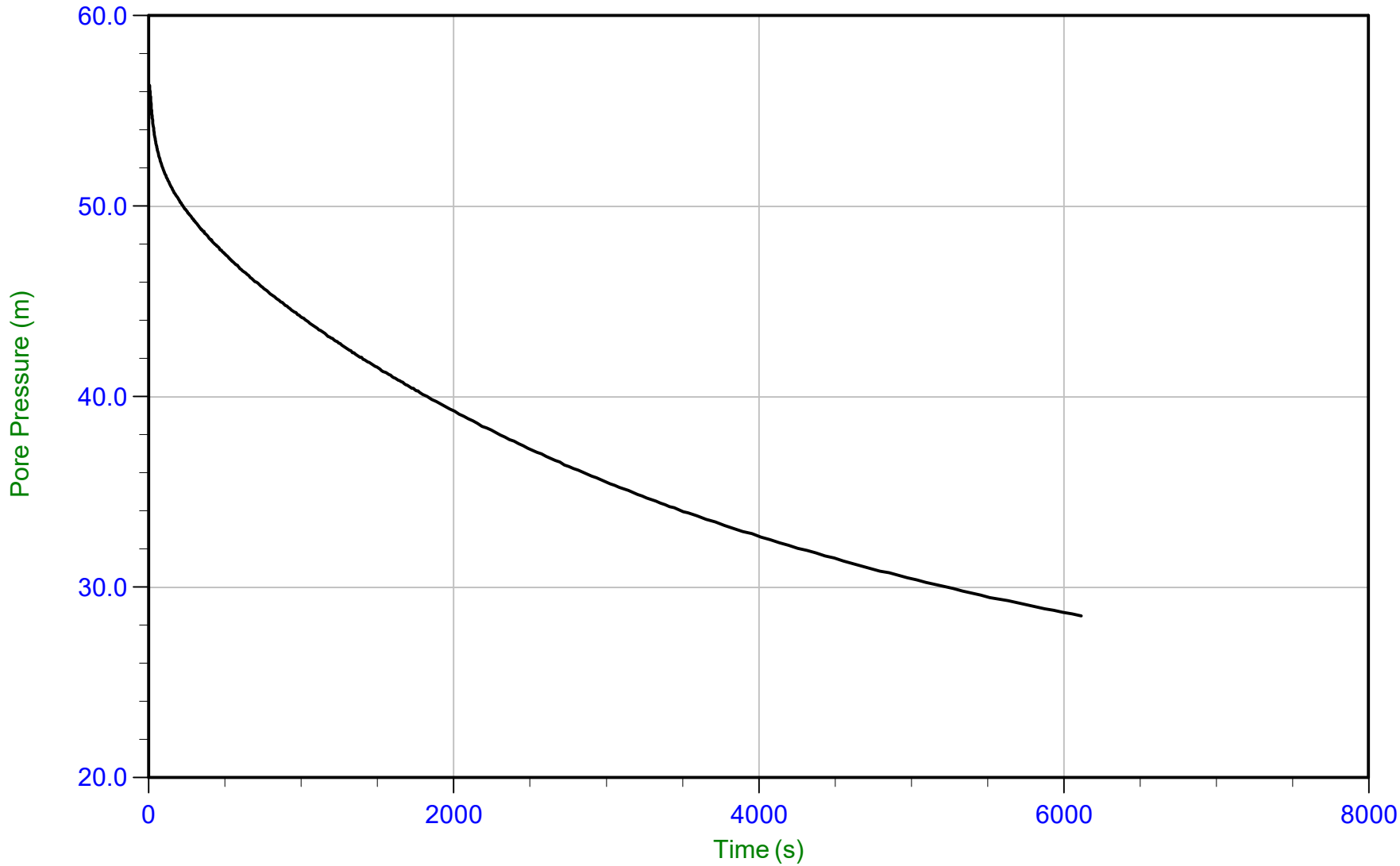
T(50): 7573.8 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/23/2022 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP08.PPF
Depth: 15.000 m / 49.212 ft
Duration: 6119.9 s

u Min: 28.5 m
u Max: 56.4 m
u Final: 28.5 m

WT: 0.380 m / 1.247 ft
Ueq: 14.6 m
U(50): 35.49 m

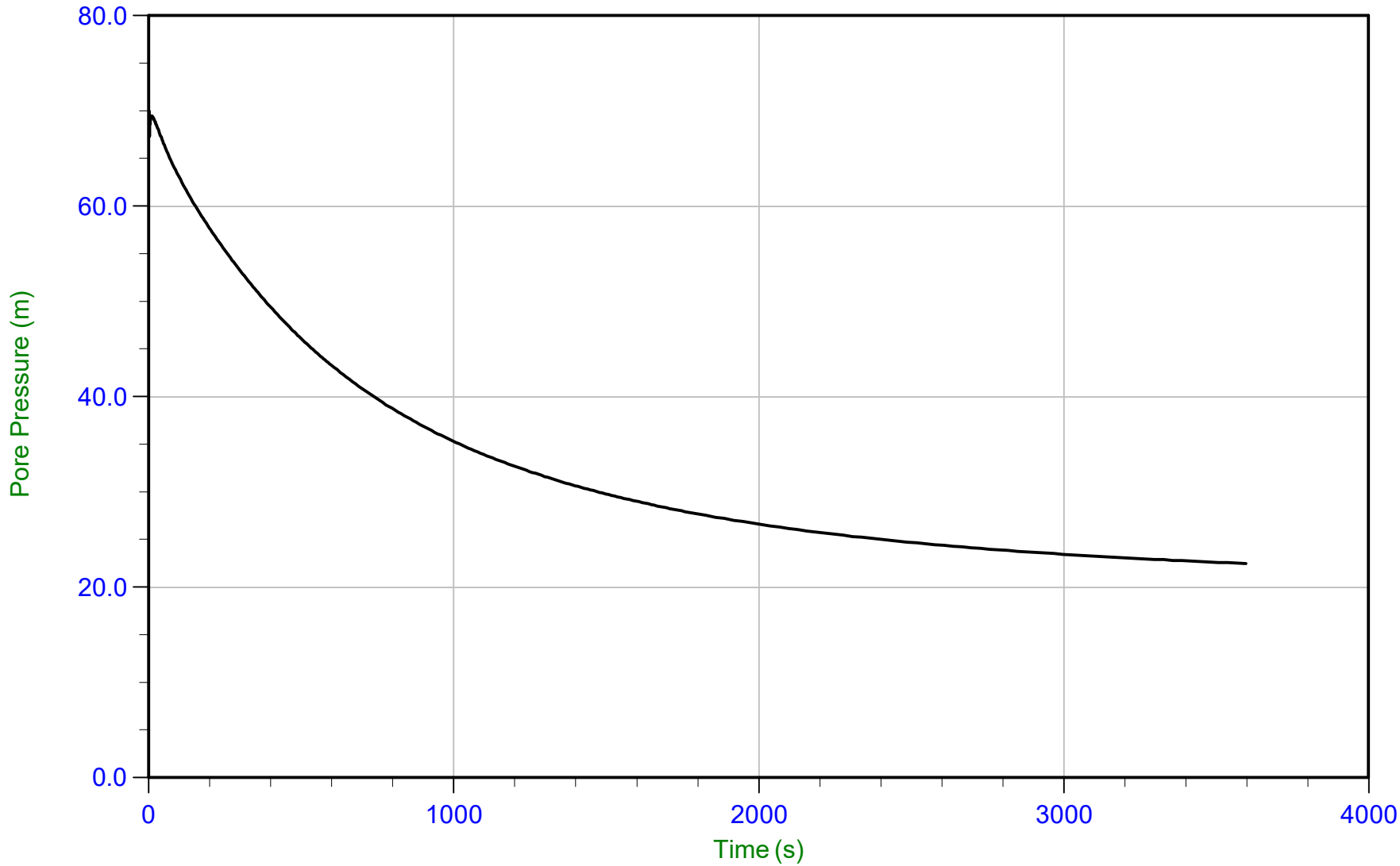
T(50): 3009.2 s
Ir: 100
Ch: 0.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/23/2022 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP08.PPF
Depth: 20.000 m / 65.616 ft
Duration: 3599.9 s

u Min: 22.5 m
u Max: 70.0 m
u Final: 22.5 m

WT: 0.380 m / 1.247 ft
Ueq: 19.6 m
U(50): 44.81 m

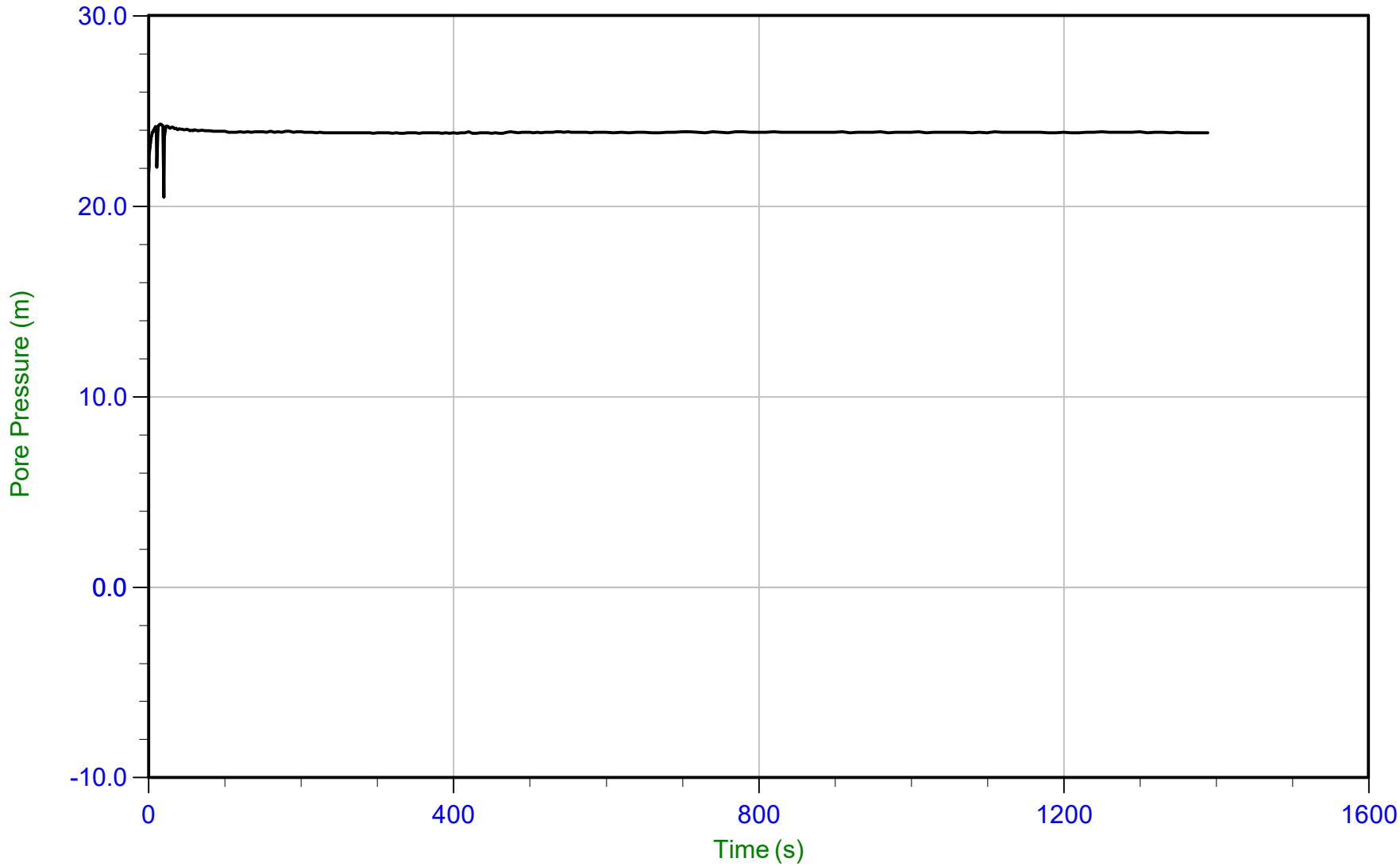
T(50): 544.2 s
Ir: 100
Ch: 1.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/23/2022 11:56
Site: Crawford Mine

Sounding: SRK-OP-CPT-08
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP08.PPF
Depth: 24.275 m / 79.641 ft
Duration: 1389.9 s

u Min: 20.5 m
u Max: 24.3 m
u Final: 23.9 m

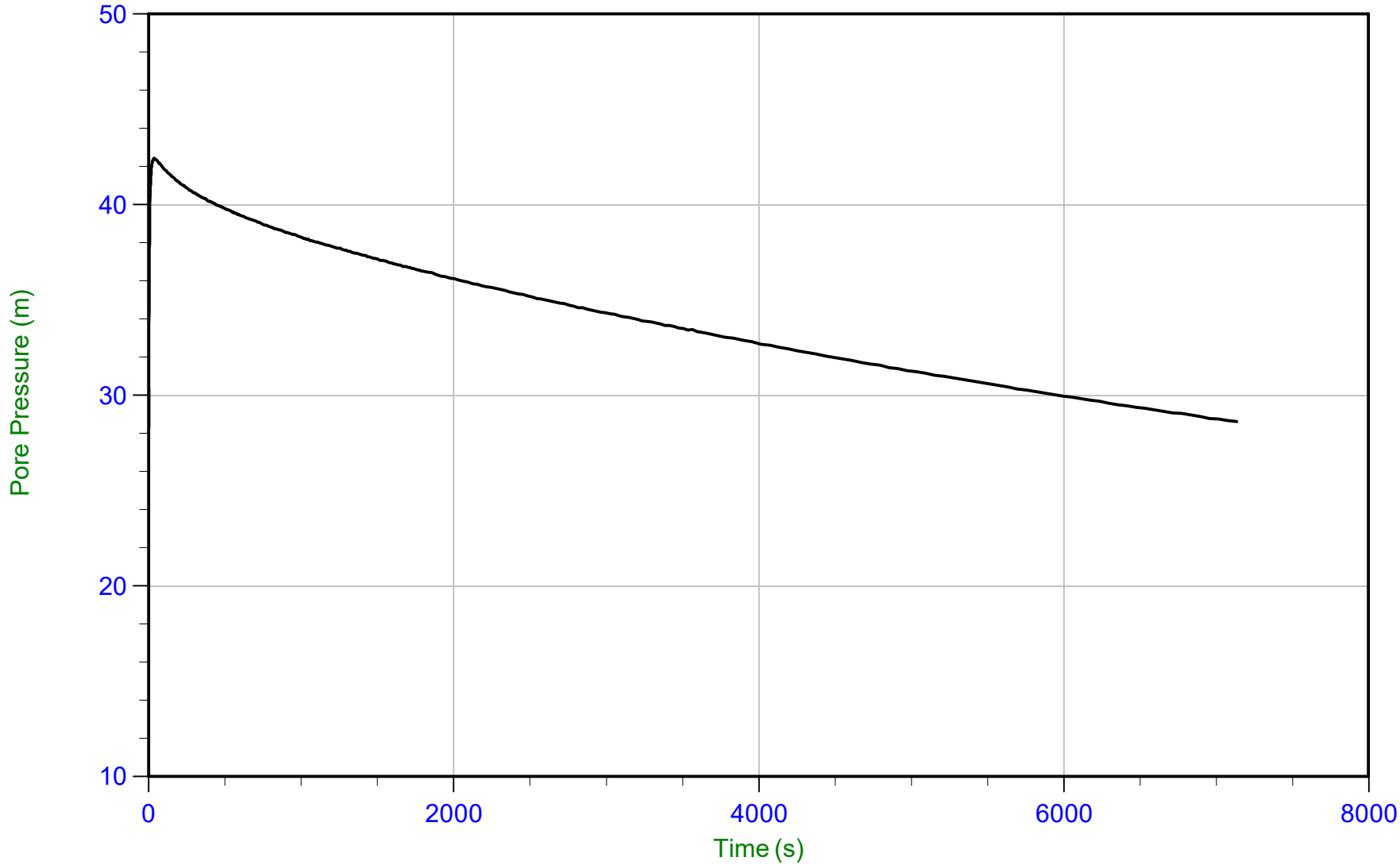
WT: 0.380 m / 1.247 ft
Ueq: 23.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/18/2022 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP09.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7139.7 s

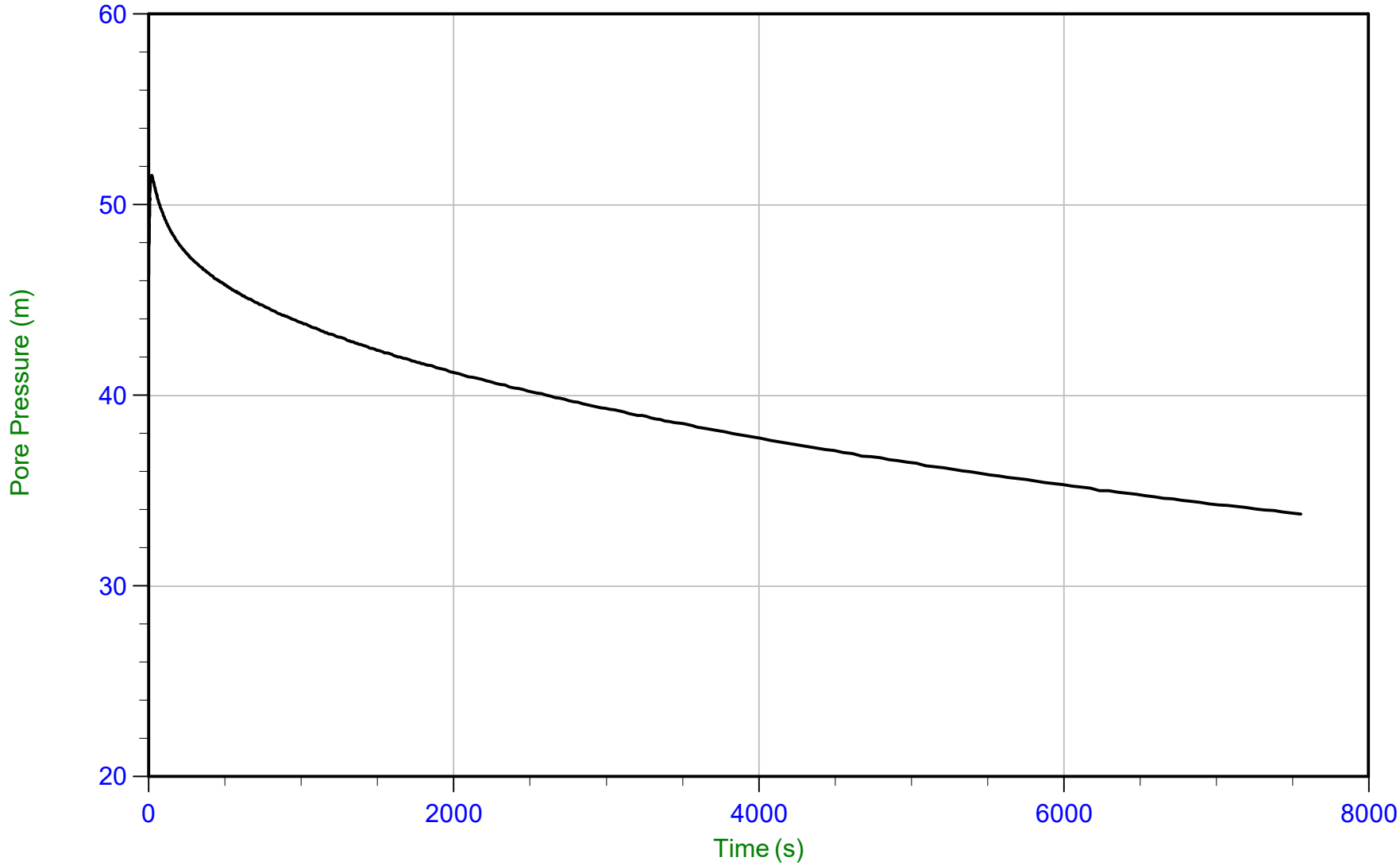
u Min: 28.2 m
u Max: 42.4 m
u Final: 28.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/18/2022 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP09.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7560.0 s

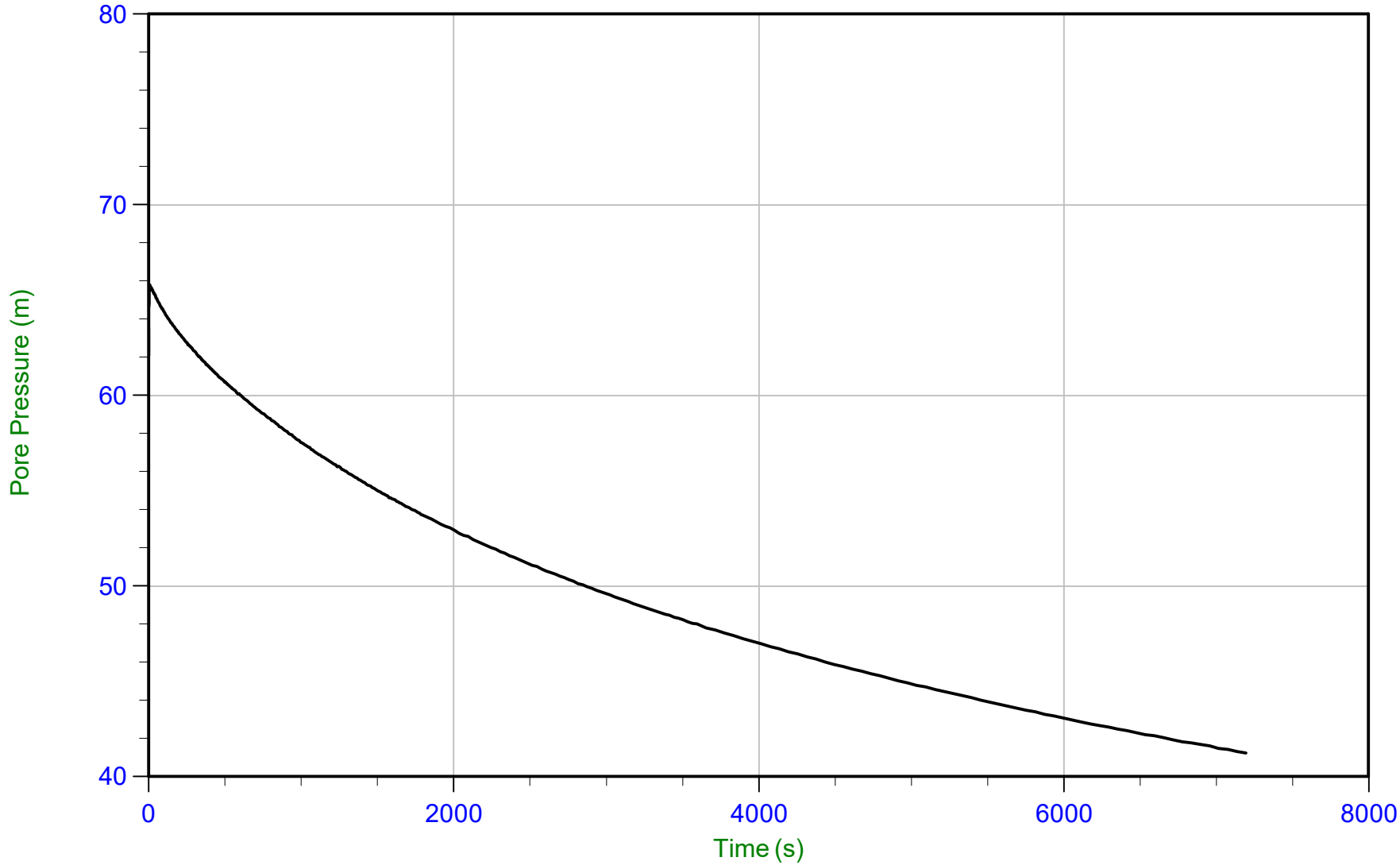
u Min: 33.8 m
u Max: 51.5 m
u Final: 33.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/18/2022 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP09.PPF
Depth: 15.500 m / 50.852 ft
Duration: 7200.0 s

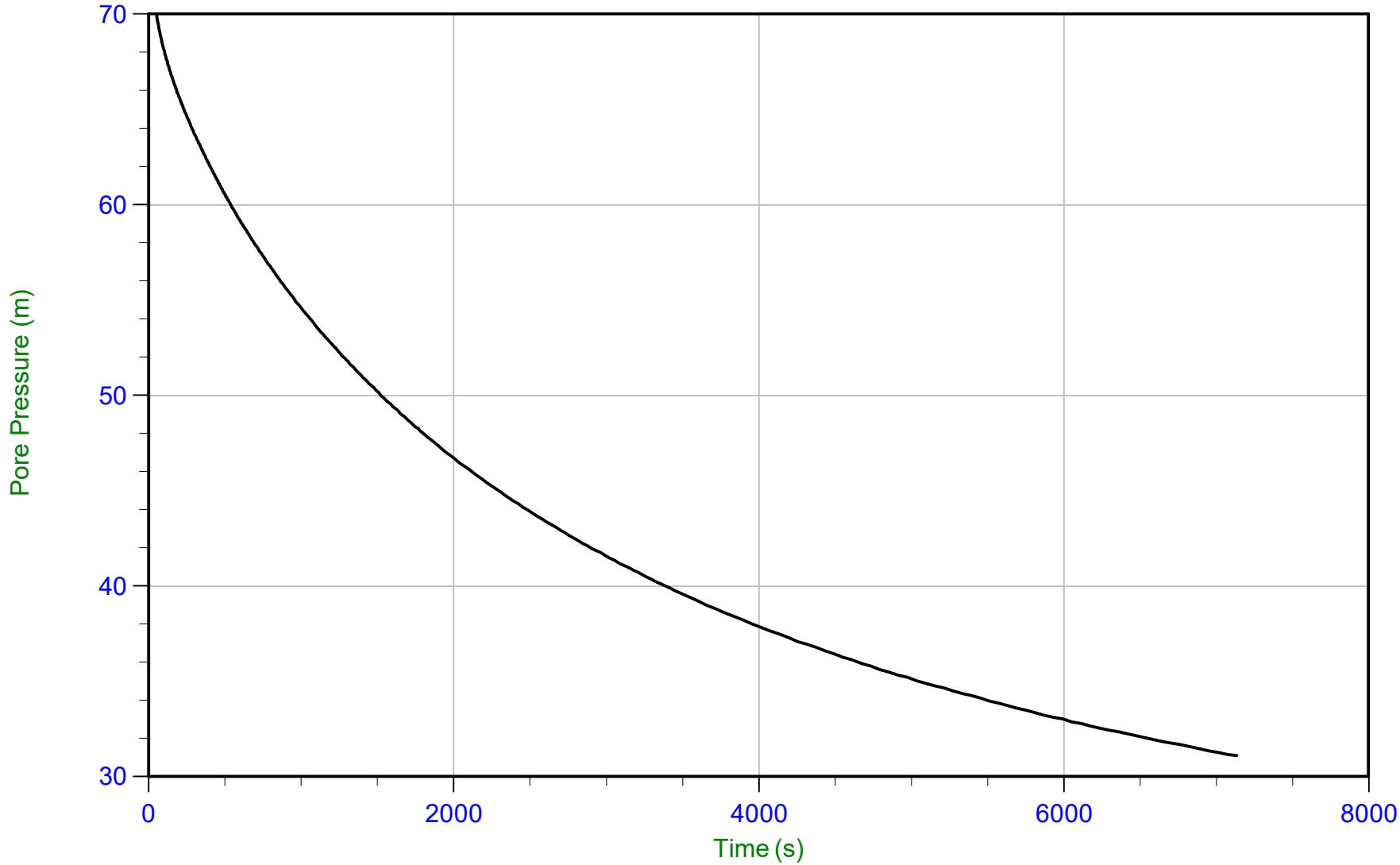
u Min: 41.3 m
u Max: 65.8 m
u Final: 41.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/18/2022 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP09.PPF
Depth: 20.075 m / 65.862 ft
Duration: 7139.8 s

u Min: 31.1 m
u Max: 74.1 m
u Final: 31.1 m

WT: 1.241 m / 4.071 ft
Ueq: 18.8 m
U(50): 46.45 m

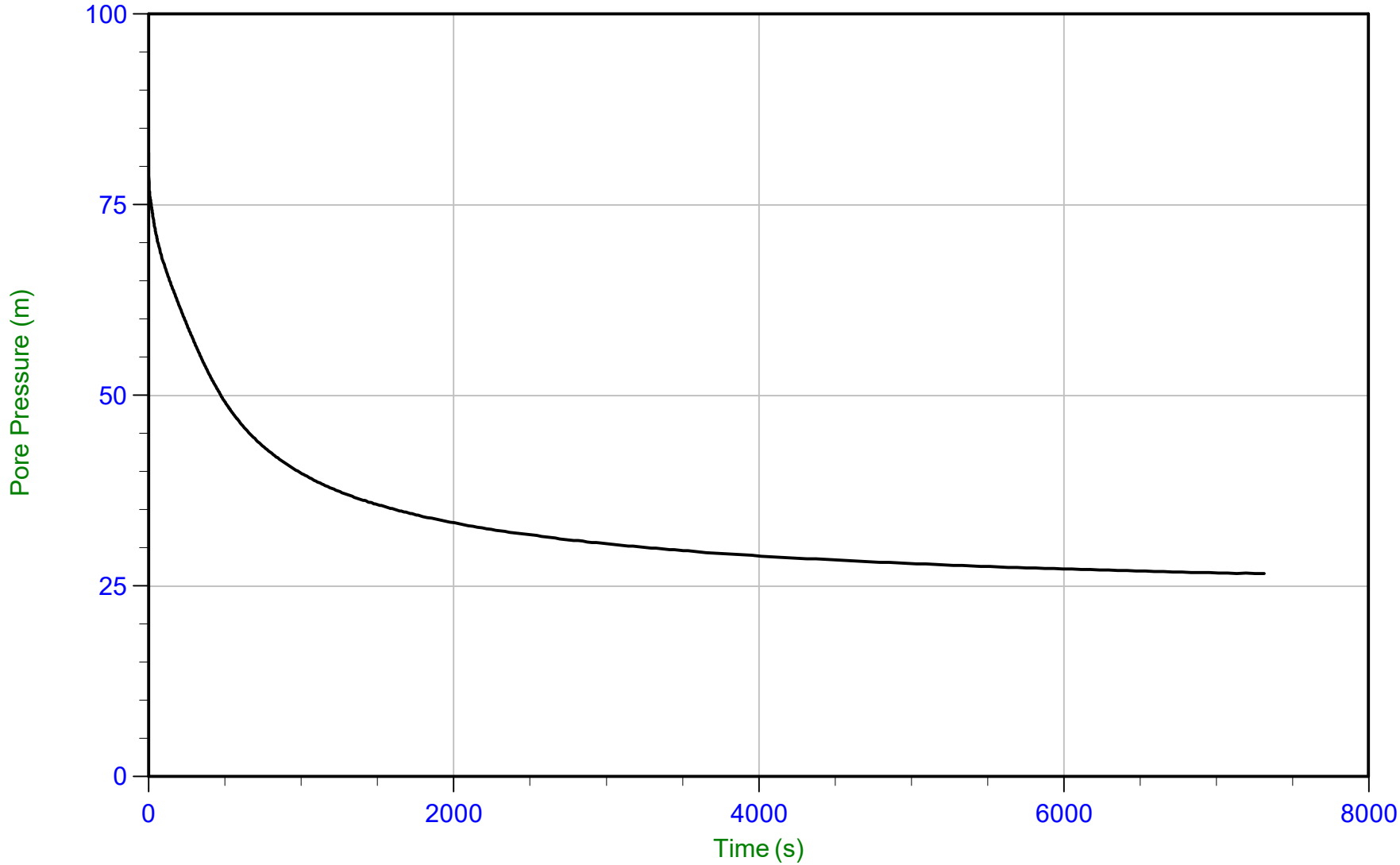
T(50): 2038.7 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/18/2022 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP09.PPF
Depth: 25.000 m / 82.020 ft
Duration: 7319.8 s

u Min: 26.6 m
u Max: 81.9 m
u Final: 26.6 m

WT: 1.241 m / 4.071 ft
Ueq: 23.8 m
U(50): 52.81 m

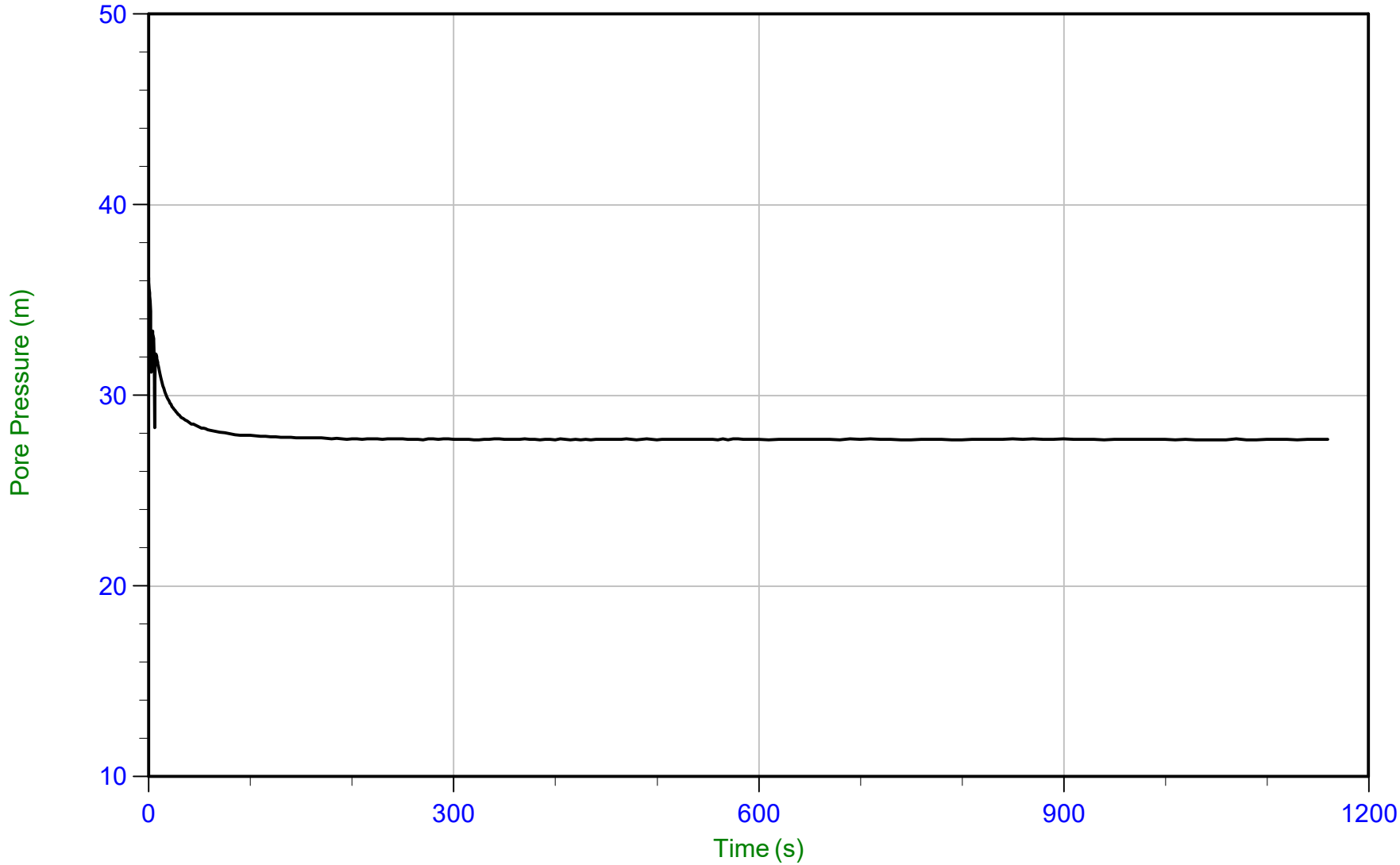
T(50): 398.9 s
Ir: 100
Ch: 1.8 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/18/2022 10:25
Site: Crawford Mine

Sounding: SRK-OP-CPT-09
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP09.PPF
Depth: 28.925 m / 94.897 ft
Duration: 1160.0 s

u Min: 27.7 m
u Max: 36.2 m
u Final: 27.7 m

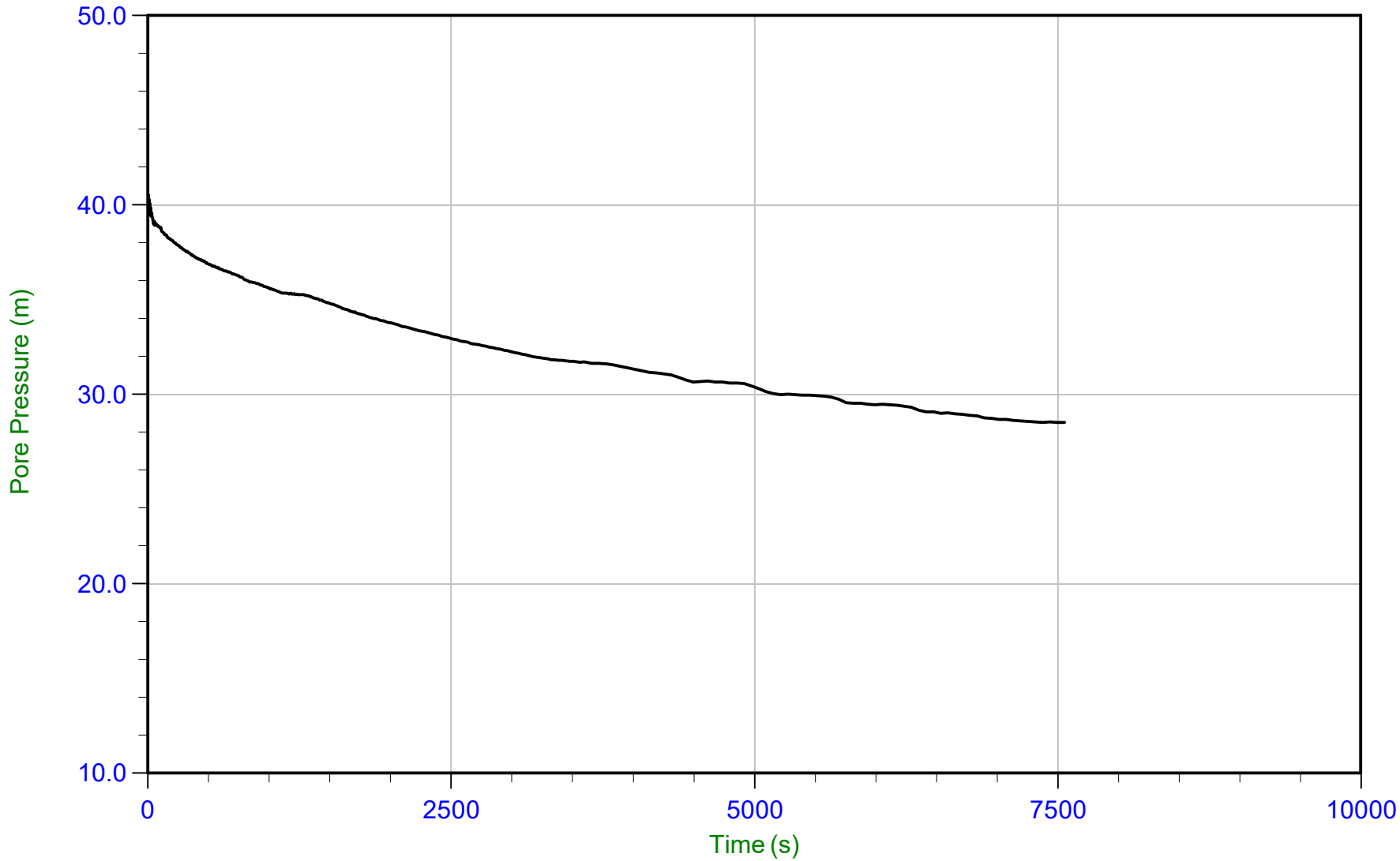
WT: 1.241 m / 4.071 ft
Ueq: 27.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/10/2021 09:19
Site: Crawford Mine

Sounding: SRK-OP-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP10.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7560.0 s

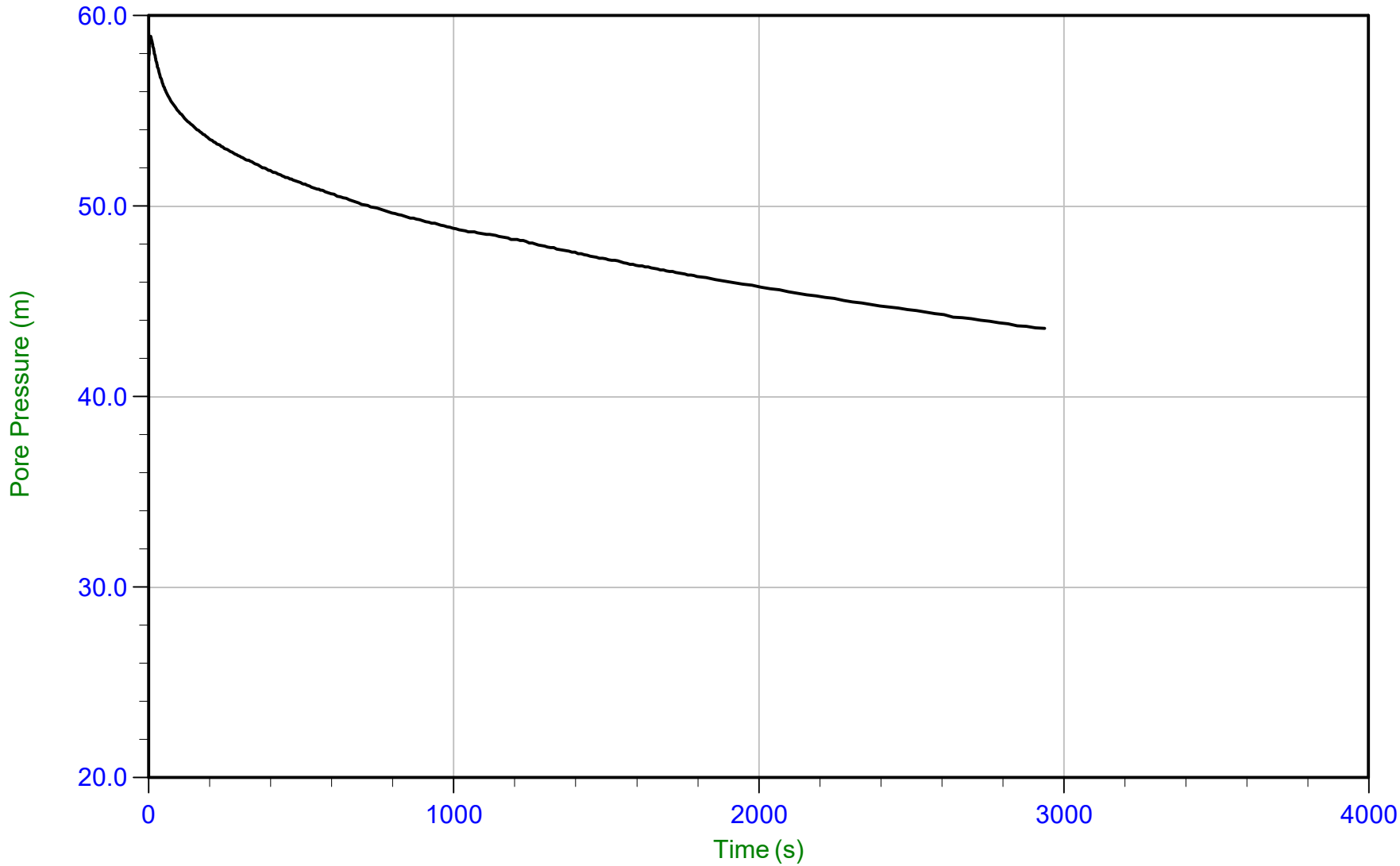
u Min: 28.5 m
u Max: 40.5 m
u Final: 28.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/10/2021 09:19
Site: Crawford Mine

Sounding: SRK-OP-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP10.PPF
Depth: 10.000 m / 32.808 ft
Duration: 2940.0 s

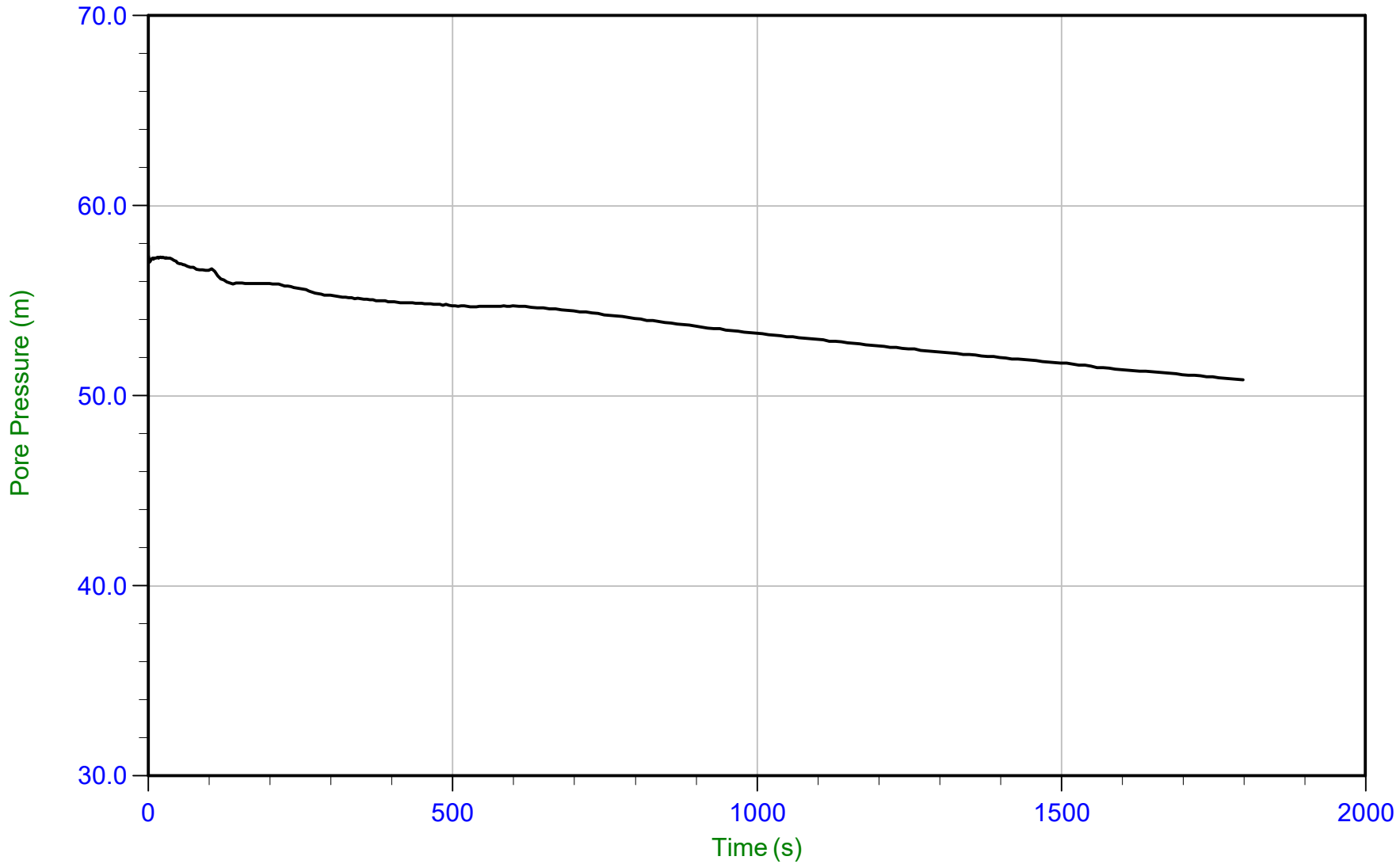
u Min: 43.6 m
u Max: 59.1 m
u Final: 43.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/10/2021 09:19
Site: Crawford Mine

Sounding: SRK-OP-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP10.PPF
Depth: 12.925 m / 42.404 ft
Duration: 1800.0 s

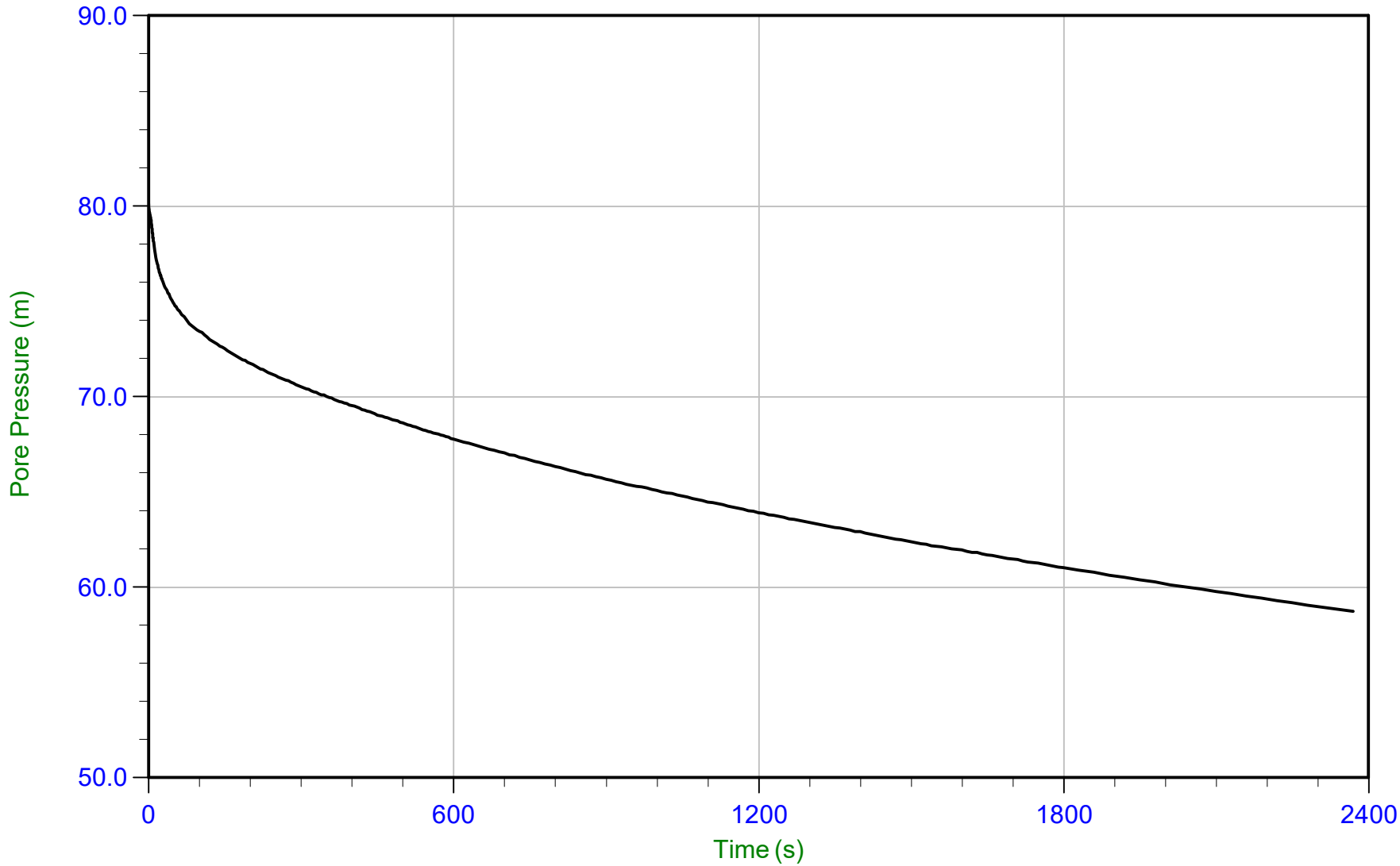
u Min: 50.8 m
u Max: 57.9 m
u Final: 50.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/10/2021 13:52
Site: Crawford Mine

Sounding: SRK-OP-CPT-10B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP10B.PPF
Depth: 15.000 m / 49.212 ft
Duration: 2370.0 s

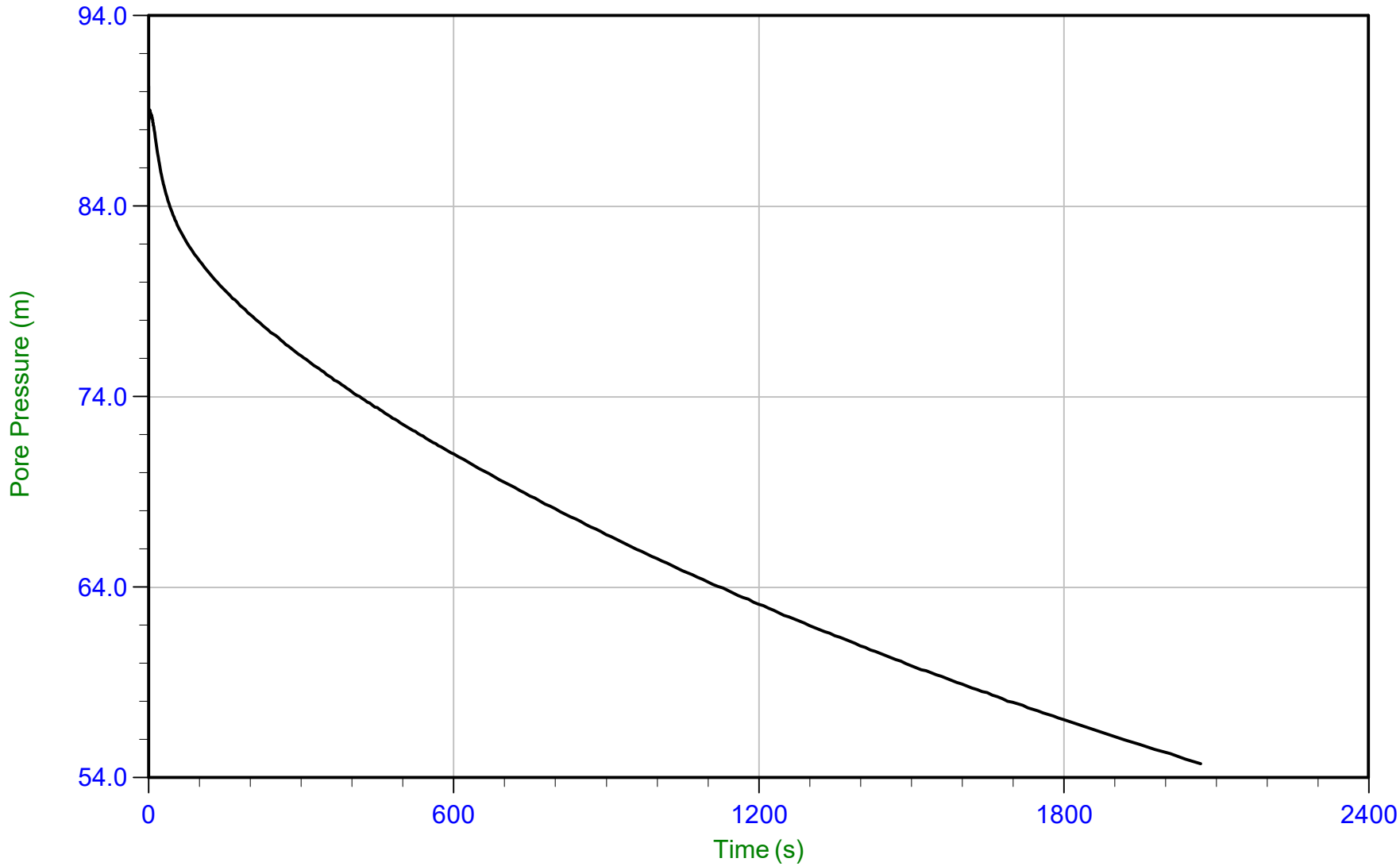
u Min: 58.7 m
u Max: 80.1 m
u Final: 58.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/10/2021 13:52
Site: Crawford Mine

Sounding: SRK-OP-CPT-10B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP10B.PPF
Depth: 20.000 m / 65.616 ft
Duration: 2070.0 s

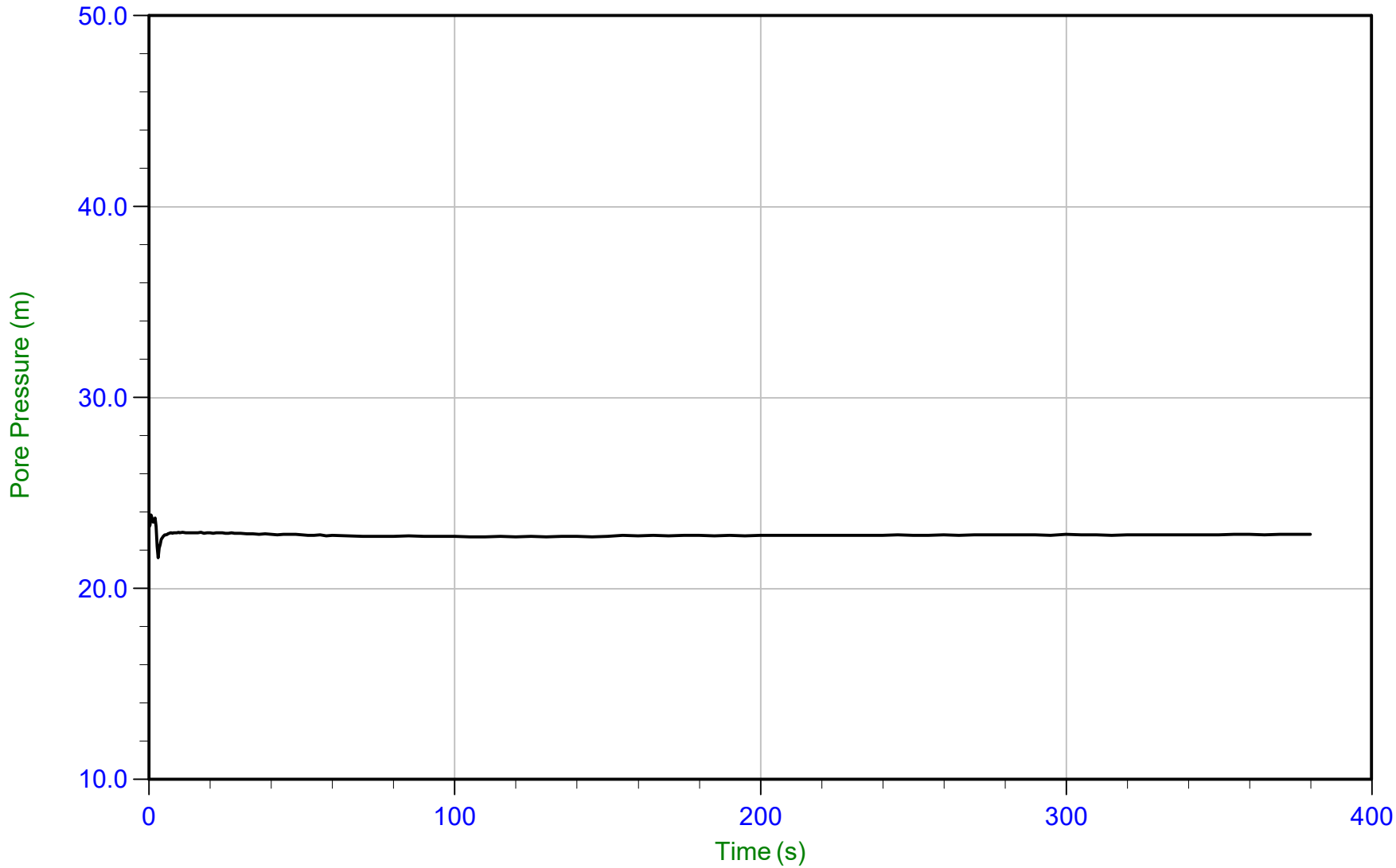
u Min: 54.7 m
u Max: 90.3 m
u Final: 54.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/10/2021 13:52
Site: Crawford Mine

Sounding: SRK-OP-CPT-10B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP10B.PPF
Depth: 28.375 m / 93.093 ft
Duration: 380.0 s

u Min: 21.6 m
u Max: 23.9 m
u Final: 22.8 m

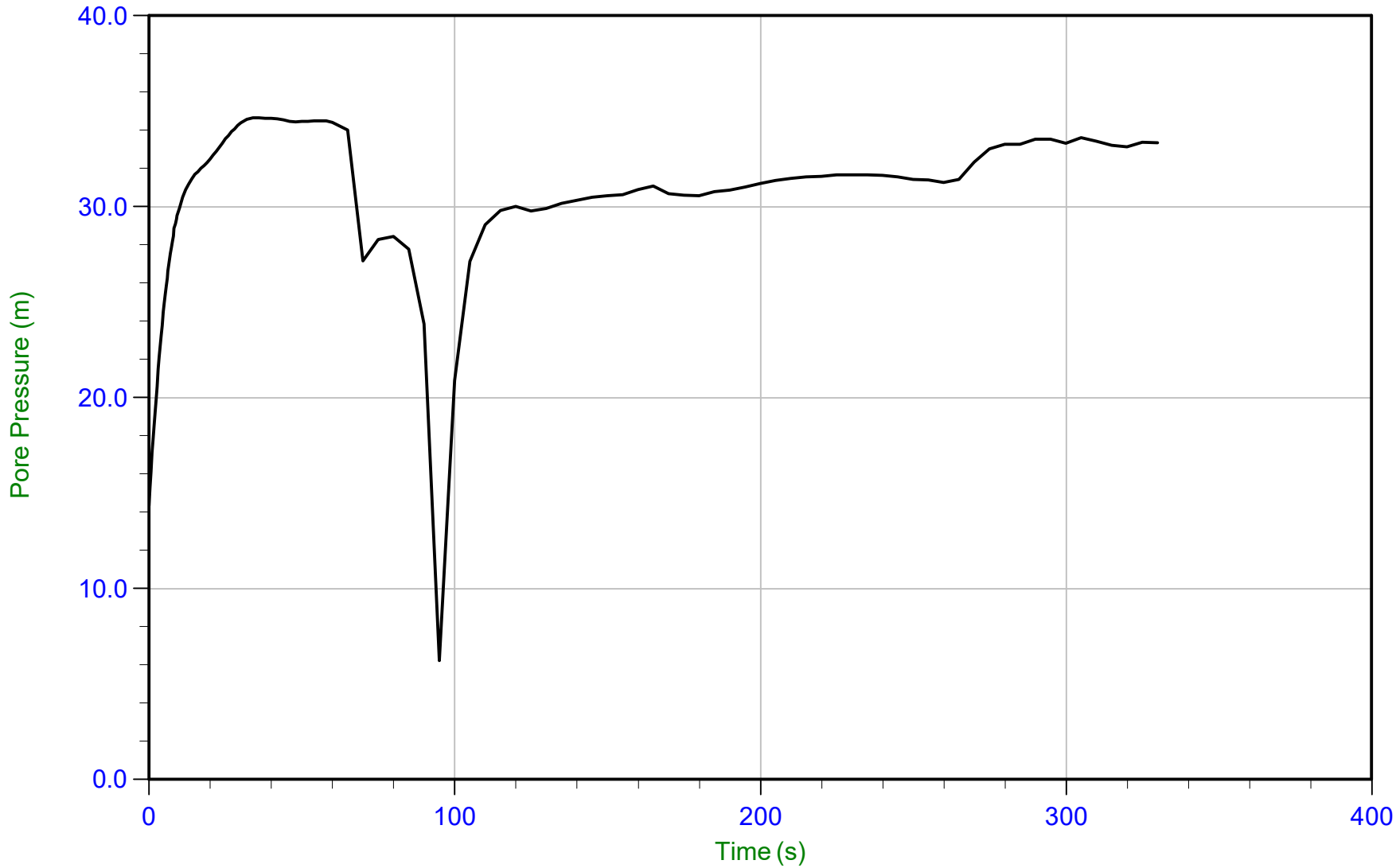
WT: 5.533 m / 18.153 ft
Ueq: 22.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/08/2021 07:03
Site: Crawford Mine

Sounding: SRK-OP-CPT-11
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP11.PPF
Depth: 5.000 m / 16.404 ft
Duration: 330.0 s

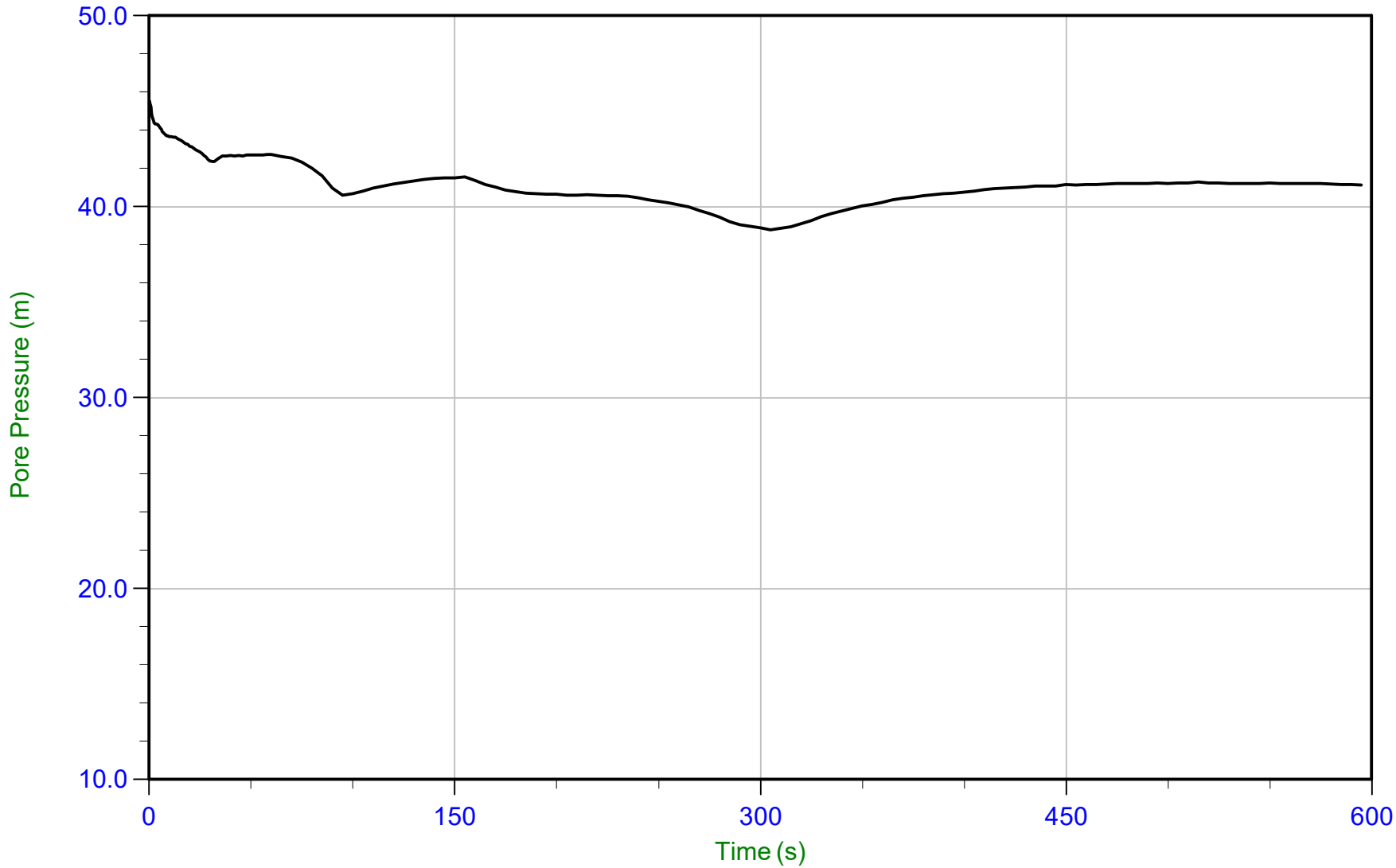
u Min: 6.2 m
u Max: 34.7 m
u Final: 33.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/08/2021 07:03
Site: Crawford Mine

Sounding: SRK-OP-CPT-11
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP11.PPF
Depth: 10.000 m / 32.808 ft
Duration: 595.0 s

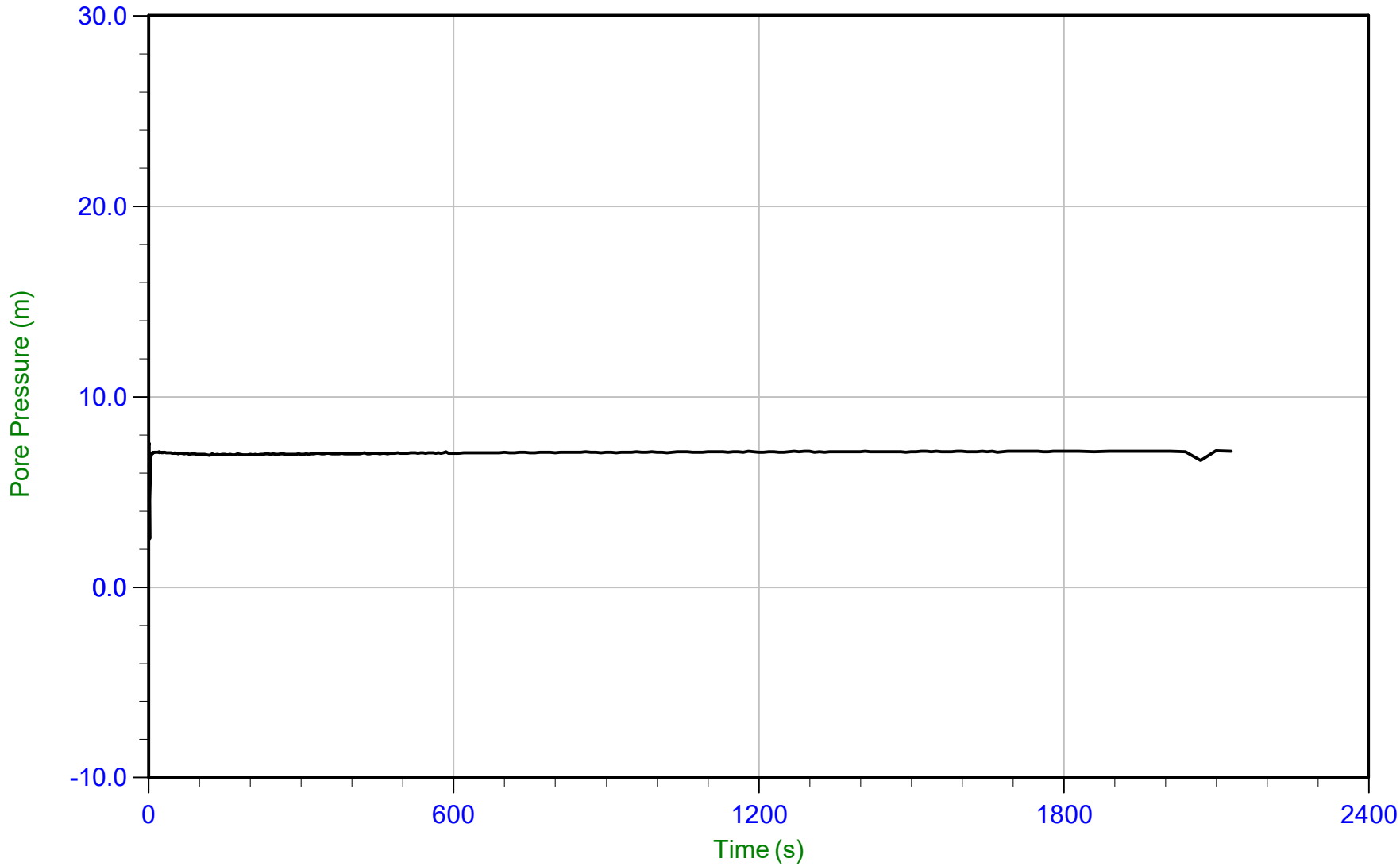
u Min: 38.8 m
u Max: 45.6 m
u Final: 41.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/08/2021 07:03
Site: Crawford Mine

Sounding: SRK-OP-CPT-11
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP11.PPF
Depth: 14.275 m / 46.833 ft
Duration: 2130.0 s

u Min: 2.6 m
u Max: 7.6 m
u Final: 7.1 m

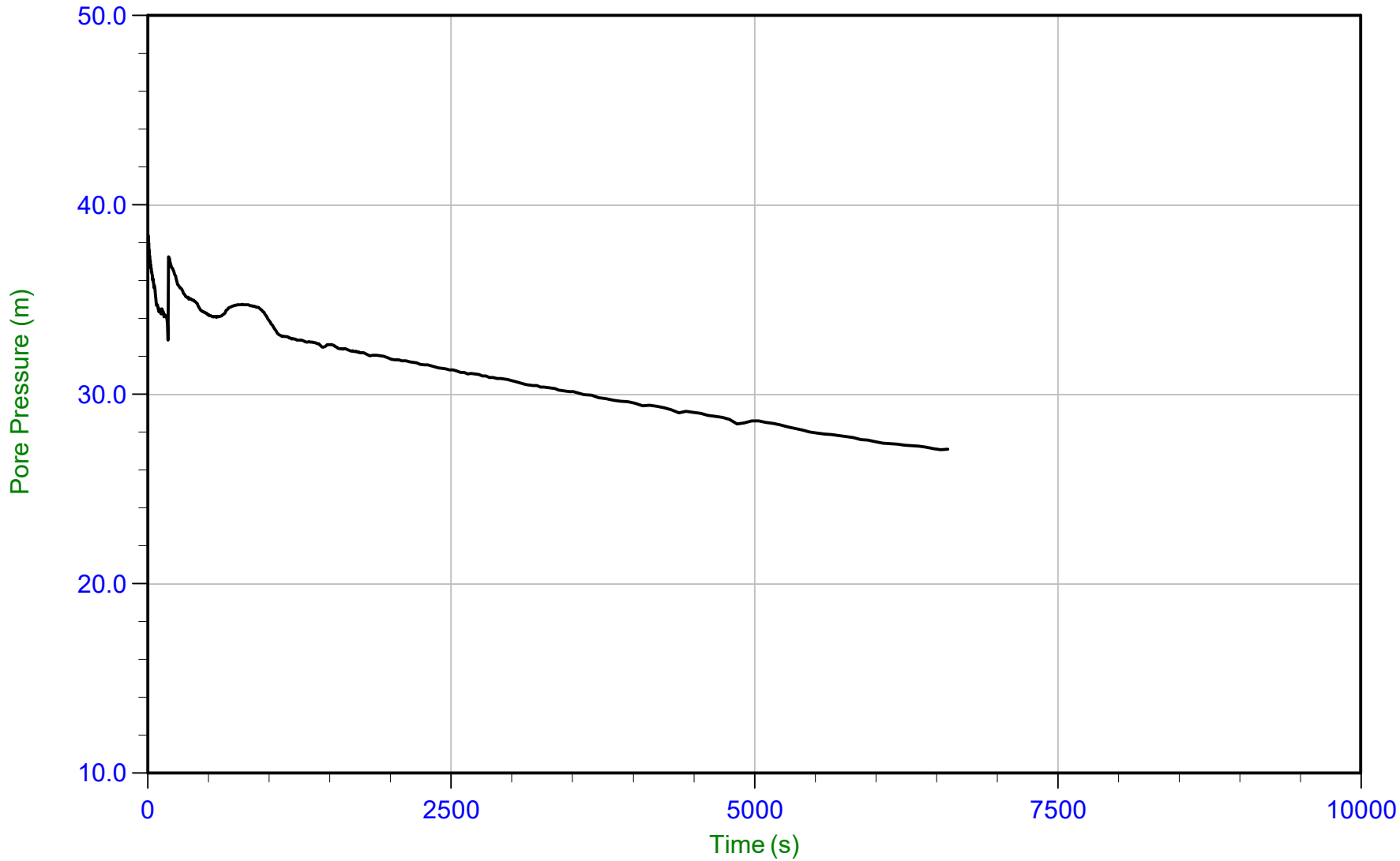
WT: 7.117 m / 23.349 ft
Ueq: 7.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/08/2021 09:01
Site: Crawford Mine

Sounding: SRK-OP-CPT-11B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP11B.PPF
Depth: 5.000 m / 16.404 ft
Duration: 6600.0 s

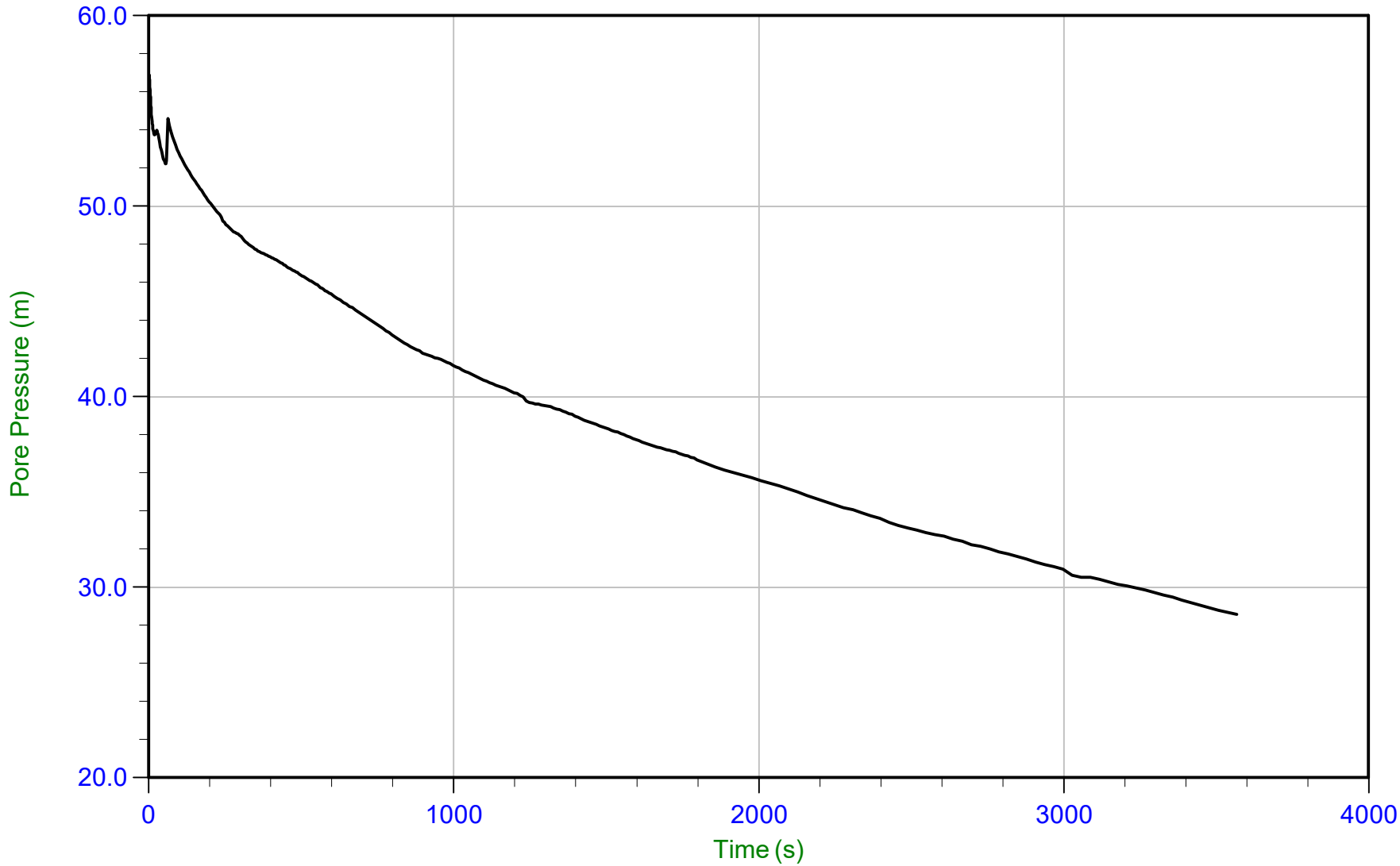
u Min: 27.1 m
u Max: 38.4 m
u Final: 27.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/08/2021 09:01
Site: Crawford Mine

Sounding: SRK-OP-CPT-11B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP11B.PPF
Depth: 10.000 m / 32.808 ft
Duration: 3570.0 s

u Min: 28.6 m
u Max: 56.9 m
u Final: 28.6 m

WT: 6.882 m / 22.578 ft
Ueq: 3.1 m
U(50): 30.01 m

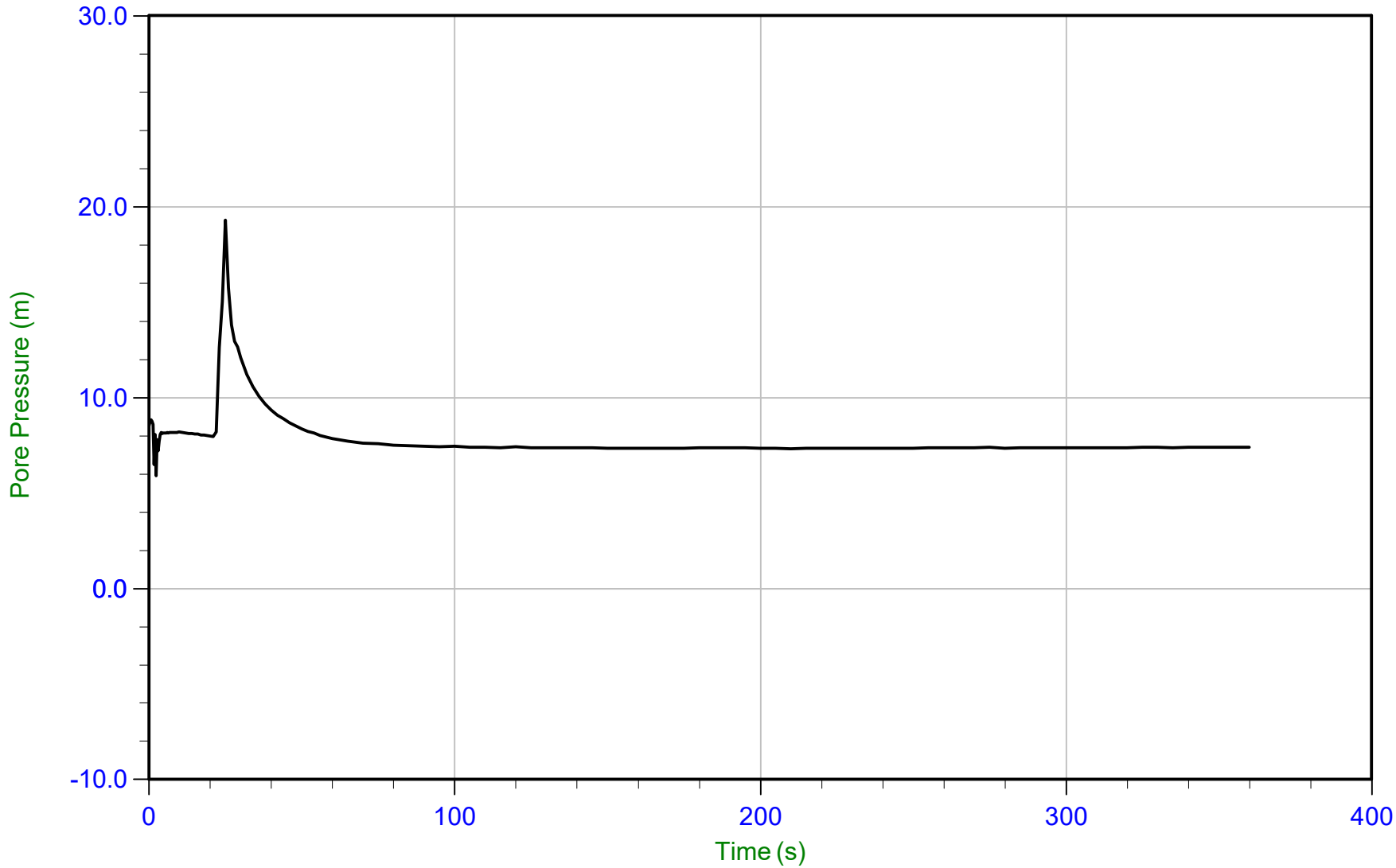
T(50): 3222.9 s
Ir: 100
Ch: 0.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/08/2021 09:01
Site: Crawford Mine

Sounding: SRK-OP-CPT-11B
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CP11B.PPF
Depth: 14.250 m / 46.751 ft
Duration: 360.0 s

u Min: 5.9 m
u Max: 19.3 m
u Final: 7.4 m

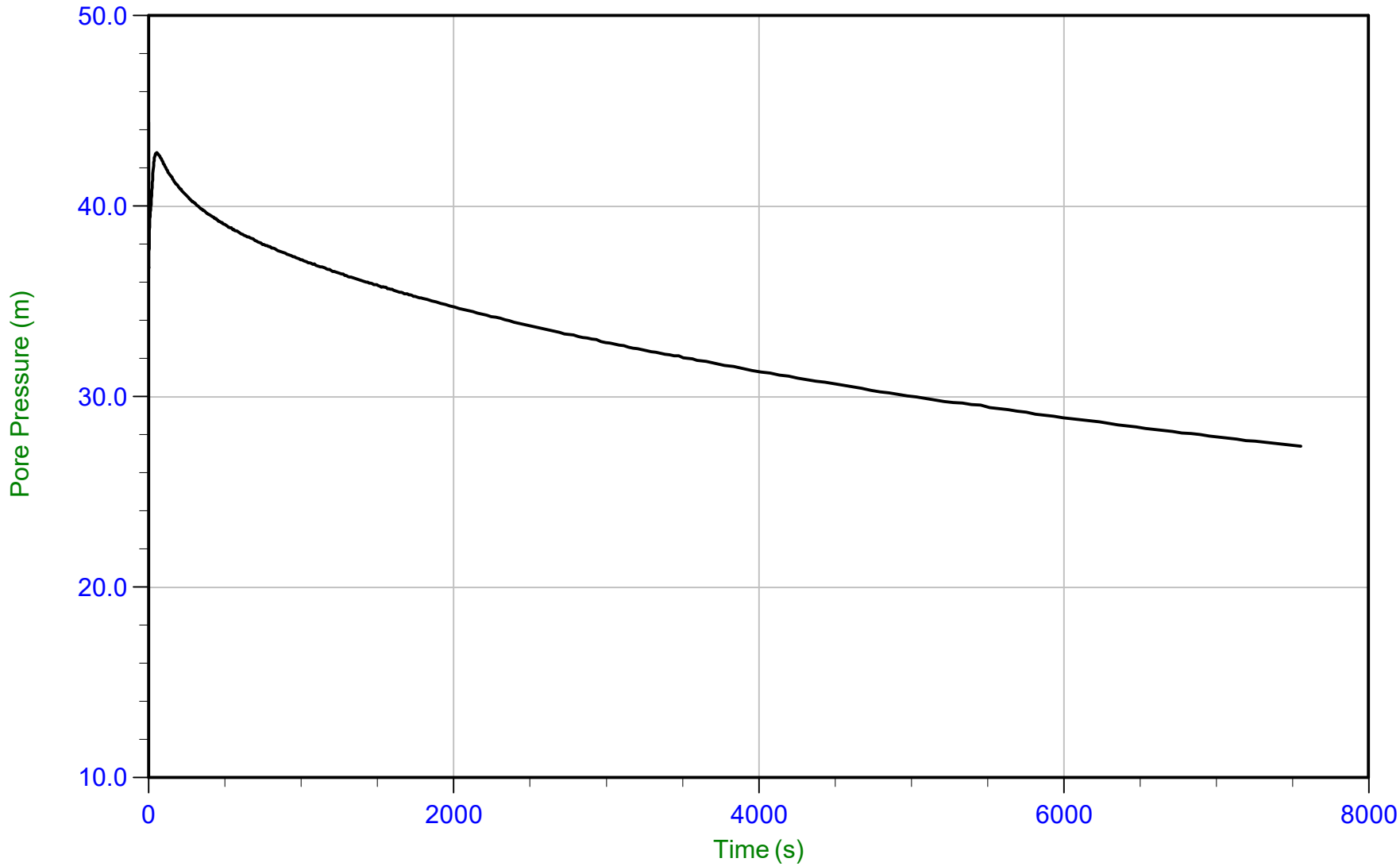
WT: 6.882 m / 22.578 ft
Ueq: 7.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7559.8 s

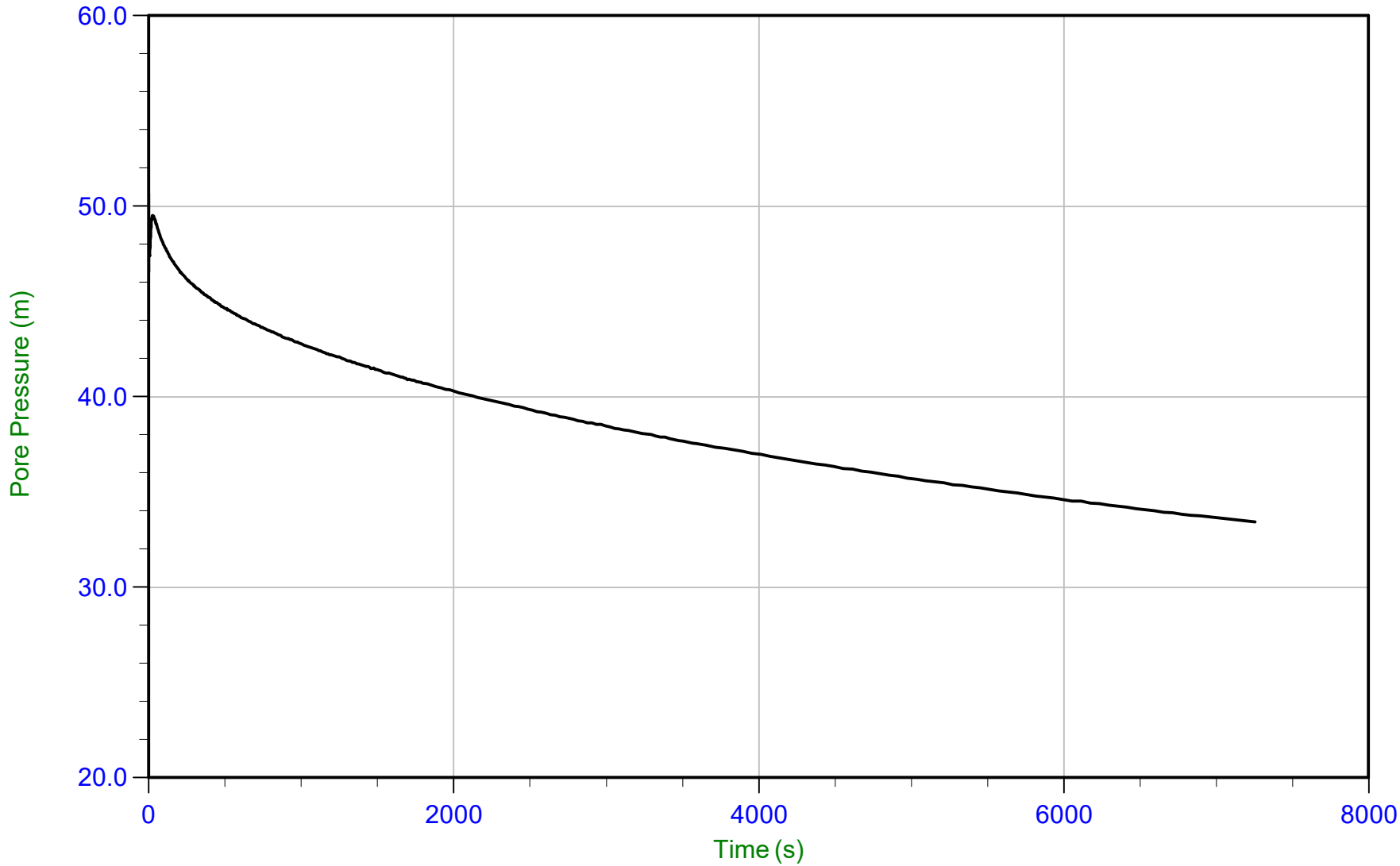
u Min: 27.4 m
u Max: 44.4 m
u Final: 27.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7259.8 s

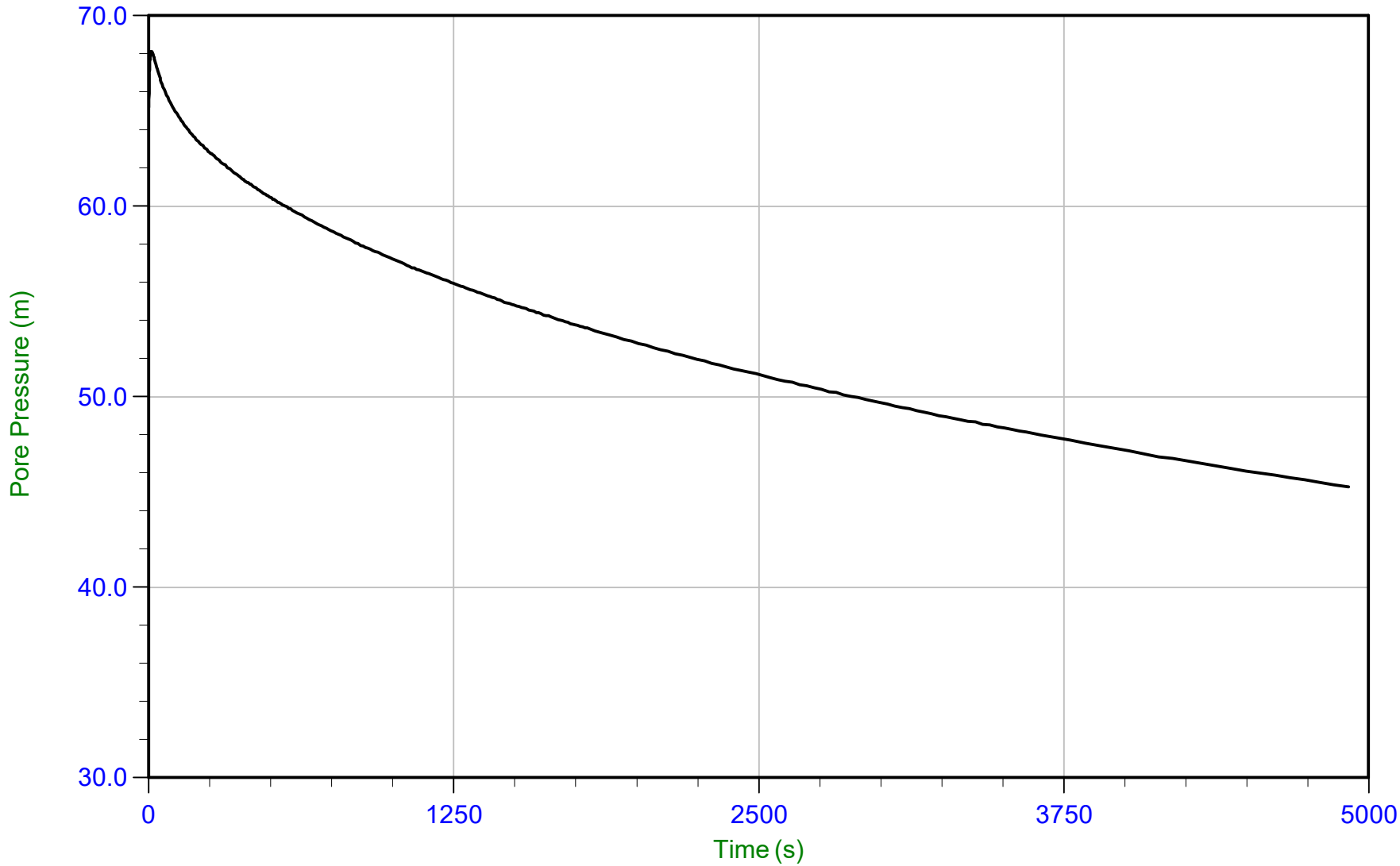
u Min: 33.4 m
u Max: 50.7 m
u Final: 33.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 15.000 m / 49.212 ft
Duration: 4919.9 s

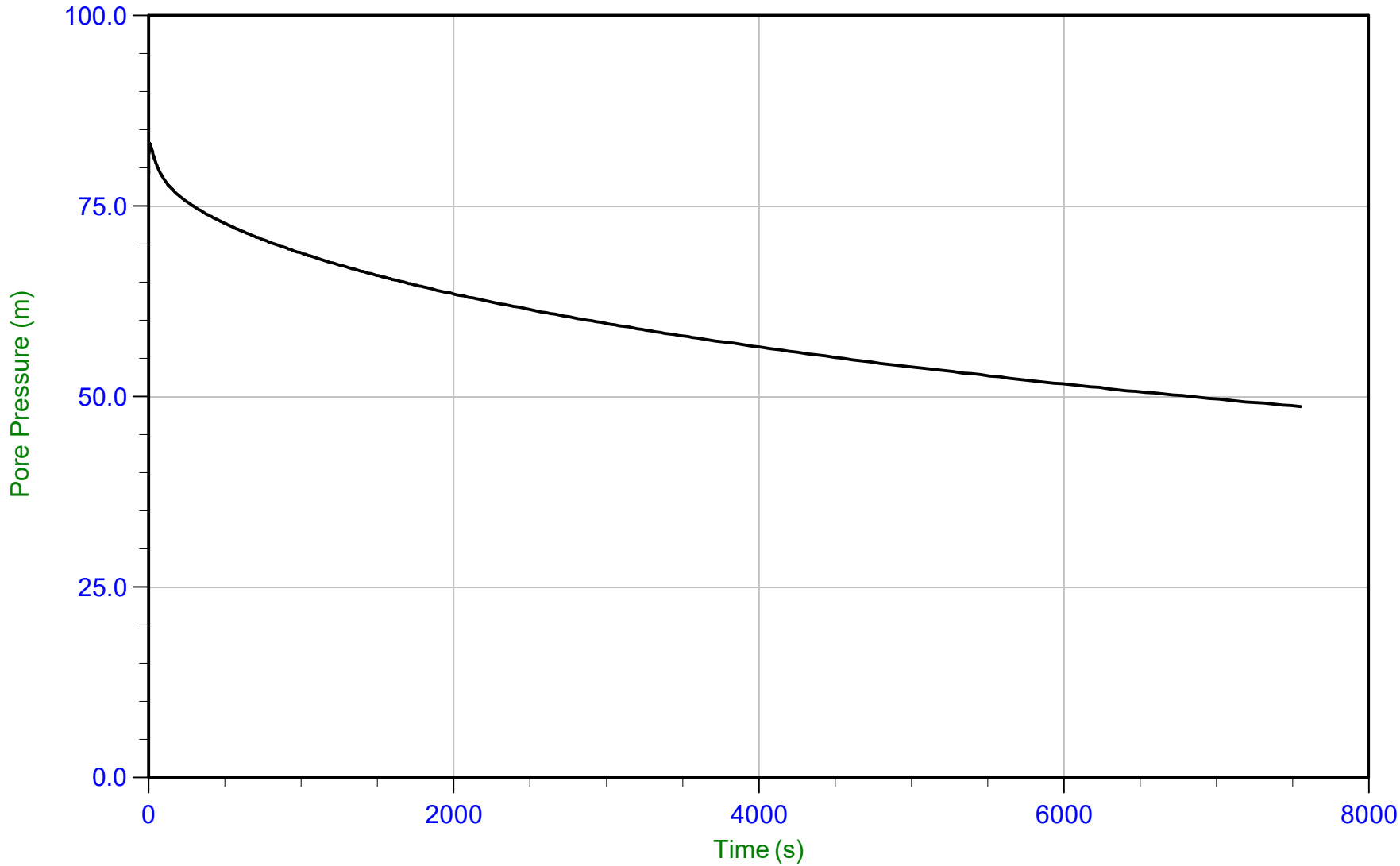
u Min: 45.3 m
u Max: 68.1 m
u Final: 45.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 20.000 m / 65.616 ft
Duration: 7559.9 s

u Min: 48.7 m
u Max: 83.2 m
u Final: 48.7 m

WT: 2.191 m / 7.188 ft
Ueq: 17.8 m
U(50): 50.51 m

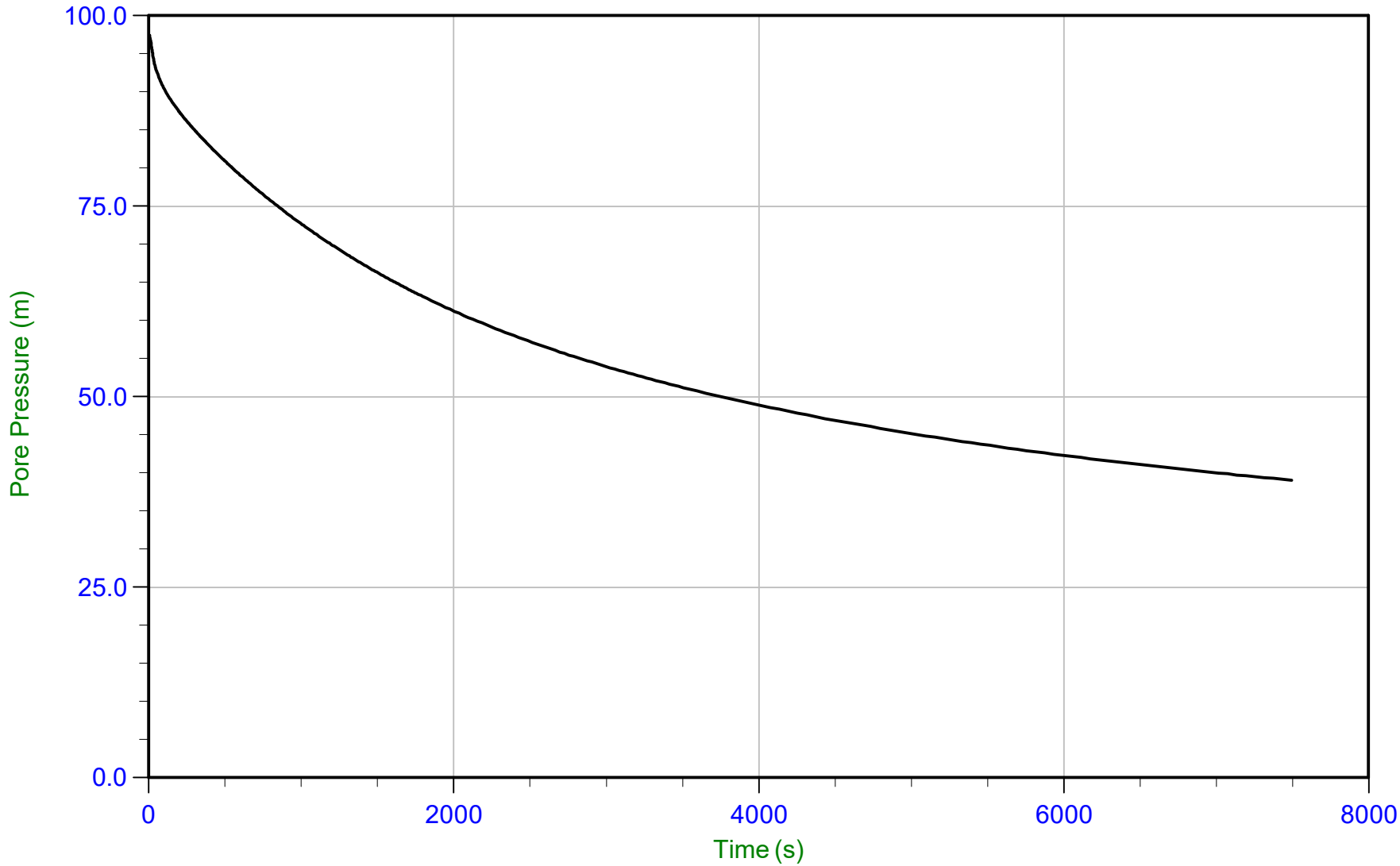
T(50): 6564.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 25.000 m / 82.020 ft
Duration: 7499.9 s

u Min: 39.0 m
u Max: 97.5 m
u Final: 39.0 m

WT: 2.191 m / 7.188 ft
Ueq: 22.8 m
U(50): 60.16 m

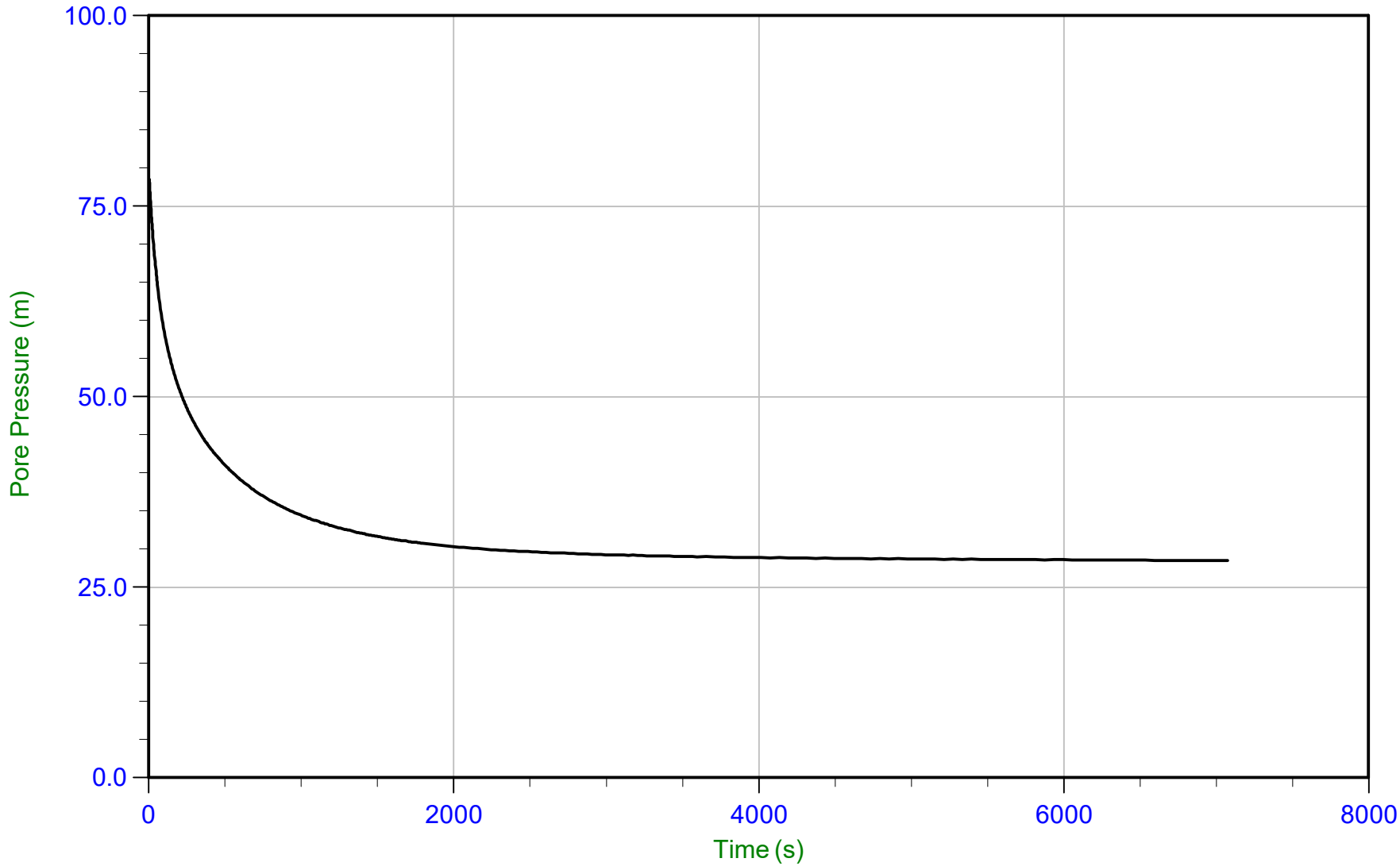
T(50): 2128.9 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 30.000 m / 98.424 ft
Duration: 7079.9 s

u Min: 28.5 m
u Max: 78.5 m
u Final: 28.5 m

WT: 2.191 m / 7.188 ft
Ueq: 27.8 m
U(50): 53.15 m

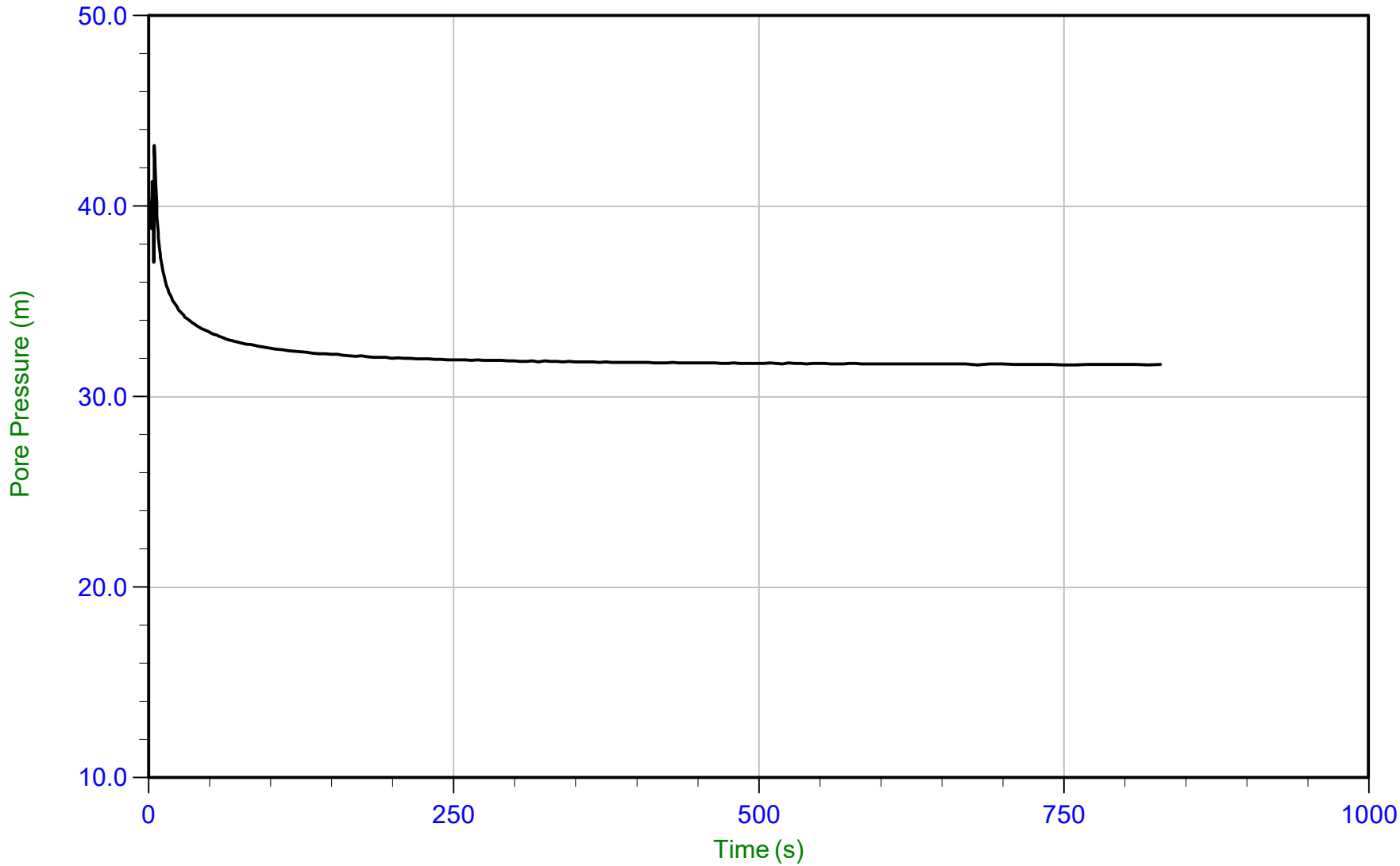
T(50): 163.9 s
Ir: 100
Ch: 4.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/21/2022 06:47
Site: Crawford Mine

Sounding: SRK-OP-CPT-12
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP12.PPF
Depth: 33.875 m / 111.137 ft
Duration: 830.0 s

u Min: 31.7 m
u Max: 43.2 m
u Final: 31.7 m

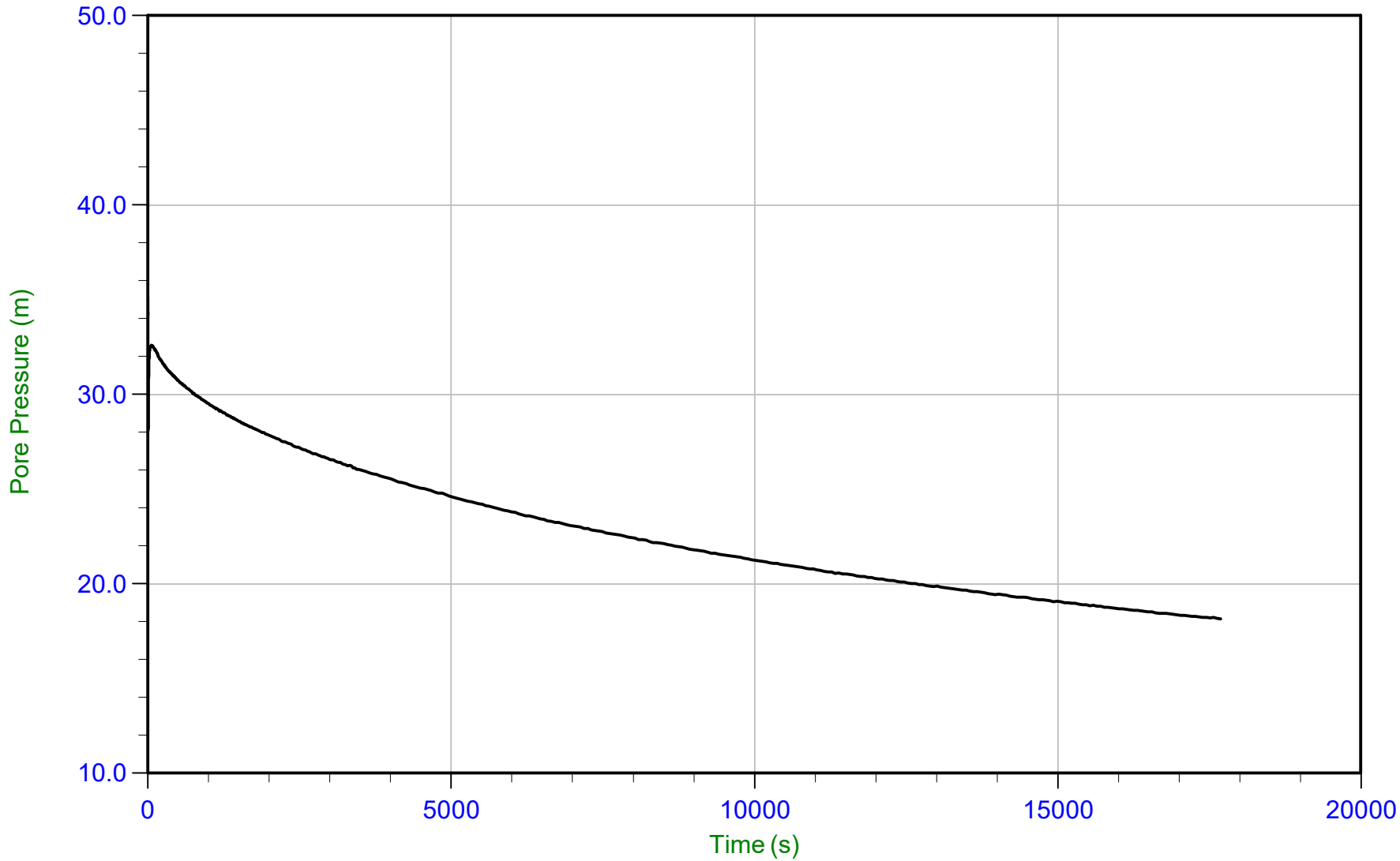
WT: 2.191 m / 7.188 ft
Ueq: 31.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/20/2022 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP16.PPF
Depth: 5.000 m / 16.404 ft
Duration: 17699.6 s

u Min: 18.2 m
u Max: 35.1 m
u Final: 18.2 m

WT: 0.083 m / 0.272 ft
Ueq: 4.9 m
U(50): 20.01 m

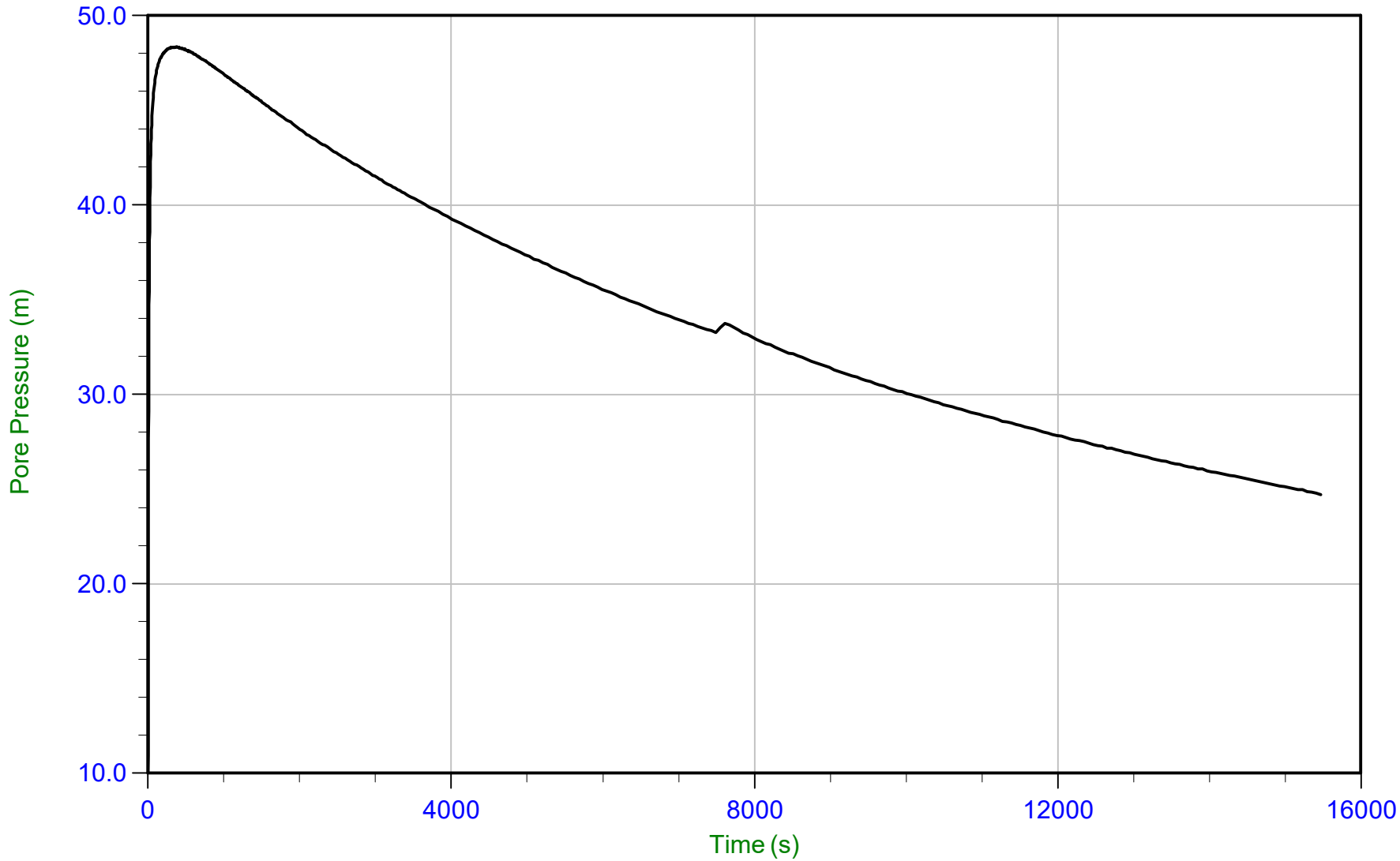
T(50): 12665.1 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/20/2022 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP16.PPF
Depth: 10.000 m / 32.808 ft
Duration: 15479.6 s

u Min: 2.4 m
u Max: 48.4 m
u Final: 24.7 m

WT: 0.083 m / 0.272 ft
Ueq: 9.9 m
U(50): 29.14 m

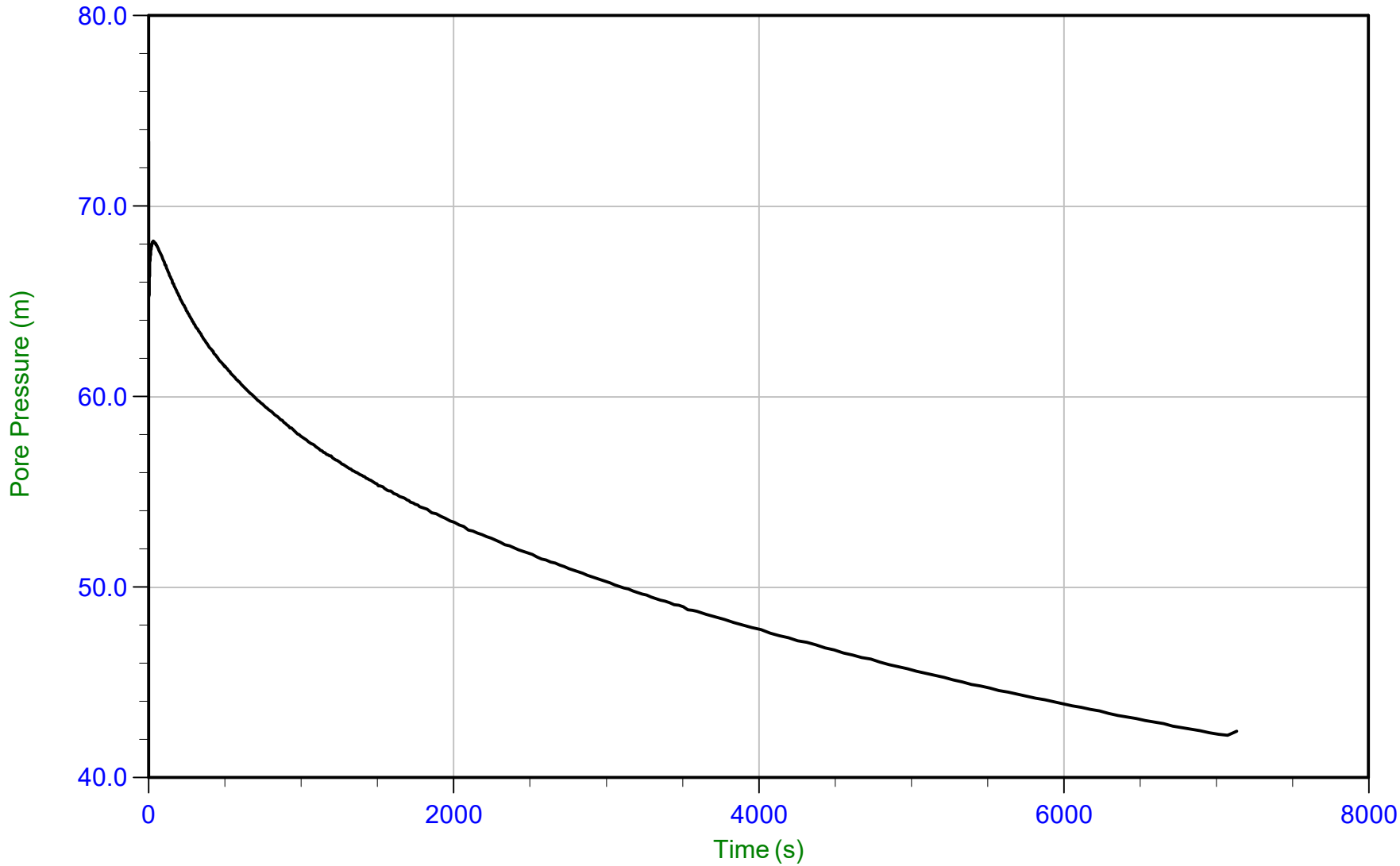
T(50): 10408.5 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/20/2022 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP16.PPF
Depth: 14.975 m / 49.130 ft
Duration: 7139.8 s

u Min: 42.2 m
u Max: 73.4 m
u Final: 42.4 m

WT: 0.083 m / 0.272 ft
Ueq: 14.9 m
U(50): 44.15 m

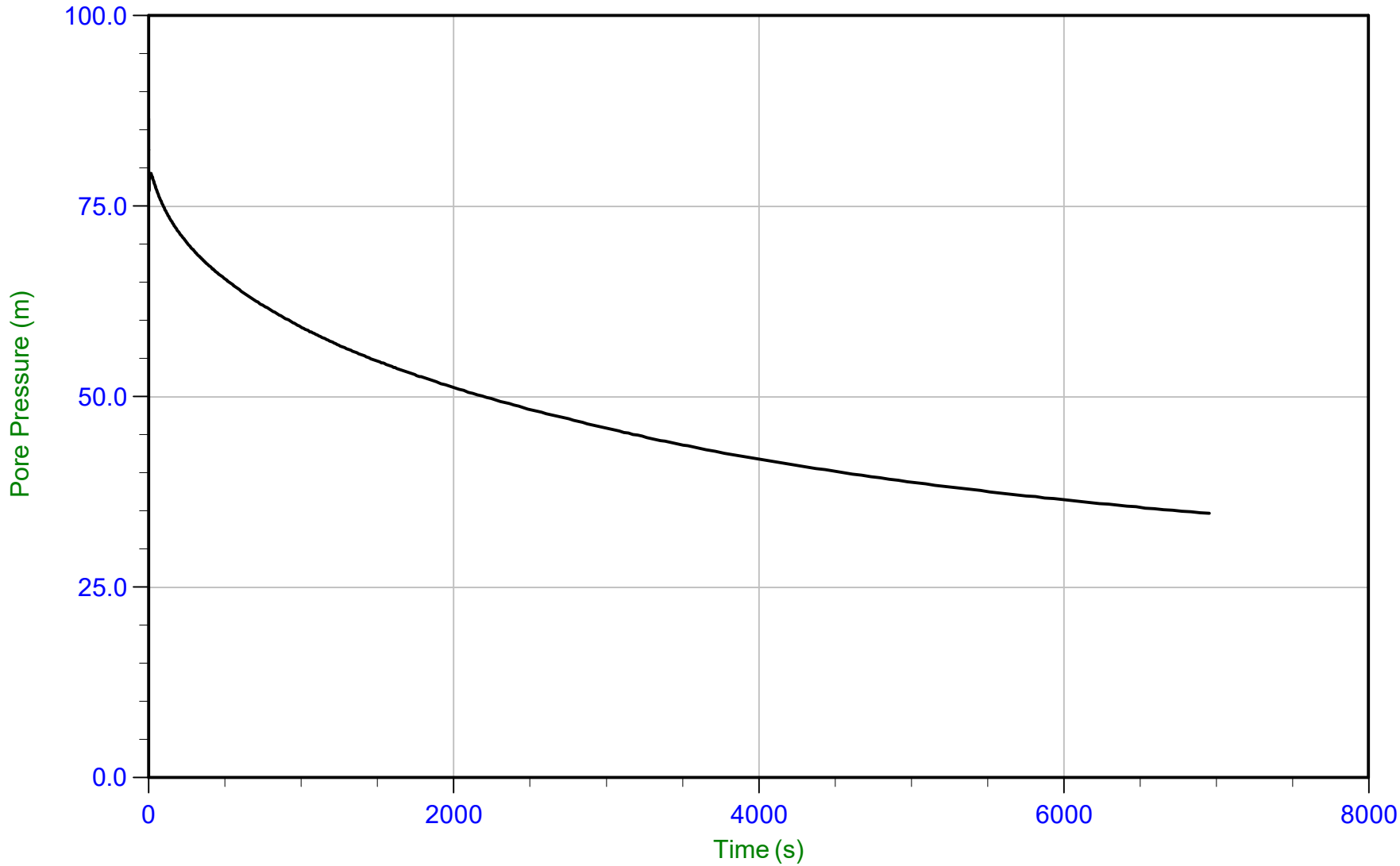
T(50): 5830.8 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/20/2022 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP16.PPF
Depth: 20.025 m / 65.698 ft
Duration: 6959.8 s

u Min: 34.7 m
u Max: 86.5 m
u Final: 34.7 m

WT: 0.083 m / 0.272 ft
Ueq: 19.9 m
U(50): 53.24 m

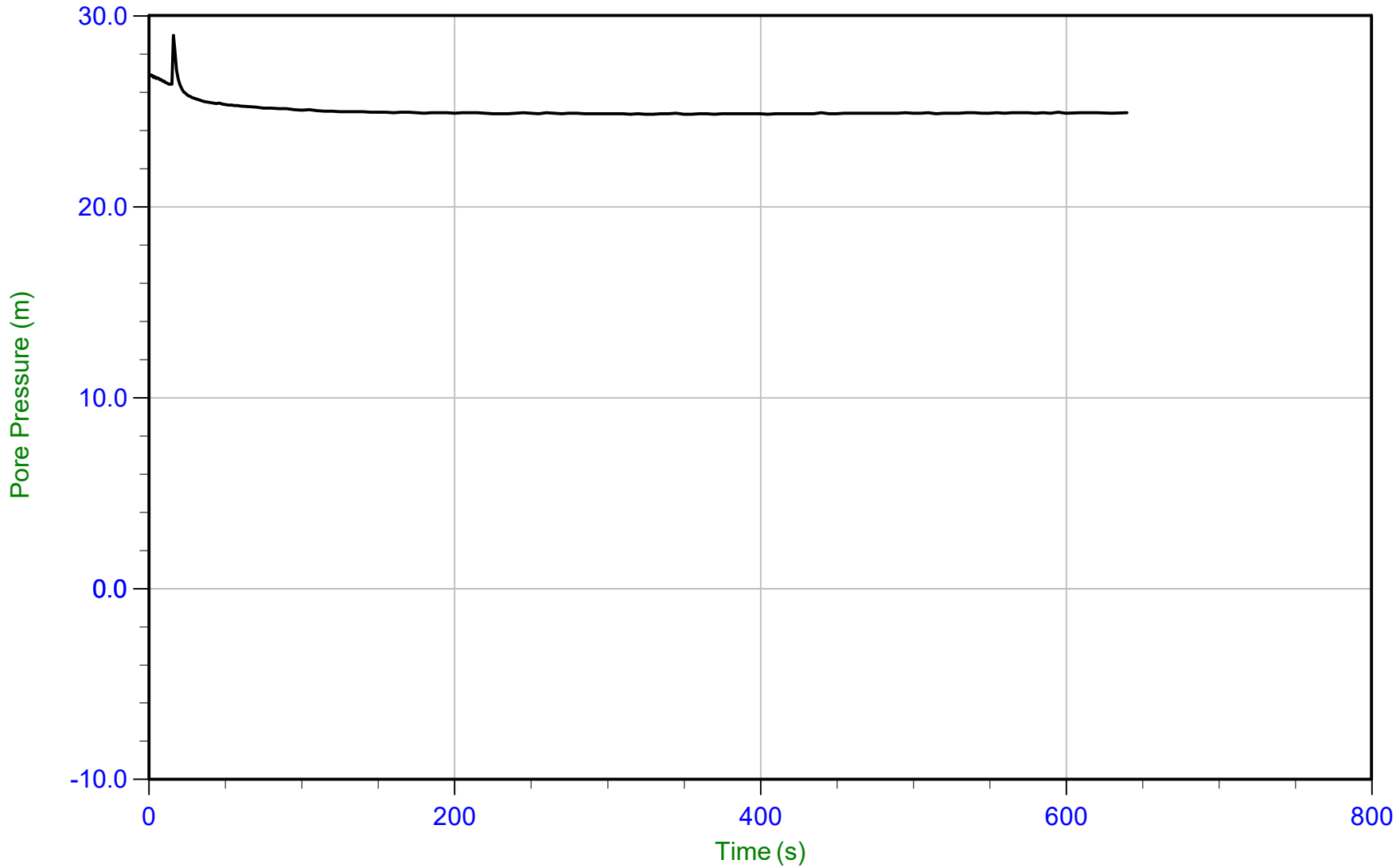
T(50): 1694.6 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/20/2022 11:08
Site: Crawford Mine

Sounding: SRK-OP-CPT-16
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SP16.PPF
Depth: 24.925 m / 81.774 ft
Duration: 640.0 s

u Min: 24.8 m
u Max: 29.0 m
u Final: 24.9 m

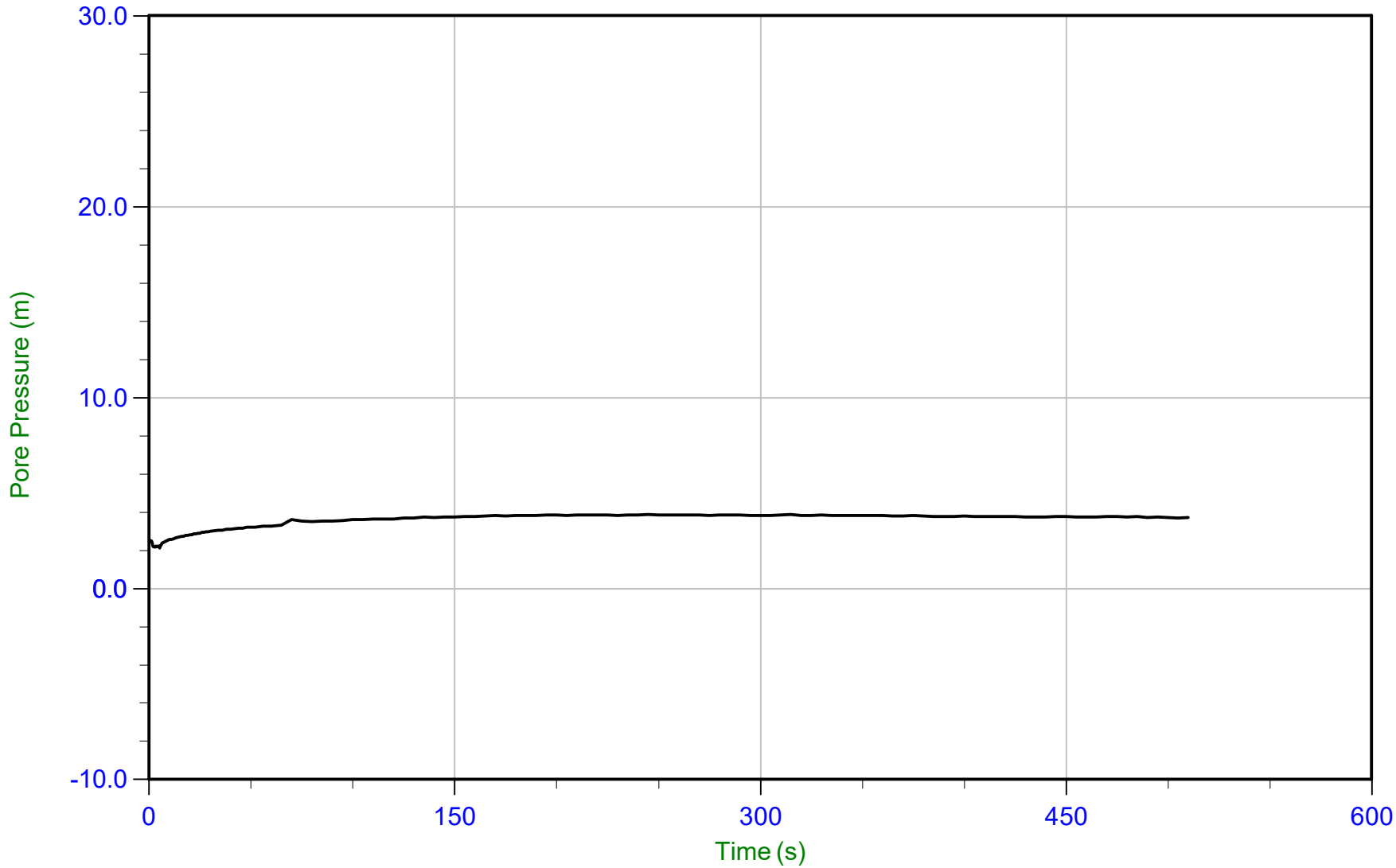
WT: 0.083 m / 0.272 ft
Ueq: 24.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 1.600 m / 5.249 ft
Duration: 510.0 s

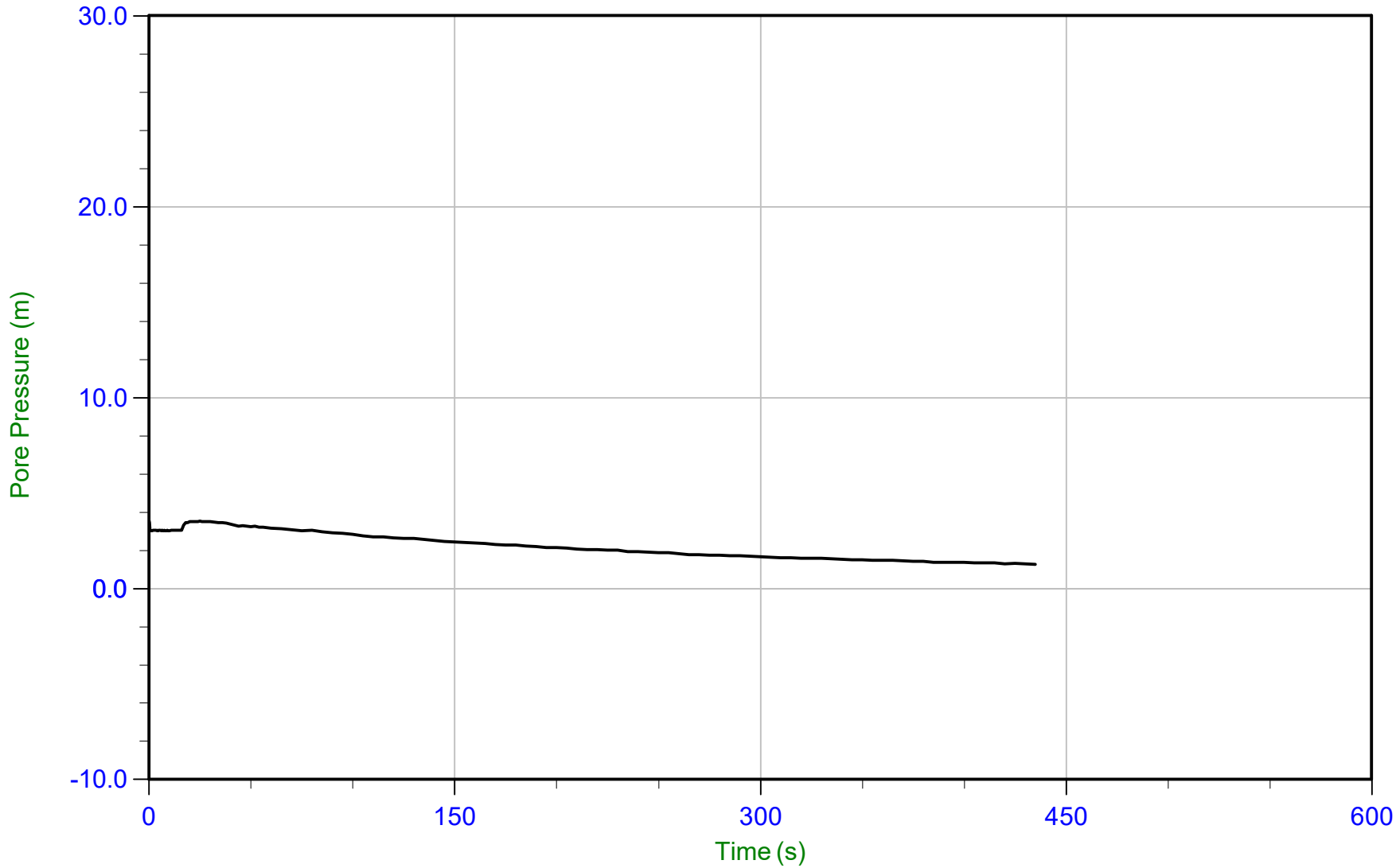
u Min: 2.1 m
u Max: 3.9 m
u Final: 3.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 2.600 m / 8.530 ft
Duration: 435.0 s

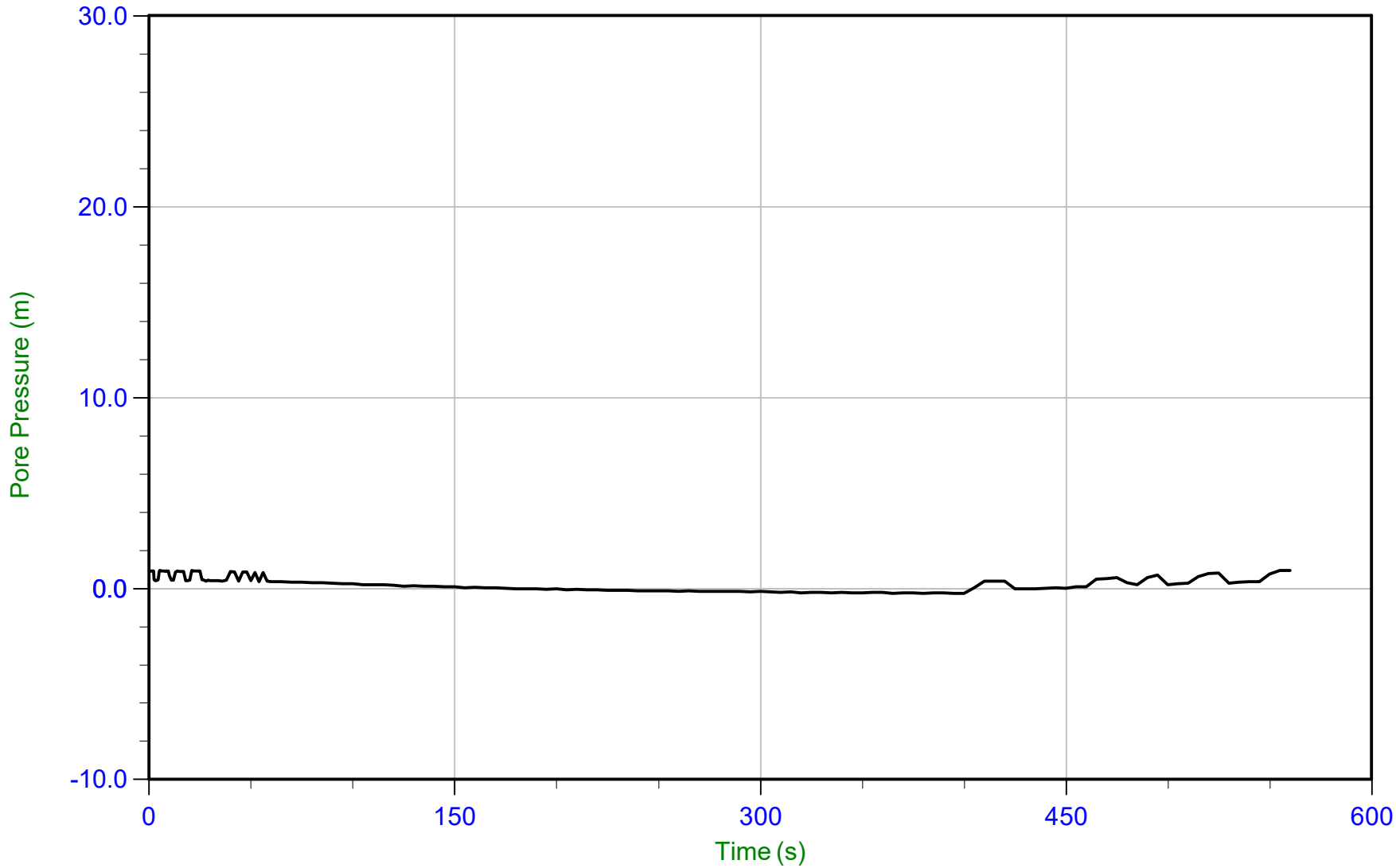
u Min: 1.3 m
u Max: 3.5 m
u Final: 1.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 4.650 m / 15.256 ft
Duration: 560.0 s

u Min: -0.2 m
u Max: 0.9 m
u Final: 0.9 m

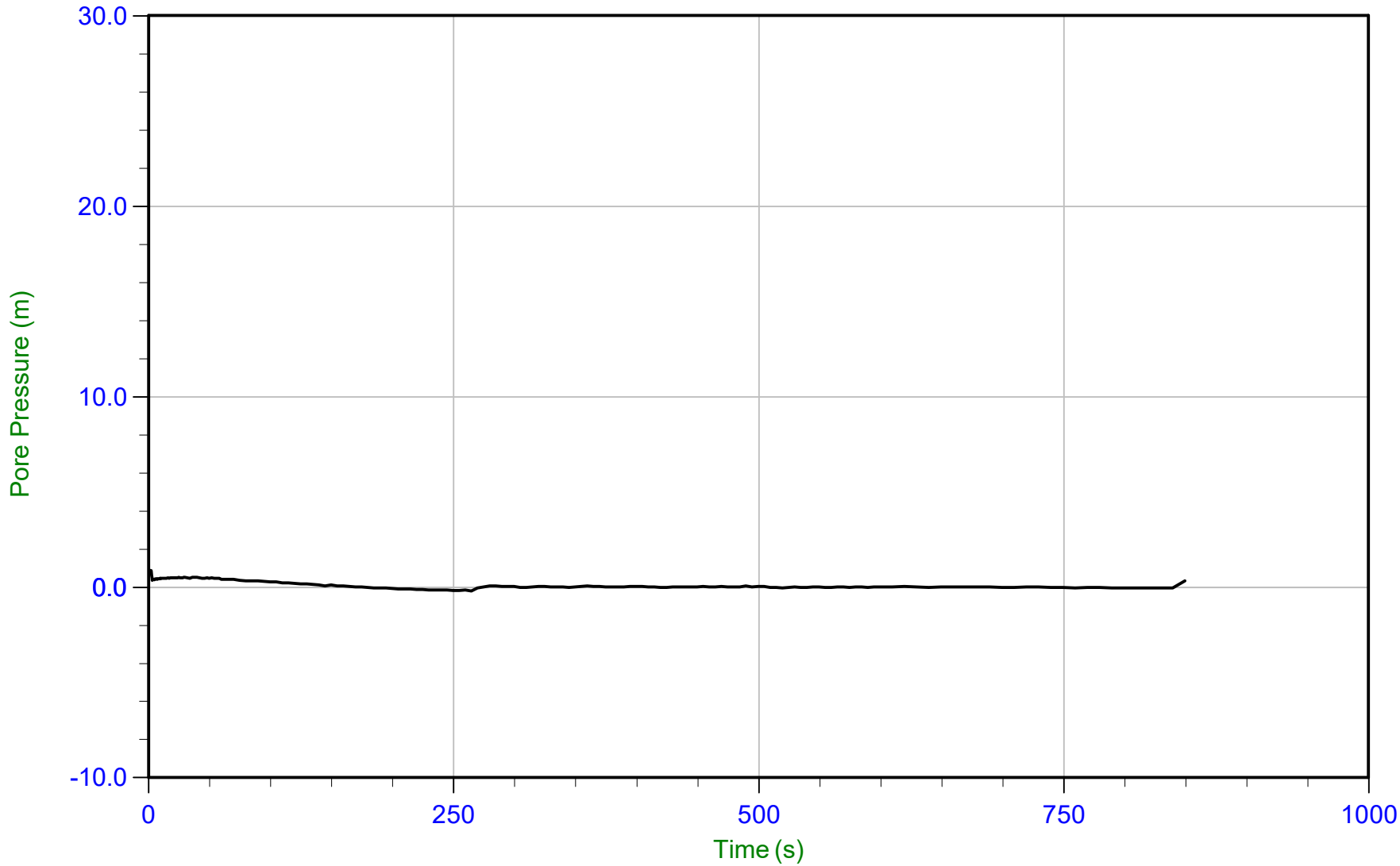
WT: 4.650 m / 15.256 ft
Ueq: 0.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 5.600 m / 18.372 ft
Duration: 850.0 s

u Min: -0.2 m
u Max: 0.9 m
u Final: 0.3 m

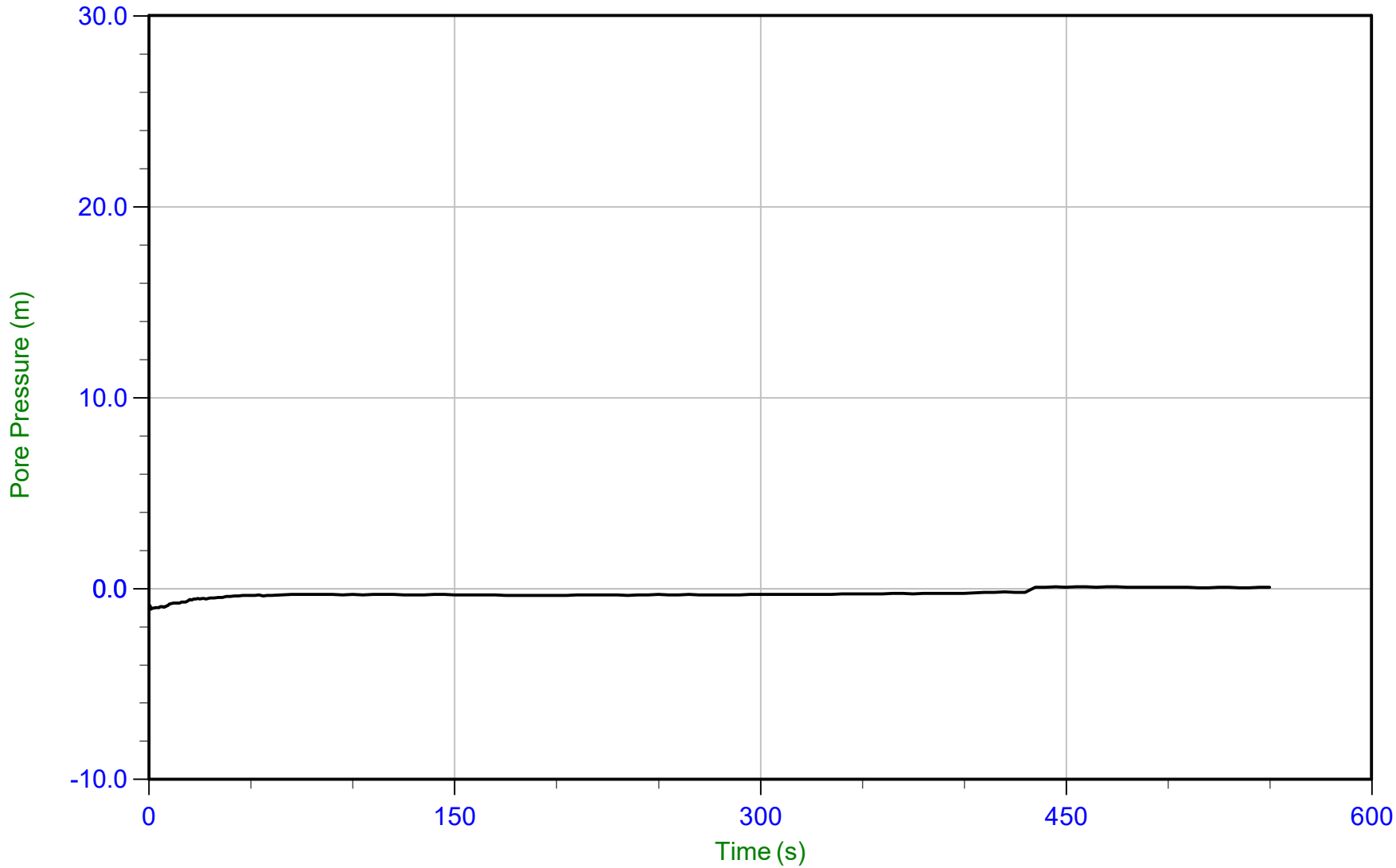
WT: 5.600 m / 18.372 ft
Ueq: 0.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 6.600 m / 21.653 ft
Duration: 550.0 s

u Min: -1.1 m
u Max: 0.1 m
u Final: 0.1 m

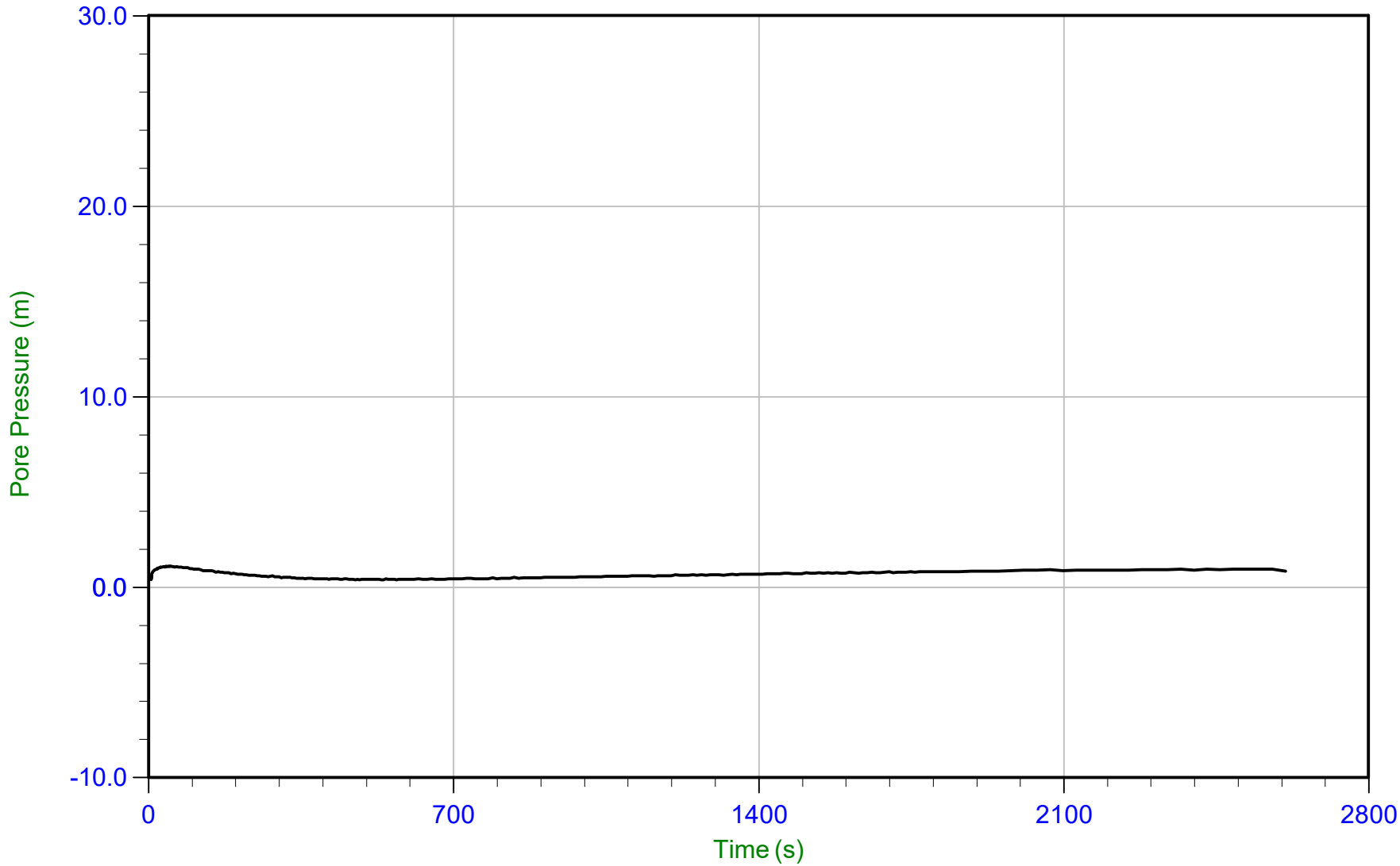
WT: 6.495 m / 21.309 ft
Ueq: 0.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 7.600 m / 24.934 ft
Duration: 2610.0 s

u Min: 0.4 m
u Max: 1.1 m
u Final: 0.8 m

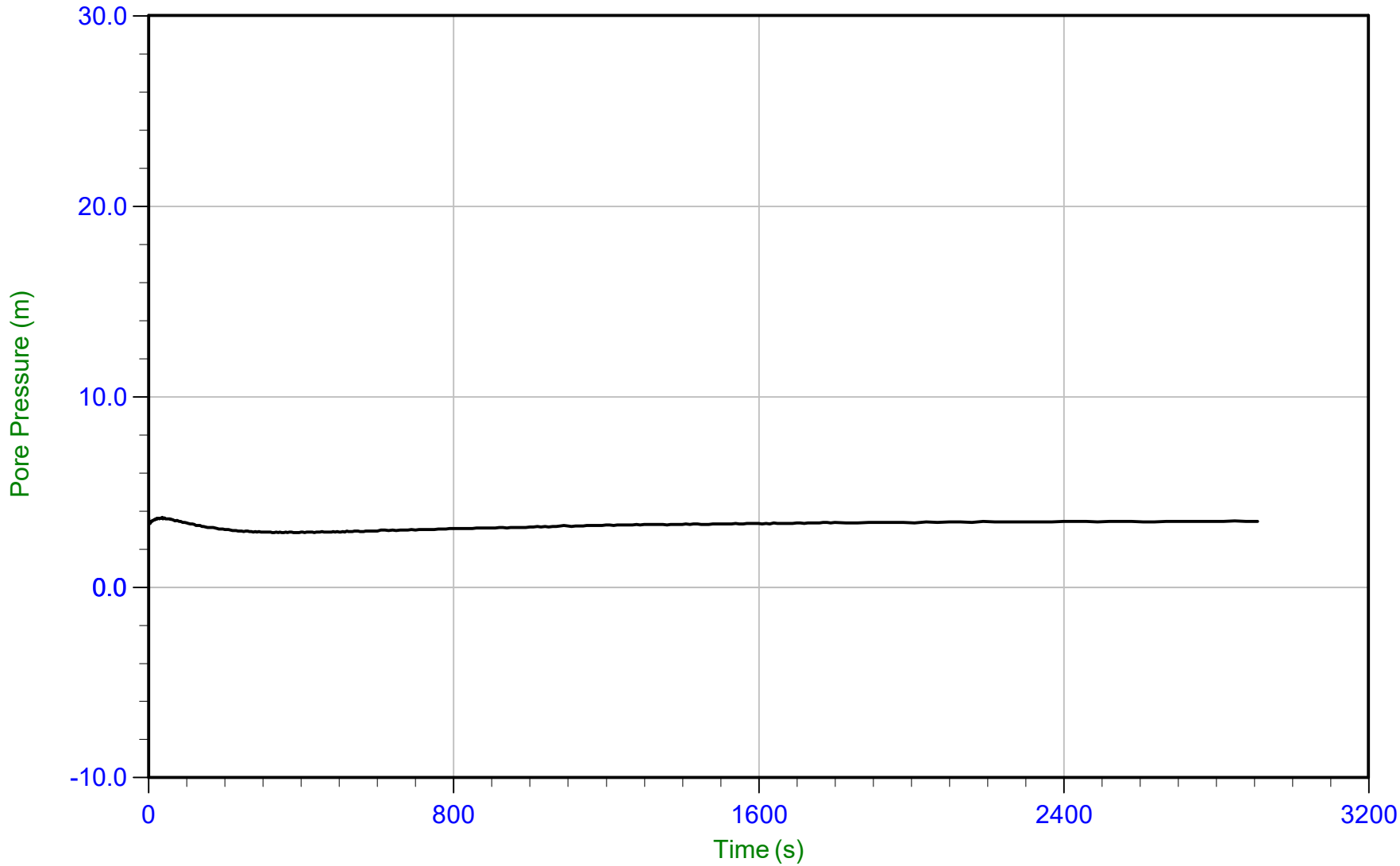
WT: 6.547 m / 21.479 ft
Ueq: 1.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 10.000 m / 32.808 ft
Duration: 2909.9 s

u Min: 2.9 m
u Max: 3.7 m
u Final: 3.5 m

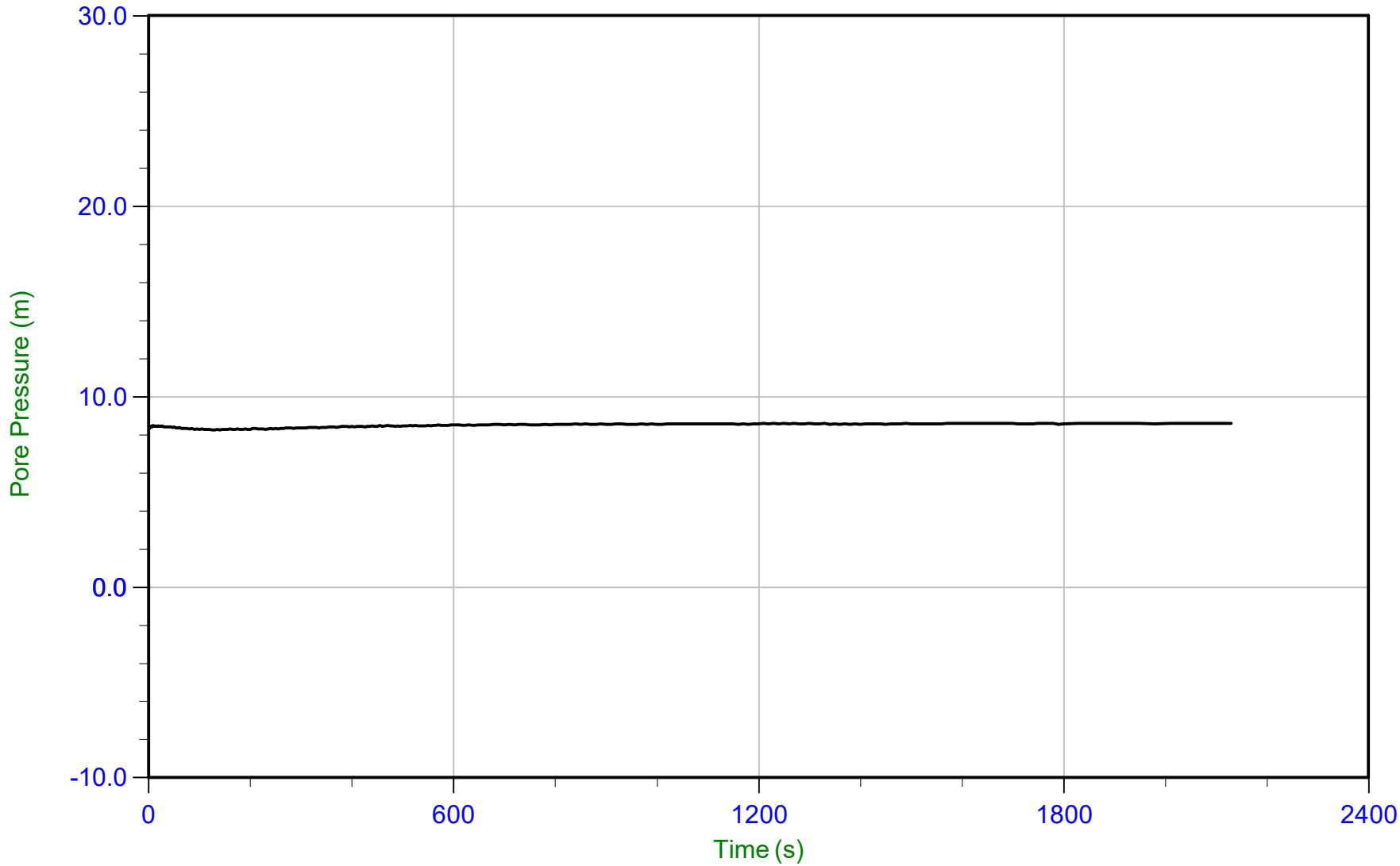
WT: 6.526 m / 21.411 ft
Ueq: 3.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 15.000 m / 49.212 ft
Duration: 2130.0 s

u Min: 8.2 m
u Max: 8.6 m
u Final: 8.6 m

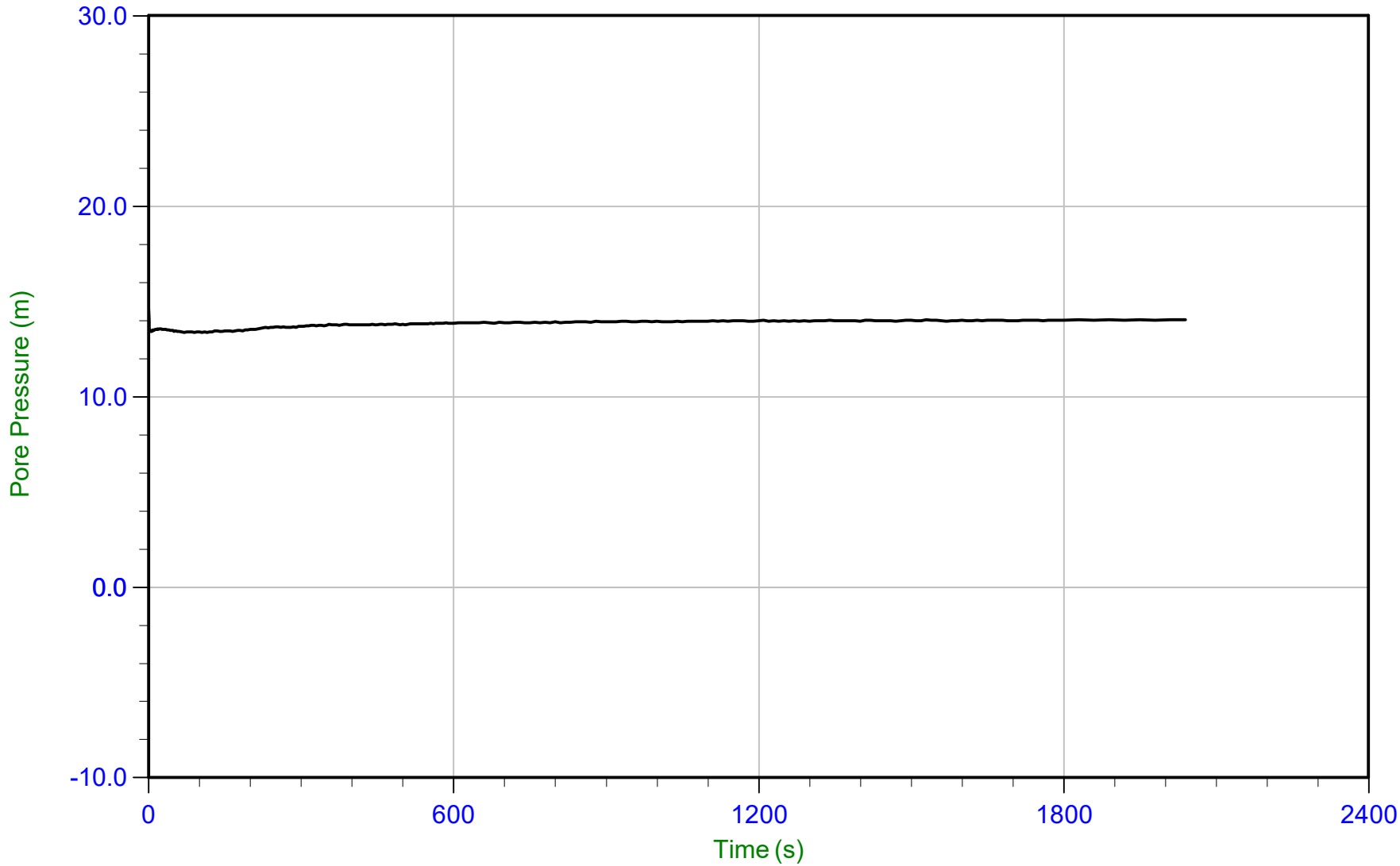
WT: 6.474 m / 21.240 ft
Ueq: 8.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 20.650 m / 67.749 ft
Duration: 2040.0 s

u Min: 13.4 m
u Max: 14.6 m
u Final: 14.0 m

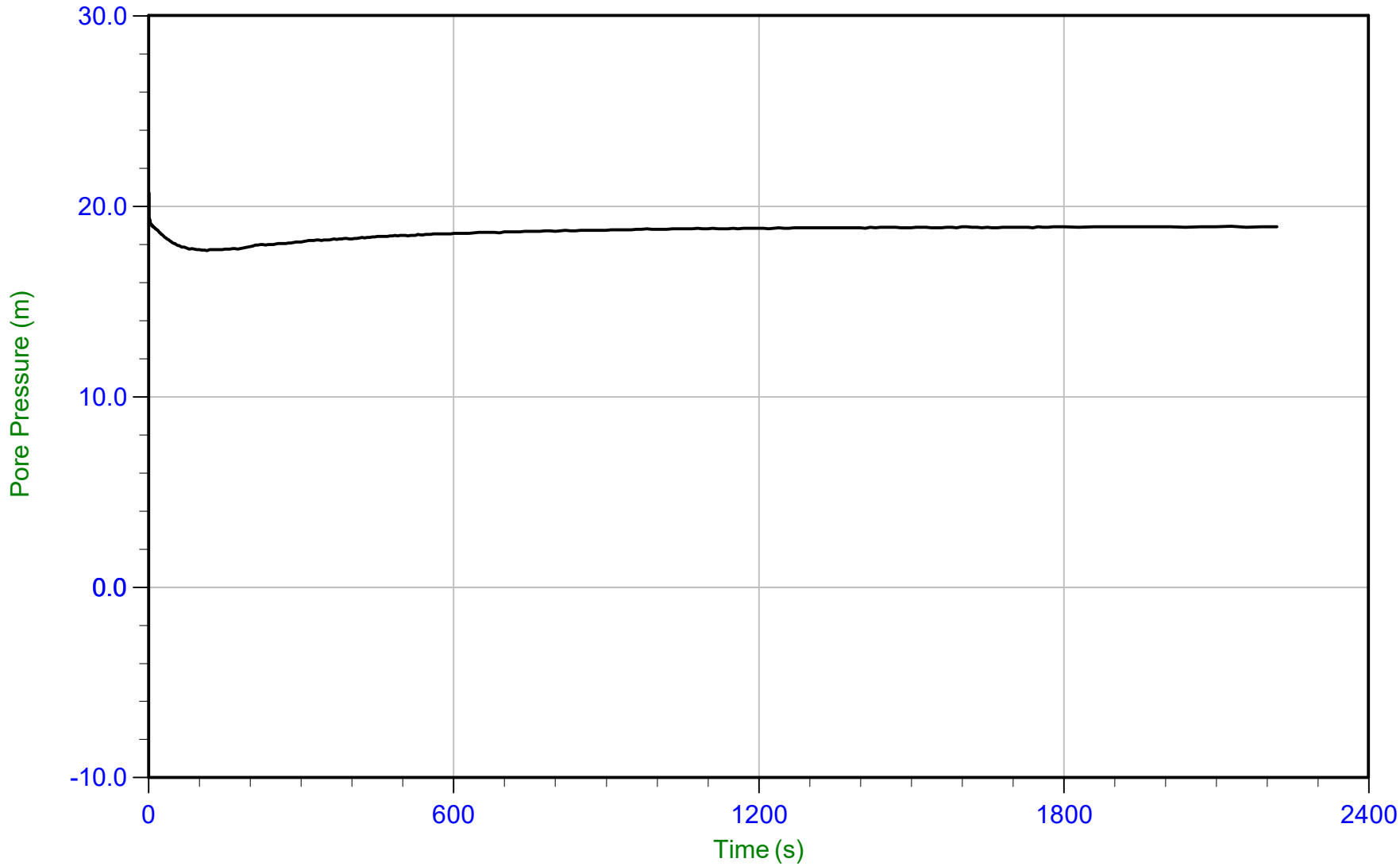
WT: 6.545 m / 21.473 ft
Ueq: 14.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/12/2021 05:41
Site: Crawford Mine

Sounding: SRK-PF-CPT-01
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF01.PPF
Depth: 25.625 m / 84.071 ft
Duration: 2220.0 s

u Min: 17.7 m
u Max: 20.8 m
u Final: 18.9 m

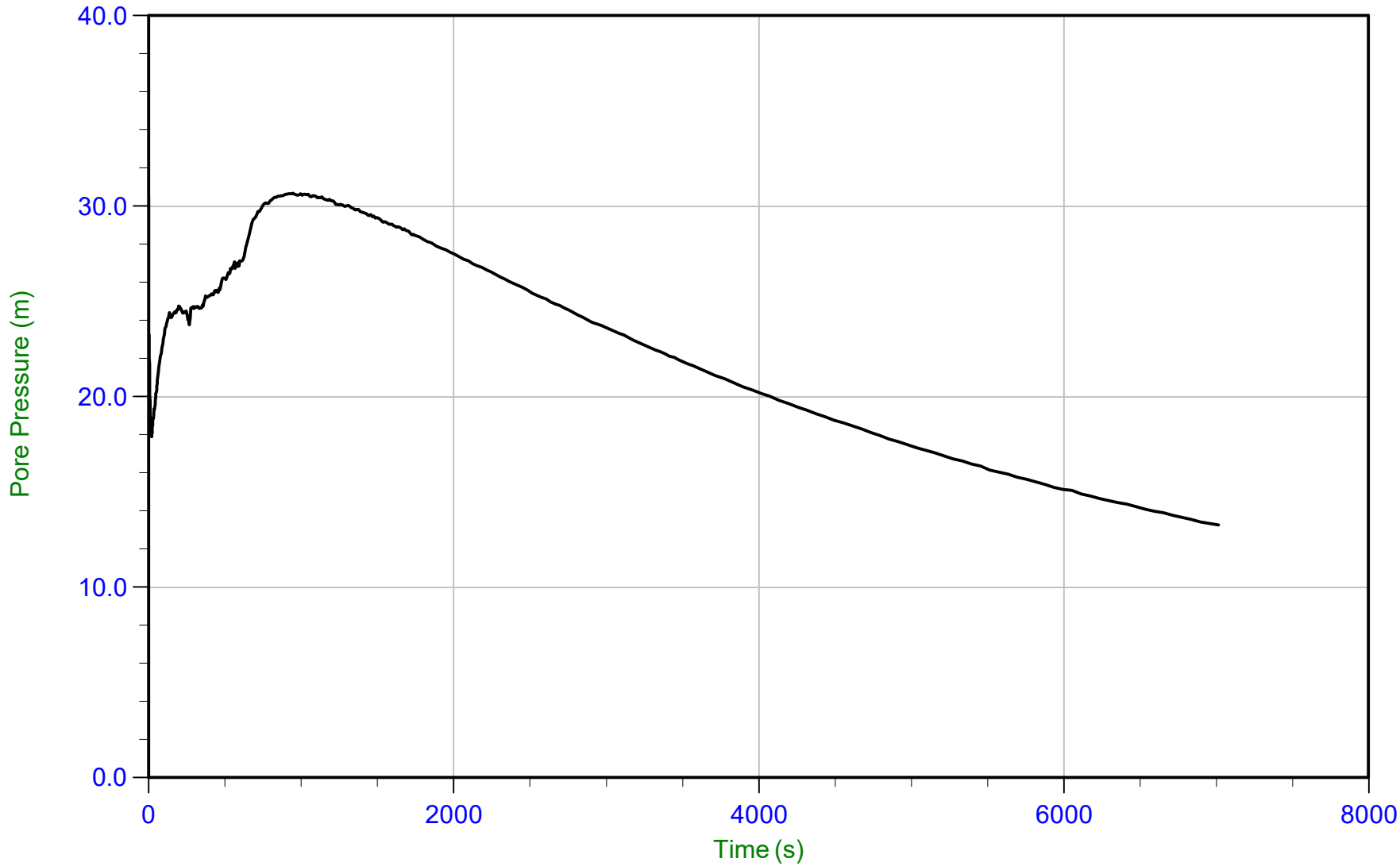
WT: 6.572 m / 21.561 ft
Ueq: 19.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/15/2021 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF02.PPF
Depth: 2.400 m / 7.874 ft
Duration: 7019.1 s

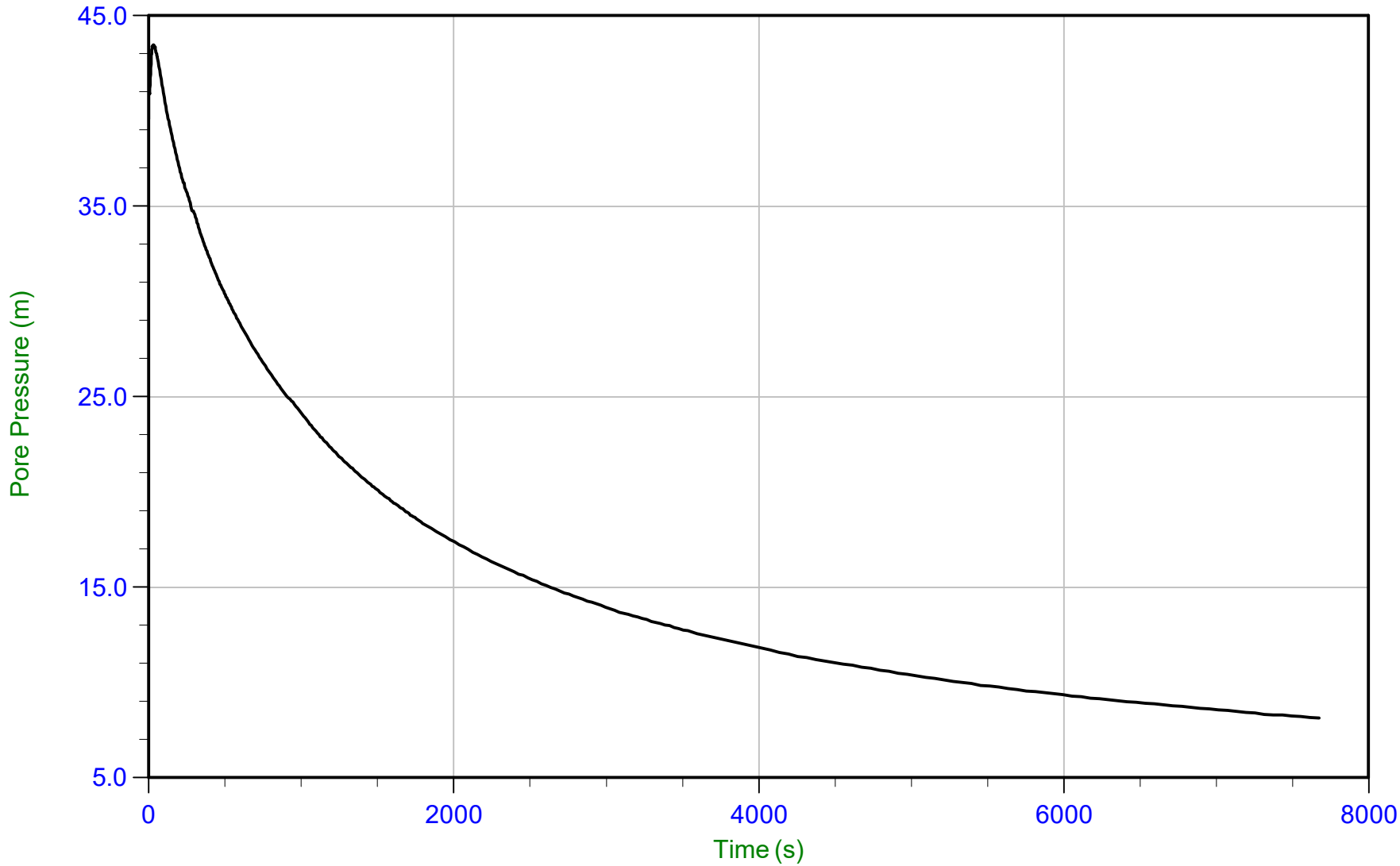
u Min: 13.3 m
u Max: 30.7 m
u Final: 13.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/15/2021 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF02.PPF
Depth: 5.500 m / 18.044 ft
Duration: 7679.0 s

u Min: 8.1 m
u Max: 43.5 m
u Final: 8.1 m

WT: 3.289 m / 10.791 ft
Ueq: 2.2 m
U(50): 22.84 m

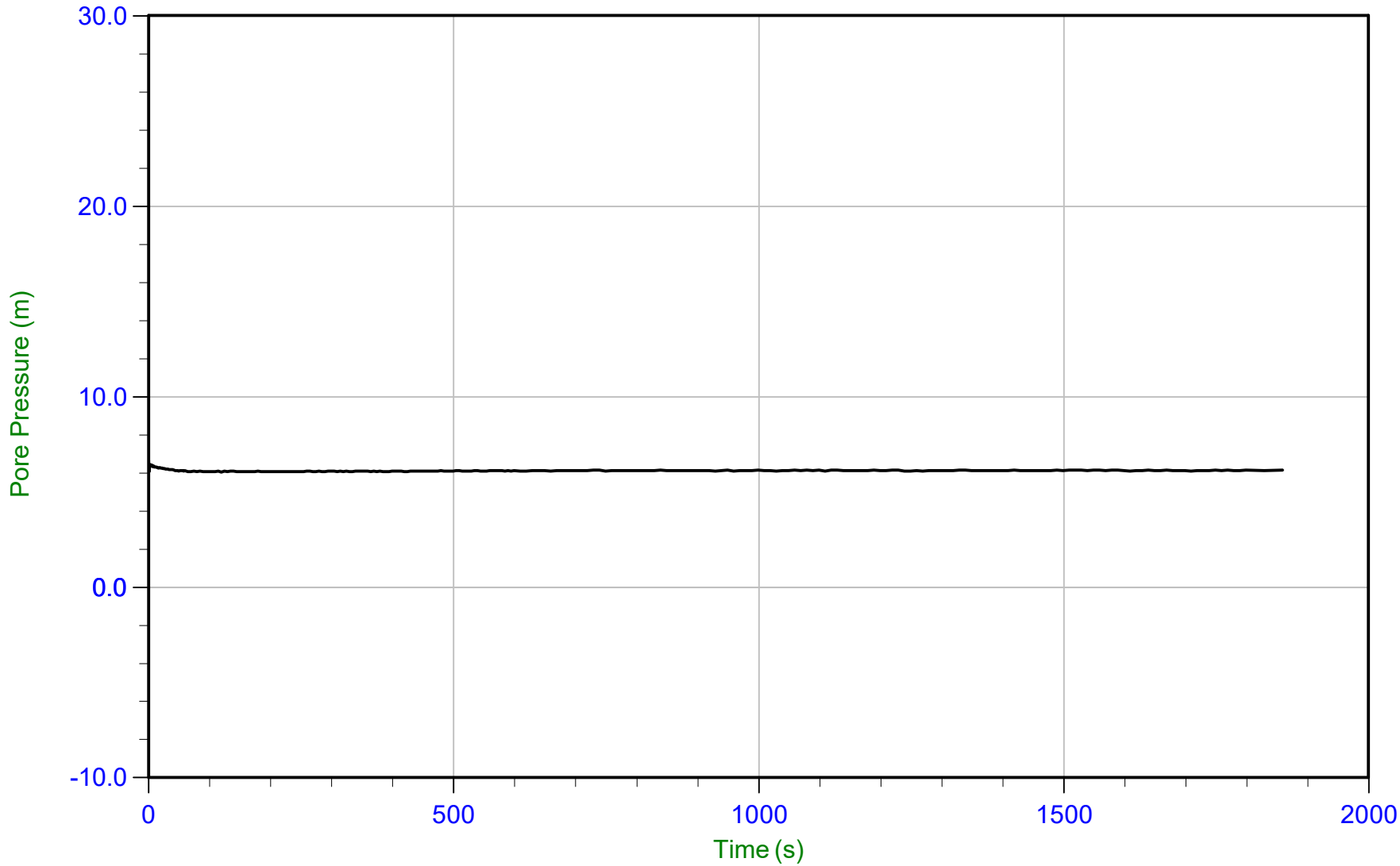
T(50): 1106.1 s
Ir: 100
Ch: 0.6 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/15/2021 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF02.PPF
Depth: 9.500 m / 31.168 ft
Duration: 1859.8 s

u Min: 6.0 m
u Max: 6.7 m
u Final: 6.1 m

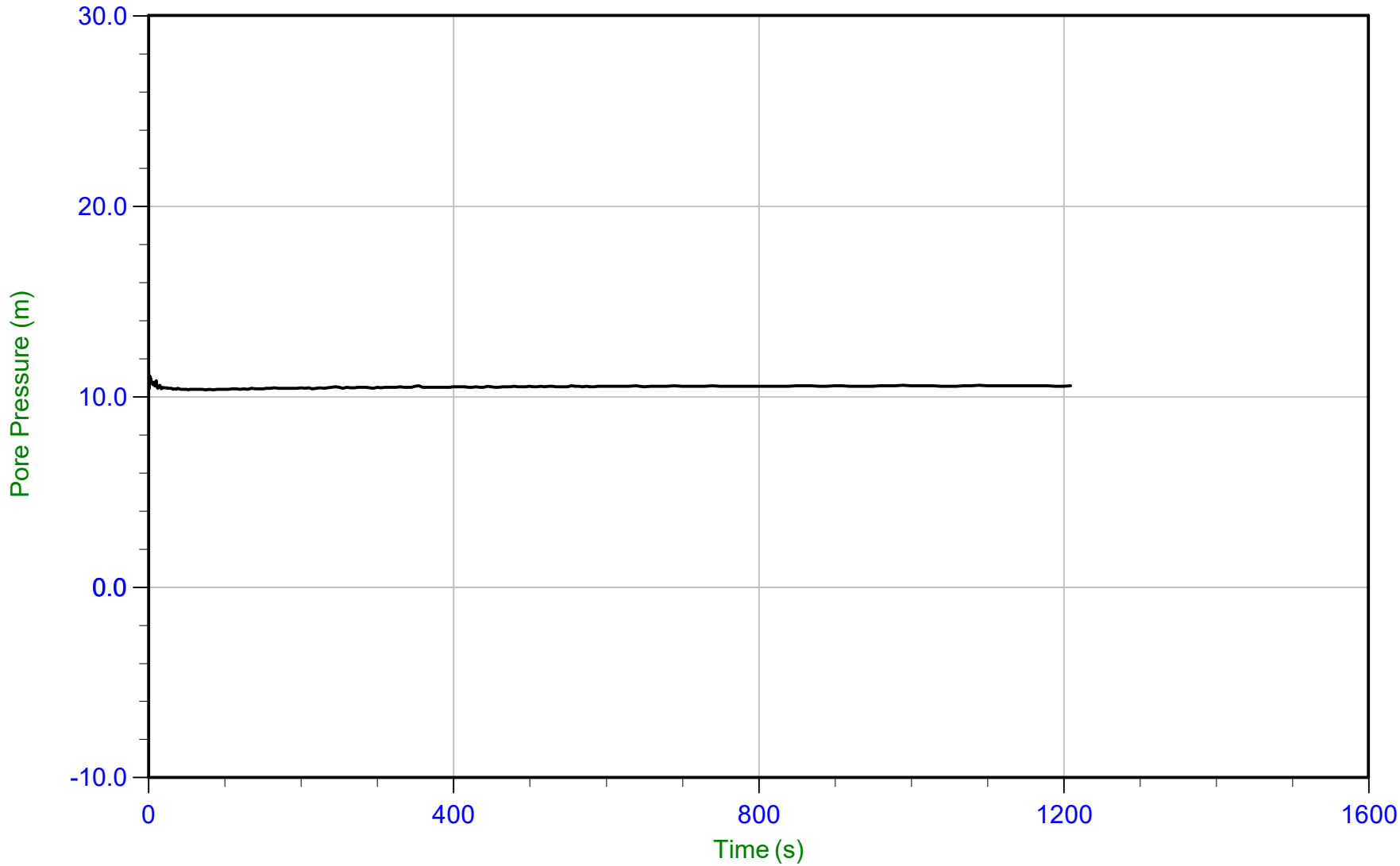
WT: 3.289 m / 10.791 ft
Ueq: 6.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/15/2021 05:12
Site: Crawford Mine

Sounding: SRK-PF-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF02.PPF
Depth: 14.000 m / 45.931 ft
Duration: 1209.8 s

u Min: 10.4 m
u Max: 11.4 m
u Final: 10.6 m

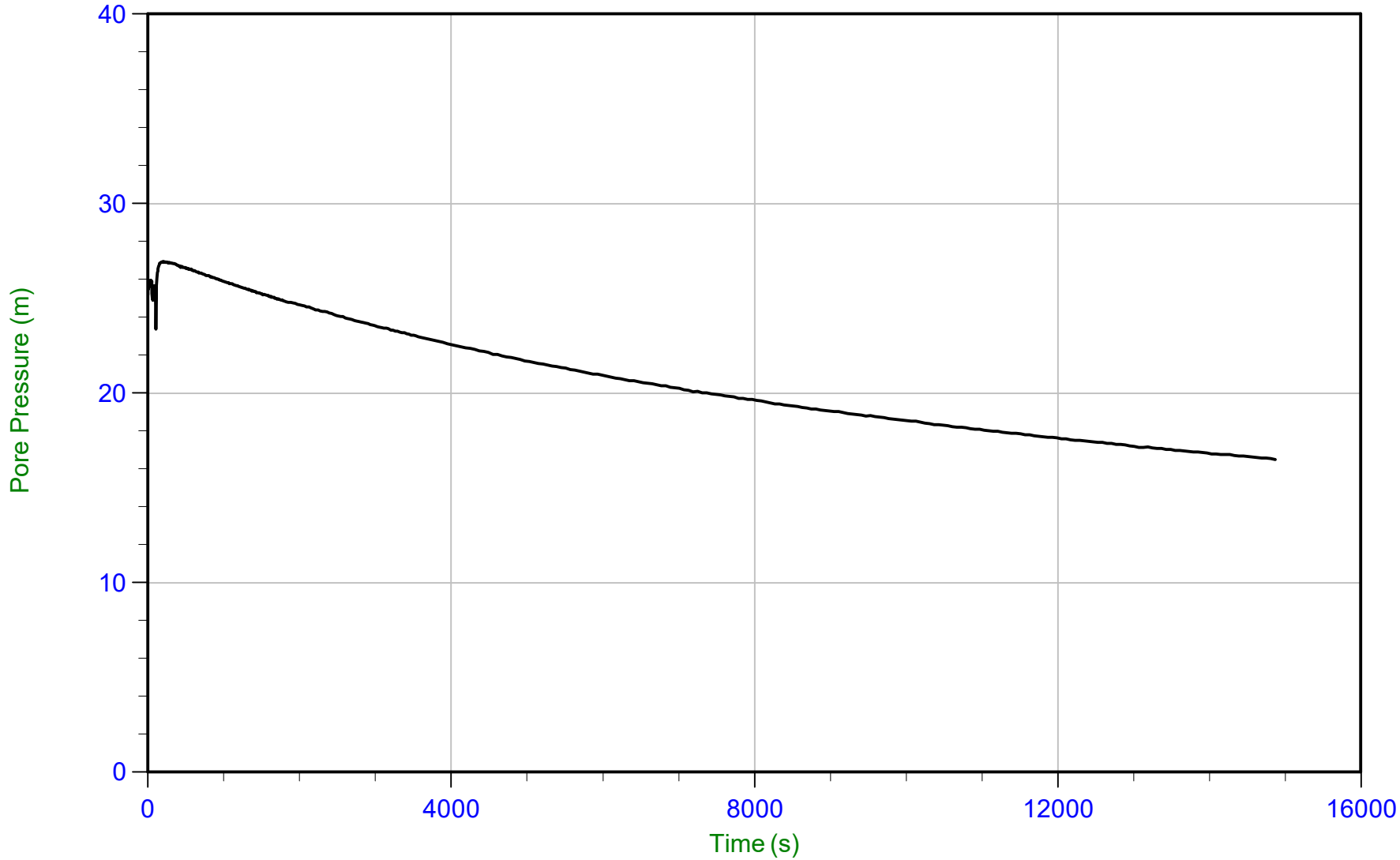
WT: 3.263 m / 10.705 ft
Ueq: 10.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 5.000 m / 16.404 ft
Duration: 14879.6 s

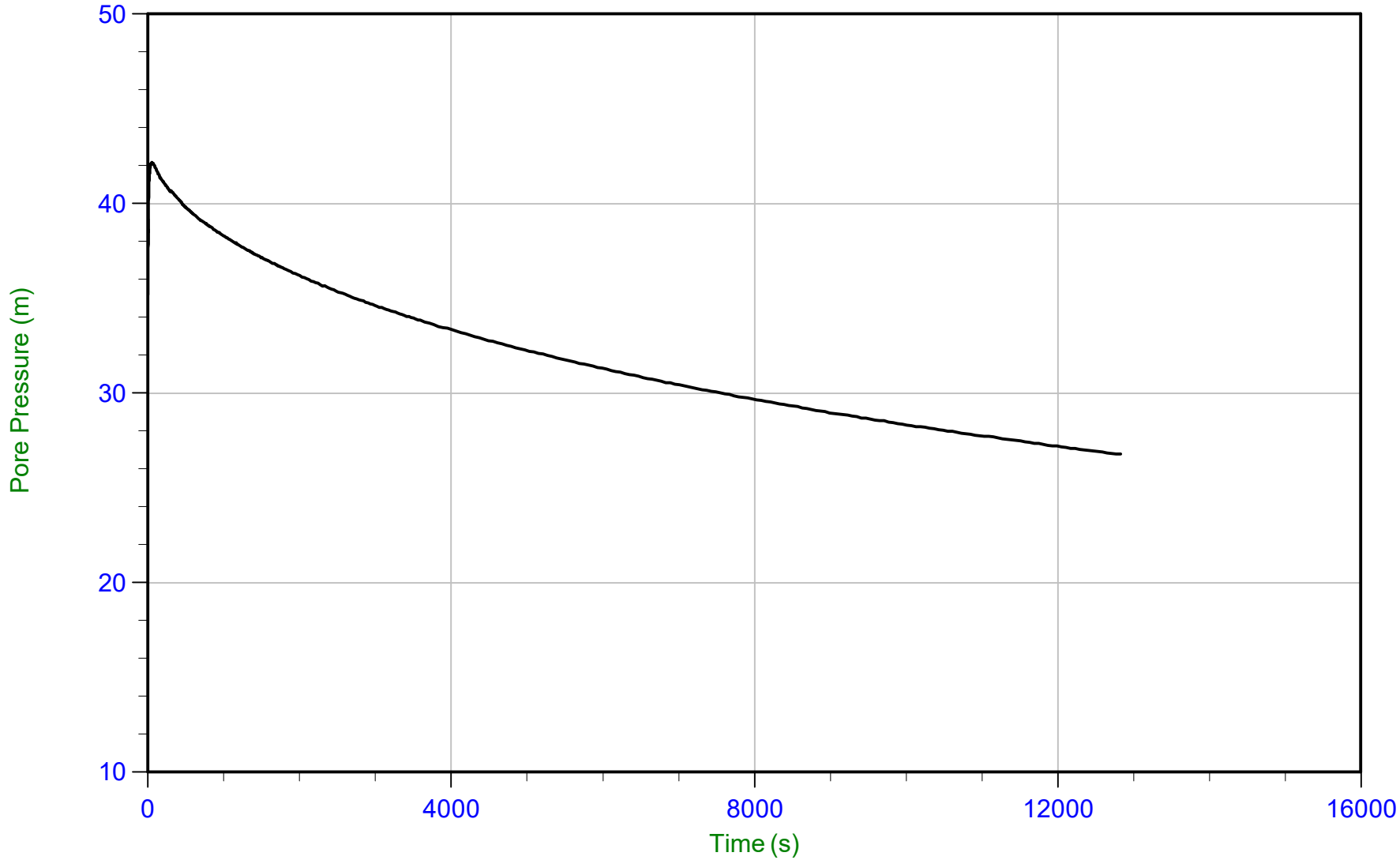
u Min: 16.5 m
u Max: 27.0 m
u Final: 16.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 10.000 m / 32.808 ft
Duration: 12839.7 s

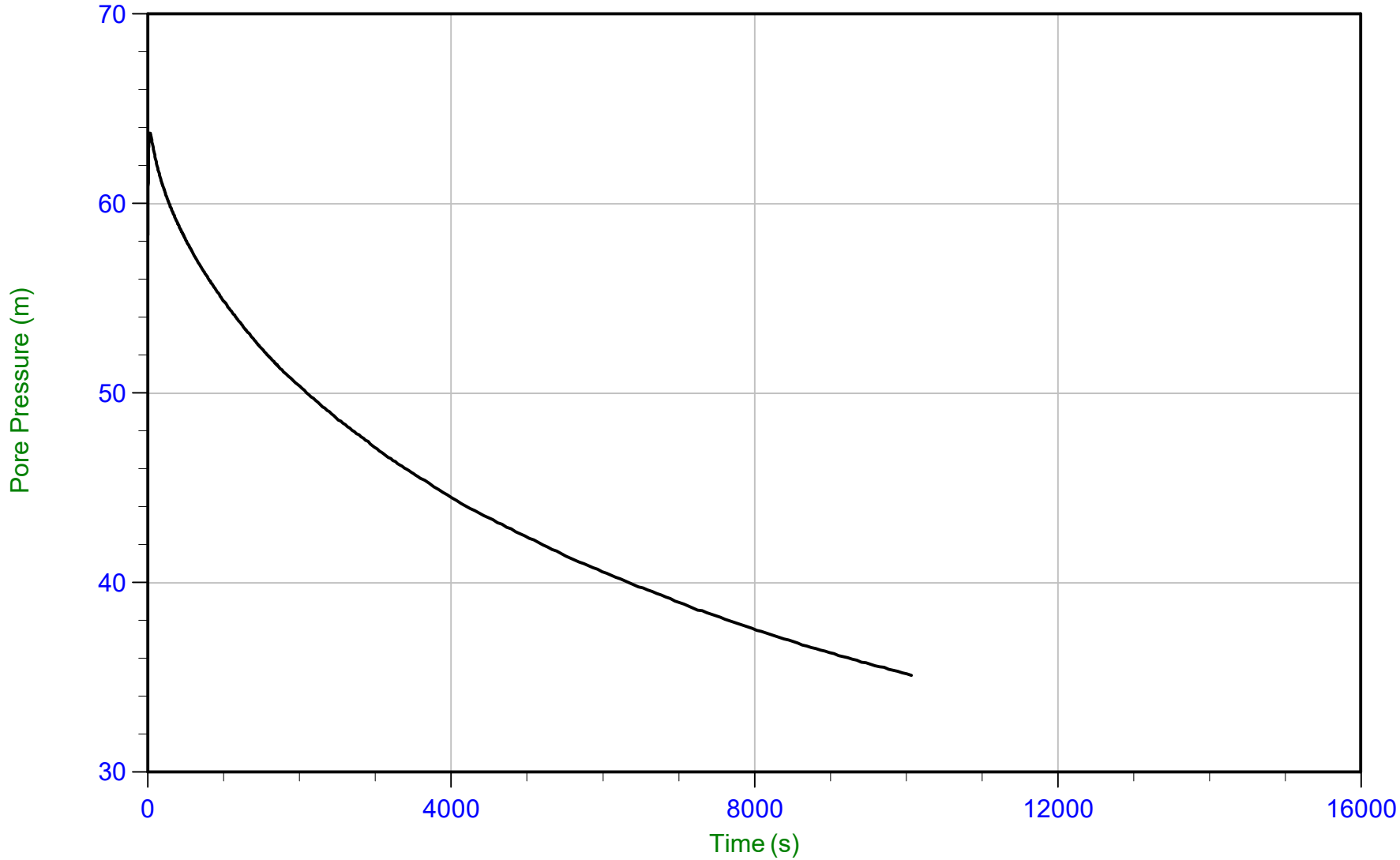
u Min: 26.8 m
u Max: 42.2 m
u Final: 26.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 15.000 m / 49.212 ft
Duration: 10079.7 s

u Min: 35.1 m
u Max: 63.7 m
u Final: 35.1 m

WT: -0.111 m / -0.364 ft
Ueq: 15.1 m
U(50): 39.42 m

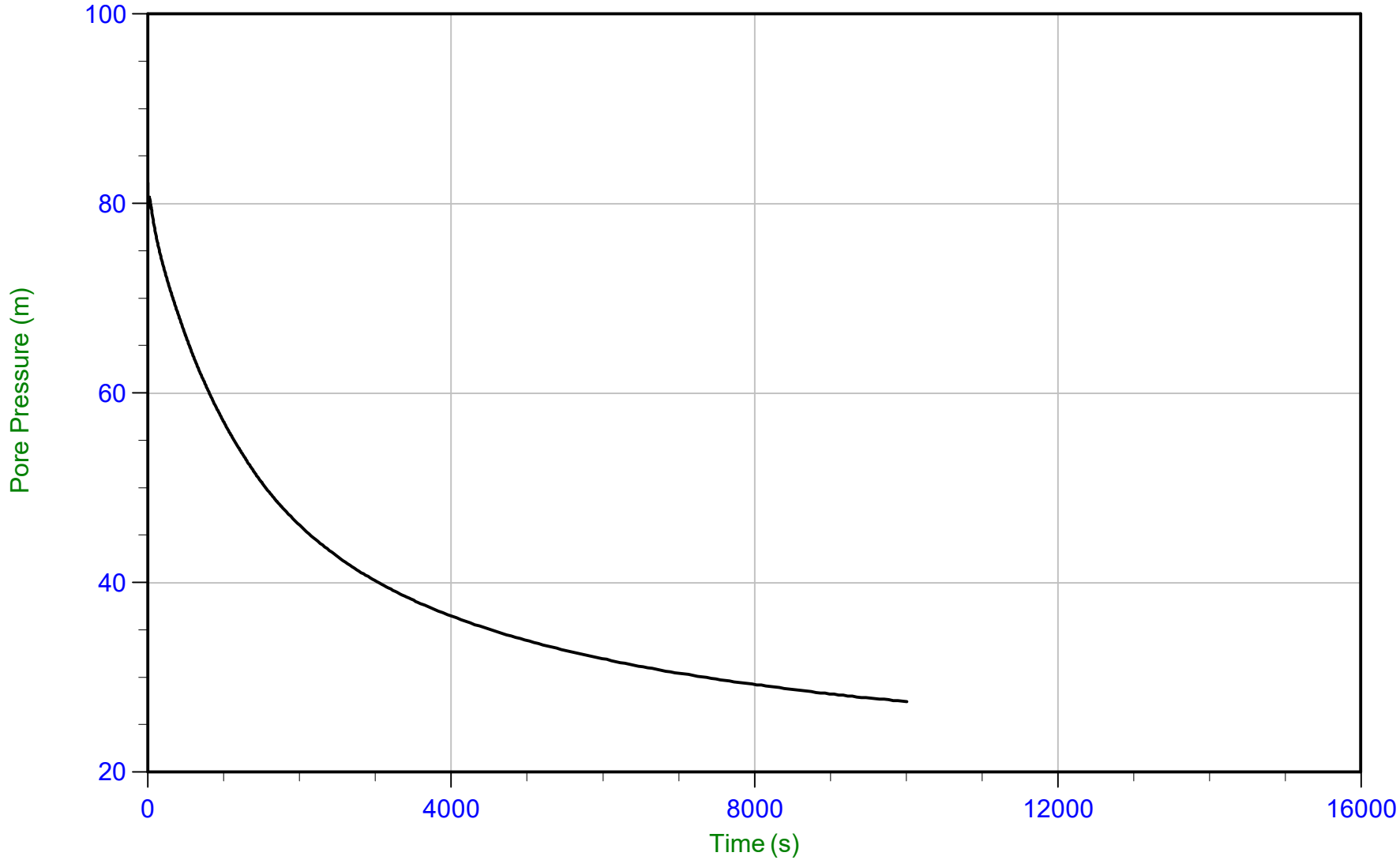
T(50): 6699.8 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 20.000 m / 65.616 ft
Duration: 10019.7 s

u Min: 27.4 m
u Max: 82.2 m
u Final: 27.4 m

WT: -0.111 m / -0.364 ft
Ueq: 20.1 m
U(50): 51.17 m

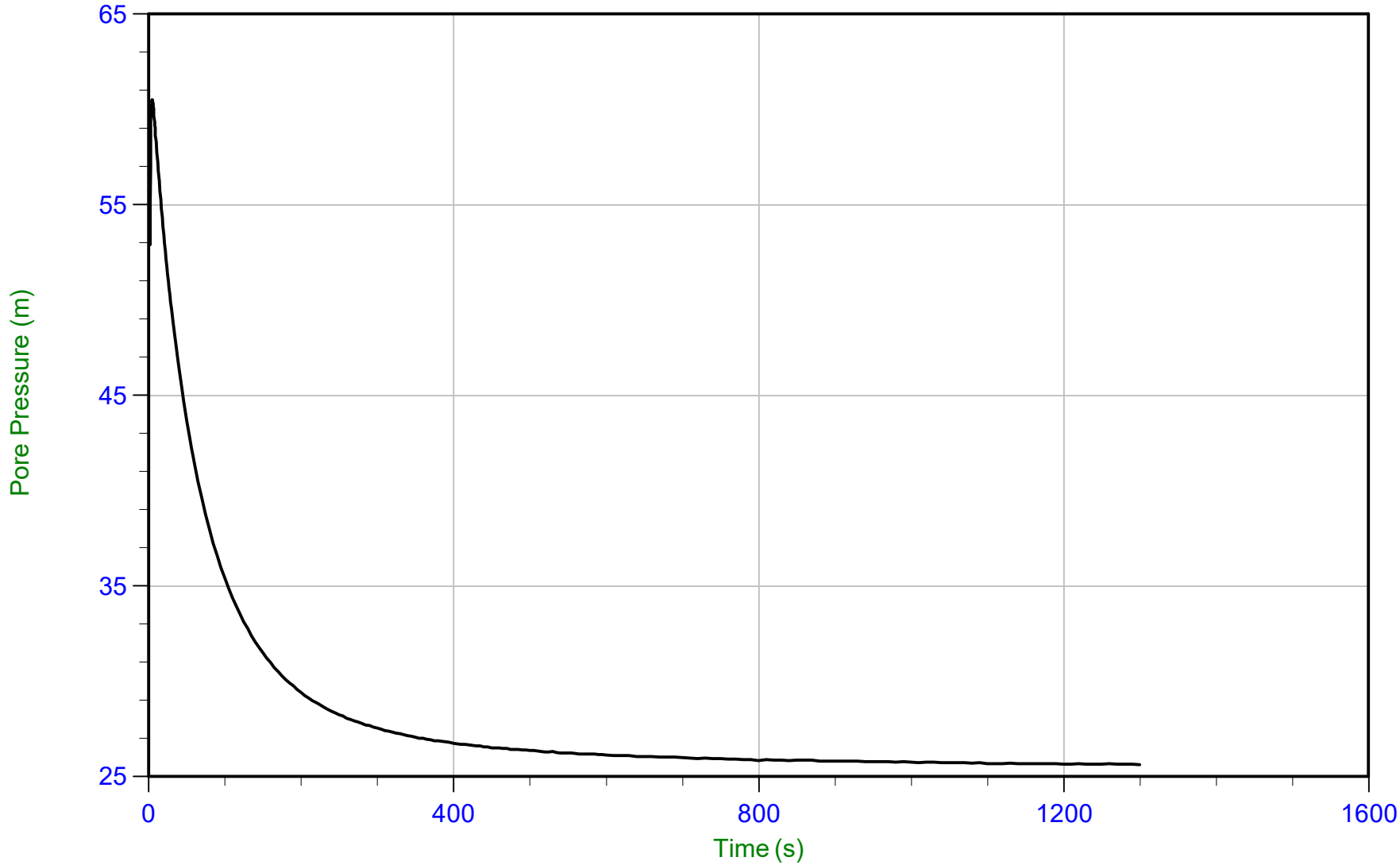
T(50): 1451.7 s
Ir: 100
Ch: 0.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 25.000 m / 82.020 ft
Duration: 1300.0 s

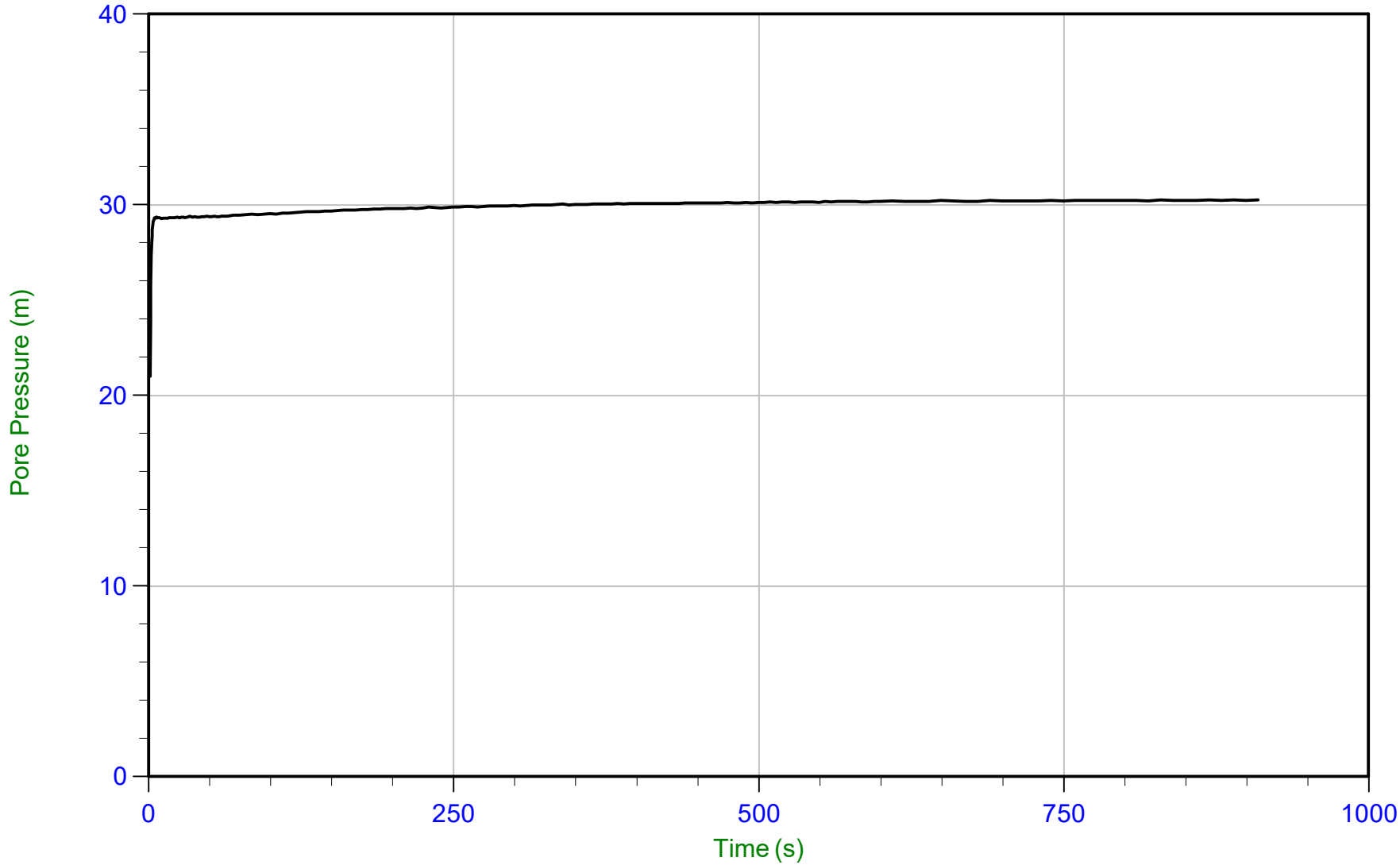
u Min: 25.6 m
u Max: 60.5 m
u Final: 25.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 30.100 m / 98.752 ft
Duration: 910.0 s

u Min: 21.0 m
u Max: 30.3 m
u Final: 30.2 m

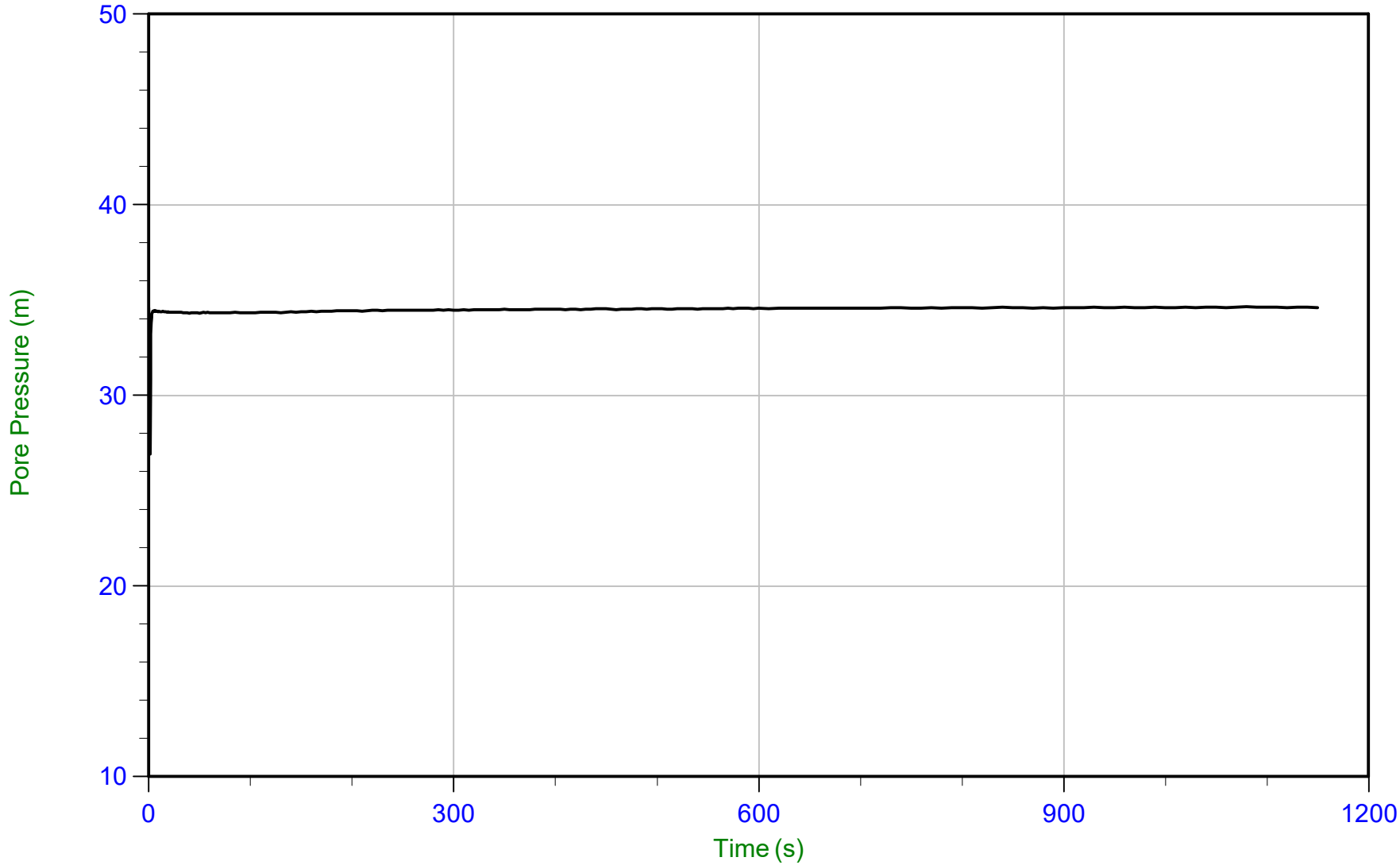
WT: -0.111 m / -0.364 ft
Ueq: 30.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/04/2022 08:19
Site: Crawford Mine

Sounding: SRK-PF-CPT-03
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF03.PPF
Depth: 34.625 m / 113.598 ft
Duration: 1150.0 s

u Min: 26.9 m
u Max: 34.6 m
u Final: 34.6 m

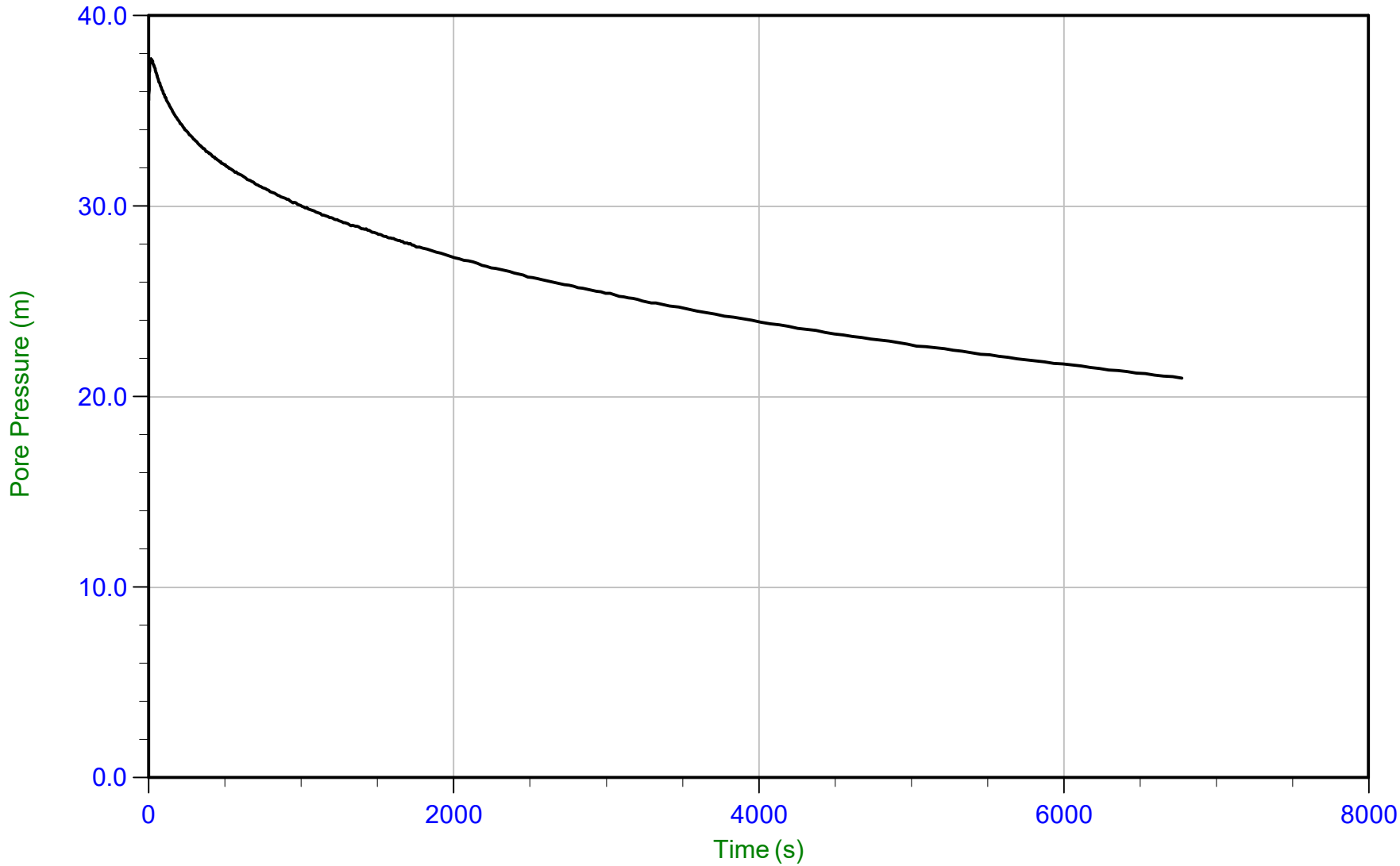
WT: -0.112 m / -0.367 ft
Ueq: 34.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 5.000 m / 16.404 ft
Duration: 6780.0 s

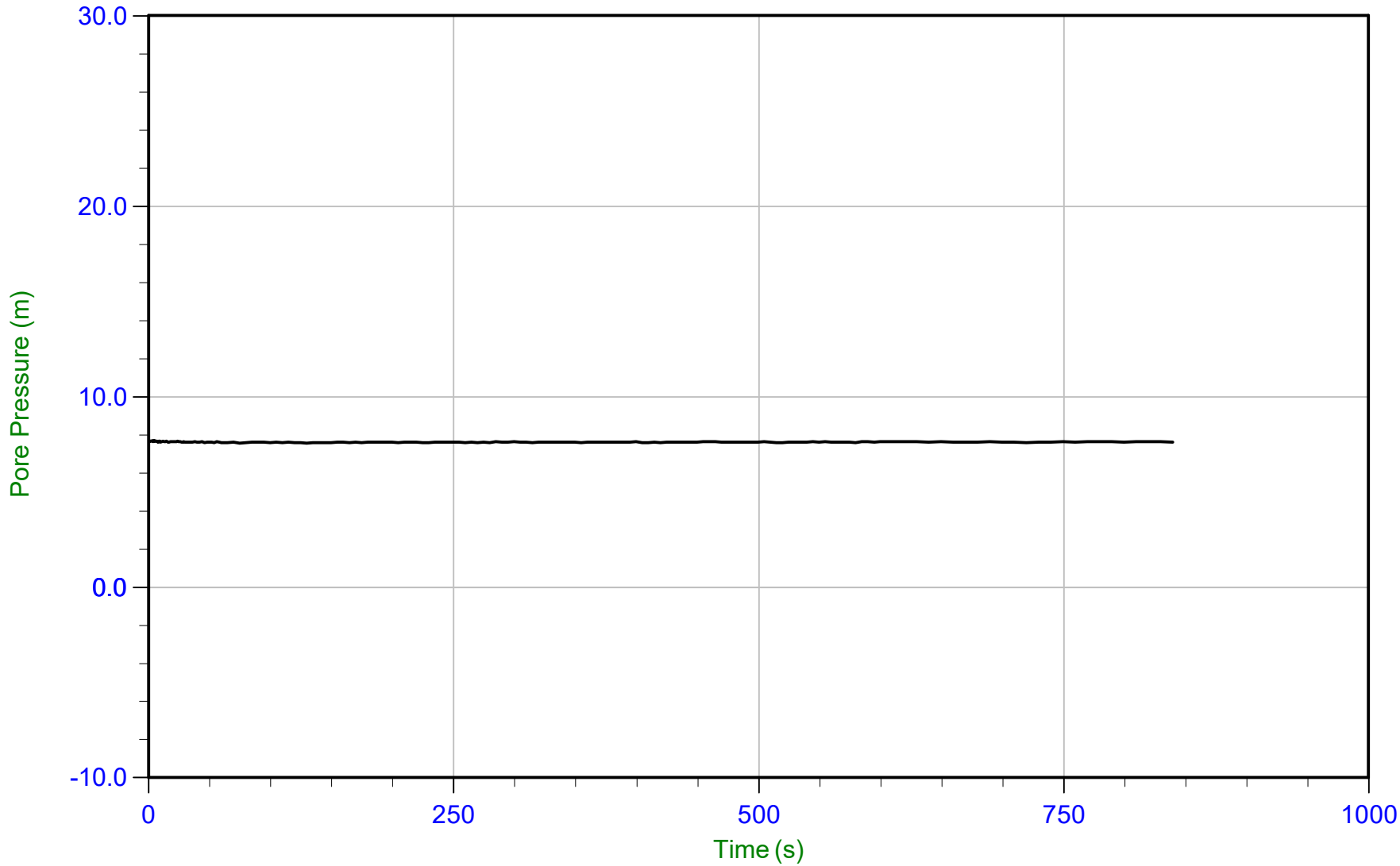
u Min: 21.0 m
u Max: 37.7 m
u Final: 21.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 10.000 m / 32.808 ft
Duration: 840.0 s

u Min: 7.6 m
u Max: 7.8 m
u Final: 7.6 m

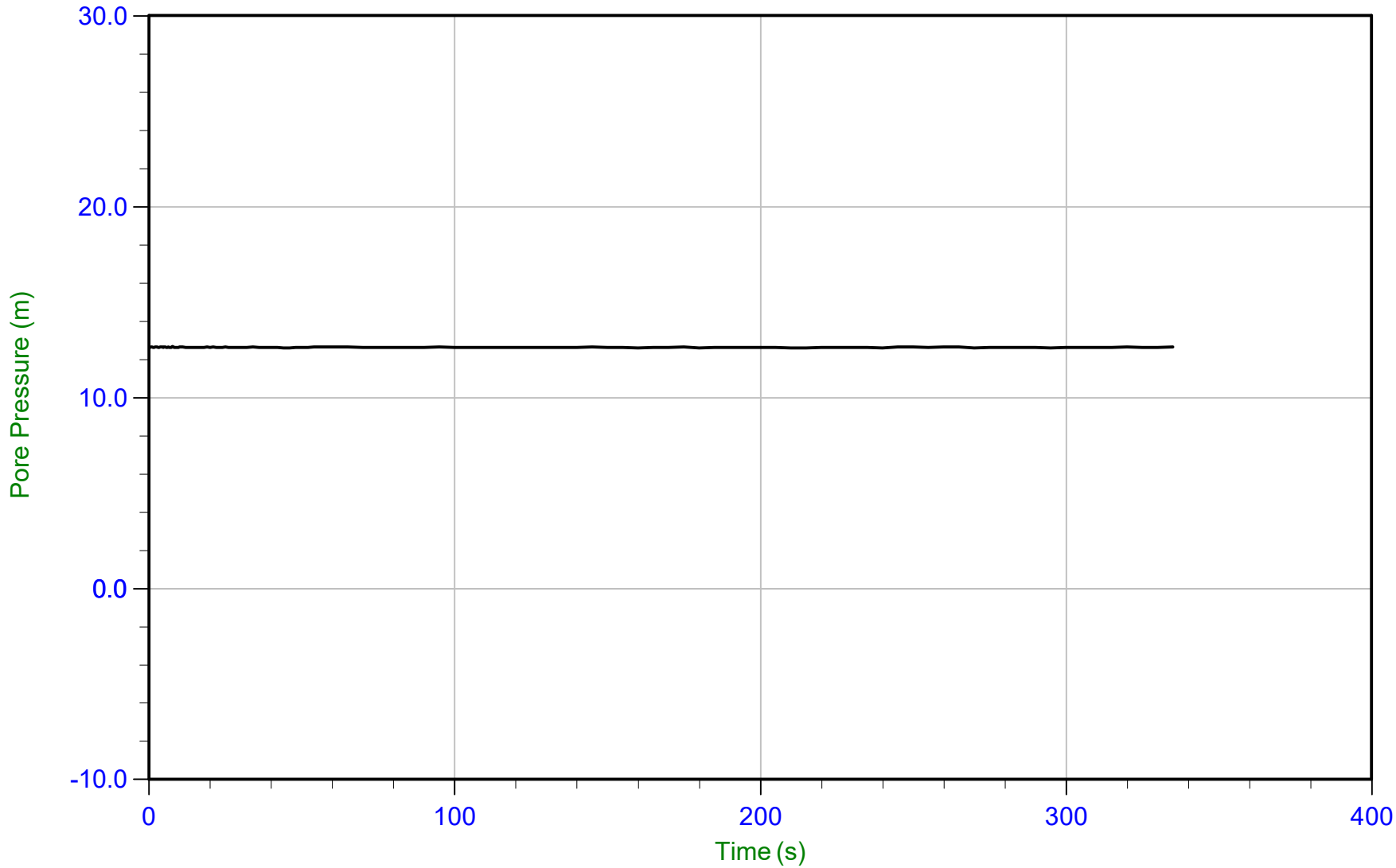
WT: 2.316 m / 7.598 ft
Ueq: 7.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 15.000 m / 49.212 ft
Duration: 335.0 s

u Min: 12.6 m
u Max: 12.7 m
u Final: 12.7 m

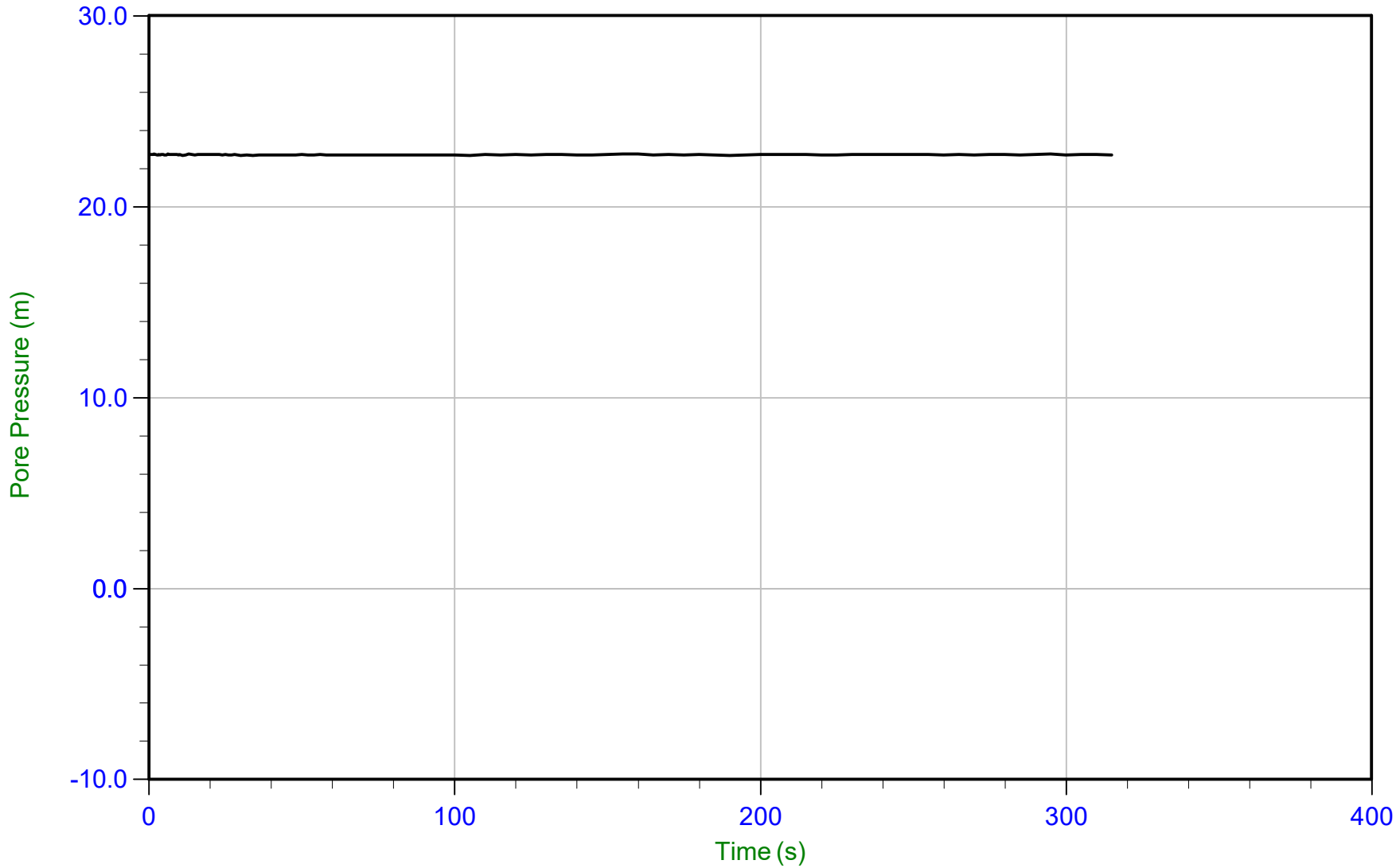
WT: 2.368 m / 7.769 ft
Ueq: 12.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 25.000 m / 82.020 ft
Duration: 315.0 s

u Min: 22.7 m
u Max: 22.8 m
u Final: 22.7 m

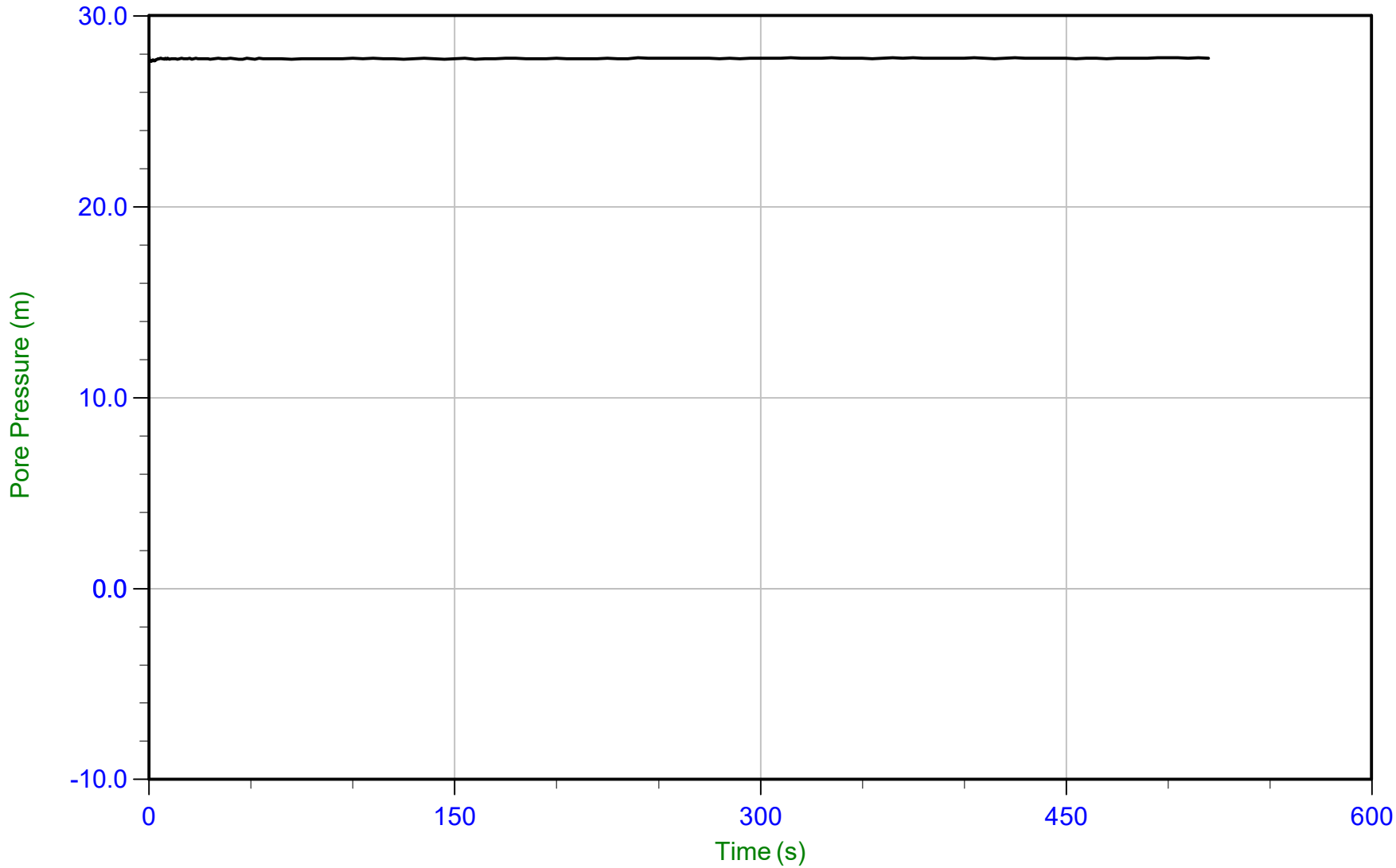
WT: 2.263 m / 7.424 ft
Ueq: 22.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 30.000 m / 98.424 ft
Duration: 520.0 s

u Min: 27.6 m
u Max: 27.9 m
u Final: 27.8 m

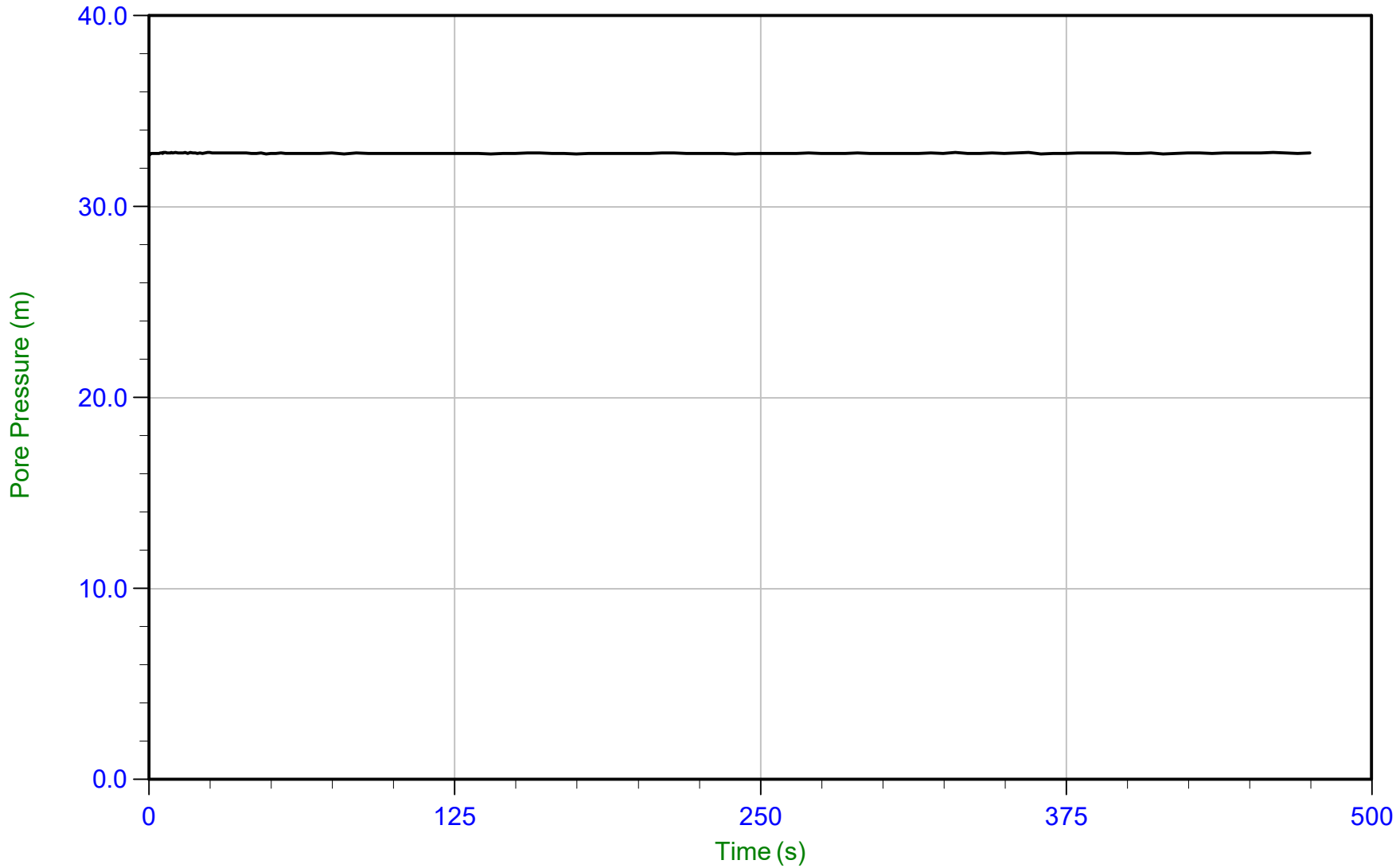
WT: 2.316 m / 7.598 ft
Ueq: 27.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 35.000 m / 114.828 ft
Duration: 475.0 s

u Min: 32.7 m
u Max: 32.8 m
u Final: 32.8 m

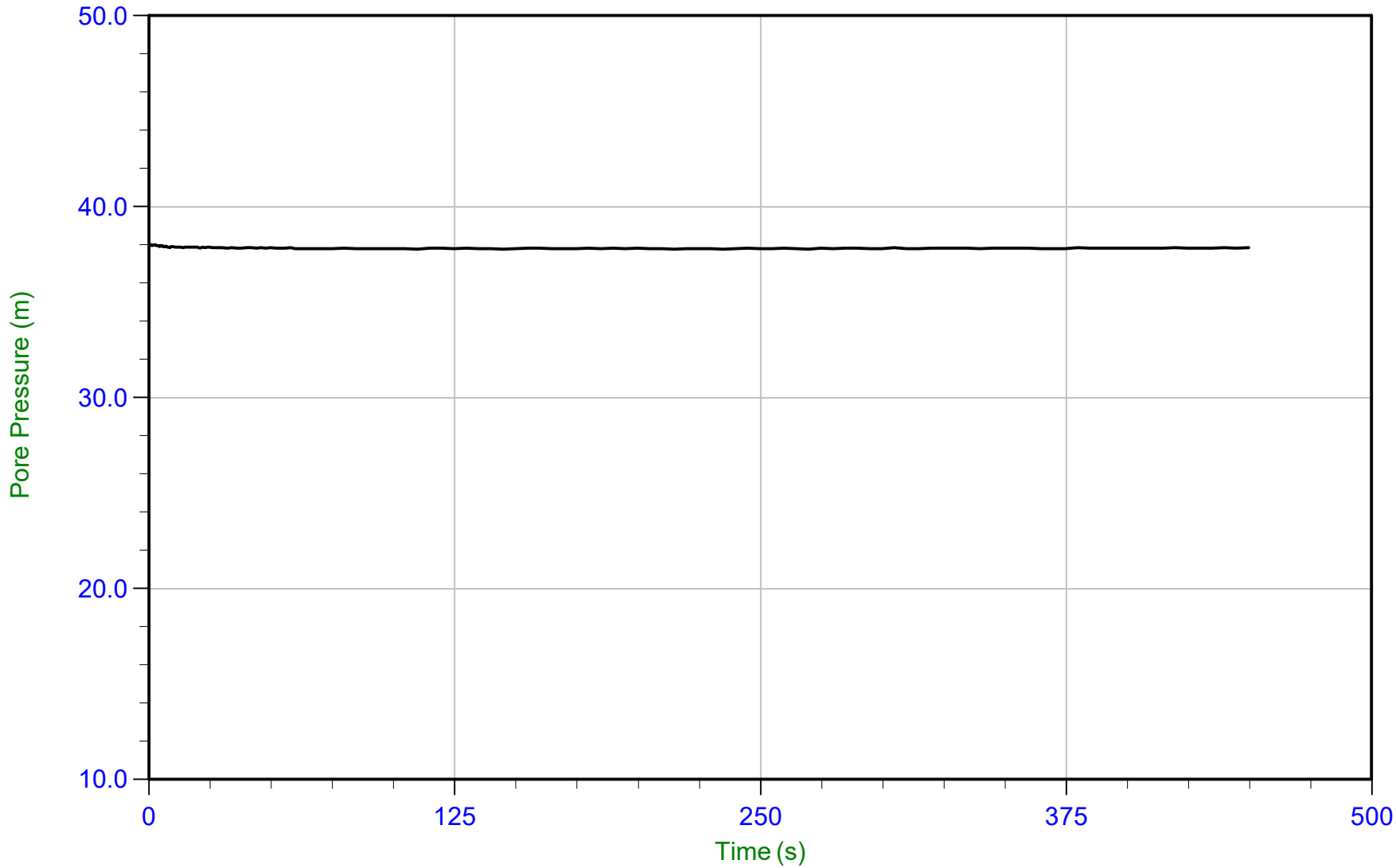
WT: 2.263 m / 7.424 ft
Ueq: 32.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/13/2021 12:03
Site: Crawford Mine

Sounding: SRK-PF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPPF04.PPF
Depth: 40.000 m / 131.232 ft
Duration: 450.0 s

u Min: 37.8 m
u Max: 38.0 m
u Final: 37.8 m

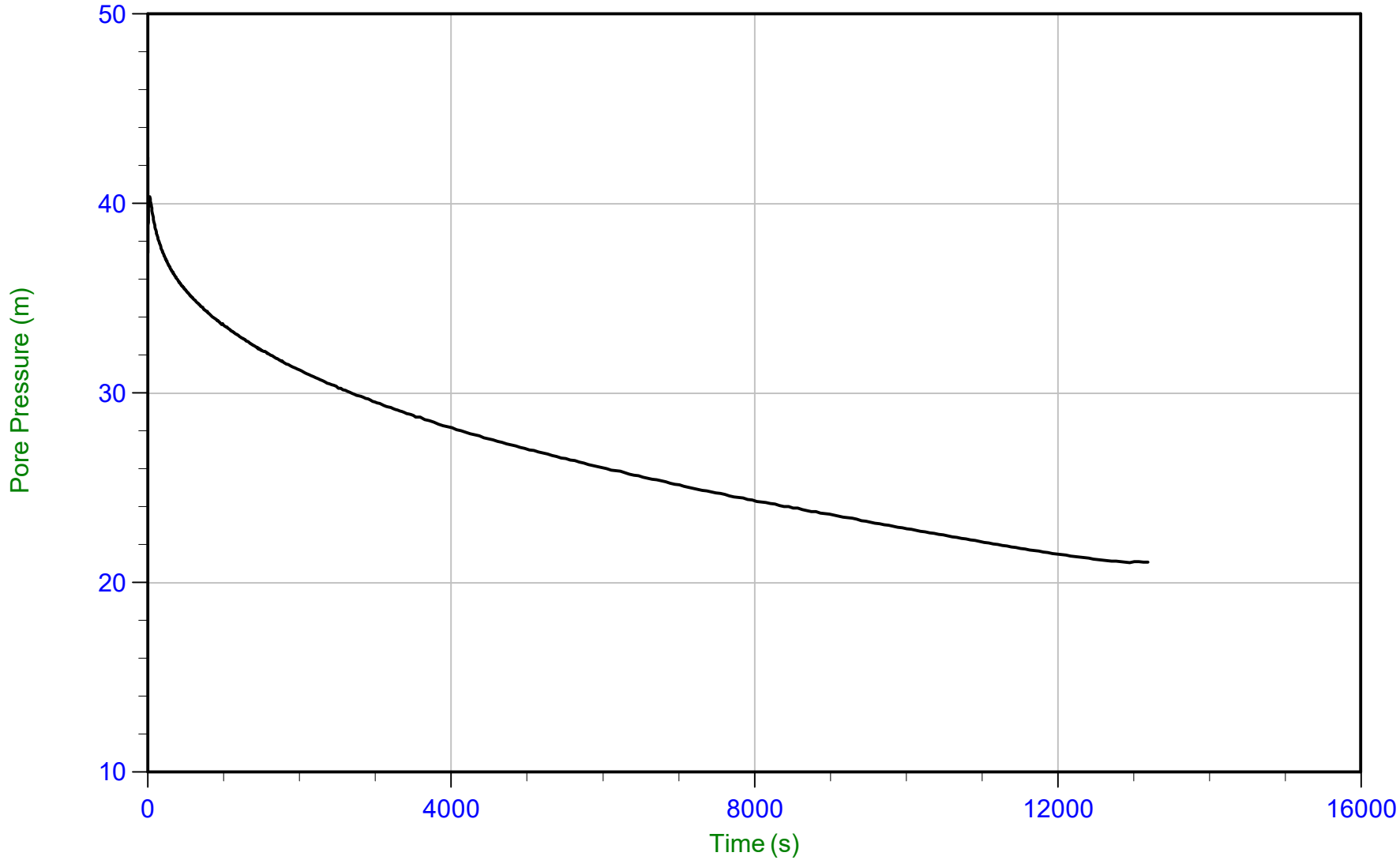
WT: 2.211 m / 7.254 ft
Ueq: 37.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/12/2022 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPSOS02.PPF
Depth: 5.000 m / 16.404 ft
Duration: 13199.4 s

u Min: 21.1 m
u Max: 42.4 m
u Final: 21.1 m

WT: 0.499 m / 1.637 ft
Ueq: 4.5 m
U(50): 23.46 m

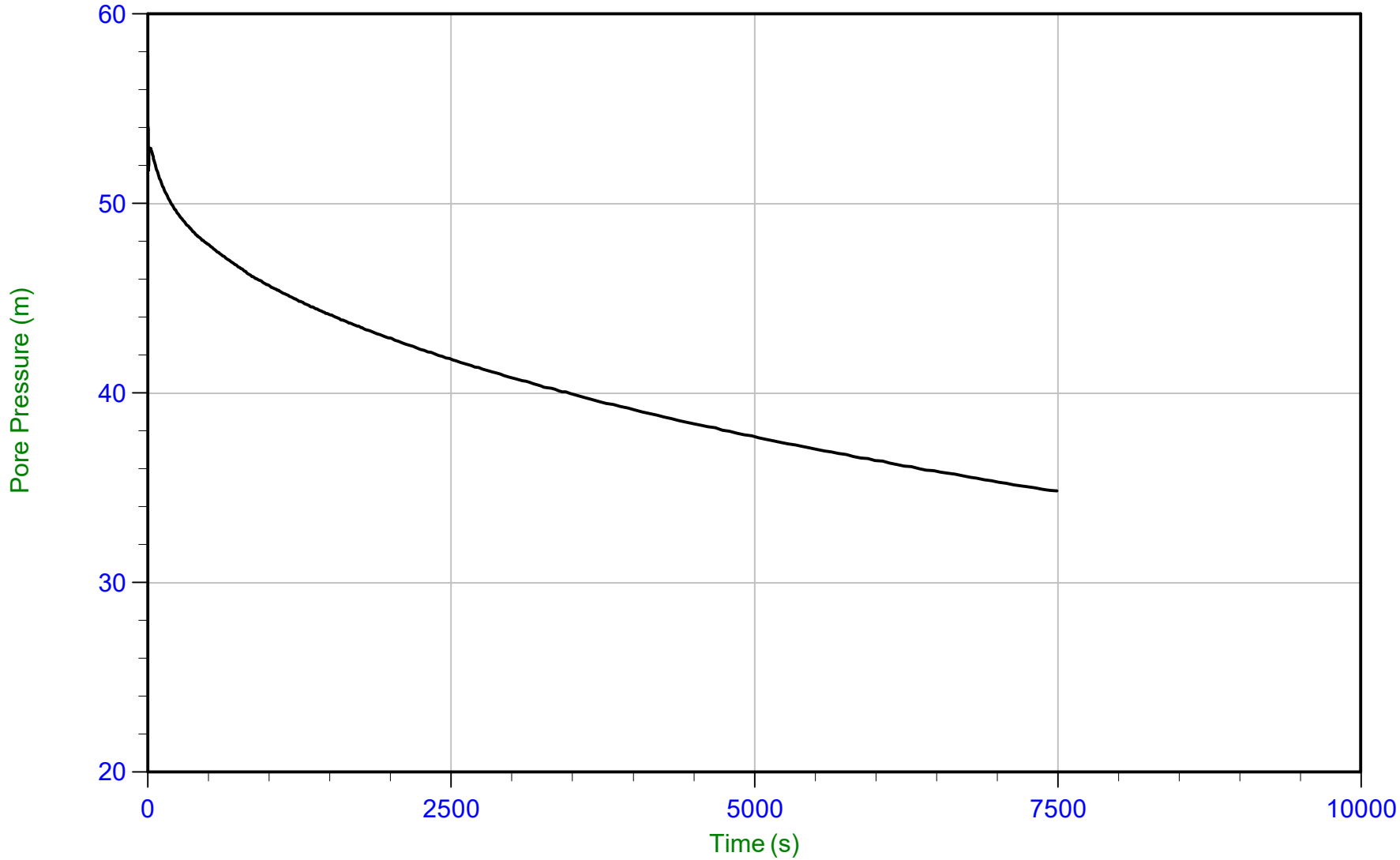
T(50): 9181.7 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/12/2022 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPSOS02.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7499.3 s

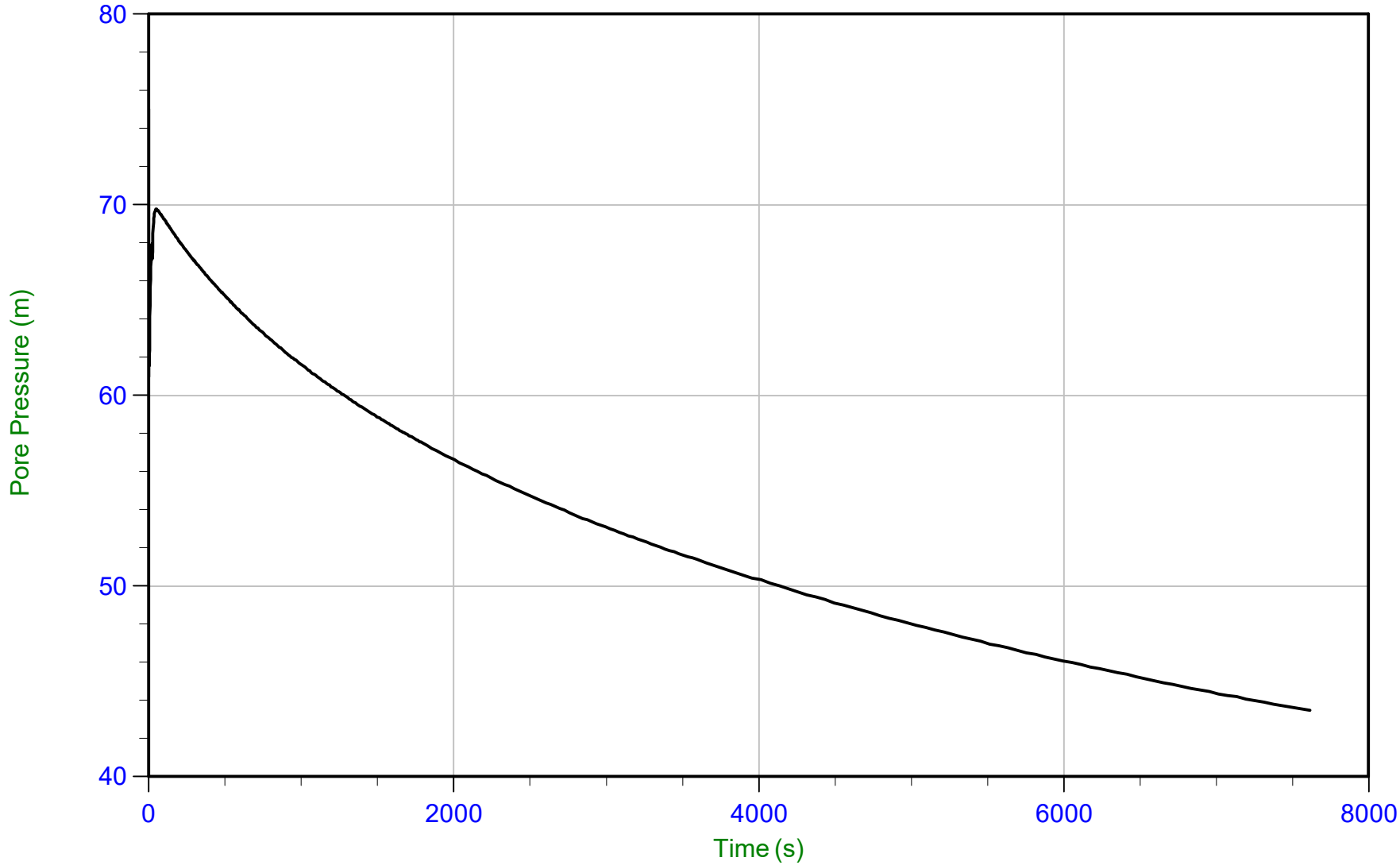
u Min: 34.8 m
u Max: 57.9 m
u Final: 34.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/12/2022 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPSOS02.PPF
Depth: 15.000 m / 49.212 ft
Duration: 7619.3 s

u Min: 43.5 m
u Max: 75.0 m
u Final: 43.5 m

WT: 0.499 m / 1.637 ft
Ueq: 14.5 m
U(50): 44.77 m

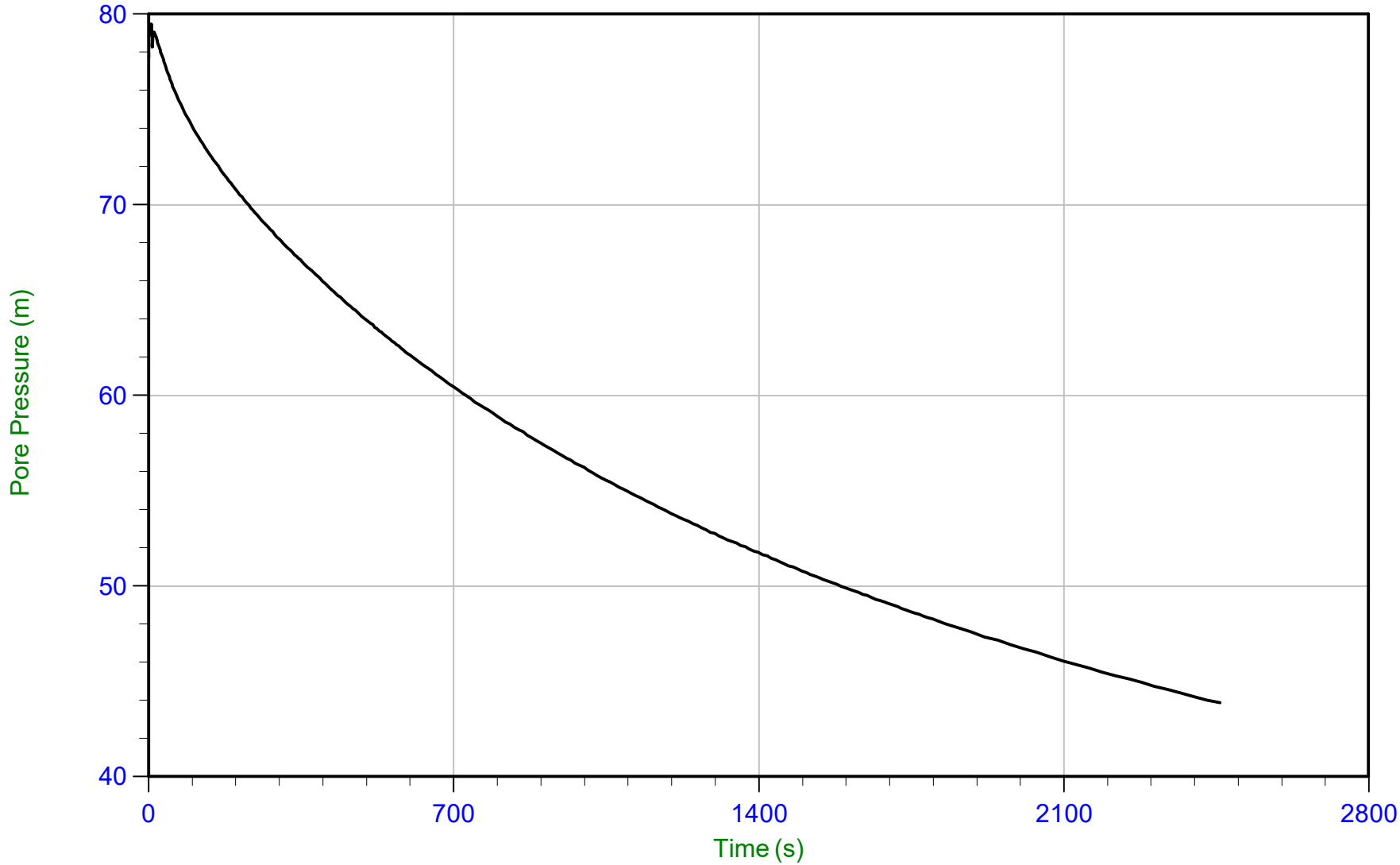
T(50): 6762.7 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/12/2022 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPSOS02.PPF
Depth: 20.000 m / 65.616 ft
Duration: 2459.8 s

u Min: 43.9 m
u Max: 79.5 m
u Final: 43.9 m

WT: 0.499 m / 1.637 ft
Ueq: 19.5 m
U(50): 49.50 m

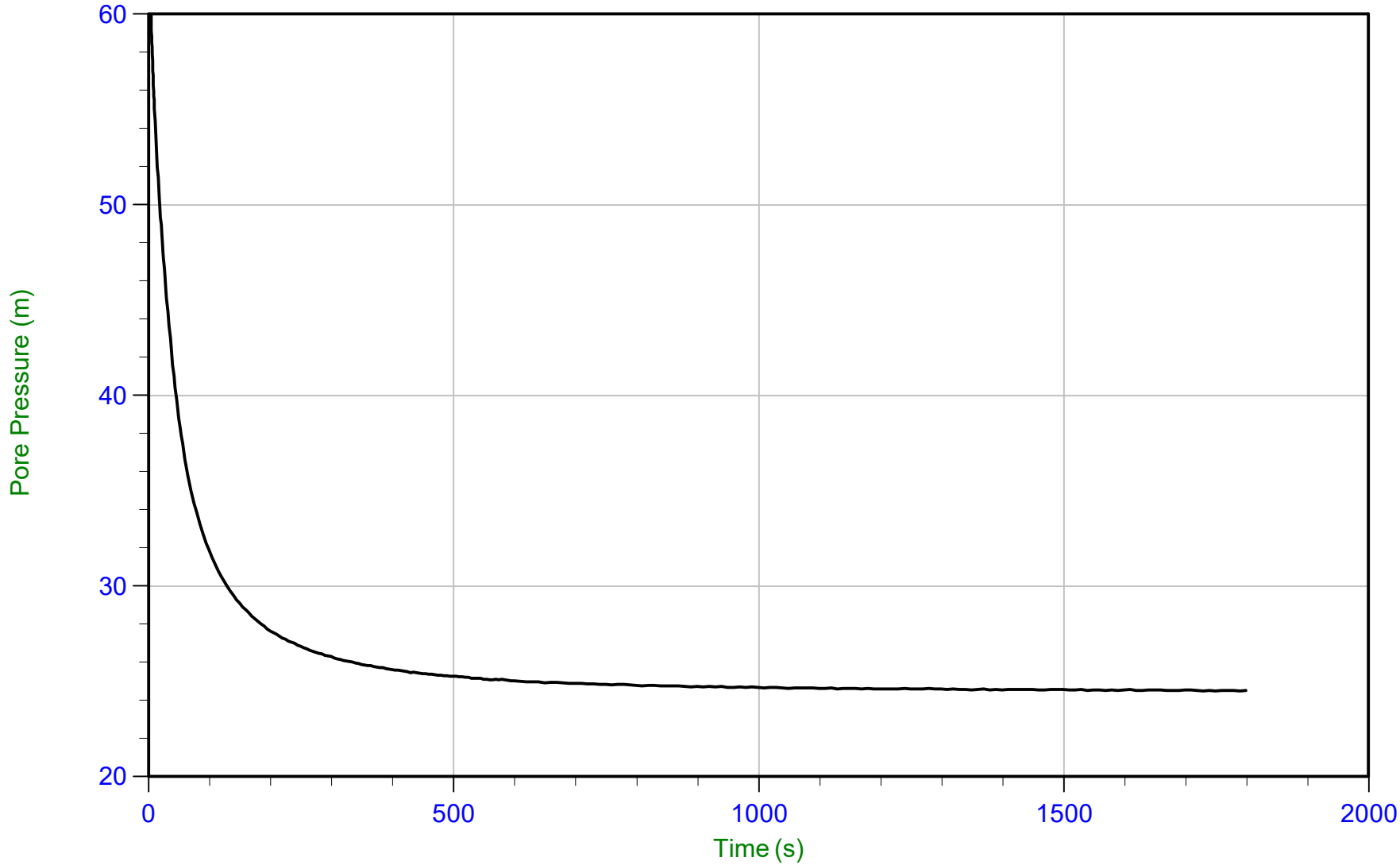
T(50): 1645.6 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/12/2022 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPSOS02.PPF
Depth: 25.025 m / 82.102 ft
Duration: 1799.8 s

u Min: 24.5 m
u Max: 68.7 m
u Final: 24.5 m

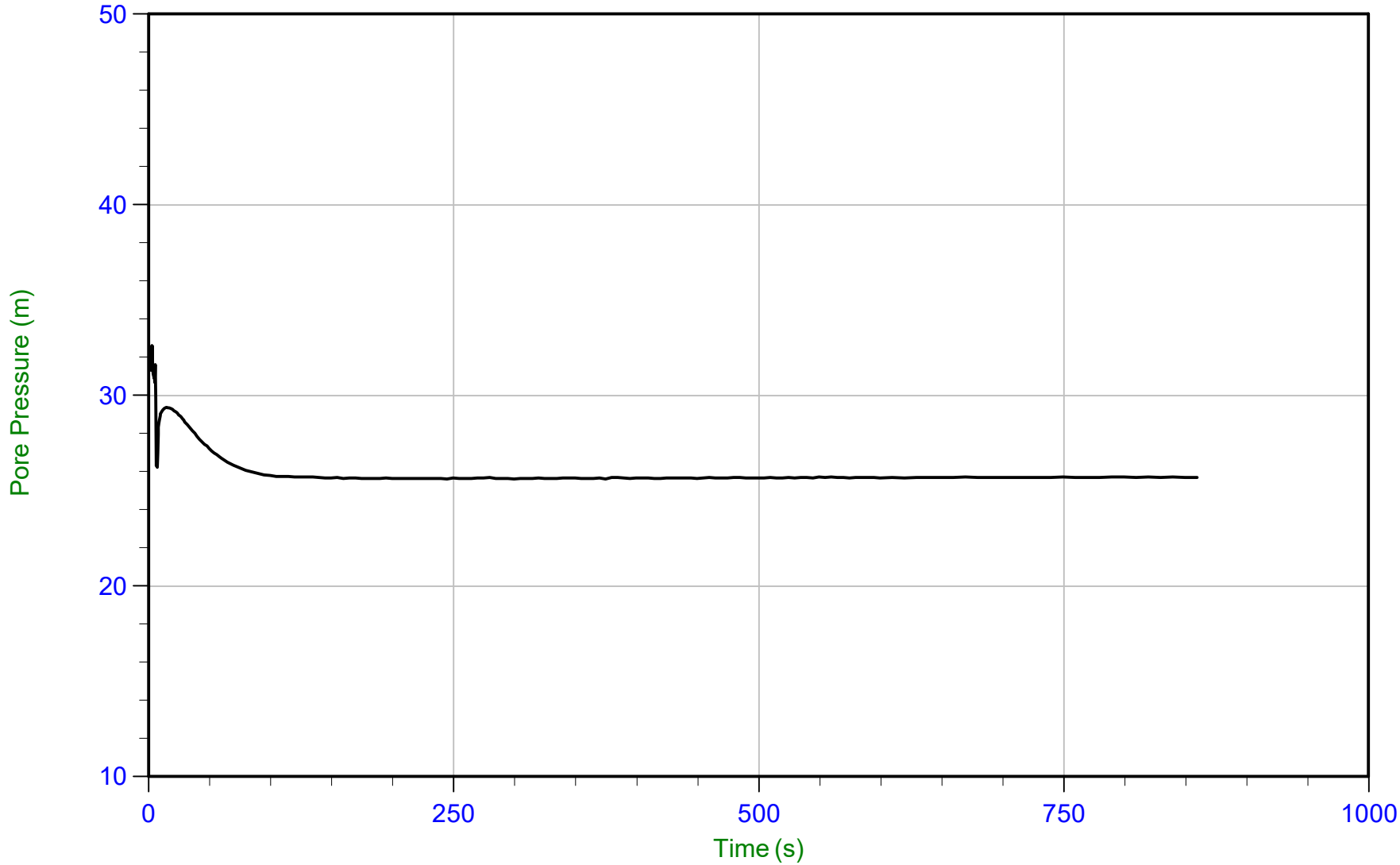
WT: 0.499 m / 1.637 ft
Ueq: 24.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/12/2022 08:59
Site: Crawford Mine

Sounding: SRK-SOS-CPT-02
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPSOS02.PPF
Depth: 26.425 m / 86.695 ft
Duration: 859.9 s

u Min: 25.6 m
u Max: 32.6 m
u Final: 25.7 m

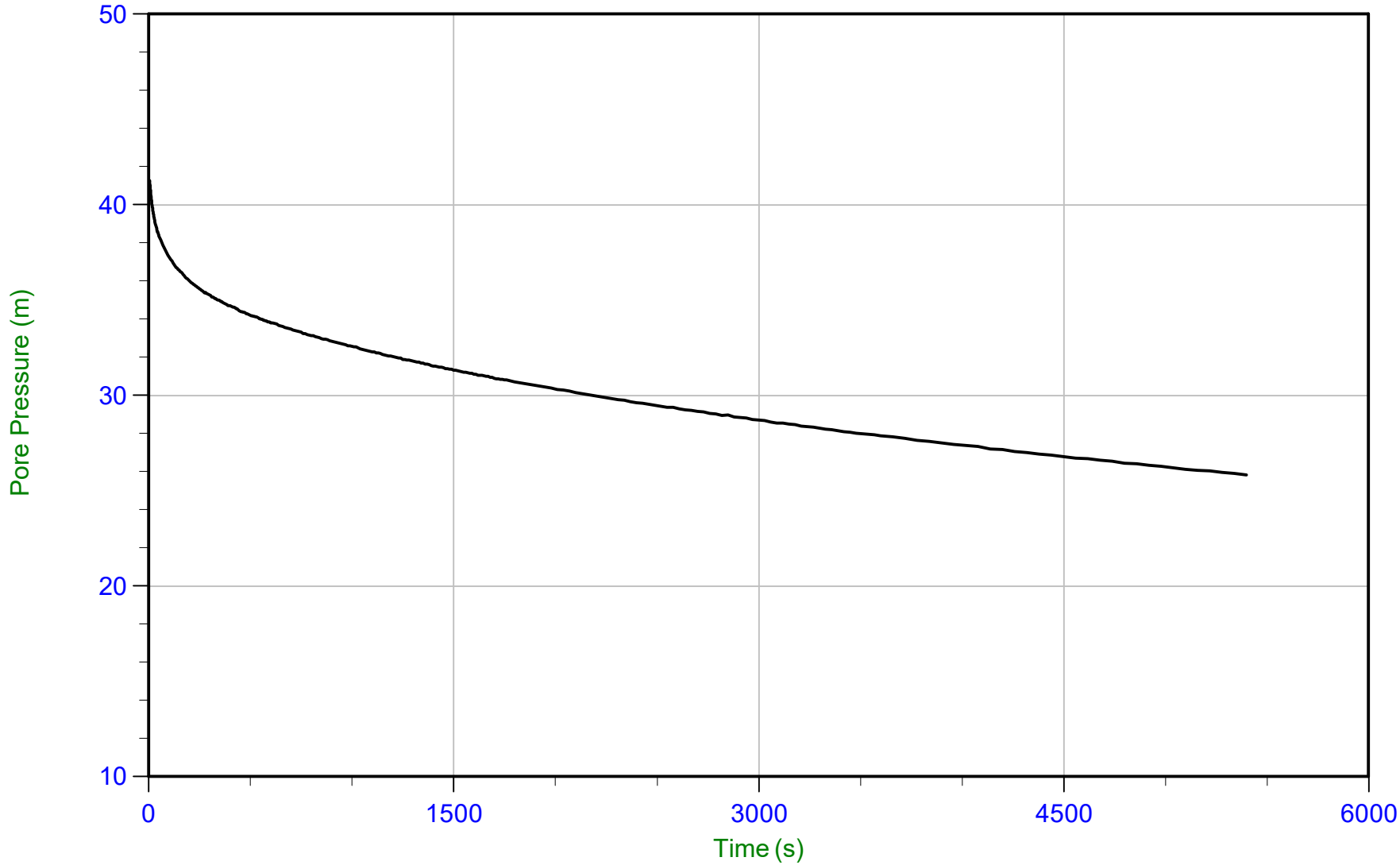
WT: 0.530 m / 1.739 ft
Ueq: 25.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/17/2022 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01.PPF
Depth: 5.000 m / 16.404 ft
Duration: 5400.0 s

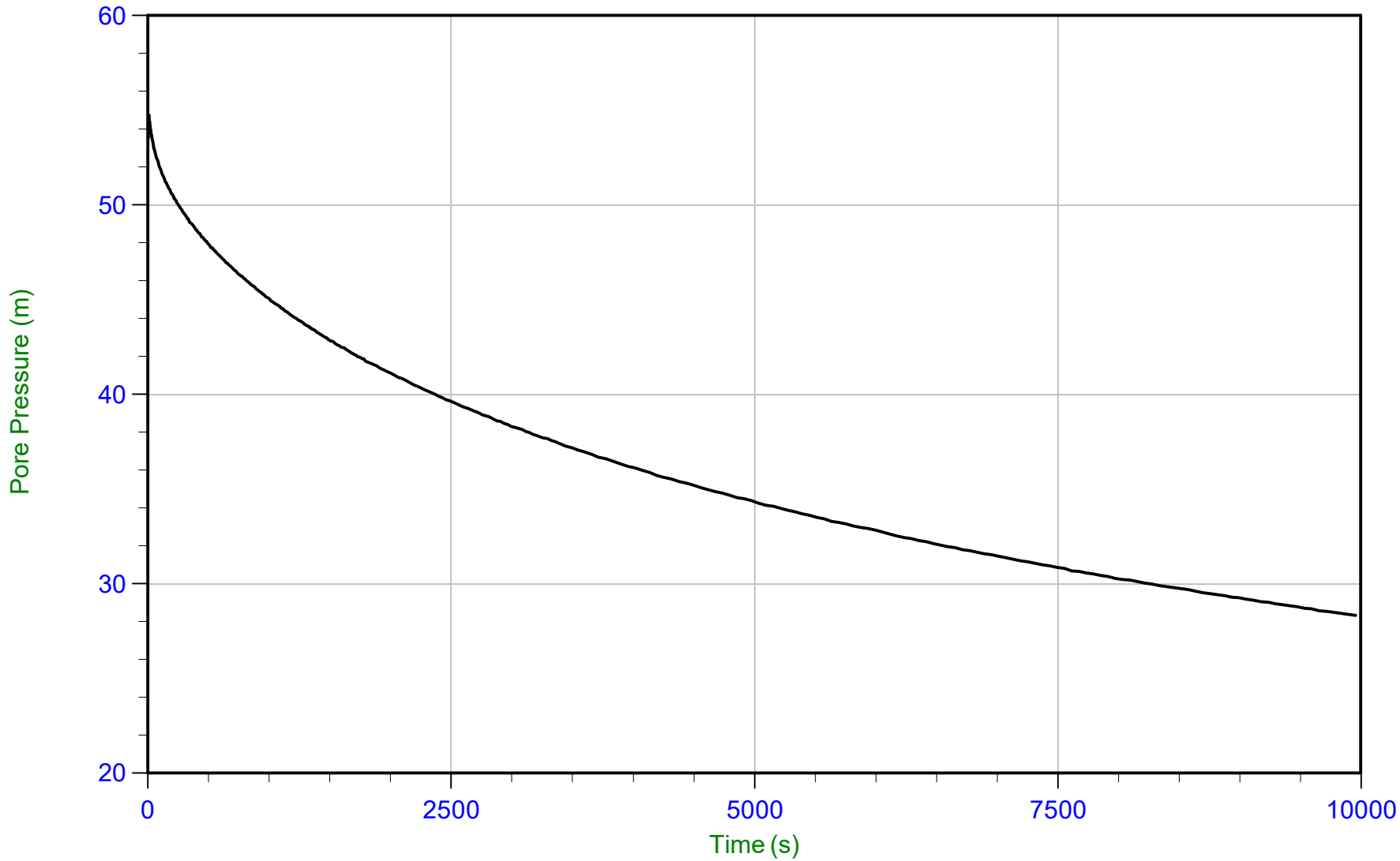
u Min: 25.8 m
u Max: 41.3 m
u Final: 25.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/17/2022 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01.PPF
Depth: 10.550 m / 34.612 ft
Duration: 9960.0 s

u Min: 28.3 m
u Max: 54.7 m
u Final: 28.3 m

WT: 2.850 m / 9.350 ft
Ueq: 7.7 m
U(50): 31.22 m

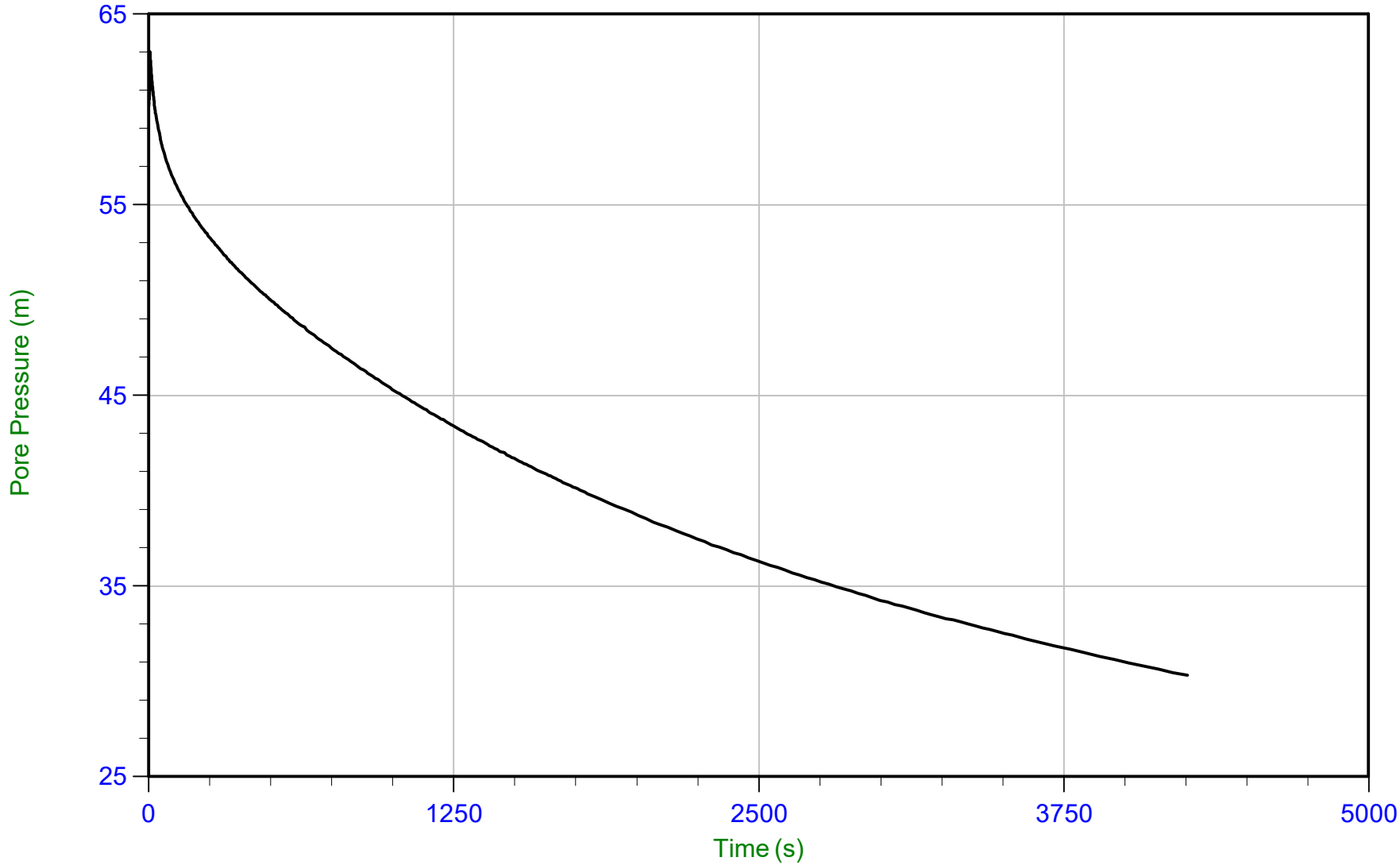
T(50): 7178.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/17/2022 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01.PPF
Depth: 15.000 m / 49.212 ft
Duration: 4260.0 s

u Min: 30.3 m
u Max: 63.0 m
u Final: 30.3 m

WT: 2.850 m / 9.350 ft
Ueq: 12.2 m
U(50): 37.59 m

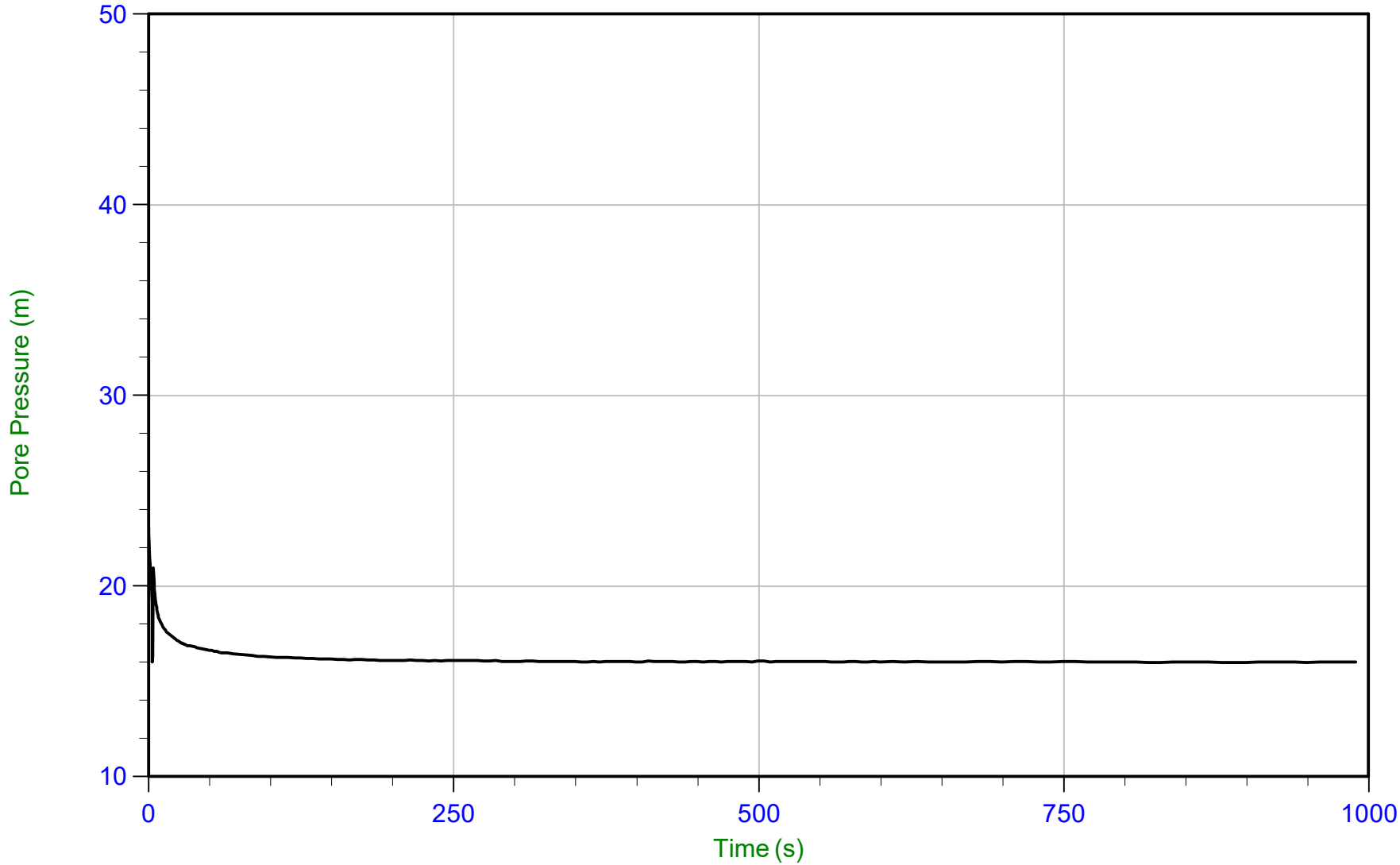
T(50): 2221.3 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/17/2022 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01.PPF
Depth: 18.850 m / 61.843 ft
Duration: 990.0 s

u Min: 16.0 m
u Max: 23.1 m
u Final: 16.0 m

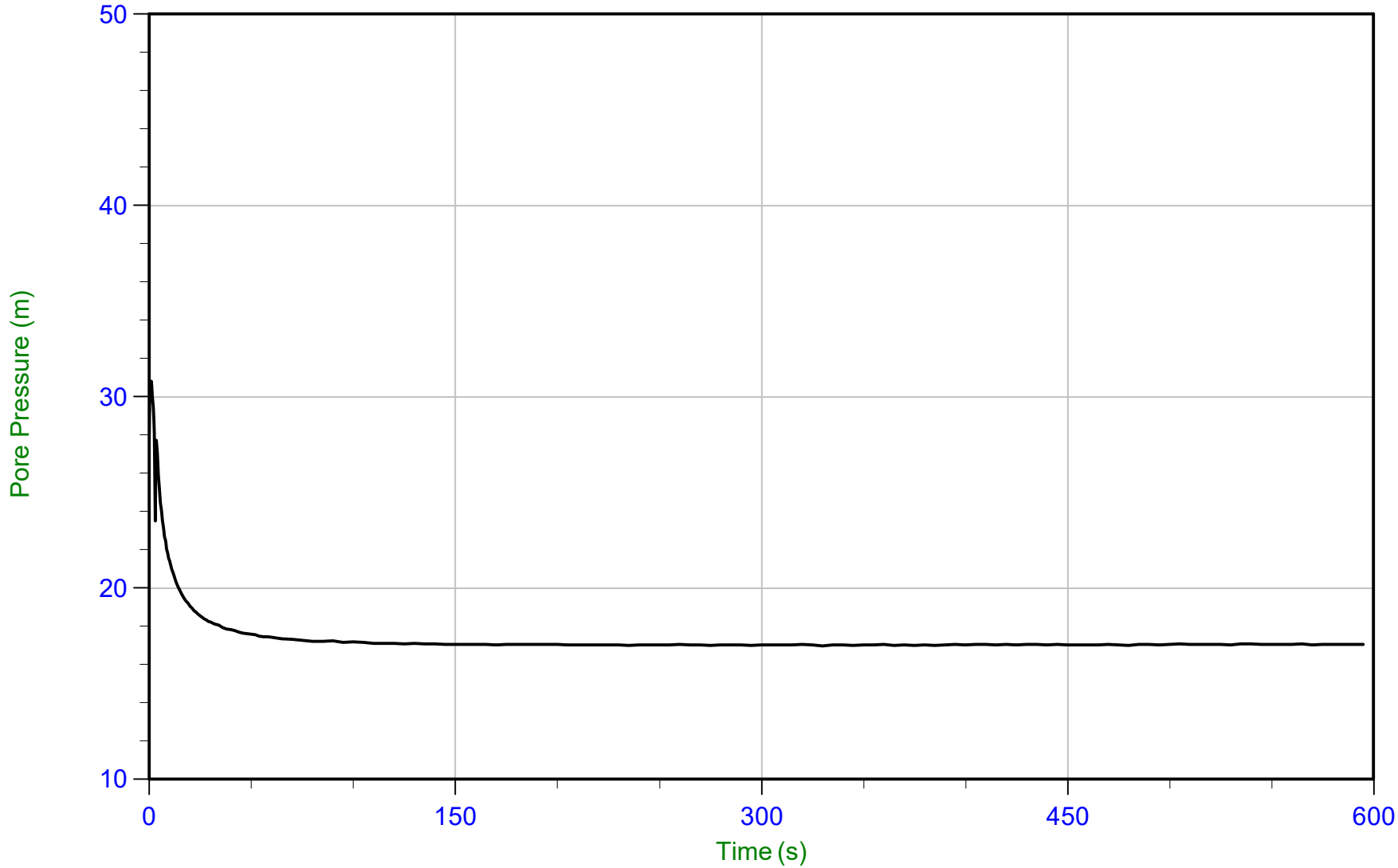
WT: 2.850 m / 9.350 ft
Ueq: 16.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/17/2022 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01.PPF
Depth: 20.000 m / 65.616 ft
Duration: 595.0 s

u Min: 17.0 m
u Max: 30.8 m
u Final: 17.0 m

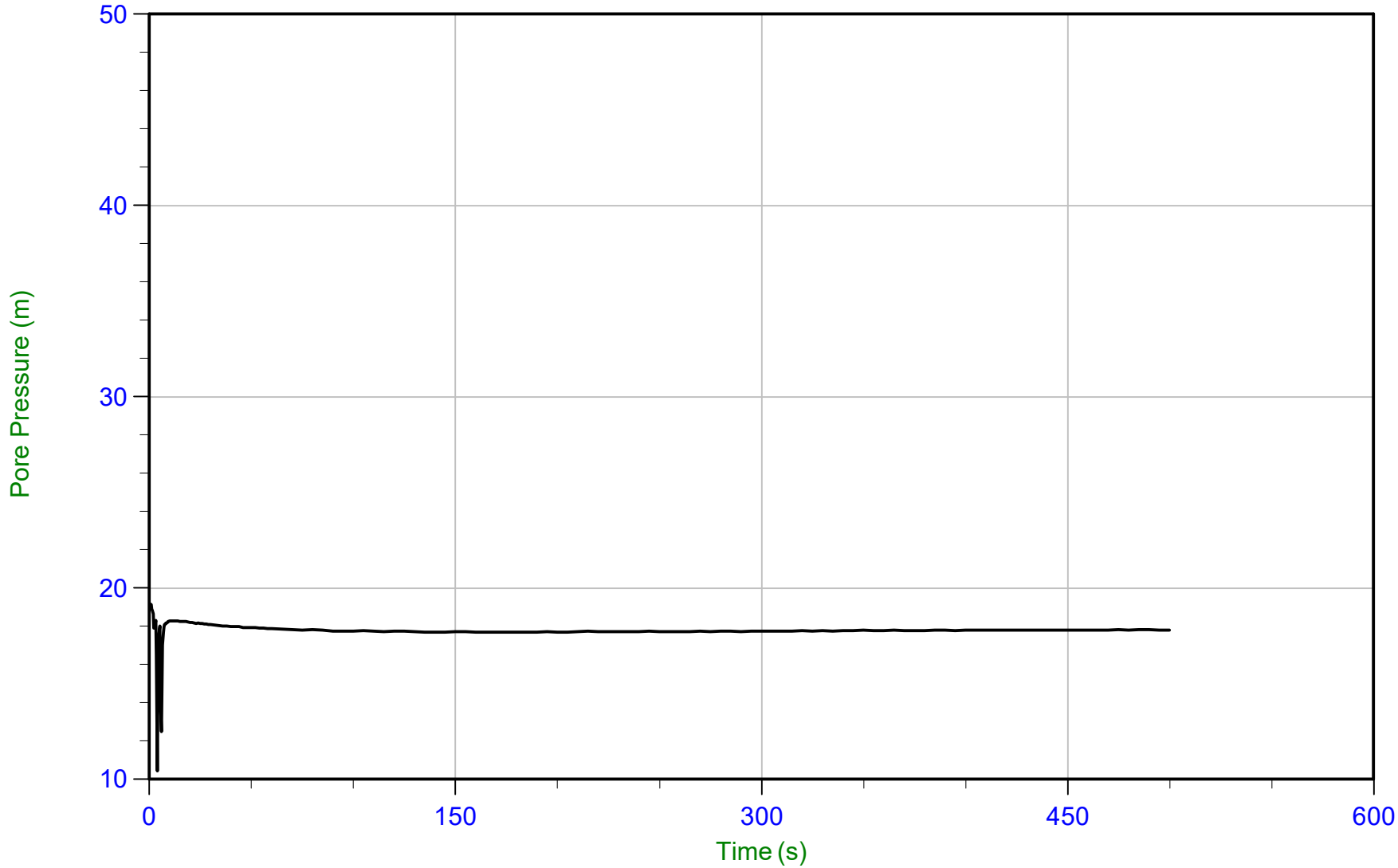
WT: 2.842 m / 9.324 ft
Ueq: 17.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/17/2022 13:17
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01.PPF
Depth: 21.025 m / 68.979 ft
Duration: 500.0 s

u Min: 10.4 m
u Max: 19.2 m
u Final: 17.8 m

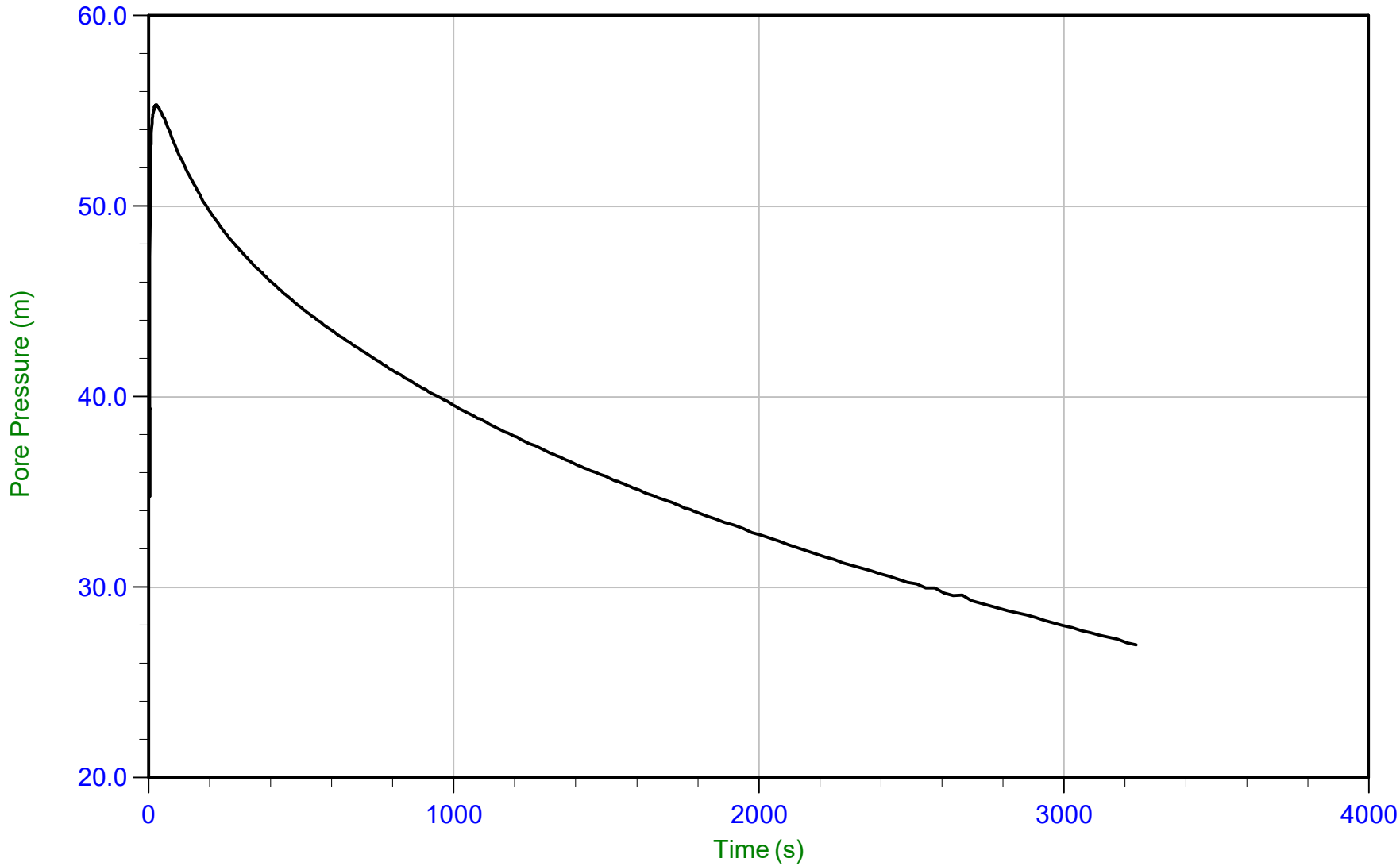
WT: 3.025 m / 9.924 ft
Ueq: 18.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/19/2022 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01A.PPF
Depth: 3.150 m / 10.335 ft
Duration: 3240.0 s

u Min: 27.0 m
u Max: 55.3 m
u Final: 27.0 m

WT: 0.500 m / 1.640 ft
Ueq: 2.6 m
U(50): 28.99 m

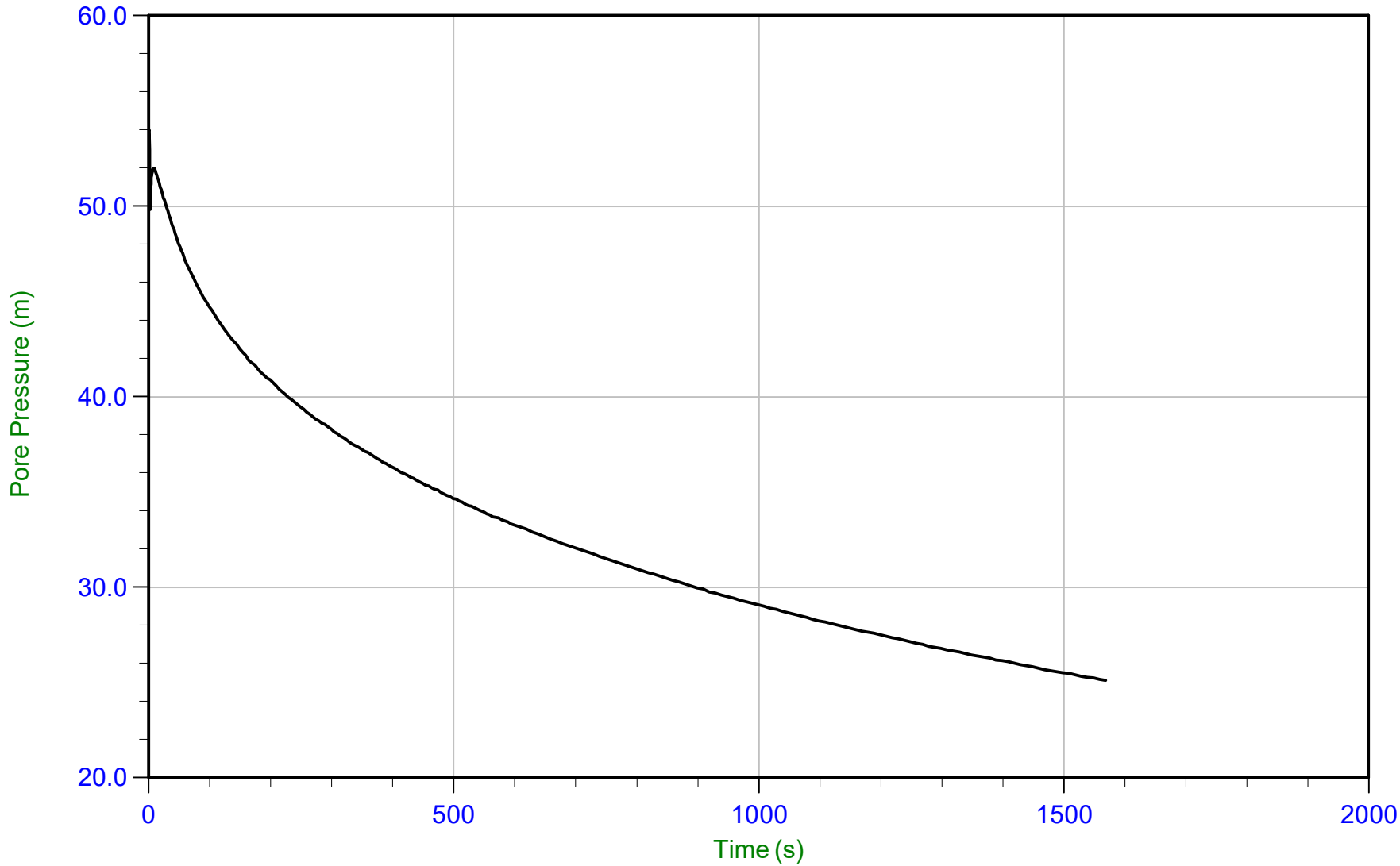
T(50): 2742.1 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/19/2022 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01A.PPF
Depth: 8.000 m / 26.246 ft
Duration: 1570.0 s

u Min: 25.1 m
u Max: 54.0 m
u Final: 25.1 m

WT: 0.500 m / 1.640 ft
Ueq: 7.5 m
U(50): 30.76 m

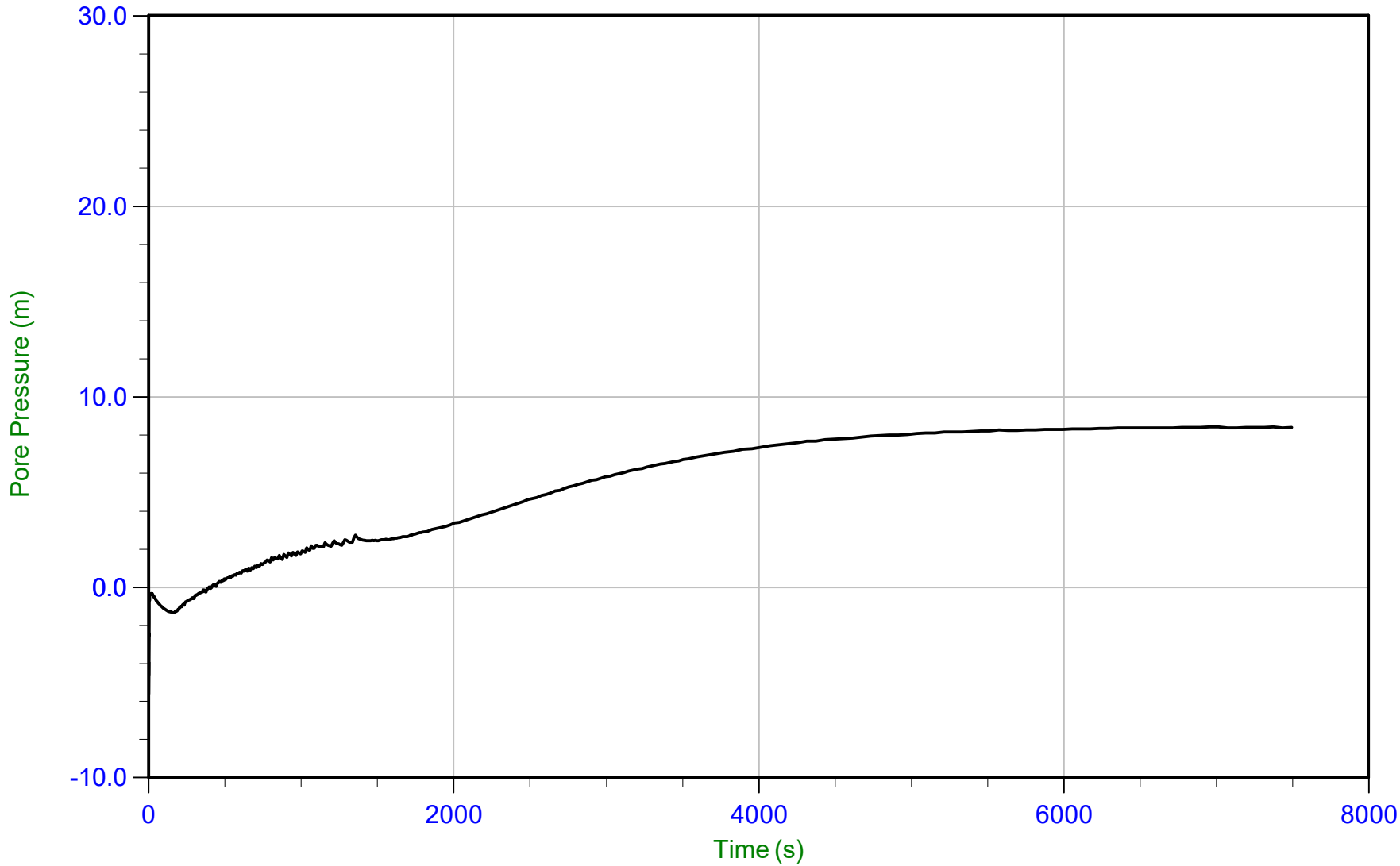
T(50): 818.3 s
Ir: 100
Ch: 0.9 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/19/2022 18:10
Site: Crawford Mine

Sounding: SRK-TSF-CPT-01A
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF01A.PPF
Depth: 9.525 m / 31.250 ft
Duration: 7500.0 s

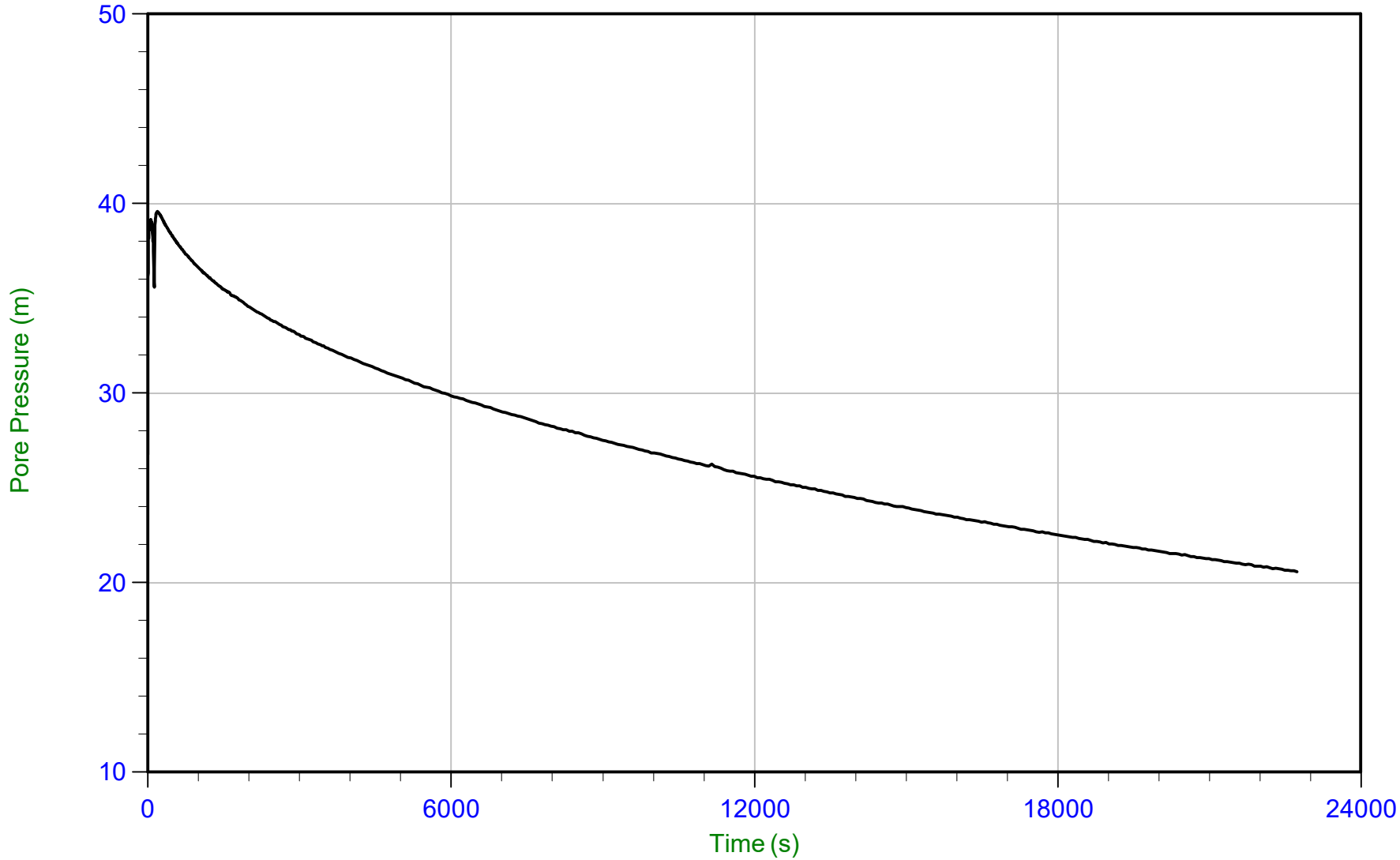
u Min: -5.6 m
u Max: 8.4 m
u Final: 8.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/26/2022 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF03.PPF
Depth: 5.000 m / 16.404 ft
Duration: 22740.0 s

u Min: 20.6 m
u Max: 39.6 m
u Final: 20.6 m

WT: 3.053 m / 10.016 ft
Ueq: 1.9 m
U(50): 20.77 m

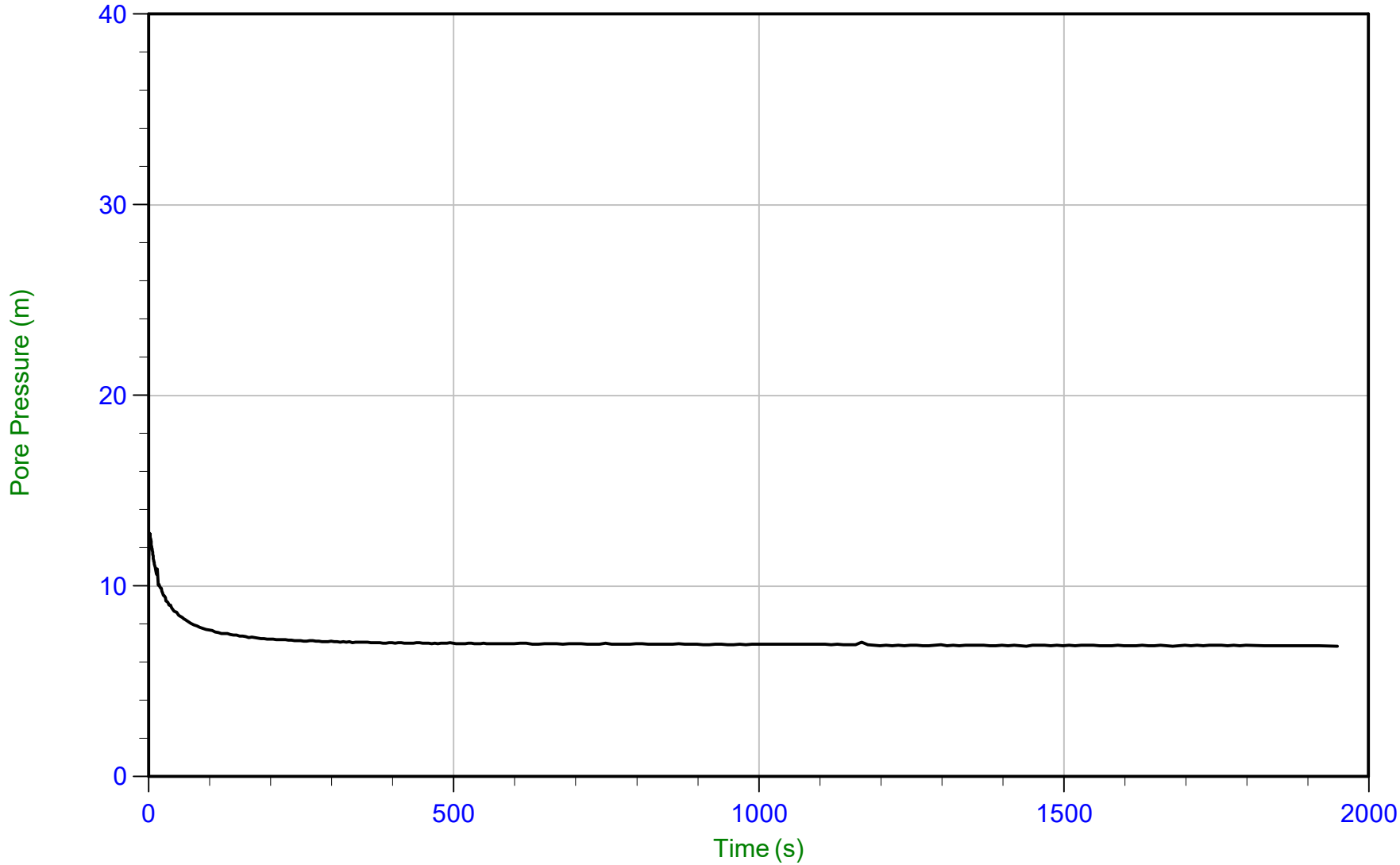
T(50): 22026.0 s
Ir: 100
Ch: 0.0 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/26/2022 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF03.PPF
Depth: 10.000 m / 32.808 ft
Duration: 1950.0 s

u Min: 6.8 m
u Max: 12.8 m
u Final: 6.8 m

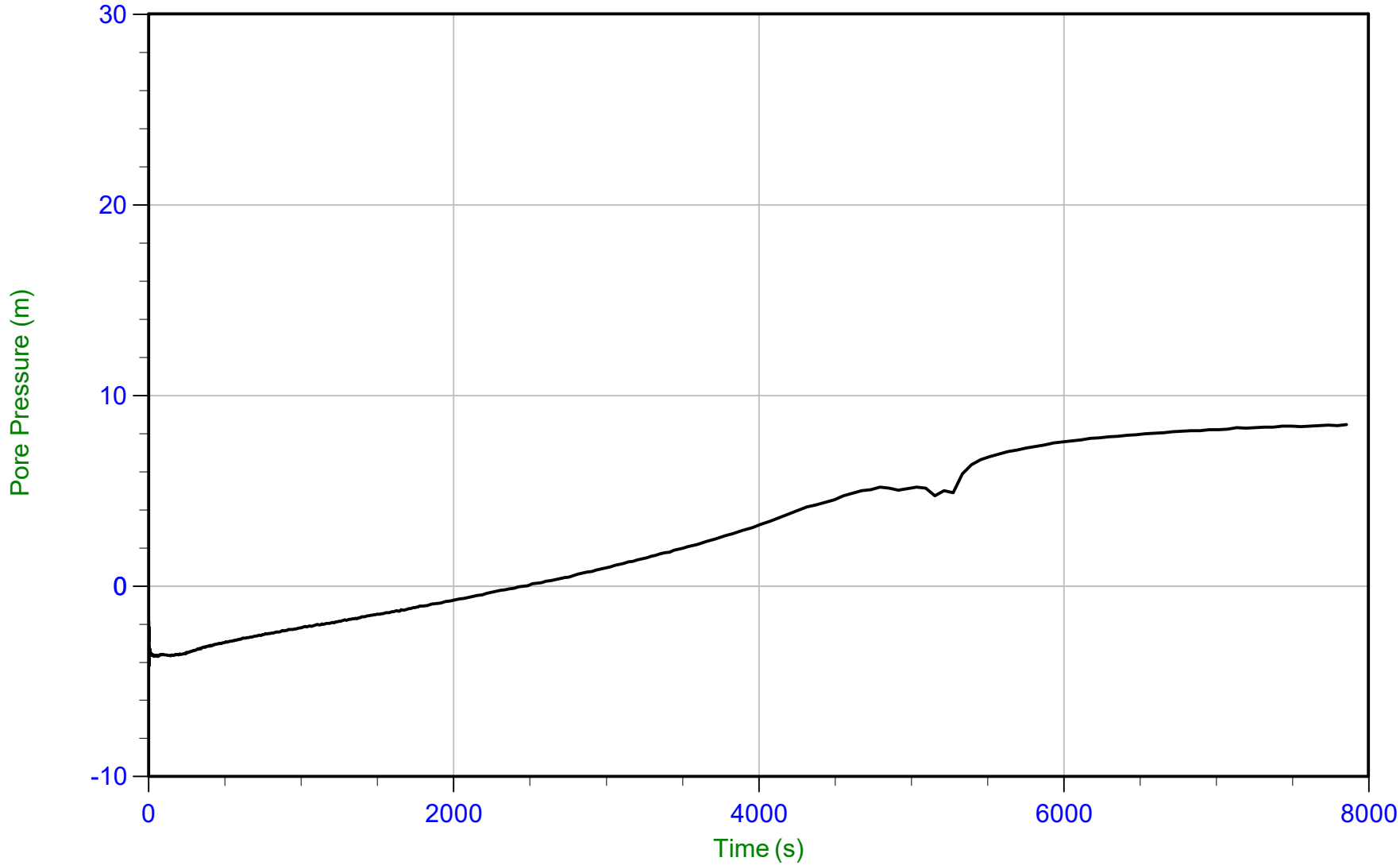
WT: 3.053 m / 10.016 ft
Ueq: 6.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/26/2022 12:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-03
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF03.PPF
Depth: 12.075 m / 39.616 ft
Duration: 7860.0 s

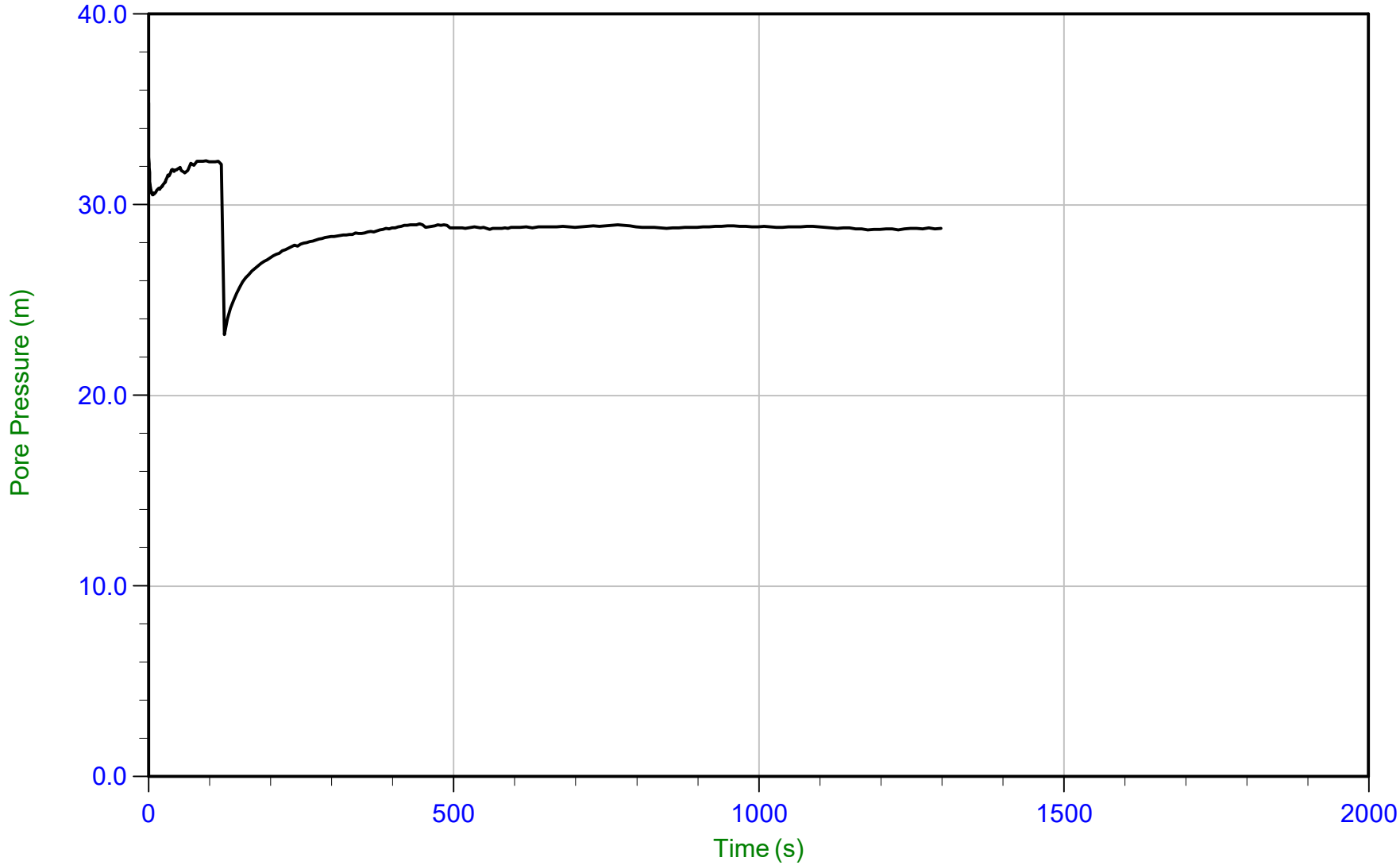
u Min: -4.2 m
u Max: 8.5 m
u Final: 8.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/30/2022 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF04.PPF
Depth: 5.000 m / 16.404 ft
Duration: 1300.0 s

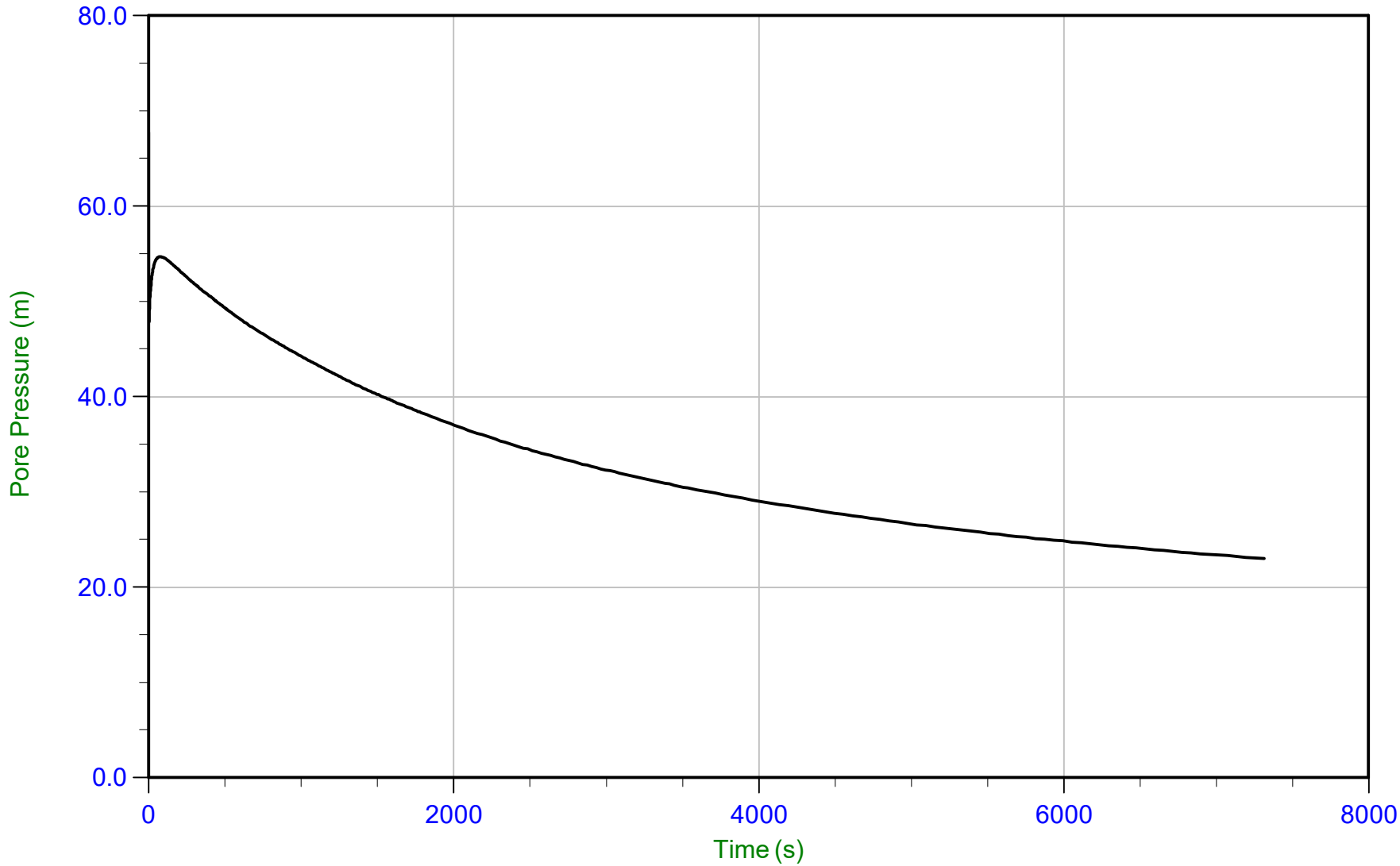
u Min: 23.2 m
u Max: 35.3 m
u Final: 28.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/30/2022 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF04.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7320.0 s

u Min: 23.0 m
u Max: 67.7 m
u Final: 23.0 m

WT: -0.158 m / -0.518 ft
Ueq: 10.2 m
U(50): 38.95 m

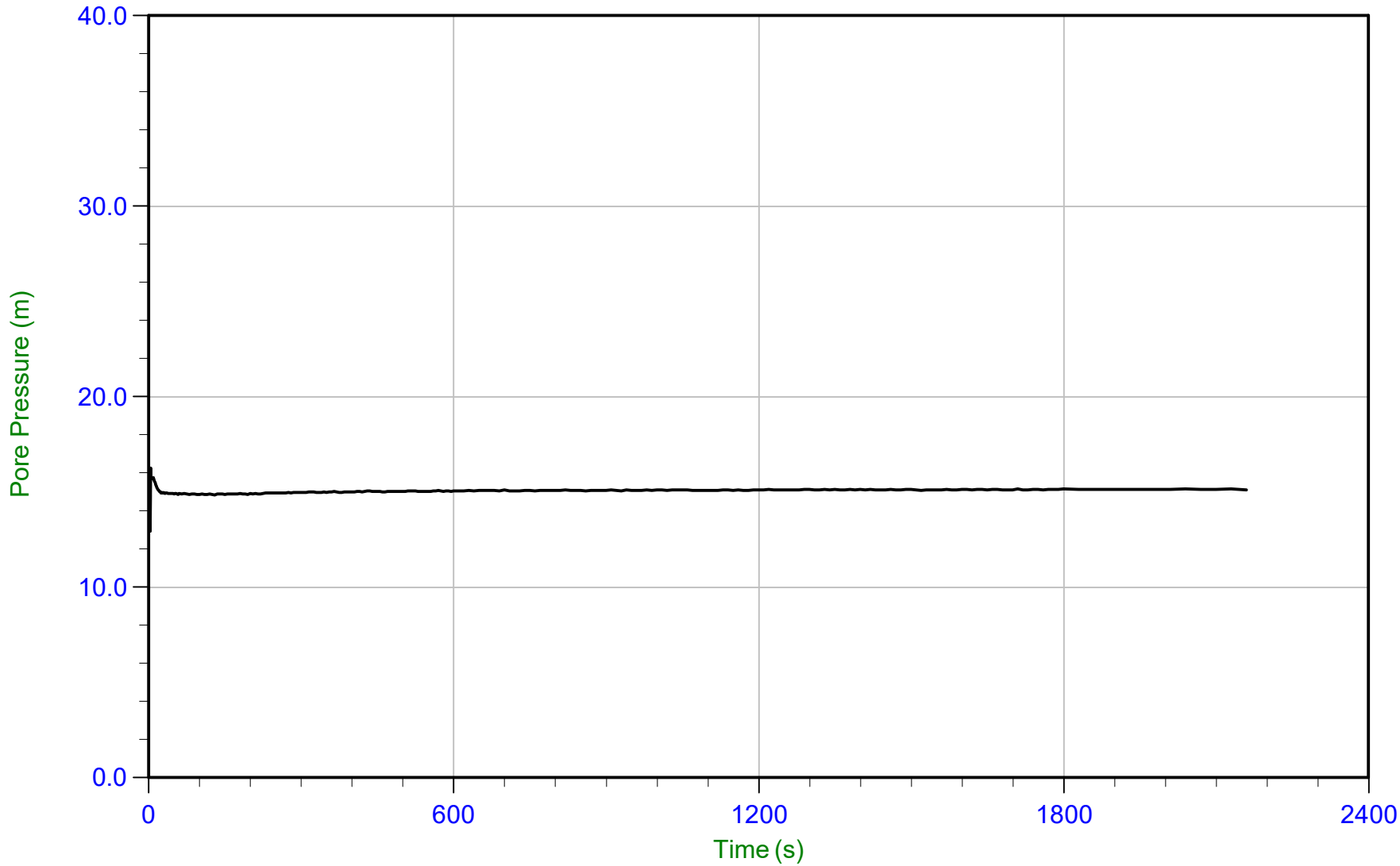
T(50): 1693.6 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/30/2022 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF04.PPF
Depth: 15.000 m / 49.212 ft
Duration: 2160.0 s

u Min: 13.0 m
u Max: 16.2 m
u Final: 15.1 m

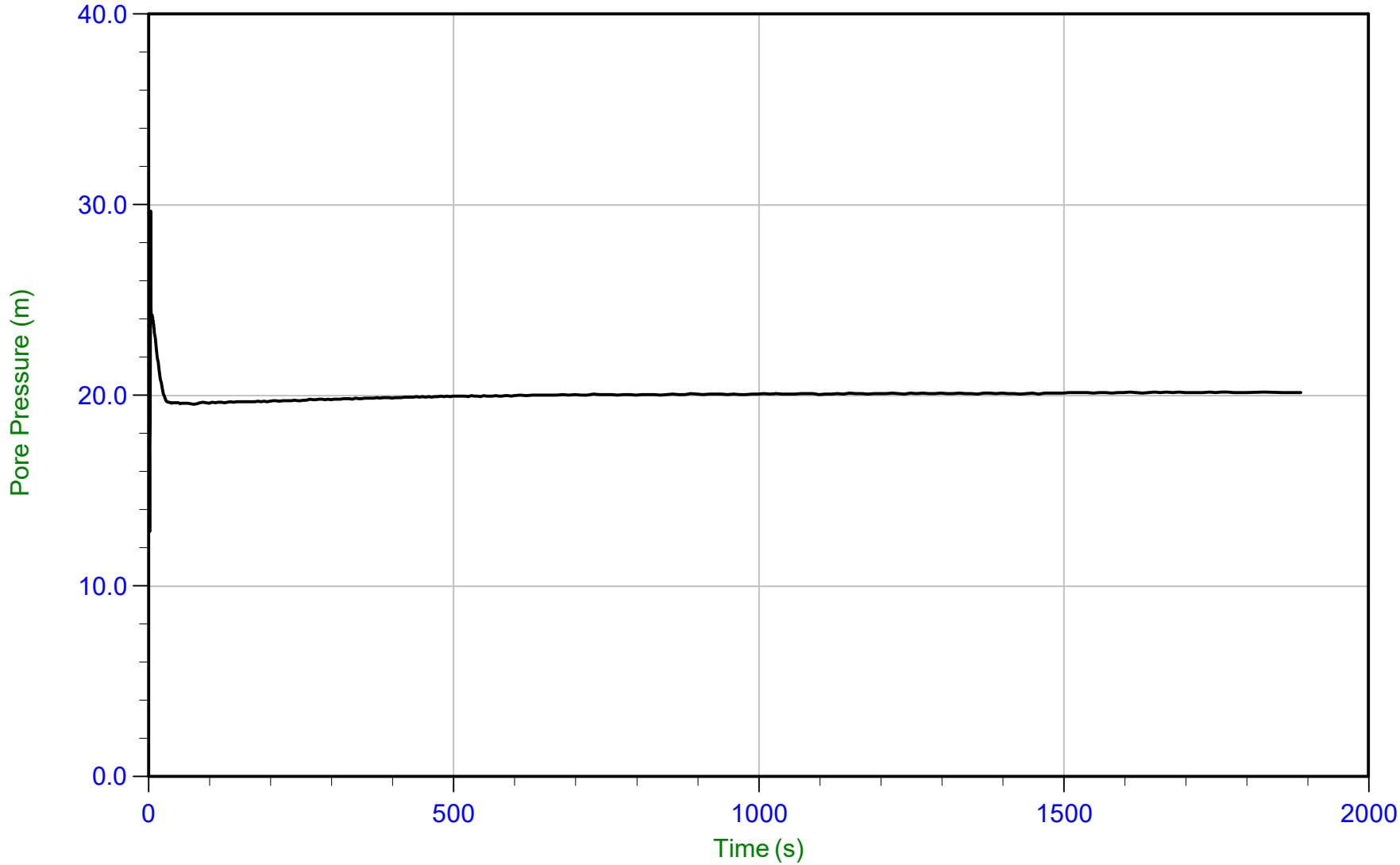
WT: -0.158 m / -0.518 ft
Ueq: 15.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/30/2022 05:46
Site: Crawford Mine

Sounding: SRK-TSF-CPT-04
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF04.PPF
Depth: 20.000 m / 65.616 ft
Duration: 1890.0 s

u Min: 12.9 m
u Max: 29.7 m
u Final: 20.1 m

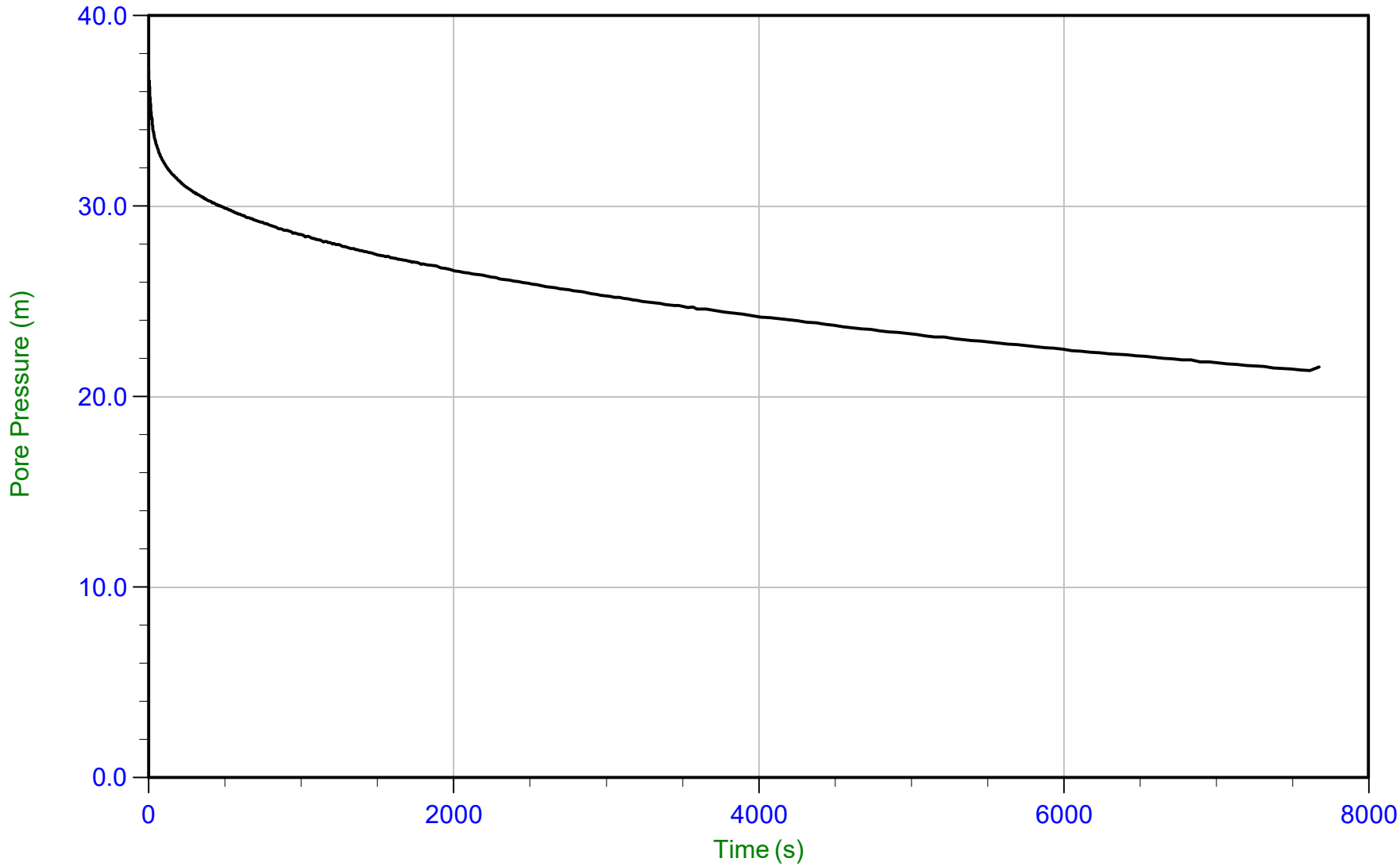
WT: -0.211 m / -0.692 ft
Ueq: 20.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/30/2021 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF06.PPF
Depth: 5.025 m / 16.486 ft
Duration: 7680.0 s

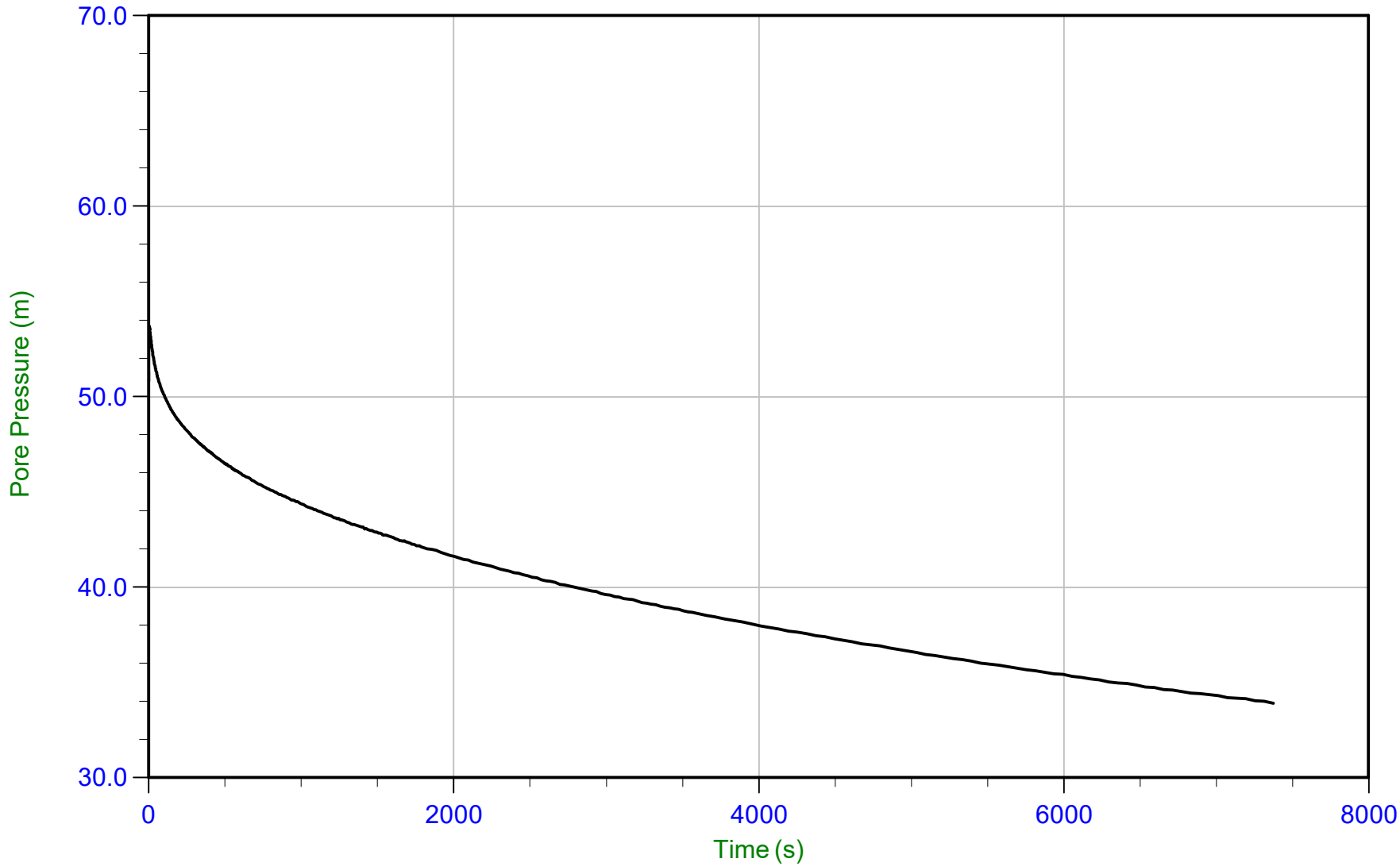
u Min: 21.4 m
u Max: 37.1 m
u Final: 21.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/30/2021 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF06.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7380.0 s

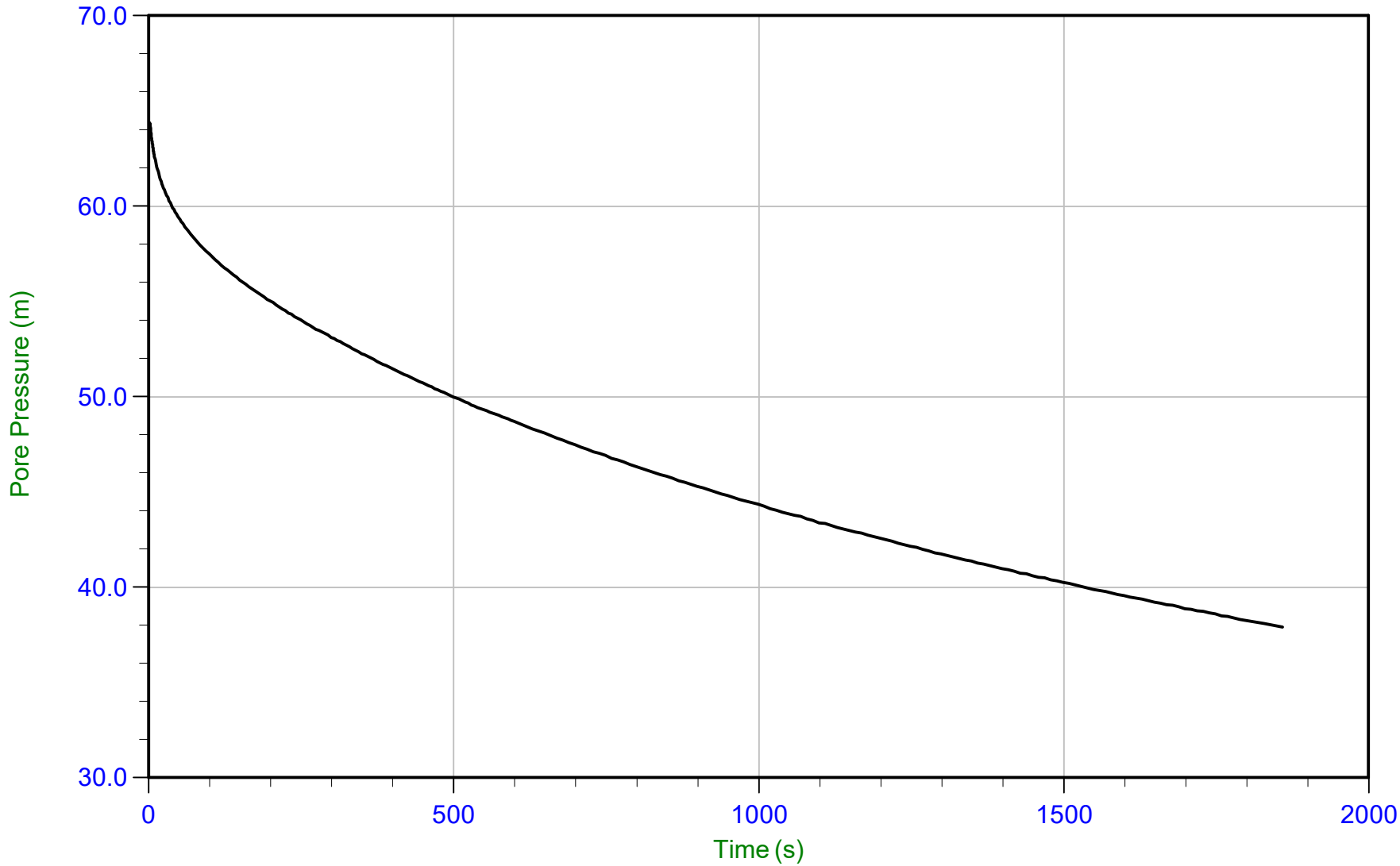
u Min: 33.9 m
u Max: 53.7 m
u Final: 33.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/30/2021 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF06.PPF
Depth: 15.000 m / 49.212 ft
Duration: 1860.0 s

u Min: 37.9 m
u Max: 64.4 m
u Final: 37.9 m

WT: 2.695 m / 8.842 ft
Ueq: 12.3 m
U(50): 38.34 m

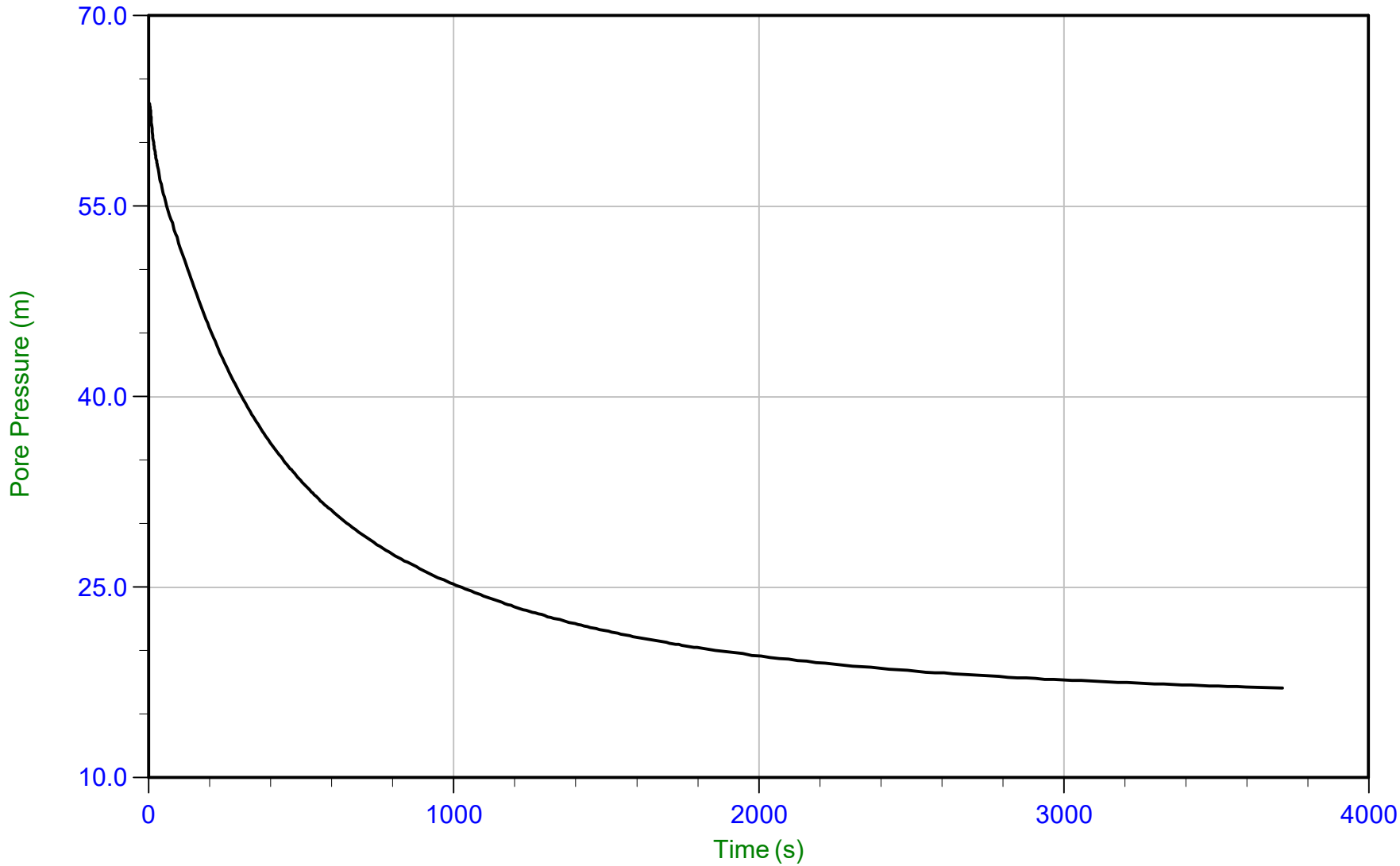
T(50): 1785.5 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/30/2021 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF06.PPF
Depth: 17.850 m / 58.562 ft
Duration: 3720.0 s

u Min: 17.0 m
u Max: 63.1 m
u Final: 17.0 m

WT: 2.695 m / 8.842 ft
Ueq: 15.2 m
U(50): 39.12 m

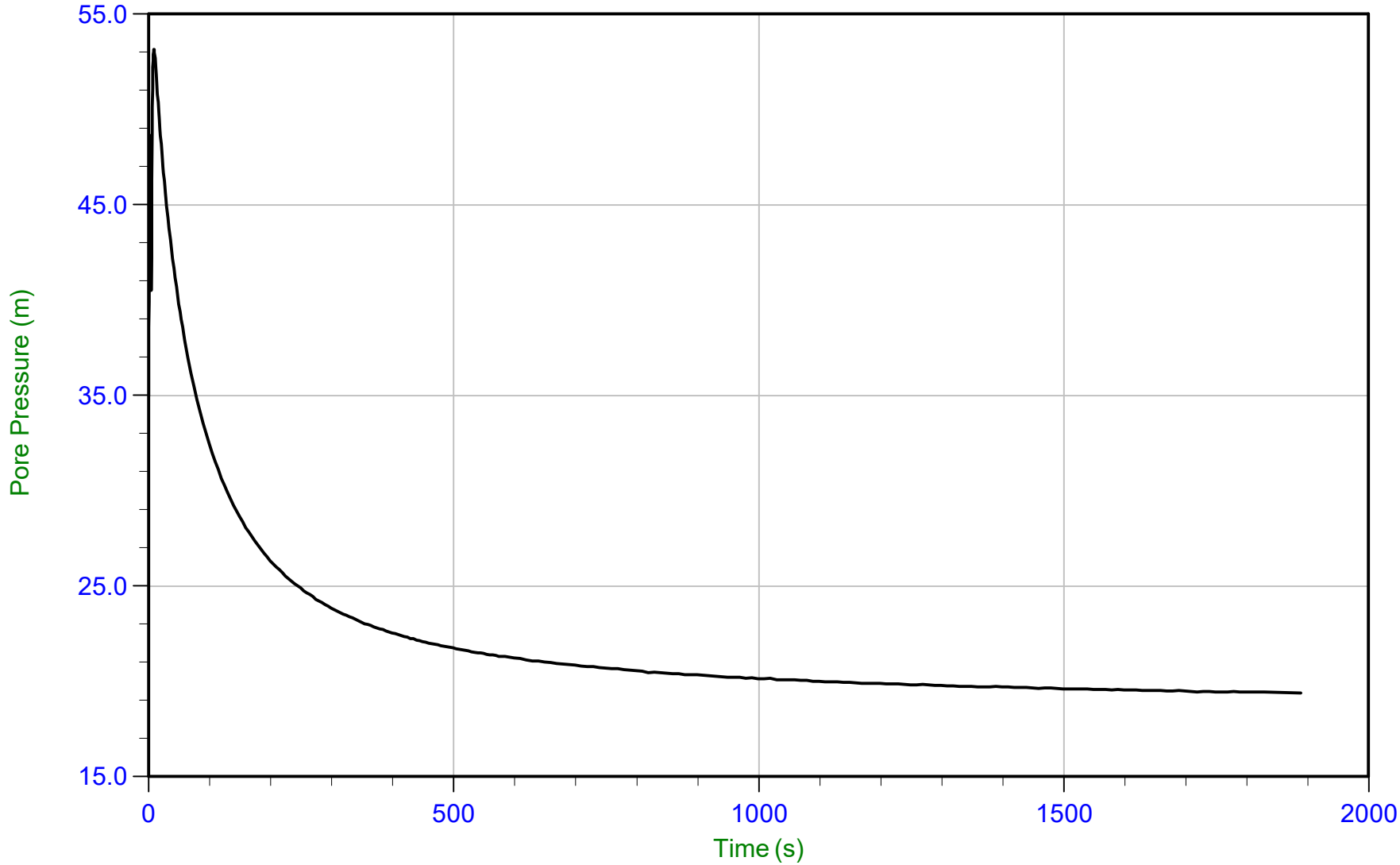
T(50): 324.1 s
Ir: 100
Ch: 2.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/30/2021 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF06.PPF
Depth: 20.975 m / 68.815 ft
Duration: 1890.0 s

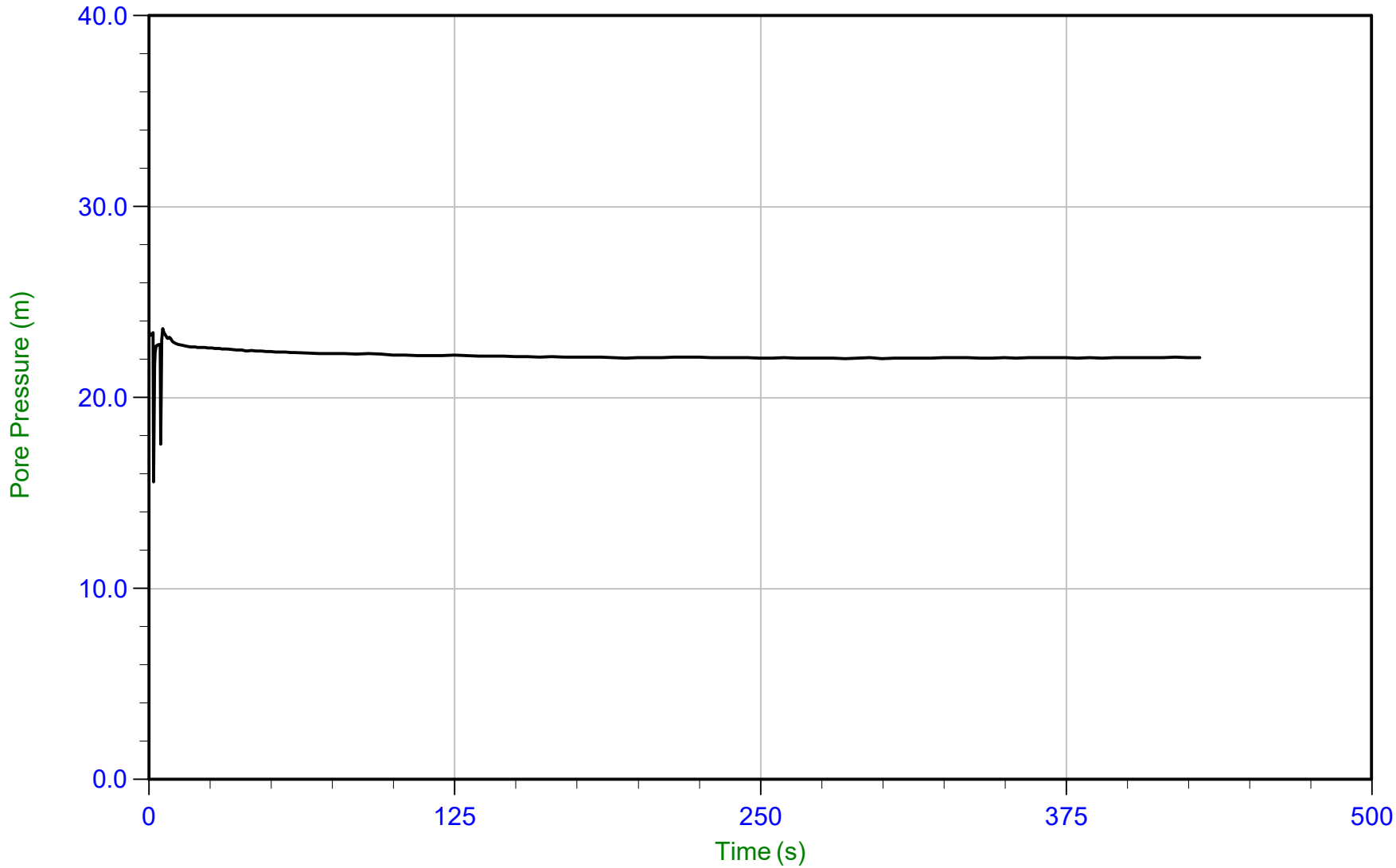
u Min: 19.4 m
u Max: 53.1 m
u Final: 19.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/30/2021 06:39
Site: Crawford Mine

Sounding: SRK-TSF-CPT-06
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF06.PPF
Depth: 24.800 m / 81.364 ft
Duration: 430.0 s

u Min: 15.6 m
u Max: 23.6 m
u Final: 22.1 m

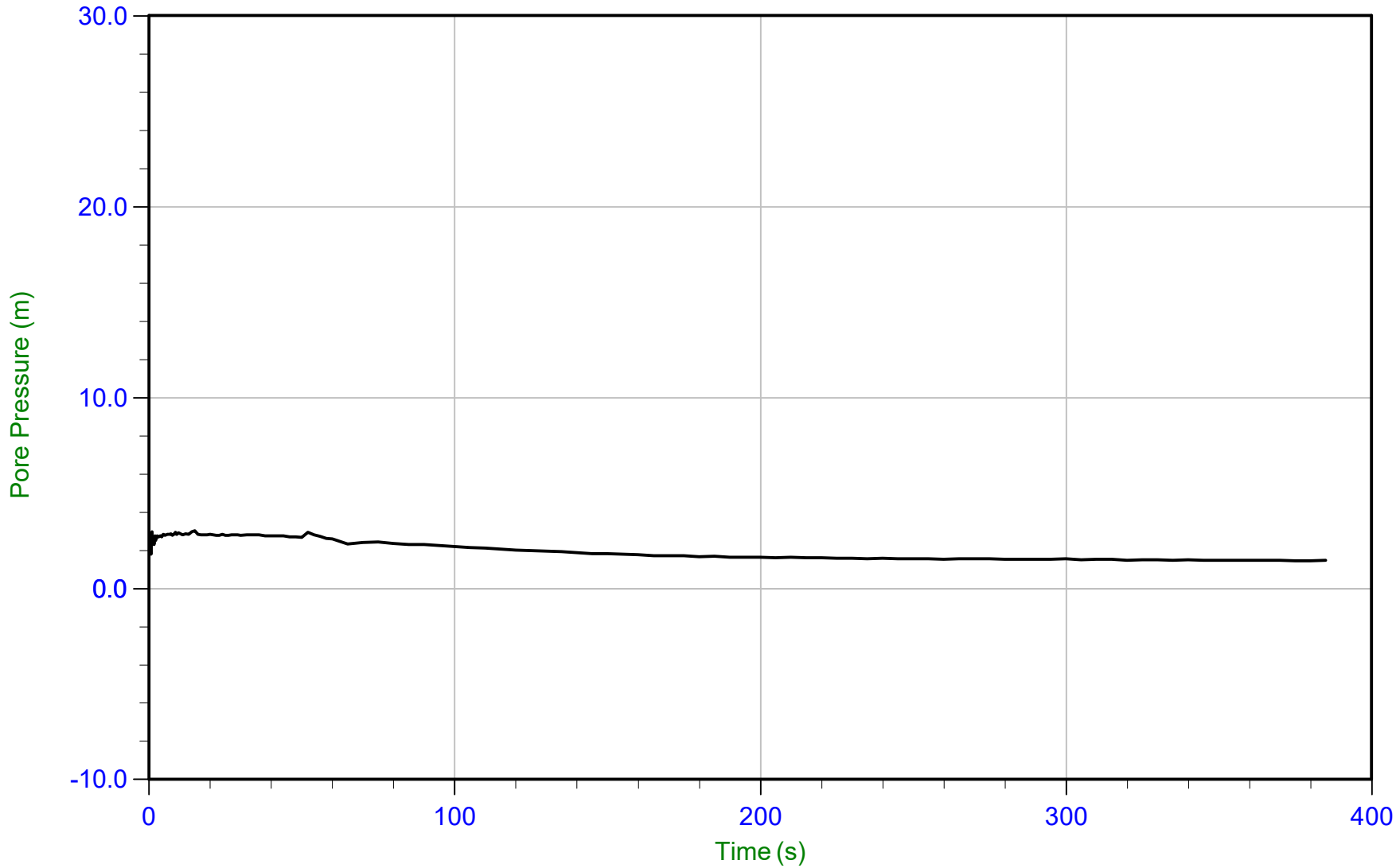
WT: 2.695 m / 8.842 ft
Ueq: 22.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/06/2021 05:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-07
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF07.PPF
Depth: 1.575 m / 5.167 ft
Duration: 385.0 s

u Min: 1.5 m
u Max: 3.0 m
u Final: 1.5 m

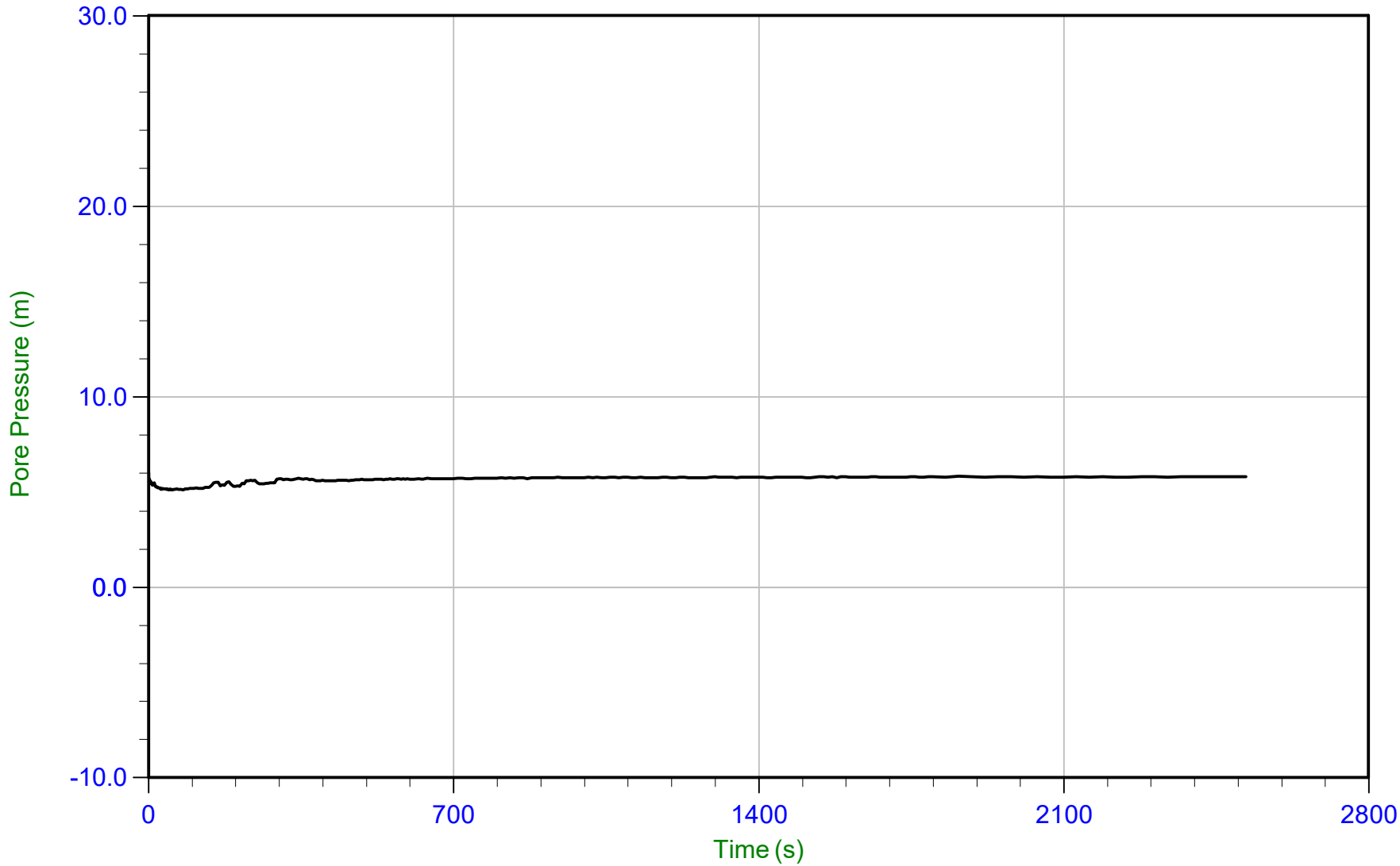
WT: 0.207 m / 0.679 ft
Ueq: 1.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/06/2021 05:25
Site: Crawford Mine

Sounding: SRK-TSF-CPT-07
Cone: 742:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF07.PPF
Depth: 5.975 m / 19.603 ft
Duration: 2520.0 s

u Min: 5.1 m
u Max: 6.0 m
u Final: 5.8 m

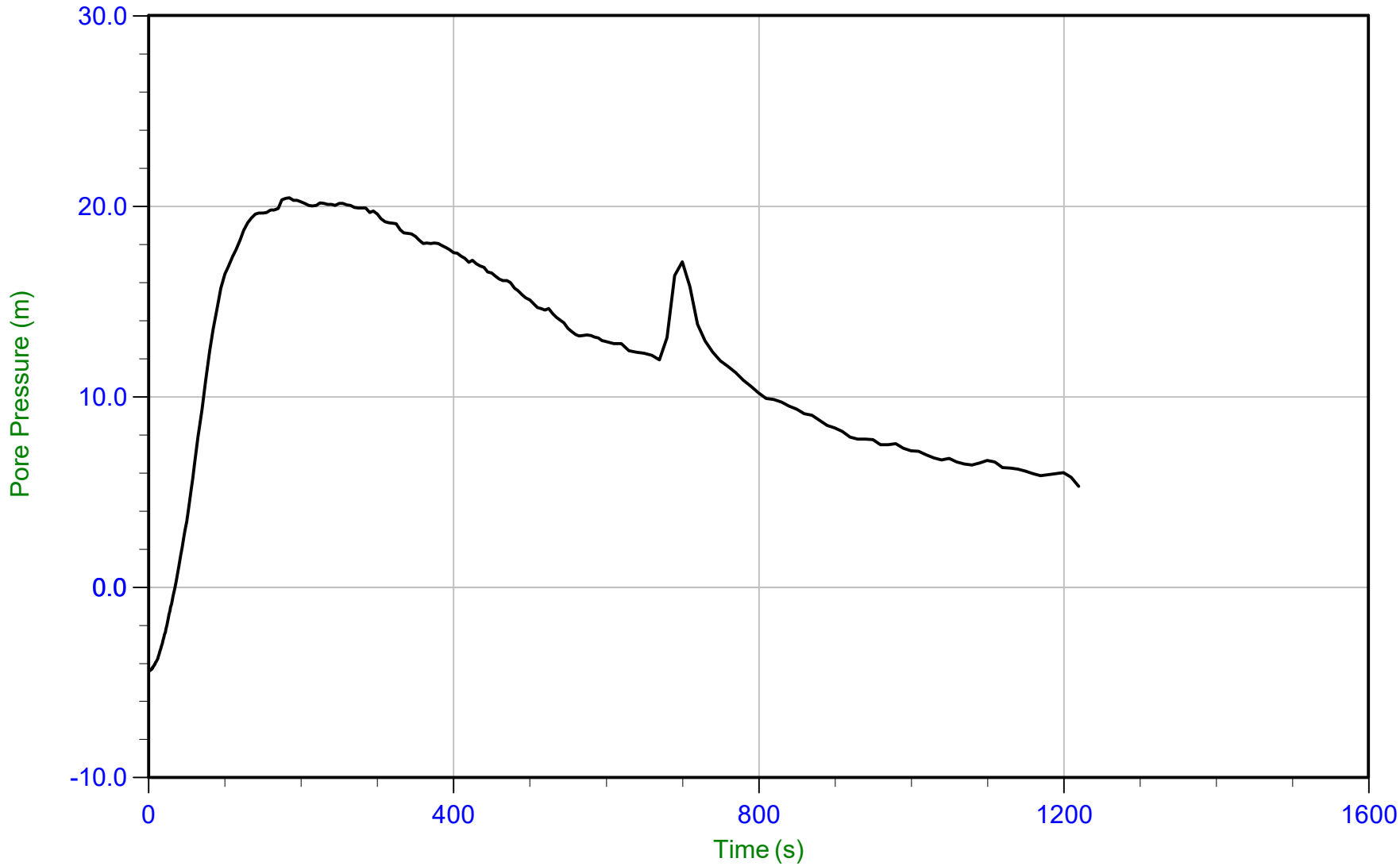
WT: 0.186 m / 0.610 ft
Ueq: 5.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/24/2021 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF08.PPF
Depth: 1.275 m / 4.183 ft
Duration: 1220.0 s

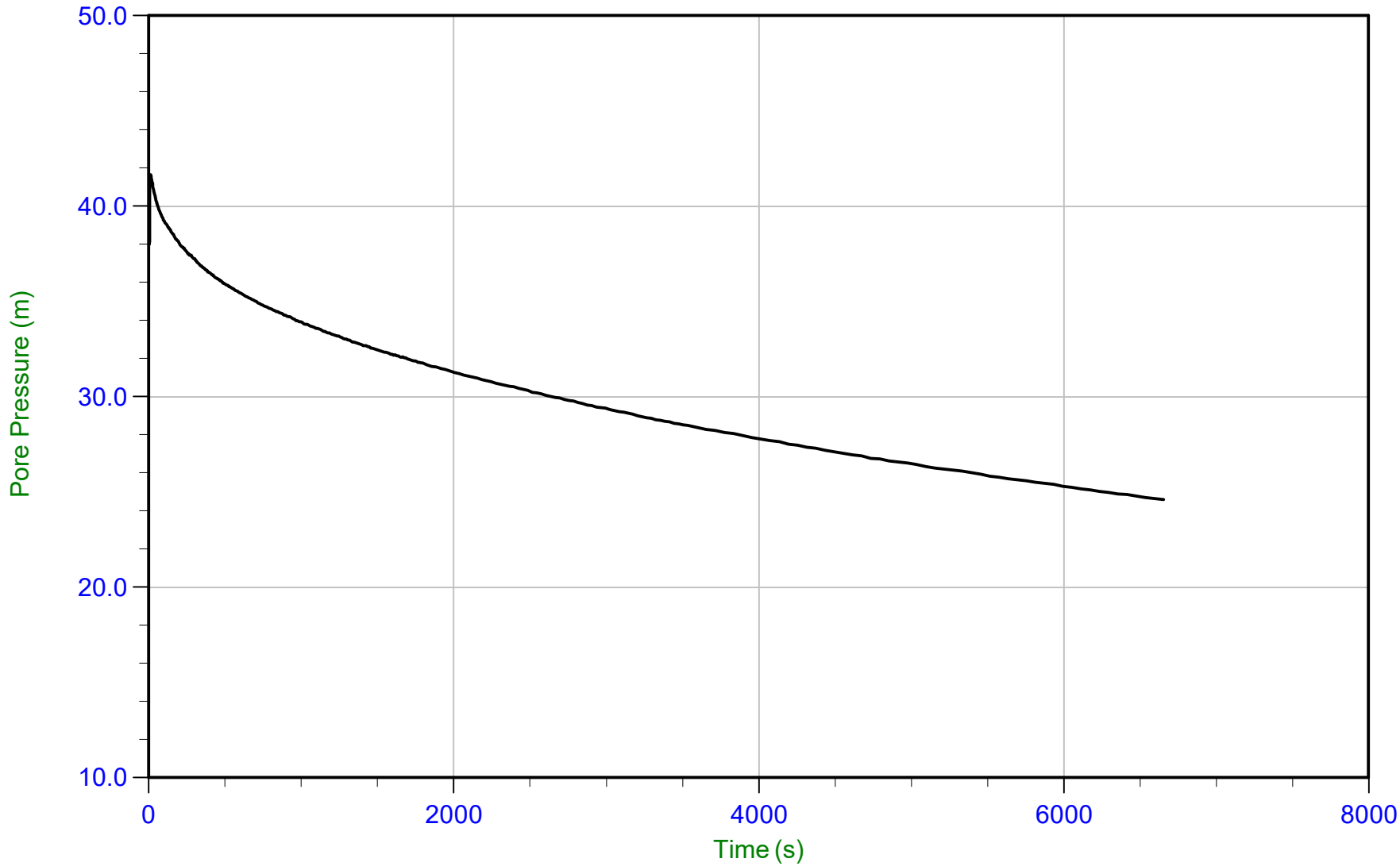
u Min: -4.4 m
u Max: 20.4 m
u Final: 5.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/24/2021 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF08.PPF
Depth: 5.000 m / 16.404 ft
Duration: 6660.0 s

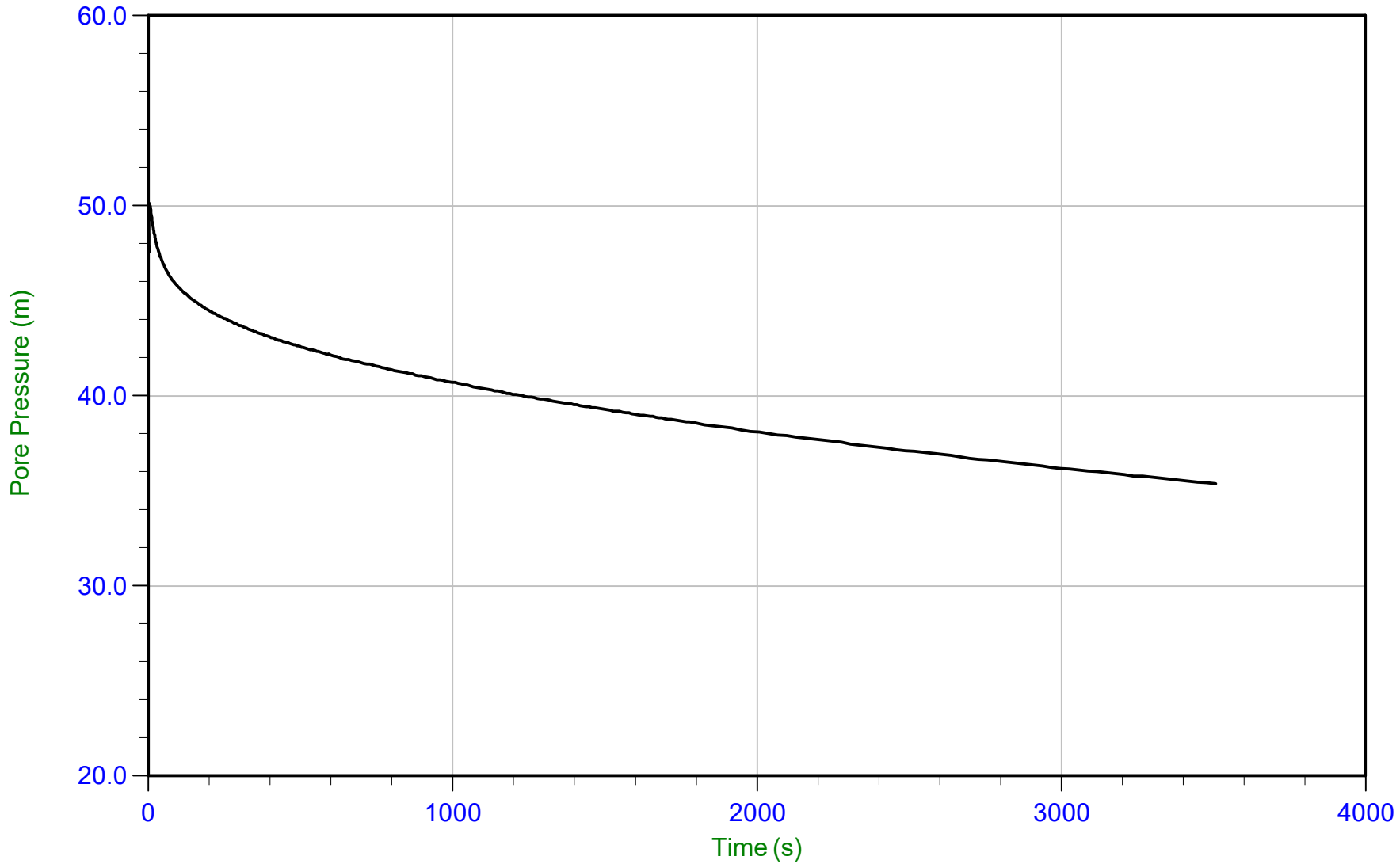
u Min: 24.6 m
u Max: 41.6 m
u Final: 24.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/24/2021 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF08.PPF
Depth: 11.000 m / 36.089 ft
Duration: 3510.0 s

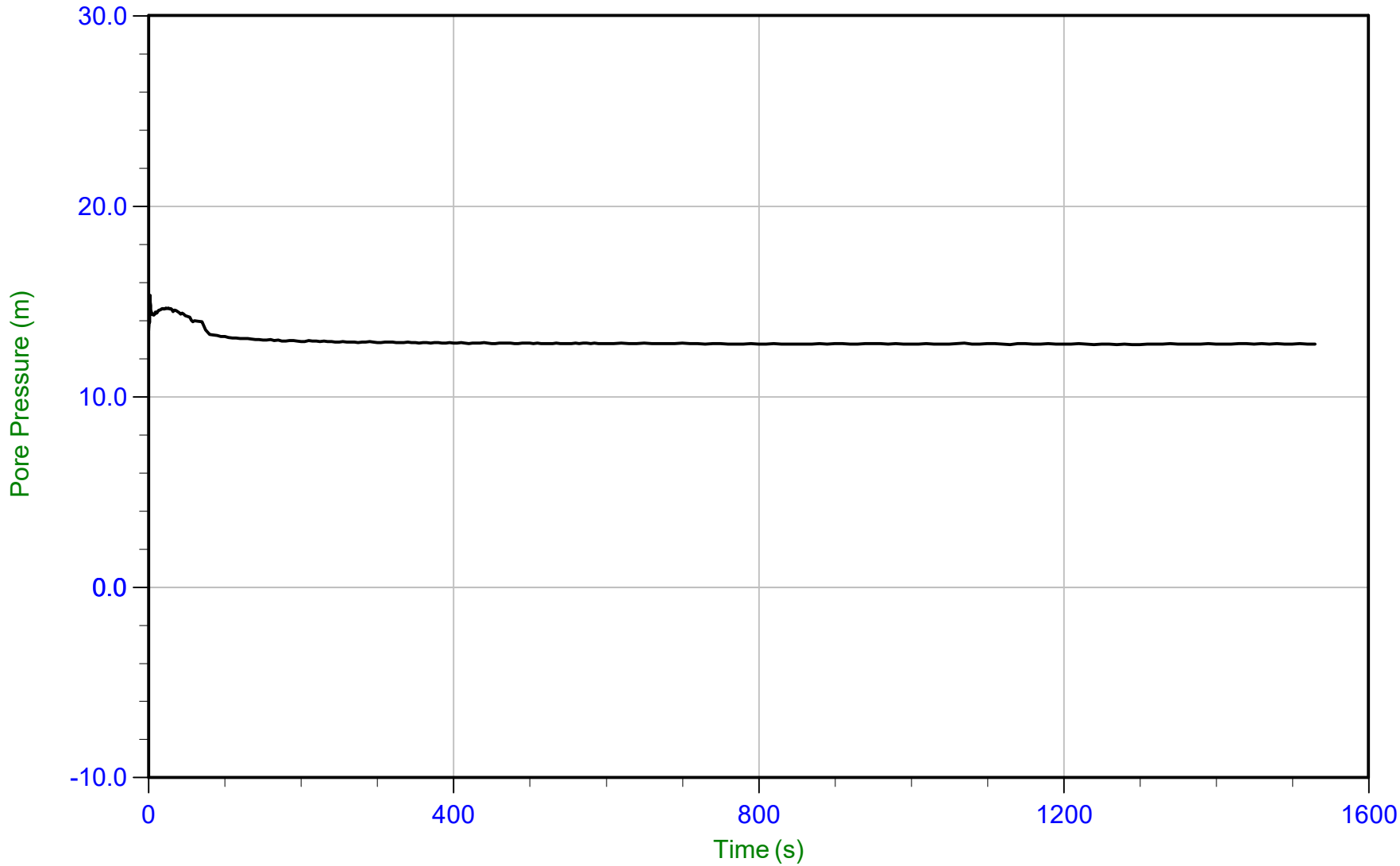
u Min: 35.4 m
u Max: 50.1 m
u Final: 35.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/24/2021 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF08.PPF
Depth: 15.000 m / 49.212 ft
Duration: 1530.0 s

u Min: 12.7 m
u Max: 15.3 m
u Final: 12.8 m

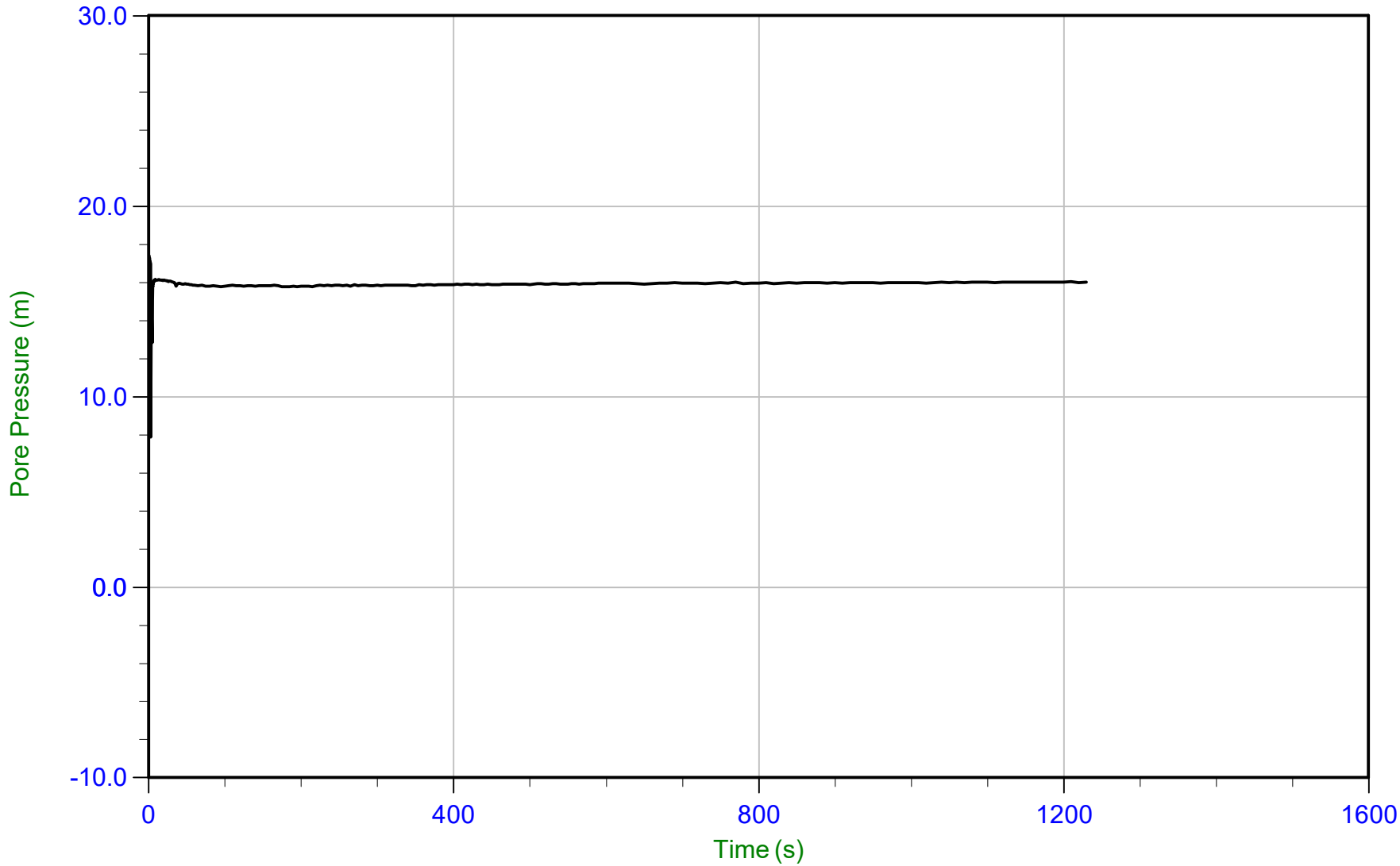
WT: 2.158 m / 7.080 ft
Ueq: 12.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/24/2021 07:34
Site: Crawford Mine

Sounding: SRK-TSF-CPT-08
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF08.PPF
Depth: 18.300 m / 60.039 ft
Duration: 1230.0 s

u Min: 7.9 m
u Max: 17.4 m
u Final: 16.0 m

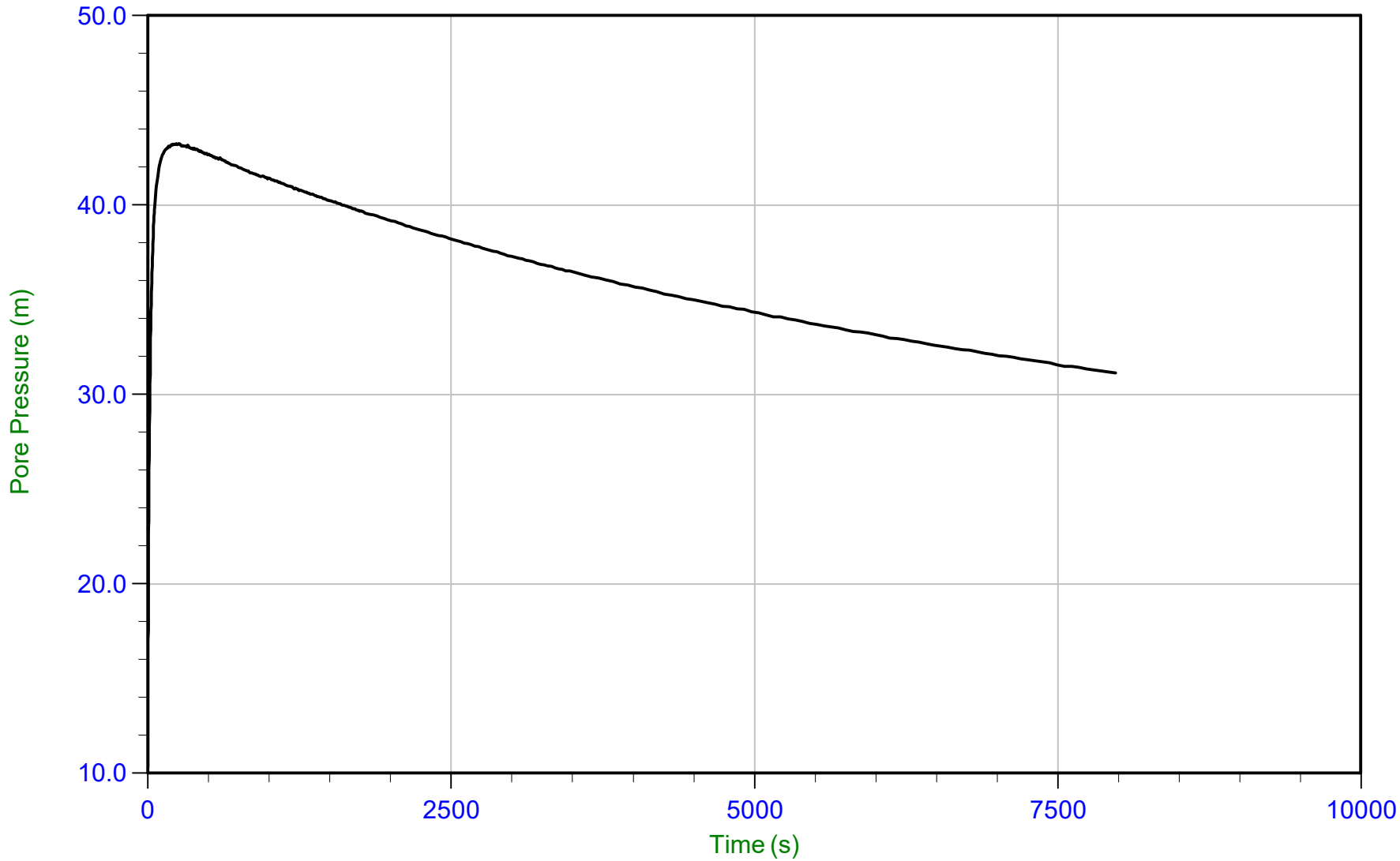
WT: 2.195 m / 7.201 ft
Ueq: 16.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/05/2022 06:51
Site: Crawford Mine

Sounding: SRK-TSF-CPT-09
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF09.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7979.9 s

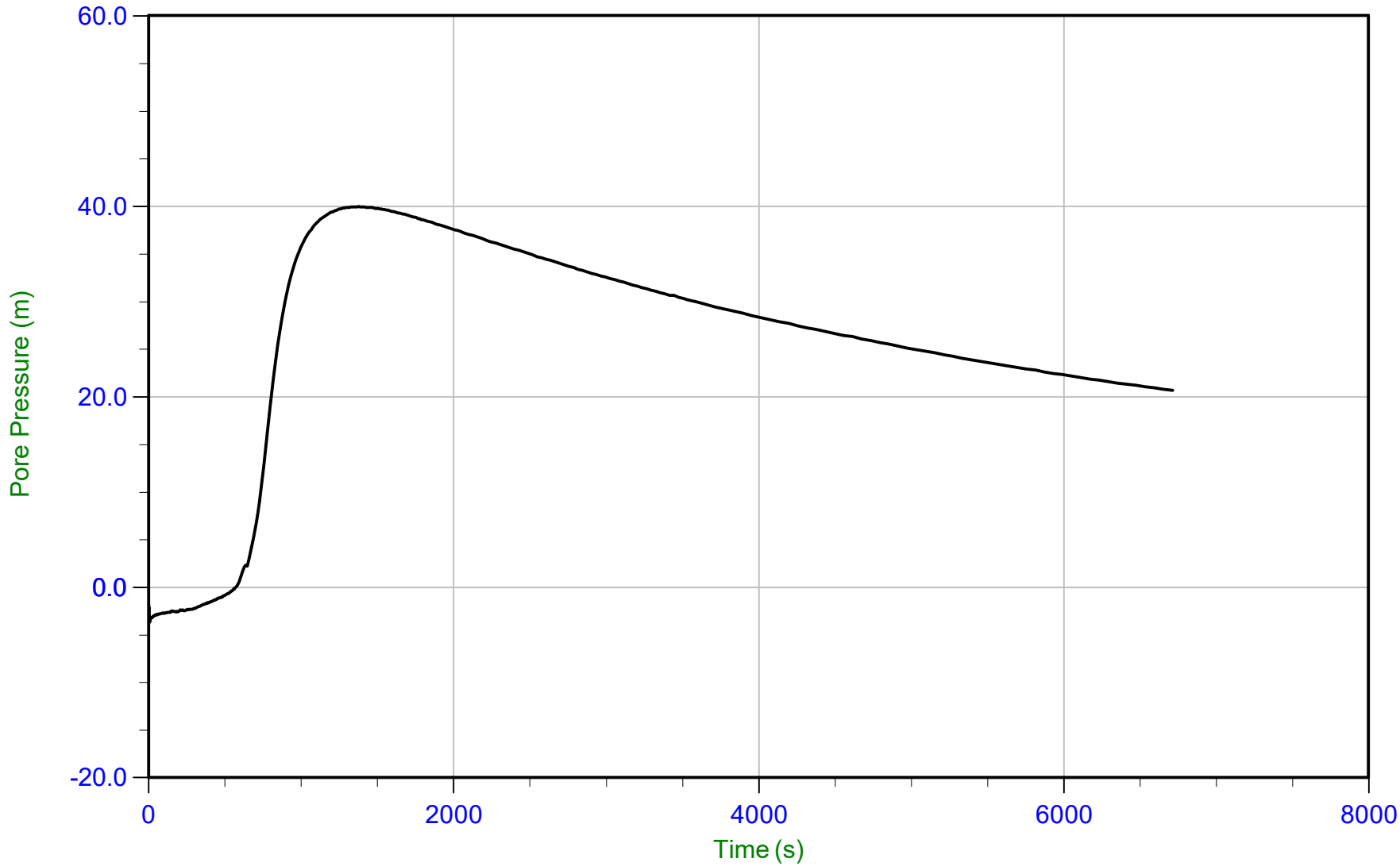
u Min: 10.3 m
u Max: 45.5 m
u Final: 31.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/05/2022 06:51
Site: Crawford Mine

Sounding: SRK-TSF-CPT-09
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF09.PPF
Depth: 9.400 m / 30.840 ft
Duration: 6719.9 s

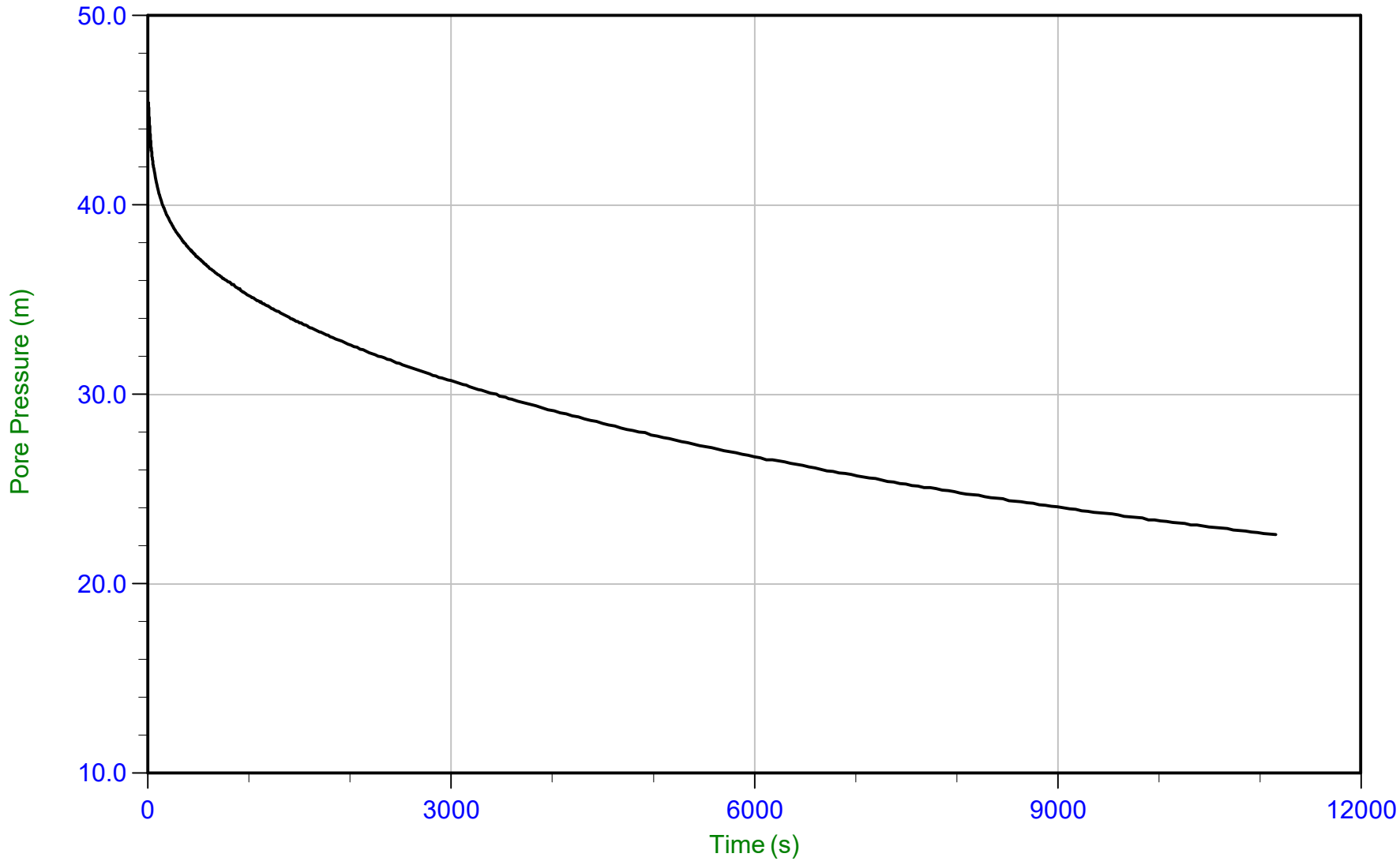
u Min: -3.7 m
u Max: 39.9 m
u Final: 20.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/22/2022 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF10.PPF
Depth: 5.025 m / 16.486 ft
Duration: 11160.0 s

u Min: 22.6 m
u Max: 45.4 m
u Final: 22.6 m

WT: 2.474 m / 8.117 ft
Ueq: 2.6 m
U(50): 23.97 m

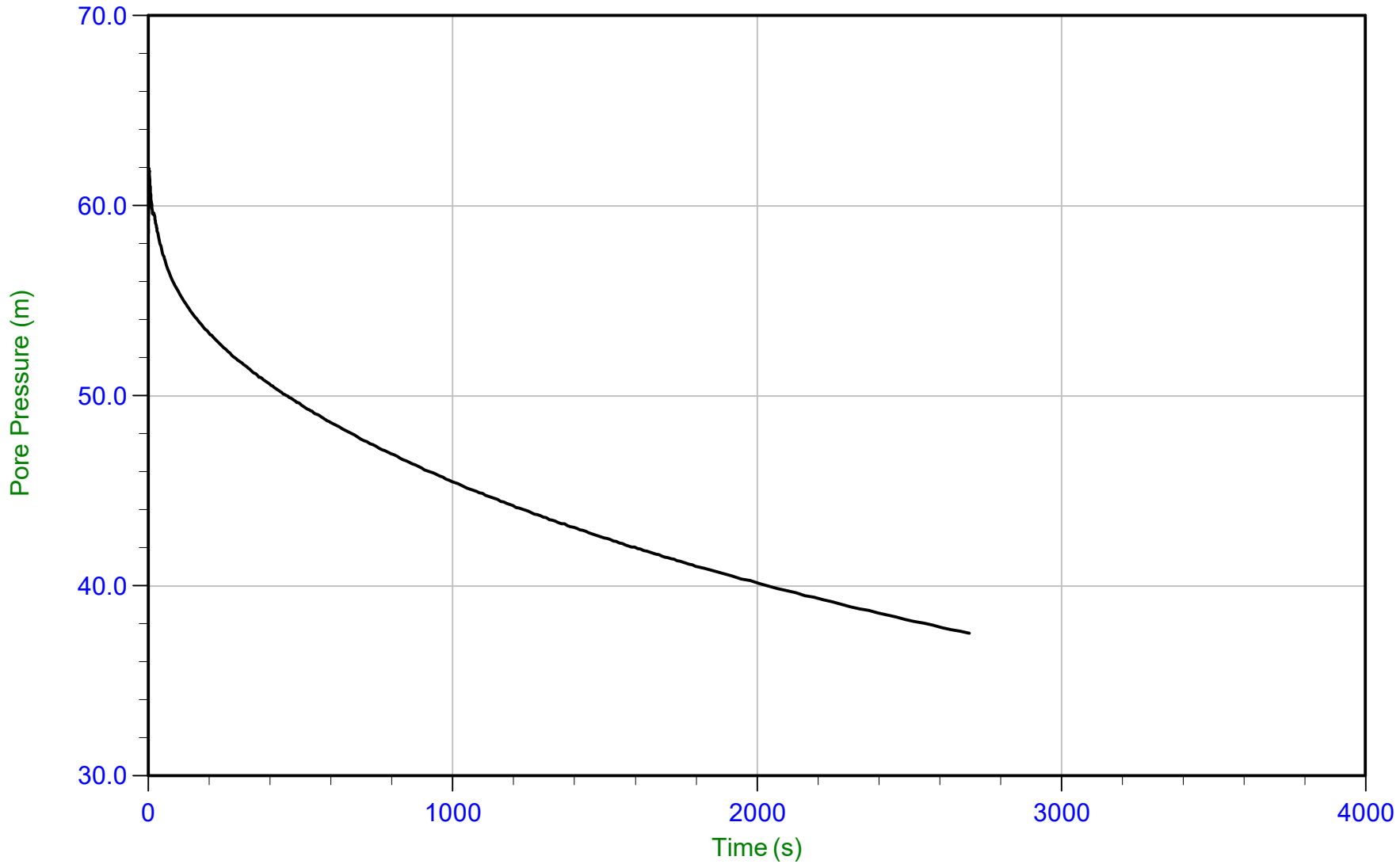
T(50): 9095.0 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/22/2022 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF10.PPF
Depth: 10.000 m / 32.808 ft
Duration: 2700.0 s

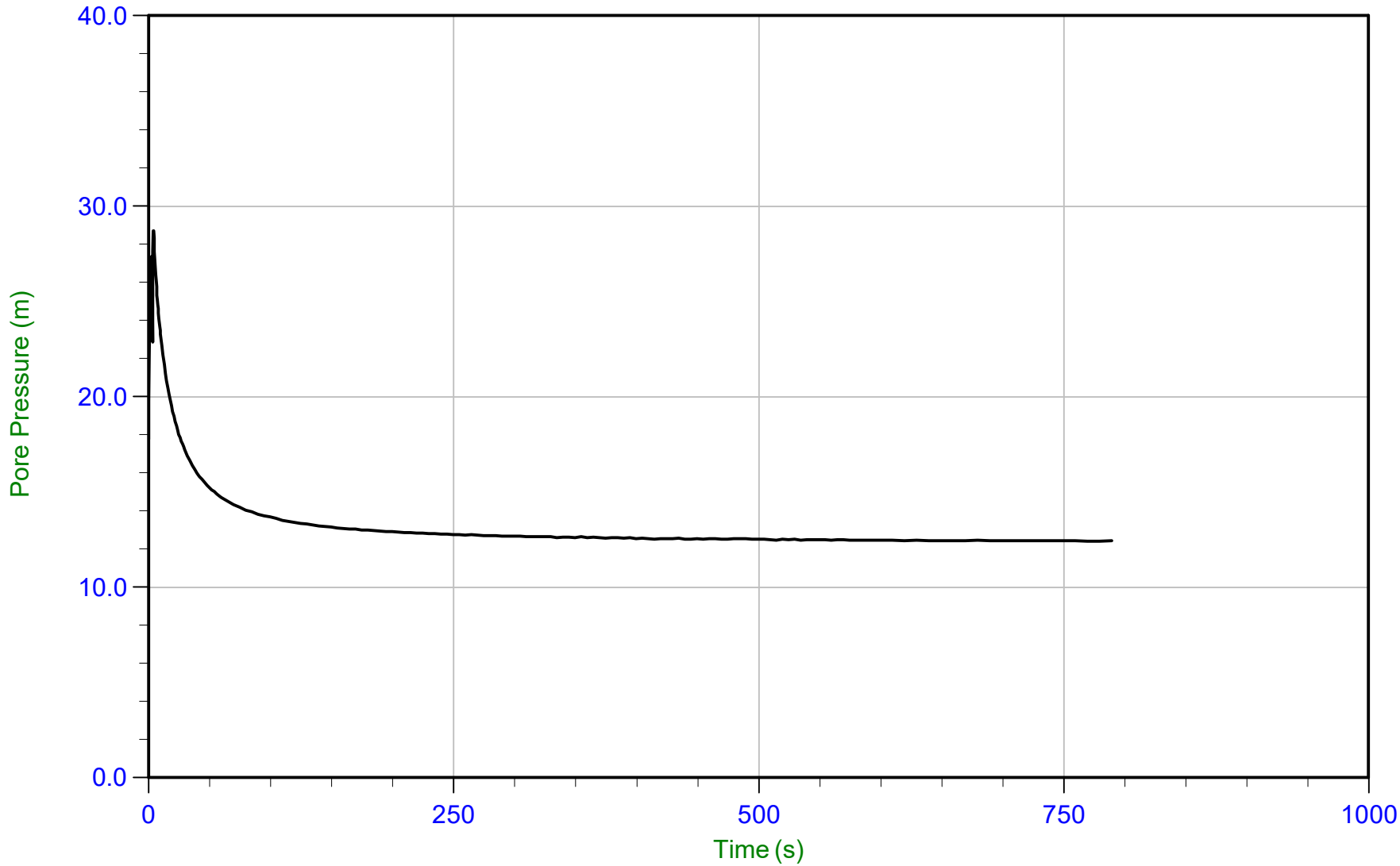
u Min: 37.5 m
u Max: 62.0 m
u Final: 37.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/22/2022 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF10.PPF
Depth: 15.000 m / 49.212 ft
Duration: 790.0 s

u Min: 12.4 m
u Max: 28.7 m
u Final: 12.4 m

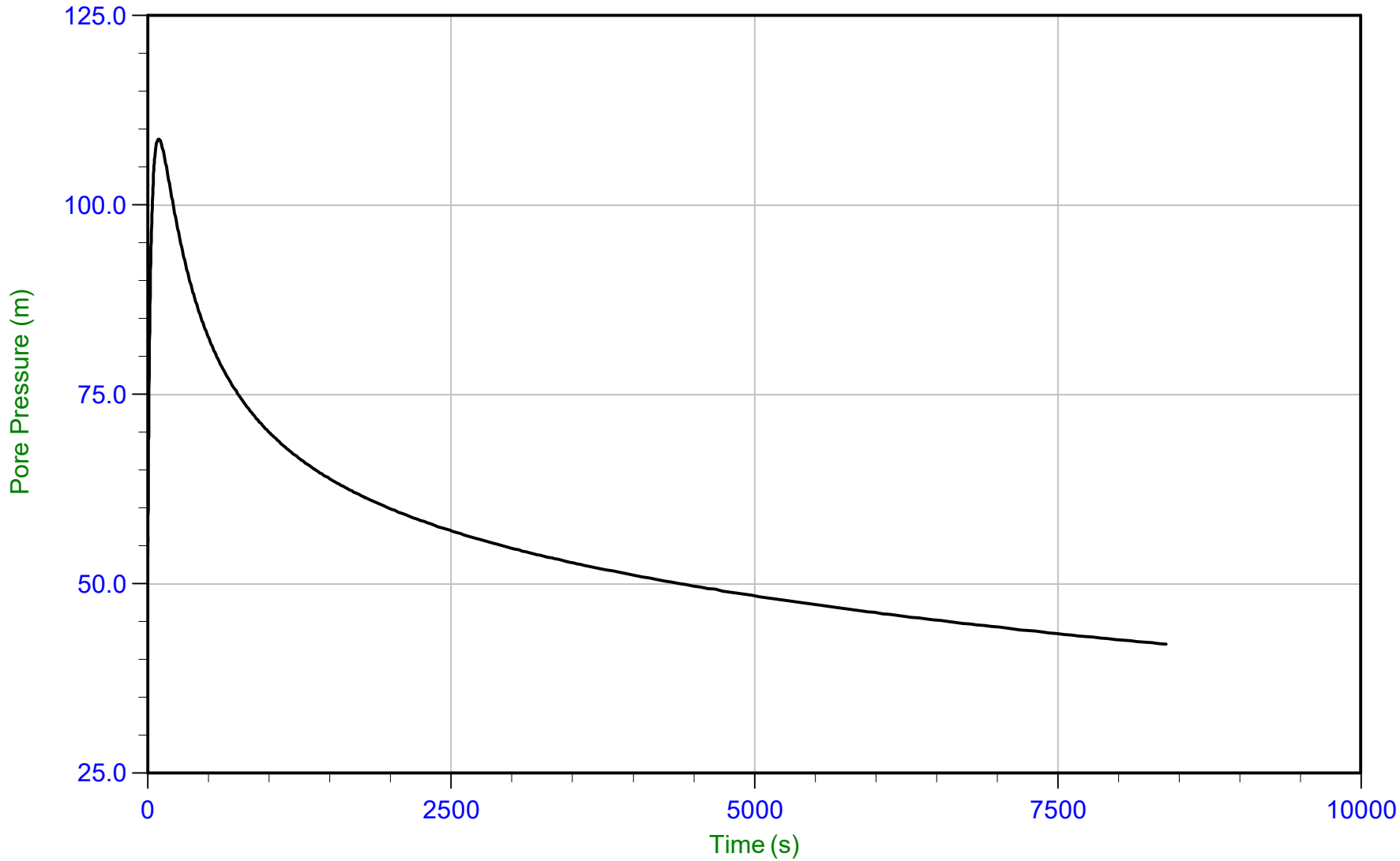
WT: 2.474 m / 8.117 ft
Ueq: 12.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/22/2022 10:33
Site: Crawford Mine

Sounding: SRK-TSF-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF10.PPF
Depth: 18.925 m / 62.089 ft
Duration: 8400.0 s

u Min: 42.1 m
u Max: 108.7 m
u Final: 42.1 m

WT: 2.474 m / 8.117 ft
Ueq: 16.5 m
U(50): 62.56 m

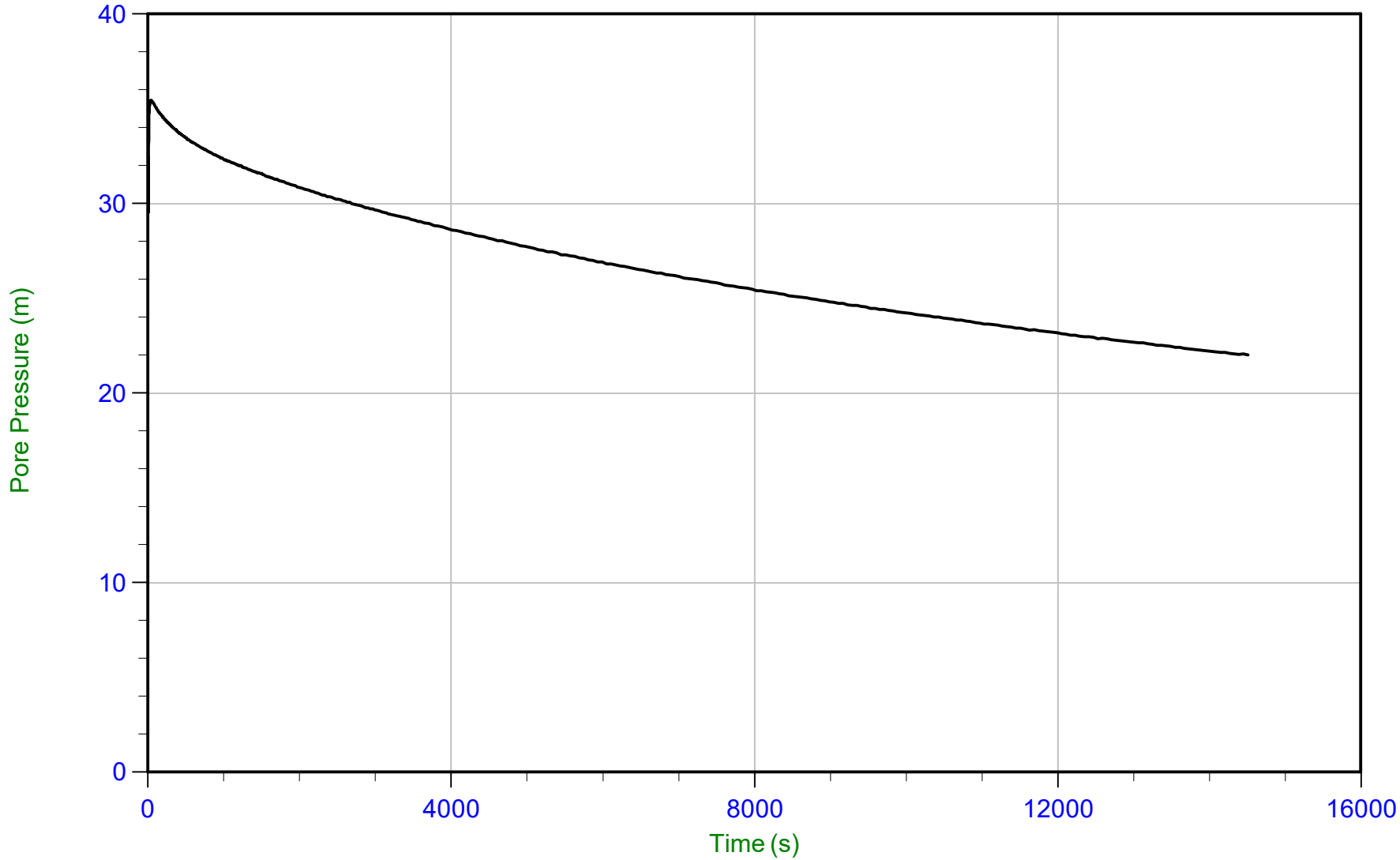
T(50): 1554.9 s
Ir: 100
Ch: 0.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/14/2022 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF11.PPF
Depth: 5.000 m / 16.404 ft
Duration: 14519.6 s

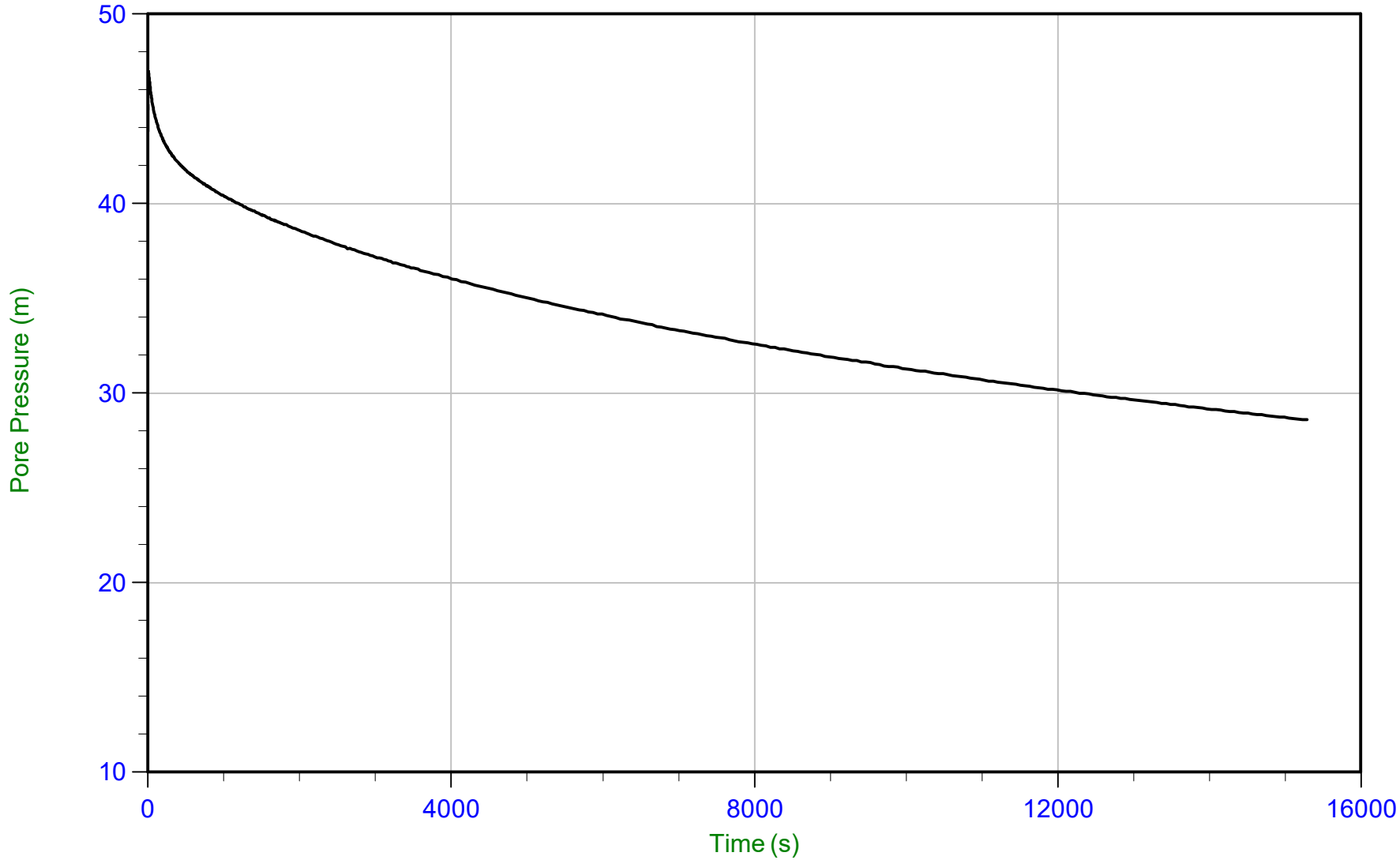
u Min: 22.0 m
u Max: 35.5 m
u Final: 22.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/14/2022 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF11.PPF
Depth: 10.000 m / 32.808 ft
Duration: 15299.9 s

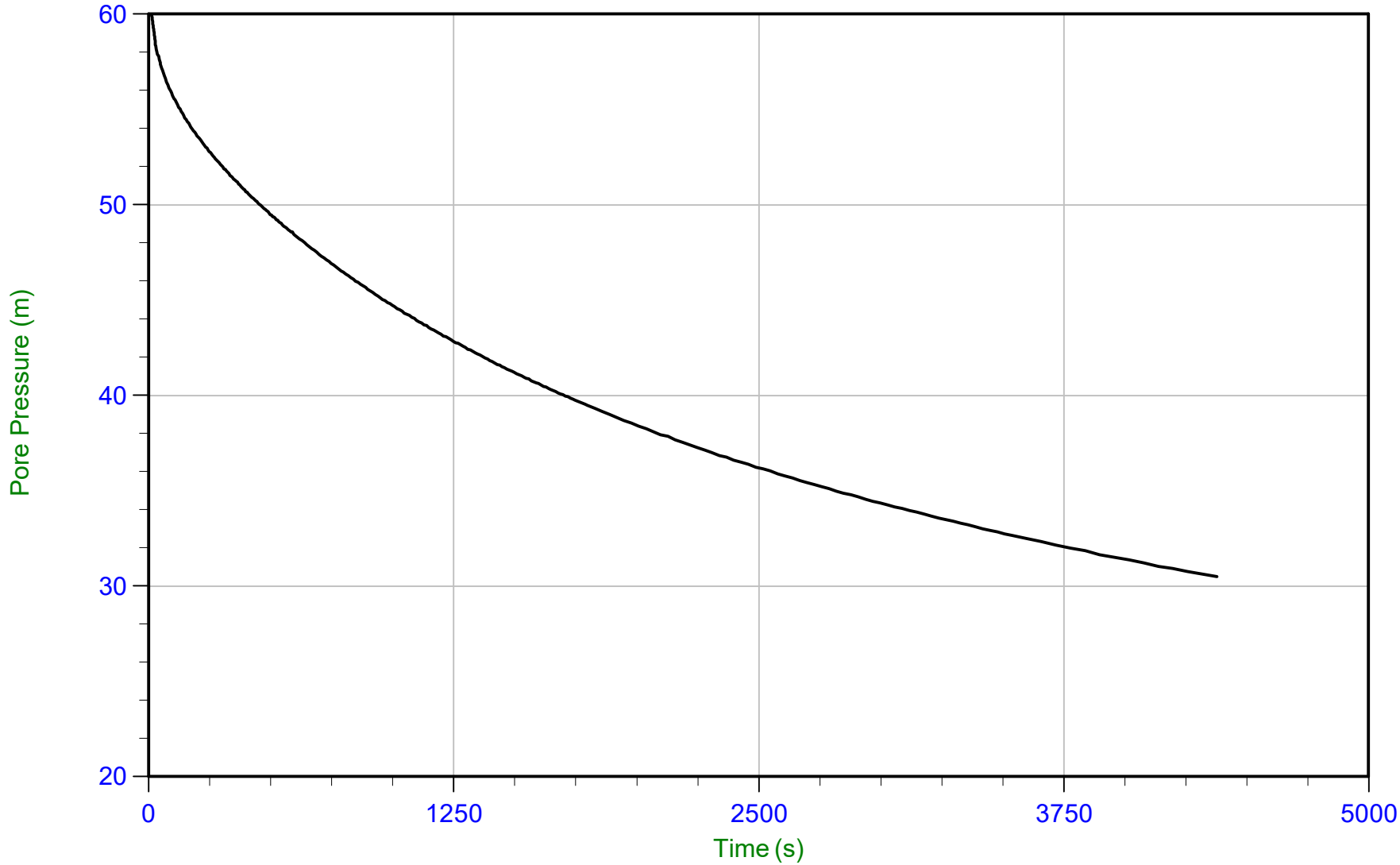
u Min: 28.6 m
u Max: 47.0 m
u Final: 28.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/14/2022 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF11.PPF
Depth: 15.000 m / 49.212 ft
Duration: 4380.0 s

u Min: 30.5 m
u Max: 62.8 m
u Final: 30.5 m

WT: 1.053 m / 3.455 ft
Ueq: 13.9 m
U(50): 38.38 m

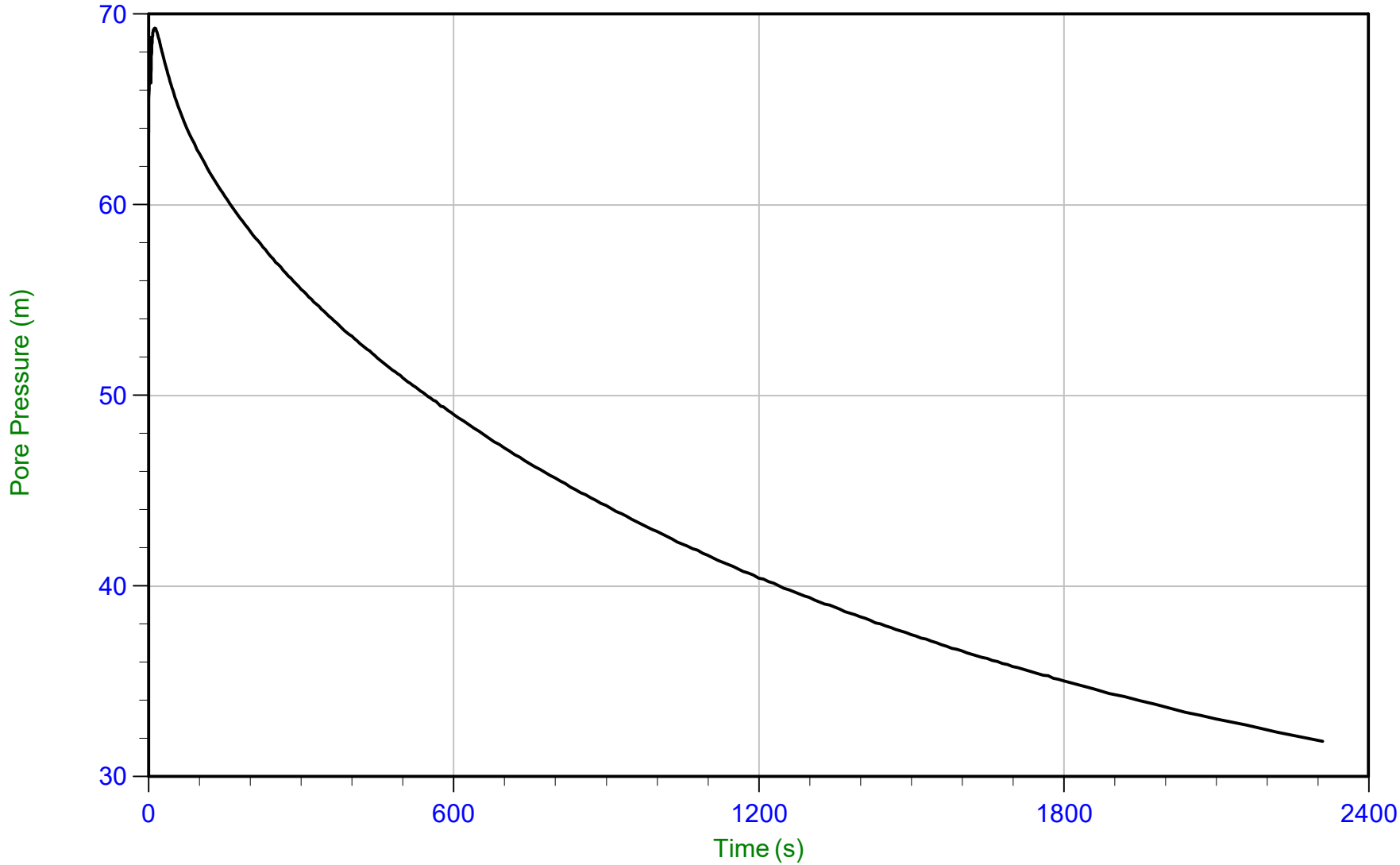
T(50): 2008.8 s
Ir: 100
Ch: 0.3 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/14/2022 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF11.PPF
Depth: 20.000 m / 65.616 ft
Duration: 2310.0 s

u Min: 31.9 m
u Max: 69.3 m
u Final: 31.9 m

WT: 1.053 m / 3.455 ft
Ueq: 18.9 m
U(50): 44.10 m

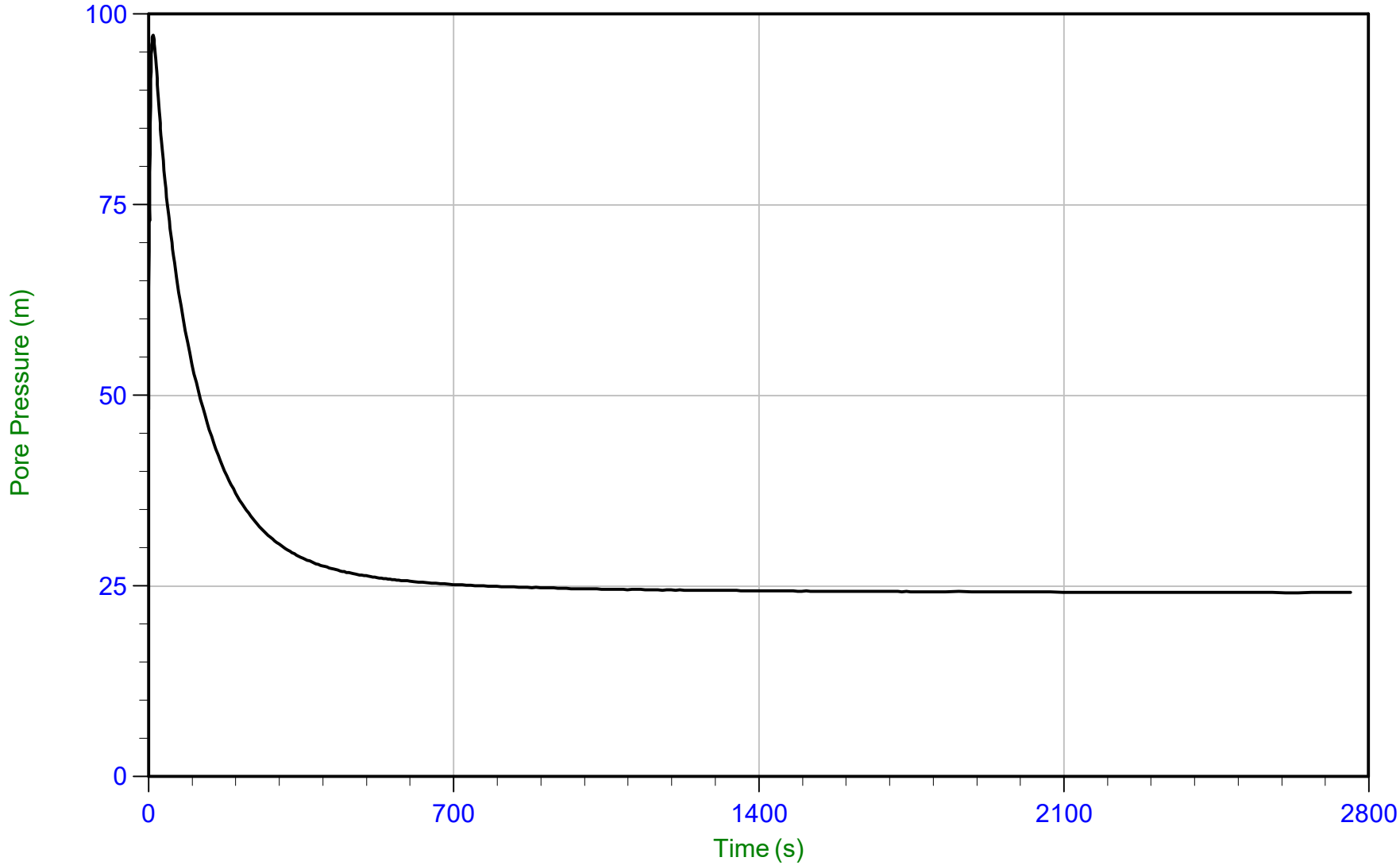
T(50): 895.2 s
Ir: 100
Ch: 0.8 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/14/2022 09:05
Site: Crawford Mine

Sounding: SRK-TSF-CPT-11
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF11.PPF
Depth: 25.000 m / 82.020 ft
Duration: 2760.0 s

u Min: 24.1 m
u Max: 97.2 m
u Final: 24.1 m

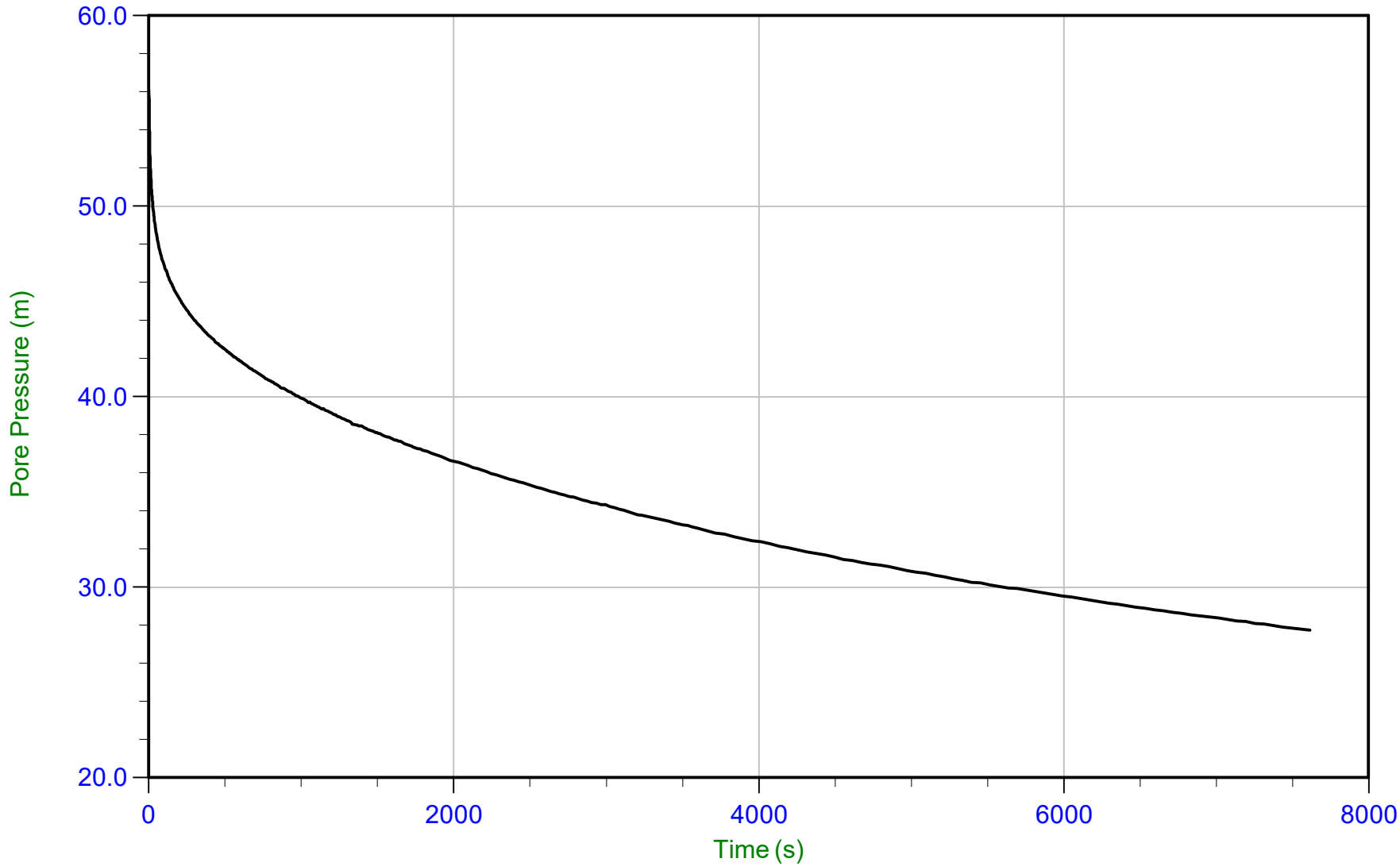
WT: 1.053 m / 3.455 ft
Ueq: 23.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/24/2022 22:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-13
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF13.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7620.0 s

u Min: 27.7 m
u Max: 56.1 m
u Final: 27.7 m

WT: 0.100 m / 0.328 ft
Ueq: 4.9 m
U(50): 30.52 m

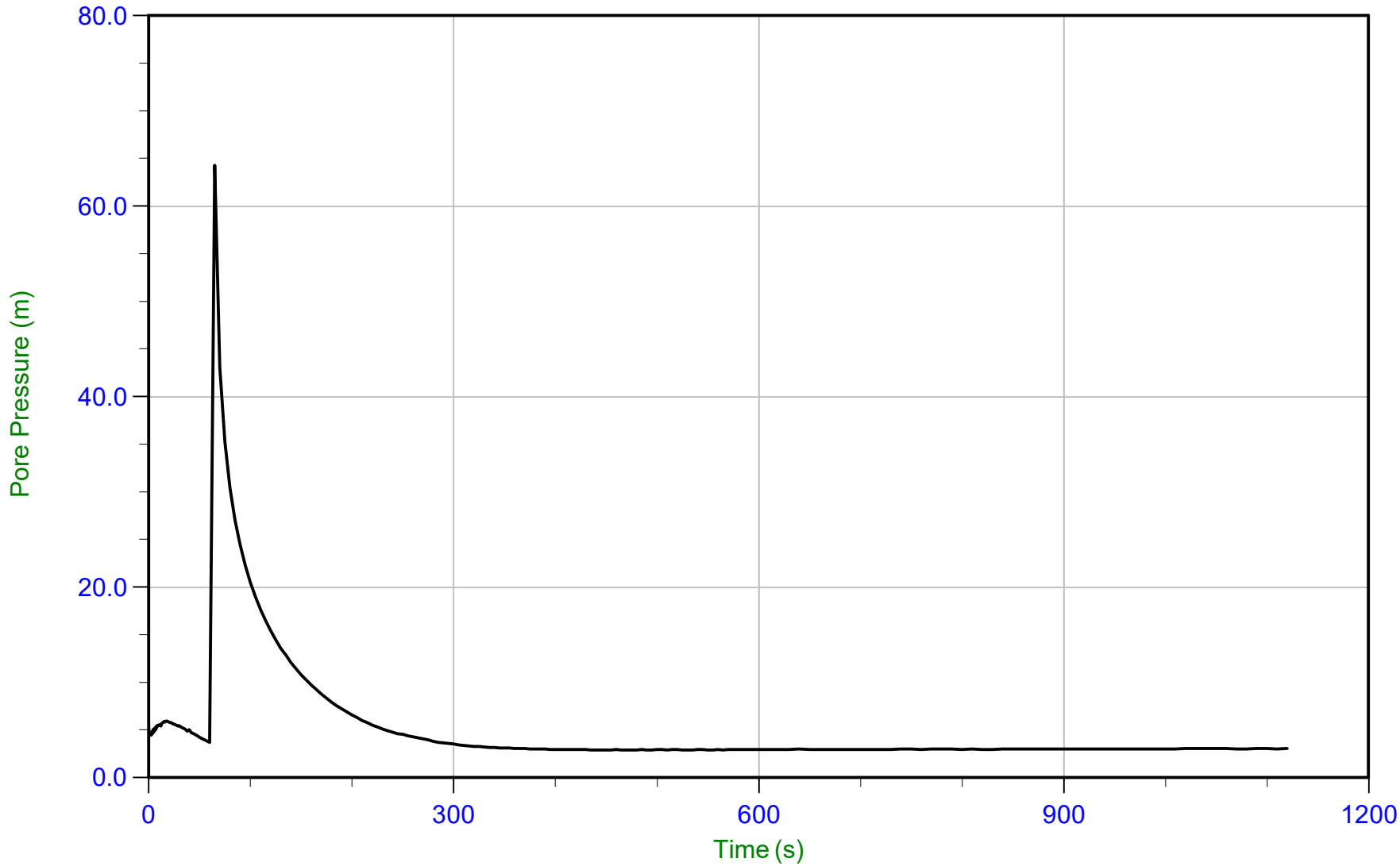
T(50): 5231.5 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/24/2022 22:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-13
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF13.PPF
Depth: 8.150 m / 26.739 ft
Duration: 1120.0 s

u Min: 2.9 m
u Max: 64.3 m
u Final: 3.0 m

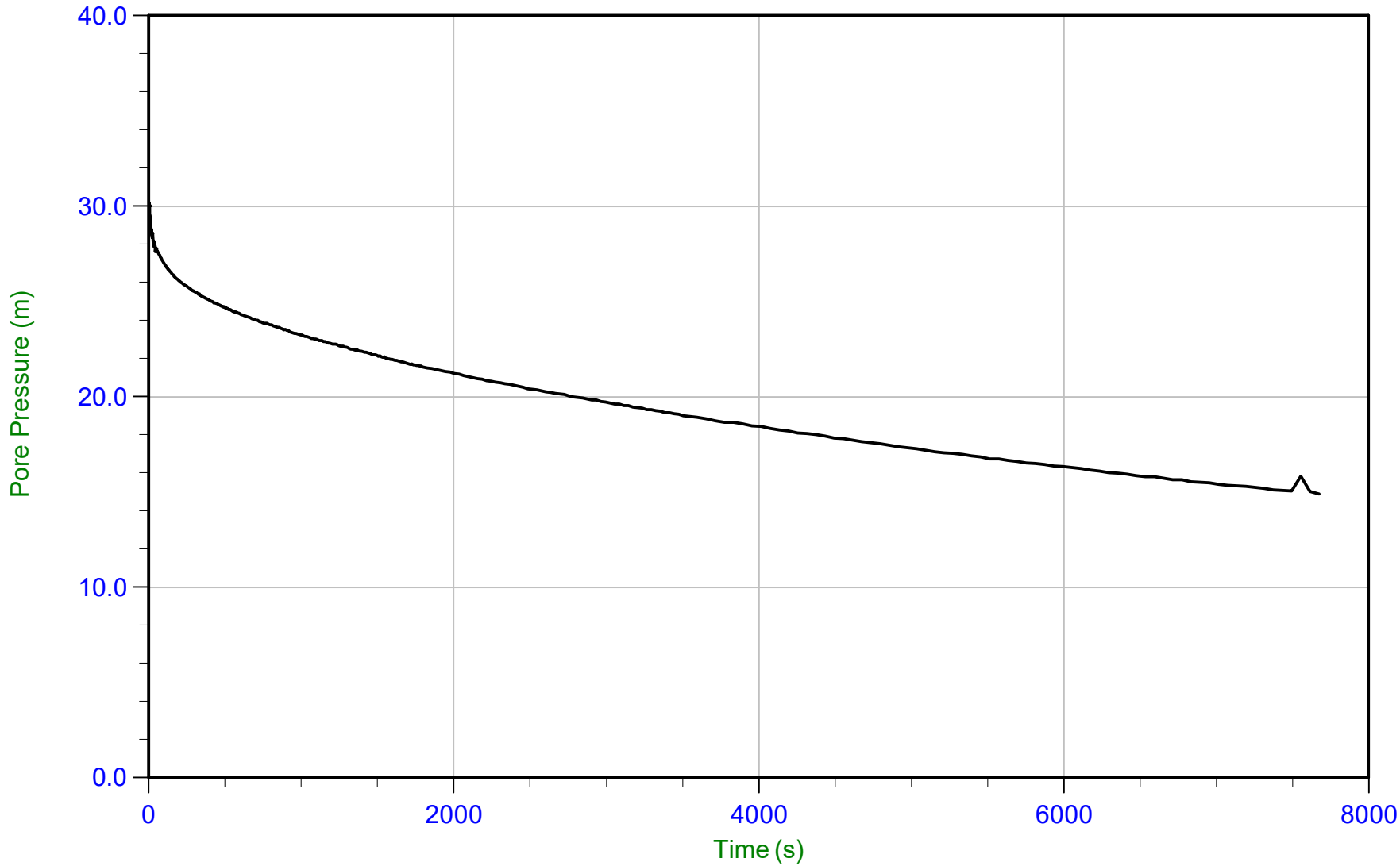
WT: 4.782 m / 15.689 ft
Ueq: 3.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/21/2021 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF14.PPF
Depth: 5.025 m / 16.486 ft
Duration: 7680.0 s

u Min: 14.9 m
u Max: 30.2 m
u Final: 14.9 m

WT: 1.309 m / 4.295 ft
Ueq: 3.7 m
U(50): 16.95 m

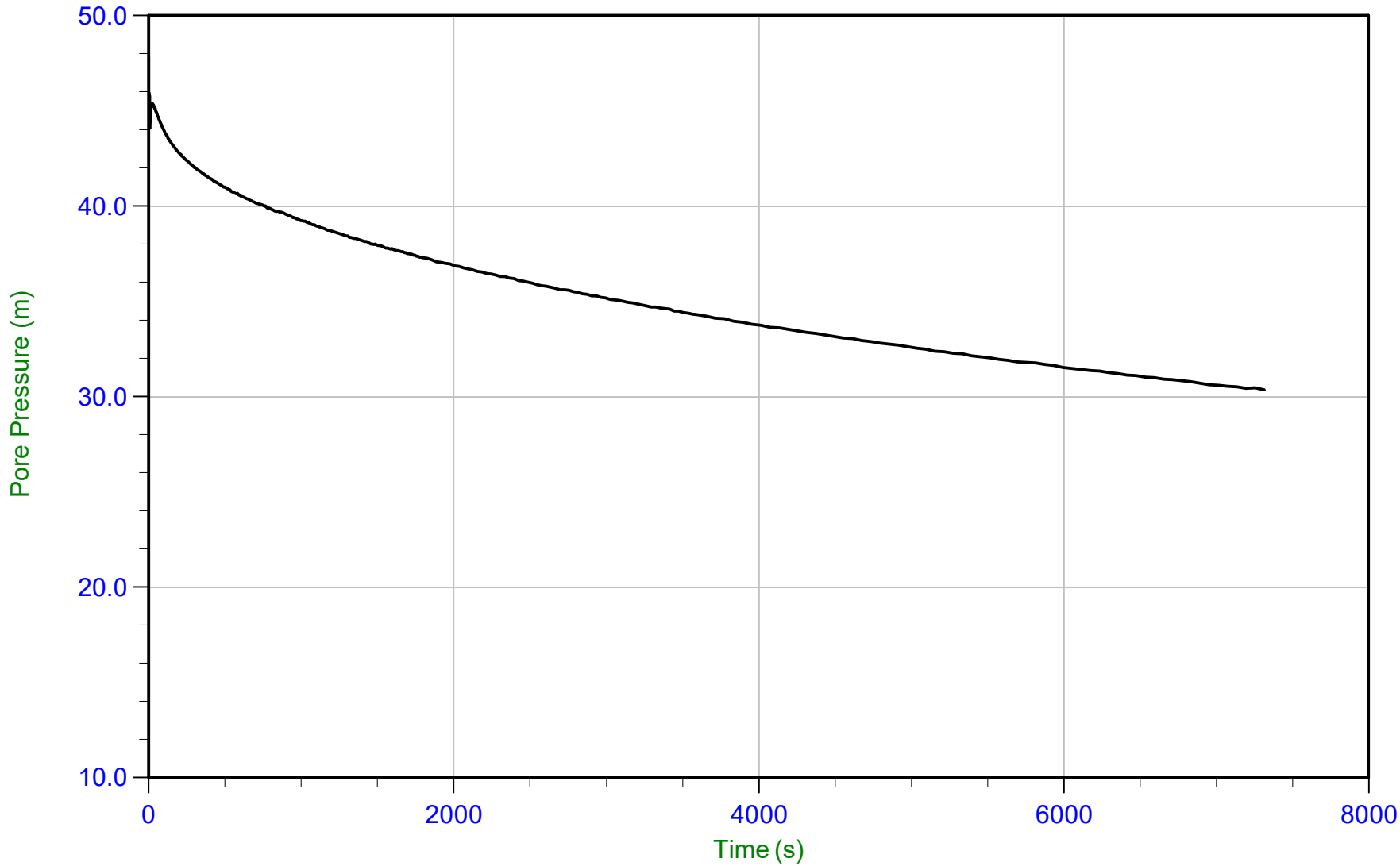
T(50): 5353.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/21/2021 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF14.PPF
Depth: 10.025 m / 32.890 ft
Duration: 7320.0 s

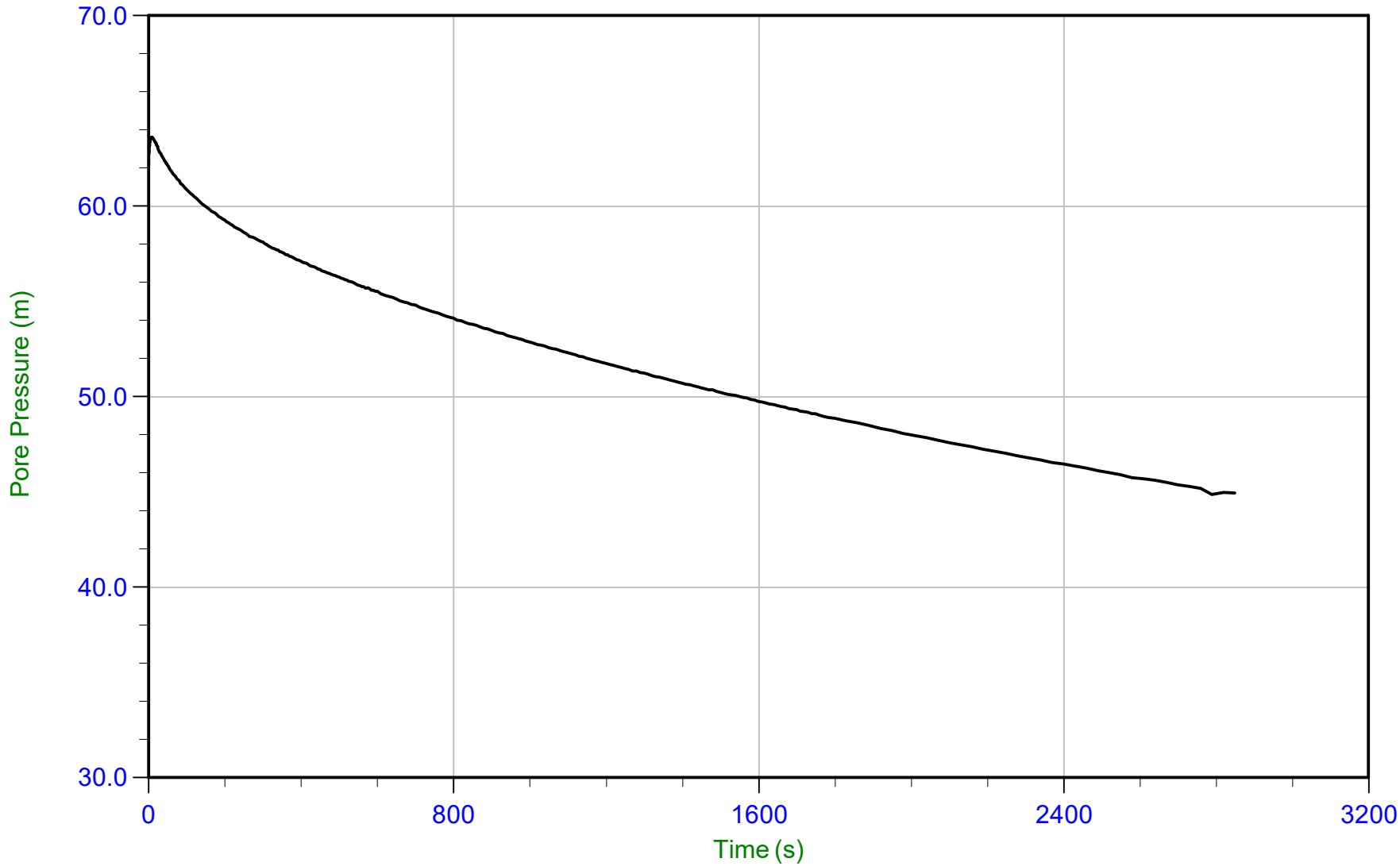
u Min: 30.3 m
u Max: 47.8 m
u Final: 30.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/21/2021 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF14.PPF
Depth: 15.150 m / 49.704 ft
Duration: 2850.0 s

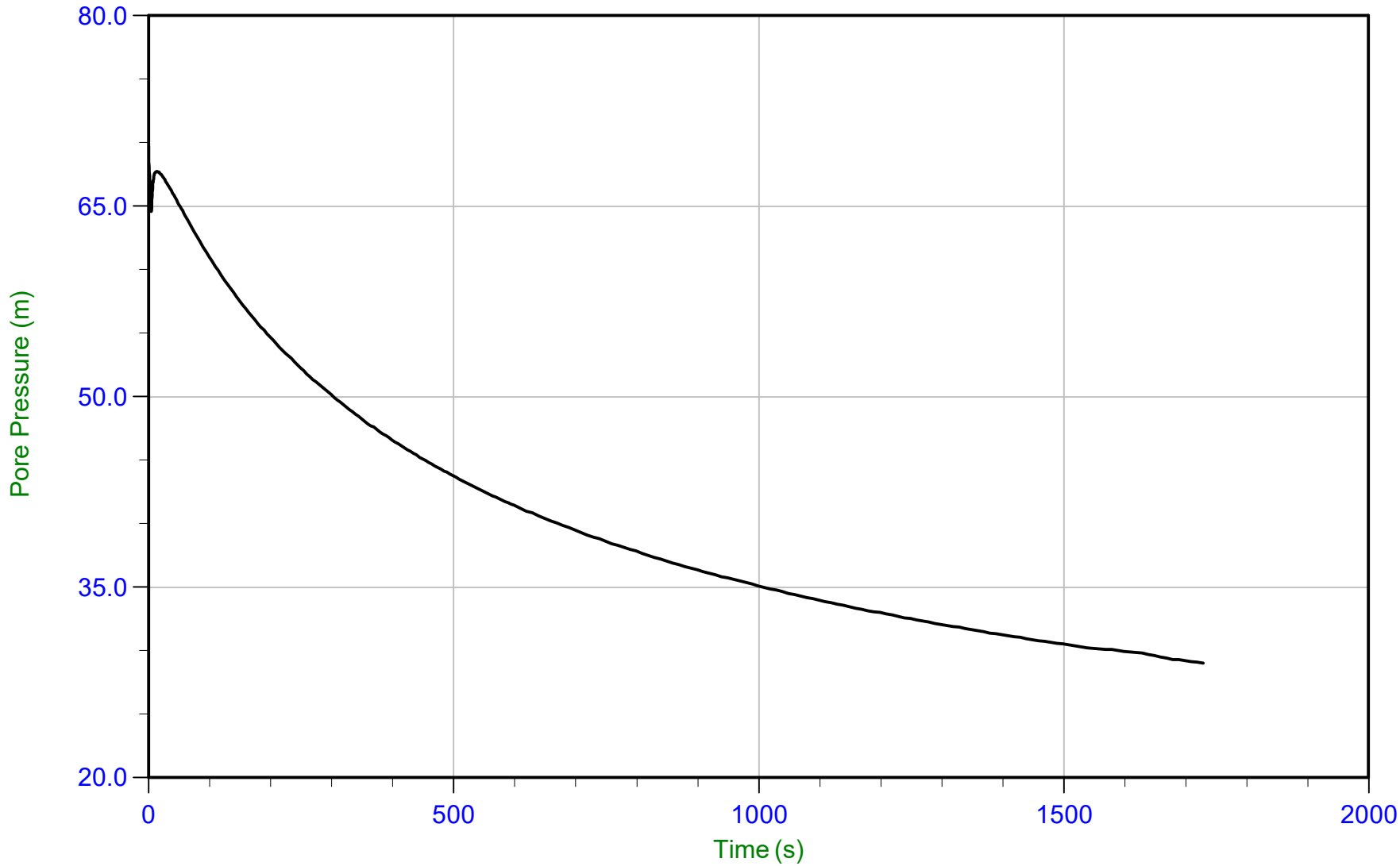
u Min: 44.9 m
u Max: 63.6 m
u Final: 44.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/21/2021 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF14.PPF
Depth: 20.000 m / 65.616 ft
Duration: 1730.0 s

u Min: 29.0 m
u Max: 69.8 m
u Final: 29.0 m

WT: 1.309 m / 4.295 ft
Ueq: 18.7 m
U(50): 44.23 m

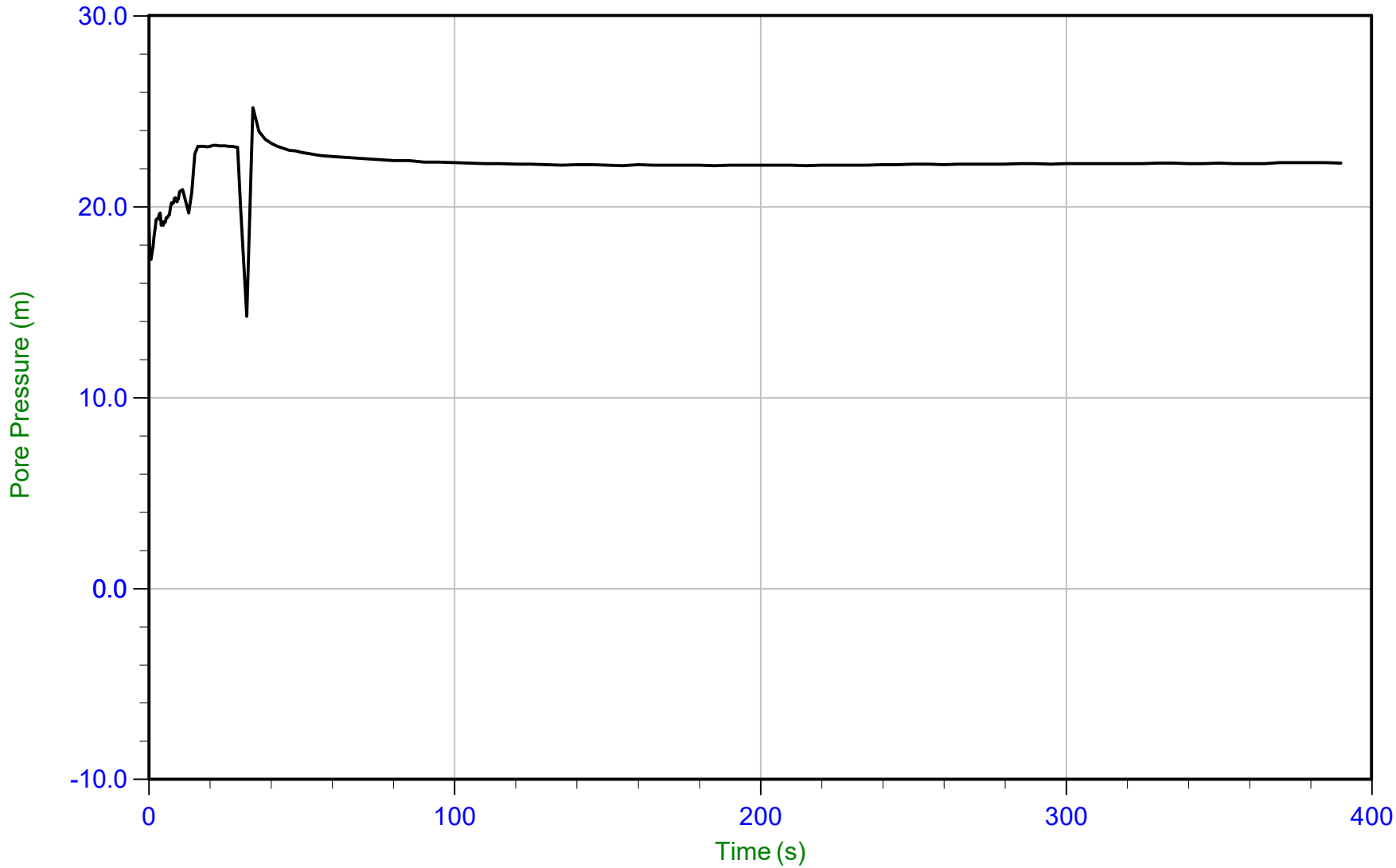
T(50): 482.0 s
Ir: 100
Ch: 1.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 10/21/2021 08:47
Site: Crawford Mine

Sounding: SRK-TSF-CPT-14
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF14.PPF
Depth: 23.625 m / 77.509 ft
Duration: 390.0 s

u Min: 14.3 m
u Max: 25.2 m
u Final: 22.3 m

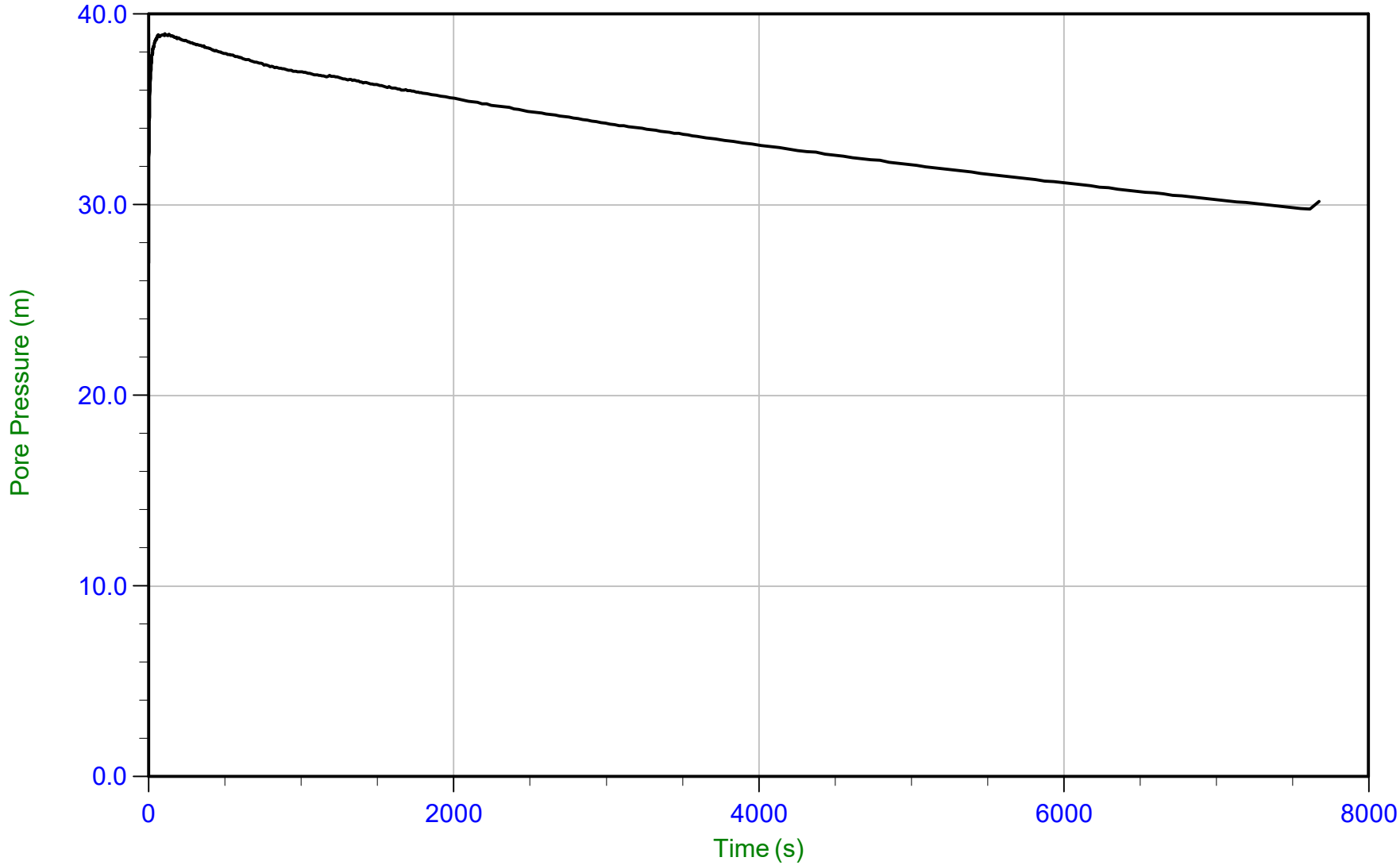
WT: 1.309 m / 4.295 ft
Ueq: 22.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/10/2022 07:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-15
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF15.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7679.8 s

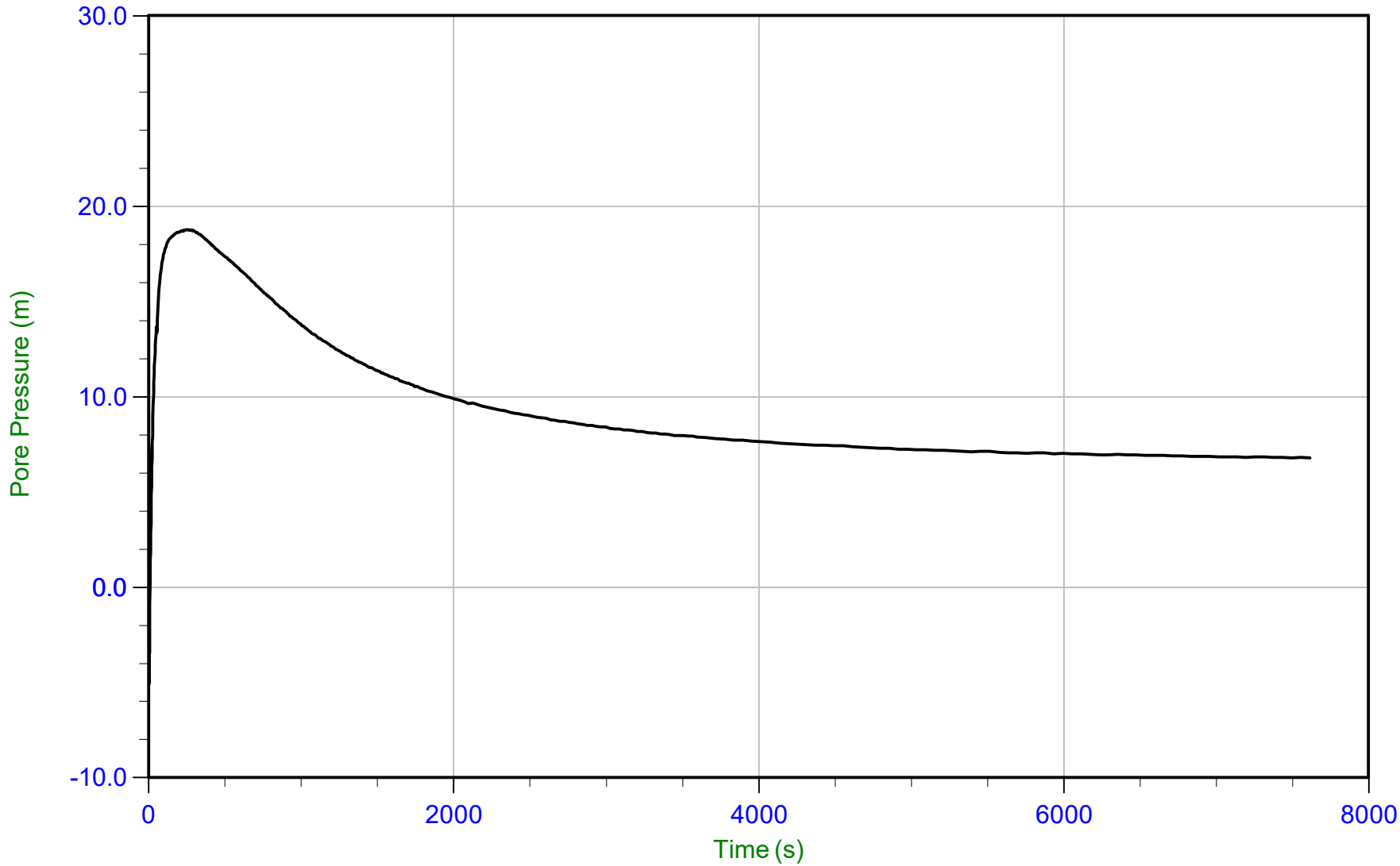
u Min: 27.0 m
u Max: 39.0 m
u Final: 30.2 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/10/2022 07:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-15
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF15.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7619.8 s

u Min: -5.1 m
u Max: 18.8 m
u Final: 6.8 m

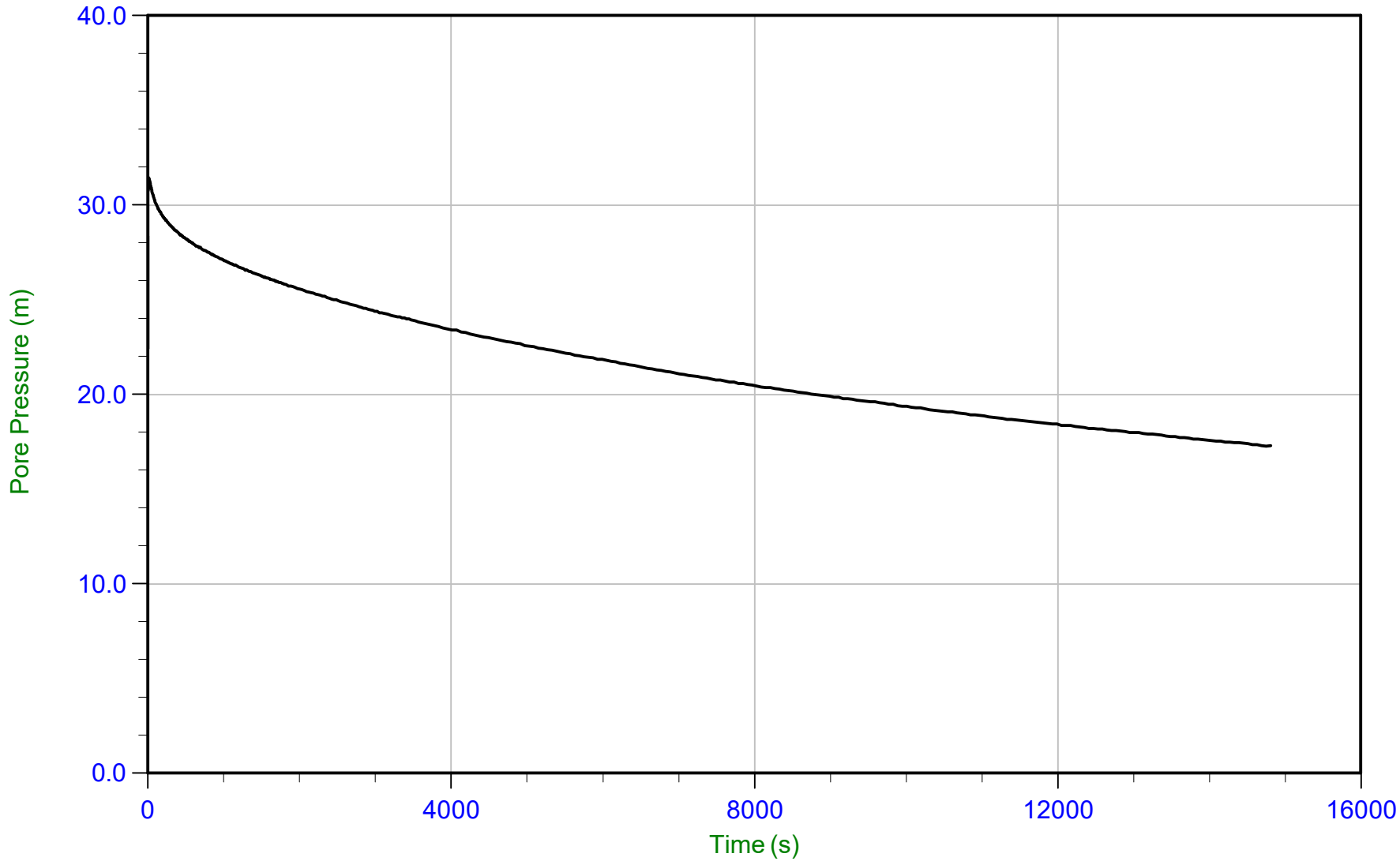
WT: 3.263 m / 10.705 ft
Ueq: 6.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/10/2022 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF17.PPF
Depth: 5.050 m / 16.568 ft
Duration: 14819.5 s

u Min: 17.3 m
u Max: 31.5 m
u Final: 17.3 m

WT: 1.474 m / 4.836 ft
Ueq: 3.6 m
U(50): 17.52 m

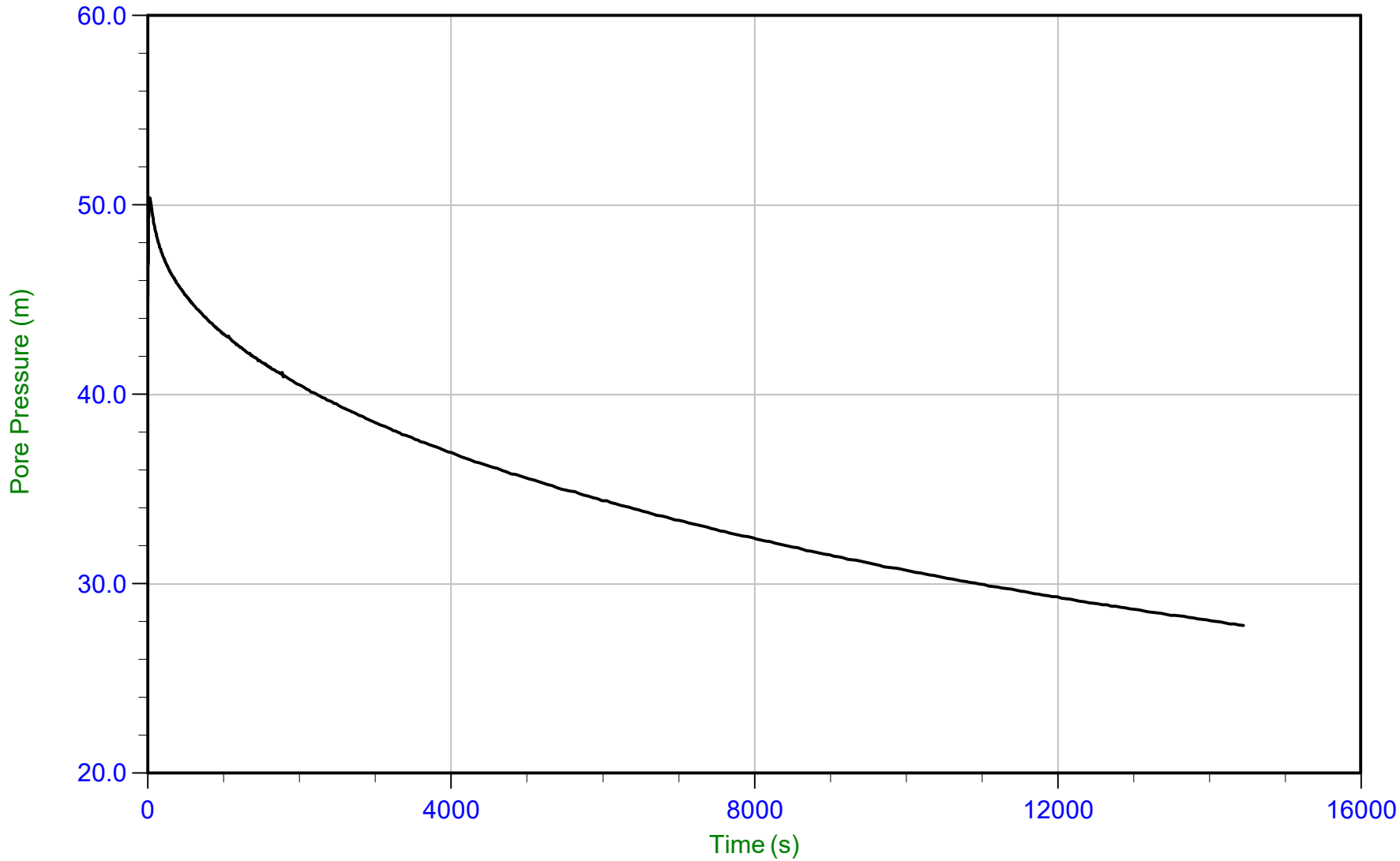
T(50): 14175.8 s
Ir: 100
Ch: 0.0 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/10/2022 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF17.PPF
Depth: 9.975 m / 32.726 ft
Duration: 14459.3 s

u Min: 27.8 m
u Max: 50.6 m
u Final: 27.8 m

WT: 1.474 m / 4.836 ft
Ueq: 8.5 m
U(50): 29.54 m

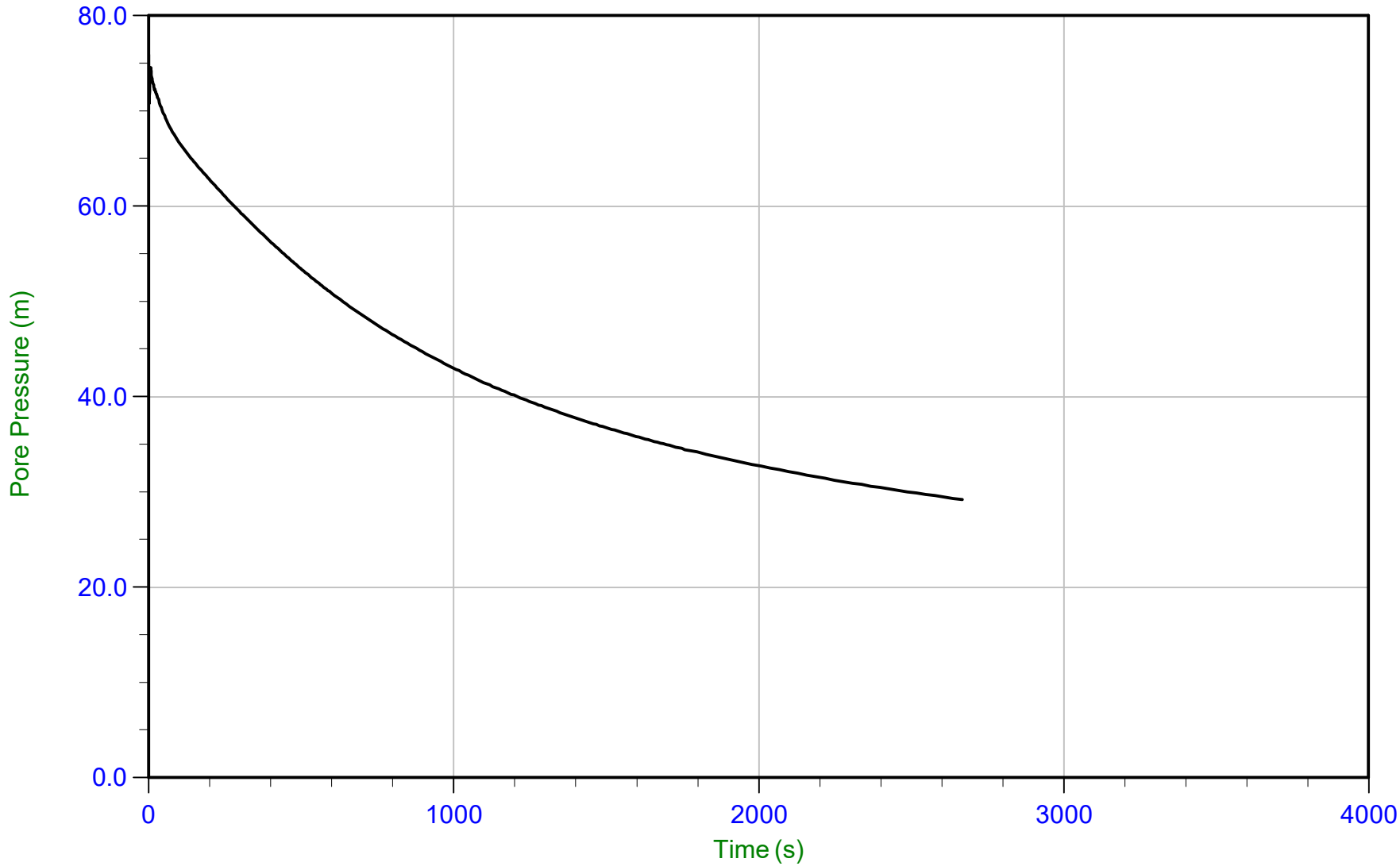
T(50): 11625.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/10/2022 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF17.PPF
Depth: 15.000 m / 49.212 ft
Duration: 2669.9 s

u Min: 29.2 m
u Max: 75.9 m
u Final: 29.2 m

WT: 1.474 m / 4.836 ft
Ueq: 13.5 m
U(50): 44.73 m

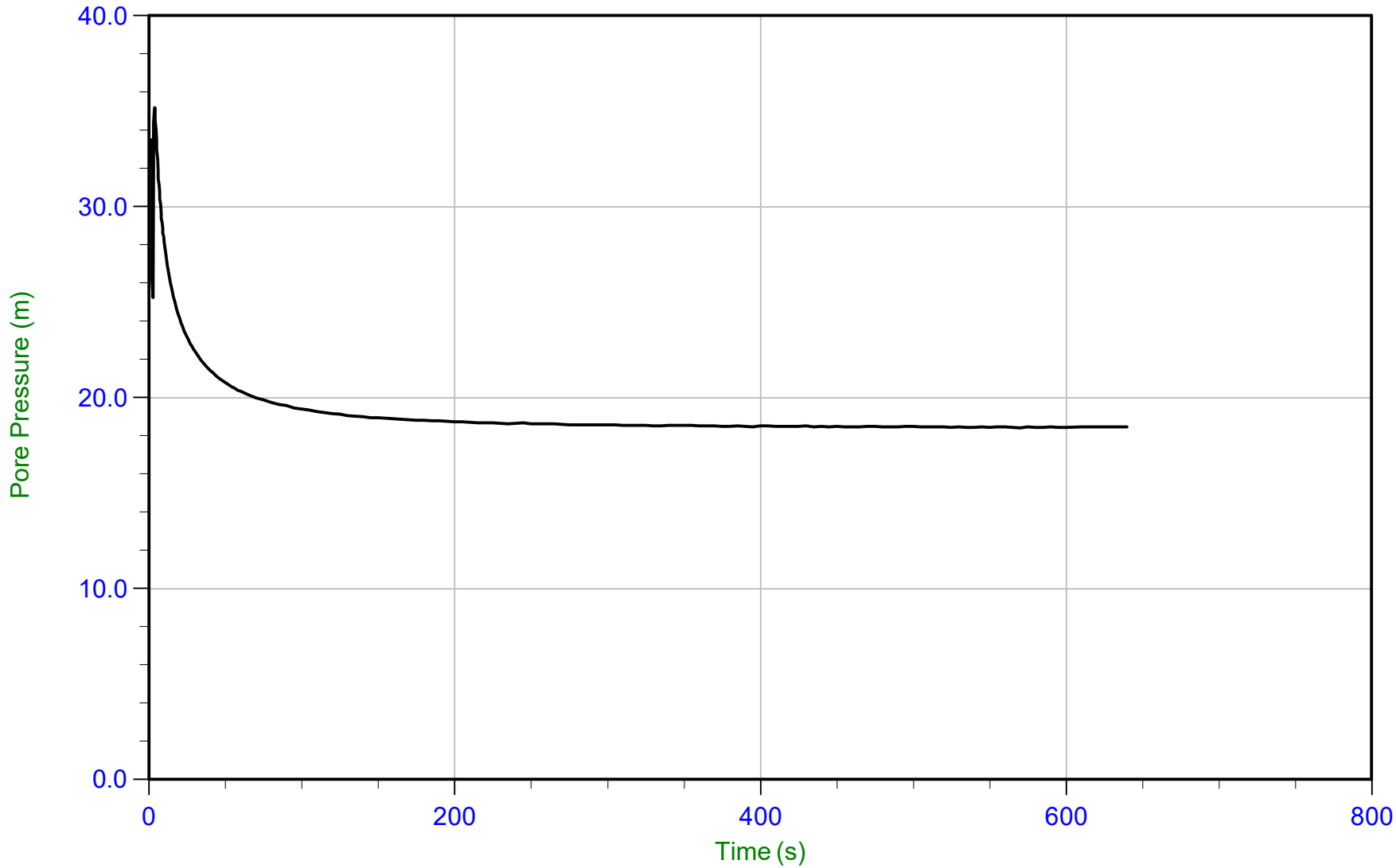
T(50): 898.6 s
Ir: 100
Ch: 0.8 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/10/2022 06:59
Site: Crawford Mine

Sounding: SRK-TSF-CPT-17
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF17.PPF
Depth: 20.000 m / 65.616 ft
Duration: 640.0 s

u Min: 18.4 m
u Max: 35.2 m
u Final: 18.5 m

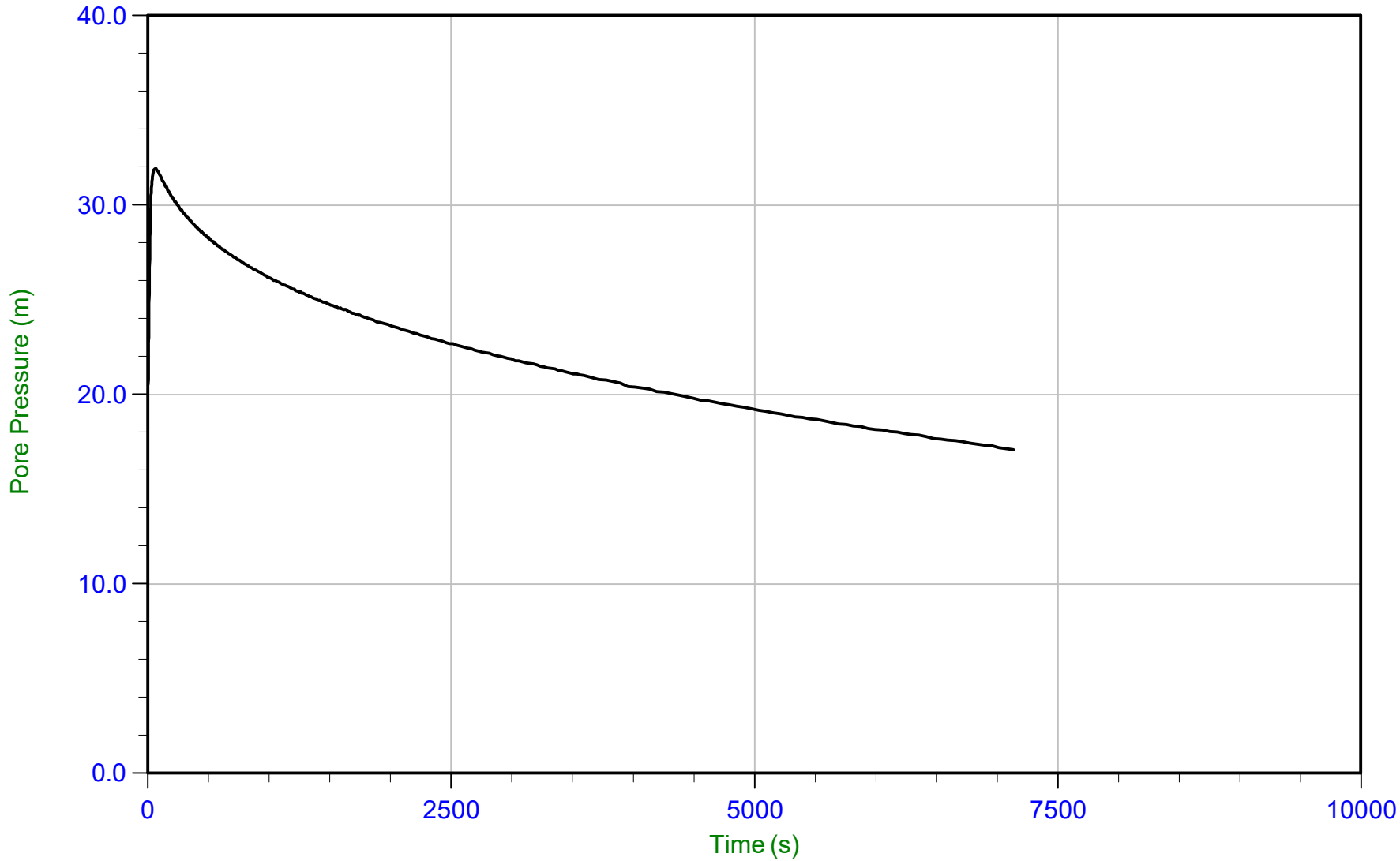
WT: 1.474 m / 4.836 ft
Ueq: 18.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/02/2022 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF18.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7140.0 s

u Min: 17.1 m
u Max: 31.9 m
u Final: 17.1 m

WT: 0.000 m / 0.000 ft
Ueq: 5.0 m
U(50): 18.47 m

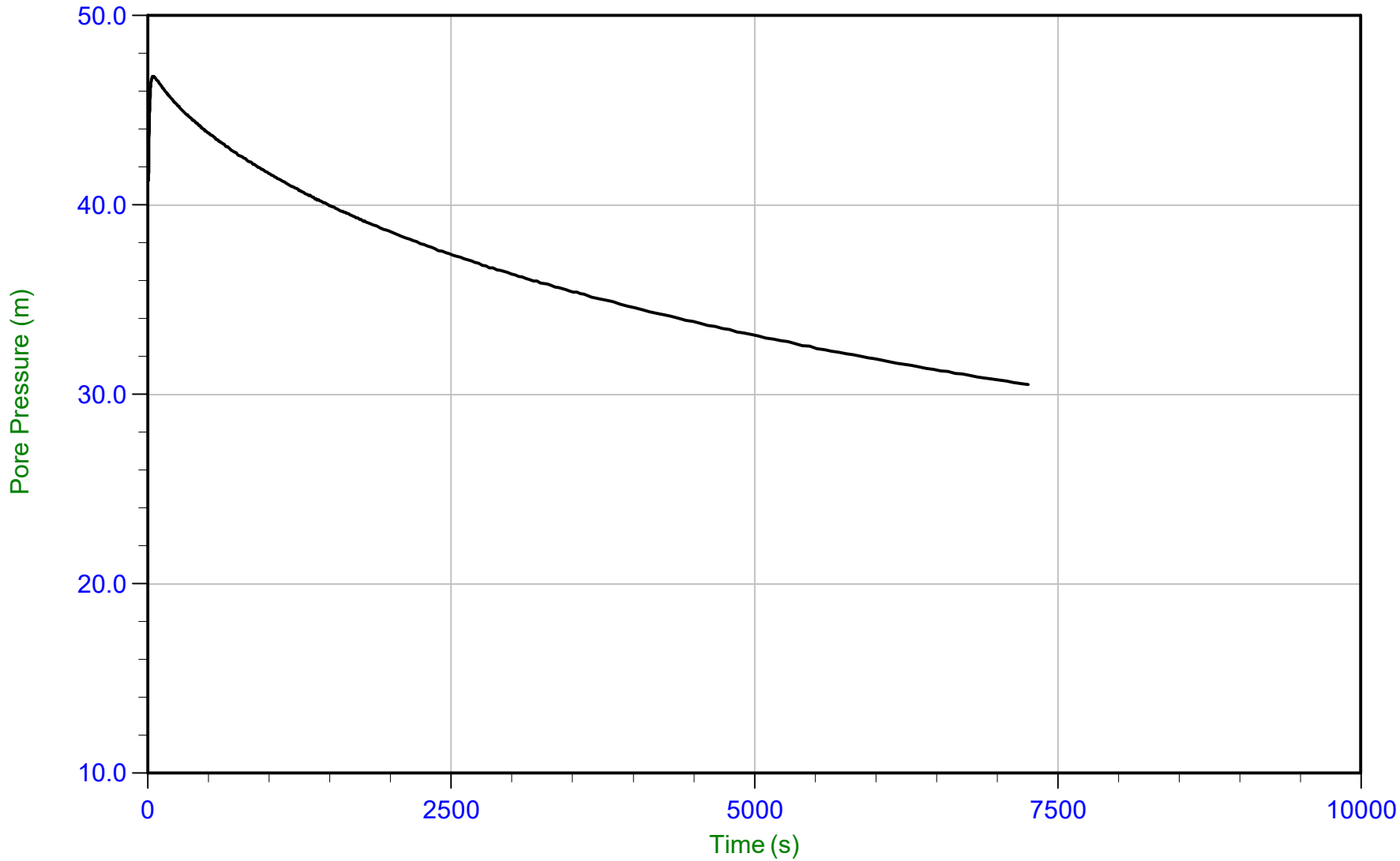
T(50): 5611.7 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/02/2022 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF18.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7260.0 s

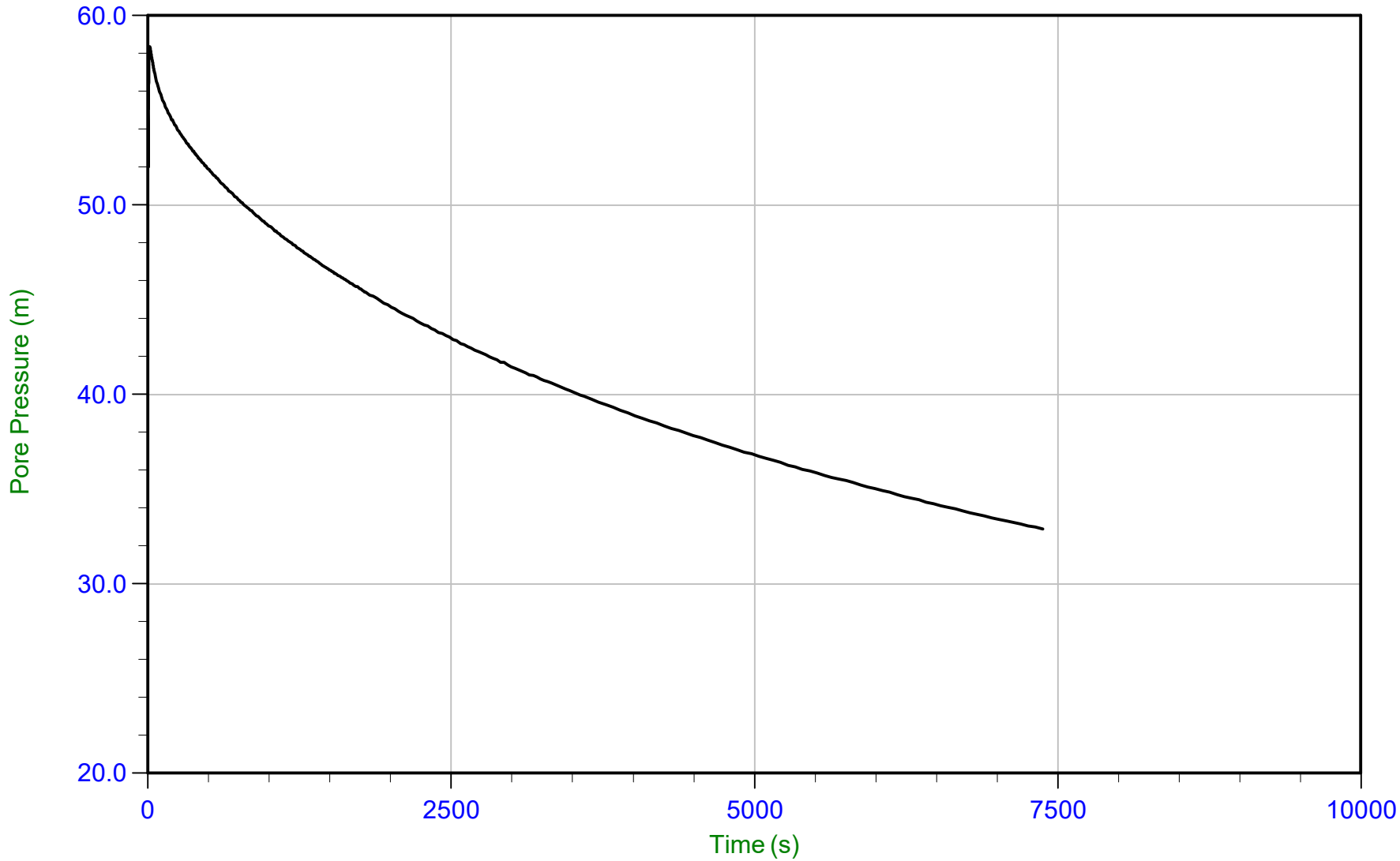
u Min: 30.5 m
u Max: 46.8 m
u Final: 30.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/02/2022 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF18.PPF
Depth: 15.000 m / 49.212 ft
Duration: 7380.0 s

u Min: 32.9 m
u Max: 58.4 m
u Final: 32.9 m

WT: 0.000 m / 0.000 ft
Ueq: 15.0 m
U(50): 36.68 m

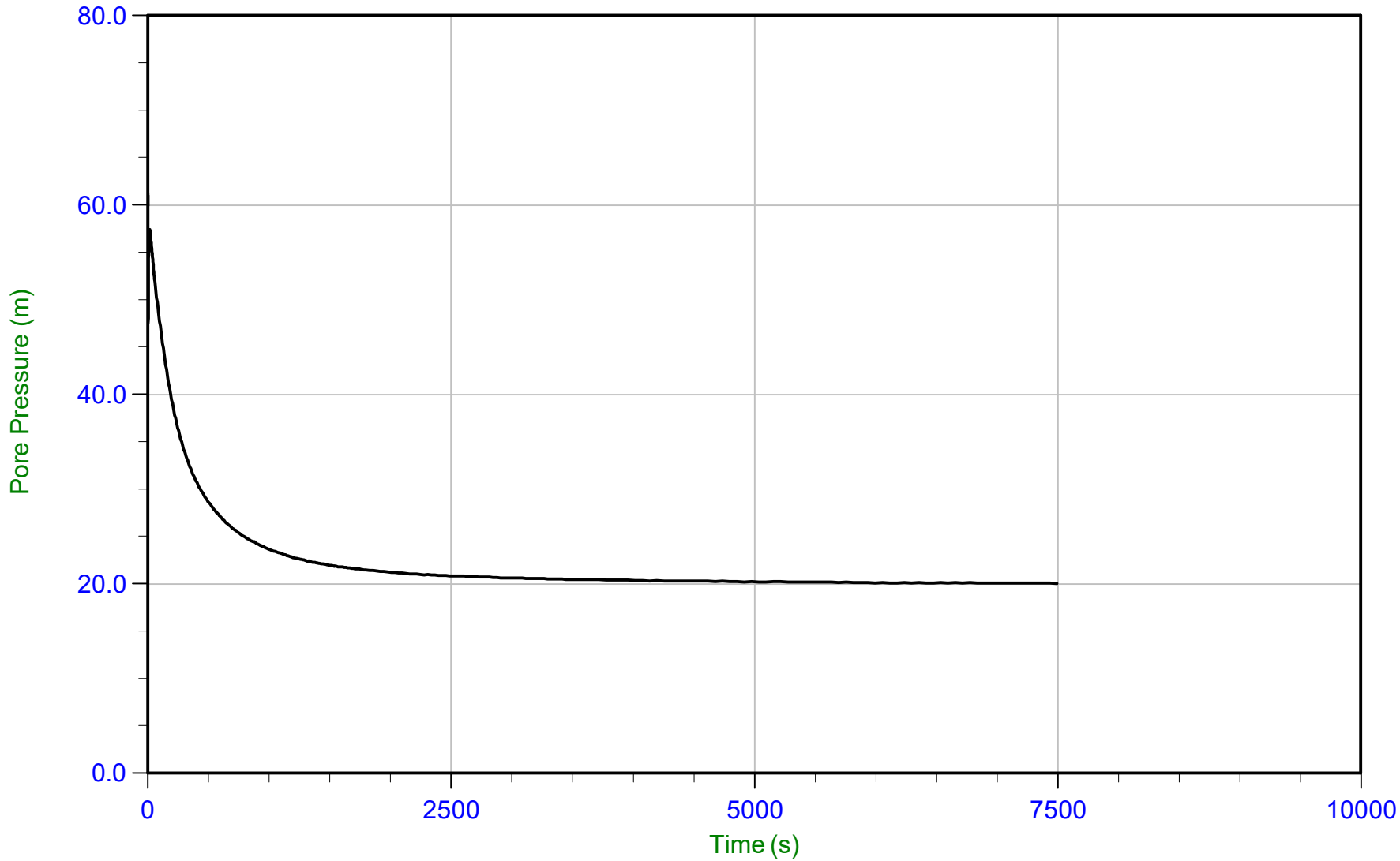
T(50): 5047.5 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/02/2022 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF18.PPF
Depth: 20.000 m / 65.616 ft
Duration: 7500.0 s

u Min: 20.0 m
u Max: 61.3 m
u Final: 20.0 m

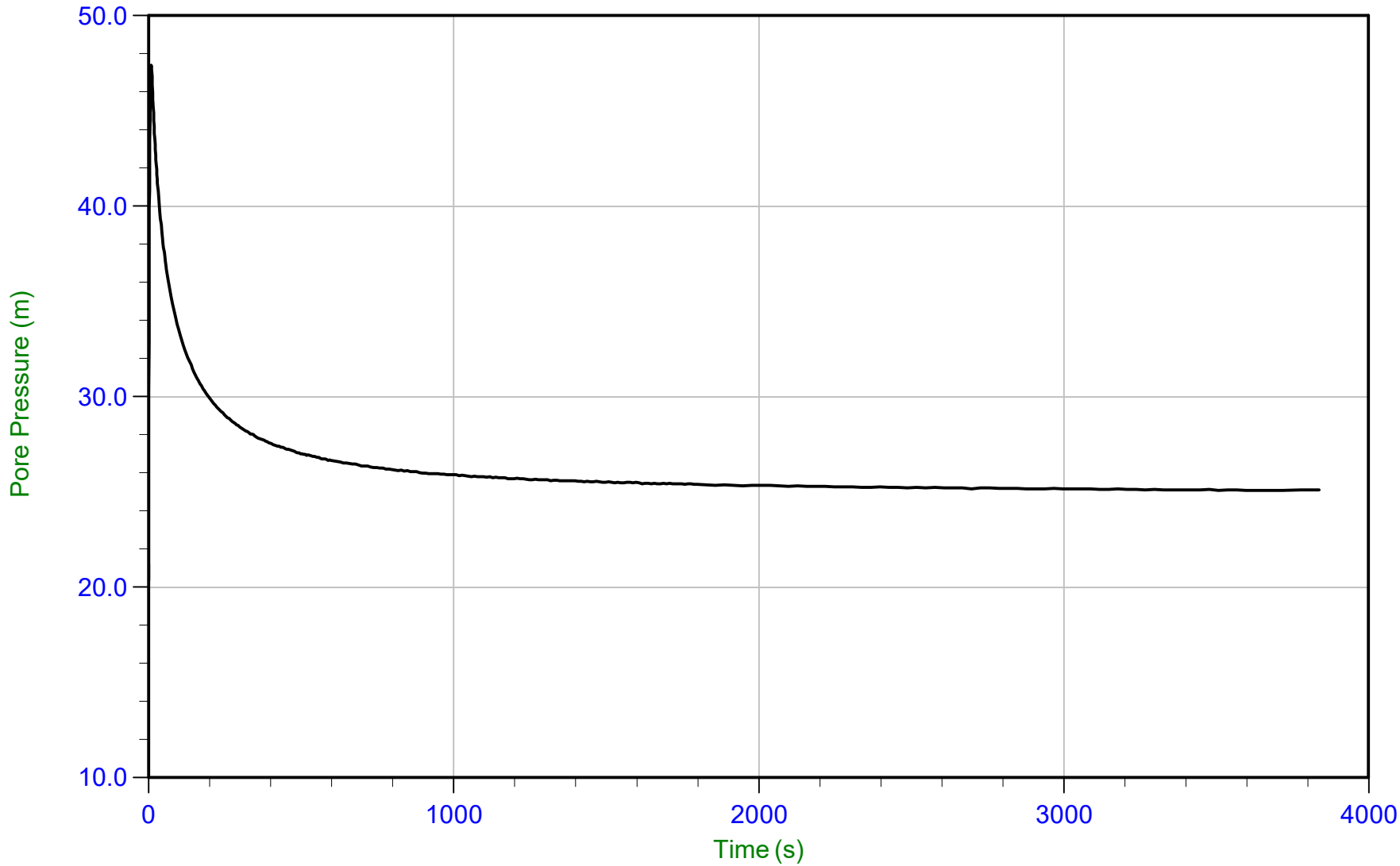
WT: 0.000 m / 0.000 ft
Ueq: 20.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/02/2022 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF18.PPF
Depth: 25.000 m / 82.020 ft
Duration: 3840.0 s

u Min: 20.4 m
u Max: 47.4 m
u Final: 25.1 m

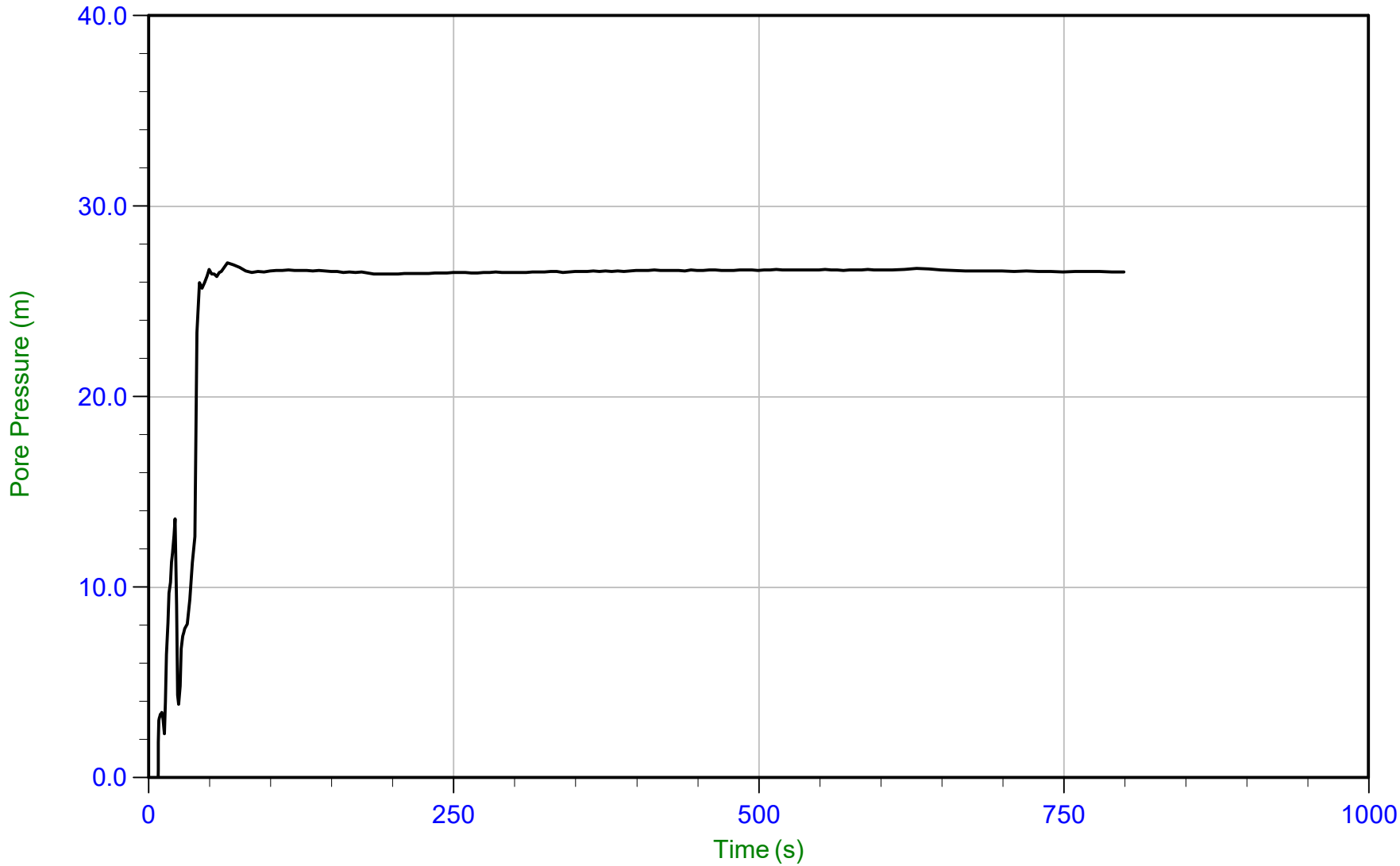
WT: -0.053 m / -0.174 ft
Ueq: 25.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/02/2022 10:02
Site: Crawford Mine

Sounding: SRK-TSF-CPT-18
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF18.PPF
Depth: 25.950 m / 85.137 ft
Duration: 800.0 s

u Min: -3.7 m
u Max: 27.0 m
u Final: 26.5 m

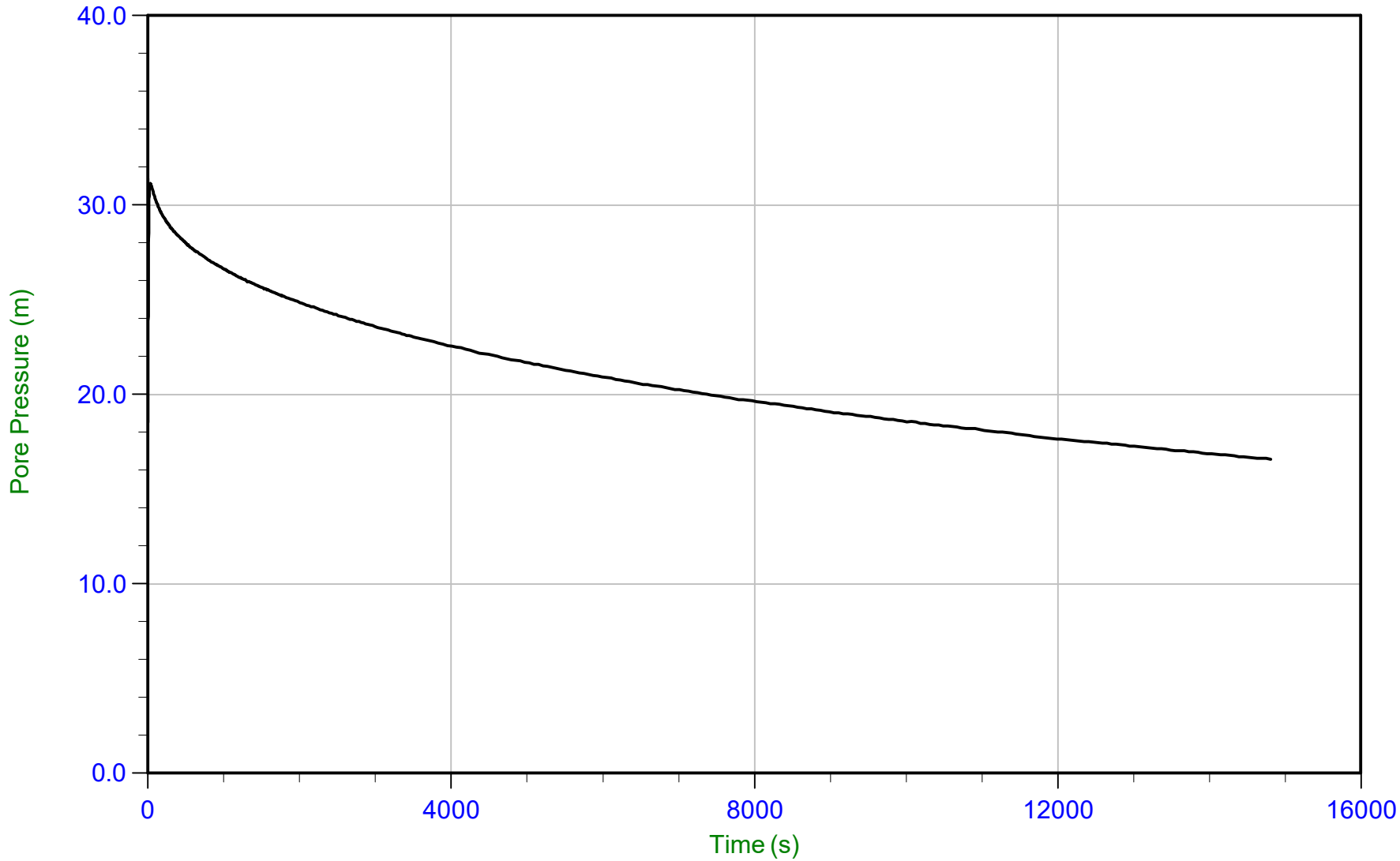
WT: -0.682 m / -2.238 ft
Ueq: 26.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/25/2022 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF20.PPF
Depth: 5.000 m / 16.404 ft
Duration: 14819.4 s

u Min: 16.6 m
u Max: 31.4 m
u Final: 16.6 m

WT: 0.093 m / 0.305 ft
Ueq: 4.9 m
U(50): 18.16 m

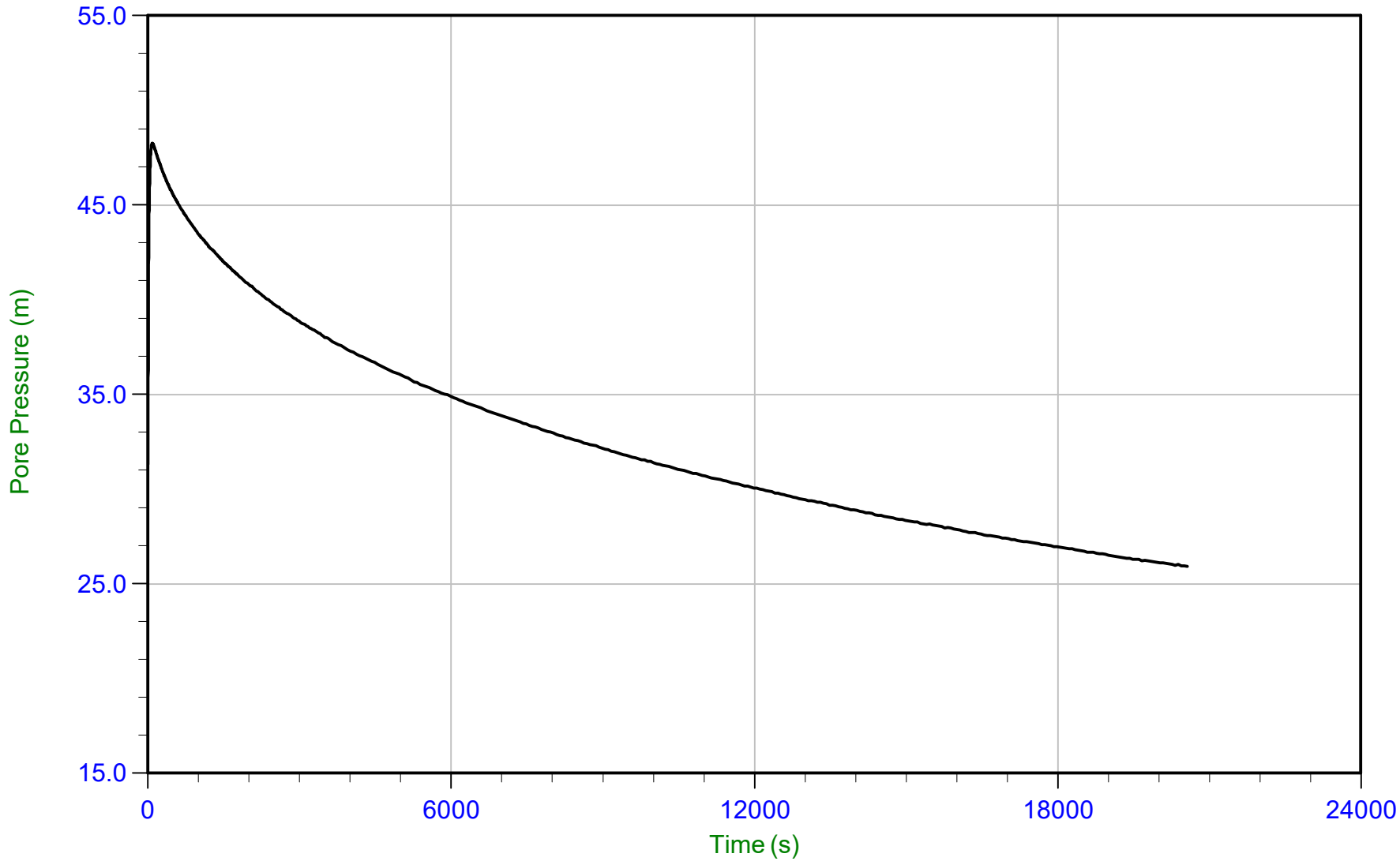
T(50): 10955.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/25/2022 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF20.PPF
Depth: 9.975 m / 32.726 ft
Duration: 20579.3 s

u Min: 25.9 m
u Max: 50.6 m
u Final: 25.9 m

WT: 0.093 m / 0.305 ft
Ueq: 9.9 m
U(50): 30.25 m

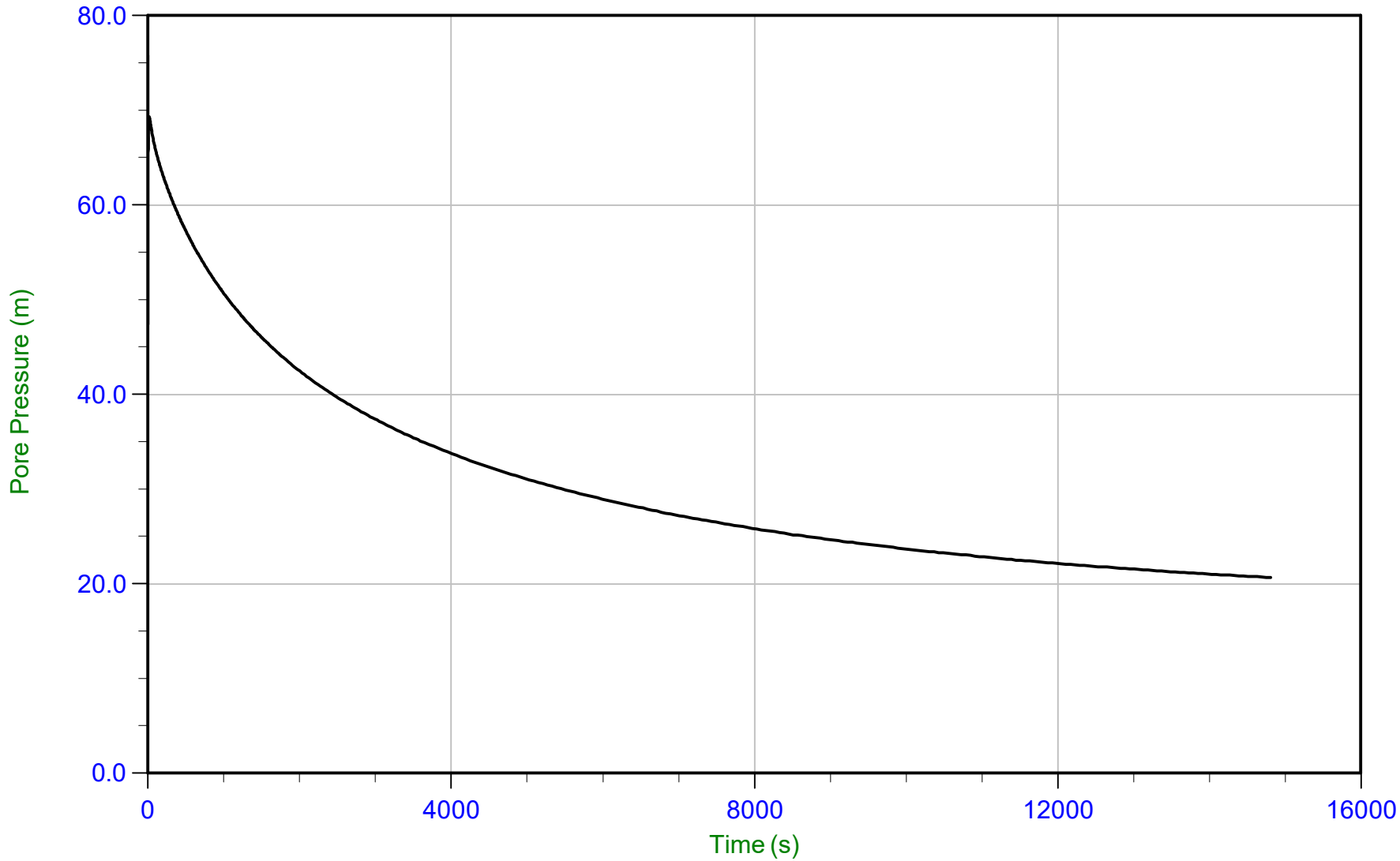
T(50): 11713.0 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/25/2022 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF20.PPF
Depth: 15.000 m / 49.212 ft
Duration: 14819.4 s

u Min: 20.6 m
u Max: 75.8 m
u Final: 20.6 m

WT: 0.093 m / 0.305 ft
Ueq: 14.9 m
U(50): 45.36 m

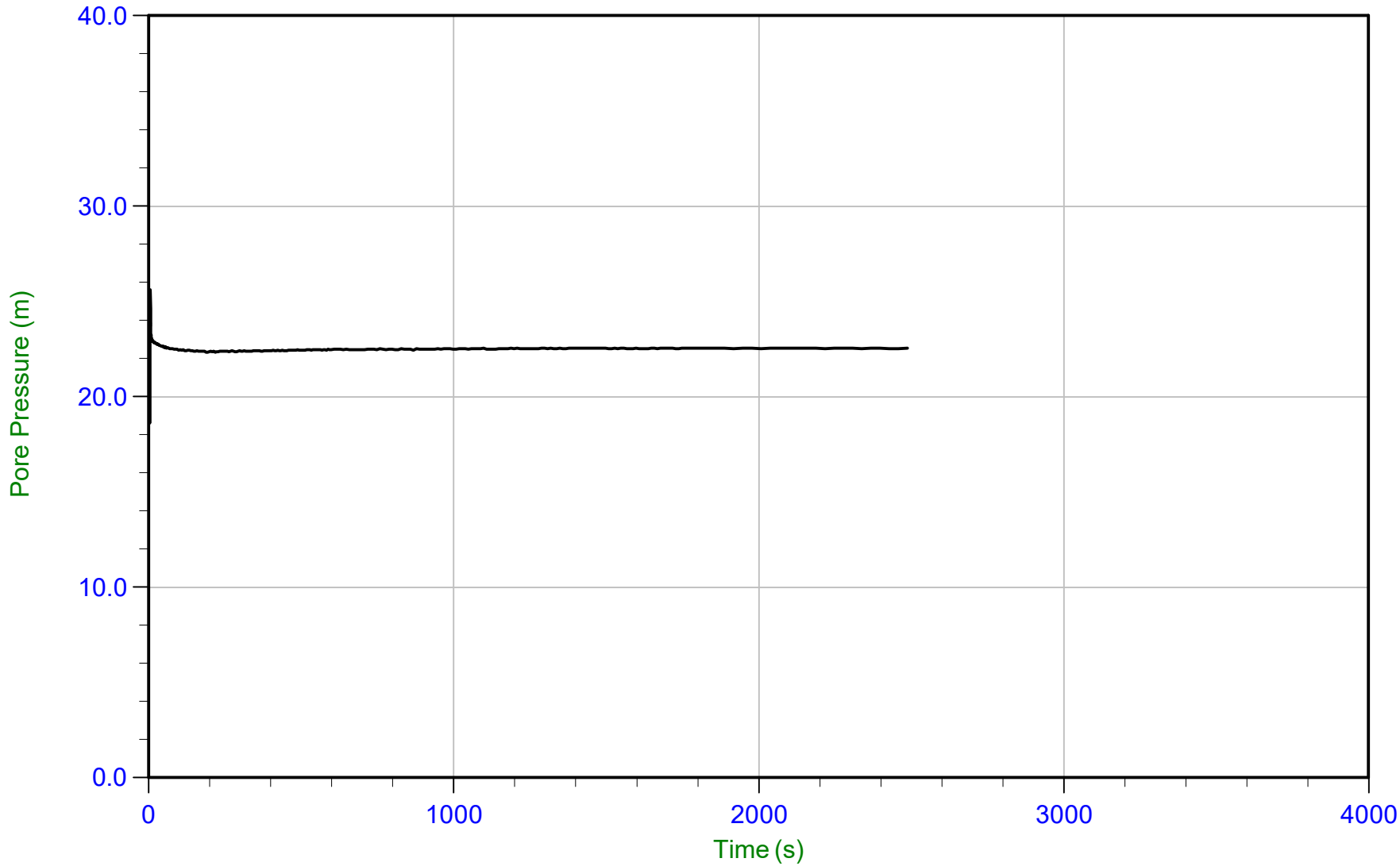
T(50): 1594.3 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/25/2022 08:37
Site: Crawford Mine

Sounding: SRK-TSF-CPT-20
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF20.PPF
Depth: 22.725 m / 74.556 ft
Duration: 2489.9 s

u Min: 18.6 m
u Max: 25.6 m
u Final: 22.5 m

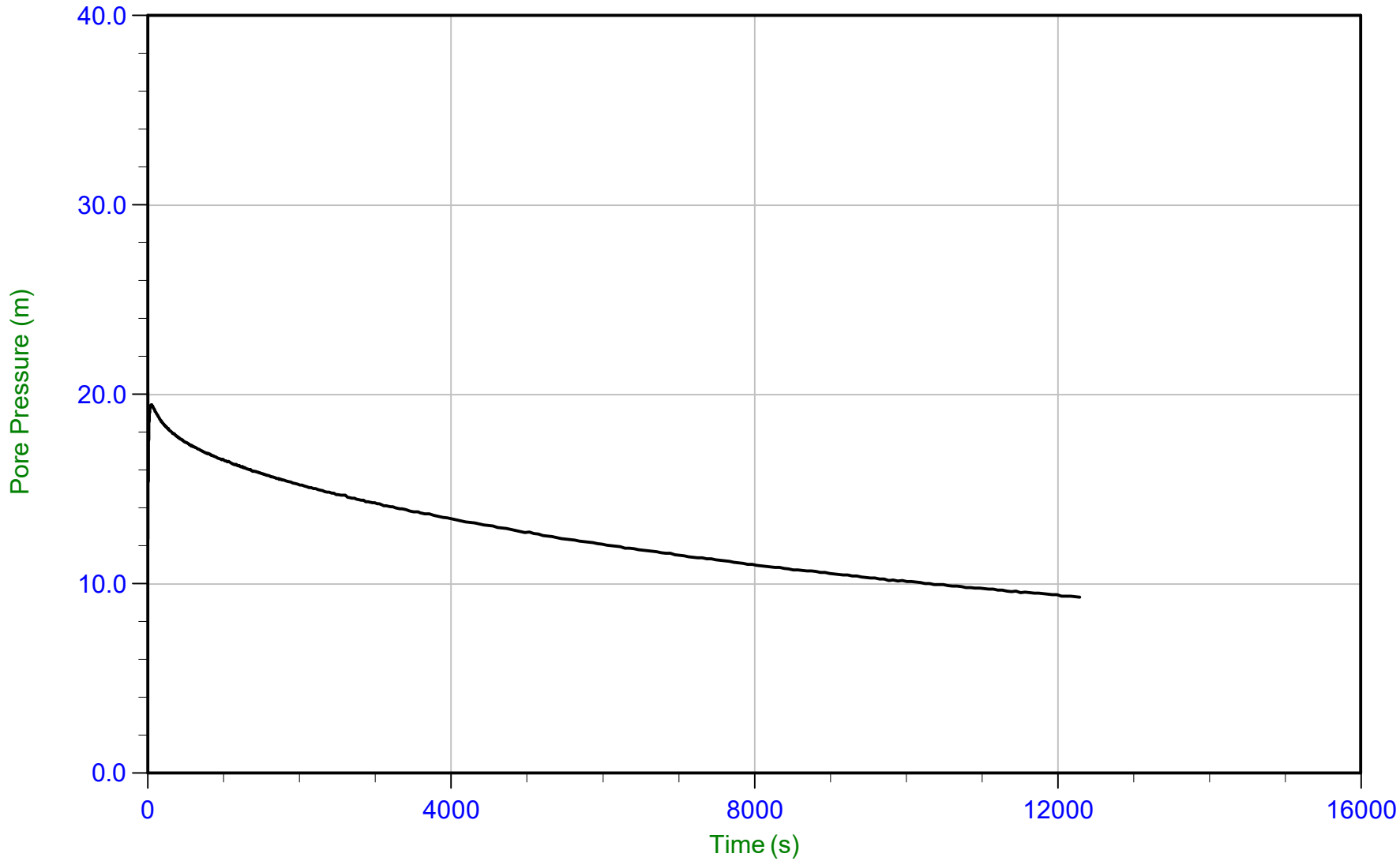
WT: 0.093 m / 0.305 ft
Ueq: 22.6 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/23/2022 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF21.PPF
Depth: 5.000 m / 16.404 ft
Duration: 12299.5 s

u Min: 9.3 m
u Max: 20.1 m
u Final: 9.3 m

WT: 2.211 m / 7.254 ft
Ueq: 2.8 m
U(50): 11.46 m

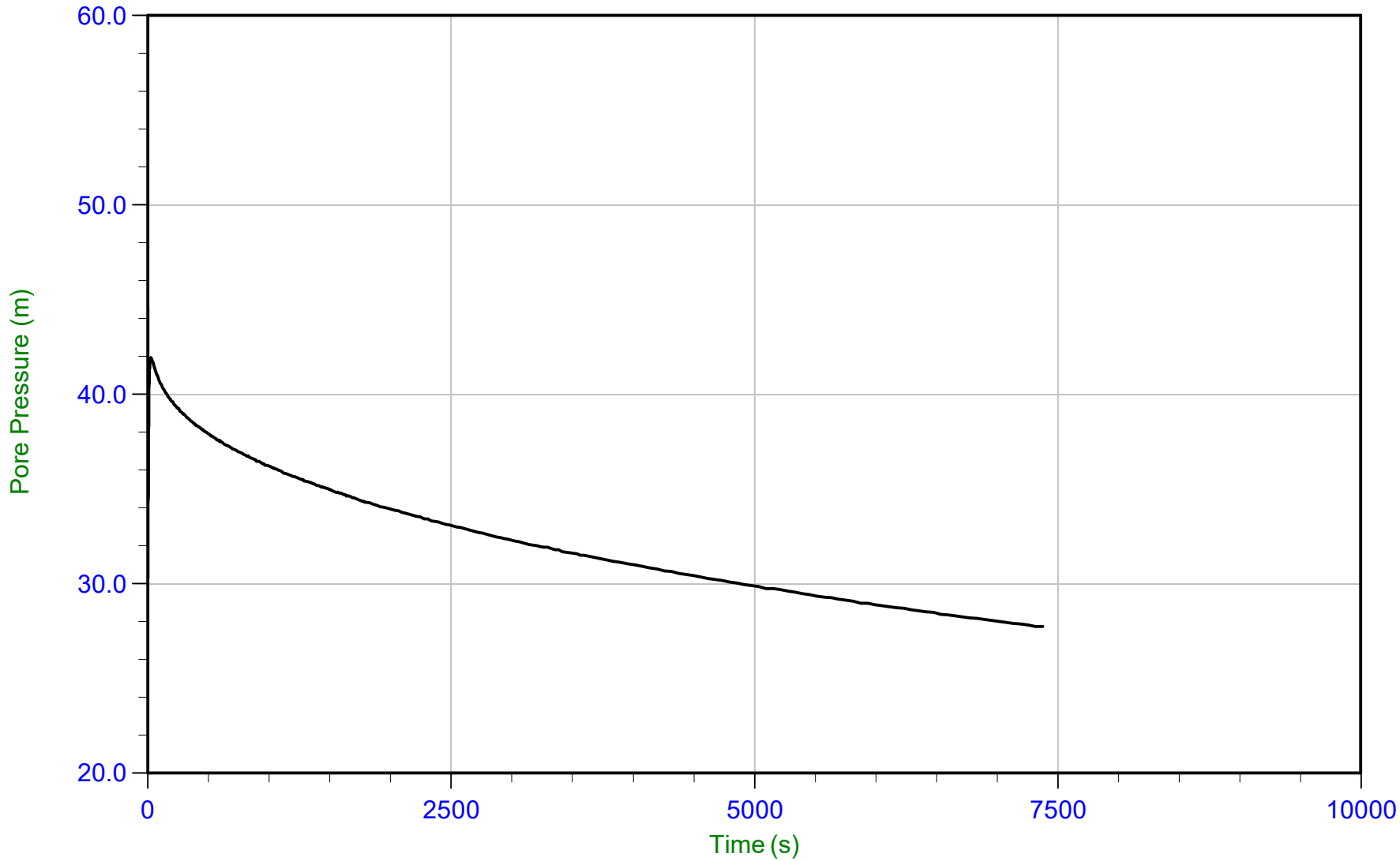
T(50): 7096.3 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/23/2022 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF21.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7379.7 s

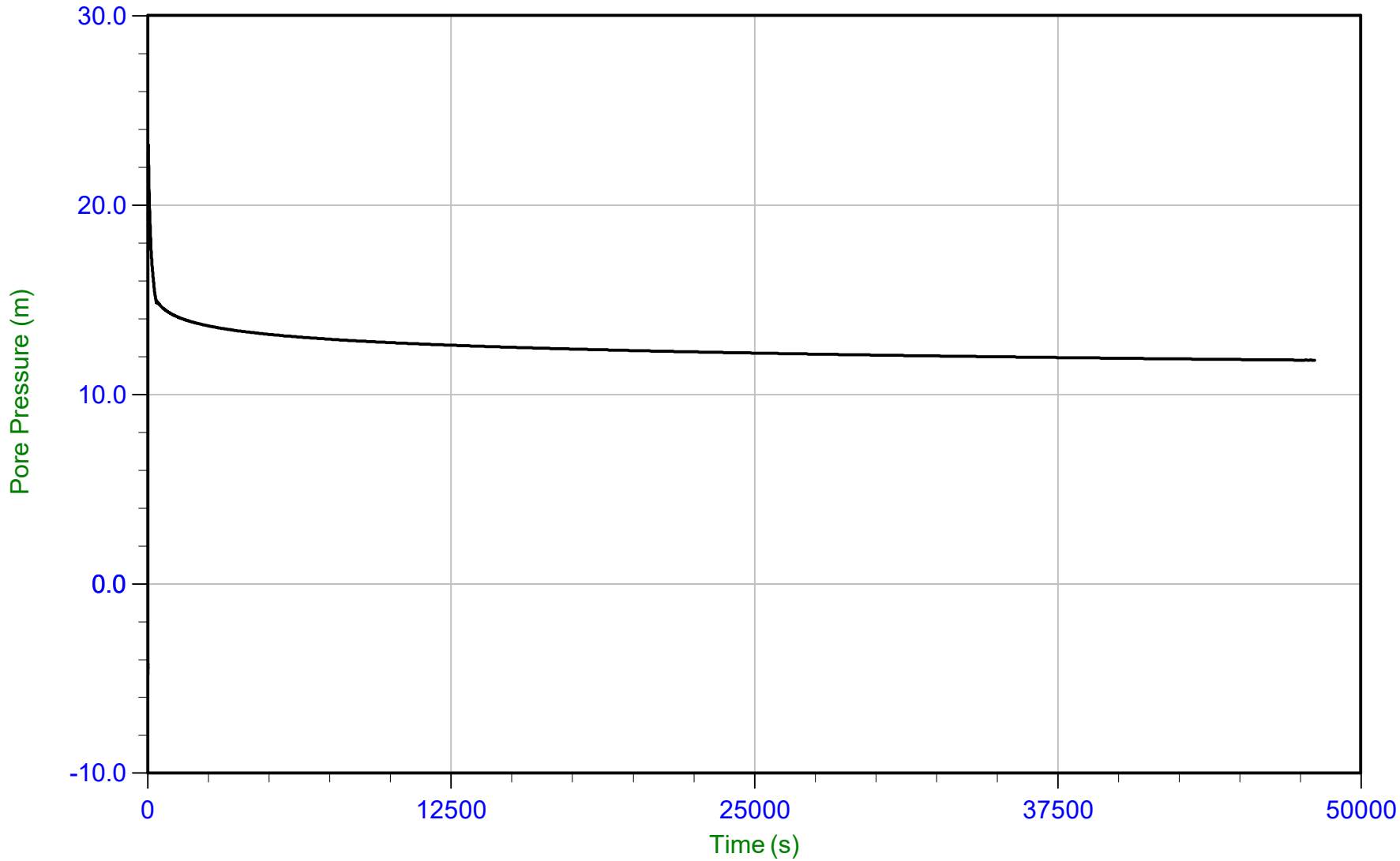
u Min: 27.7 m
u Max: 44.6 m
u Final: 27.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/23/2022 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF21.PPF
Depth: 14.000 m / 45.931 ft
Duration: 48118.4 s

u Min: -4.8 m
u Max: 23.2 m
u Final: 11.8 m

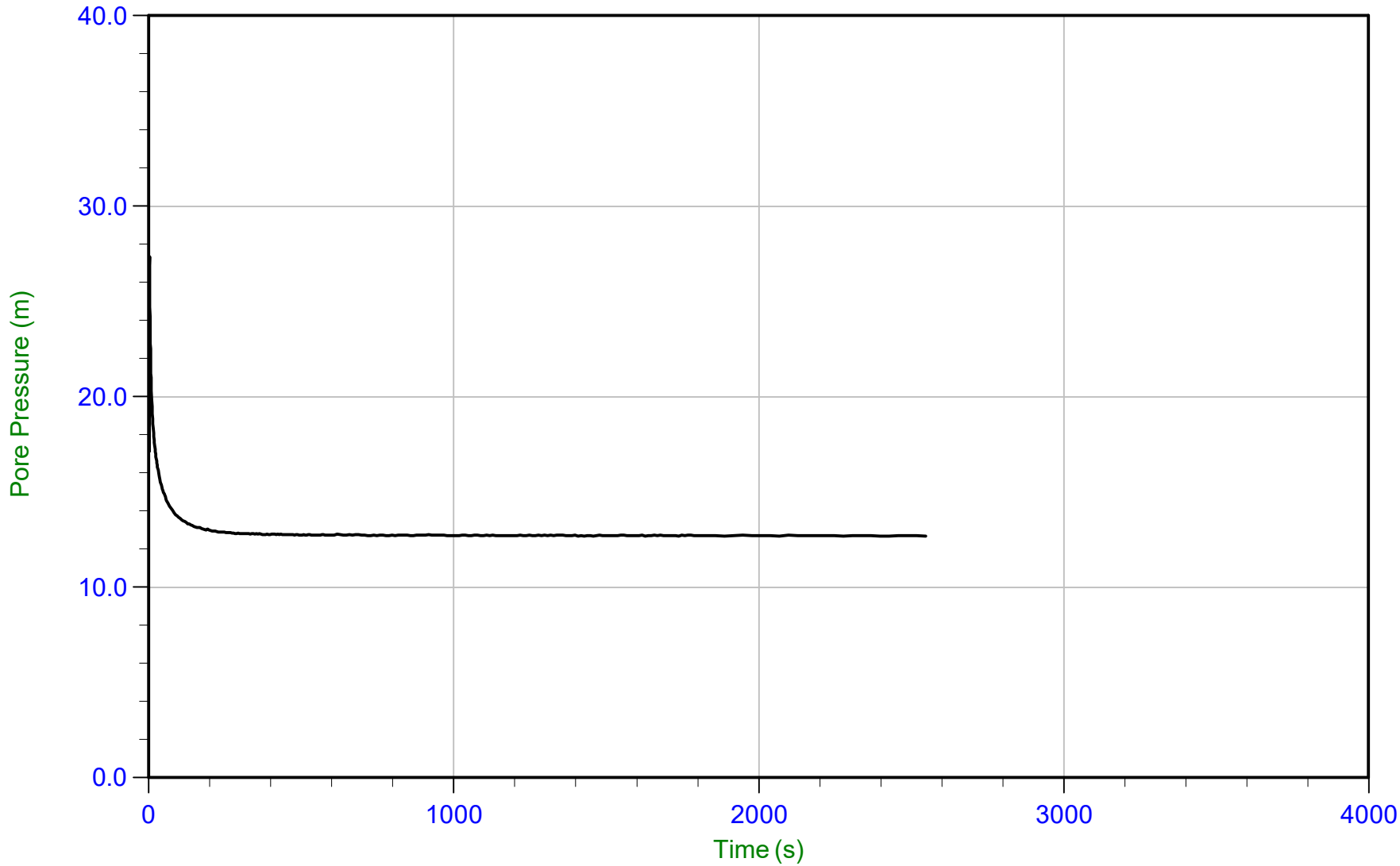
WT: 2.211 m / 7.254 ft
Ueq: 11.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/23/2022 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF21.PPF
Depth: 15.000 m / 49.212 ft
Duration: 2549.9 s

u Min: 12.7 m
u Max: 27.3 m
u Final: 12.7 m

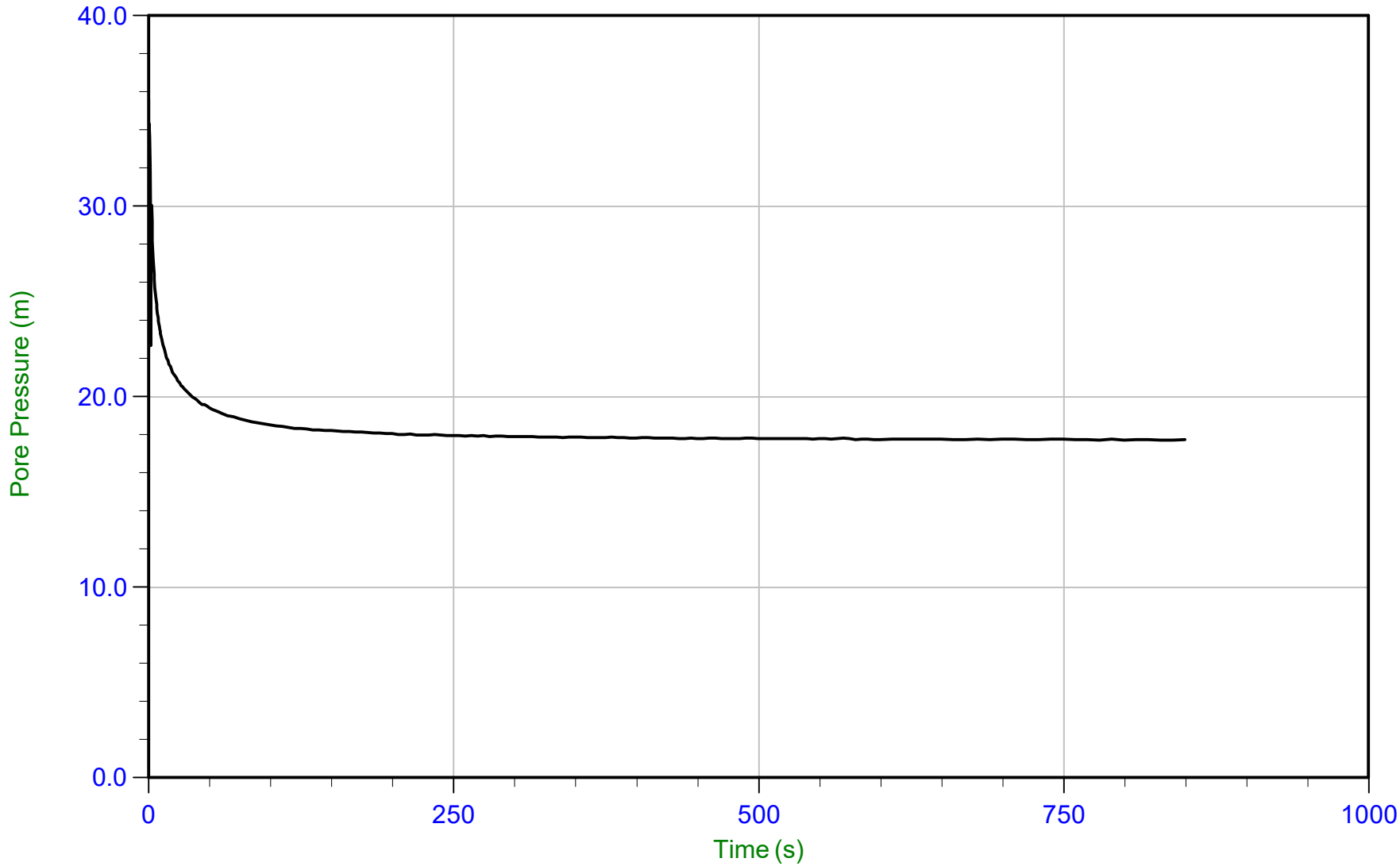
WT: 2.263 m / 7.424 ft
Ueq: 12.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/23/2022 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF21.PPF
Depth: 20.000 m / 65.616 ft
Duration: 850.0 s

u Min: 17.7 m
u Max: 35.6 m
u Final: 17.7 m

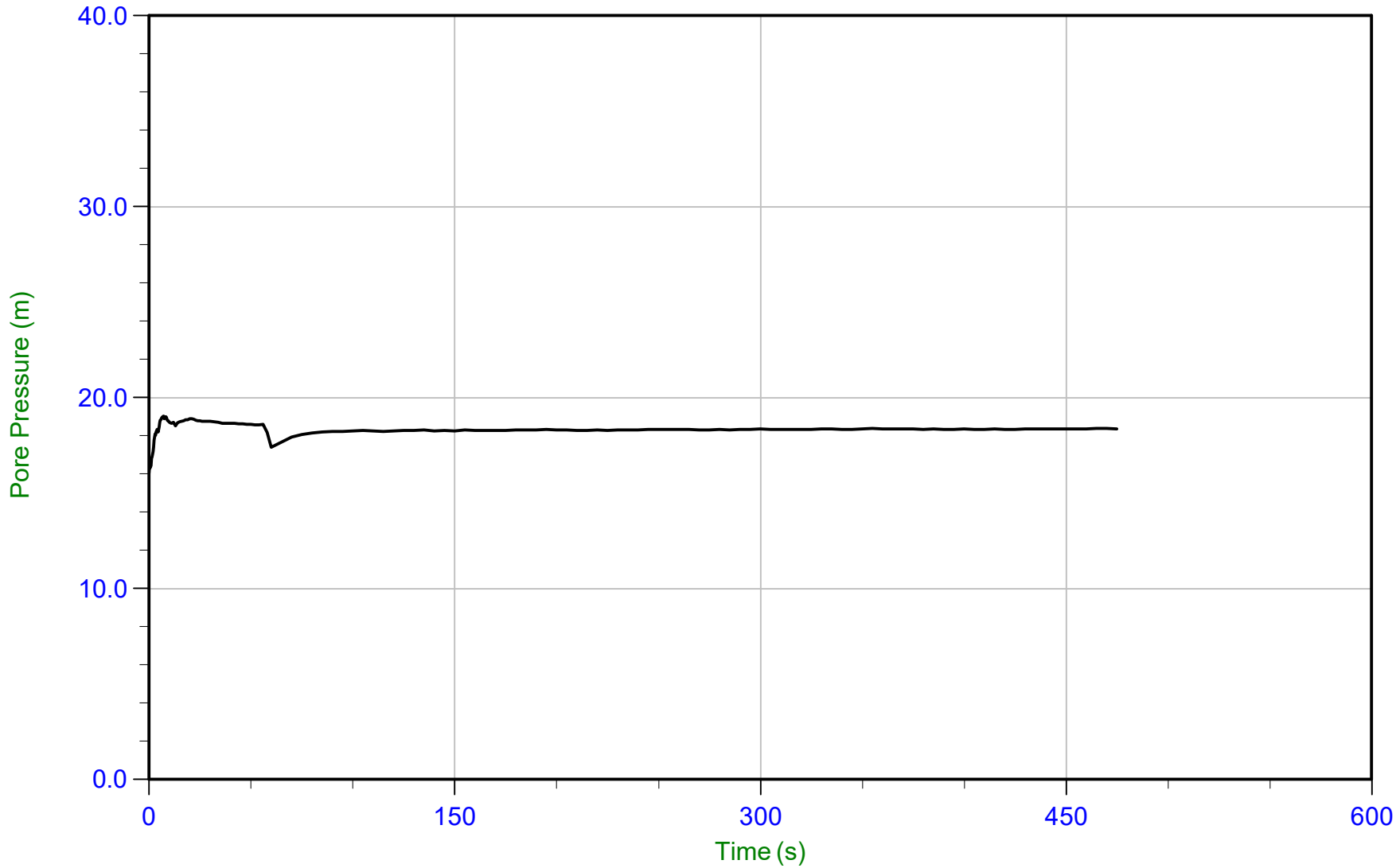
WT: 2.211 m / 7.254 ft
Ueq: 17.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/23/2022 10:52
Site: Crawford Mine

Sounding: SRK-TSF-CPT-21
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF21.PPF
Depth: 20.875 m / 68.487 ft
Duration: 475.0 s

u Min: 16.0 m
u Max: 19.0 m
u Final: 18.4 m

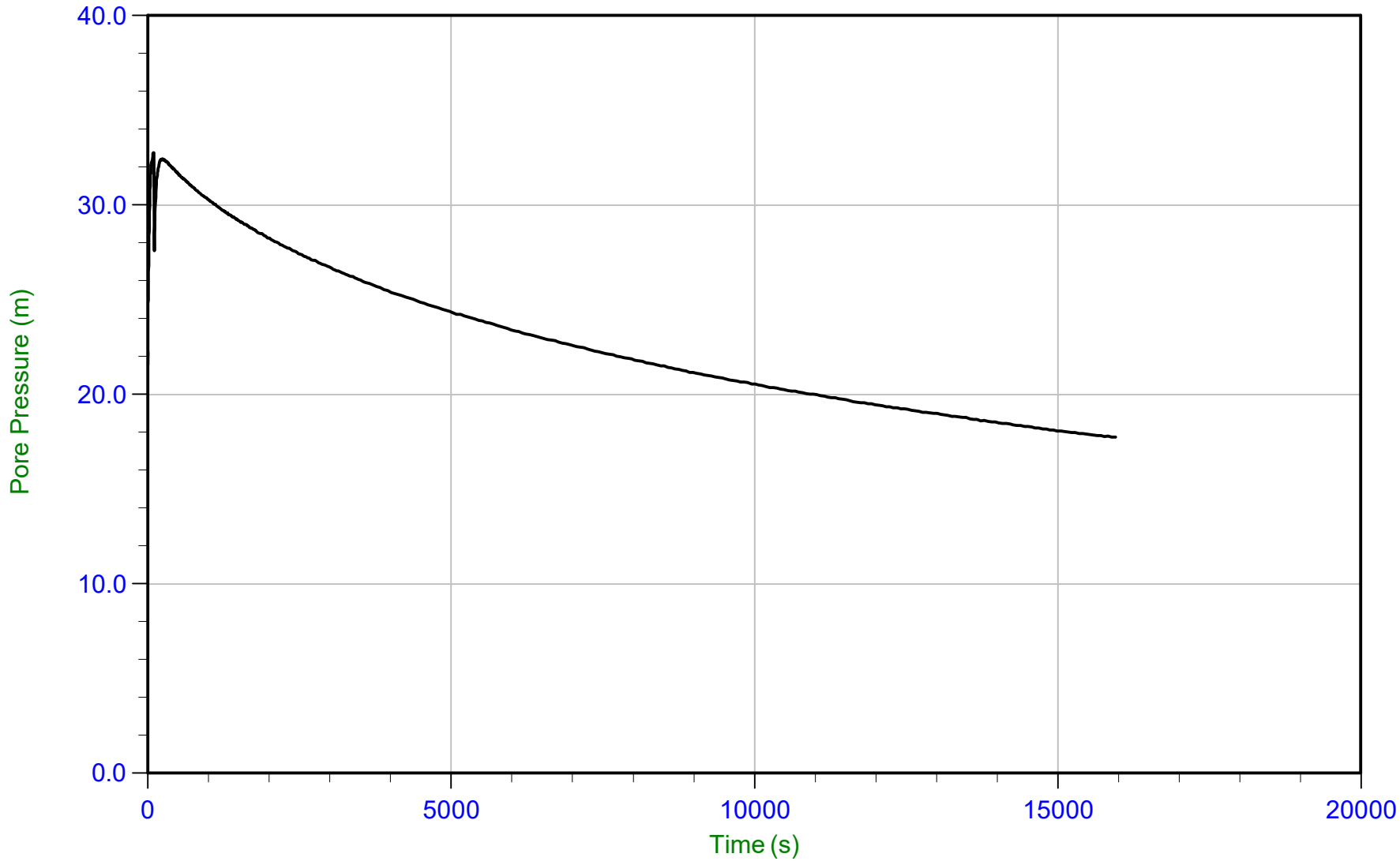
WT: 2.349 m / 7.707 ft
Ueq: 18.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/18/2022 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF23.PPF
Depth: 5.000 m / 16.404 ft
Duration: 15959.6 s

u Min: 17.7 m
u Max: 32.8 m
u Final: 17.7 m

WT: 1.078 m / 3.537 ft
Ueq: 3.9 m
U(50): 18.34 m

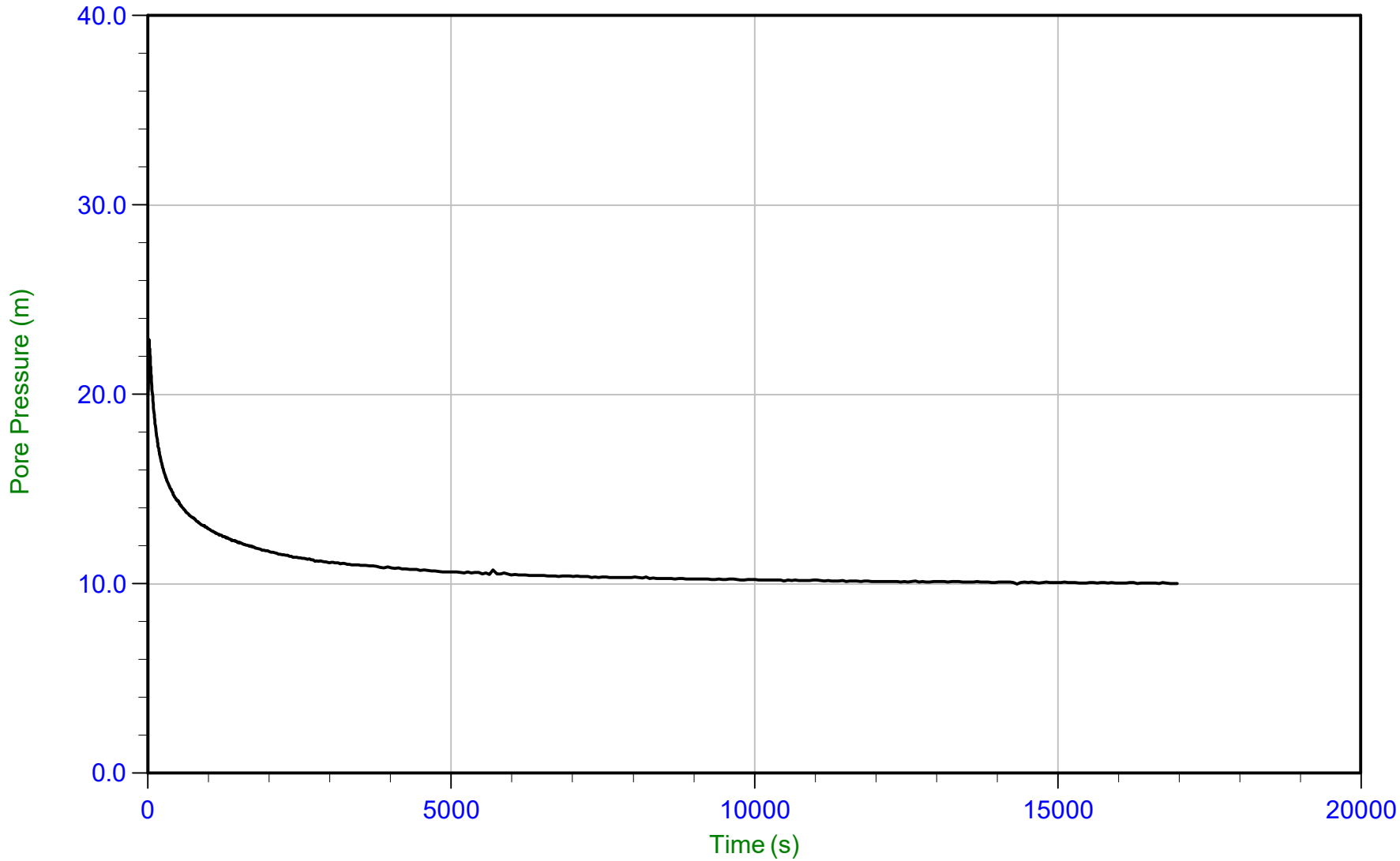
T(50): 14318.1 s
Ir: 100
Ch: 0.0 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/18/2022 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF23.PPF
Depth: 10.000 m / 32.808 ft
Duration: 16979.7 s

u Min: -5.7 m
u Max: 22.9 m
u Final: 10.0 m

WT: 1.078 m / 3.537 ft
Ueq: 8.9 m
U(50): 15.90 m

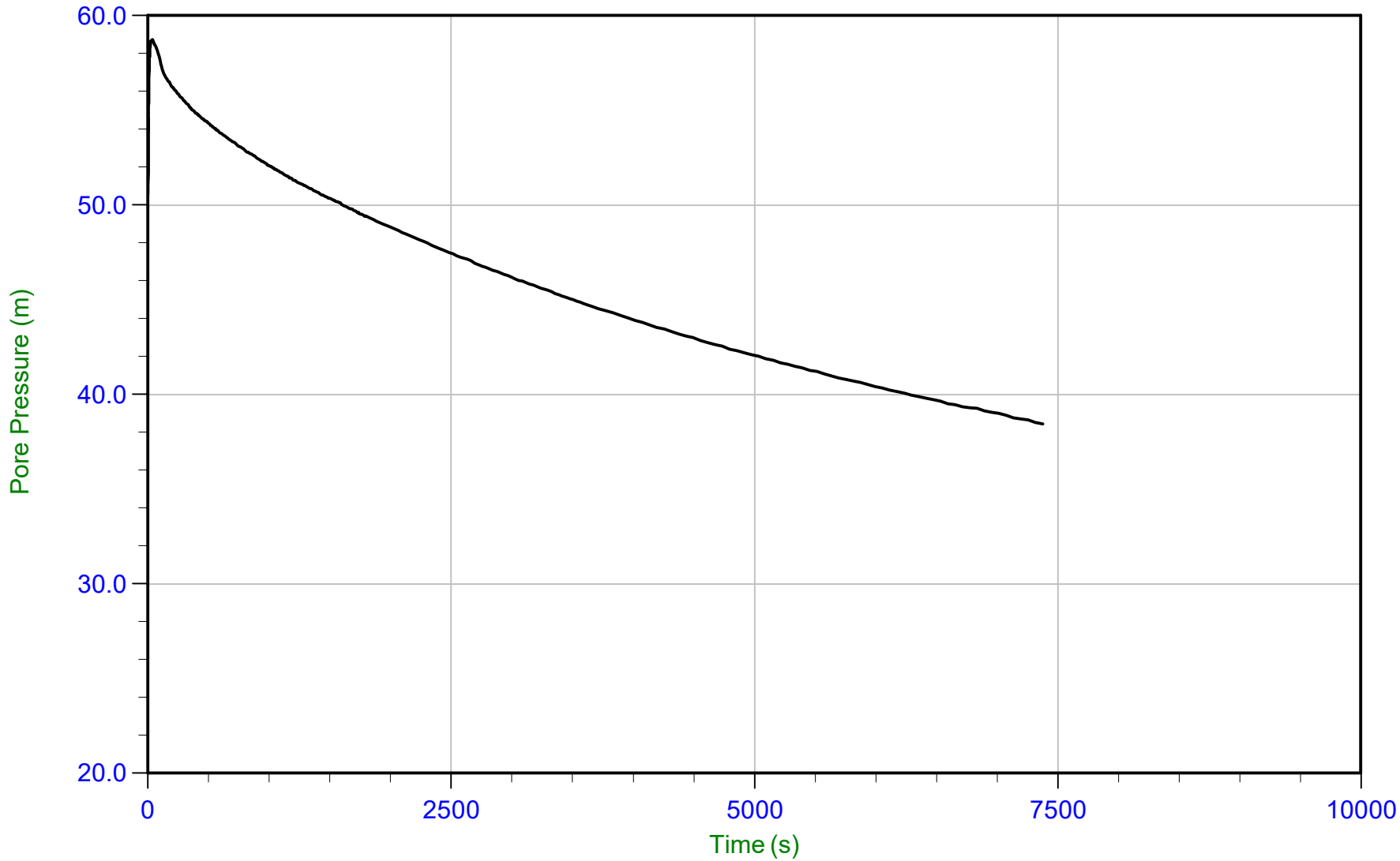
T(50): 250.3 s
Ir: 100
Ch: 2.8 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/18/2022 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF23.PPF
Depth: 15.000 m / 49.212 ft
Duration: 7379.8 s

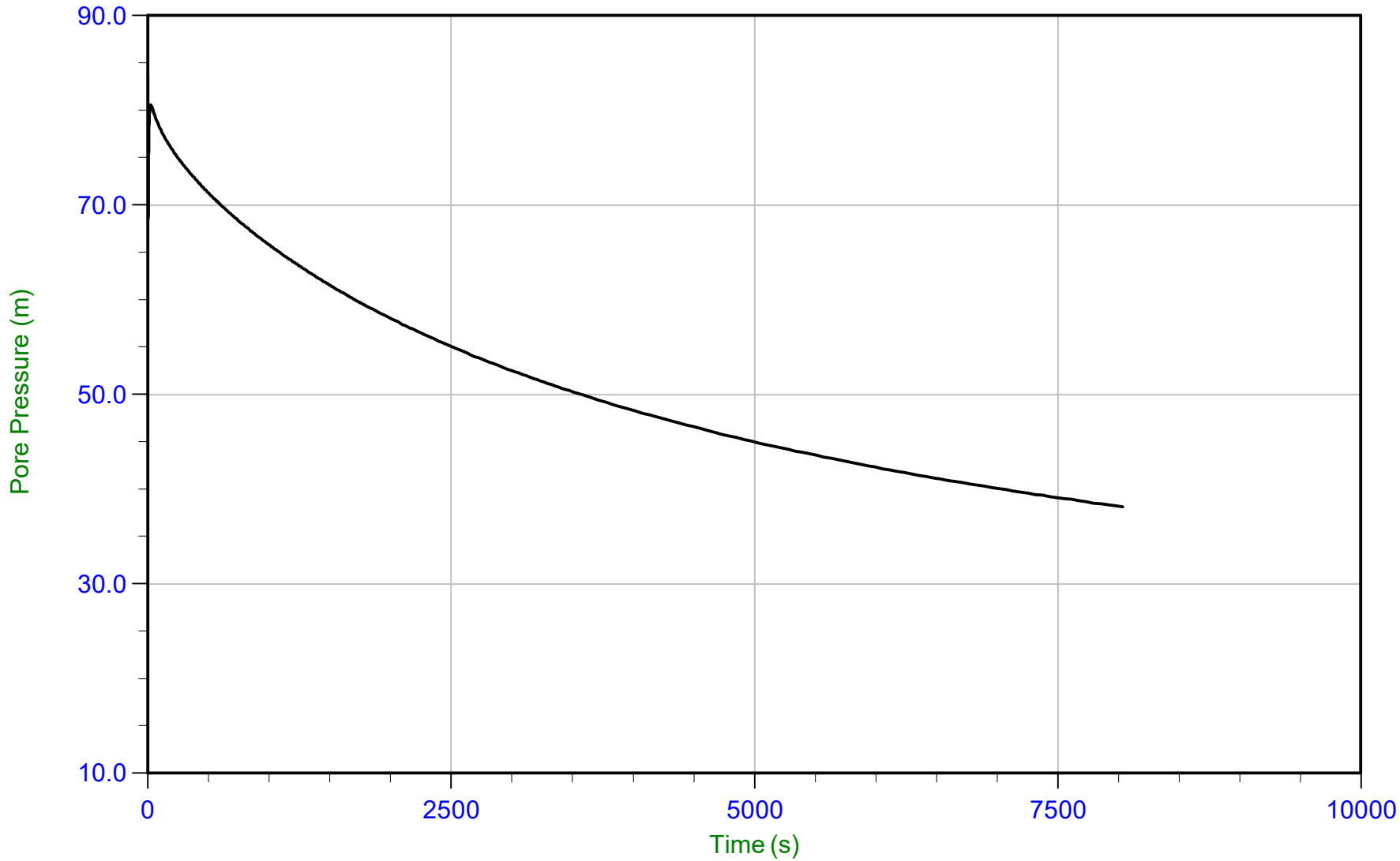
u Min: 38.5 m
u Max: 58.7 m
u Final: 38.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/18/2022 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF23.PPF
Depth: 20.025 m / 65.698 ft
Duration: 8039.8 s

u Min: 38.1 m
u Max: 83.7 m
u Final: 38.1 m

WT: 1.078 m / 3.537 ft
Ueq: 18.9 m
U(50): 51.32 m

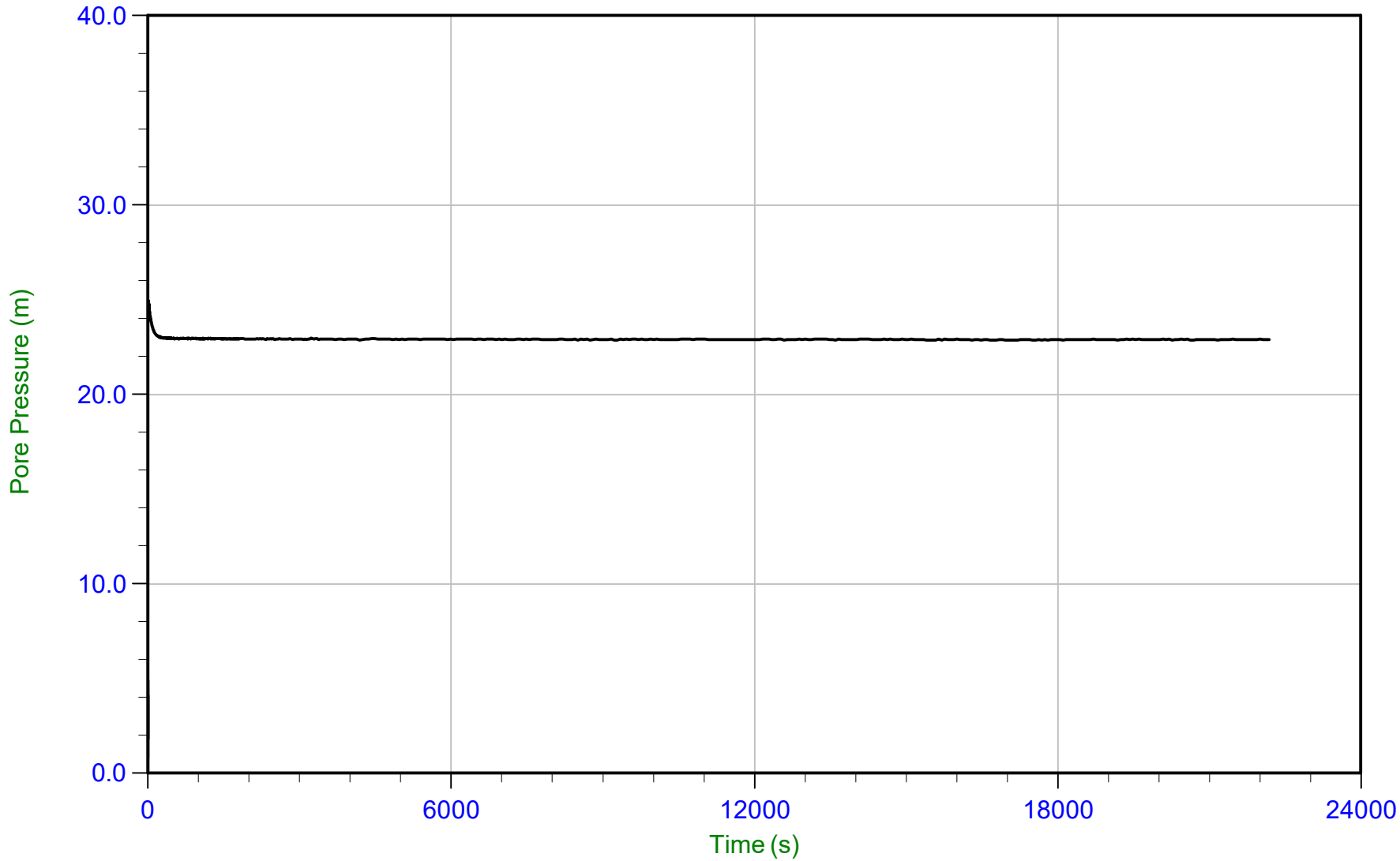
T(50): 3261.0 s
Ir: 100
Ch: 0.2 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/18/2022 09:03
Site: Crawford Mine

Sounding: SRK-TSF-CPT-23
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF23.PPF
Depth: 24.025 m / 78.821 ft
Duration: 22199.5 s

u Min: -1.0 m
u Max: 24.9 m
u Final: 22.9 m

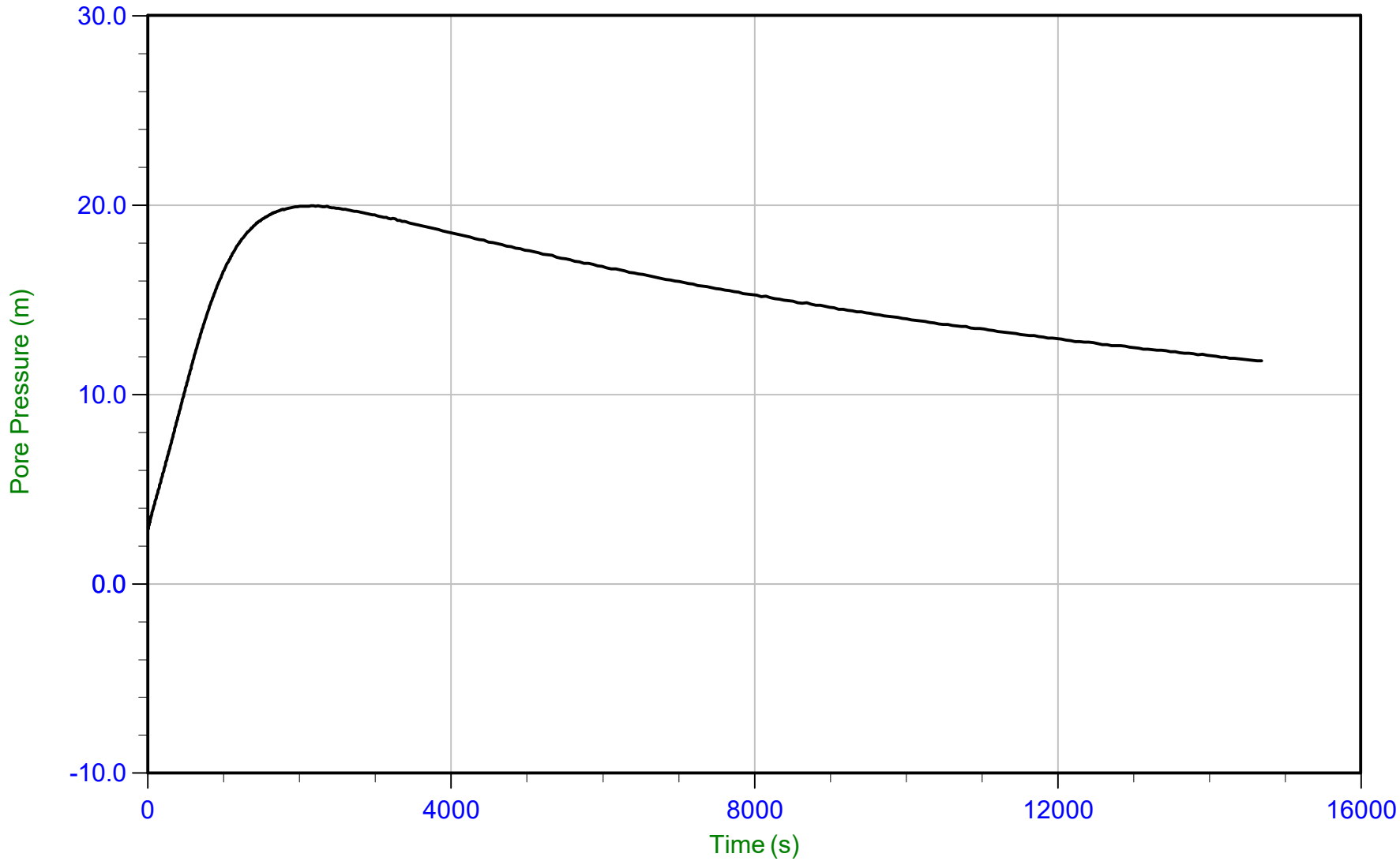
WT: 1.078 m / 3.537 ft
Ueq: 22.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/16/2022 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF29.PPF
Depth: 5.000 m / 16.404 ft
Duration: 14699.5 s

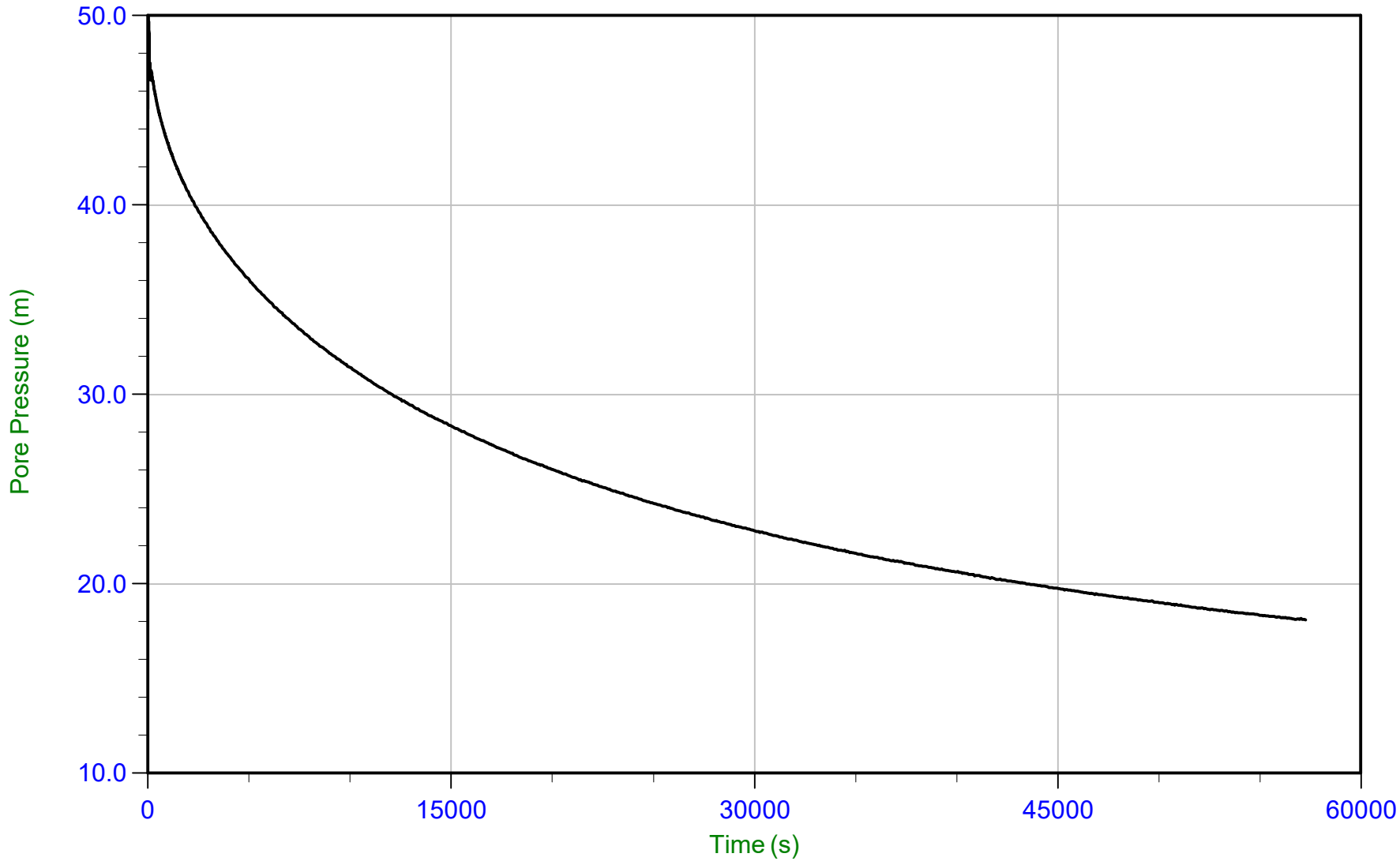
u Min: 2.9 m
u Max: 20.0 m
u Final: 11.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/16/2022 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF29.PPF
Depth: 10.000 m / 32.808 ft
Duration: 57298.0 s

u Min: 18.1 m
u Max: 50.5 m
u Final: 18.1 m

WT: -0.789 m / -2.589 ft
Ueq: 10.8 m
U(50): 30.63 m

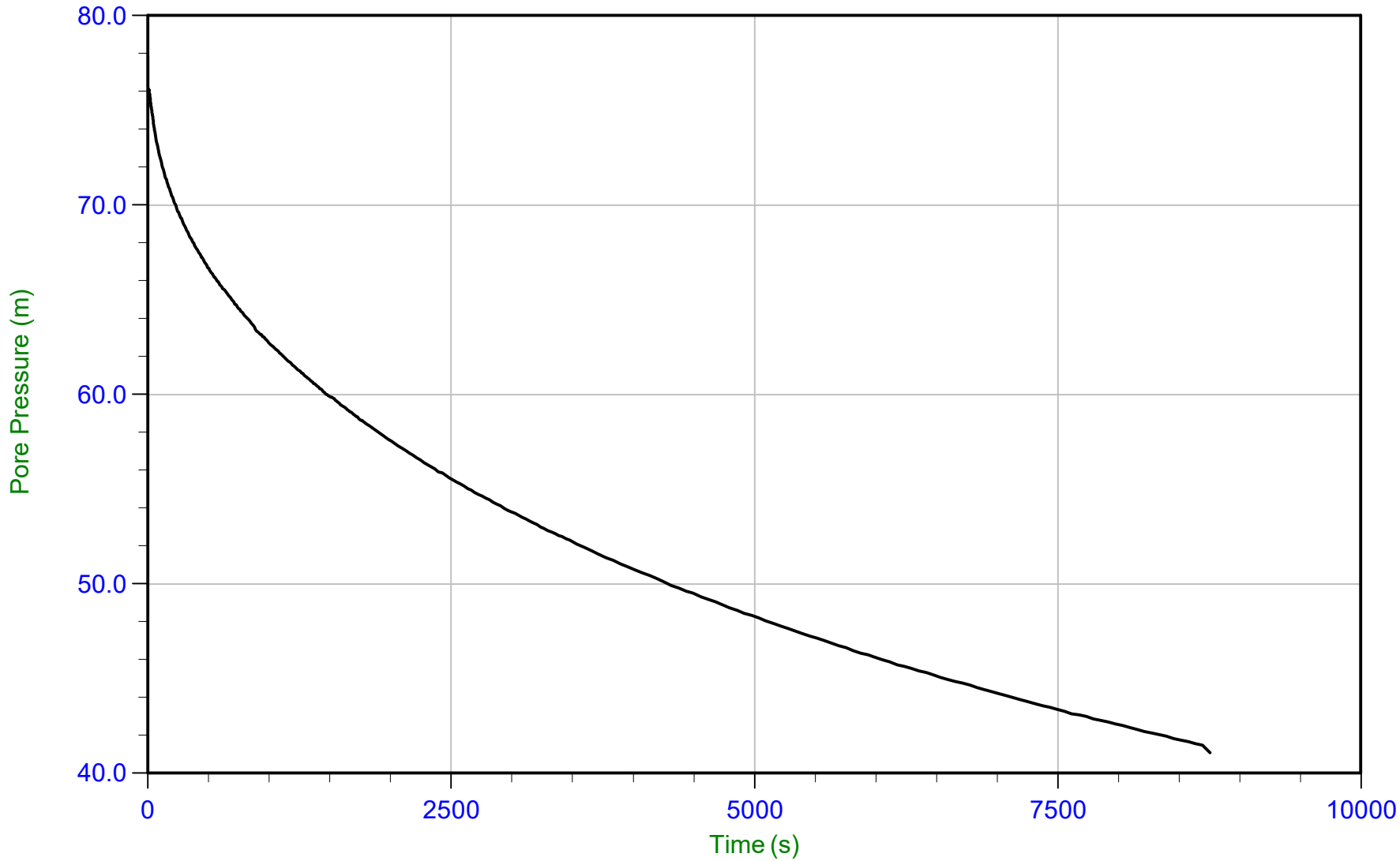
T(50): 11121.2 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/16/2022 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF29.PPF
Depth: 15.000 m / 49.212 ft
Duration: 8759.7 s

u Min: 41.1 m
u Max: 77.8 m
u Final: 41.1 m

WT: -0.789 m / -2.589 ft
Ueq: 15.8 m
U(50): 46.81 m

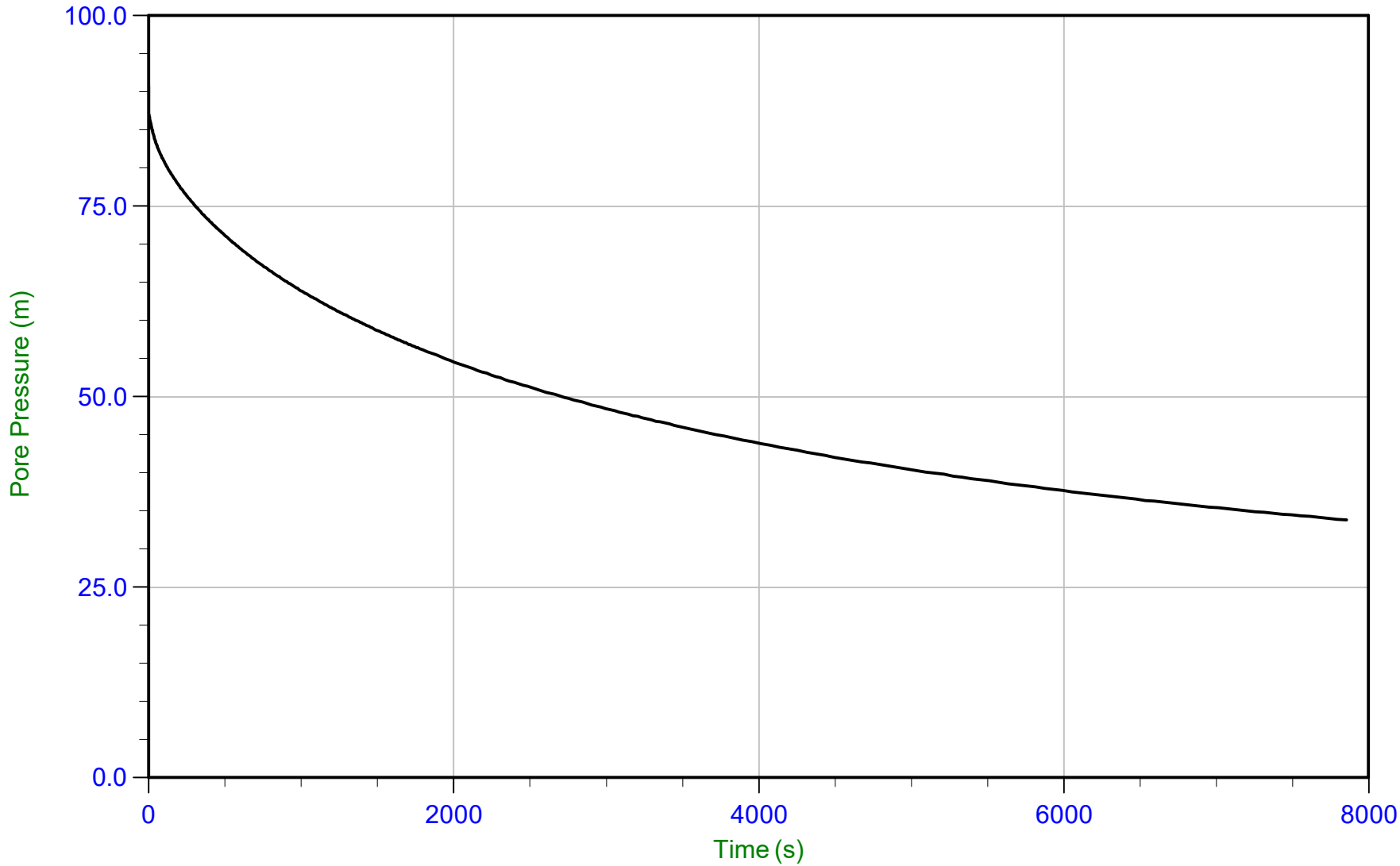
T(50): 5659.4 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/16/2022 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF29.PPF
Depth: 20.000 m / 65.616 ft
Duration: 7859.8 s

u Min: 33.8 m
u Max: 90.8 m
u Final: 33.8 m

WT: -0.789 m / -2.589 ft
Ueq: 20.8 m
U(50): 55.77 m

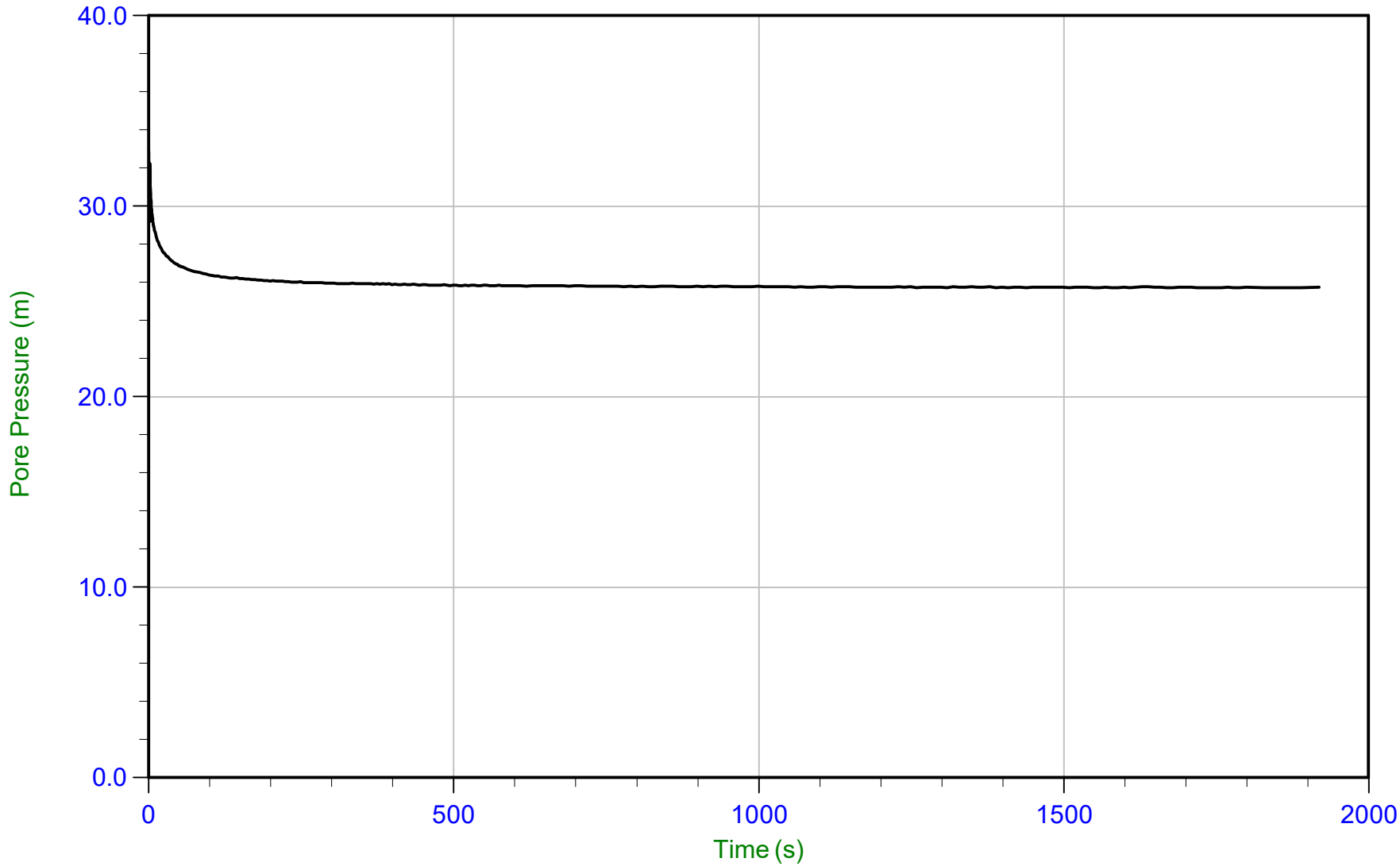
T(50): 1848.4 s
Ir: 100
Ch: 0.4 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 03/16/2022 08:43
Site: Crawford Mine

Sounding: SRK-TSF-CPT-29
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_CPTSF29.PPF
Depth: 25.000 m / 82.020 ft
Duration: 1920.0 s

u Min: 25.7 m
u Max: 32.9 m
u Final: 25.7 m

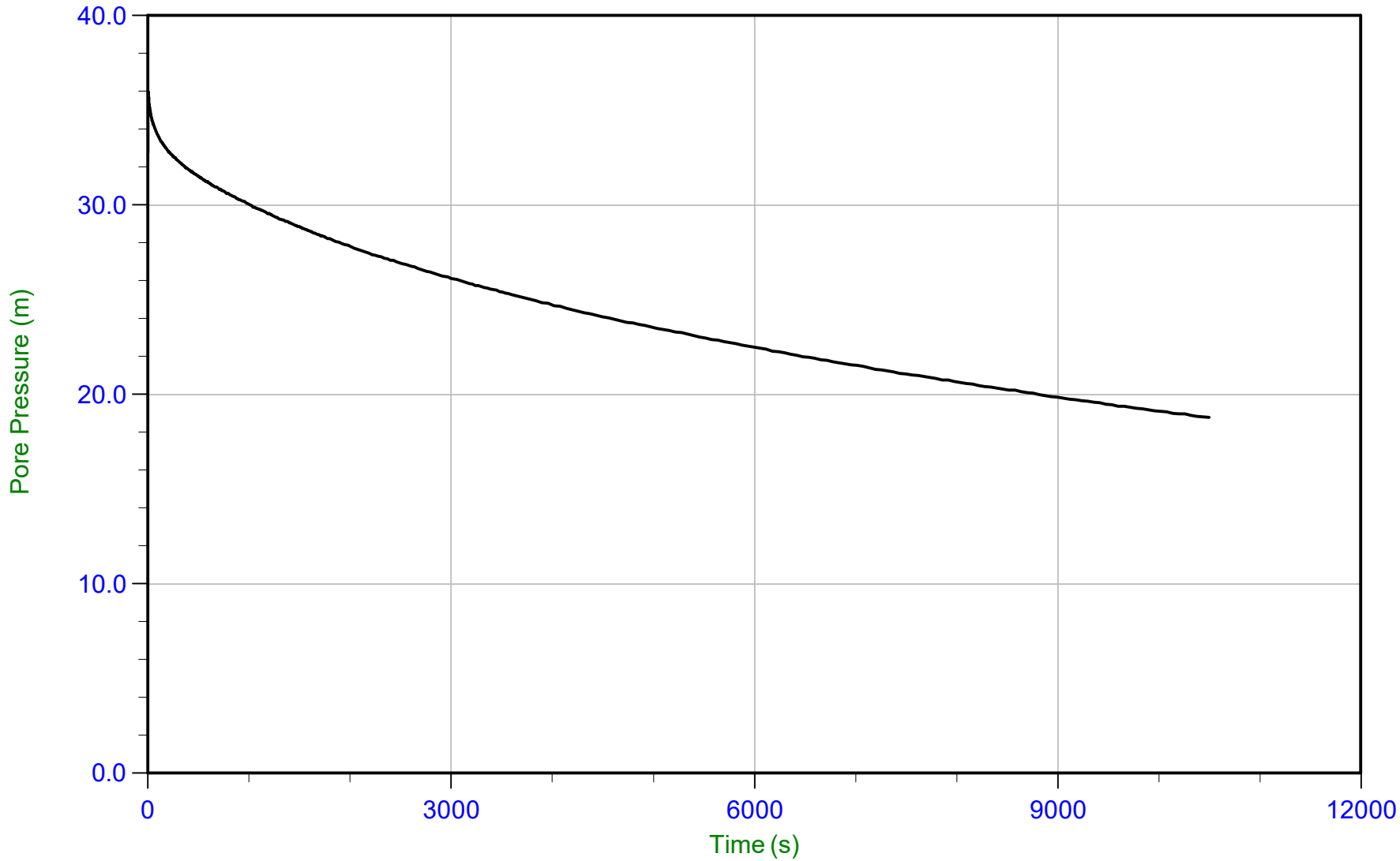
WT: -0.789 m / -2.589 ft
Ueq: 25.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/27/2021 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF102.PPF
Depth: 5.000 m / 16.404 ft
Duration: 10500.0 s

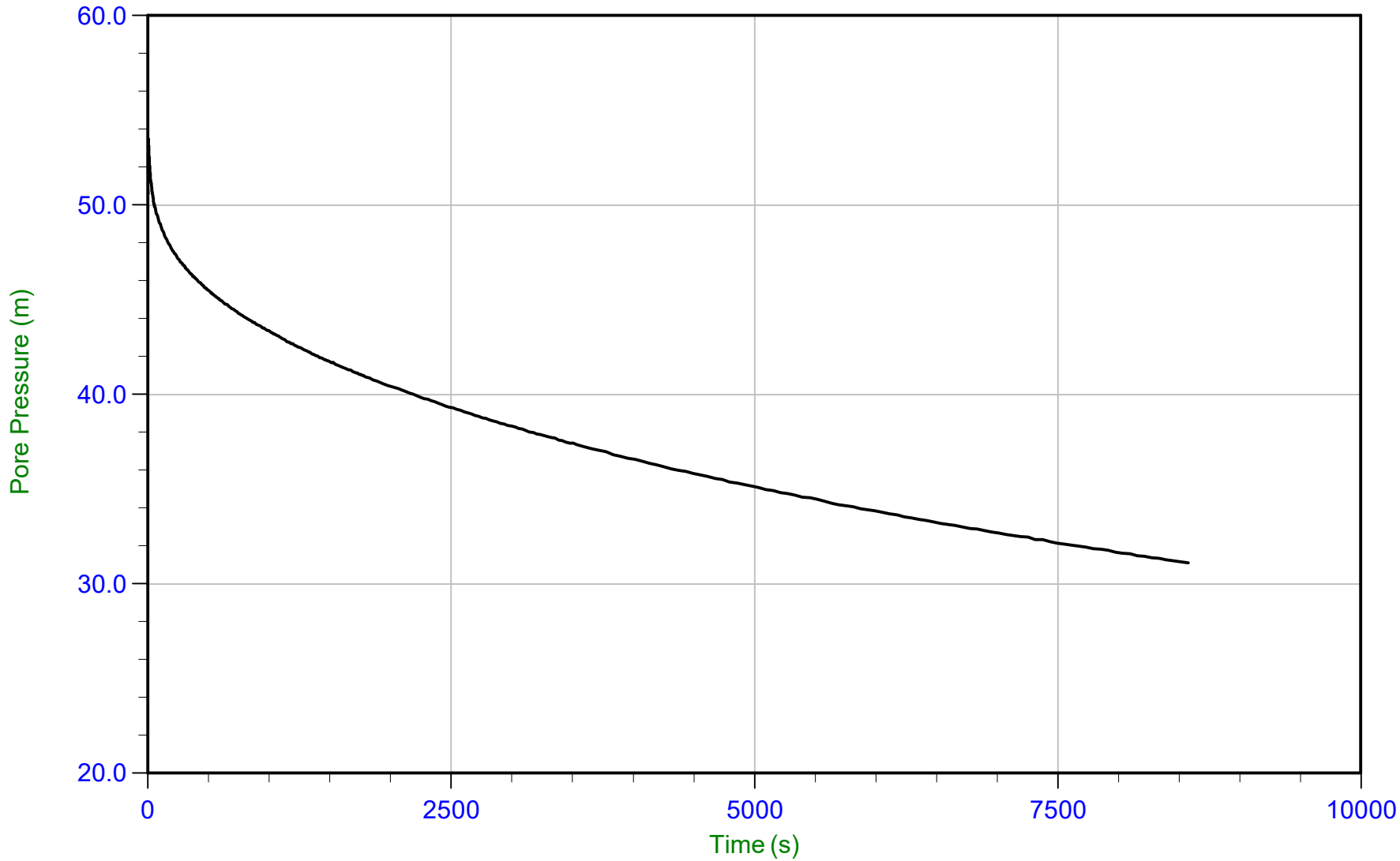
u Min: 18.8 m
u Max: 36.0 m
u Final: 18.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/27/2021 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF102.PPF
Depth: 10.000 m / 32.808 ft
Duration: 8580.0 s

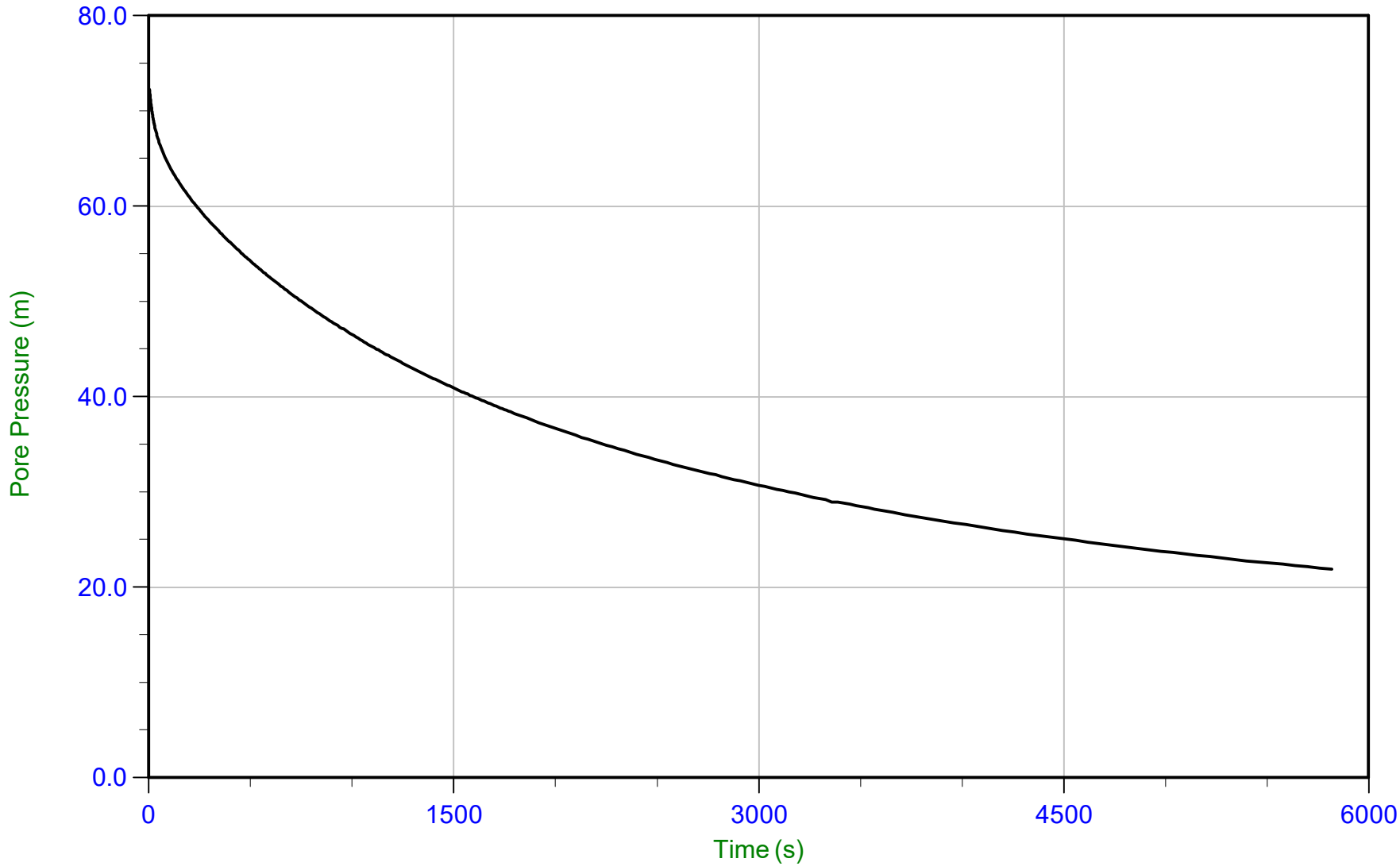
u Min: 31.1 m
u Max: 53.5 m
u Final: 31.1 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/27/2021 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF102.PPF
Depth: 15.000 m / 49.212 ft
Duration: 5820.0 s

u Min: 21.9 m
u Max: 72.3 m
u Final: 21.9 m

WT: 5.053 m / 16.578 ft
Ueq: 9.9 m
U(50): 41.13 m

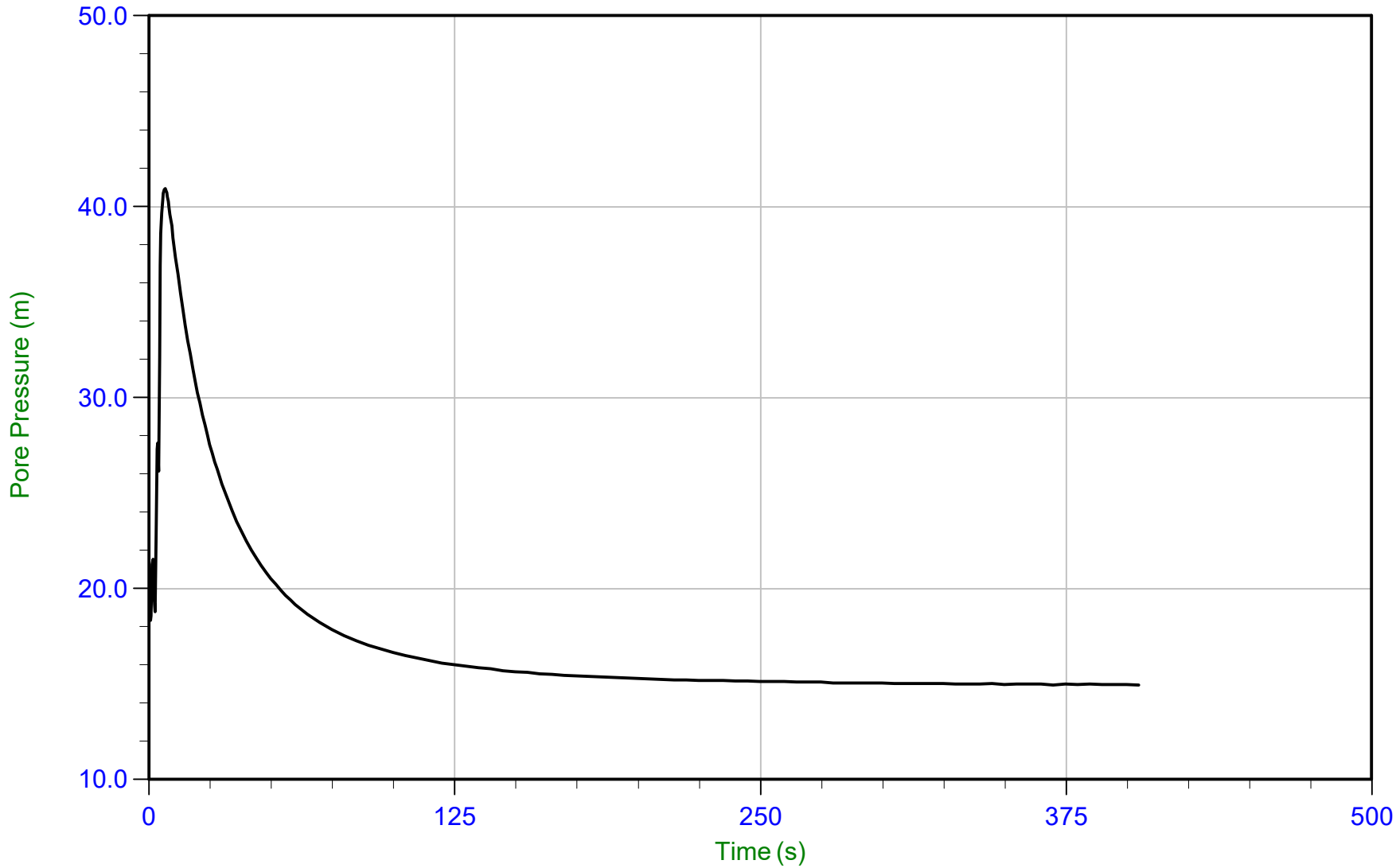
T(50): 1477.9 s
Ir: 100
Ch: 0.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/27/2021 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF102.PPF
Depth: 20.000 m / 65.616 ft
Duration: 405.0 s

u Min: 15.0 m
u Max: 40.9 m
u Final: 15.0 m

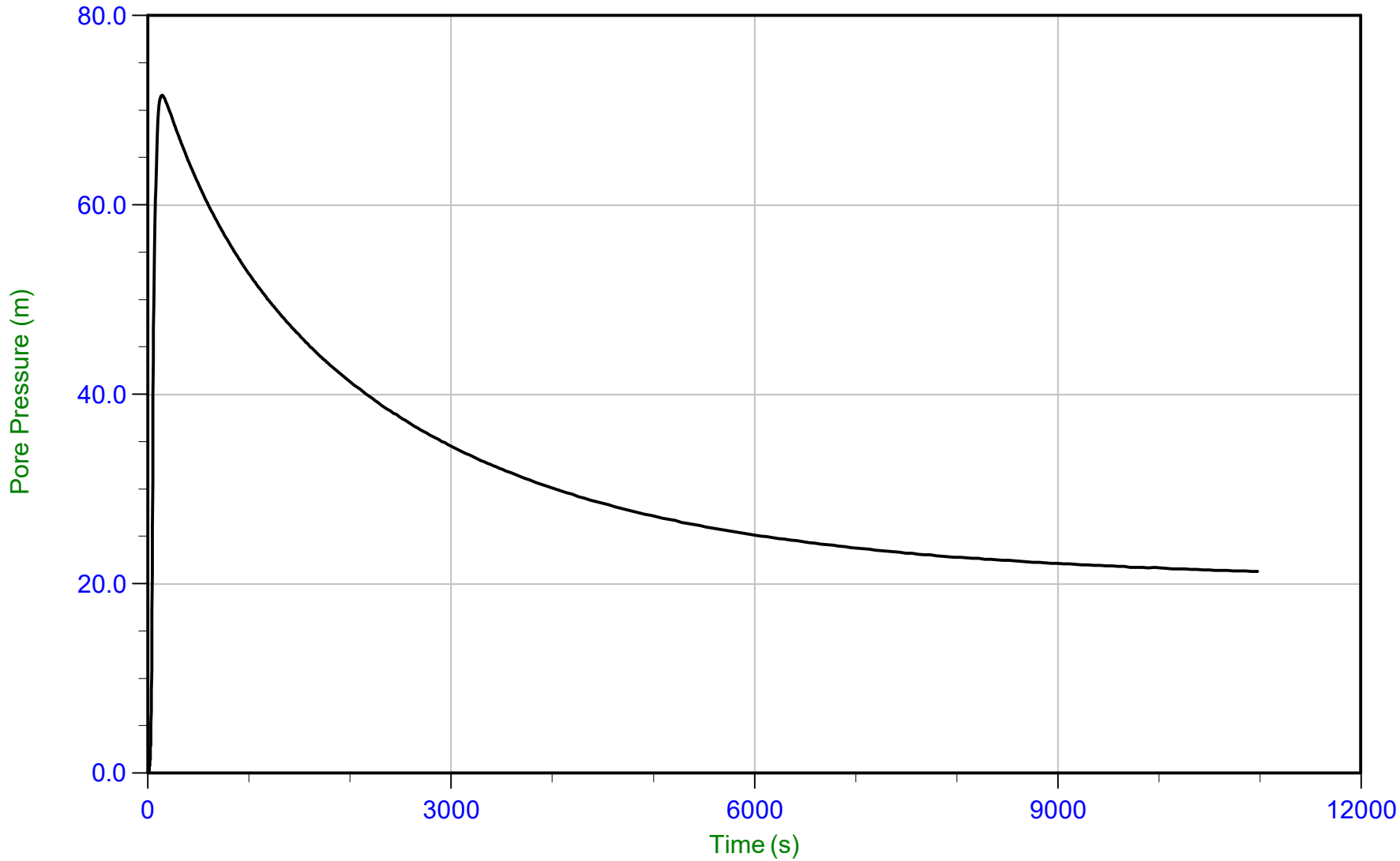
WT: 5.053 m / 16.578 ft
Ueq: 14.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/27/2021 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF102.PPF
Depth: 25.000 m / 82.020 ft
Duration: 10980.0 s

u Min: -3.0 m
u Max: 71.6 m
u Final: 21.3 m

WT: 5.812 m / 19.068 ft
Ueq: 19.2 m
U(50): 45.39 m

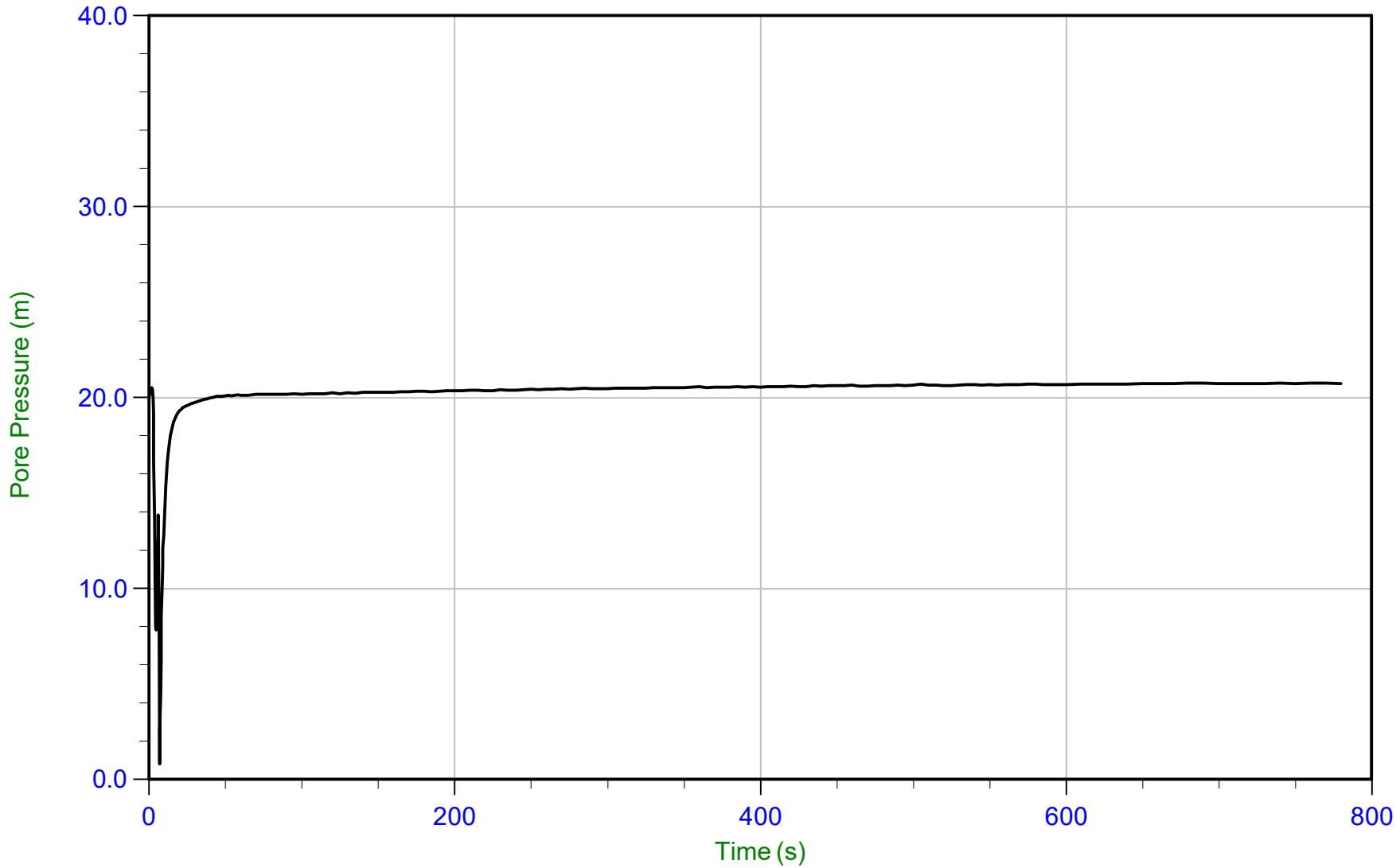
T(50): 1431.6 s
Ir: 100
Ch: 0.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 11/27/2021 07:19
Site: Crawford Mine

Sounding: SRK-TSF-CPT-102
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPTSF102.PPF
Depth: 26.950 m / 88.418 ft
Duration: 780.0 s

u Min: 0.8 m
u Max: 20.8 m
u Final: 20.7 m

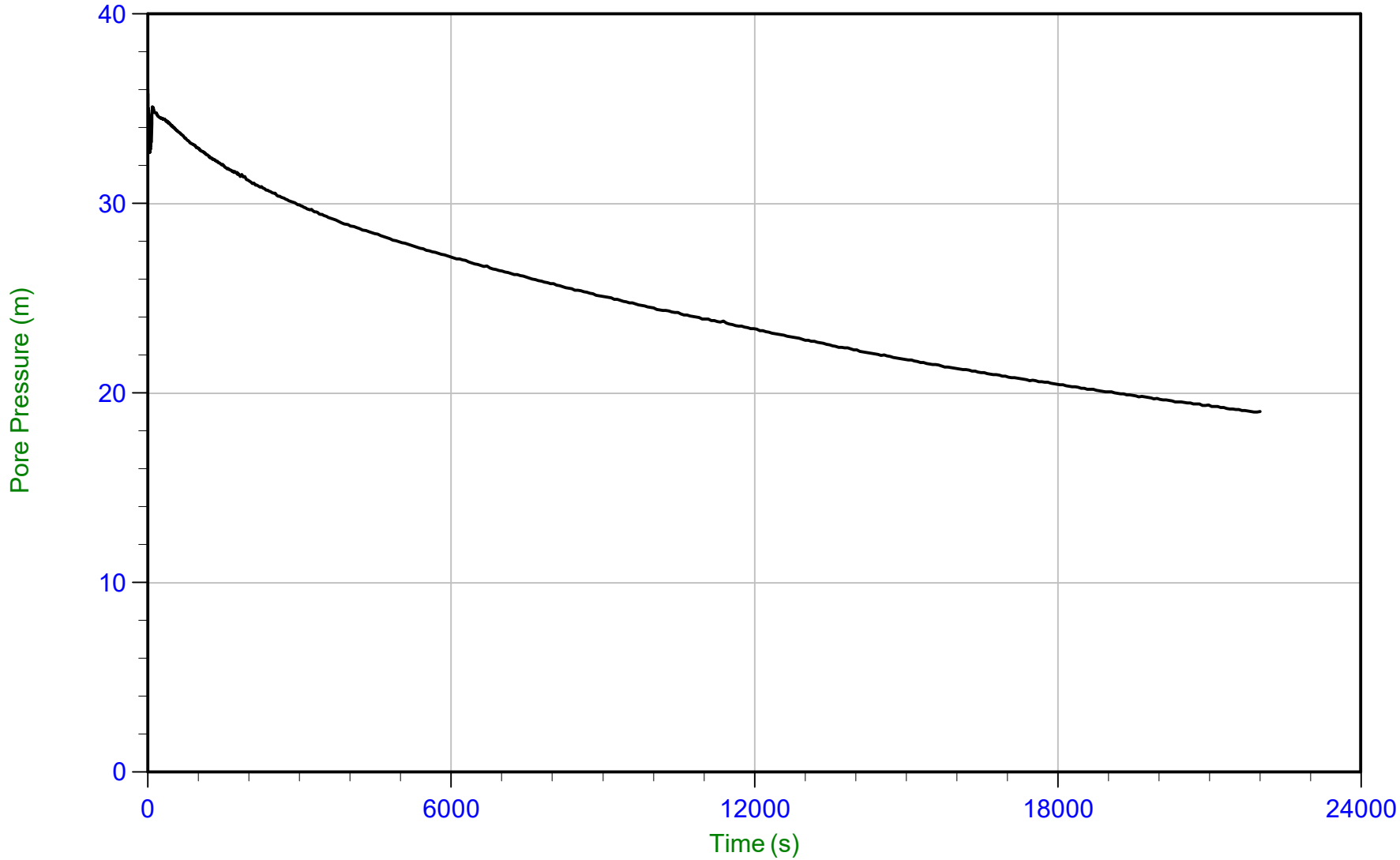
WT: 6.108 m / 20.039 ft
Ueq: 20.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/28/2022 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWOS01.PPF
Depth: 5.000 m / 16.404 ft
Duration: 22019.7 s

u Min: 19.0 m
u Max: 36.0 m
u Final: 19.0 m

WT: 0.212 m / 0.696 ft
Ueq: 4.8 m
U(50): 20.42 m

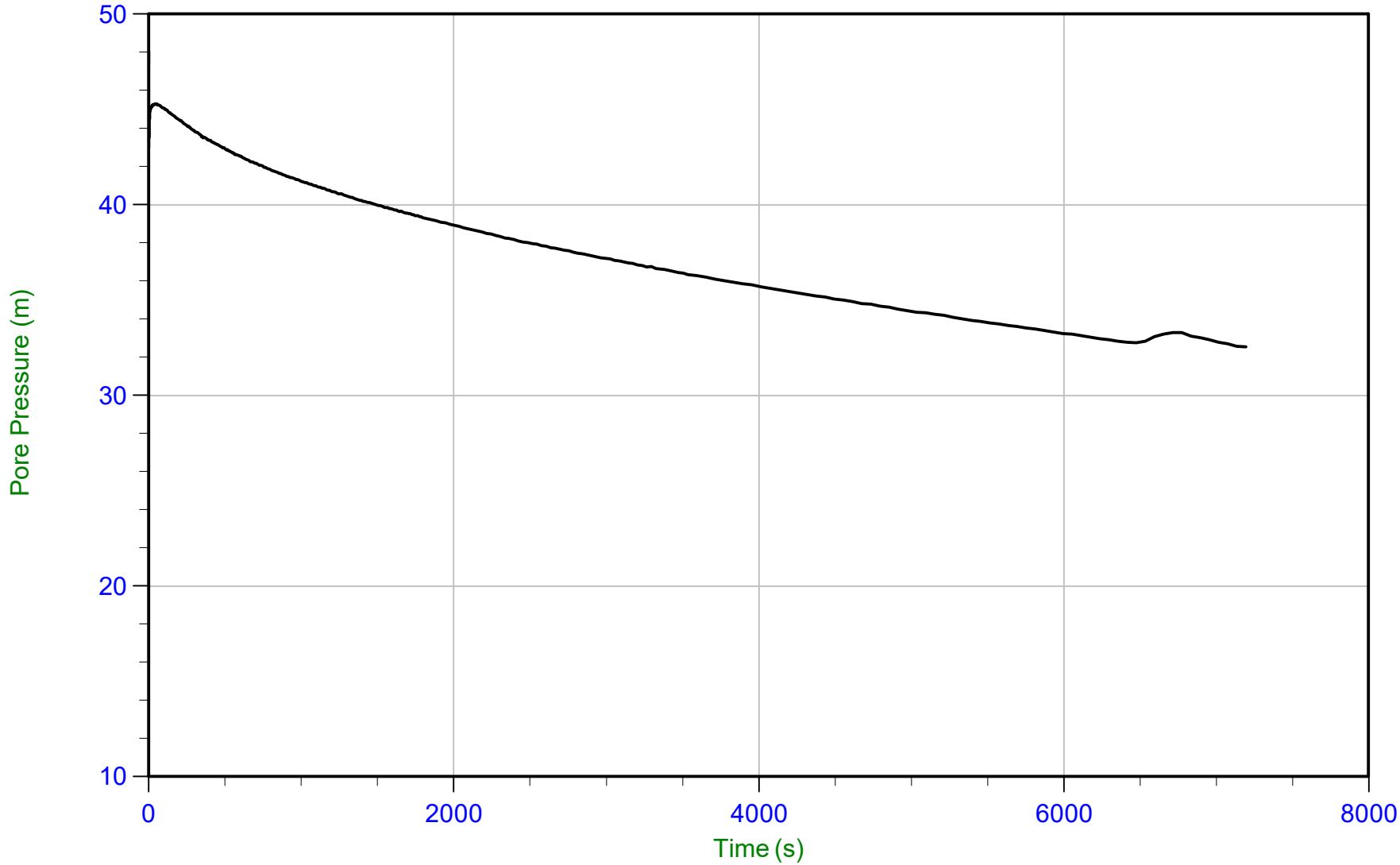
T(50): 18148.8 s
Ir: 100
Ch: 0.0 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/28/2022 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWOS01.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7199.9 s

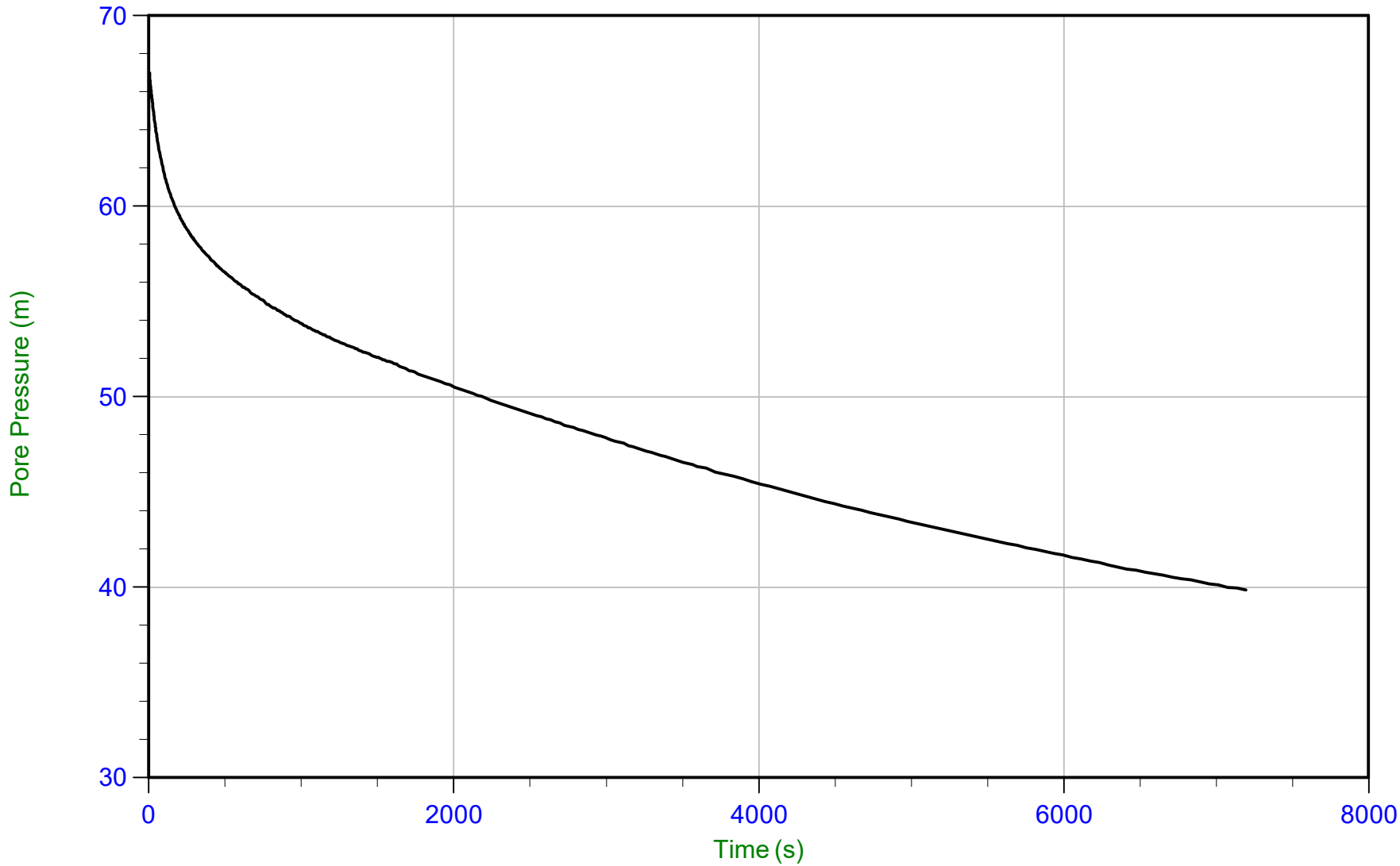
u Min: 32.5 m
u Max: 48.0 m
u Final: 32.5 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/28/2022 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWOS01.PPF
Depth: 15.000 m / 49.212 ft
Duration: 7199.9 s

u Min: 39.8 m
u Max: 67.0 m
u Final: 39.8 m

WT: 0.212 m / 0.696 ft
Ueq: 14.8 m
U(50): 40.89 m

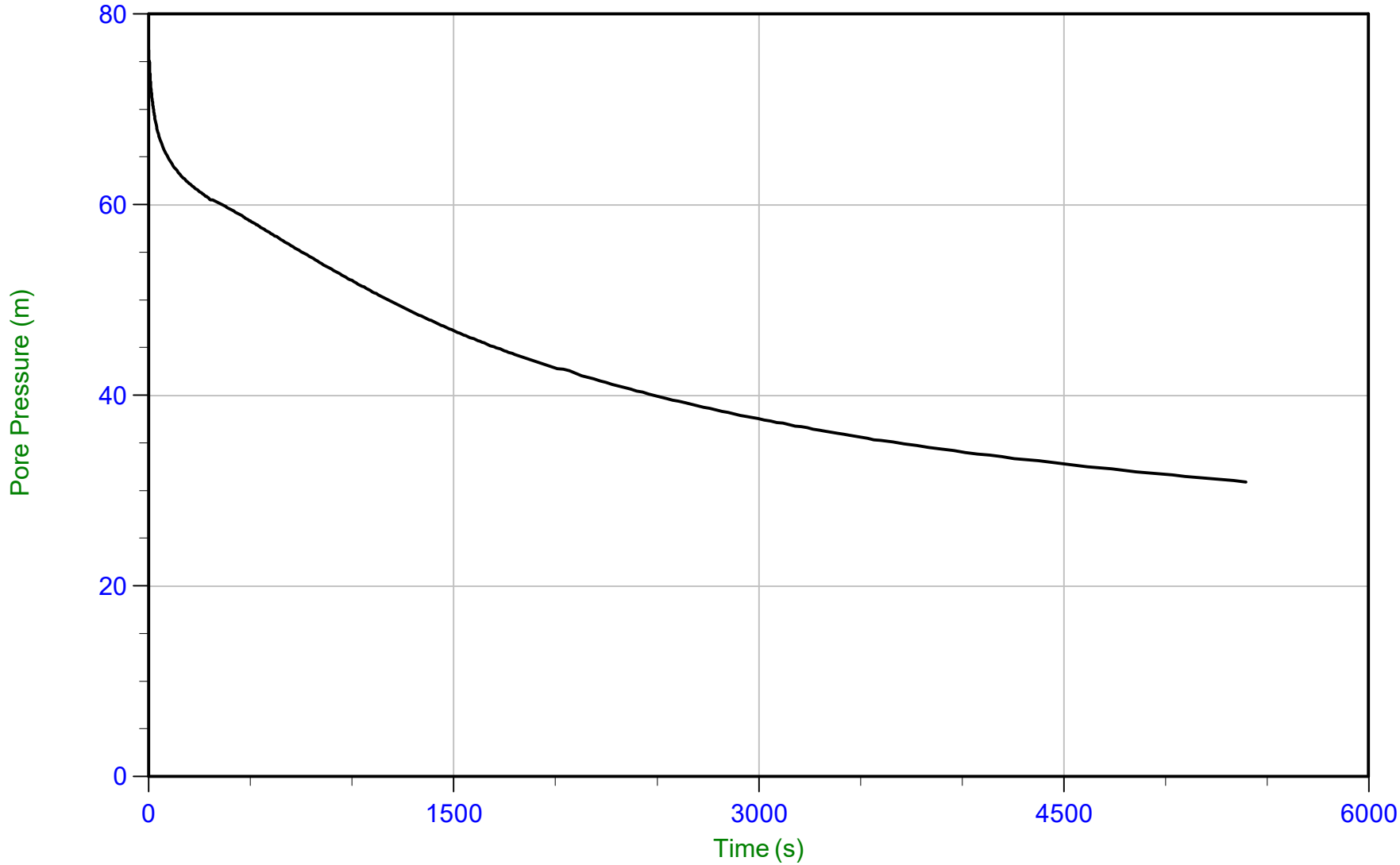
T(50): 6467.9 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/28/2022 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWOS01.PPF
Depth: 20.025 m / 65.698 ft
Duration: 5399.9 s

u Min: 30.9 m
u Max: 76.2 m
u Final: 30.9 m

WT: 0.212 m / 0.696 ft
Ueq: 19.8 m
U(50): 48.03 m

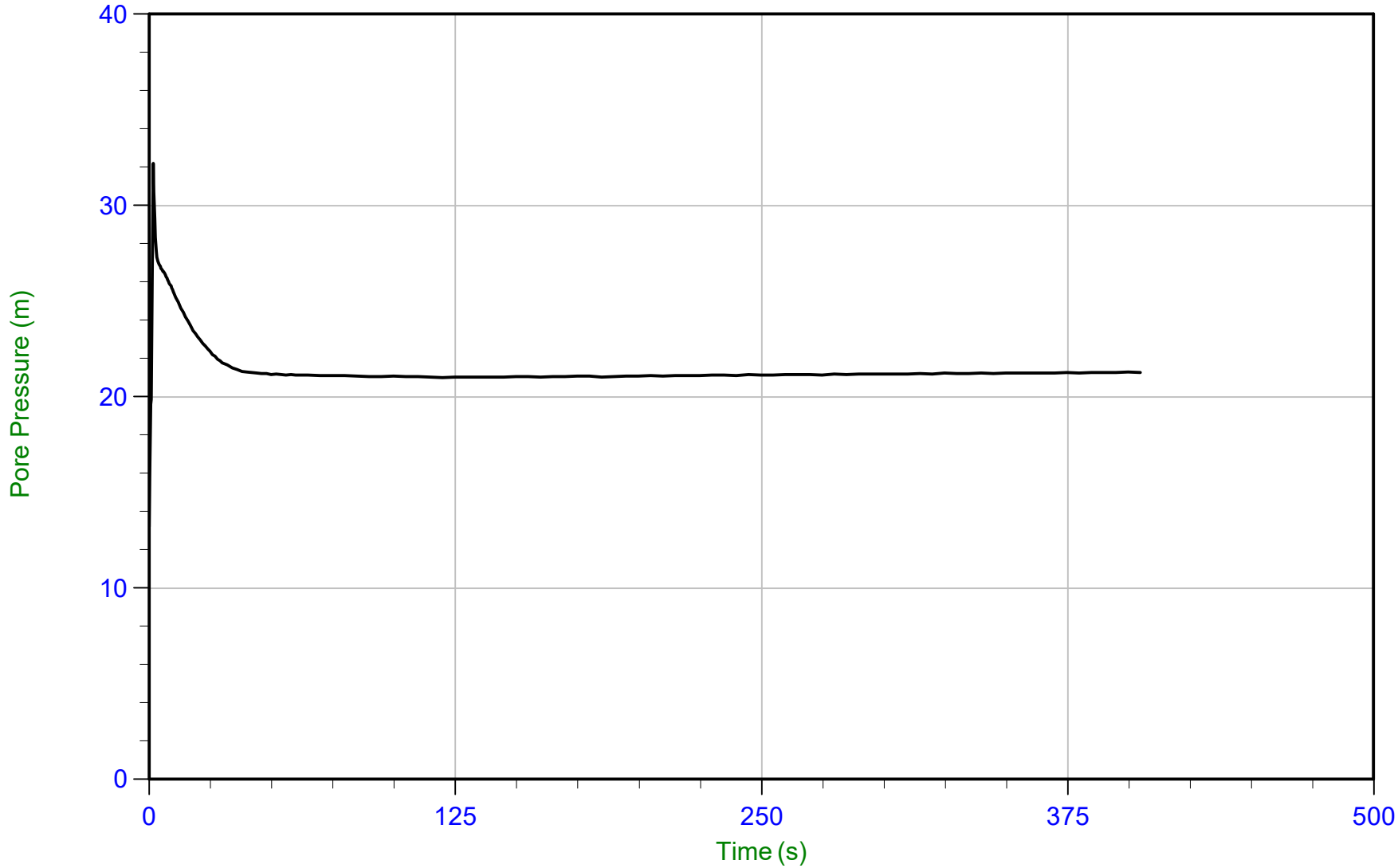
T(50): 1368.5 s
Ir: 100
Ch: 0.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/28/2022 10:43
Site: Crawford Mine

Sounding: SRK-WOS-CPT-01
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWOS01.PPF
Depth: 21.475 m / 70.455 ft
Duration: 405.0 s

u Min: 13.2 m
u Max: 32.2 m
u Final: 21.3 m

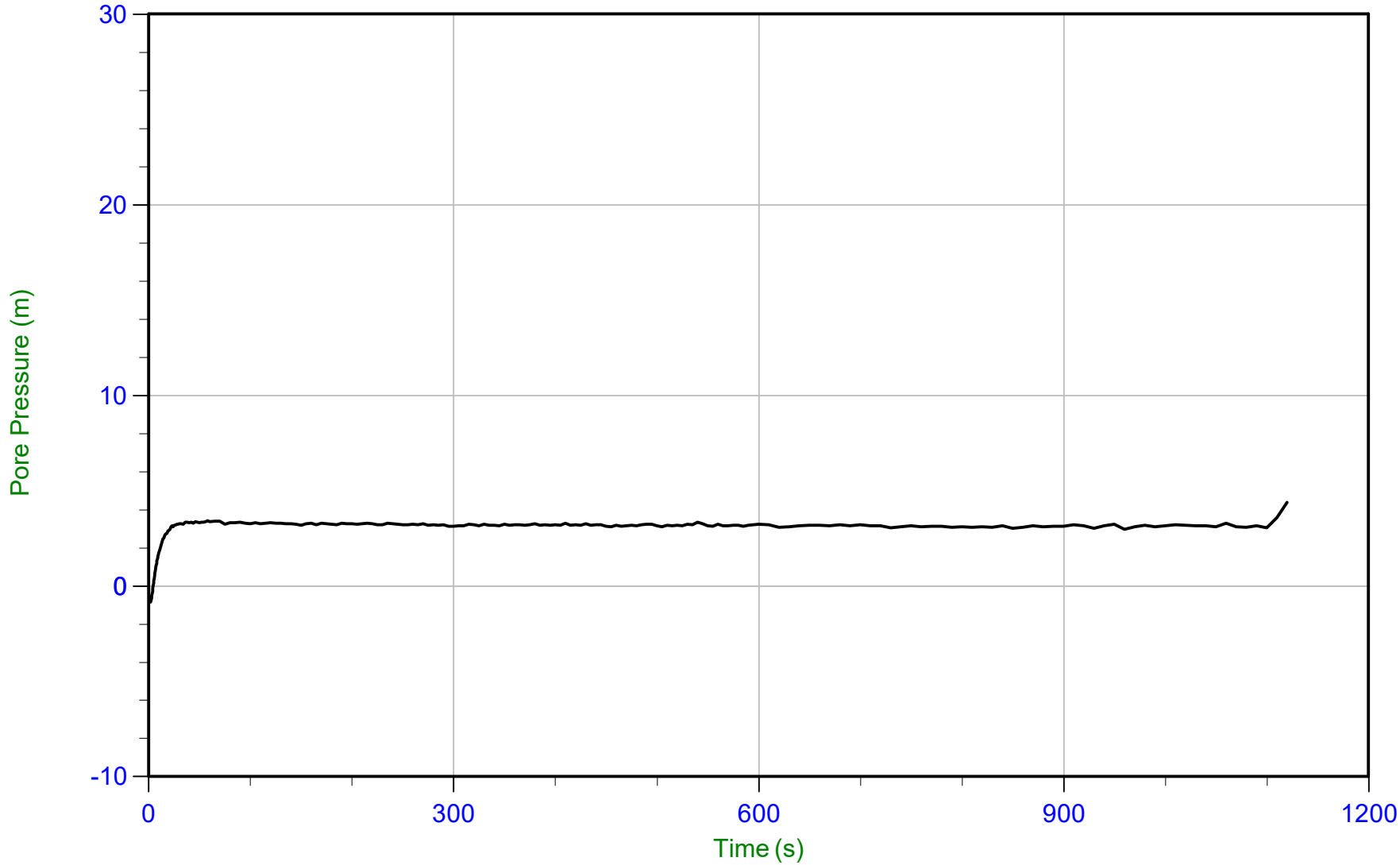
WT: 0.212 m / 0.696 ft
Ueq: 21.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/08/2022 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD10.PPF
Depth: 3.000 m / 9.842 ft
Duration: 1120.0 s

u Min: -0.8 m
u Max: 4.4 m
u Final: 4.4 m

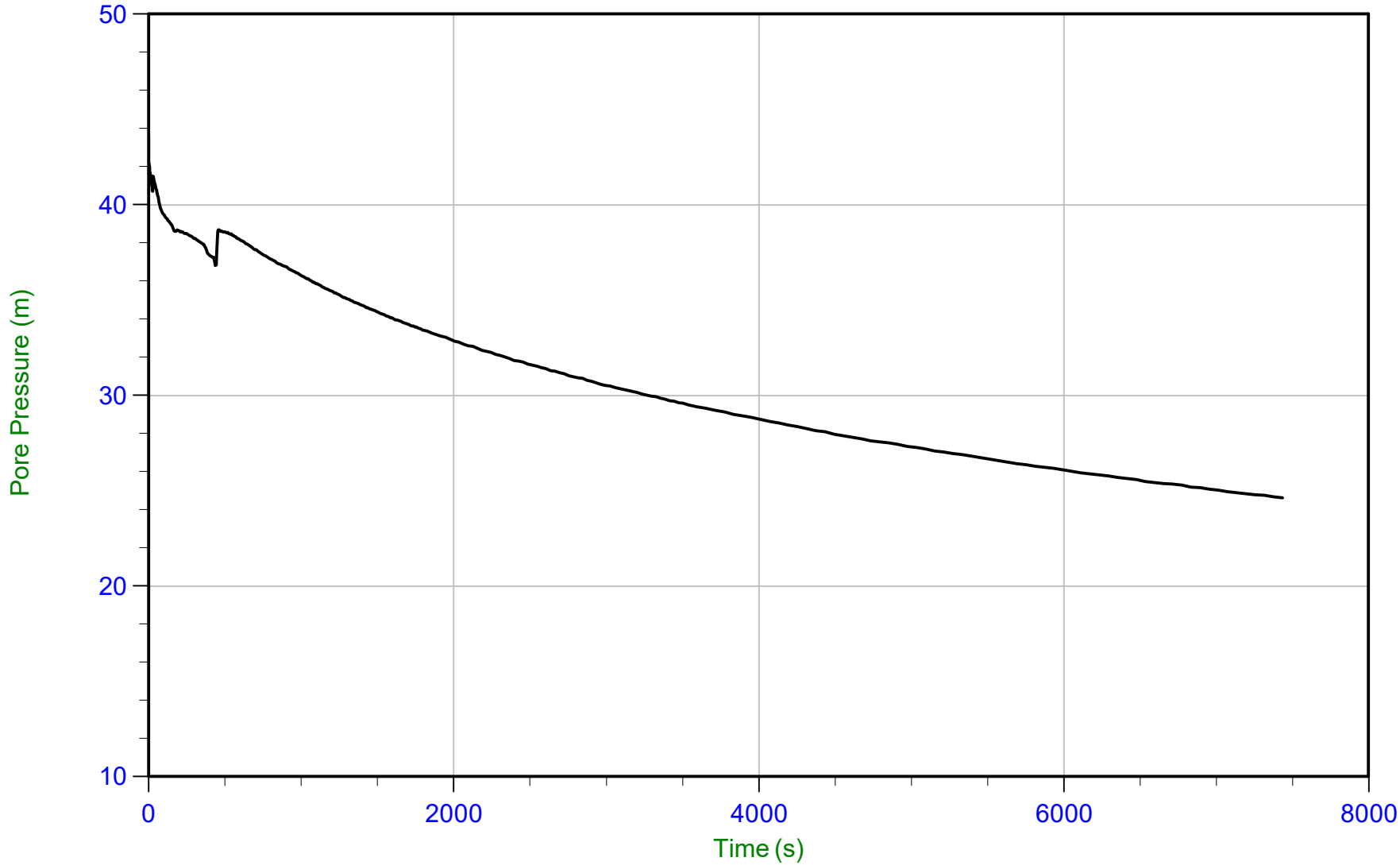
WT: 0.053 m / 0.174 ft
Ueq: 2.9 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/08/2022 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD10.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7440.0 s

u Min: 24.6 m
u Max: 43.6 m
u Final: 24.6 m

WT: 0.053 m / 0.174 ft
Ueq: 9.9 m
U(50): 26.78 m

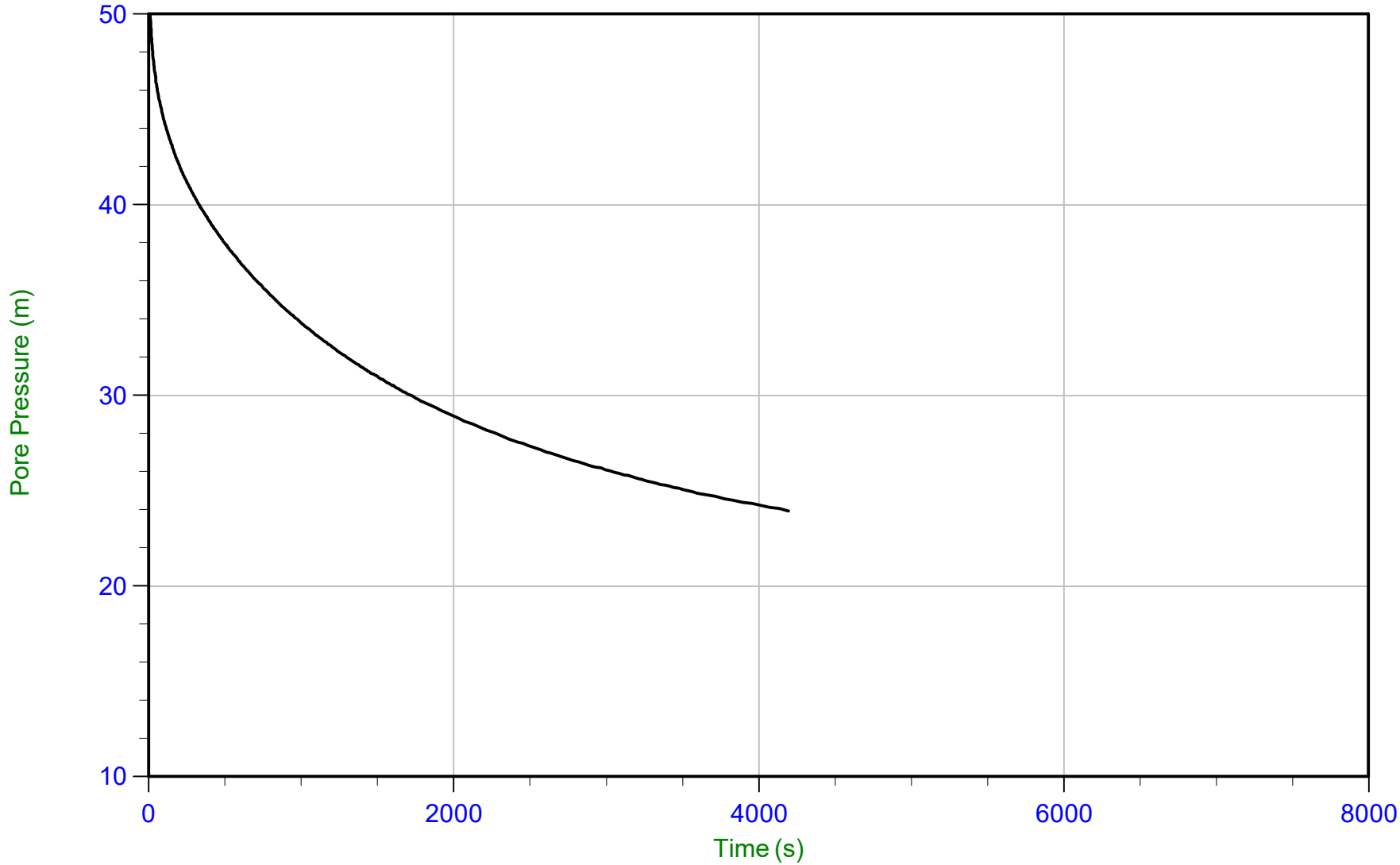
T(50): 5421.3 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 01/08/2022 10:51
Site: Crawford Mine

Sounding: SRK-WRD-CPT-10
Cone: 726:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD10.PPF
Depth: 15.000 m / 49.212 ft
Duration: 4200.0 s

u Min: 23.9 m
u Max: 50.3 m
u Final: 23.9 m

WT: 0.053 m / 0.174 ft
Ueq: 14.9 m
U(50): 32.64 m

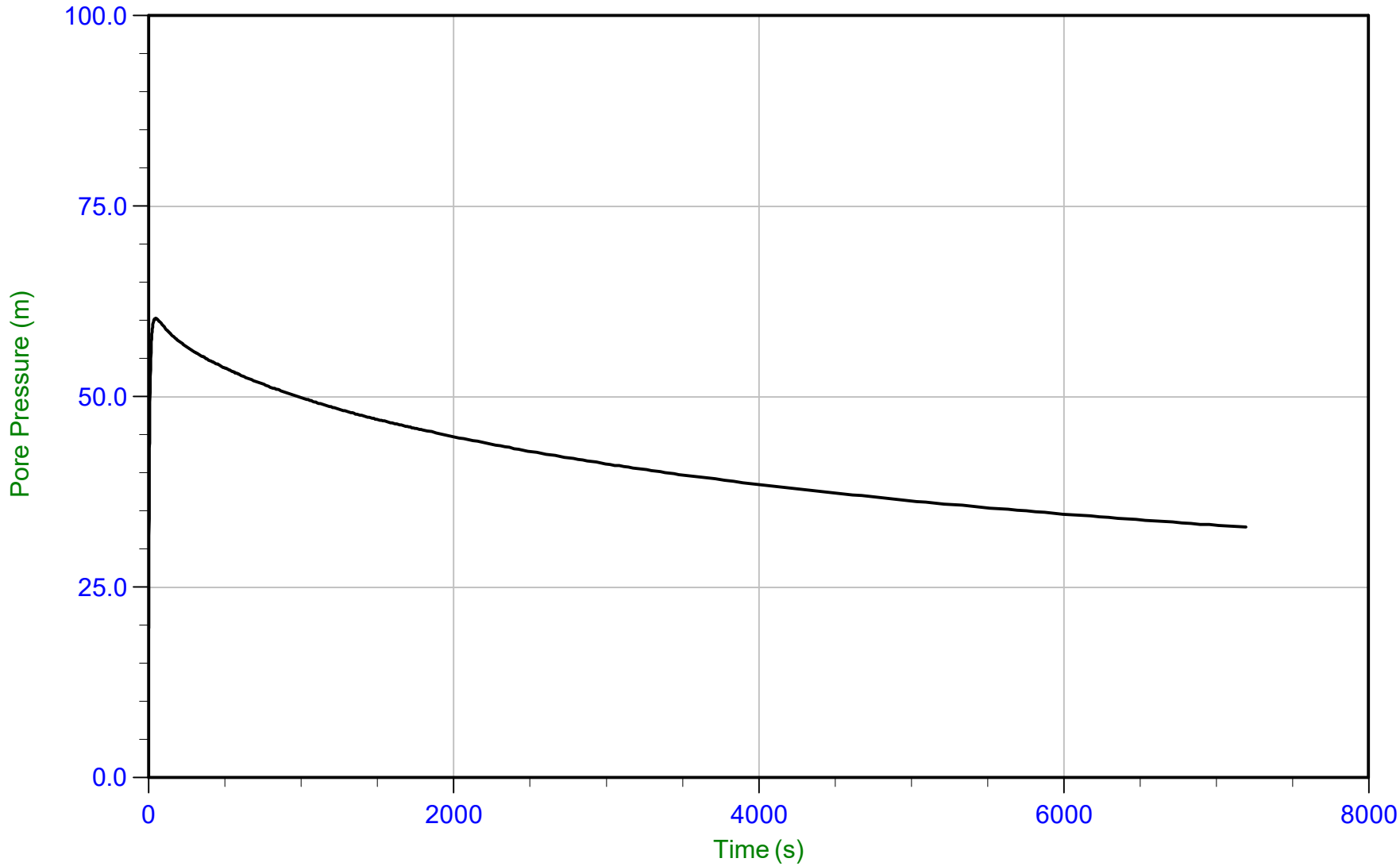
T(50): 1181.8 s
Ir: 100
Ch: 0.6 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/12/2022 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD14.PPF
Depth: 5.025 m / 16.486 ft
Duration: 7199.9 s

u Min: 19.6 m
u Max: 60.3 m
u Final: 32.9 m

WT: -0.688 m / -2.257 ft
Ueq: 5.7 m
U(50): 32.99 m

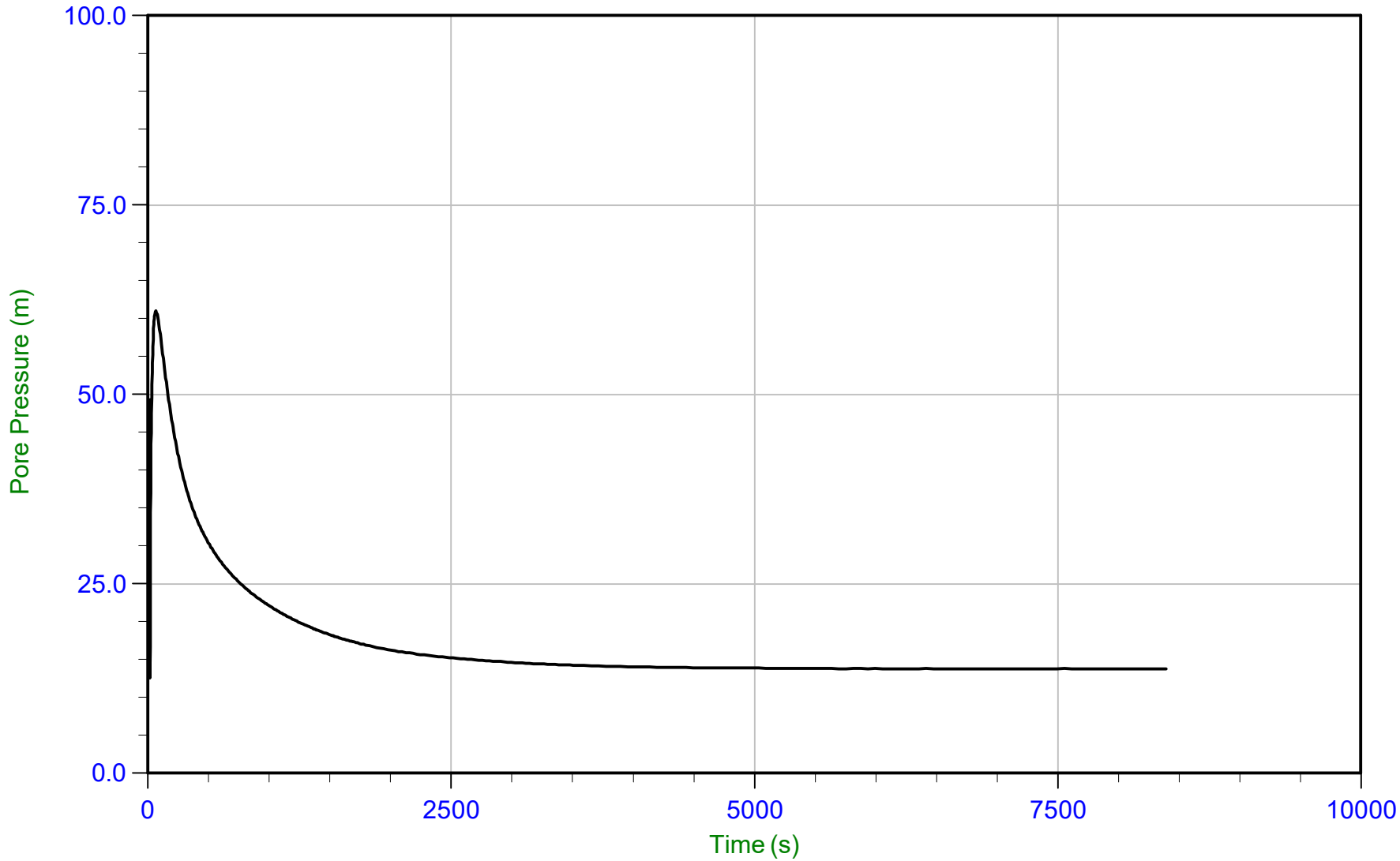
T(50): 7062.6 s
Ir: 100
Ch: 0.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/12/2022 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD14.PPF
Depth: 5.925 m / 19.439 ft
Duration: 8399.9 s

u Min: 12.6 m
u Max: 61.0 m
u Final: 13.8 m

WT: -0.688 m / -2.257 ft
Ueq: 6.6 m
U(50): 33.81 m

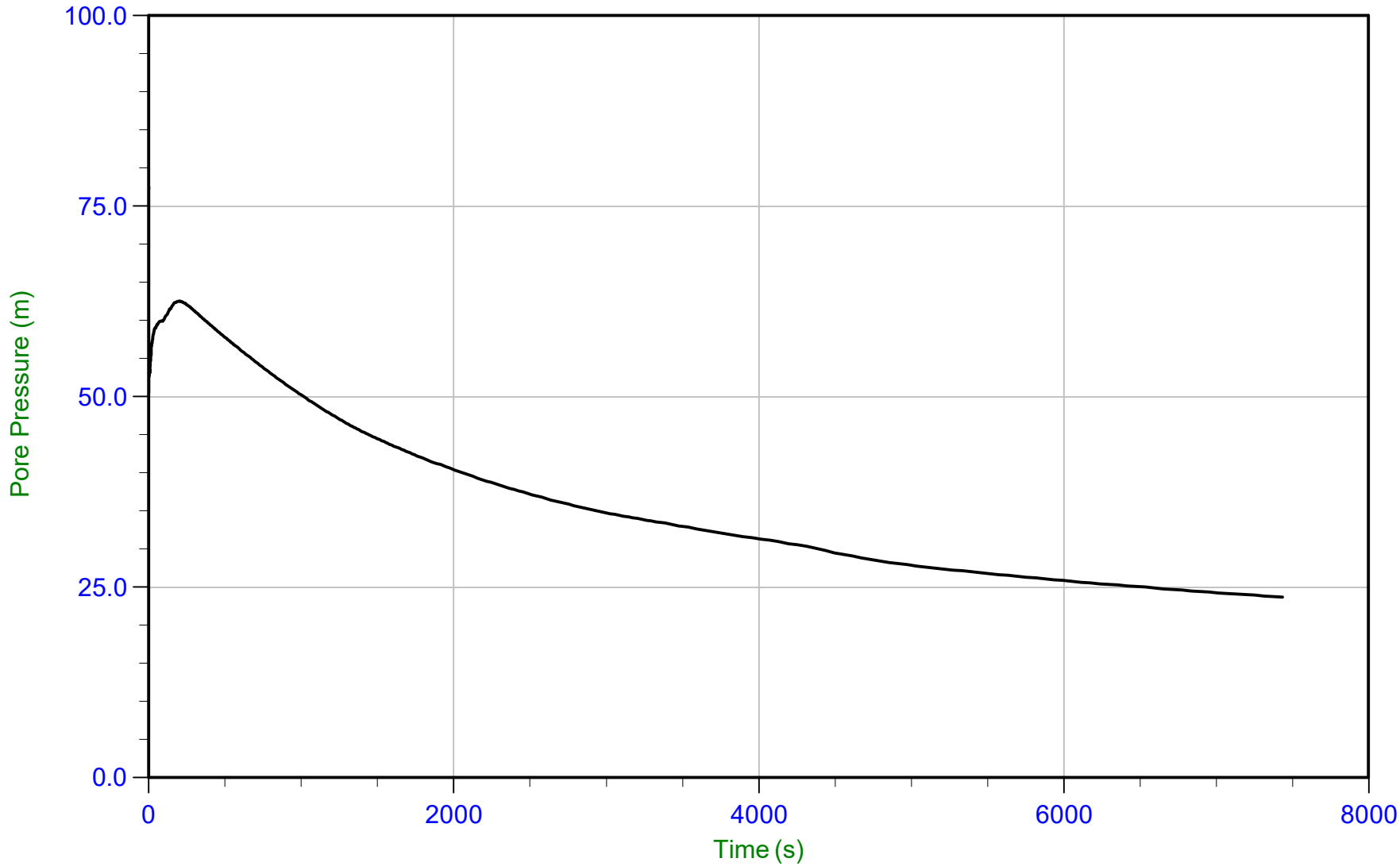
T(50): 328.6 s
Ir: 100
Ch: 2.1 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/12/2022 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD14.PPF
Depth: 10.000 m / 32.808 ft
Duration: 7439.8 s

u Min: 23.7 m
u Max: 77.6 m
u Final: 23.7 m

WT: -0.688 m / -2.257 ft
Ueq: 10.7 m
U(50): 44.14 m

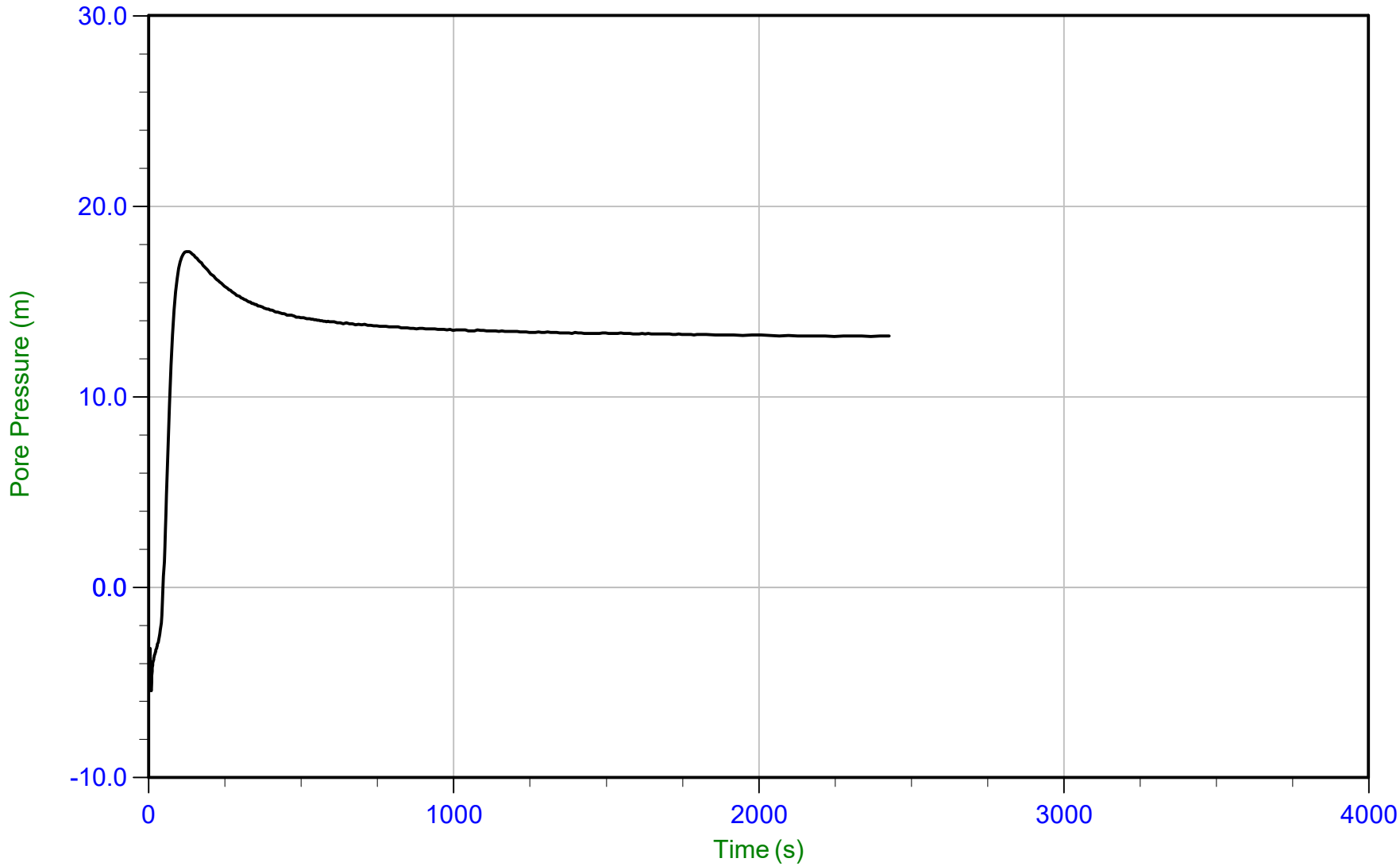
T(50): 1538.7 s
Ir: 100
Ch: 0.5 cm²/min

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/12/2022 07:47
Site: Crawford Mine

Sounding: SRK-WRD-CPT-14
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD14.PPF
Depth: 12.575 m / 41.256 ft
Duration: 2429.9 s

u Min: -5.4 m
u Max: 17.6 m
u Final: 13.2 m

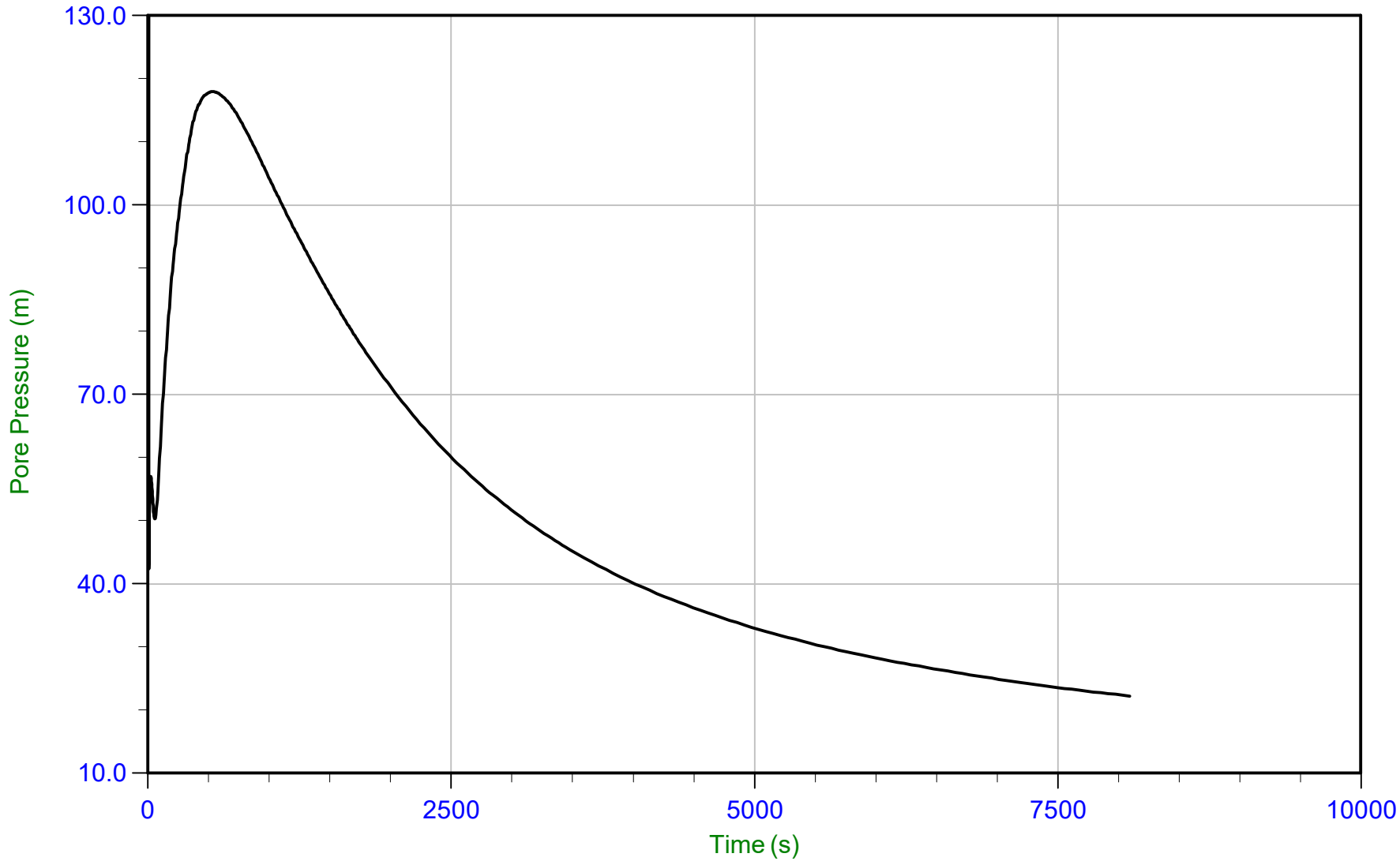
WT: -0.688 m / -2.257 ft
Ueq: 13.3 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/16/2022 09:28
Site: Crawford Mine

Sounding: SRK-WRD-CPT-15
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD15.PPF
Depth: 8.750 m / 28.707 ft
Duration: 8099.8 s

u Min: 22.2 m
u Max: 248.0 m
u Final: 22.2 m

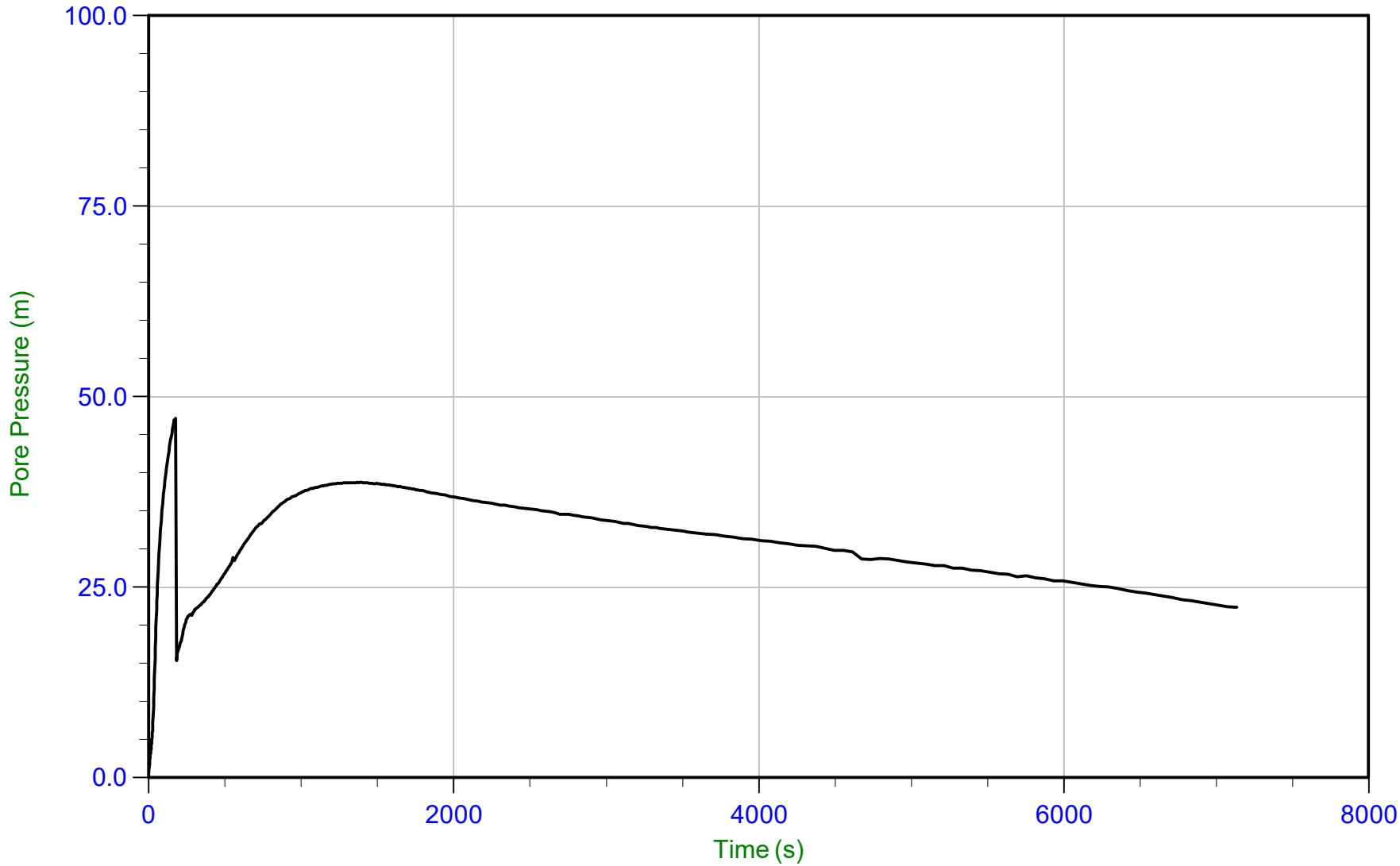
WT: 0.900 m / 2.953 ft
Ueq: 7.8 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/14/2022 09:02
Site: Crawford Mine

Sounding: SRK-WRD-CPT-16
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD16.PPF
Depth: 5.000 m / 16.404 ft
Duration: 7139.8 s

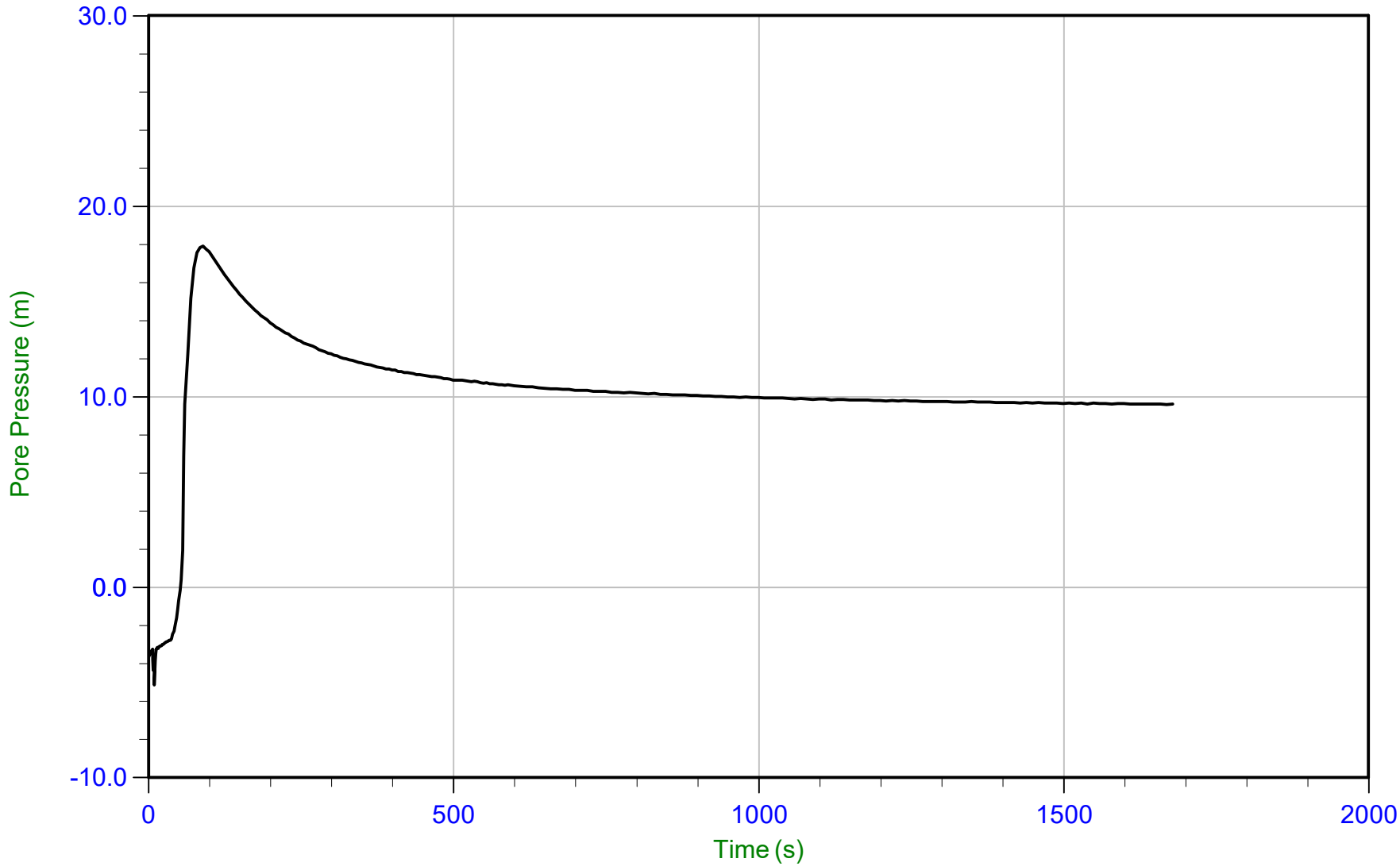
u Min: 0.7 m
u Max: 47.1 m
u Final: 22.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 02/14/2022 09:02
Site: Crawford Mine

Sounding: SRK-WRD-CPT-16
Cone: 728:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD16.PPF
Depth: 9.075 m / 29.773 ft
Duration: 1680.0 s

u Min: -5.1 m
u Max: 17.9 m
u Final: 9.6 m

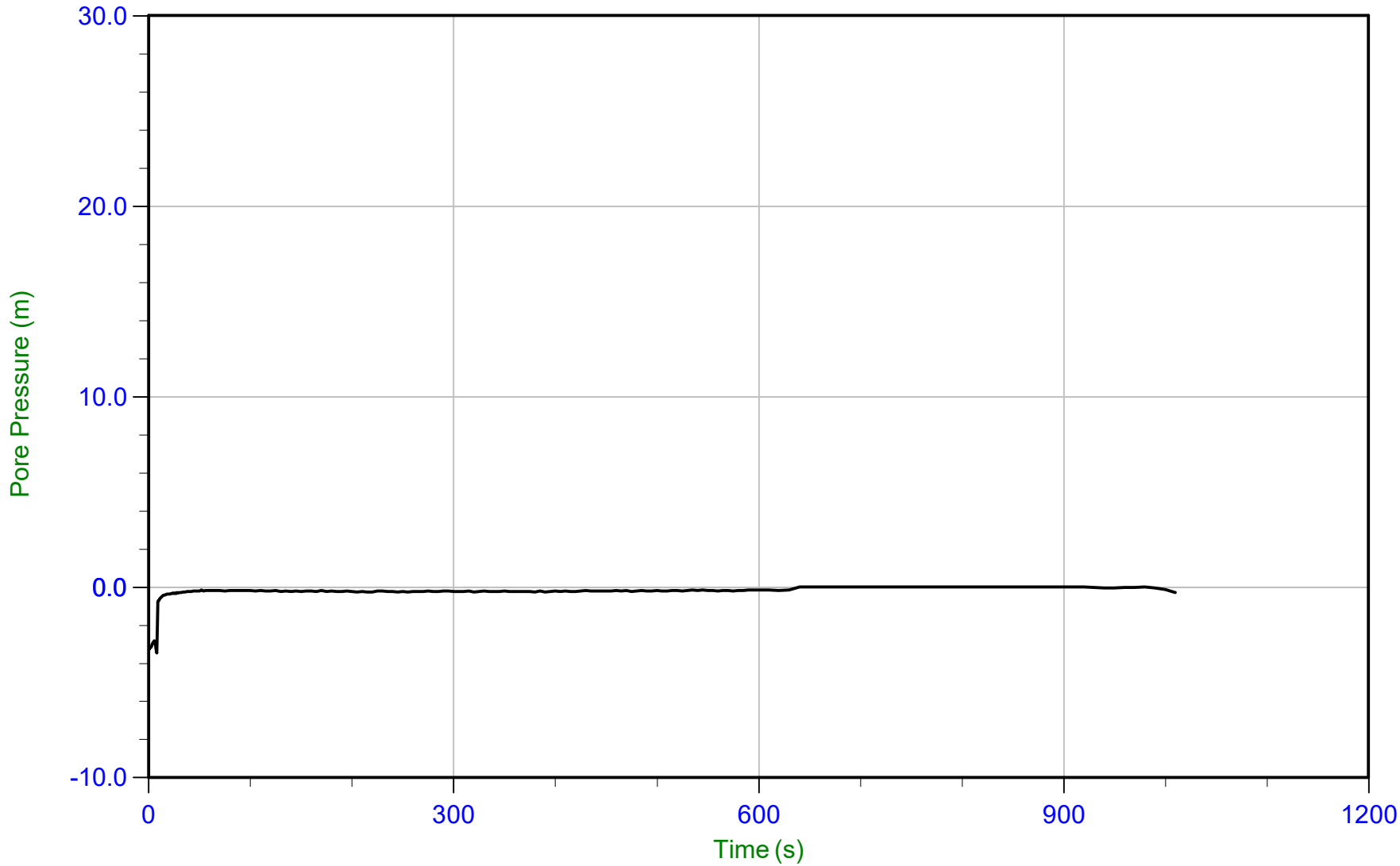
WT: -0.609 m / -1.998 ft
Ueq: 9.7 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/09/2021 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD17.PPF
Depth: 1.600 m / 5.249 ft
Duration: 1010.0 s

u Min: -3.5 m
u Max: 0.0 m
u Final: -0.3 m

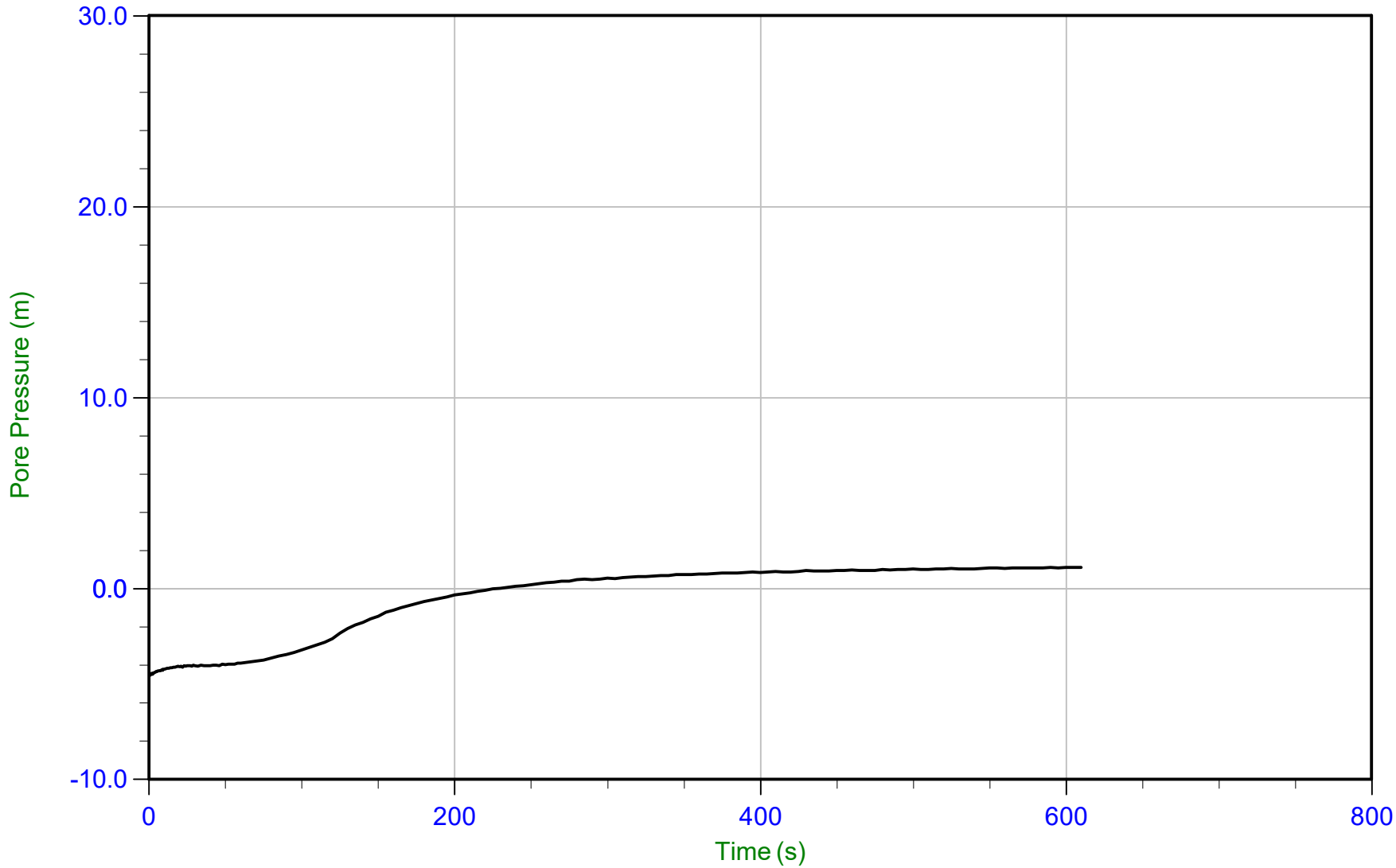
WT: 1.600 m / 5.249 ft
Ueq: 0.0 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/09/2021 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD17.PPF
Depth: 4.000 m / 13.123 ft
Duration: 610.0 s

u Min: -4.5 m
u Max: 1.1 m
u Final: 1.1 m

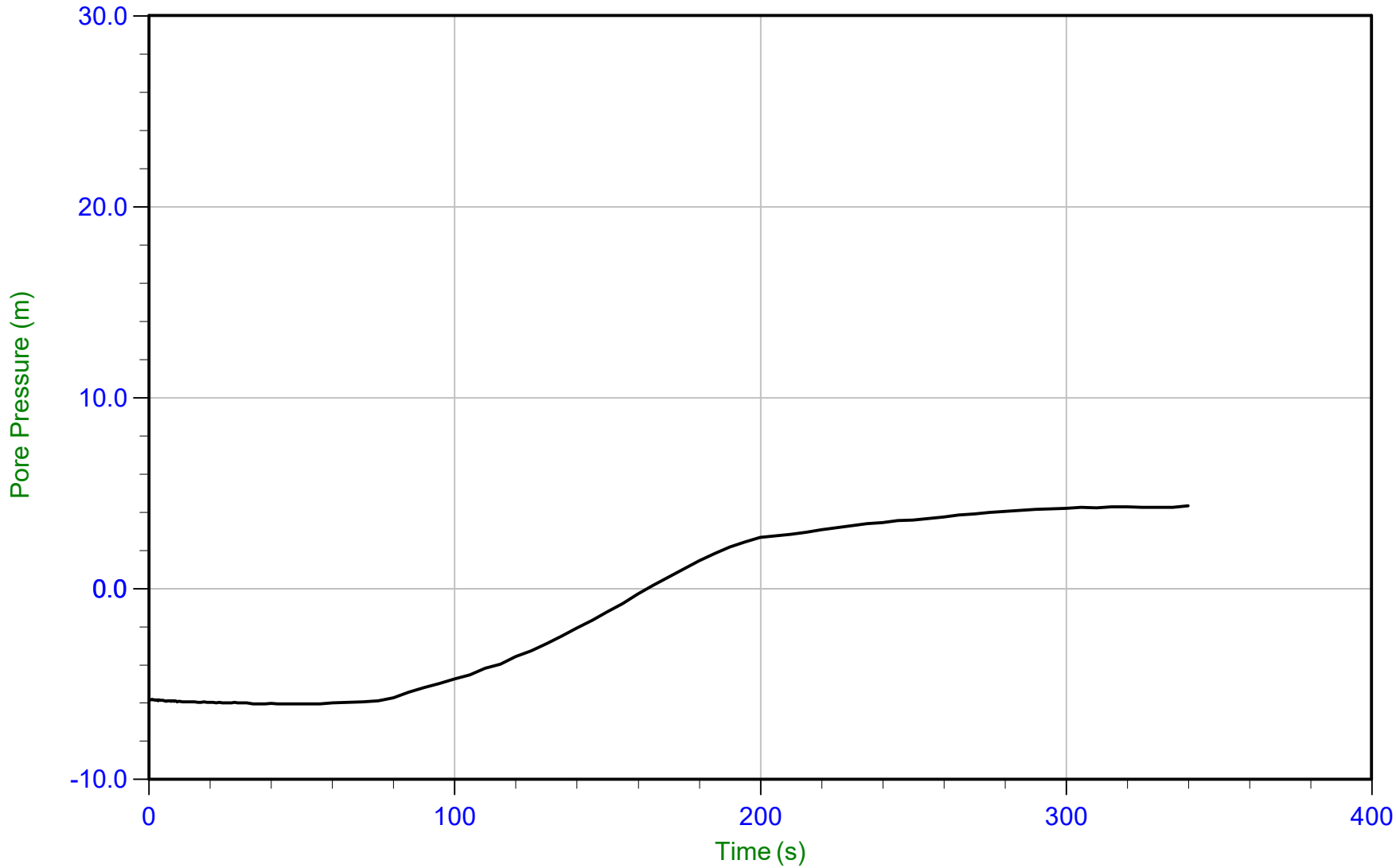
WT: 2.632 m / 8.635 ft
Ueq: 1.4 m

CONETEC

Canada Nickel Company

Job No: 21-02-23004
Date: 12/09/2021 10:58
Site: Crawford Mine

Sounding: SRK-WRD-CPT-17
Cone: 751:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 21-02-23004_SPWRD17.PPF
Depth: 7.025 m / 23.048 ft
Duration: 340.0 s

u Min: -6.1 m
u Max: 4.3 m
u Final: 4.3 m

WT: 2.604 m / 8.543 ft
Ueq: 4.4 m

Description of Methods for Calculated CPT Geotechnical Parameters

CONETEC

CALCULATED CPT GEOTECHNICAL PARAMETERS

A Detailed Description of the Methods Used in ConeTec's CPT Geotechnical Parameter Calculation and Plotting Software



Revision SZW-Rev 14

Revised November 26, 2019
Prepared by Jim Greig, M.A.Sc, P.Eng (BC)

Limitations

The geotechnical parameter output was prepared specifically for the site and project named in the accompanying report subject to objectives, site conditions and criteria provided to ConeTec by the client. The output may not be relied upon by any other party or for any other site without the express written permission of ConeTec Group (ConeTec) or any of its affiliates. For this project, ConeTec has provided site investigation services, prepared factual data reporting and produced geotechnical parameter calculations consistent with current best practices. No other warranty, expressed or implied, is made.

To understand the calculations that have been performed and to be able to reproduce the calculated parameters the user is directed to the basic descriptions for the methods in this document and the detailed descriptions and their associated limitations and appropriateness in the technical references cited for each parameter.

ConeTec's Calculated CPT Geotechnical Parameters as of November 26, 2019

ConeTec's CPT parameter calculation and plotting routine provides a tabular output of geotechnical parameters based on current published CPT correlations and is subject to change to reflect the current state of practice. Due to drainage conditions and the basic assumptions and limitations of the correlations, not all geotechnical parameters provided are considered applicable for all soil types. The results are presented only as a guide for geotechnical use and should be carefully examined for consideration in any geotechnical design. Reference to current literature is strongly recommended. ConeTec does not warranty the correctness or the applicability of any of the geotechnical parameters calculated by the program and does not assume liability for any use of the results in any design or review. For verification purposes we recommend that representative hand calculations be done for any parameter that is critical for design purposes. The end user of the parameter output should also be fully aware of the techniques and the limitations of any method used by the program. The purpose of this document is to inform the user as to which methods were used and to direct the end user to the appropriate technical papers and/or publications for further reference.

The geotechnical parameter output was prepared specifically for the site and project named in the accompanying report subject to objectives, site conditions and criteria provided to ConeTec by the client. The output may not be relied upon by any other party or for any other site without the express written permission of ConeTec Group (ConeTec) or any of its affiliates.

The CPT calculations are based on values of tip resistance, sleeve friction and pore pressures considered at each data point or averaged over a user specified layer thickness (e.g. 0.20 m). Note that q_t is the tip resistance corrected for pore pressure effects and q_c is the recorded tip resistance. The corrected tip resistance (corrected using u_2 pore pressure values) is used for all of the calculations. Since all ConeTec cones have equal end area friction sleeves pore pressure corrections to sleeve friction, f_s, are not required.

The tip correction is: $q_t = q_c + (1-a) \bullet u_2$ (consistent units are implied)

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the cone (typically 0.80 for ConeTec cones)

The total stress calculations are based on soil unit weight values that have been assigned to the Soil Behavior Type (SBT) zones, from a user defined unit weight profile, by using a single uniform value throughout the profile, through unit weight estimation techniques described in various technical papers or from a combination of these methods. The parameter output files indicate the method(s) used.

Effective vertical overburden stresses are calculated based on a hydrostatic distribution of equilibrium pore pressures below the water table or from a user defined equilibrium pore pressure profile (typically obtained from CPT dissipation tests) or a combination of the two. For over water projects the stress effects of the column of water above the mudline have been taken into account as has the appropriate unit weight of water. How this is done depends on where the instruments were zeroed (i.e. on deck or at the mudline). The parameter output files indicate the method(s) used.

A majority of parameter calculations are derived or driven by results based on material types as determined by the various soil behavior type charts depicted in Figures 1 through 5. The parameter output files indicate the method(s) used.

The Soil Behavior Type classification chart shown in Figure 1 is the classic non-normalized SBT Chart developed at the University of British Columbia and reported in Robertson, Campanella, Gillespie and Greig (1986). Figure 2 shows the original normalized (linear method) SBT chart developed by Robertson (1990). The Bq classification charts shown in Figures 3a and 3b incorporate pore pressures into the SBT classification and are based on the methods described in Robertson (1990). Many of these charts have been summarized in Lunne, Robertson and Powell (1997). The

Jefferies and Davies SBT chart shown in Figure 3c is based on the techniques discussed in Jefferies and Davies (1993) which introduced the concept of the Soil Behavior Type Index parameter, I_c. Please note that the I_c parameter developed by Robertson and Fear (1995) and Robertson and Wride (1998) is similar in concept but uses a slightly different calculation method than that used by Jefferies and Davies (1993) as the latter incorporates pore pressure in their technique through the use of the Bq parameter. The normalized Qtn SBT chart shown in Figure 4 is based on the work by Robertson (2009) utilizing a variable stress ratio exponent, n, for normalization based on a slightly modified redefinition and iterative approach for I_c. The boundary curves drawn on the chart are based on the work described in Robertson (2010).

Figure 5 shows a revised behavior based chart by Robertson (2016) depicting contractive-dilative zones. As the zones represent material behavior rather than soil gradation ConeTec has chosen a set of zone colors that are less likely to be confused with material type colors from previous SBT charts. These colors differ from those used by Dr. Robertson.

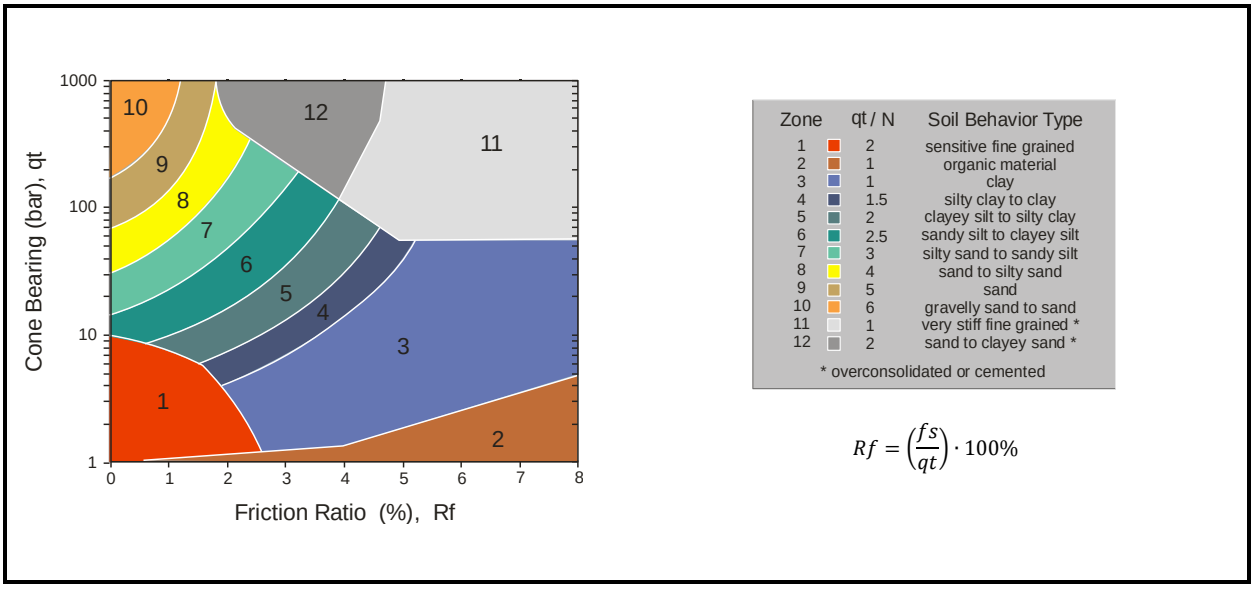


Figure 1. Non-Normalized Soil Behavior Type Classification Chart (SBT)

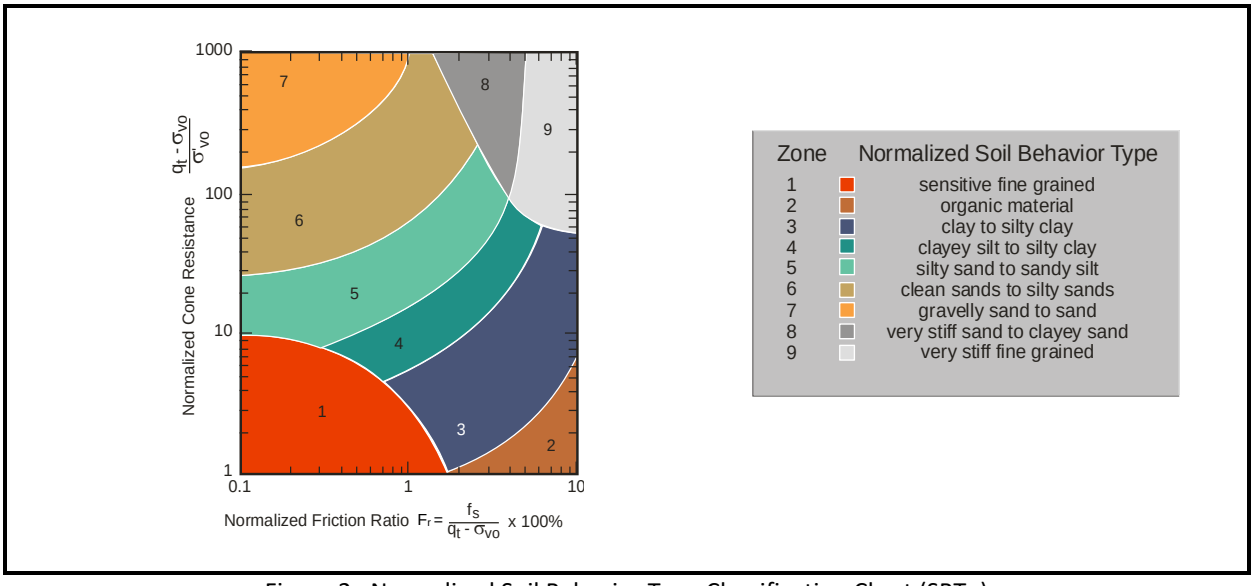


Figure 2. Normalized Soil Behavior Type Classification Chart (SBTn)

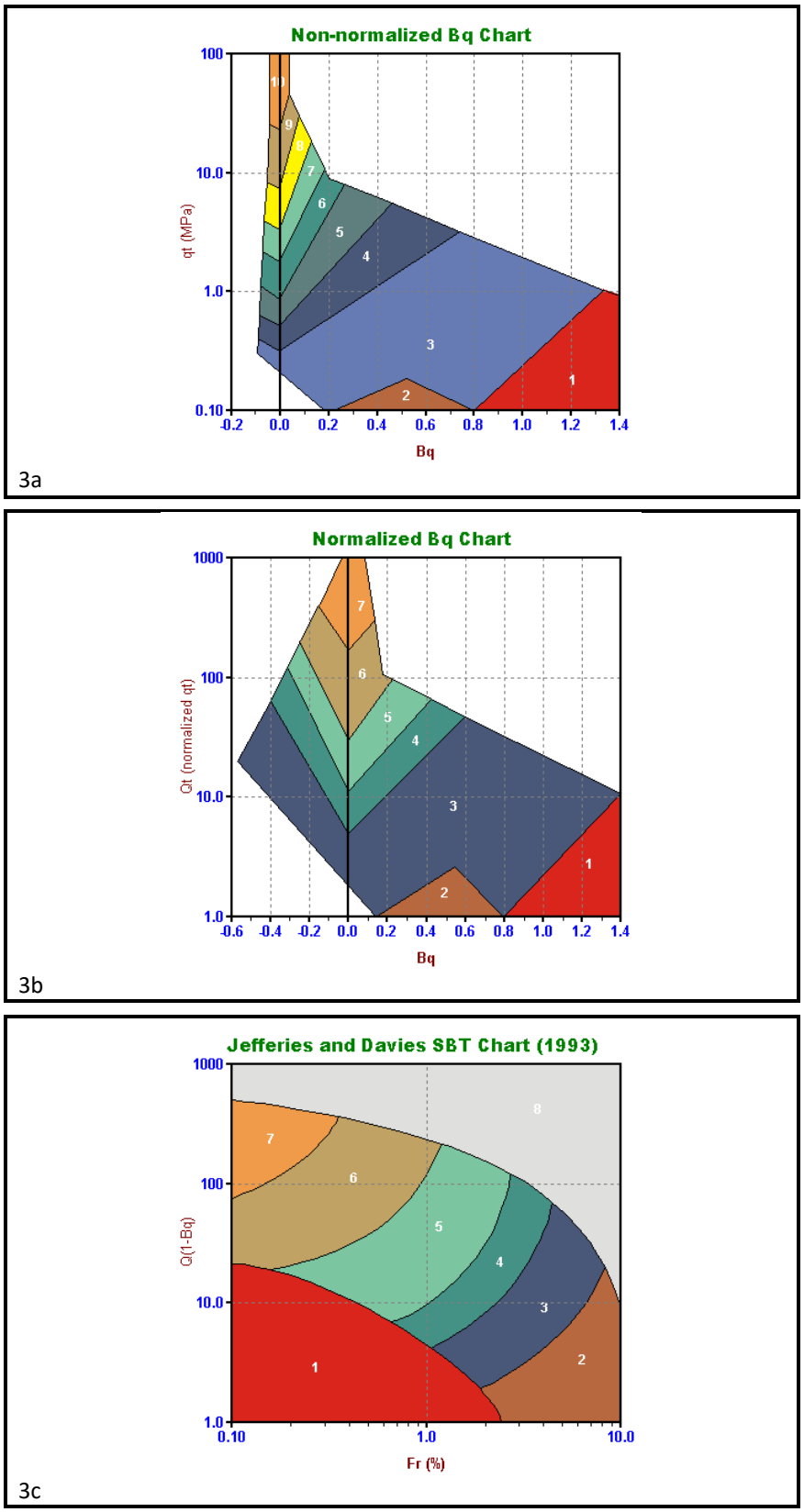


Figure 3. Alternate Soil Behavior Type Charts

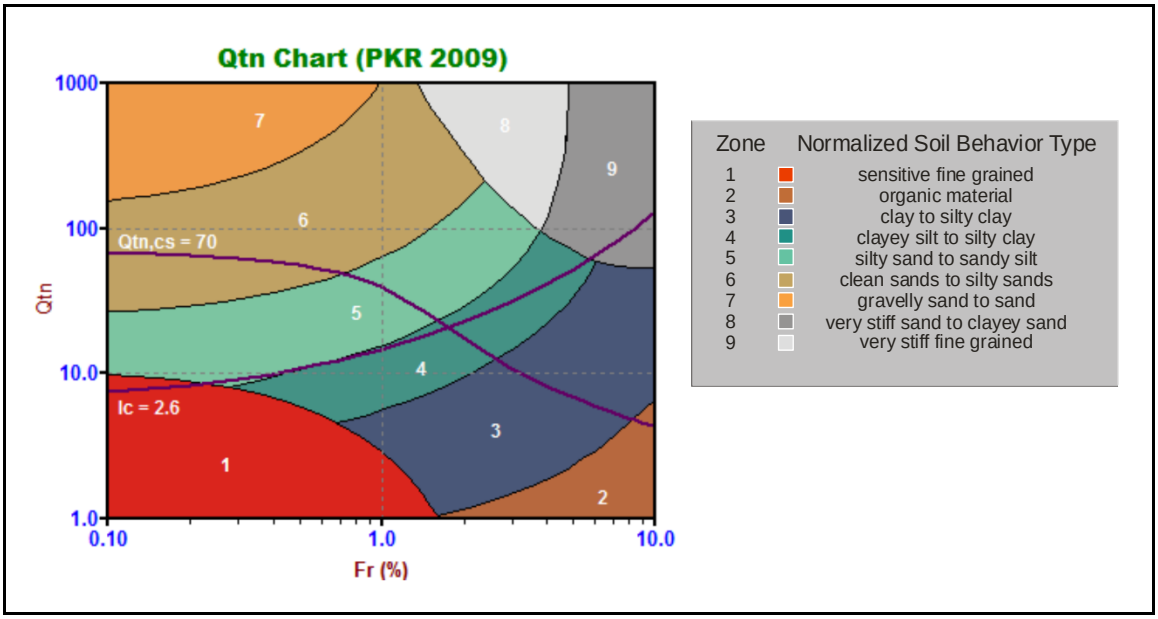


Figure 4. Normalized Soil Behavior Type Chart using Q_{tn} (SBT Qtn)

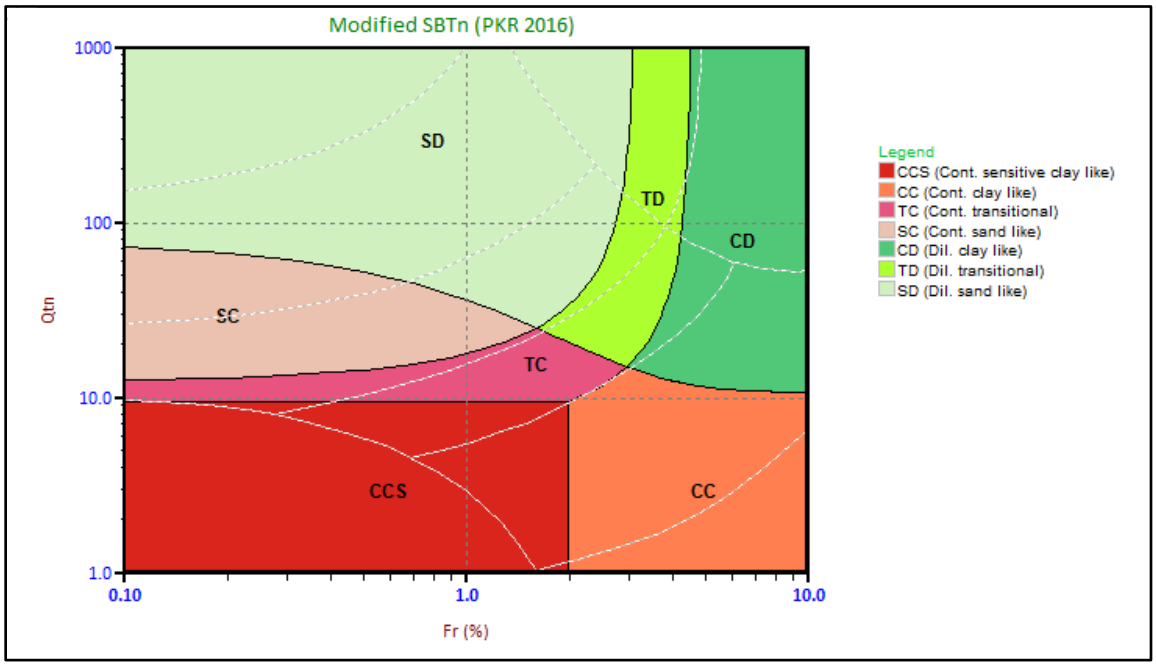


Figure 5. Modified SBTn Behavior Based Chart

Details regarding the geotechnical parameter calculations are provided in Tables 1a and 1b. The appropriate references cited are listed in Table 2. Non-liquefaction specific parameters are detailed in Table 1a and liquefaction specific parameters are detailed in Table 1b.

Where methods are based on charts or techniques that are too complex to describe in this summary the user should refer to the cited material. Specific limitations for each method are described in the cited material.

Where the results of a calculation/correlation are deemed *'invalid'* the value will be represented by the text strings "-9999", "-9999.0", the value 0.0 (Zero) or an empty cell. Invalid results will occur because of (and not limited to) one or a combination of:

1. Invalid or undefined CPT data (e.g. drilled out section or data gap).
2. Where the calculation method is inappropriate, for example, drained parameters in a material behaving as an undrained material (and vice versa).
3. Where input values are beyond the range of the referenced charts or specified limitations of the correlation method.
4. Where pre-requisite or intermediate parameter calculations are invalid.

The parameters selected for output from the program are often specific to a particular project. As such, not all of the calculated parameters listed in Table 1 may be included in the output files delivered with this report.

The output files are typically provided in Microsoft Excel XLS or XLSX format. The ConeTec software has several options for output depending on the number or types of calculated parameters desired or requested by the client. Each output file is named using the original COR file base name followed by a three or four letter indicator of the output set selected (e.g. BSC, TBL, NLI, NL2, IFI, IFI2) and possibly followed by an operator selected suffix identifying the characteristics of the particular calculation run.

Table 1a. CPT Parameter Calculation Methods – Non liquefaction Parameters

Calculated Parameter	Description	Equation	Ref
Depth	Mid Layer Depth *(where calculations are done at each point then Mid Layer Depth = Recorded Depth)*	*[Depth (Layer Top) + Depth (Layer Bottom)]/ 2.0*	CK*
Elevation	Elevation of Mid Layer based on sounding collar elevation supplied by client or through site survey	Elevation = Collar Elevation - Depth	CK*
Avg qc	Averaged recorded tip value (q_c)	$Avgqc = \frac{1}{n}\sum_{i=1}^{n} q_c$ *n=1 when calculations are done at each point*	CK*
Avg qt	Averaged corrected tip (q_t) where: $q_t = q_c + (1-a) \bullet u_2$	$Avgqt = \frac{1}{n}\sum_{i=1}^{n} q_t$ *n=1 when calculations are done at each point*	1
Avg fs	Averaged sleeve friction (f_s)	$Avgfs = \frac{1}{n}\sum_{i=1}^{n} fs$ *n=1 when calculations are done at each point*	CK*
Avg Rf	Averaged friction ratio (R_f) where friction ratio is defined as: $Rf = 100\% \bullet \frac{fs}{q_t}$	$AvgRf = 100\% \cdot \frac{Avgfs}{Avgqt}$ *n=1 when calculations are done at each point*	CK*
Avg u	Averaged dynamic pore pressure *(u)*	$Avgu = \frac{1}{n}\sum_{i=1}^{n} u_i$ *n=1 when calculations are done at each point*	CK*

Calculated Parameter	Description	Equation	Ref
Avg Res	Averaged Resistivity (this data is not always available since it is a specialized test requiring an additional module)	$AvgRes = \frac{1}{n}\sum_{i=1}^{n} Resistivity_i$ *n=1 when calculations are done at each point*	CK*
Avg UVIF	Averaged UVIF ultra-violet induced fluorescence (this data is not always available since it is a specialized test requiring an additional module)	$AvgUVIF = \frac{1}{n}\sum_{i=1}^{n} UVIF_i$ *n=1 when calculations are done at each point*	CK*
Avg Temp	Averaged Temperature (this data is not always available since it requires specialized calibrations)	$AvgTemp = \frac{1}{n}\sum_{i=1}^{n} Temperature_i$ *n=1 when calculations are done at each point*	CK*
Avg Gamma	Averaged Gamma Counts (this data is not always available since it is a specialized test requiring an additional module)	$AvgGamma = \frac{1}{n}\sum_{i=1}^{n} Gamma_i$ *n=1 when calculations are done at each point*	CK*
SBT	Soil Behavior Type as defined by Robertson et al 1986 (often referred to as Robertson and Campanella, 1986)	See Figure 1	1, 5
SBTn	Normalized Soil Behavior Type as defined by Robertson 1990 (linear normalization)	See Figure 2	2, 5
SBT-Bq	Non-normalized Soil Behavior type based on the Bq parameter	See Figure 3	1, 2, 5
SBT-Bqn	Normalized Soil Behavior based on the Bq parameter	See Figure 3	2, 5
SBT-JandD	Soil Behavior Type as defined by Jeffries and Davies	See Figure 3	7
SBT Qtn	Soil Behavior Type as defined by Robertson (2009) using a variable stress ratio exponent for normalization based on I_c	See Figure 4	15
Modified SBTn (contractive /dilative)	Modified SBTn chart as defined by Robertson (2016) indicating zones of contractive/dilative behavior.	See Figure 5	30
Unit Wt.	Unit Weight of soil determined from one of the following user selectable options: 1) uniform value 2) value assigned to each SBT zone 3) value assigned to each SBTn zone 4) value assigned to SBTn zone as determined from Robertson and Wride (1998) based on q_{c1n} 5) values assigned to SBT Qtn zones 6) Mayne fs (sleeve friction) method 7) Robertson 2010 method 8) user supplied unit weight profile The last option may co-exist with any of the other options	See references	3, 5, 15, 21, 24, 29

Calculated Parameter	Description	Equation	Ref
TStress σ_v	Total vertical overburden stress at Mid Layer Depth *A layer is defined as the averaging interval specified by the user where depths are reported at their respective mid-layer depth.* *For data calculated at each point layers are defined using the recorded depth as the mid-point of the layer. Thus, a layer starts half-way between the previous depth and the current depth unless this is the first point in which case the layer start is at zero depth. The layer bottom is half-way from the current depth to the next depth unless it is the last data point.* *Defining layers affects how stresses are calculated since the unit weight attributed to a data point is used throughout the entire layer. This means that to calculate the stresses the total stress at the top and bottom of a layer are required. The stress at mid layer is determined by adding the incremental stress from the layer top to the mid-layer depth. The stress at the layer bottom becomes the stress at the top of the subsequent layer. Stresses are NOT calculated from mid-point to mid-point.* *For over-water work the total stress due to the column of water above the mud line is taken into account where appropriate.*	$TStress = \sum_{i=1}^{n} \gamma_i h_i$ *where* γ_i is layer unit weight h_i is layer thickness	CK*
EStress σ_v'	Effective vertical overburden stress at mid-layer depth	$\sigma_v' = \sigma_v - u_{eq}$	CK*
Equil u u_{eq} or u_0	Equilibrium pore pressure determined from one of the following user selectable options: 1) hydrostatic below water table 2) user supplied profile 3) combination of those above When a user supplied profile is used/provided a linear interpolation is performed between equilibrium pore pressures defined at specific depths. If the profile values start below the water table then a linear transition from zero pressure at the water table to the first defined pointed is used. Equilibrium pore pressures may come from dissipation tests, adjacent piezometers or other sources. Occasionally, an extra equilibrium point ("assumed value") will be provided in the profile that does not come from a recorded value to smooth out any abrupt changes or to deal with material interfaces. These "assumed" values will be indicated on our plots and in tabular summaries.	For hydrostatic option: $u_{eq} = \gamma_w \cdot (D - D_{wt})$ where u_{eq} is equilibrium pore pressure γ_w is unit weight of water D is the current depth D_{wt} is the depth to the water table	CK*
K_0	Coefficient of earth pressure at rest, K_0	$K_0 = (1 - \sin\Phi') OCR^{\sin\Phi'}$	17
C_n	Overburden stress correction factor used for $(N_1)_{60}$ and older CPT parameters	$C_n = (P_a/\sigma_v')^{0.5}$ where $0.0 < C_n < 2.0$ *(user adjustable, typically 1.7)* P_a *is atmospheric pressure (100 kPa)*	12
C_q	Overburden stress normalizing factor	$C_q = 1.8 / (0.8 + (\sigma_v'/P_a))$ where $0.0 < C_q < 2.0$ *(user adjustable)* P_a *is atmospheric pressure (100 kPa)*	3, 12

Calculated Parameter	Description	Equation	Ref
N_{60}	SPT N value at 60% energy calculated from q_t/N ratios assigned to each SBT zone. This method has abrupt N value changes at zone boundaries.	*See Figure 1*	5
(N1)60	SPT N_{60} value corrected for overburden pressure	$(N_1)_{60} = C_n \bullet N_{60}$	4
N60Ic	SPT N_{60} values based on the I_c parameter [as defined by Roberston and Wride 1998 (5), or by Robertson 2009 (15)].	$(q_t/P_a)/ N_{60} = 8.5 (1 – I_c/4.6)$ $(q_t/P_a)/ N_{60} = 10^{(1.1268 – 0.2817Ic)}$ Pa being atmospheric pressure	5 15, 31
(N1)60Ic	SPT N_{60} value corrected for overburden pressure (using N_{60} I_c). User has 3 options.	1) $(N_1)_{60}Ic = C_n \bullet (N_{60} I_c)$ 2) $q_{c1n}/ (N_1)_{60}I_c = 8.5 (1 – I_c/4.6)$ 3) $(Q_{tn})/ (N_1)_{60}I_c = 10^{(1.1268 – 0.2817Ic)}$	4 5 15, 31
Su or Su (Nkt)	Undrained shear strength based on q_t S_u factor N_{kt} is user selectable	$Su = \frac{qt - \sigma_v}{N_{kt}}$	1, 5
Su or Su (Ndu)	Undrained shear strength based on pore pressure S_u factor $N_{\Delta u}$ is user selectable	$Su = \frac{u_2 - u_{eq}}{N_{\Delta u}}$	1, 5
Dr	Relative Density determined from one of the following user selectable options: a) Ticino Sand b) Hokksund Sand c) Schmertmann (1978) d) Jamiolkowski (1985) - All Sands e) Jamiolkowski et al (2003) (various compressibilities, K_o)	See reference (methods a through d) Jamiolkowski et al (2003) reference	5 14
PHI ϕ	Friction Angle determined from one of the following user selectable options (methods a through d are for sands and method e is for silts and clays): a) Campanella and Robertson b) Durgunoglu and Mitchel c) Janbu d) Kulhawy and Mayne e) NTH method (clays and silts)	See appropriate reference	5 5 5 11 23
Delta U/qt	Differential pore pressure ratio (older parameter used before B_q was established)	$= \frac{\Delta u}{qt}$ *where:* $\Delta u = u - u_{eq}$ *and* u = *dynamic pore pressure* u_{eq} = *equilibrium pore pressure*	CK*
Bq	Pore pressure parameter	$Bq = \frac{\Delta u}{qt - \sigma_v}$ where : $\Delta u = u - u_{eq}$ *and* u = *dynamic pore pressure* u_{eq} = *equilibrium pore pressure*	1, 2, 5
Net qt or qtNet	Net tip resistance (used in many subsequent correlations)	$qt - \sigma_v$	CK*
qe	Effective tip resistance (using the dynamic pore pressure u_2 and not equilibrium pore pressure)	$qt - u_2$	CK*

Calculated Parameter	Description	Equation	Ref
qeNorm	Normalized effective tip resistance	$\frac{qt - u_2}{\sigma_v}$	CK*
Q_t or Norm: Qt	Normalized q_t for Soil Behavior Type classification as defined by Robertson (1990) using a linear stress normalization. Note this is different from Q_{tn}.	$Qt = \frac{qt - \sigma_v}{\sigma_v}$	2, 5
F_r or Norm: Fr	Normalized Friction Ratio for Soil Behavior Type classification as defined by Robertson (1990)	$Fr = 100\% \cdot \frac{fs}{qt - \sigma_v}$	2, 5
Q(1-Bq)	Q(1-Bq) grouping as suggested by Jefferies and Davies for their classification chart and the establishment of their I_c parameter	$Q \cdot (1 - Bq)$ *where Bq is defined as above and Q is the same as the normalized tip resistance, Q_t, defined above*	6, 7
qc1	Normalized tip resistance, q_{c1}, using a fixed stress ratio exponent, n (this method has stress units)	$q_{c1} = q_t \cdot (Pa/\sigma_v')^{0.5}$ where: Pa = atmospheric pressure	21
qc1 (0.5)	Normalized tip resistance, q_{c1}, using a fixed stress ratio exponent, n (this method is unit-less)	$q_{c1}(0.5) = (q_t/P_a) \cdot (Pa/\sigma_v')^{0.5}$ where: Pa = atmospheric pressure	5
qc1 (Cn)	Normalized tip resistance, q_{c1}, based on C_n (this method has stress units)	$q_{c1}(Cn) = C_n * q_t$	5, 12
qc1 (Cq)	Normalized tip resistance, q_{c1}, based on C_q (this method has stress units)	$q_{c1}(Cq) = C_q * q_t$ (some papers use q_c)	5, 12
qc1n	normalized tip resistance, q_{c1n}, using a variable stress ratio exponent, n (where n=0.0, 0.70, 1.0) (this method is unit-less)	$q_{c1n} = (q_t / P_a)(P_a/\sigma_v')^n$ where: P_a = atm. Pressure and n varies as described below	3, 5
I_c or Ic (RW1998)	Soil Behavior Type Index as defined by Robertson and Fear (1995) and Robertson and Wride (1998) for estimating grain size characteristics and providing smooth gradational changes across the SBTn chart	$I_c = [(3.47 - \log_{10}Q)^2 + (\log_{10} Fr + 1.22)^2]^{0.5}$ *Where:* $Q = \left(\frac{qt - \sigma_v}{P_a}\right)\left(\frac{P_a}{\sigma_v'}\right)^n$ *Or* $Q = q_{c1n} = \left(\frac{qt}{P_a}\right)\left(\frac{P_a}{\sigma_v'}\right)^n$ *depending on the iteration in determining I_c* *And* *Fr is in percent* *P_a = atmospheric pressure* *n varies between 0.5, 0.70 and 1.0 and is selected in an iterative manner based on the resulting I_c*	3, 5, 21
Ic (PKR 2009)	Soil Behavior Type Index, I_c (PKR 2009) based on a variable stress ratio exponent n, which itself is based on I_c (PKR 2009). An iterative calculation is required to determine Ic (PKR 2009) and its corresponding n (PKR 2009).	I_c (PKR 2009) = $[(3.47 - \log_{10}Q_{tn})^2 + (1.22 + \log_{10}F_r)^2]^{0.5}$	15

Calculated Parameter	Description	Equation	Ref
n (PKR 2009)	Stress ratio exponent n, based on I_c (PKR 2009). An iterative calculation is required to determine n (PKR 2009) and its corresponding Ic (PKR 2009).	*n (PKR 2009) = 0.381 (I_c) + 0.05 (σ_v'/P_a) – 0.15*	15
Qtn (PKR 2009)	Normalized tip resistance using a variable stress ratio exponent based on I_c (PKR 2009) and n (PKR 2009). An iterative calculation is required to determine Qtn (PKR 2009).	*$Q_{tn} = [(qt - \sigma_v)/P_a](P_a/\sigma_v')^n$* *where P_a = atmospheric pressure (100 kPa)* *n = stress ratio exponent described above*	15
FC	Apparent fines content (%)	*$FC=1.75(Ic^{3.25}) - 3.7$* *$FC=100$ for $I_c > 3.5$* *$FC=0$ for $I_c < 1.26$* *FC = 5% if $1.64 < I_c < 2.6$ AND $F_r<0.5$*	3
I_c Zone	This parameter is the Soil Behavior Type zone based on the I_c parameter (valid for zones 2 through 7 on SBTn or SBT Qtn charts)	$I_c < 1.31$ Zone = 7 $1.31 < I_c < 2.05$ Zone = 6 $2.05 < I_c < 2.60$ Zone = 5 $2.60 < I_c < 2.95$ Zone = 4 $2.95 < I_c < 3.60$ Zone = 3 $I_c > 3.60$ Zone = 2	3
State Param or State Parameter or ψ	The state parameter index, ψ, is defined as the difference between the current void ratio, e, and the critical void ratio, e_c. Positive ψ - contractive soil Negative ψ - dilative soil This is based on the work by Been and Jefferies (1985) and Plewes, Davies and Jefferies (1992) - vertical effective stress is used rather than a mean normal stress	See reference	6, 8
Yield Stress σ_p'	Yield stress is calculated using the following methods a) General method b) 1st order approximation using q_tNet (clays) c) 1st order approximation using Δu_2 (clays) d) 1st order approximation using q_e (clays)	All stresses in kPa a) *$\sigma_p' = 0.33 \cdot (q_t - \sigma_v)^{m'} (\sigma_{atm}/100)^{1-m'}$* where $m' = 1 - \frac{0.28}{1 + (I_c/2.65)^{25}}$ b) *$\sigma_p' = 0.33 \cdot (q_t - \sigma_v)$* c) *$\sigma_p' = 0.54 \cdot (\Delta u_2)$* $\Delta u_2 = u_2 - u_0$ d) *$\sigma_p' = 0.60 \cdot (q_t - u_2)$*	19 20 20 20
OCR OCR(JS1978) OCR(Mayne2014) OCR (qtNet) OCR (deltaU) OCR (qe) OCR (Vs) OCR (PKR2015)	Over Consolidation Ratio based on a) Schmertmann (1978) method involving a plot plot of S_u/σ_v' /($S_u/\sigma_v')_{NC}$ and OCR b) based on Yield stresses described above c) approximate version based on qtNet d) approximate version based on Δu e) approximate version based on effective tip, q_e f) approximate version based on shear wave velocity, V_s g) based on Qt	 a) requires a user defined value for NC Su/P_c' ratio b through f) *based on yield stresses* g) OCR = *$0.25 \cdot (Qt)^{1.25}$*	 9 19 20 20 20 18 32

Calculated Parameter	Description	Equation	Ref
Es/qt	Intermediate parameter for calculating Young's Modulus, E, in sands. It is the Y axis of the reference chart.	Based on Figure 5.59 in the reference	5
Es Young's Modulus E	Young's Modulus based on the work done in Italy. There are three types of sands considered in this technique. The user selects the appropriate type for the site from: a) OC Sands b) Aged NC Sands c) Recent NC Sands Each sand type has a family of curves that depend on mean normal stress. The program calculates mean normal stress and linearly interpolates between the two extremes provided in the E_s/q_t chart. Es is evaluated for an axial strain of 0.1%.	Mean normal stress is evaluated from: $\sigma'_m = \frac{1}{3}(\sigma'_v + \sigma'_h + \sigma'_h)^3$ where σ_v'= vertical effective stress σ_h'= horizontal effective stress *and* $\sigma_h = K_o \bullet \sigma_v'$ with K_o assumed to be 0.5	5
Delta U/TStress	Differential pore pressure ratio with respect to total stress	$= \frac{\Delta u}{\sigma_v}$ *where:* $\Delta u = u - u_{eq}$	CK*
Delta U/Estress, P Value, Excess Pore Pressure Ratio	Differential pore pressure ratio with respect to effective stress. Key parameter (P, Normalized Pore Pressure Parameter, Excess Pore Pressure Ratio) in the Winckler et. al. static liquefaction method.	$= \frac{\Delta u}{\sigma'_v}$ *where:* $\Delta u = u - u_{eq}$	25, 25a, CK*
Su/EStress	Undrained shear strength ratio with respect to vertical effective overburden stress using the S_u (N_{kt}) method	$= Su\ (N_{kt}) / \sigma_v'$	CK*
Gmax	G_{max} determined from SCPT shear wave velocities (not estimated values)	$G_{max} = \rho V_s^2$ where ρ is the mass density of the soil determined from the estimated unit weights at each test depth	27
qtNet/Gmax	Net tip resistance ratio with respect to the small strain modulus G_{max} determined from SCPT shear wave velocities (not estimated values)	$= (qt - \sigma_v) / G_{max}$ where $G_{max} = \rho V_s^2$ and ρ is the mass density of the soil determined from the estimated unit weights at each test depth	15, 28, 30

*CK – common knowledge

Table 1b. CPT Parameter Calculation Methods – Liquefaction Parameters

Calculated Parameter	Description	Equation	Ref
K_{SPT}	Equivalent clean sand factor for $(N_1)60$	$K_{SPT} = 1 + ((0.75/30) \bullet (FC - 5))$	10
K_{CPT} or K_C (RW1998)	Equivalent clean sand correction for q_{c1N}	$K_{cpt} = 1.0$ for $I_c \leq 1.64$ $K_{cpt} = f(I_c)$ for $I_c > 1.64$ (see reference) $K_c = -0.403\ I_c^4 + 5.581\ I_c^3 - 21.63 I_c^2 + 33.75\ I_c - 17.88$	3, 10
Kc (PKR 2010)	Clean sand equivalent factor to be applied to Q_{tn}	$K_c = 1.0$ for $I_c \leq 1.64$ $K_c = -0.403\ I_c^4 + 5.581\ I_c^3 - 21.63 I_c^2 + 33.75\ I_c - 17.88$ for $I_c > 1.64$	16
$(N_1)_{60cs}Ic$	Clean sand equivalent SPT $(N_1)_{60}I_c$. User has 3 options.	1) $(N_1)_{60cs}Ic = \alpha + \beta((N_1)_{60}I_c)$ 2) $(N_1)_{60cs}Ic = K_{SPT} * ((N_1)_{60}I_c)$ 3) $(q_{c1ncs})/(N_1)_{60cs}I_c = 8.5\ (1 - I_c/4.6)$ FC ≤ 5%: $\alpha = 0,\ \beta = 1.0$ FC ≥ 35% $\alpha = 5.0,\ \beta = 1.2$ 5% < FC < 35% $\alpha = exp[1.76 - (190/FC^2)]$ $\beta = [0.99 + (FC^{1.5}/1000)]$	10 10 5
q_{c1ncs}	Clean sand equivalent q_{c1n}	$q_{c1ncs} = q_{c1n} \bullet K_{cpt}$	3
Qtn,cs (PKR 2010)	Clean sand equivalent for Q_{tn} described above - Q_{tn} being the normalized tip resistance based on a variable stress exponent as defined by Robertson (2009)	$Q_{tn,cs} = Q_{tn} \cdot K_c$ (PKR 2016)	16
Su(Liq)/ESv	Liquefied shear strength ratio as defined by Olson and Stark	$\frac{Su(Liq)}{\sigma_v'} = 0.03 + 0.0143(q_{c1})$ Note: σ_v' and s_v' are synonymous	13
Su(Liq)/ESv (PKR 2010)	Liquefied shear strength ratio as defined by Robertson (2010)	$\frac{Su(Liq)}{\sigma_v'}$ Based on a function involving $Q_{tn,cs}$	16
Su (Liq) (PKR 2010)	Liquefied shear strength derived from the liquefied shear strength ratio and effective overburden stress		16
Cont/Dilat Tip	Contractive / Dilative qc1 Boundary based on $(N_1)_{60}$	$(\sigma_v')_{boundary} = 9.58 \times 10^{-4}\ [(N_1)_{60}]^{4.79}$ *qc1* is calculated from specified qt(MPa)/N ratio	13
CRR	Cyclic Resistance Ratio (for Magnitude 7.5)	$q_{c1ncs} < 50$: $CRR_{7.5} = 0.833\ [q_{c1ncs}/1000] + 0.05$ $50 \leq q_{c1ncs} < 160$: $CRR_{7.5} = 93\ [q_{c1ncs}/1000]^3 + 0.08$	10
Kg	Small strain Stiffness Ratio Factor, Kg	[Gmax/qt]/[qc1n^{-m}] m = empirical exponent, typically 0.75	26

Calculated Parameter	Description	Equation	Ref
SP Distance	State Parameter Distance, Winckler static liquefaction method	Perpendicular distance on Qtn chart from plotted point to state parameter Ψ = -0.05 curve	25
URS NP Fr	Normalized friction ratio point on Ψ = -0.05 curve used in SP Distance calculation		25
URS NP Qtn	Normalized tip resistance (Qtn) point on Ψ = -0.05 curve used in SP Distance calculation		25

Table 2. References

No.	Reference
1	Robertson, P.K., Campanella, R.G., Gillespie, D. and Greig, J., 1986, "Use of Piezometer Cone Data", Proceedings of InSitu 86, ASCE Specialty Conference, Blacksburg, Virginia.
2	Robertson, P.K., 1990, "Soil Classification Using the Cone Penetration Test", Canadian Geotechnical Journal, Volume 27. This includes the discussions and replies.
3	Robertson, P.K. and Wride (Fear), C.E., 1998, "Evaluating cyclic liquefaction potential using the cone penetration test", Canadian Geotechnical Journal, 35: 442-459.
4	Robertson, P.K. and Wride, C.E., 1997, "Cyclic Liquefaction and its Evaluation Based on SPT and CPT", NCEER Workshop Paper, January 22, 1997.
5	Lunne, T., Robertson, P.K. and Powell, J. J. M., 1997, " Cone Penetration Testing in Geotechnical Practice," Blackie Academic and Professional.
6	Plewes, H.D., Davies, M.P. and Jefferies, M.G., 1992, "CPT Based Screening Procedure for Evaluating Liquefaction Susceptibility", 45th Canadian Geotechnical Conference, Toronto, Ontario, October 1992.
7	Jefferies, M.G. and Davies, M.P., 1993, "Use of CPTu to Estimate equivalent N_{60}", Geotechnical Testing Journal, 16(4): 458-467.
8	Been, K. and Jefferies, M.P., 1985, "A state parameter for sands", Geotechnique, 35(2), 99-112.
9	Schmertmann, 1978, "Guidelines for Cone Penetration Test Performance and Design", Federal Highway Administration Report FHWA-TS-78-209, U.S. Department of Transportation.
10	Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils, Salt Lake City, 1996, chaired by Leslie Youd.
11	Kulhawy, F.H. and Mayne, P.W., 1990, "Manual on Estimating Soil Properties for Foundation Design, Report No. EL-6800", Electric Power Research Institute, Palo Alto, CA, August 1990, 306 p.
12	Olson, S.M. and Stark, T.D., 2002, "Liquefied strength ratio from liquefied flow failure case histories", Canadian Geotechnical Journal, 39: 951-966.
13	Olson, Scott M. and Stark, Timothy D., 2003, "Yield Strength Ratio and Liquefaction Analysis of Slopes and Embankments", Journal of Geotechnical and Geoenvironmental Engineering, ASCE, August 2003.
14	Jamiolkowski, M.B., Lo Presti, D.C.F. and Manassero, M., 2003, "Evaluation of Relative Density and Shear Strength of Sands from CPT and DMT", Soil Behaviour and Soft Ground Construction, ASCE, GSP N0. 119, 201-238.
15	Robertson, P.K., 2009, "Interpretation of cone penetration tests – a unified approach", Canadian Geotechnical Journal, 46: 1337-1355.
16	Robertson, P.K., 2010, "Evaluation of Flow Liquefaction and Liquefied Strength Using the Cone Penetration Test", Journal of Geotechnical and Geoenvironmental Engineering, ASCE, June 2010.
17	Mayne, P.W. and Kulhawy, F.H., 1982, "Ko-OCR Relationships in Soil", Journal of the Geotechnical Engineering Division, ASCE, Vol. 108, GT6, pp. 851-872.
18	Mayne, P.W., Robertson P.K. and Lunne T., 1998, "Clay stress history evaluated from seismic piezocone tests", Proceedings of the First International Conference on Site Characterization – ISC '98, Atlanta Georgia, Volume 2, 1113-1118.

No.	Reference
19	Mayne, P.W., 2014, "Generalized CPT Method for Evaluating Yield Stress in Soils", Geocharacterization for Modeling and Sustainability (GSP 235: Proc. GeoCongress 2014, Atlanta, GA), ASCE, Reston, Virginia: 1336-1346.
20	Mayne, P.W., 2015, "Geocharacterization by In-Situ Testing", Continuing Education Course, Vancouver, BC, January 6-8, 2015.
21	Robertson, P.K. and Fear, C.E., 1995, "Liquefaction of sands and its evaluation", Proceedings of the First International Conference on Earthquake Engineering, Keynote Lecture IS Tokyo '95, Tokyo Japan, 1995.
22	Mayne, P.W., Peuchen, J. and Boumeester, D., 2010, "Soil unit weight estimation from CPTs", Proceeding of the 2nd International Symposium on Cone Penetration Testing (CPT '10), Vol 2, Huntington Beach, California; Omnipress: 169-176.
23	Mayne, P.W., 2007, "NCHRP Synthesis 368 on Cone Penetration Test", Transportation Research Board, National Academies Press, Washington, D.C., 118 pages.
24	Mayne, P.W., 2014, "Interpretation of geotechnical parameters from seismic piezocone tests.", Key note address #2, proceedings, 3rd International Symposium on Cone Penetration Testing (CPT'14, Las Vegas), ISSMGE Technical Committee TC102.
25	Winckler, Christina, Davidson, Richard, Yenne, Lisa, Pilz, Jorgen, 2014, "CPTu-Based State Characterization of Tailings Liquefaction Susceptibility", Tailings and Mine Waste, 2014.
25a	Winckler, Christina, Davidson, Richard, Yenne, Lisa, Pilz, Jorgen, 2014, "CPTu-Based State Characterization of Tailings Liquefaction Susceptibility", Powerpoint presentation, Tailings and Mine Waste, 2014.
26	Schneider, J.A. and Moss, R.E.S., 2011, "Linking cyclic stress and cyclic strain based methods for assessment of cyclic liquefaction triggering in sands", Geotechnique Letters 1, 31-36.
27	Rice, A., 1984, "The Seismic Cone Penetrometer", M.A.Sc. thesis submitted to the University of British Columbia, Dept. of Civil Engineering, Vancouver, BC, Canada.
28	Gillespie, D.G., 1990, "Evaluating Shear Wave Velocity and Pore Pressure Data from the Seismic Cone Penetration Test", Ph.D. thesis submitted to the University of British Columbia, Dept. of Civil Engineering, Vancouver, BC, Canada.
29	Robertson, P.K and Cabal, K.L., 2010, "Estimating soil unit weight from CPT", Proceedings of the 2nd International Symposium on Cone Penetration Testing (CPT '10), Huntington Beach, California.
30	Robertson, P.K., 2016, "Cone penetration test (CPT)-based soil behaviour type (SBT) classification system – an update", Canadian Geotechnical Journal, July 2016.
31	Robertson, P.K., 2012, "Interpretation of in-situ tests – some insights", Mitchell Lecture, ISC'4, Recife, Brazil.
32	Robertson, P.K., Cabal, K.L. 2015, "Guide to Cone Penetration Testing for Geotechnical Engineering", 6th Edition.

Electric Field Vane Shear Test Profile Summary and Results

CONETEC

Job Number:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	01-Oct-2021
End Date:	27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST SUMMARY

Sounding ID	File Name	Adjacent CPT Sounding ID	Date From	Date To	Northing[1] (m)	Easting[1] (m)	Refer to Notation Number
VST21-SRK-HG-BH-01	21-02-23004_VSTHG01	SRK-HG-CPT-01	10-Mar-2022	10-Mar-2022	5408070	471296	
VST21-SRK-HG-BH-03	21-02-23004_VSTHG03	SRK-HG-CPT-03	03-Mar-2022	03-Mar-2022	5408647	471290	
VST21-SRK-LG-BH-01	21-02-23004_VSTLG01	SRK-LG-CPT-02	27-Feb-2022	28-Feb-2022	5409962	471543	
VST21-SRK-LG-BH-03	21-02-23004_VSTLG03		20-Feb-2022	20-Feb-2022	5412015	471354	
VST21-SRK-LG-BH-04	21-02-23004_VSTLG04	SRK-LG-CPT-05	24-Nov-2021	24-Nov-2021	5411982	470413	
VST21-SRK-LG-BH-05	21-02-23004_VSTLG05	SRK-LG-CPT-01B	07-Mar-2022	08-Mar-2022	5409699	470921	
VST21-SRK-LGS-BH-01	21-02-23004_VSTLGS01	SRK-LGS-CPT-01	20-Nov-2021	21-Nov-2021	5412363	471373	
VST21-SRK-LGS-BH-08	21-02-23004_VSTLGS08	SRK-LGS-CPT-05	20-Nov-2021	20-Nov-2021	5410662	470411	
VST21-SRK-NWR-BH-01	21-02-23004_VSTNWR01	SRK-NWR-CPT-07	13-Nov-2021	14-Nov-2021	5412706	472320	
VST21-SRK-NWR-BH-07	21-02-23004_VSTNWR07	SRK-NWR-CPT-01	09-Nov-2021	09-Nov-2021	5411884	472404	
VST21-SRK-NWR-BH-11	21-02-23004_VSTNWR11		07-Nov-2021	08-Nov-2021	5410443	472537	
VST21-SRK-OP-BD-01	21-02-23004_VST01		17-Oct-2021	18-Oct-2021	5409257	472655	
VST21-SRK-OP-BD-02	21-02-23004_VST02		02-Nov-2021	02-Nov-2021	5409618	472618	
VST21-SRK-OP-BD-03	21-02-23004_VST03		01-Oct-2021	01-Oct-2021	5409755	473623	
VST21-SRK-OP-BD-05	21-02-23004_VST05		07-Oct-2021	07-Oct-2021	5410051	473690	
VST21-SRK-OP-BD-07	21-02-23004_VST07	SRK-OP-CPT-03	10-Jan-2022	10-Jan-2022	5410296	475143	
VST21-SRK-OP-BD-11	21-02-23004_VST11		09-Oct-2021	09-Oct-2021	5408442	474005	
VST21-SRK-OP-BD-12	21-02-23004_VST12		04-Oct-2021	05-Oct-2021	5408469	472953	
VST21-SRK-OP-BH-01	21-02-23004_VSTOP01	SRK-OP-CPT-09	22-Feb-2022	22-Feb-2022	5409526	472196	
VST21-SRK-OP-BH-02	21-02-23004_VSTOP02	SRK-OP-CPT-01C	03-Dec-2021	04-Dec-2021	5410248	473125	
VST21-SRK-OP-BH-03	21-02-23004_VSTOP03		04-Jan-2022	05-Jan-2022	5410433	473837	

Job Number:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	01-Oct-2021
End Date:	27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST SUMMARY

Sounding ID	File Name	Adjacent CPT Sounding ID	Date From	Date To	Northing[1] (m)	Easting[1] (m)	Refer to Notation Number
VST21-SRK-OP-BH-04	21-02-23004_VSTOP04	SRK-OP-CPT-02	18-Nov-2021	18-Nov-2021	5410196	474519	
VST21-SRK-OP-BH-07	21-02-23004_VSTOP07	SRK-OP-CPT-05	11-Oct-2021	11-Oct-2021	5408406	474644	
VST21-SRK-OP-BH-08	21-02-23004_VSTOP08	SRK-OP-CPT-06	13-Feb-2022	13-Feb-2022	5407864	474060	
VST21-SRK-OP-BH-09	21-02-23004_VSTOP09		04-Nov-2021	04-Nov-2021	5407942	472910	
VST21-SRK-OP-BH-10	21-02-23004_VSTOP10	SRK-OP-CPT-08	23-Feb-2022	24-Feb-2022	5408040	472345	
VST21-SRK-PF-BH-02	21-02-23004_VSTPF02	SRK-PF-CPT-02	13-Nov-2021	13-Nov-2021	5407776	470629	
VST21-SRK-PF-BH-03	21-02-23004_VSTPF03	SRK-PF-CPT-03	08-Mar-2022	09-Mar-2022	5409124	470715	
VST21-SRK-PF-BH-04	21-02-23004_VSTPF04	SRK-PF-CPT-04	12-Dec-2021	12-Dec-2021	5409119	469800	
VST21-SRK-SOS-BH-01	21-02-23004_VSTSOS01		16-Oct-2021	16-Oct-2021	5407690	472804	
VST21-SRK-SOS-BH-02	21-02-23004_VSTSOS02	SRK-SOS-CPT-02	15-Mar-2022	16-Mar-2022	5407567	473551	
VST21-SRK-SOS-BH-05	21-02-23004_VSTSOS05		14-Oct-2021	14-Oct-2021	5407106	472872	
VST21-SRK-TSF-BH-01A	21-02-23004_VSTTSF01A	SRK-TSF-CPT-01A	20-Jan-2022	20-Jan-2022	5408906	475544	
VST21-SRK-TSF-BH-04	21-02-23004_VSTTSF04	SRK-TSF-CPT-13	25-Jan-2022	26-Jan-2022	5408237	476950	
VST21-SRK-TSF-BH-06	21-02-23004_VSTTSF06		16-Feb-2022	16-Feb-2022	5407694	475081	
VST21-SRK-TSF-BH-07	21-02-23004_VSTTSF07	SRK-TSF-CPT-06	31-Oct-2021	31-Oct-2021	5405098	473061	
VST21-SRK-TSF-BH-09	21-02-23004_VSTTSF09		27-Oct-2021	27-Oct-2021	5405777	472997	
VST21-SRK-TSF-BH-10	21-02-23004_VSTTSF10	SRK-TSF-CPT-14	22-Oct-2021	23-Oct-2021	5406445	474812	
VST21-SRK-TSF-BH-11	21-02-23004_VSTTSF11		12-Feb-2022	12-Feb-2022	5408209	475236	
VST21-SRK-TSF-BH-13	21-02-23004_VSTTSF13	SRK-TSF-CPT-10	23-Jan-2022	23-Jan-2022	5408199	476082	
VST21-SRK-TSF-BH-15	21-02-23004_VSTTSF15	SRK-TSF-CPT-03	27-Jan-2022	27-Jan-2022	5407121	476800	
VST21-SRK-TSF-BH-16	21-02-23004_VSTTSF16	SRK-TSF-CPT-11	22-Mar-2022	23-Mar-2022	5405756	474679	

Job Number:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	01-Oct-2021
End Date:	27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST SUMMARY

Sounding ID	File Name	Adjacent CPT Sounding ID	Date From	Date To	Northing[1] (m)	Easting[1] (m)	Refer to Notation Number
VST21-SRK-TSF-BH-18	21-02-23004_VSTTSF18		16-Nov-2021	17-Nov-2021	5406724	471939	
VST21-SRK-TSF-BH-19	21-02-23004_VSTTSF19	SRK-TSF-CPT-08	25-Oct-2021	25-Oct-2021	5406528	473370	
VST21-SRK-TSF-BH-22	21-02-23004_VSTTSF22		17-Mar-2022	18-Mar-2022	5407078	473627	
VST21-SRK-TSF-BH-23	21-02-23004_VSTTSF23	SRK-TSF-CPT-15	15-Feb-2022	15-Feb-2022	5407082	475197	
VST21-SRK-TSF-BH-26	21-02-23004_VSTTSF26	SRK-TSF-CPT-17	13-Mar-2022	13-Mar-2022	5405897	472163	
VST21-SRK-TSF-BH-27	21-02-23004_VSTTSF27	SRK-TSF-CPT-18	05-Feb-2022	05-Feb-2022	5405734	476769	
VST21-SRK-TSF-BH-27B	21-02-23004_VSTTSF27B	SRK-TSF-CPT-18	10-Feb-2022	10-Feb-2022	5405731	476772	
VST21-SRK-TSF-BH-28	21-02-23004_VSTTSF28		11-Mar-2022	11-Mar-2022	5404752	472174	
VST21-SRK-TSF-BH-30	21-02-23004_VSTTSF30	SRK-TSF-CPT-20	26-Mar-2022	27-Mar-2022	5403615	473199	
VST21-SRK-TSF-BH-31	21-02-23004_VSTTSF31	SRK-TSF-CPT-23	19-Mar-2022	20-Mar-2022	5403414	476614	
VST21-SRK-TSF-BH-32	21-02-23004_VSTTSF32		24-Mar-2022	24-Mar-2022	5402570	473325	
VST21-SRK-TSF-BH-34	21-02-23004_VSTTSF34	SRK-TSF-CPT-21	25-Mar-2022	26-Mar-2022	5401921	473375	
VST21-SRK-TSF-BH-102	21-02-23004_VSTTSF102		01-Dec-2021	01-Dec-2021	5407222	465904	
VST21-SRK-TSF-BH-103	21-02-23004_VSTTSF103	SRK-TSF-CPT-102	28-Nov-2021	29-Nov-2021	5408278	468244	
VST21-SRK-WOS-BH-01	21-02-23004_VSTWOS01	SRK-WOS-CPT-01	01-Mar-2022	01-Mar-2022	5409082	471912	
VST21-SRK-WRD-BH-07	21-02-23004_VSTWRD07		17-Feb-2022	18-Feb-2022	5412786	471686	
VST21-SRK-WRD-BH-16	21-02-23004_VSTWRD16	SRK-WRD-CPT-10	07-Jan-2022	08-Jan-2022	5410758	474460	
VST21-SRK-WRD-BH-17	21-02-23004_VSTWRD17	SRK-WRD-CPT-16	19-Feb-2022	19-Feb-2022	5413768	471464	2

1. Coordinates were acquired using consumer grade GPS equipment, datum: WGS 1984 / UTM Zone 17 North.
2. The VST data is not reported due to equipment issues.

CONETEC

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST RESULTS

Sounding ID	File Name	Date	Load Cell Serial Number	Load Cell Location	Casing/Drillout Depth (m)	Test Depth[1] (m)	Vane Diameter D (mm)	Vane Height H (mm)	Top Taper Angle i_T (deg)	Bottom Taper Angle i_B (deg)	Vane Factor (kPa/Nm)	Peak Torque (Nm)	Remolded Torque (Nm)	Peak Stress (kPa)	Remolded Stress (kPa)	Peak Frictional Stress (kPa)	Remolded Frictional Stress (kPa)	Su Peak (kPa)	Su Remolded (kPa)	Sensitivity	Refer to Notation Number
VST21-SRK-HG-BH-01	21-02-23004_VSTHG01	10-Mar-2022	AVLC021	Surface	5.79	6.71	50	100	45	45	2.0608	18.98	9.08	39.11	18.72	13.95	15.17	25.16	3.56	7.08	
VST21-SRK-HG-BH-01	21-02-23004_VSTHG01	10-Mar-2022	AVLC021	Surface	11.89	12.80	50	100	45	45	2.0608	23.50	11.67	48.42	24.05	5.38	10.08	43.04	13.97	3.08	
VST21-SRK-HG-BH-01	21-02-23004_VSTHG01	10-Mar-2022	AVLC021	Surface	17.98	18.90	50	100	45	45	2.0608	34.36	23.55	70.81	48.53	5.59	14.56	65.22	33.97	1.92	
VST21-SRK-HG-BH-03	21-02-23004_VSTHG03	03-Mar-2022	AVLC021	Surface	2.44	2.90	50	100	45	45	2.0608	18.99	7.53	39.13	15.51	10.08	4.41	29.05	11.10	2.62	
VST21-SRK-HG-BH-03	21-02-23004_VSTHG03	03-Mar-2022	AVLC021	Surface	11.58	12.04	50	100	45	45	2.0608	18.70	5.65	38.53	11.65	7.15	5.09	31.37	6.56	4.79	
VST21-SRK-HG-BH-03	21-02-23004_VSTHG03	03-Mar-2022	AVLC021	Surface	20.73	21.64	50	100	45	45	2.0608	38.71	16.03	79.77	33.04	6.94	6.42	72.83	26.62	2.74	
VST21-SRK-LG-BH-01	21-02-23004_VSTLG01	27-Feb-2022	AVLC021	Surface	5.18	6.10	60	120	45	45	1.1926	23.33	8.14	27.82	9.71	1.80	3.94	26.02	5.77	4.51	
VST21-SRK-LG-BH-01	21-02-23004_VSTLG01	27-Feb-2022	AVLC021	Surface	11.28	12.28	60	120	45	45	1.1926	38.87	15.11	46.35	18.02	2.92	6.52	43.44	11.49	3.78	
VST21-SRK-LG-BH-01	21-02-23004_VSTLG01	27-Feb-2022	AVLC021	Surface	24.99	25.91	50	100	45	45	2.0608	16.17	4.20	33.32	8.65	2.13	1.04	31.19	7.61	4.10	
VST21-SRK-LG-BH-03	21-02-23004_VSTLG03	20-Feb-2022	AVLC058	Surface	2.44	3.66	40	80	45	45	4.0249	14.20	10.83	57.16	43.61	12.51	12.51	44.65	31.10	1.44	4
VST21-SRK-LG-BH-04	21-02-23004_VSTLG04	24-Nov-2021	AVLC020	Surface	6.10	6.71	50	100	45	45	2.0608	16.32	3.56	33.63	7.33	0.96	0.96	32.68	6.37	5.13	5
VST21-SRK-LG-BH-04	21-02-23004_VSTLG04	24-Nov-2021	AVLC020	Surface	12.19	12.80	50	100	45	45	2.0608	7.05	3.70	14.52	7.63	4.56	4.56	9.96	3.07	3.24	5
VST21-SRK-LG-BH-05	21-02-23004_VSTLG05	07-Mar-2022	AVLC021	Surface	5.49	6.40	50	100	45	45	2.0608	14.87	9.04	30.65	18.64	5.95	5.05	24.70	13.59	1.82	
VST21-SRK-LG-BH-05	21-02-23004_VSTLG05	07-Mar-2022	AVLC021	Surface	11.58	13.11	50	100	45	45	2.0608	24.09	10.44	49.64	21.51	7.68	7.68	41.96	13.83	3.03	4
VST21-SRK-LG-BH-05	21-02-23004_VSTLG05	08-Mar-2022	AVLC021	Surface	18.60	19.50	50	100	45	45	2.0608	36.46		75.13		9.38		65.75			13
VST21-SRK-LG-BH-05	21-02-23004_VSTLG05	08-Mar-2022	AVLC021	Surface	18.60	20.00	50	100	45	45	2.0608	34.39	10.21	70.87	21.04	14.11	14.11	56.76	6.93	8.19	5
VST21-SRK-LGS-BH-01	21-02-23004_VSTLGS01	20-Nov-2021	AVLC021	Surface	2.44	3.62	55	110	45	45	1.5483	80.62	35.88	124.82	55.55	10.96	7.31	113.86	48.25	2.36	
VST21-SRK-LGS-BH-01	21-02-23004_VSTLGS01	21-Nov-2021	AVLC021	Surface	25.30	25.39	50	100	45	45	2.0608	> 99.24		> 204.50		17.58		> 186.93			2
VST21-SRK-LGS-BH-08	21-02-23004_VSTLGS08	20-Nov-2021	AVLC020	Surface	6.10	6.71	50	100	45	45	2.0608	18.04	7.09	37.17	14.62	9.38	9.38	27.80	5.24	5.30	5
VST21-SRK-LGS-BH-08	21-02-23004_VSTLGS08	20-Nov-2021	AVLC020	Surface	18.29	18.90	50	100	45	45	2.0608	26.46	10.58	54.53	21.81	14.82	10.99	39.72	10.82	3.67	
VST21-SRK-NWR-BH-01	21-02-23004_VSTNWR01	13-Nov-2021	AVLC020	Surface	5.79	6.25	40	80	45	45	4.0249	> 97.71		> 393.28		59.11		> 334.17			2
VST21-SRK-NWR-BH-01	21-02-23004_VSTNWR01	13-Nov-2021	AVLC020	Surface	15.24	15.85	40	80	45	45	4.0249	> 96.87		> 389.91		18.46		> 371.45			2
VST21-SRK-NWR-BH-01	21-02-23004_VSTNWR01	13-Nov-2021	AVLC020	Surface	15.24	16.16	40	80	45	45	4.0249	> 100.37		> 403.99		18.46		> 385.53			2, 8
VST21-SRK-NWR-BH-01	21-02-23004_VSTNWR01	14-Nov-2021	AVLC020	Surface	31.40	32.16	40	40	45	45	6.7603	> 97.64		> 660.05		53.26		> 606.80			2
VST21-SRK-NWR-BH-01	21-02-23004_VSTNWR01	14-Nov-2021	AVLC020	Surface	39.62	39.93	40	40	45	45	6.7603	> 95.60		> 646.27		61.45		> 584.82			2
VST21-SRK-NWR-BH-07	21-02-23004_VSTNWR07	09-Nov-2021	AVLC020	Surface	6.10	6.71	50	100	45	45	2.0608	28.01	16.86	57.72	34.74	6.45	7.98	51.28	26.76	1.92	
VST21-SRK-NWR-BH-07	21-02-23004_VSTNWR07	10-Nov-2021	AVLC020	Surface	11.58	12.80	50	100	45	45	2.0608	24.91	7.02	51.34	14.46	6.42	4.81	44.92	9.64	4.66	
VST21-SRK-NWR-BH-07	21-02-23004_VSTNWR07	10-Nov-2021	AVLC020	Surface	11.58	13.11	50	100	45	45	2.0608	22.04	8.21	45.43	16.93	6.43	7.88	39.00	9.05	4.31	
VST21-SRK-NWR-BH-07	21-02-23004_VSTNWR07	10-Nov-2021	AVLC020	Surface	17.37	19.05	50	100	45	45	2.0608	> 90.76		> 187.03		3.56		> 183.47			2
VST21-SRK-NWR-BH-07	21-02-23004_VSTNWR07	10-Nov-2021	AVLC020	Surface	17.37	19.20	50	100	45	45	2.0608	90.97	22.48	187.46	46.32	13.87	9.03	173.59	37.29	4.65	
VST21-SRK-NWR-BH-11	21-02-23004_VSTNWR11	07-Nov-2021	AVLC020	Surface	9.14	9.75	50	100	45	45	2.0608	22.87	12.94	47.12	26.68	5.73	5.42	41.39	21.26	1.95	
VST21-SRK-NWR-BH-11	21-02-23004_VSTNWR11	08-Nov-2021	AVLC020	Surface	14.63	15.55	50	100	45	45	2.0608	22.74		46.86		6.20		40.66			13
VST21-SRK-NWR-BH-11	21-02-23004_VSTNWR11	08-Nov-2021	AVLC020	Surface	14.63	15.85	50	100	45	45	2.0608	22.13	6.89	45.61	14.21	6.70	5.51	38.92	8.70	4.47	
VST21-SRK-NWR-BH-11	21-02-23004_VSTNWR11	08-Nov-2021	AVLC020	Surface	21.03	21.95	50	100	45	45	2.0608	25.54	8.08	52.63	16.66	8.42	7.95	44.21	8.70	5.08	
VST21-SRK-OP-BD-01	21-02-23004_VST01	17-Oct-2021	AVLC018	Surface	9.14	10.36	50	100	45	45	2.0608	18.21	8.55	37.53	17.63	8.36	7.32	29.17	10.31	2.83	
VST21-SRK-OP-BD-01	21-02-23004_VST01	18-Oct-2021	AVLC018	Surface	16.46	17.07	50	100	45	45	2.0608	30.60	11.65	63.06	24.02	8.67	8.68	54.39	15.34	3.55	
VST21-SRK-OP-BD-02	21-02-23004_VST02	02-Nov-2021	AVLC020	Surface	9.14	9.75	50	100	45	45	2.0608	15.56	7.68	32.07	15.82	2.36	3.63	29.71	12.20	2.44	
VST21-SRK-OP-BD-02	21-02-23004_VST02	02-Nov-2021	AVLC020	Surface	15.24	15.85	50	100	45	45	2.0608	16.48	5.64	33.97	11.63	1.95	1.37	32.02	10.26	3.12	
VST21-SRK-OP-BD-03	21-02-23004_VST03	01-Oct-2021	AVLC018	Surface	11.30	11.90	50	100	45	45	2.0608	24.70	8.34	50.89	17.18	1.01	7.64	49.89	9.55	5.22	
VST21-SRK-OP-BD-03	21-02-23004_VST03	01-Oct-2021	AVLC018	Surface	18.90	19.50	50	100	45	45	2.0608	58.43	13.40	120.41	27.62	8.23	1.80	112.18	25.83	4.34	
VST21-SRK-OP-BD-05	21-02-23004_VST05	07-Oct-2021	AVLC020	Surface	9.14	10.88	50	100	45	45	2.0608	46.95	12.43	96.75	25.62	7.09	7.09	89.66	18.53	4.84	3
VST21-SRK-OP-BD-05	21-02-23004_VST05	07-Oct-2021	AVLC020	Surface	15.24	16.06	50	100	45	45	2.0608	> 95.33		> 196.46		7.09		> 189.37			2
VST21-SRK-OP-BD-07	21-02-23004_VST07	10-Jan-2022	AVLC020	Surface	7.31	8.13	50	100	45	45	2.0608	> 110.97		> 228.69		21.29		> 207.40			2
VST21-SRK-OP-BD-11	21-02-23004_VST11	09-Oct-2021	AVLC018	Surface	9.14	9.75	50	100	45	45	2.0608	19.38	8.76	39.94	18.06	5.62	5.01	34.32	13.04	2.63	
VST21-SRK-OP-BD-11	21-02-23004_VST11	09-Oct-2021	AVLC018	Surface	18.29	18.90	50	100	45	45	2.0608	21.59	4.77	44.50	9.84	4.45	3.90	40.05	5.94	6.74	20
VST21-SRK-OP-BD-12	21-02-23004_VST12	04-Oct-2021	AVLC020	Surface	7.77	8.99	50	100	45	45	2.0608	37.43	10.39	77.14	21.40	3.91	6.37	73.23	15.03	4.87	6
VST21-SRK-OP-BD-12	21-02-23004_VST12	05-Oct-2021	AVLC020	Surface	15.24	15.85	50	100	45	45	2.0608	27.03	10.69	55.70	22.02	3.91	6.37	51.78	15.65	3.31	
VST21-SRK-OP-BH-01	21-02-23004_VSTOP01	22-Feb-2022	AVLC058	Surface	3.05	3.81	60	120	45	45	1.1926	47.83	12.97	57.04	15.46	2.90	3.73	54.14	11.73	4.61	
VST21-SRK-OP-BH-01	21-02-23004_VSTOP01	22-Feb-2022	AVLC058	Surface	8.54	9.75	60	120	45	45	1.1926	22.01	6.63	26.25	7.91	4.99	4.99	21.26	2.92	7.28	4
VST21-SRK-OP-BH-02	21-02-23004_VSTOP02	03-Dec-2021	AVLC020	Surface	8.54	8.72	40	80	45	45	4.0249	23.29	11.76	93.75	47.34	20.19	19.24	73.56	28.10	2.62	
VST21-SRK-OP-BH-02	21-02-23004_VSTOP02	04-Dec-2021	AVLC020	Surface	12.50	13.18	50	100	45	45	2.0608	25.43	8.43	52.40	17.37	4.07	2.88	48.34	14.49	3.34	
VST21-SRK-OP-BH-03	21-02-23004_VSTOP03	04-Jan-2022	AVLC020	Surface	6.10	6.71	50	100	45	45	2.0608	62.52	9.48	128.84	19.54	10.80	10.36	118.04	9.18	12.86	19
VST21-SRK-OP-BH-03	21-02-23004_VSTOP03	05-Jan-2022	AVLC020	Surface	12.19	12.80	50	100	45	45	2.0608	29.33	9.26	60.44	19.08	8.08	4.78	52.36	14.30	3.66	

CONETEC

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST RESULTS

Sounding ID	File Name	Date	Load Cell Serial Number	Load Cell Location	Casing/Drillout Depth (m)	Test Depth[1] (m)	Vane Diameter D (mm)	Vane Height H (mm)	Top Taper Angle i_T (deg)	Bottom Taper Angle i_B (deg)	Vane Factor (kPa/Nm)	Peak Torque (Nm)	Remolded Torque (Nm)	Peak Stress (kPa)	Remolded Stress (kPa)	Peak Frictional Stress (kPa)	Remolded Frictional Stress (kPa)	Su Peak (kPa)	Su Remolded (kPa)	Sensitivity	Refer to Notation Number
VST21-SRK-OP-BH-04	21-02-23004_VSTOP04	18-Nov-2021	AVLC020	Surface	3.05	3.66	50	100	45	45	2.0608	> 110.08	49.60	> 226.85	102.22	21.19	11.95	> 205.67	90.27		2
VST21-SRK-OP-BH-04	21-02-23004_VSTOP04	18-Nov-2021	AVLC020	Surface	9.14	9.75	50	100	45	45	2.0608	36.81	11.19	75.86	23.06	11.23	5.91	64.63	17.15	3.77	
VST21-SRK-OP-BH-07	21-02-23004_VSTOP07	11-Oct-2021	AVLC018	Surface	27.43	28.35	50	100	45	45	2.0608	51.18	32.93	105.47	67.87	9.66	5.56	95.81	62.31	1.54	
VST21-SRK-OP-BH-08	21-02-23004_VSTOP08	13-Feb-2022	AVLC058	Surface	2.74	3.35	60	120	45	45	1.1926	22.93	11.44	27.34	13.65	3.74	1.10	23.60	12.55	1.88	
VST21-SRK-OP-BH-08	21-02-23004_VSTOP08	13-Feb-2022	AVLC058	Surface	5.18	6.40	60	120	45	45	1.1926	21.00	9.85	25.04	11.75	1.61	0.29	23.44	11.46	2.05	
VST21-SRK-OP-BH-09	21-02-23004_VSTOP09	04-Nov-2021	AVLC020	Surface	6.10	6.71	50	100	45	45	2.0608	15.30	5.33	31.52	10.97	3.88	3.55	27.65	7.42	3.72	
VST21-SRK-OP-BH-09	21-02-23004_VSTOP09	04-Nov-2021	AVLC020	Surface	12.19	12.80	50	100	45	45	2.0608	16.08	4.58	33.14	9.43	2.42	0.60	30.72	8.84	3.48	
VST21-SRK-OP-BH-10	21-02-23004_VSTOP10	24-Feb-2022	AVLC021	Surface	11.58	12.50	60	120	45	45	1.1926	27.66	8.86	32.99	10.56	2.40	2.40	30.59	8.16	3.75	5
VST21-SRK-OP-BH-10	21-02-23004_VSTOP10	24-Feb-2022	AVLC021	Surface	16.16	16.61	60	120	45	45	1.1926	43.29	16.40	51.63	19.56	2.07	3.59	49.56	15.97	3.10	
VST21-SRK-OP-BH-10	21-02-23004_VSTOP10	24-Feb-2022	AVLC021	Surface	20.73	21.64	60	120	45	45	1.1926	74.05	15.10	88.31	18.01	4.72	0.25	83.58	17.76	4.71	
VST21-SRK-PF-BH-02	21-02-23004_VSTPF02	13-Nov-2021	AVLC033	Surface	2.44	2.94	45	90	45	45	2.8268	18.40	10.47	52.01	29.60	14.30	8.59	37.71	21.01	1.79	
VST21-SRK-PF-BH-02	21-02-23004_VSTPF02	13-Nov-2021	AVLC033	Surface	6.10	6.58	55	110	45	45	1.5483	64.06	15.76	99.18	24.40	14.30	8.59	84.87	15.81	5.37	7
VST21-SRK-PF-BH-03	21-02-23004_VSTPF03	08-Mar-2022	AVLC021	Surface	5.79	6.71	50	100	45	45	2.0608	15.77	9.85	32.50	20.29	4.08	11.97	28.42	8.33	3.41	
VST21-SRK-PF-BH-03	21-02-23004_VSTPF03	08-Mar-2022	AVLC021	Surface	11.90	12.95	50	100	45	45	2.0608	16.80	7.51	34.61	15.48	5.45	5.45	29.17	10.04	2.91	4
VST21-SRK-PF-BH-03	21-02-23004_VSTPF03	09-Mar-2022	AVLC021	Surface	18.00	18.90	50	100	45	45	2.0608	29.03	16.44	59.83	33.88	5.28	5.28	54.55	28.60	1.91	4
VST21-SRK-PF-BH-04	21-02-23004_VSTPF04	12-Dec-2021	AVLC020	Surface	7.62	8.23	50	100	45	45	2.0608	34.91	9.57	71.94	19.71	17.24	7.27	54.71	12.45	4.39	
VST21-SRK-SOS-BH-01	21-02-23004_VSTSOS01	16-Oct-2021	AVLC018	Surface	6.10	6.71	50	100	45	45	2.0608	12.75	5.26	26.27	10.85	7.32	5.77	18.95	5.08	3.73	
VST21-SRK-SOS-BH-01	21-02-23004_VSTSOS01	16-Oct-2021	AVLC018	Surface	12.19	12.80	50	100	45	45	2.0608	15.25	3.15	31.42	6.50	3.05	2.78	28.37	3.71	7.64	
VST21-SRK-SOS-BH-02	21-02-23004_VSTSOS02	15-Mar-2022	AVLC021	Surface	5.49	6.71	50	100	45	45	2.0608	17.41	11.36	35.87	23.41	5.72	7.58	30.15	15.83	1.90	
VST21-SRK-SOS-BH-02	21-02-23004_VSTSOS02	15-Mar-2022	AVLC021	Surface	13.10	14.30	60	120	45	45	1.1926	55.24	13.51	65.87	16.11	9.93	1.96	55.94	14.15	3.95	
VST21-SRK-SOS-BH-02	21-02-23004_VSTSOS02	16-Mar-2022	AVLC021	Surface	18.30	19.50	60	120	45	45	1.1926	24.29	10.73	28.97	12.80	0.79	3.88	28.18	8.92	3.16	
VST21-SRK-SOS-BH-05	21-02-23004_VSTSOS05	14-Oct-2021	AVLC018	Surface	6.10	6.71	50	100	45	45	2.0608	9.30	2.20	19.17	4.52	9.97	2.48	9.20	2.04	4.51	17
VST21-SRK-SOS-BH-05	21-02-23004_VSTSOS05	14-Oct-2021	AVLC018	Surface	14.02	14.32	50	100	45	45	2.0608	10.10	7.13	20.81	14.70	4.99	8.31	15.82	6.39	2.48	17
VST21-SRK-SOS-BH-05	21-02-23004_VSTSOS05	14-Oct-2021	AVLC018	Surface	18.90	19.51	50	100	45	45	2.0608	94.57	29.13	194.88	60.03	13.48	6.00	181.40	54.03	3.36	
VST21-SRK-TSF-BH-01A	21-02-23004_VSTTSF01A	20-Jan-2022	AVLC020	Surface	5.00	6.30	40	80	45	45	4.0249	15.54	7.58	62.53	30.52	10.74	3.10	51.79	27.43	1.89	
VST21-SRK-TSF-BH-04	21-02-23004_VSTTSF04	25-Jan-2022	AVLC020	Surface	3.35	4.12	40	80	45	45	4.0249	12.19		49.05		11.77		37.28			13
VST21-SRK-TSF-BH-04	21-02-23004_VSTTSF04	25-Jan-2022	AVLC020	Surface	3.35	4.27	40	80	45	45	4.0249	14.52	8.06	58.45	32.42	12.27	13.86	46.18	18.57	2.49	
VST21-SRK-TSF-BH-06	21-02-23004_VSTTSF06	16-Feb-2022	AVLC058	Surface	2.74	5.43	60	120	45	45	1.1926	14.14		16.87		0.85		16.01			9
VST21-SRK-TSF-BH-07	21-02-23004_VSTTSF07	31-Oct-2021	AVLC018	Surface	7.01	7.32	50	100	45	45	2.0608	15.88	8.34	32.73	17.19	8.82	7.73	23.91	9.46	2.53	
VST21-SRK-TSF-BH-07	21-02-23004_VSTTSF07	31-Oct-2021	AVLC020	Surface	10.67	11.28	50	100	45	45	2.0608	22.03	7.94	45.39	16.36	5.12	6.53	40.27	9.83	4.10	
VST21-SRK-TSF-BH-07	21-02-23004_VSTTSF07	31-Oct-2021	AVLC020	Surface	14.63	15.85	50	100	45	45	2.0608	26.36	9.11	54.32	18.77	7.04	5.50	47.28	13.27	3.56	
VST21-SRK-TSF-BH-09	21-02-23004_VSTTSF09	27-Oct-2021	AVLC018	Surface	2.44	2.74	50	100	45	45	2.0608	27.06	7.72	55.77	15.90	2.71	0.60	53.06	15.30	3.47	
VST21-SRK-TSF-BH-09	21-02-23004_VSTTSF09	27-Oct-2021	AVLC018	Surface	8.23	8.84	50	100	45	45	2.0608	15.96	6.08	32.88	12.53	5.64	4.18	27.24	8.34	3.27	
VST21-SRK-TSF-BH-09	21-02-23004_VSTTSF09	27-Oct-2021	AVLC018	Surface	14.33	15.24	50	100	45	45	2.0608	5.39	2.76	11.11	5.68	2.99	2.80	8.13	2.88	2.82	
VST21-SRK-TSF-BH-10	21-02-23004_VSTTSF10	22-Oct-2021	AVLC018	Surface	5.79	6.71	50	100	45	45	2.0608	17.12	9.46	35.29	19.49	4.99	3.48	30.30	16.01	1.89	
VST21-SRK-TSF-BH-10	21-02-23004_VSTTSF10	22-Oct-2021	AVLC018	Surface	11.58	12.80	50	100	45	45	2.0608	14.34	11.48	29.55	23.67	5.48	3.79	24.07	19.87	1.21	
VST21-SRK-TSF-BH-10	21-02-23004_VSTTSF10	23-Oct-2021	AVLC018	Surface	14.02	15.55	50	100	45	45	2.0608	16.19	9.97	33.36	20.55	5.62	3.94	27.74	16.61	1.67	
VST21-SRK-TSF-BH-11	21-02-23004_VSTTSF11	12-Feb-2022	AVLC058	Surface	2.74	4.00	50	100	45	45	2.0608	26.98	6.48	55.60	13.36	19.85	2.28	35.75	11.08	3.23	
VST21-SRK-TSF-BH-11	21-02-23004_VSTTSF11	12-Feb-2022	AVLC058	Surface	2.74	5.50	50	100	45	45	2.0608	14.01	6.79	28.86	14.00	10.41	3.01	18.45	10.99	1.68	
VST21-SRK-TSF-BH-13	21-02-23004_VSTTSF13	23-Jan-2022	AVLC020	Surface	5.49	6.50	40	80	45	45	4.0249	14.01	9.02	56.40	36.30	24.30	15.09	32.10	21.21	1.51	
VST21-SRK-TSF-BH-13	21-02-23004_VSTTSF13	23-Jan-2022	AVLC020	Surface	8.81	9.50	40	80	45	45	4.0249	11.59	4.47	46.67	18.01	5.41	3.22	41.26	14.79	2.79	
VST21-SRK-TSF-BH-13	21-02-23004_VSTTSF13	23-Jan-2022	AVLC020	Surface	12.50	13.00	40	80	45	45	4.0249	13.19	1.15	53.09	4.62	0.70	0.70	52.38	3.92	13.38	5
VST21-SRK-TSF-BH-15	21-02-23004_VSTTSF15	27-Jan-2022	AVLC020	Surface	2.44	2.74	40	80	45	45	4.0249	46.57	14.34	187.42	57.73	16.20	5.53	171.23	52.20	3.28	
VST21-SRK-TSF-BH-15	21-02-23004_VSTTSF15	27-Jan-2022	AVLC020	Surface	7.62	8.22	40	80	45	45	4.0249	15.35	7.85	61.77	31.59	6.82	4.32	54.95	27.27	2.01	
VST21-SRK-TSF-BH-16	21-02-23004_VSTTSF16	22-Mar-2022	AVLC021	Surface	7.01	7.77	60	120	45	45	1.1926	30.62	20.96	36.51	25.00	12.83	12.83	23.69	12.17	1.95	
VST21-SRK-TSF-BH-16	21-02-23004_VSTTSF16	23-Mar-2022	AVLC021	Surface	13.11	13.87	60	120	45	45	1.1926	35.79	24.58	42.68	29.31	15.60	15.60	27.08	13.71	1.98	5
VST21-SRK-TSF-BH-16	21-02-23004_VSTTSF16	23-Mar-2022	AVLC021	Surface	19.20	19.81	50	100	45	45	2.0608	14.61	3.89	30.11	8.01	1.22	1.94	28.90	6.07	4.76	
VST21-SRK-TSF-BH-18	21-02-23004_VSTTSF18	16-Nov-2021	AVLC033	Surface	4.57	5.57	55	110	45	45	1.5483	21.02	8.20	32.54	12.70	9.52	4.62	23.02	8.07	2.85	
VST21-SRK-TSF-BH-18	21-02-23004_VSTTSF18	17-Nov-2021	AVLC021	Surface	13.11	14.22	55	110	45	45	1.5483	34.11	11.59	52.82	17.94	12.87	9.52	39.95	8.42	4.74	
VST21-SRK-TSF-BH-19	21-02-23004_VSTTSF19	25-Oct-2021	AVLC018	Surface	2.59	3.05	50	100	45	45	2.0608	> 99.69		> 205.44		30.65		> 174.79			2
VST21-SRK-TSF-BH-19	21-02-23004_VSTTSF19	25-Oct-2021	AVLC018	Surface	5.79	6.10	40	80	45	45	4.0249	9.53	5.20	38.36	20.93	19.20	5.25	19.15	15.69	1.22	10, 14
VST21-SRK-TSF-BH-19	21-02-23004_VSTTSF19	25-Oct-2021	AVLC018	Surface	8.84	9.14	50	100	45	45	2.0608	19.96	11.93	41.14	24.57	6.53	5.25	34.61	19.33	1.79	

CONETEC

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST RESULTS

Sounding ID	File Name	Date	Load Cell Serial Number	Load Cell Location	Casing/Drillout Depth (m)	Test Depth[1] (m)	Vane Diameter D (mm)	Vane Height H (mm)	Top Taper Angle i_T (deg)	Bottom Taper Angle i_B (deg)	Vane Factor (kPa/Nm)	Peak Torque (Nm)	Remolded Torque (Nm)	Peak Stress (kPa)	Remolded Stress (kPa)	Peak Frictional Stress (kPa)	Remolded Frictional Stress (kPa)	Su Peak (kPa)	Su Remolded (kPa)	Sensitivity	Refer to Notation Number
VST21-SRK-TSF-BH-22	21-02-23004_VSTTSF22	17-Mar-2022	AVLC021	Surface	2.44	4.00	50	100	45	45	2.0608	52.33	9.41	107.83	19.39	9.79	9.81	98.04	9.58	10.23	
VST21-SRK-TSF-BH-22	21-02-23004_VSTTSF22	17-Mar-2022	AVLC021	Surface	11.58	13.00	50	100	45	45	2.0608	19.52	10.16	40.22	20.94	3.44	2.67	36.77	18.27	2.01	
VST21-SRK-TSF-BH-22	21-02-23004_VSTTSF22	17-Mar-2022	AVLC021	Surface	16.76	17.98	60	120	45	45	1.1926	34.15	16.00	40.73	19.08	3.08	5.05	37.65	14.03	2.68	
VST21-SRK-TSF-BH-22	21-02-23004_VSTTSF22	17-Mar-2022	AVLC021	Surface	22.25	22.86	50	100	45	45	2.0608	64.41	37.33	132.74	76.93	10.23	6.94	122.51	70.00	1.75	
VST21-SRK-TSF-BH-23	21-02-23004_VSTTSF23	15-Feb-2022	AVLC058	Surface	5.18	5.94	50	100	45	45	2.0608	32.57	8.64	67.11	17.81	4.78	4.55	62.33	13.26	4.70	
VST21-SRK-TSF-BH-23	21-02-23004_VSTTSF23	15-Feb-2022	AVLC058	Surface	9.14	9.75	60	120	45	45	1.1926	20.47	3.31	24.41	3.95	1.58	0.89	22.83	3.07	7.45	
VST21-SRK-TSF-BH-26	21-02-23004_VSTTSF26	13-Mar-2022	AVLC021	Surface	5.50	6.70	50	100	45	45	2.0608	20.54	11.71	42.33	24.14	12.14	12.14	30.20	12.00	2.52	5
VST21-SRK-TSF-BH-26	21-02-23004_VSTTSF26	13-Mar-2022	AVLC021	Surface	10.06	11.00	50	100	45	45	2.0608	18.47	9.98	38.07	20.56	6.02	4.84	32.05	15.72	2.04	
VST21-SRK-TSF-BH-26	21-02-23004_VSTTSF26	13-Mar-2022	AVLC021	Surface	10.06	12.00	50	100	45	45	2.0608	21.20	10.33	43.68	21.29	18.29	13.89	25.39	7.40	3.43	
VST21-SRK-TSF-BH-26	21-02-23004_VSTTSF26	13-Mar-2022	AVLC021	Surface	11.58	13.00	50	100	45	45	2.0608	21.94	14.16	45.21	29.17	5.14	7.74	40.07	21.43	1.87	
VST21-SRK-TSF-BH-27	21-02-23004_VSTTSF27	05-Feb-2022	AVLC058	Surface	14.02	15.55	50	100	45	45	2.0608	28.33	10.09	58.37	20.79	12.05	12.05	46.32	8.74	5.30	4
VST21-SRK-TSF-BH-27	21-02-23004_VSTTSF27	05-Feb-2022	AVLC058	Surface	14.02	15.85	50	100	45	45	2.0608	22.29	14.04	45.93	28.93	10.95	10.95	34.99	17.99	1.95	5
VST21-SRK-TSF-BH-27B	21-02-23004_VSTTSF27B	10-Feb-2022	AVLC058	Surface	19.05	19.78	50	100	45	45	2.0608	24.21	7.64	49.89	15.74	17.25	11.07	32.64	4.67	6.99	
VST21-SRK-TSF-BH-28	21-02-23004_VSTTSF28	11-Mar-2022	AVLC021	Surface	5.18	6.71	50	100	45	45	2.0608	11.36	6.03	23.42	12.43	4.49	8.42	18.93	4.01	4.72	
VST21-SRK-TSF-BH-28	21-02-23004_VSTTSF28	11-Mar-2022	AVLC021	Surface	9.75	11.00	50	100	45	45	2.0608	18.54	9.46	38.20	19.50	4.16	10.56	34.04	8.94	3.81	
VST21-SRK-TSF-BH-28	21-02-23004_VSTTSF28	12-Mar-2022	AVLC021	Surface	15.80	17.00	60	120	45	45	1.1926	60.63	27.70	72.30	33.04	3.75	3.75	68.55	29.29	2.34	5
VST21-SRK-TSF-BH-30	21-02-23004_VSTTSF30	26-Mar-2022	AVLC021	Surface	3.05	3.96	60	120	45	45	1.1926	23.20	13.21	27.66	15.76	8.22	6.03	19.44	9.72	2.00	
VST21-SRK-TSF-BH-30	21-02-23004_VSTTSF30	27-Mar-2022	AVLC021	Surface	6.71	8.23	60	120	45	45	1.1926	28.37	13.97	33.84	16.66	2.96	3.53	30.88	13.13	2.35	
VST21-SRK-TSF-BH-30	21-02-23004_VSTTSF30	27-Mar-2022	AVLC021	Surface	12.19	13.11	50	100	45	45	2.0608	34.94	14.47	72.01	29.83	6.66	9.79	65.35	20.04	3.26	
VST21-SRK-TSF-BH-31	21-02-23004_VSTTSF31	19-Mar-2022	AVLC021	Surface	5.49	6.10	50	100	45	45	2.0608	21.67	5.85	44.66	12.05	3.68	3.68	40.98	8.37	4.90	5
VST21-SRK-TSF-BH-31	21-02-23004_VSTTSF31	19-Mar-2022	AVLC021	Surface	11.58	14.02	60	120	45	45	1.1926	12.97	7.52	15.46	8.96	3.99	5.14	11.47	3.82	3.00	11, 18
VST21-SRK-TSF-BH-31	21-02-23004_VSTTSF31	20-Mar-2022	AVLC021	Surface	17.68	18.29	60	120	45	45	1.1926	37.20	20.65	44.37	24.63	6.56	10.01	37.81	14.61	2.59	
VST21-SRK-TSF-BH-32	21-02-23004_VSTTSF32	24-Mar-2022	AVLC021	Surface	5.79	6.86	60	120	45	45	1.1926	21.92	10.58	26.14	12.62	4.46	7.50	21.68	5.11	4.24	
VST21-SRK-TSF-BH-32	21-02-23004_VSTTSF32	24-Mar-2022	AVLC021	Surface	5.79	7.93	60	120	45	45	1.1926	26.03	11.51	31.04	13.73	7.20	7.20	23.85	6.53	3.65	5
VST21-SRK-TSF-BH-32	21-02-23004_VSTTSF32	24-Mar-2022	AVLC021	Surface	8.54	9.75	60	120	45	45	1.1926	22.13	11.04	26.39	13.17	5.70	5.70	20.69	7.47	2.77	5
VST21-SRK-TSF-BH-34	21-02-23004_VSTTSF34	25-Mar-2022	AVLC021	Surface	5.49	6.55	60	120	45	45	1.1926	14.16	7.35	16.88	8.77	3.90	6.19	12.98	2.58	5.04	12
VST21-SRK-TSF-BH-34	21-02-23004_VSTTSF34	26-Mar-2022	AVLC021	Surface	8.54	9.91	60	120	45	45	1.1926	24.79	12.06	29.57	14.39	3.90	6.19	25.67	8.20	3.13	
VST21-SRK-TSF-BH-102	21-02-23004_VSTTSF102	01-Dec-2021	AVLC020	Surface	6.10	6.40	50	100	45	45	2.0608	19.64	12.29	40.47	25.33	4.68	6.52	35.79	18.81	1.90	
VST21-SRK-TSF-BH-102	21-02-23004_VSTTSF102	01-Dec-2021	AVLC020	Surface	13.11	13.41	50	100	45	45	2.0608	16.20	8.52	33.38	17.56	11.47	7.19	21.91	10.38	2.11	
VST21-SRK-TSF-BH-102	21-02-23004_VSTTSF102	01-Dec-2021	AVLC020	Surface	17.68	18.59	50	100	45	45	2.0608	30.02	11.59	61.85	23.88	3.80	3.80	58.05	20.07	2.89	5
VST21-SRK-TSF-BH-103	21-02-23004_VSTTSF103	28-Nov-2021	AVLC020	Surface	4.57	4.88	50	100	45	45	2.0608	35.65	15.95	73.46	32.87	23.45	10.86	50.01	22.02	2.27	
VST21-SRK-TSF-BH-103	21-02-23004_VSTTSF103	29-Nov-2021	AVLC020	Surface	6.71	7.01	50	100	45	45	2.0608	9.02	9.29	18.60	19.15	3.25	5.35	15.35	13.81	1.11	15
VST21-SRK-TSF-BH-103	21-02-23004_VSTTSF103	29-Nov-2021	AVLC020	Surface	10.67	10.97	50	100	45	45	2.0608	30.06	14.62	61.94	30.13	18.26	17.60	43.68	12.54	3.48	
VST21-SRK-TSF-BH-103	21-02-23004_VSTTSF103	29-Nov-2021	AVLC020	Surface	13.72	14.02	50	100	45	45	2.0608	34.89	21.55	71.89	44.42	5.75	5.75	66.14	38.67	1.71	5
VST21-SRK-WOS-BH-01	21-02-23004_VSTWOS01	01-Mar-2022	AVLC021	Surface	5.18	6.10	60	120	45	45	1.1926	16.42	6.79	19.58	8.09	3.84	4.65	15.74	3.45	4.56	16
VST21-SRK-WOS-BH-01	21-02-23004_VSTWOS01	01-Mar-2022	AVLC021	Surface	11.28	12.19	60	120	45	45	1.1926	34.94	12.00	41.67	14.31	1.39	3.68	40.28	10.64	3.79	
VST21-SRK-WOS-BH-01	21-02-23004_VSTWOS01	01-Mar-2022	AVLC021	Surface	17.70	18.90	60	120	45	45	1.1926	44.53	10.24	53.10	12.22	1.72	4.47	51.38	7.75	6.63	
VST21-SRK-WRD-BH-07	21-02-23004_VSTWRD07	17-Feb-2022	AVLC058	Surface	3.66	4.88	75	150	45	45	0.6106	> 96.83		> 59.12				> 59.12			2
VST21-SRK-WRD-BH-07	21-02-23004_VSTWRD07	18-Feb-2022	AVLC058	Surface	11.28	12.19	60	120	45	45	1.1926	> 93.08		> 111.00				> 111.00			2
VST21-SRK-WRD-BH-16	21-02-23004_VSTWRD16	07-Jan-2022	AVLC020	Surface	5.79	6.40	50	100	45	45	2.0608	17.45	6.72	35.97	13.84	3.01	4.79	32.95	9.05	3.64	
VST21-SRK-WRD-BH-16	21-02-23004_VSTWRD16	07-Jan-2022	AVLC020	Surface	11.89	12.50	50	100	45	45	2.0608	20.58	6.23	42.41	12.84	6.00	3.85	36.42	8.98	4.05	
VST21-SRK-WRD-BH-16	21-02-23004_VSTWRD16	08-Jan-2022	AVLC020	Surface	18.29	18.93	50	100	45	45	2.0608	> 110.87		> 228.49		10.51		> 217.98			2

1. Test depths are referenced to the middle of the vane.
2. The vane load cell capacity was exceeded.
3. The peak and remolded frictional stress was assumed to be the same as the peak frictional stress for the test at 16.06m.
4. The peak frictional stress was assumed to be the same as the remolded frictional stress.
5. The remolded frictional stress was assumed to be the same as the peak frictional stress.
6. The peak and remolded frictional stress was assumed to be the same as the peak and remolded frictional stress for the test at 15.85m.
7. The peak and remolded frictional stress was assumed to be the same as the peak and remolded frictional stress for the test at 2.94m.
8. The peak frictional stress was assumed to be the same as the peak frictional stress for the test at 15.85m.
9. The remold test is not presented due to equipment issues.
10. The remolded frictional stress was assumed to be the same as the remolded frictional stress for the test at 9.14m.
11. The rods sank 0.5 feet while remolding the soil.
12. The peak and remolded frictional stress was assumed to be the same as the peak and remolded frictional stress for the test at 9.91m.
13. A remold test was not performed.

Job Number:	21-02-23004
Client:	Canada Nickel Company
Project:	Crawford Mine
Start Date:	01-Oct-2021
End Date:	27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST RESULTS

Sounding ID	File Name	Date	Load Cell Serial Number	Load Cell Location	Casing/Drillout Depth (m)	Test Depth[1] (m)	Vane Diameter D (mm)	Vane Height H (mm)	Top Taper Angle i_T (deg)	Bottom Taper Angle i_B (deg)	Vane Factor (kPa/Nm)	Peak Torque (Nm)	Remolded Torque (Nm)	Peak Stress (kPa)	Remolded Stress (kPa)	Peak Frictional Stress (kPa)	Remolded Frictional Stress (kPa)	Su Peak (kPa)	Su Remolded (kPa)	Sensitivity	Refer to Notation Number

14. There was an obstruction in the peak test between 68.8 - 97.4 degrees. The first peak at 39.0 degrees was selected for the peak stress.
15. A peak value may not have been reached.
16. The vane results for this test are anomalous for this borehole.
17. The test results may have been influenced by debris in the chucks and rods.
18. There was an obstruction in the peak test, the first peak at 29.2 degrees was selected for the peak stress.
19. The vane results should be scrutinized because the material appears granular.
20. There was an obstruction in the peak test, the first peak at 19.2 degrees was selected for the peak stress.

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST TIMING

Sounding ID	Date	Test Depth[1] (m)	Vane Insertion Time (HH:mm)	Peak Test Start Time (HH:mm)	Insertion to Start Interval (min)	Start to Failure Interval (sec)	Peak Test Avg Rate (deg/sec)	Remolding Completion Time (HH:mm)	Remold Test Start Time (HH:mm)	Remolding to Start Interval (min)	Remold Test Avg Rate (deg/sec)	Refer to Notation Number
VST21-SRK-HG-BH-01	10-Mar-2022	6.71	09:32	09:34	3	417	0.09	10:14	10:14	0	0.09	
VST21-SRK-HG-BH-01	10-Mar-2022	12.80	12:17	12:19	2	635	0.09	12:48	12:48	1	0.10	
VST21-SRK-HG-BH-01	10-Mar-2022	18.90	14:35	14:37	3	1039	0.09	15:08	15:08	1	0.10	
VST21-SRK-HG-BH-03	03-Mar-2022	2.90	10:41	10:41	0	305	0.08	11:01	11:02	1	0.08	
VST21-SRK-HG-BH-03	03-Mar-2022	12.04	13:37	13:40	4	184	0.08	14:00	14:01	2	0.08	
VST21-SRK-HG-BH-03	03-Mar-2022	21.64	16:39	16:43	4	428	0.07	17:08	17:09	1	0.09	
VST21-SRK-LG-BH-01	27-Feb-2022	6.10	10:18	10:21	4	351	0.08	10:51	10:53	2	0.08	
VST21-SRK-LG-BH-01	27-Feb-2022	12.28	13:08	13:12	4	441	0.08	14:00	14:02	2	0.08	
VST21-SRK-LG-BH-01	27-Feb-2022	25.91	23:24	23:28	4	1407	0.11	00:19	00:20	1	0.13	
VST21-SRK-LG-BH-03	20-Feb-2022	3.66	21:30	21:31	1	2663	0.07	23:04	23:04	0	0.06	
VST21-SRK-LG-BH-04	24-Nov-2021	6.71	09:23	09:25	2	476	0.09	09:49	09:50	2	0.09	
VST21-SRK-LG-BH-04	24-Nov-2021	12.80	11:37	11:38	2	229	0.09	12:02	12:02	1	0.09	
VST21-SRK-LG-BH-05	07-Mar-2022	6.40	12:23	12:23	1	976	0.09	12:55	12:55	1	0.09	
VST21-SRK-LG-BH-05	07-Mar-2022	13.11	15:22	15:23	1	2181	0.09	16:21	16:21	1	0.10	
VST21-SRK-LG-BH-05	08-Mar-2022	19.50	00:17	00:25	8	1143	0.10					
VST21-SRK-LG-BH-05	08-Mar-2022	20.00	00:58	00:58	0	1955	0.11	01:44	01:44	0	0.10	
VST21-SRK-LGS-BH-01	20-Nov-2021	3.62	08:21	08:23	2	336	0.09	09:06	09:09	4	0.10	
VST21-SRK-LGS-BH-01	21-Nov-2021	25.39	08:26	08:28	2	1094	0.09					
VST21-SRK-LGS-BH-08	20-Nov-2021	6.71	12:19	12:20	2	305	0.10	12:43	12:43	1	0.10	
VST21-SRK-LGS-BH-08	20-Nov-2021	18.90	15:49	15:50	1	326	0.08	16:16	16:16	1	0.09	
VST21-SRK-NWR-BH-01	13-Nov-2021	6.25	12:30	12:33	3	2083	0.08					
VST21-SRK-NWR-BH-01	13-Nov-2021	15.85	15:41	15:49	9	902	0.10					
VST21-SRK-NWR-BH-01	13-Nov-2021	16.16	16:18	16:18	1	825	0.09					
VST21-SRK-NWR-BH-01	14-Nov-2021	32.16	12:27	12:33	7	930	0.10					
VST21-SRK-NWR-BH-01	14-Nov-2021	39.93	16:51	16:51	0	475	0.10					
VST21-SRK-NWR-BH-07	09-Nov-2021	6.71	16:09	16:11	3	571	0.09	16:41	16:41	1	0.10	
VST21-SRK-NWR-BH-07	10-Nov-2021	12.80	09:23	09:24	1	832	0.10	09:50	09:50	0	0.11	
VST21-SRK-NWR-BH-07	10-Nov-2021	13.11	10:09	10:10	1	218	0.11	10:25	10:26	1	0.10	
VST21-SRK-NWR-BH-07	10-Nov-2021	19.05	12:03	12:04	2	1687	0.09					
VST21-SRK-NWR-BH-07	10-Nov-2021	19.20	12:41	12:42	1	574	0.08	13:18	13:18	0	0.09	

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST TIMING

Sounding ID	Date	Test Depth[1] (m)	Vane Insertion Time (HH:mm)	Peak Test Start Time (HH:mm)	Insertion to Start Interval (min)	Start to Failure Interval (sec)	Peak Test Avg Rate (deg/sec)	Remolding Completion Time (HH:mm)	Remold Test Start Time (HH:mm)	Remolding to Start Interval (min)	Remold Test Avg Rate (deg/sec)	Refer to Notation Number
VST21-SRK-NWR-BH-11	07-Nov-2021	9.75	13:14	13:15	1	551	0.10	13:41	13:41	1	0.10	
VST21-SRK-NWR-BH-11	08-Nov-2021	15.55	09:03	09:04	1	348	0.07					
VST21-SRK-NWR-BH-11	08-Nov-2021	15.85	09:40	09:41	1	362	0.07	10:07	10:07	0	0.07	
VST21-SRK-NWR-BH-11	08-Nov-2021	21.95	12:14	12:20	7	717	0.09	12:50	12:51	1	0.09	
VST21-SRK-OP-BD-01	17-Oct-2021	10.36	13:46	13:51	6	225	0.11	14:10	14:12	2	0.11	
VST21-SRK-OP-BD-01	18-Oct-2021	17.07	07:04	07:04	1	924	0.10	07:32	07:33	1	0.11	
VST21-SRK-OP-BD-02	02-Nov-2021	9.75	10:32	10:36	4	258	0.09	10:59	11:00	1	0.09	
VST21-SRK-OP-BD-02	02-Nov-2021	15.85	13:08	13:09	1	249	0.09	13:33	13:34	1	0.10	
VST21-SRK-OP-BD-03	01-Oct-2021	11.90	05:32	05:34	2	341	0.08	06:18	06:19	2	0.09	
VST21-SRK-OP-BD-03	01-Oct-2021	19.50	08:39	08:40	1	1008	0.09	09:09	09:10	1	0.10	
VST21-SRK-OP-BD-05	07-Oct-2021	10.88	07:21	07:21	1	377	0.09	07:48	07:48	1	0.09	
VST21-SRK-OP-BD-05	07-Oct-2021	16.06	09:50	09:56	6	1122	0.07					
VST21-SRK-OP-BD-07	10-Jan-2022	8.13	13:54	13:55	1	1133	0.08					
VST21-SRK-OP-BD-11	09-Oct-2021	9.75	08:04	08:05	1	363	0.07	08:35	08:36	1	0.07	
VST21-SRK-OP-BD-11	09-Oct-2021	18.90	10:35	10:38	4	212	0.08	11:04	11:05	1	0.08	
VST21-SRK-OP-BD-12	04-Oct-2021	8.99	12:58	12:59	1	49	0.08	13:20	13:20	1	0.08	
VST21-SRK-OP-BD-12	05-Oct-2021	15.85	09:00	09:01	1	288	0.09	09:25	09:30	5	0.08	
VST21-SRK-OP-BH-01	22-Feb-2022	3.81	10:36	10:39	3	394	0.08	11:12	11:14	2	0.09	
VST21-SRK-OP-BH-01	22-Feb-2022	9.75	13:30	13:31	1	284	0.08	13:54	13:56	3	0.09	
VST21-SRK-OP-BH-02	03-Dec-2021	8.72	16:00	16:06	6	317	0.09	16:27	16:28	2	0.09	
VST21-SRK-OP-BH-02	04-Dec-2021	13.18	11:14	11:15	1	299	0.09	11:40	11:42	3	0.11	
VST21-SRK-OP-BH-03	04-Jan-2022	6.71	16:52	16:54	2	880	0.10	17:22	17:26	4	0.11	
VST21-SRK-OP-BH-03	05-Jan-2022	12.80	10:57	10:58	1	308	0.10	11:16	11:18	3	0.10	
VST21-SRK-OP-BH-04	18-Nov-2021	3.66	13:18	13:19	2	941	0.06	13:43	13:43	0	0.08	
VST21-SRK-OP-BH-04	18-Nov-2021	9.75	15:24	15:24	1	288	0.08	15:49	15:50	1	0.10	
VST21-SRK-OP-BH-07	11-Oct-2021	28.35	15:35	15:43	9	890	0.08	16:08	16:08	1	0.09	
VST21-SRK-OP-BH-08	13-Feb-2022	3.35	12:28	12:31	3	858	0.08	13:25	13:25	1	0.08	
VST21-SRK-OP-BH-08	13-Feb-2022	6.40	15:27	15:29	3	612	0.09	15:58	15:59	1	0.10	
VST21-SRK-OP-BH-09	04-Nov-2021	6.71	09:30	09:32	2	341	0.08	10:00	10:00	0	0.09	
VST21-SRK-OP-BH-09	04-Nov-2021	12.80	11:48	11:48	1	233	0.09	12:16	12:17	1	0.10	

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST TIMING

Sounding ID	Date	Test Depth[1] (m)	Vane Insertion Time (HH:mm)	Peak Test Start Time (HH:mm)	Insertion to Start Interval (min)	Start to Failure Interval (sec)	Peak Test Avg Rate (deg/sec)	Remolding Completion Time (HH:mm)	Remold Test Start Time (HH:mm)	Remolding to Start Interval (min)	Remold Test Avg Rate (deg/sec)	Refer to Notation Number
VST21-SRK-OP-BH-10	24-Feb-2022	12.50	03:10	03:15	5	2217	0.09	04:28	04:28	0	0.09	
VST21-SRK-OP-BH-10	24-Feb-2022	16.61	10:36	10:39	4	303	0.08	11:00	11:04	4	0.08	
VST21-SRK-OP-BH-10	24-Feb-2022	21.64	13:38	13:42	4	749	0.07	14:33	14:34	2	0.09	
VST21-SRK-PF-BH-02	13-Nov-2021	2.94	10:07	10:09	3	449	0.10	10:50	10:52	3	0.10	
VST21-SRK-PF-BH-02	13-Nov-2021	6.58	13:23	13:25	2	1037	0.09	14:16	14:17	2	0.10	
VST21-SRK-PF-BH-03	08-Mar-2022	6.71	15:08	15:09	1	103	0.10	15:33	15:34	1	0.09	
VST21-SRK-PF-BH-03	08-Mar-2022	12.95	20:34	20:35	1	326	0.09	21:30	21:30	0	0.11	
VST21-SRK-PF-BH-03	09-Mar-2022	18.90	02:15	02:17	2	201	0.11	03:14	03:14	1	0.10	
VST21-SRK-PF-BH-04	12-Dec-2021	8.23	13:43	13:44	2	354	0.09	14:07	14:09	2	0.09	
VST21-SRK-SOS-BH-01	16-Oct-2021	6.71	08:29	08:31	3	635	0.10	09:04	09:04	1	0.10	
VST21-SRK-SOS-BH-01	16-Oct-2021	12.80	10:37	10:38	1	806	0.10	11:06	11:06	0	0.10	
VST21-SRK-SOS-BH-02	15-Mar-2022	6.71	15:45	15:47	2	269	0.09	16:07	16:07	1	0.10	
VST21-SRK-SOS-BH-02	15-Mar-2022	14.30	21:34	21:35	2	1476	0.11	22:26	22:26	1	0.11	
VST21-SRK-SOS-BH-02	16-Mar-2022	19.50	00:52	00:54	2	2079	0.11	01:46	01:46	1	0.12	
VST21-SRK-SOS-BH-05	14-Oct-2021	6.71	09:22	09:26	5	276	0.10	10:04	10:04	0	0.10	
VST21-SRK-SOS-BH-05	14-Oct-2021	14.32	11:48	11:50	3	1266	0.11	12:18	12:18	0	0.10	
VST21-SRK-SOS-BH-05	14-Oct-2021	19.51	14:31	14:35	5	1080	0.08	15:18	15:18	1	0.11	
VST21-SRK-TSF-BH-01A	20-Jan-2022	6.30	15:21	15:23	2	574	0.09	16:16	16:16	1	0.10	
VST21-SRK-TSF-BH-04	25-Jan-2022	4.12	20:28	20:34	7	912	0.08					
VST21-SRK-TSF-BH-04	25-Jan-2022	4.27	21:40	21:43	3	248	0.09	22:11	22:13	3	0.09	
VST21-SRK-TSF-BH-06	16-Feb-2022	5.43	10:51	10:54	3	308	0.08					
VST21-SRK-TSF-BH-07	31-Oct-2021	7.32	06:59	07:01	2	307	0.08	07:39	07:40	1	0.10	
VST21-SRK-TSF-BH-07	31-Oct-2021	11.28	11:00	11:05	5	247	0.10	11:29	11:29	1	0.10	
VST21-SRK-TSF-BH-07	31-Oct-2021	15.85	13:47	13:47	1	314	0.10	14:10	14:11	1	0.10	
VST21-SRK-TSF-BH-09	27-Oct-2021	2.74	06:35	06:43	8	423	0.08	07:16	07:17	1	0.09	
VST21-SRK-TSF-BH-09	27-Oct-2021	8.84	09:00	09:01	1	299	0.08	09:24	09:24	1	0.09	
VST21-SRK-TSF-BH-09	27-Oct-2021	15.24	12:08	12:13	6	140	0.08	12:35	12:35	1	0.08	
VST21-SRK-TSF-BH-10	22-Oct-2021	6.71	10:30	10:32	2	998	0.11	11:07	11:09	2	0.11	
VST21-SRK-TSF-BH-10	22-Oct-2021	12.80	13:10	13:13	3	606	0.11	14:19	14:22	4	0.11	
VST21-SRK-TSF-BH-10	23-Oct-2021	15.55	06:51	06:56	6	1537	0.10	07:50	07:52	2	0.10	

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST TIMING

Sounding ID	Date	Test Depth[1] (m)	Vane Insertion Time (HH:mm)	Peak Test Start Time (HH:mm)	Insertion to Start Interval (min)	Start to Failure Interval (sec)	Peak Test Avg Rate (deg/sec)	Remolding Completion Time (HH:mm)	Remold Test Start Time (HH:mm)	Remolding to Start Interval (min)	Remold Test Avg Rate (deg/sec)	Refer to Notation Number
VST21-SRK-TSF-BH-11	12-Feb-2022	4.00	10:30	10:32	2	663	0.08	11:06	11:06	0	0.09	
VST21-SRK-TSF-BH-11	12-Feb-2022	5.50	11:40	11:42	2	1217	0.09	12:24	12:24	1	0.09	
VST21-SRK-TSF-BH-13	23-Jan-2022	6.50	09:42	09:44	2	521	0.09	10:18	10:18	0	0.09	
VST21-SRK-TSF-BH-13	23-Jan-2022	9.50	12:40	12:42	2	2647	0.08	13:46	13:46	1	0.10	
VST21-SRK-TSF-BH-13	23-Jan-2022	13.00	16:24	16:26	3	2111	0.09	17:25	17:25	0	0.11	
VST21-SRK-TSF-BH-15	27-Jan-2022	2.74	09:05	09:06	2	2282	0.10	09:57	09:58	1	0.08	
VST21-SRK-TSF-BH-15	27-Jan-2022	8.22	13:02	13:04	3	1520	0.08	13:50	13:50	0	0.08	
VST21-SRK-TSF-BH-16	22-Mar-2022	7.77	21:17	21:17	1	2489	0.09	22:29	22:31	3	0.09	
VST21-SRK-TSF-BH-16	23-Mar-2022	13.87	01:48	01:50	2	236	0.09	02:08	02:09	2	0.09	
VST21-SRK-TSF-BH-16	23-Mar-2022	19.81	08:33	08:36	3	292	0.09	08:58	09:00	2	0.08	
VST21-SRK-TSF-BH-18	16-Nov-2021	5.57	11:52	11:52	1	631	0.10	12:41	12:42	2	0.10	
VST21-SRK-TSF-BH-18	17-Nov-2021	14.22	06:36	06:38	3	2397	0.10	08:10	08:11	1	0.10	
VST21-SRK-TSF-BH-19	25-Oct-2021	3.05	06:29	06:36	8	1429	0.05					
VST21-SRK-TSF-BH-19	25-Oct-2021	6.10	08:13	08:14	1	535	0.07	08:45	08:46	1	0.09	
VST21-SRK-TSF-BH-19	25-Oct-2021	9.14	10:27	10:27	1	350	0.09	10:49	10:49	1	0.09	
VST21-SRK-TSF-BH-22	17-Mar-2022	4.00	10:34	10:36	2	330	0.09	11:00	11:02	2	0.11	
VST21-SRK-TSF-BH-22	17-Mar-2022	13.00	13:21	13:24	4	237	0.10	14:09	14:10	1	0.10	
VST21-SRK-TSF-BH-22	17-Mar-2022	17.98	21:18	21:21	4	333	0.06	22:04	22:05	1	0.09	
VST21-SRK-TSF-BH-22	17-Mar-2022	22.86	23:35	23:37	3	470	0.08	00:09	00:10	1	0.09	
VST21-SRK-TSF-BH-23	15-Feb-2022	5.94	01:11	01:13	2	433	0.08	02:42	02:44	3	0.07	
VST21-SRK-TSF-BH-23	15-Feb-2022	9.75	09:42	09:43	2	528	0.08	10:30	10:30	0	0.10	
VST21-SRK-TSF-BH-26	13-Mar-2022	6.70	04:05	04:05	1	1329	0.10	04:32	04:32	1	0.11	
VST21-SRK-TSF-BH-26	13-Mar-2022	11.00	09:50	09:52	3	460	0.08	10:16	10:16	1	0.09	
VST21-SRK-TSF-BH-26	13-Mar-2022	12.00	11:11	11:13	3	312	0.09	11:40	11:40	1	0.09	
VST21-SRK-TSF-BH-26	13-Mar-2022	13.00	13:04	13:07	3	708	0.09	13:34	13:34	1	0.10	
VST21-SRK-TSF-BH-27	05-Feb-2022	15.55	00:23	00:26	4	353	0.09	00:46	00:50	4	0.10	
VST21-SRK-TSF-BH-27	05-Feb-2022	15.85	01:06	01:08	3	216	0.10	01:27	01:28	1	0.09	
VST21-SRK-TSF-BH-27B	10-Feb-2022	19.78	10:17	10:18	2	2504	0.10	11:16	11:16	1	0.10	
VST21-SRK-TSF-BH-28	11-Mar-2022	6.71	14:35	14:37	2	201	0.10	14:53	14:53	0	0.09	
VST21-SRK-TSF-BH-28	11-Mar-2022	11.00	20:56	20:57	1	450	0.11	21:28	21:28	0	0.12	

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Start Date: 01-Oct-2021
End Date: 27-Mar-2022

ELECTRIC FIELD VANE SHEAR TEST TIMING

Sounding ID	Date	Test Depth[1] (m)	Vane Insertion Time (HH:mm)	Peak Test Start Time (HH:mm)	Insertion to Start Interval (min)	Start to Failure Interval (sec)	Peak Test Avg Rate (deg/sec)	Remolding Completion Time (HH:mm)	Remold Test Start Time (HH:mm)	Remolding to Start Interval (min)	Remold Test Avg Rate (deg/sec)	Refer to Notation Number
VST21-SRK-TSF-BH-28	12-Mar-2022	17.00	00:41	00:41	1	234	0.12	01:05	01:05	1	0.11	
VST21-SRK-TSF-BH-30	26-Mar-2022	3.96	22:14	22:17	3	293	0.05	23:11	23:12	1	0.06	
VST21-SRK-TSF-BH-30	27-Mar-2022	8.23	01:17	01:18	1	593	0.06	02:05	02:06	1	0.06	
VST21-SRK-TSF-BH-30	27-Mar-2022	13.11	08:37	08:37	1	407	0.09	09:07	09:08	2	0.09	
VST21-SRK-TSF-BH-31	19-Mar-2022	6.10	12:33	12:35	3	610	0.08	13:01	13:02	2	0.09	
VST21-SRK-TSF-BH-31	19-Mar-2022	14.02	21:07	21:10	3	320	0.09	21:45	21:47	2	0.09	
VST21-SRK-TSF-BH-31	20-Mar-2022	18.29	00:02	00:04	3	236	0.10	00:35	00:38	4	0.09	
VST21-SRK-TSF-BH-32	24-Mar-2022	6.86	20:26	20:29	3	272	0.07	20:58	20:59	1	0.07	
VST21-SRK-TSF-BH-32	24-Mar-2022	7.93	21:35	21:37	3	595	0.08	22:20	22:23	4	0.09	
VST21-SRK-TSF-BH-32	24-Mar-2022	9.75	23:13	23:15	3	217	0.09	23:47	23:50	4	0.09	
VST21-SRK-TSF-BH-34	25-Mar-2022	6.55	22:09	22:11	2	336	0.09	22:57	22:58	1	0.09	
VST21-SRK-TSF-BH-34	26-Mar-2022	9.91	01:40	01:41	2	337	0.08	02:12	02:13	2	0.09	
VST21-SRK-TSF-BH-102	01-Dec-2021	6.40	10:39	10:40	2	234	0.07	11:11	11:12	1	0.08	
VST21-SRK-TSF-BH-102	01-Dec-2021	13.41	14:00	14:03	4	351	0.10	14:24	14:25	1	0.11	
VST21-SRK-TSF-BH-102	01-Dec-2021	18.59	16:13	16:13	0	1027	0.10	16:41	16:41	1	0.10	
VST21-SRK-TSF-BH-103	28-Nov-2021	4.88	15:14	15:22	9	1481	0.09	15:51	15:52	1	0.09	
VST21-SRK-TSF-BH-103	29-Nov-2021	7.01	09:17	09:17	0	1043	0.09	09:42	09:42	1	0.08	
VST21-SRK-TSF-BH-103	29-Nov-2021	10.97	11:23	11:24	1	444	0.07	11:56	11:56	0	0.08	
VST21-SRK-TSF-BH-103	29-Nov-2021	14.02	13:01	13:01	1	414	0.09	13:25	13:25	1	0.09	
VST21-SRK-WOS-BH-01	01-Mar-2022	6.10	11:29	11:29	0	1111	0.07	12:15	12:16	2	0.06	
VST21-SRK-WOS-BH-01	01-Mar-2022	12.19	14:02	14:05	3	248	0.07	14:46	14:46	0	0.08	
VST21-SRK-WOS-BH-01	01-Mar-2022	18.90	20:38	20:39	1	236	0.10	21:08	21:11	3	0.11	
VST21-SRK-WRD-BH-07	17-Feb-2022	4.88	23:40	23:41	2	1154	0.07					
VST21-SRK-WRD-BH-07	18-Feb-2022	12.19	03:10	03:15	5	2631	0.08					
VST21-SRK-WRD-BH-16	07-Jan-2022	6.40	12:08	12:10	2	891	0.10	12:43	12:46	3	0.09	
VST21-SRK-WRD-BH-16	07-Jan-2022	12.50	14:49	14:51	3	294	0.10	15:14	15:15	2	0.10	
VST21-SRK-WRD-BH-16	08-Jan-2022	18.93	09:22	09:23	2	3871	0.09					

1. Test depths are referenced to the middle of the vane.

Electric Field Vane Shear Test Plots

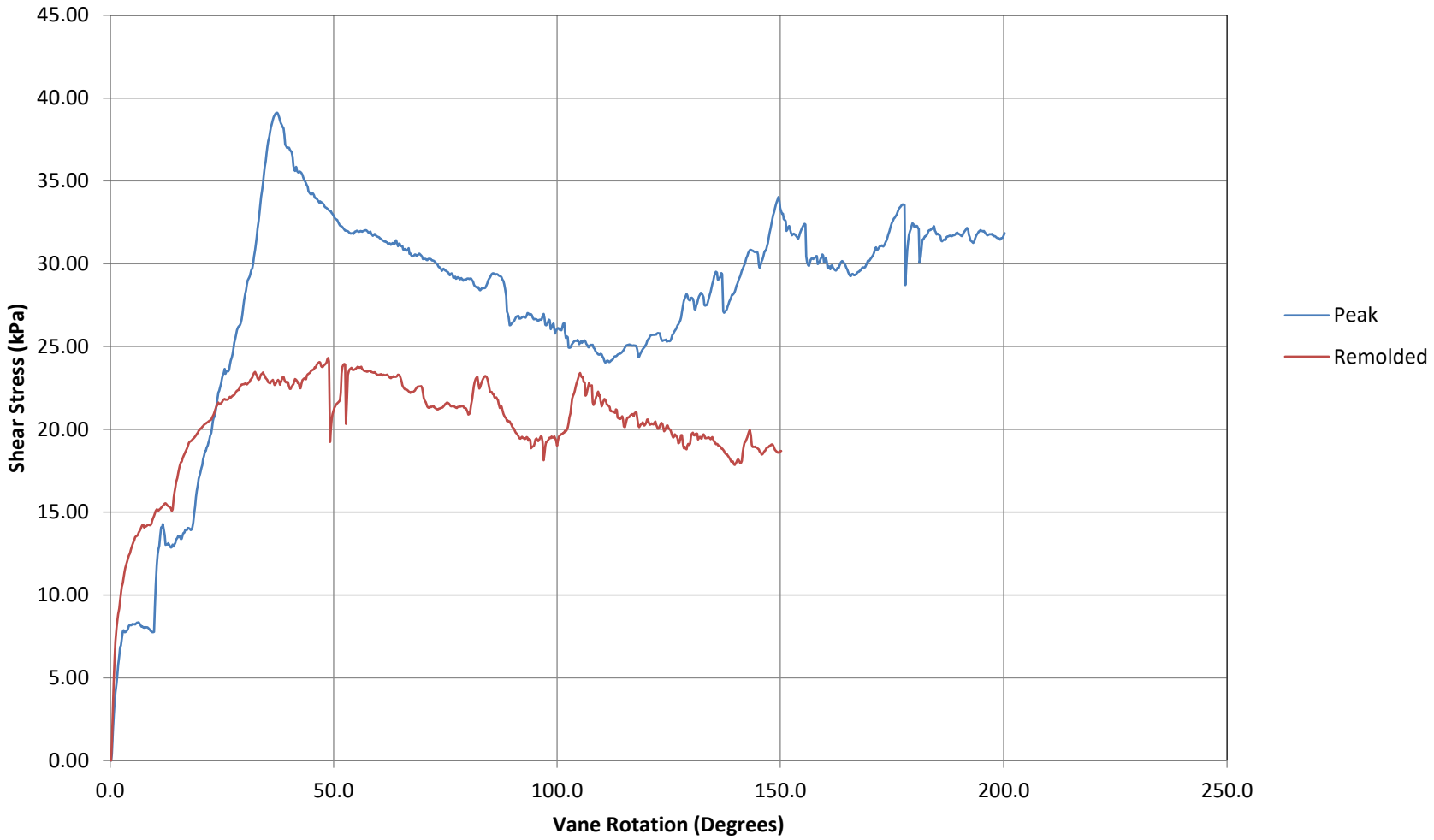
CONETEC

Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-HG-BH-01

Test Date: 10-Mar-2022 09:34
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408070
Easting (m): 471296

Vane Shear Test

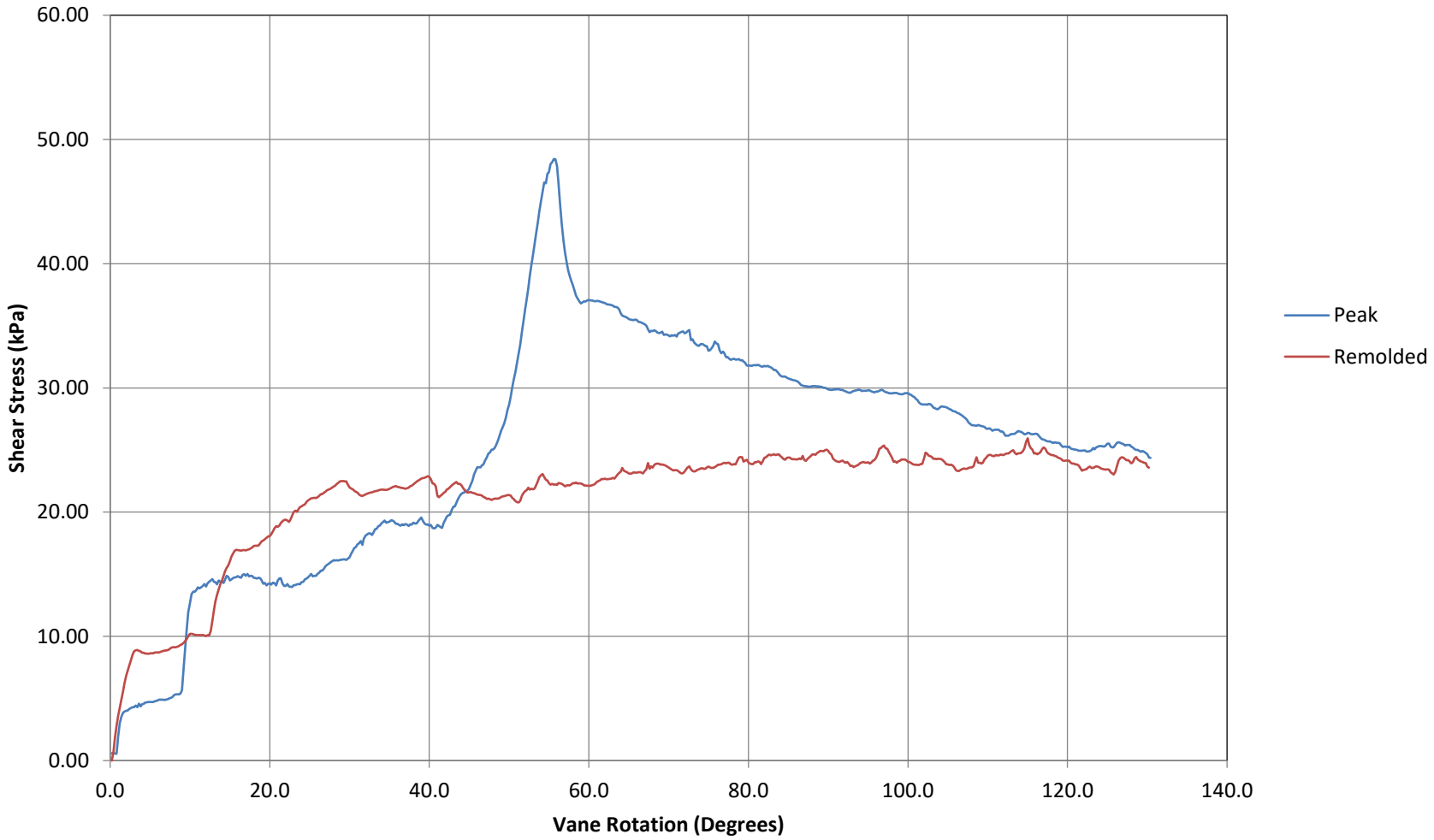


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-HG-BH-01

Test Date: 10-Mar-2022 12:19
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408070
Easting (m): 471296

Vane Shear Test

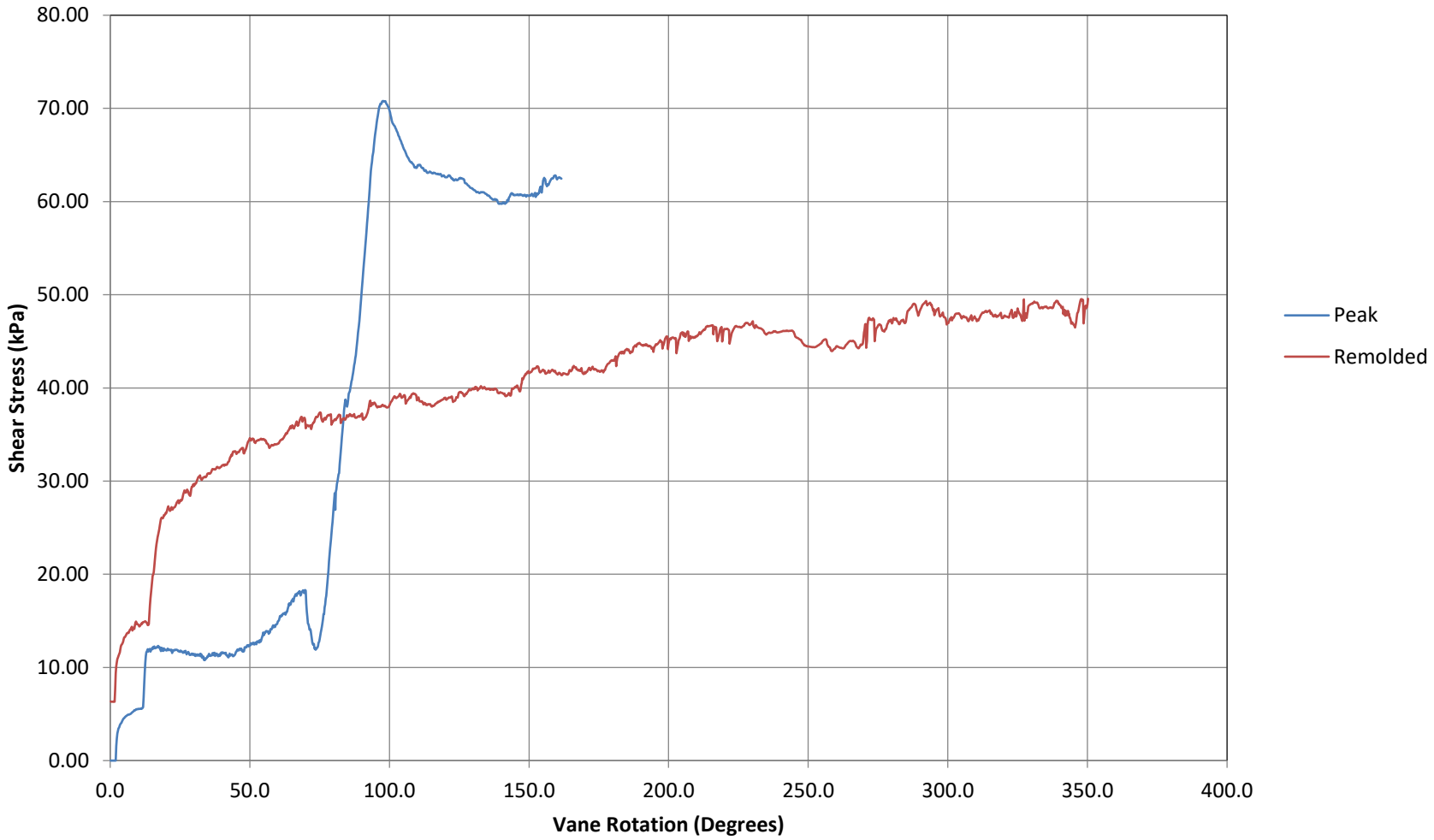


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-HG-BH-01

Test Date: 10-Mar-2022 14:37
Test Depth (m): 18.90
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408070
Easting (m): 471296

Vane Shear Test

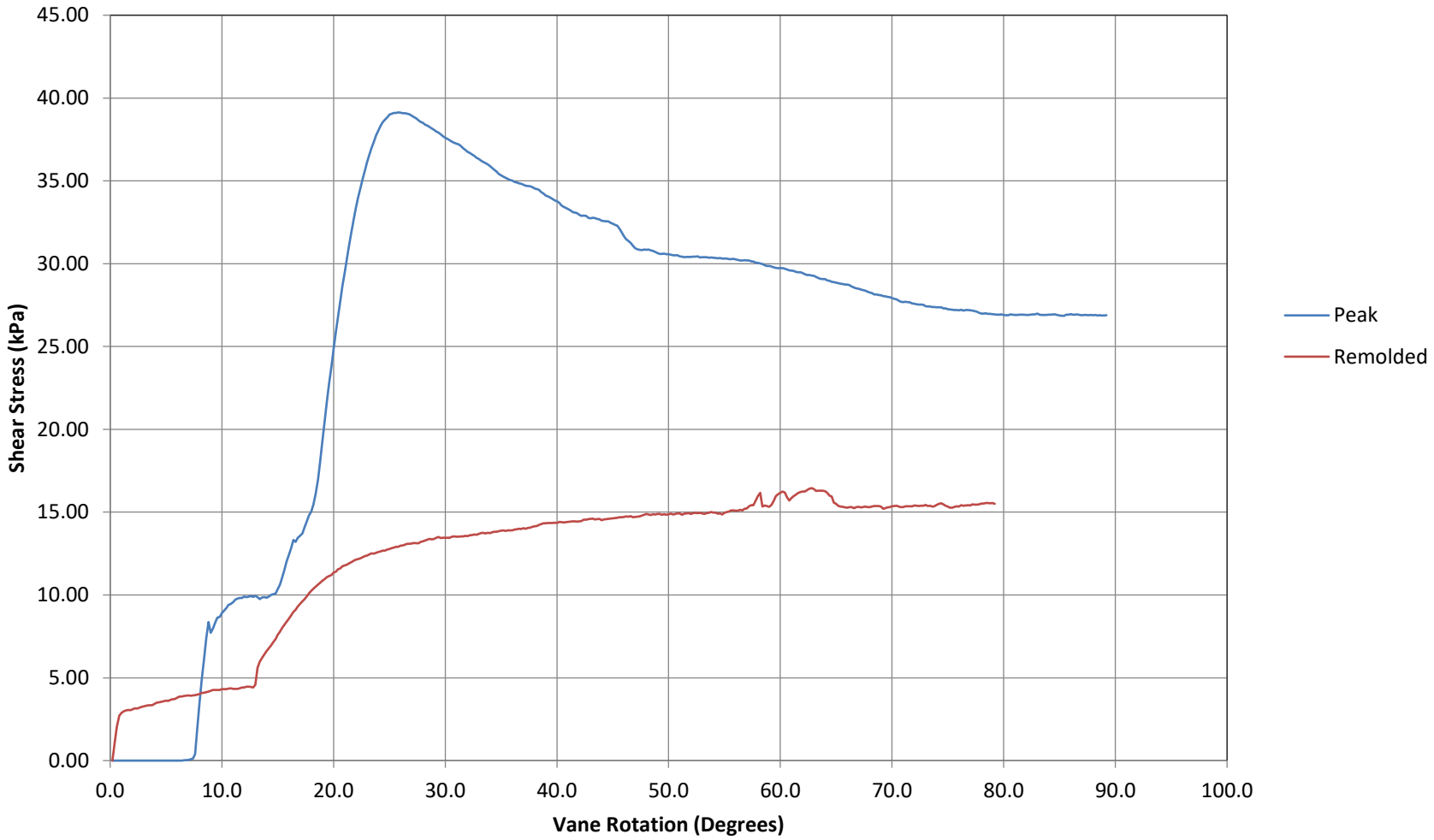


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-HG-BH-03

Test Date: 03-Mar-2022 10:41
Test Depth (m): 2.90
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408647
Easting (m): 471290

Vane Shear Test

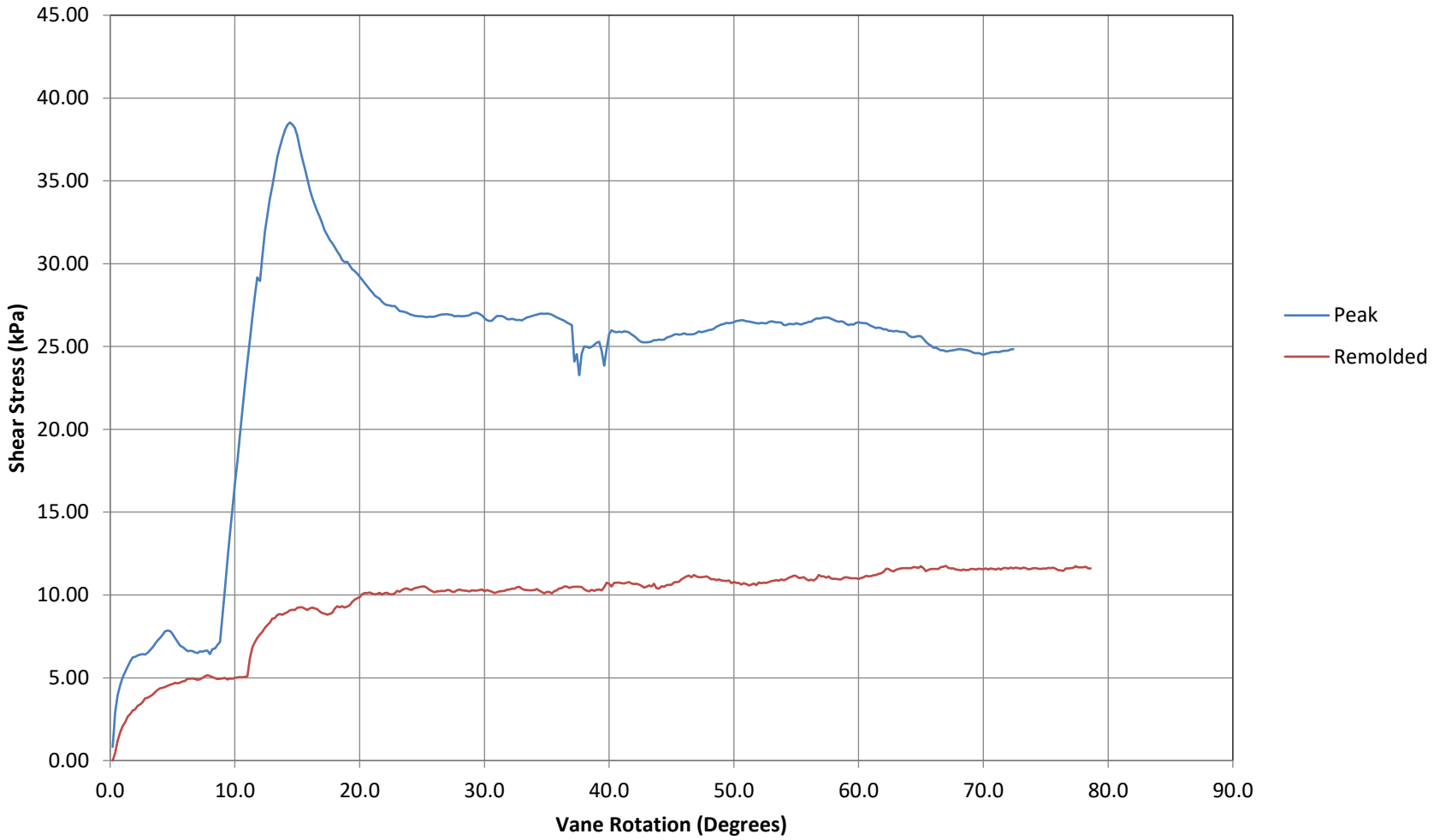


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-HG-BH-03

Test Date: 03-Mar-2022 13:40
Test Depth (m): 12.04
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408647
Easting (m): 471290

Vane Shear Test

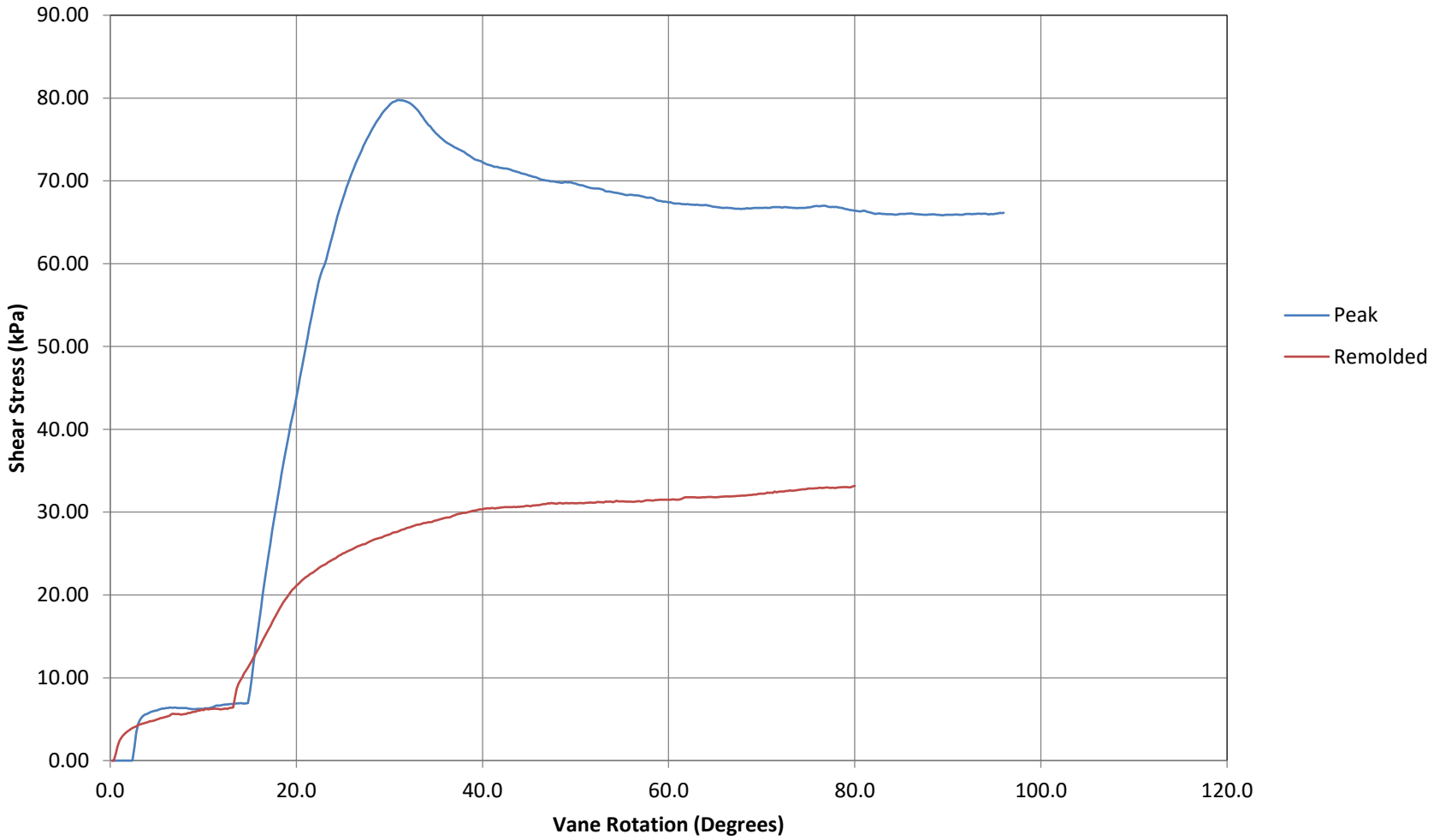


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-HG-BH-03

Test Date: 03-Mar-2022 16:43
Test Depth (m): 21.64
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408647
Easting (m): 471290

Vane Shear Test

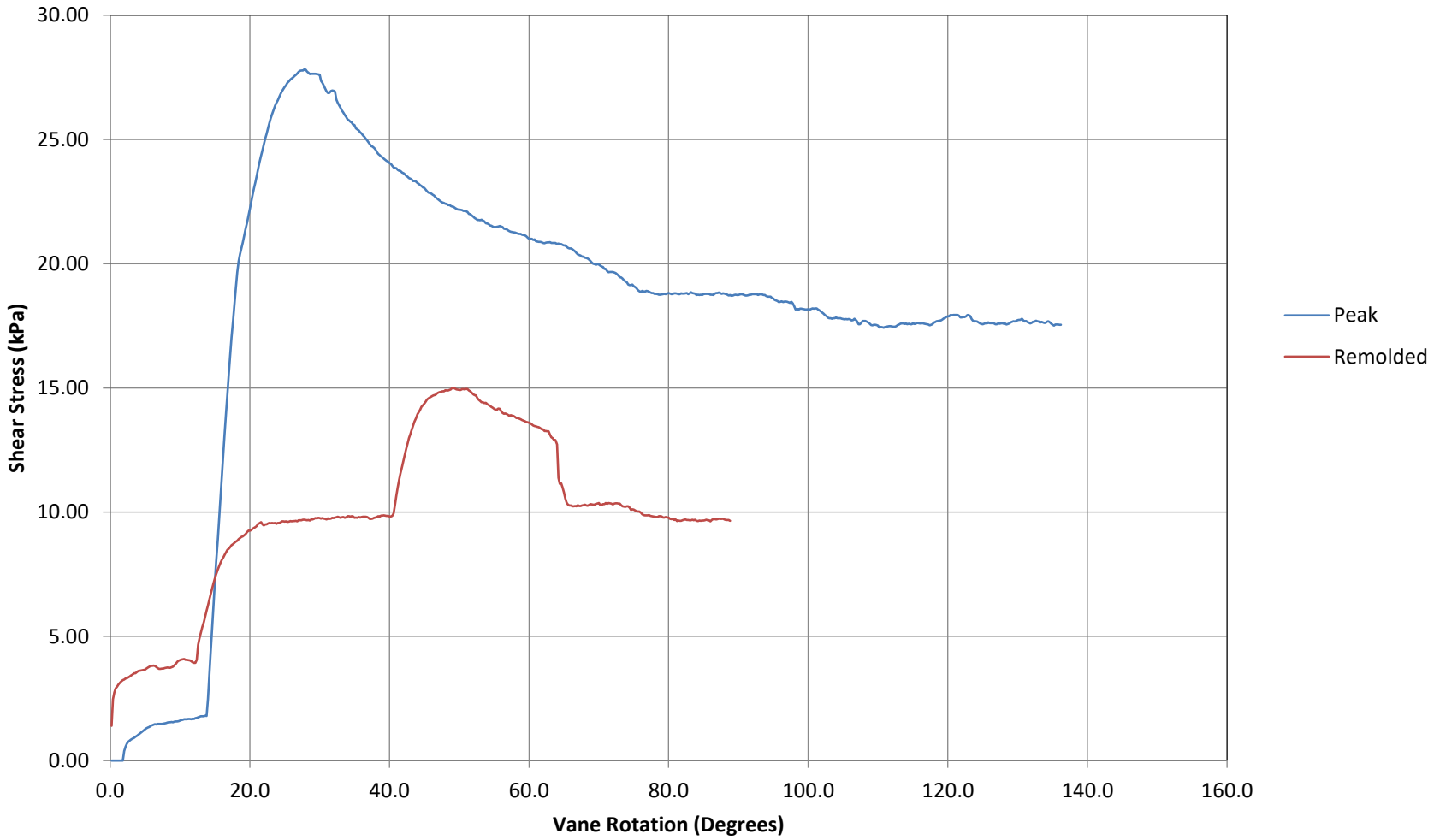


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-01

Test Date: 27-Feb-2022 10:21
Test Depth (m): 6.10
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409962
Easting (m): 471543

Vane Shear Test

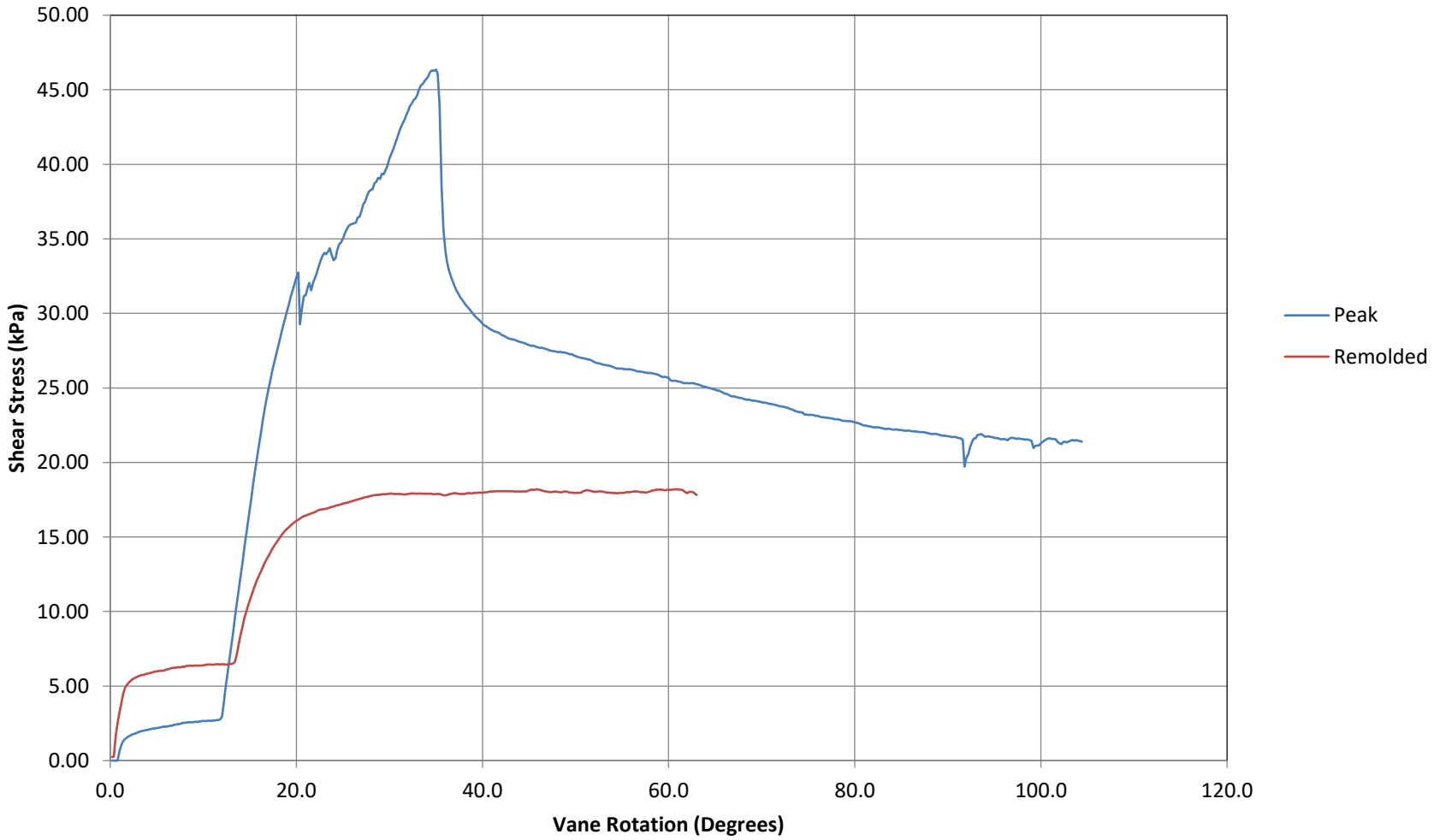


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-01

Test Date: 27-Feb-2022 13:12
Test Depth (m): 12.28
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409962
Easting (m): 471543

Vane Shear Test

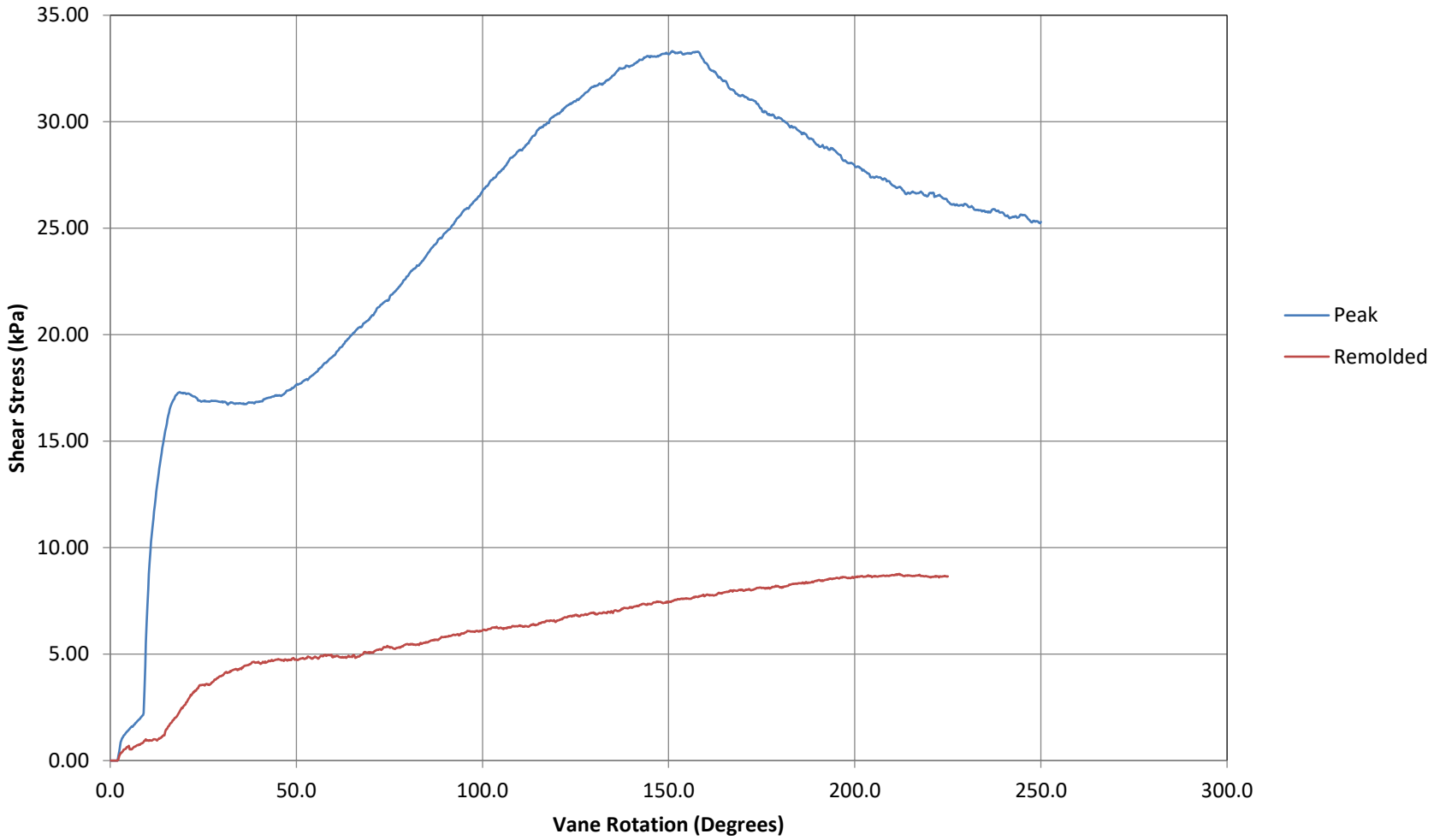


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-01

Test Date: 27-Feb-2022 23:28
Test Depth (m): 25.91
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409962
Easting (m): 471543

Vane Shear Test

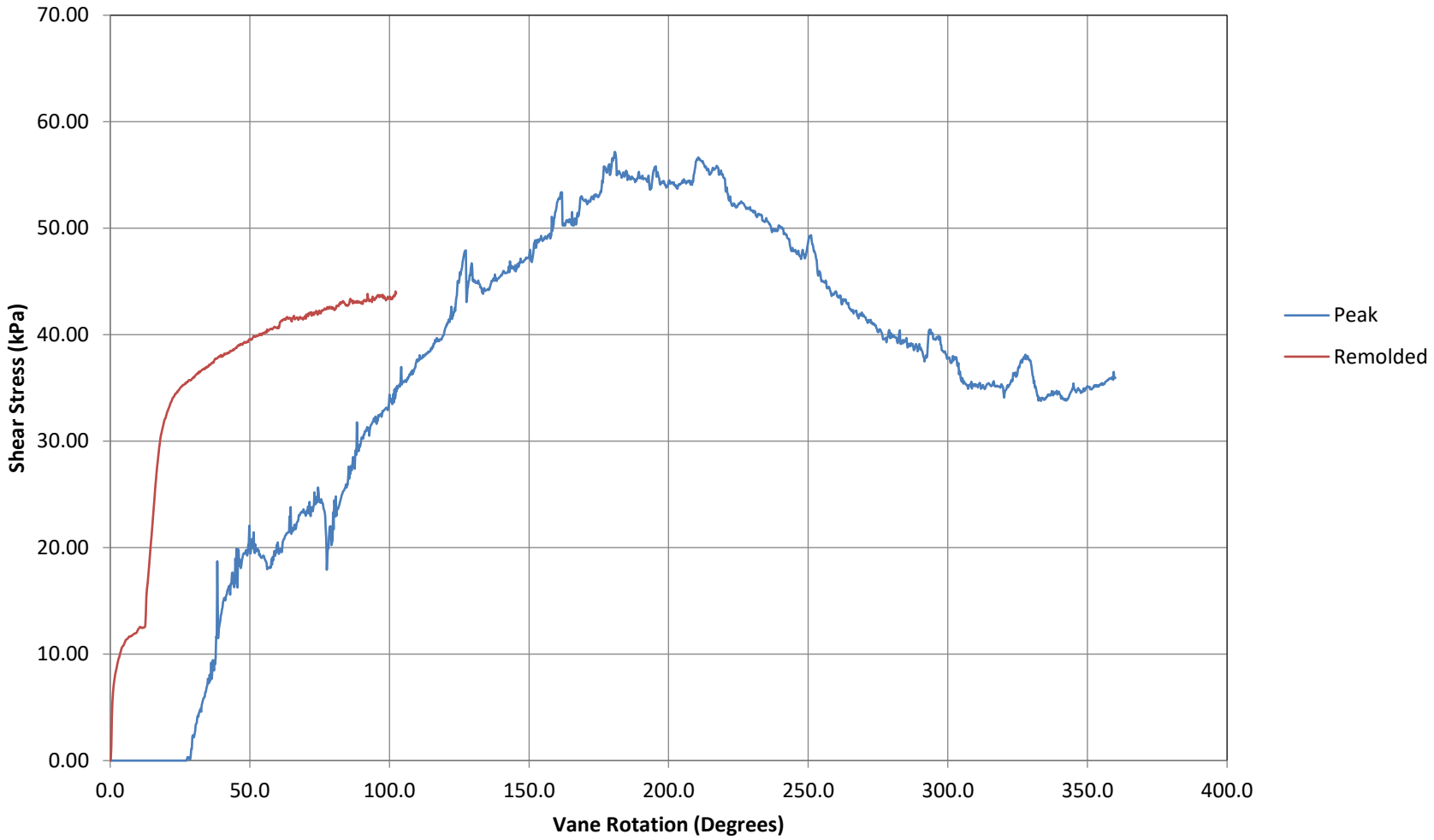


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-03

Test Date: 20-Feb-2022 21:31
Test Depth (m): 3.66
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412015
Easting (m): 471354

Vane Shear Test

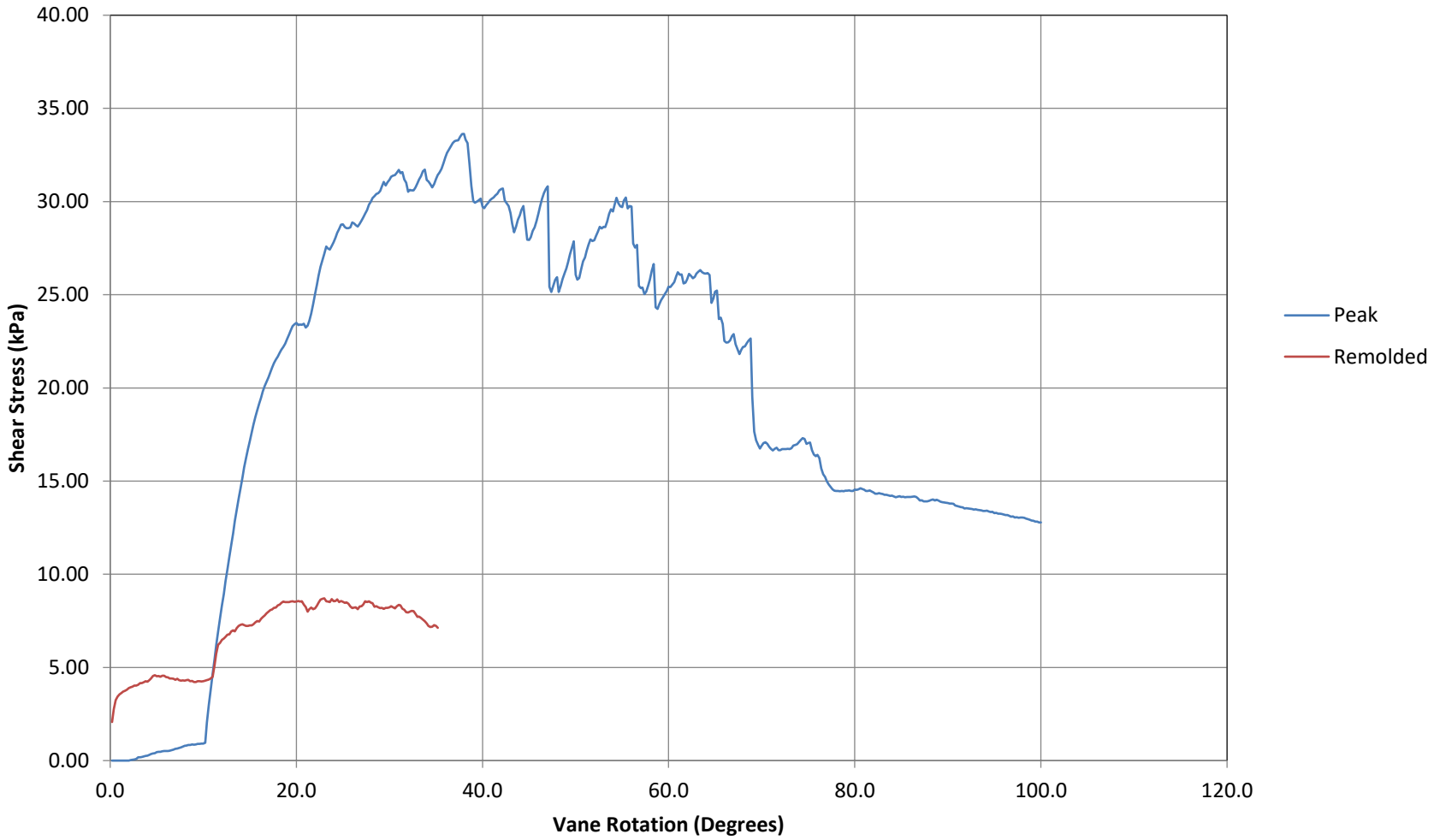


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-04

Test Date: 24-Nov-2021 09:25
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411982
Easting (m): 470413

Vane Shear Test

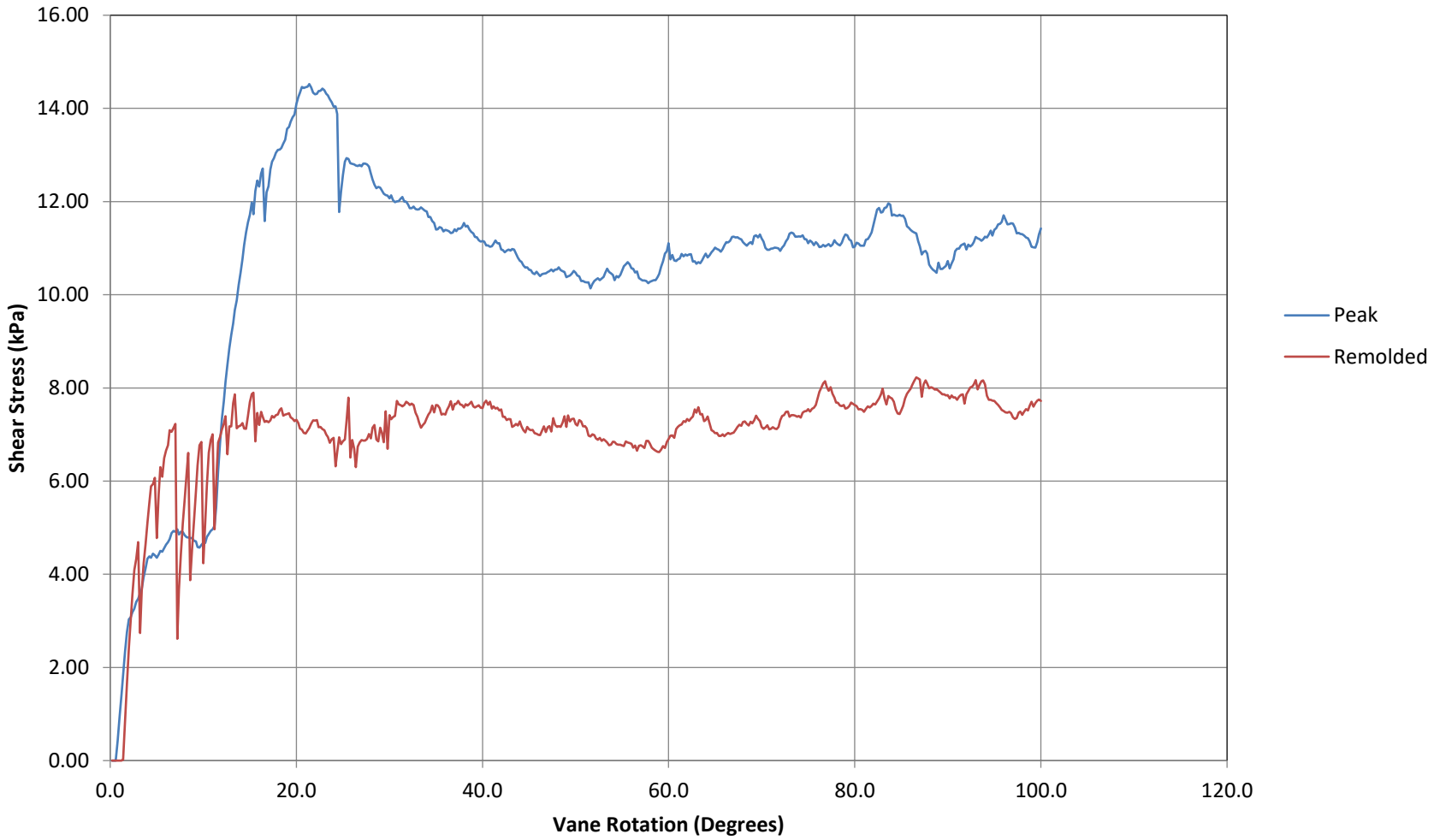


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-04

Test Date: 24-Nov-2021 11:38
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411982
Easting (m): 470413

Vane Shear Test

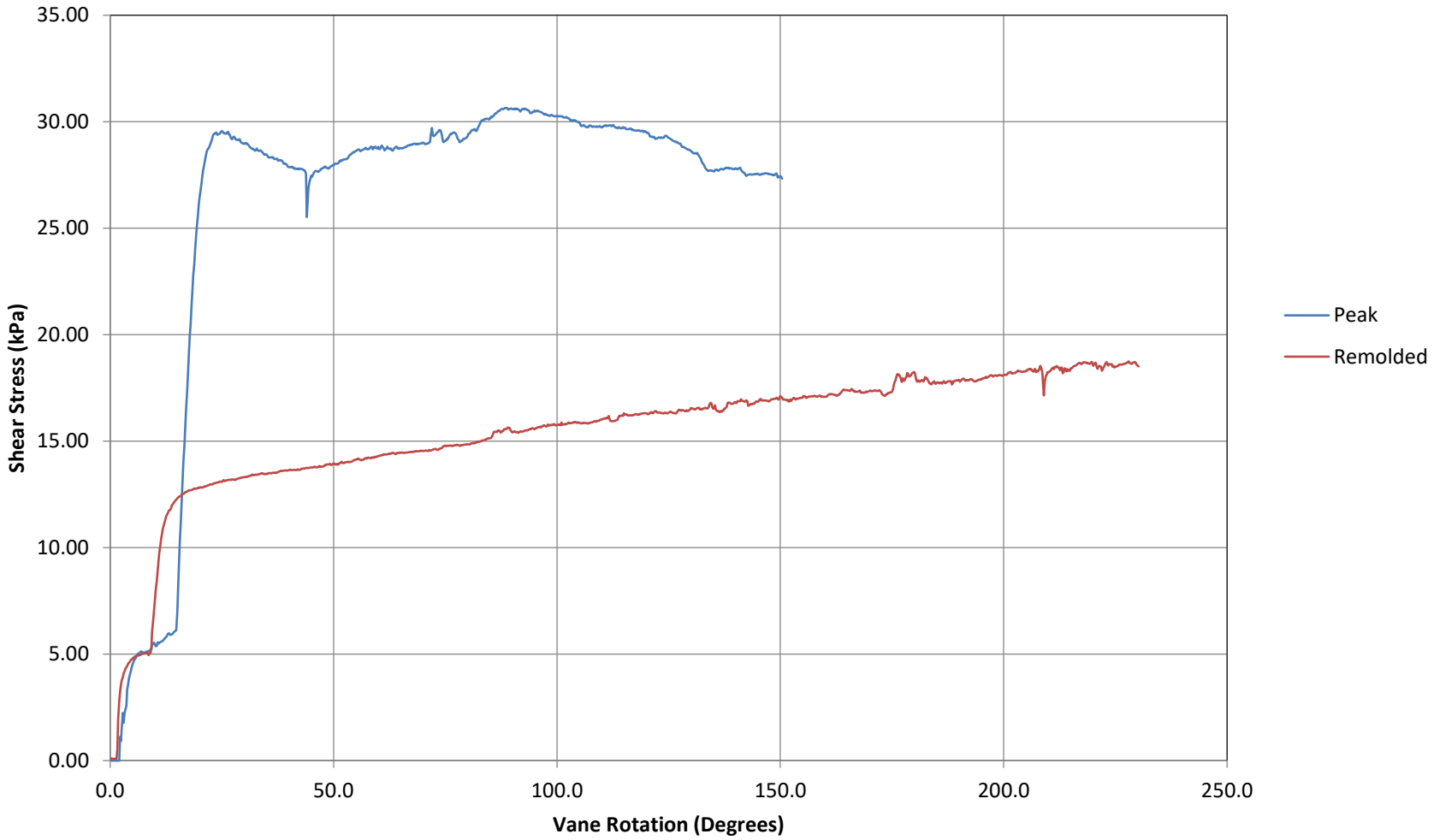


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-05

Test Date: 07-Mar-2022 12:23
Test Depth (m): 6.40
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409699
Easting (m): 470921

Vane Shear Test

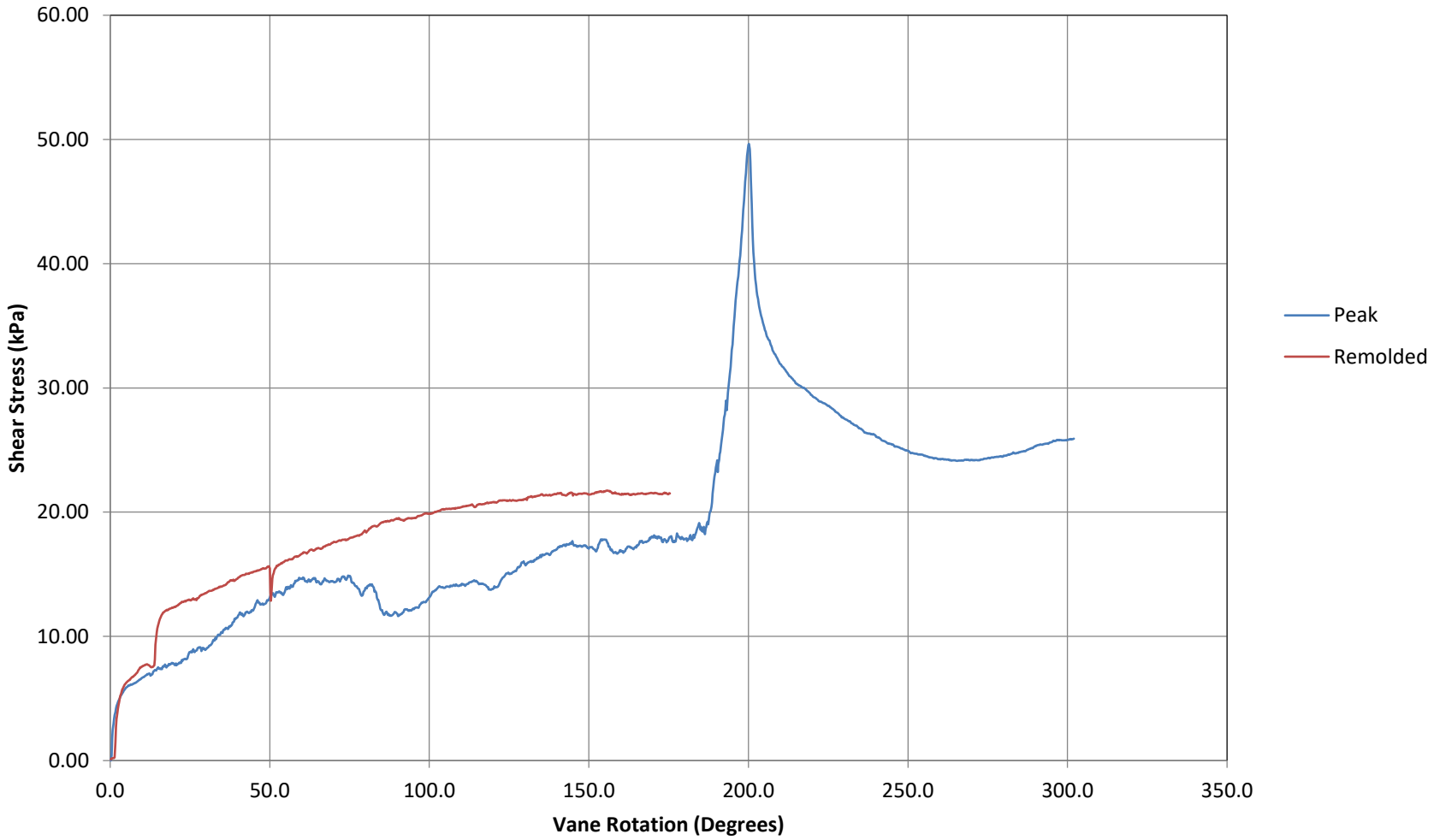


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-05

Test Date: 07-Mar-2022 15:23
Test Depth (m): 13.11
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409699
Easting (m): 470921

Vane Shear Test

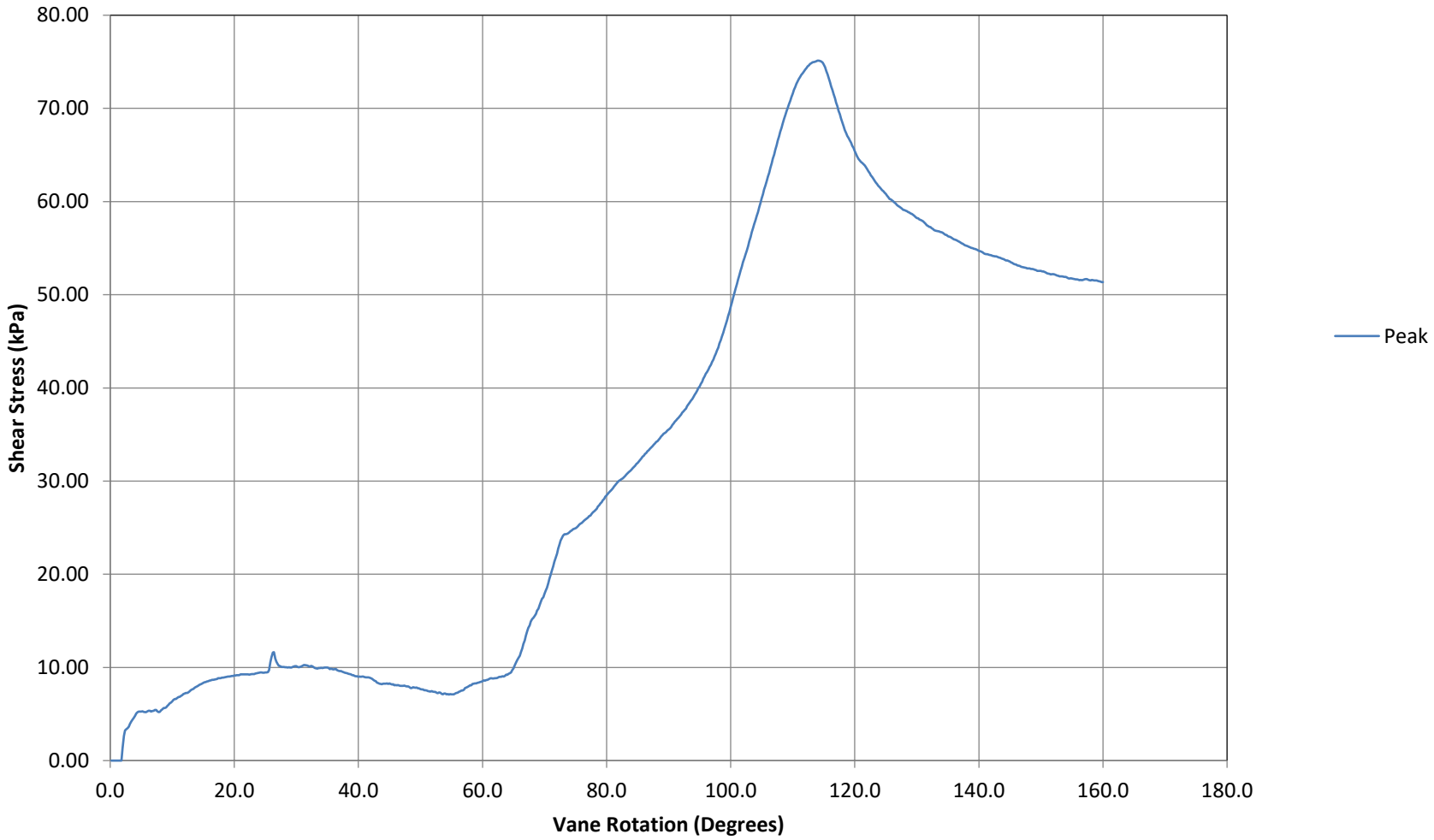


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-05

Test Date: 08-Mar-2022 00:25
Test Depth (m): 19.50
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409699
Easting (m): 470921

Vane Shear Test

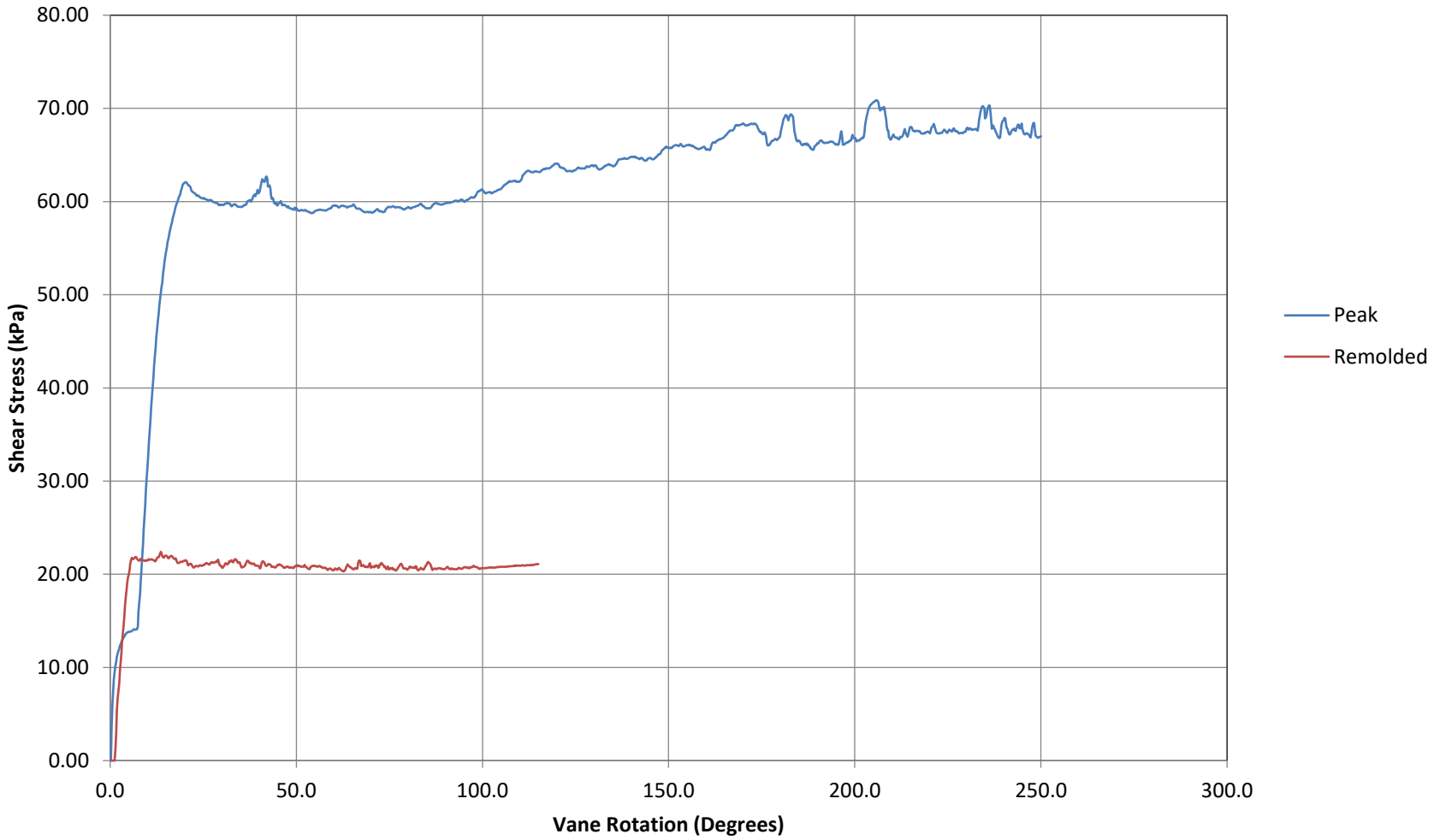


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LG-BH-05

Test Date: 08-Mar-2022 00:58
Test Depth (m): 20.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409699
Easting (m): 470921

Vane Shear Test

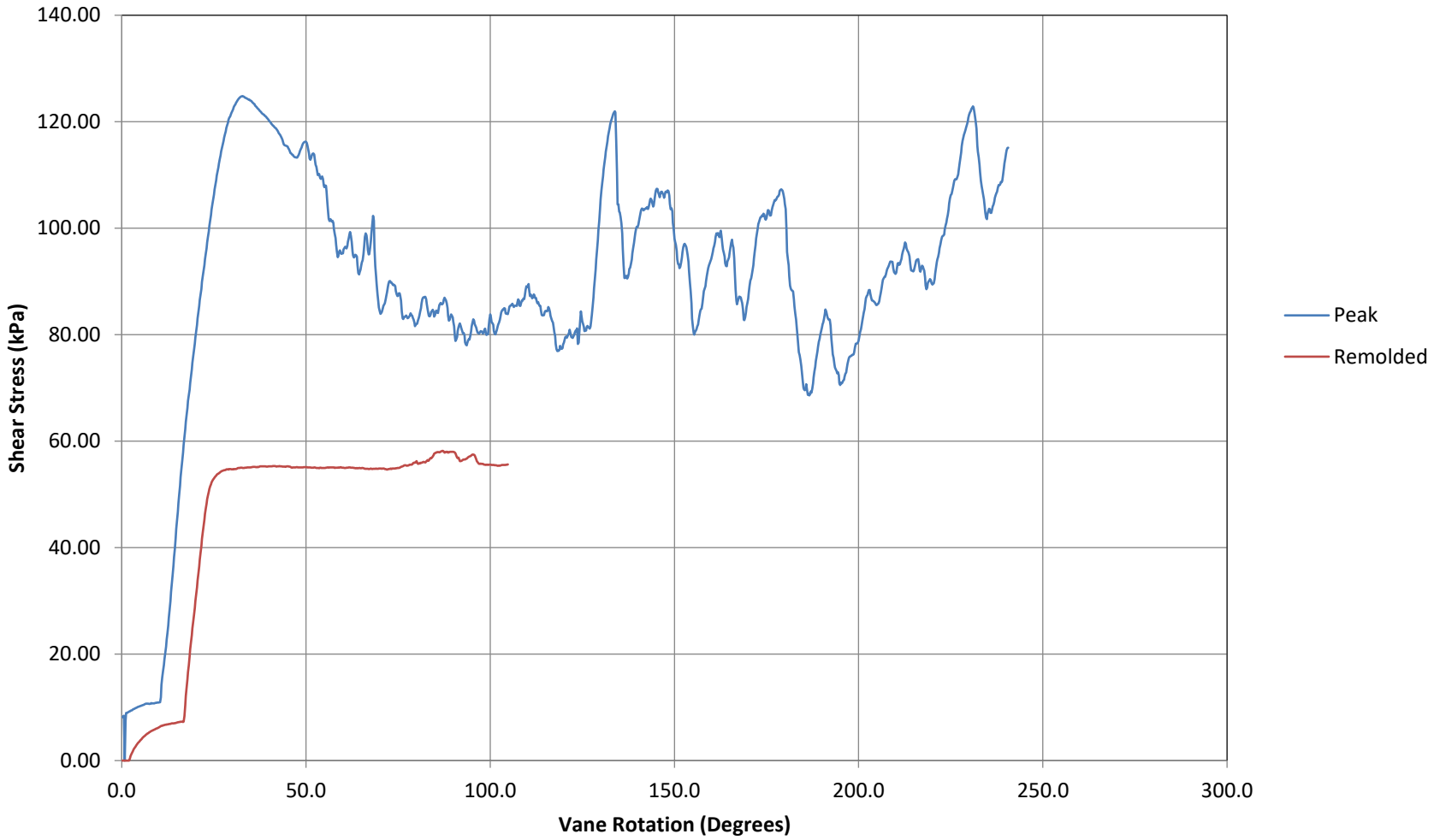


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LGS-BH-01

Test Date: 20-Nov-2021 08:23
Test Depth (m): 3.62
Vane Type: Double tapered 55 x 110 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412363
Easting (m): 471373

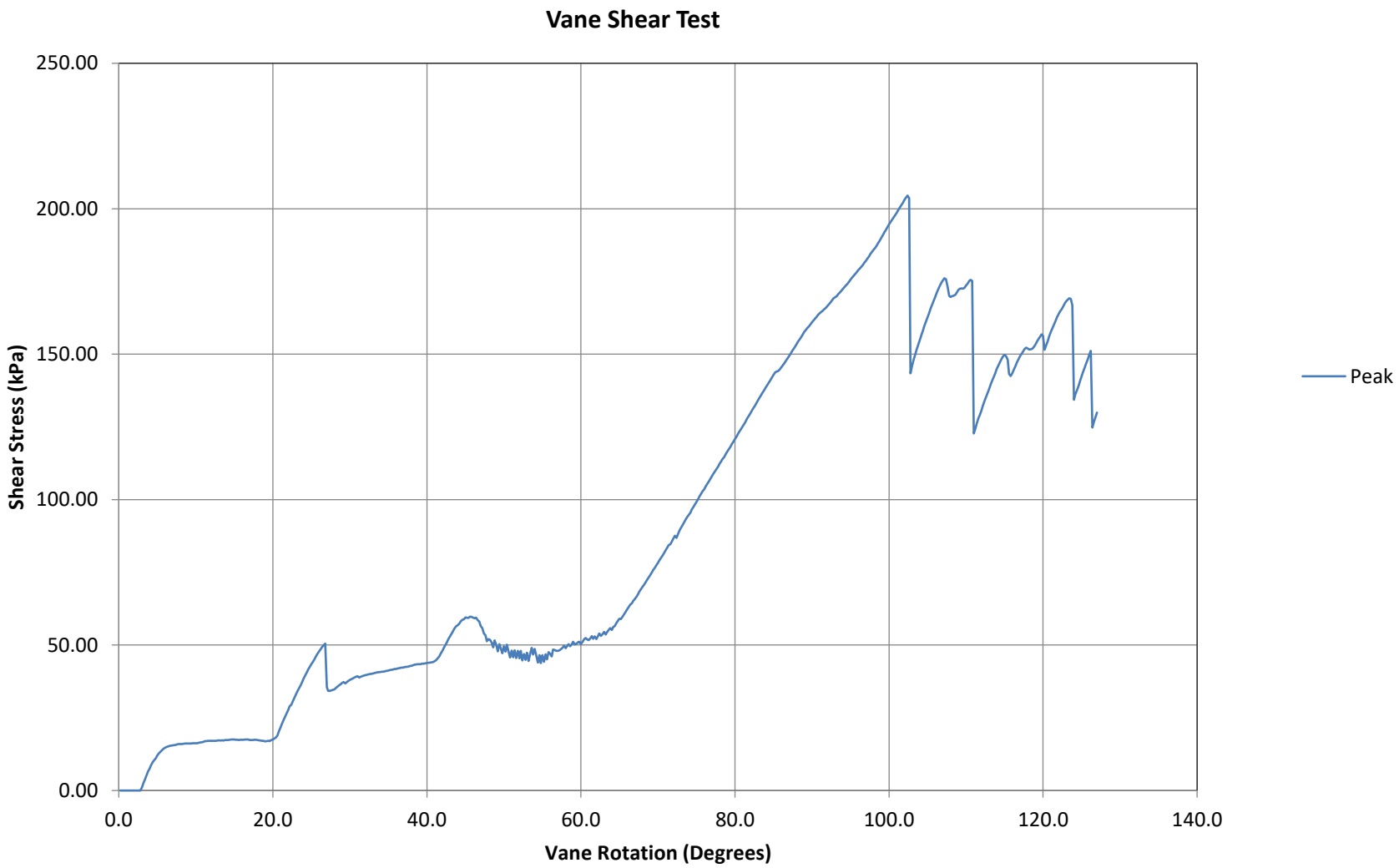
Vane Shear Test



Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LGS-BH-01

Test Date: 21-Nov-2021 08:28
Test Depth (m): 25.39
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412363
Easting (m): 471373

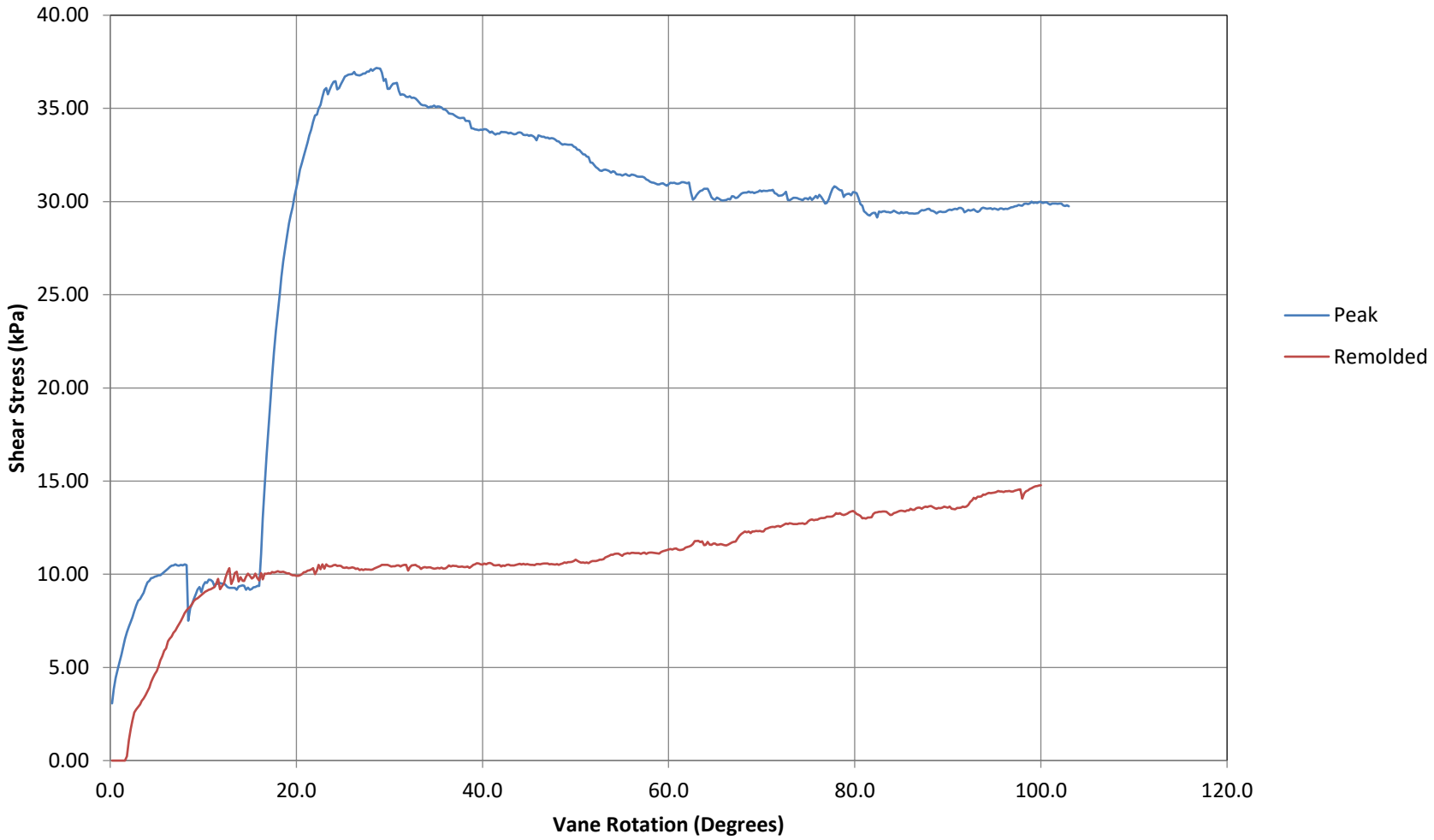


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LGS-BH-08

Test Date: 20-Nov-2021 12:20
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410662
Easting (m): 470411

Vane Shear Test

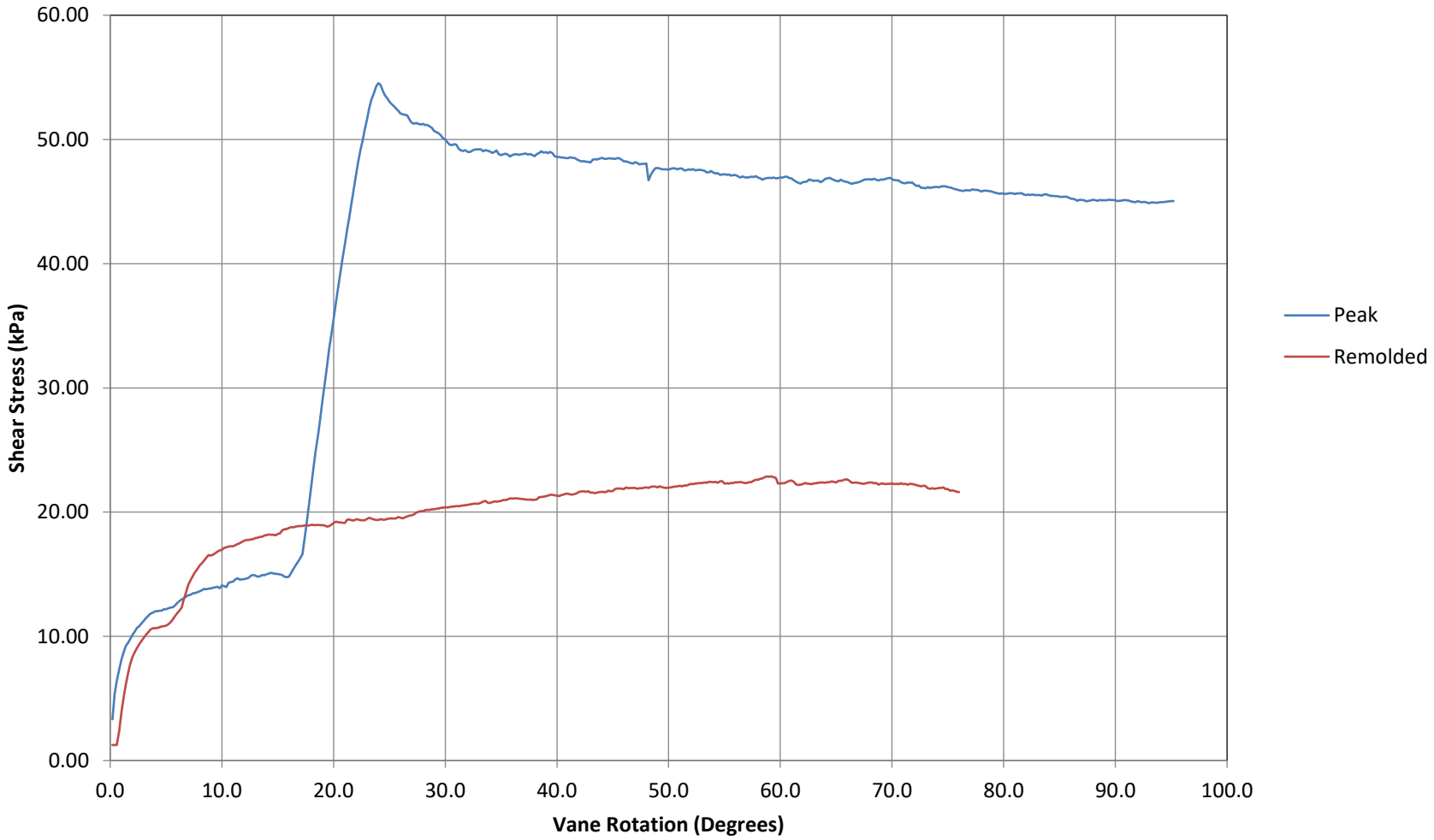


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-LGS-BH-08

Test Date: 20-Nov-2021 15:50
Test Depth (m): 18.90
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410662
Easting (m): 470411

Vane Shear Test

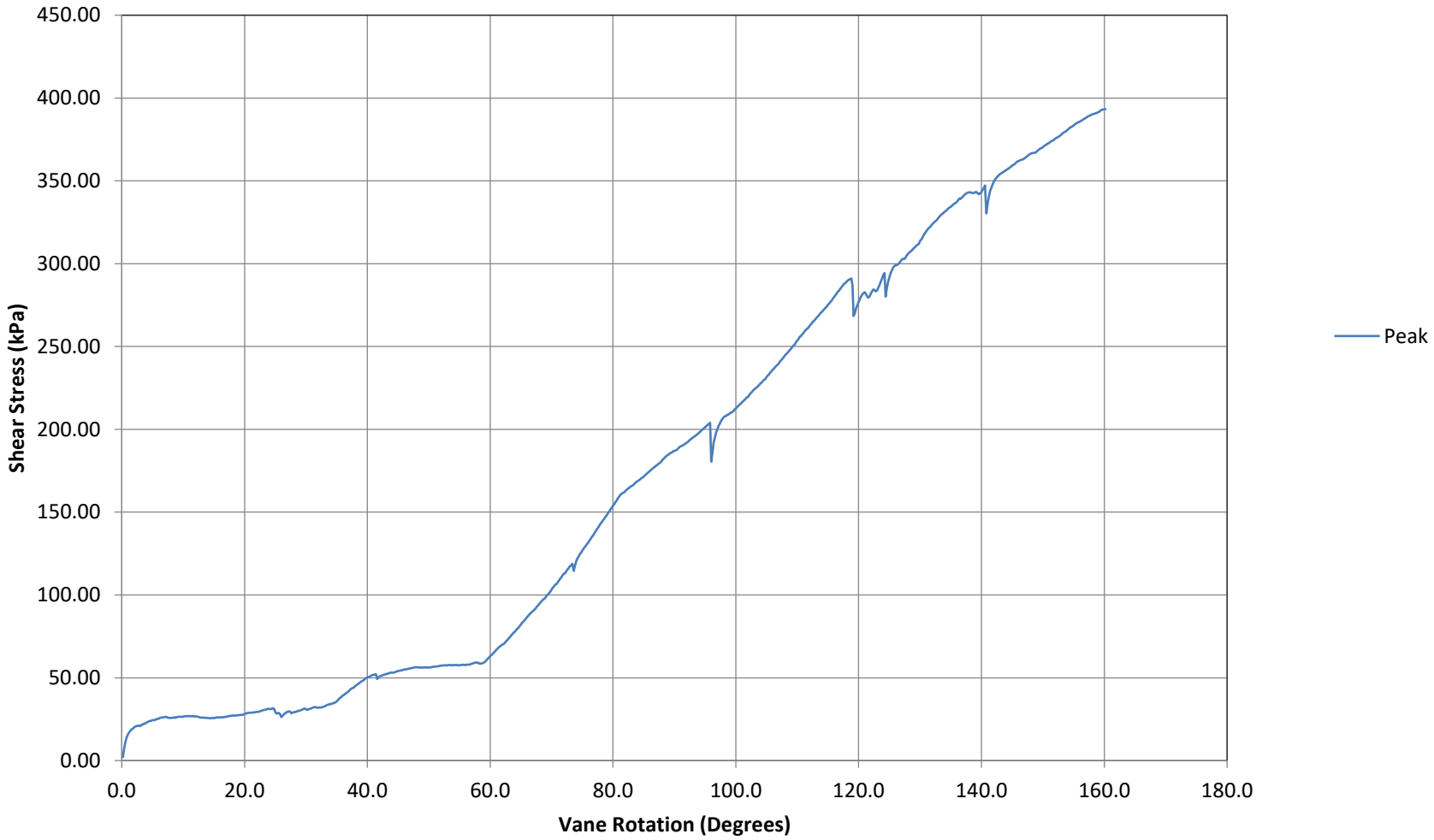


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-01

Test Date: 13-Nov-2021 12:33
Test Depth (m): 6.25
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412706
Easting (m): 472320

Vane Shear Test

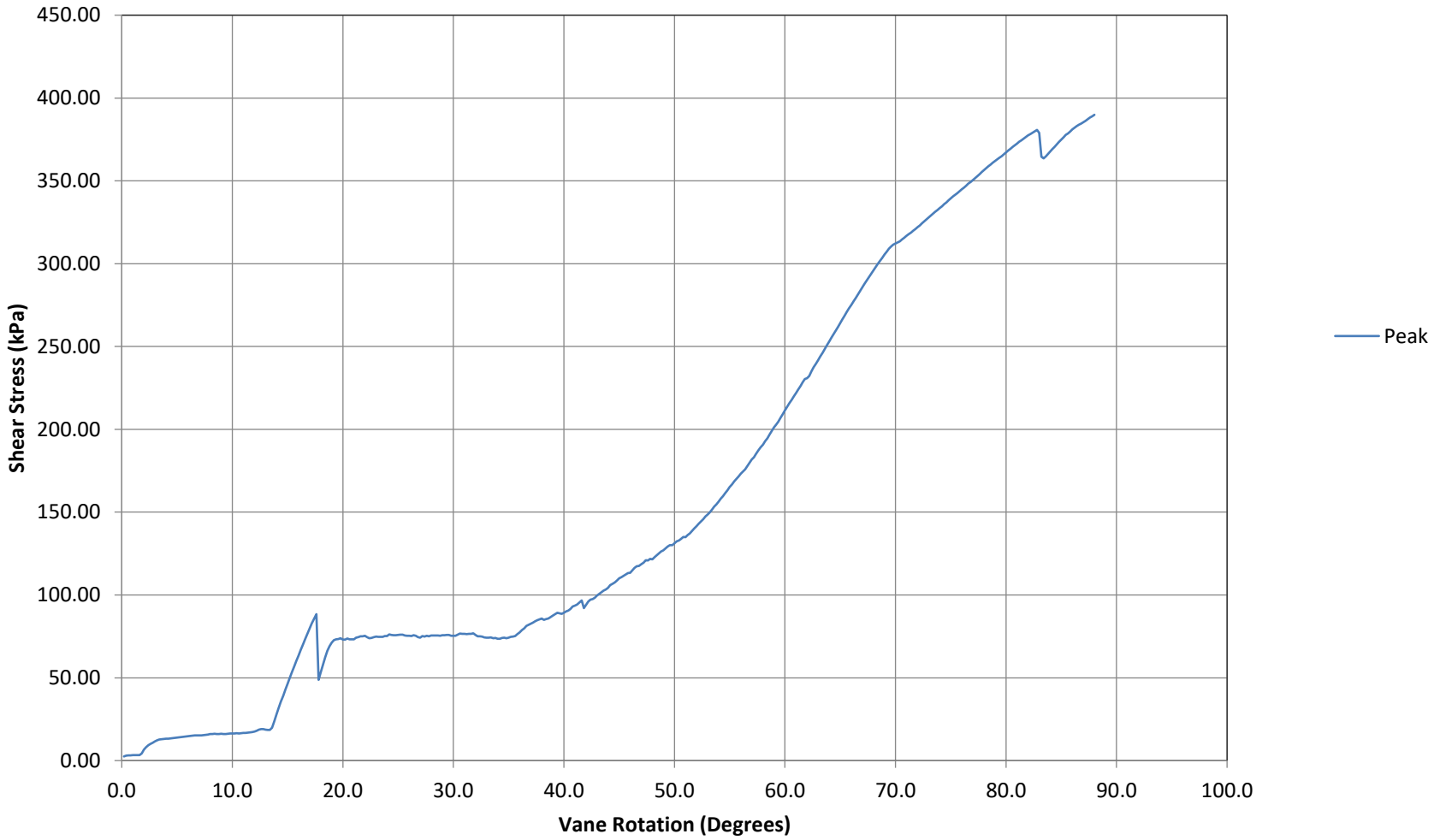


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-01

Test Date: 13-Nov-2021 15:49
Test Depth (m): 15.85
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412706
Easting (m): 472320

Vane Shear Test

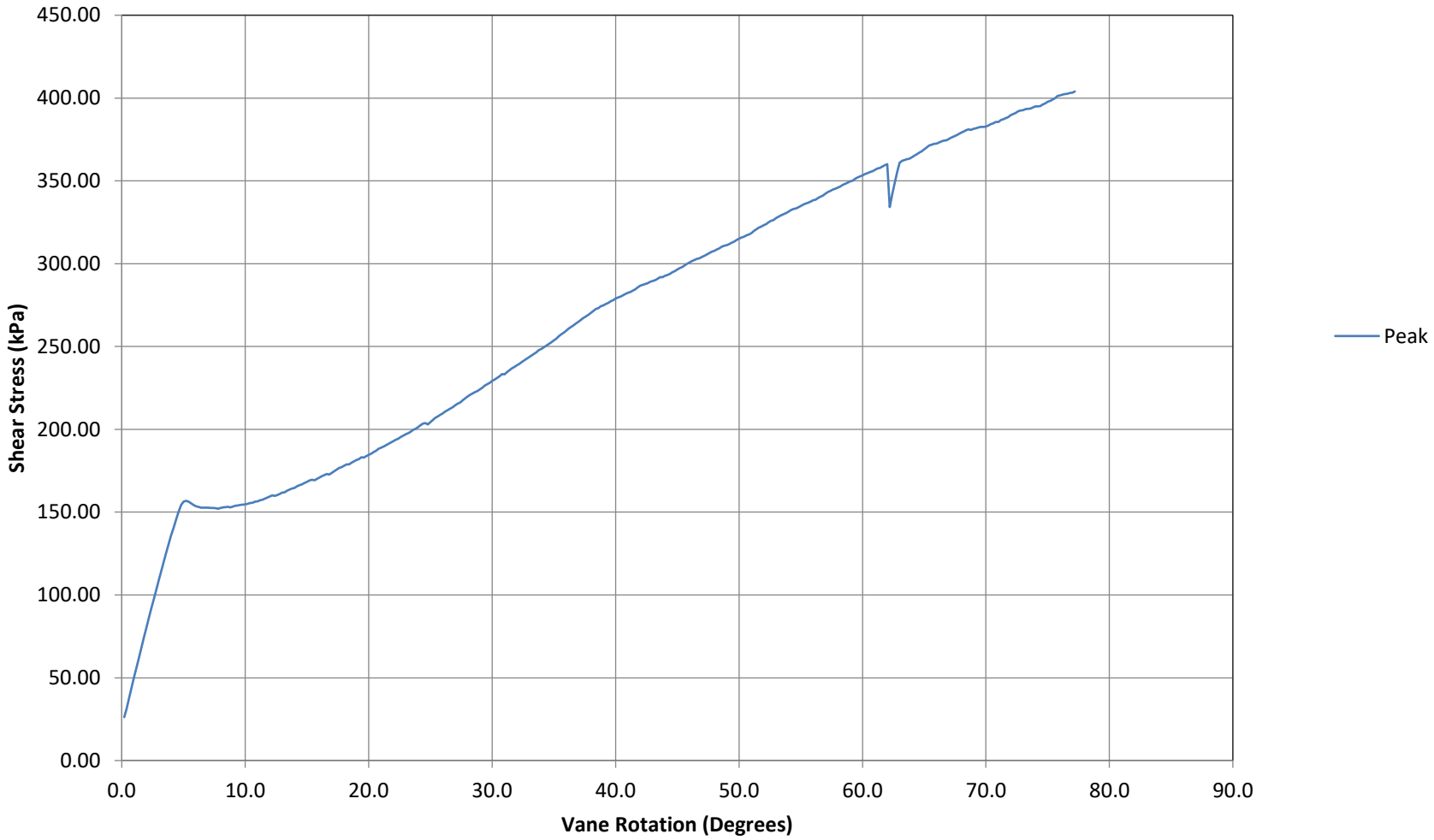


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-01

Test Date: 13-Nov-2021 16:18
Test Depth (m): 16.16
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412706
Easting (m): 472320

Vane Shear Test

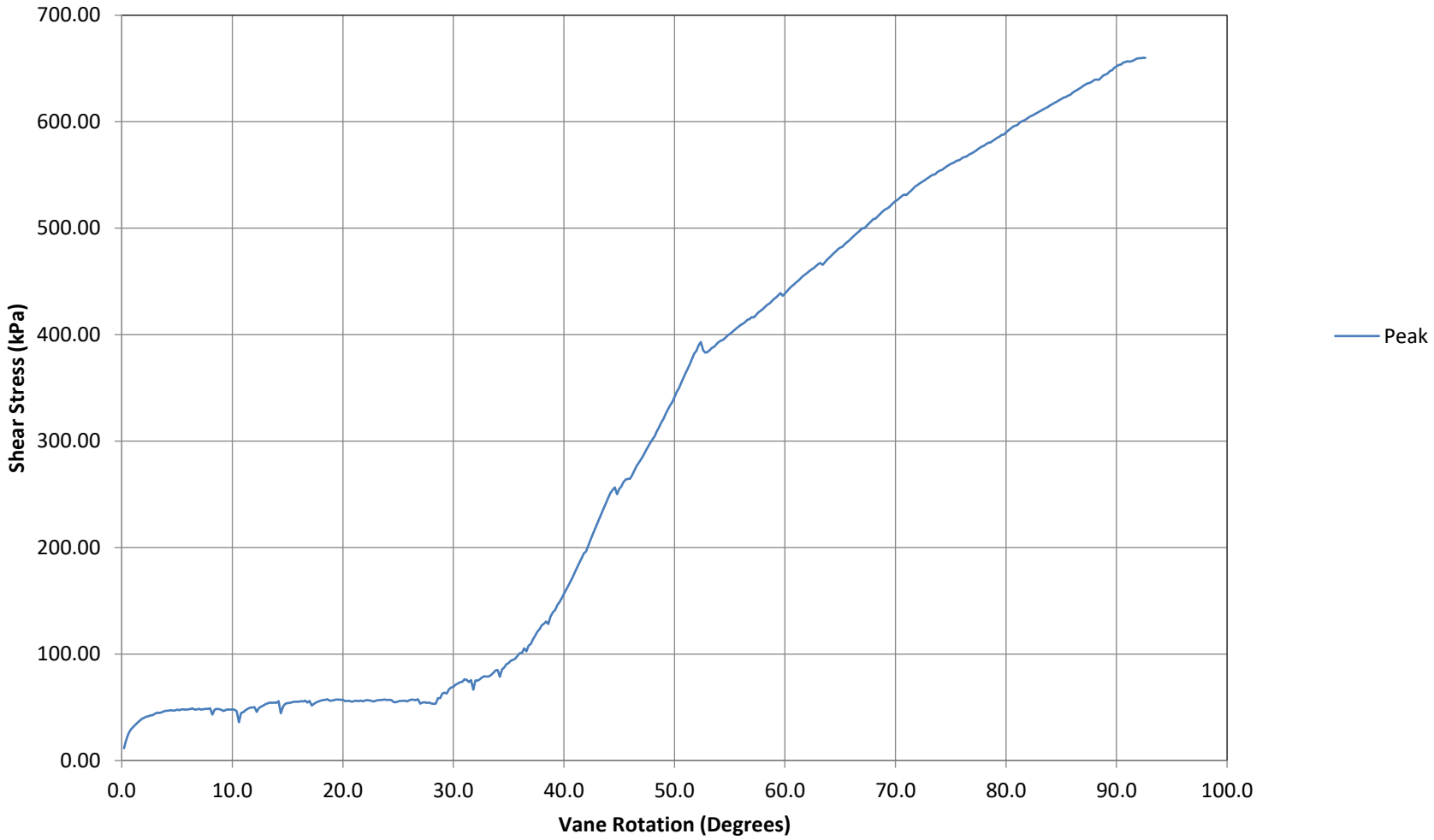


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-01

Test Date: 14-Nov-2021 12:33
Test Depth (m): 32.16
Vane Type: Adara solid double tapered 40 x 40 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412706
Easting (m): 472320

Vane Shear Test

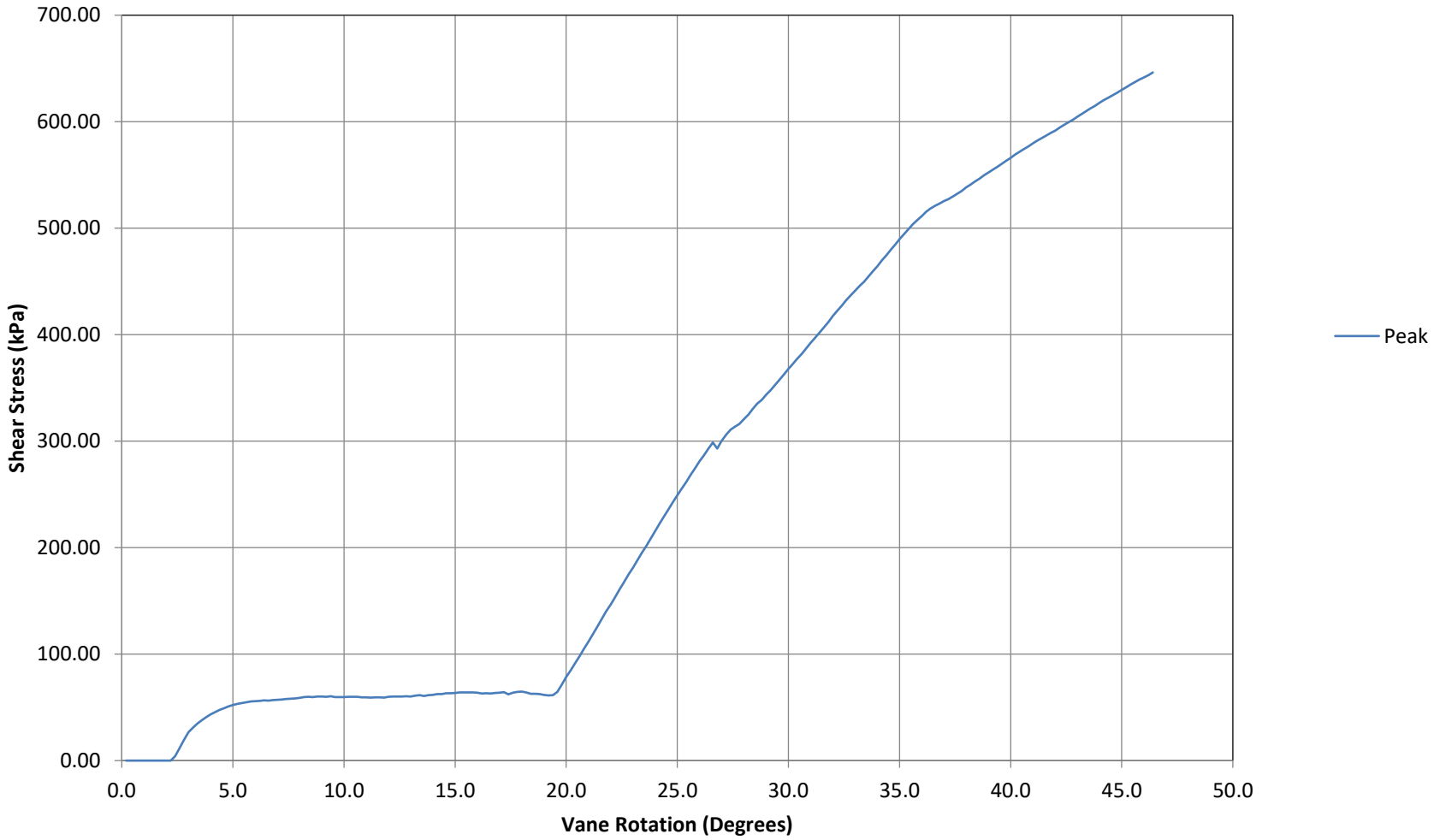


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-01

Test Date: 14-Nov-2021 16:51
Test Depth (m): 39.93
Vane Type: Adara solid double tapered 40 x 40 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412706
Easting (m): 472320

Vane Shear Test

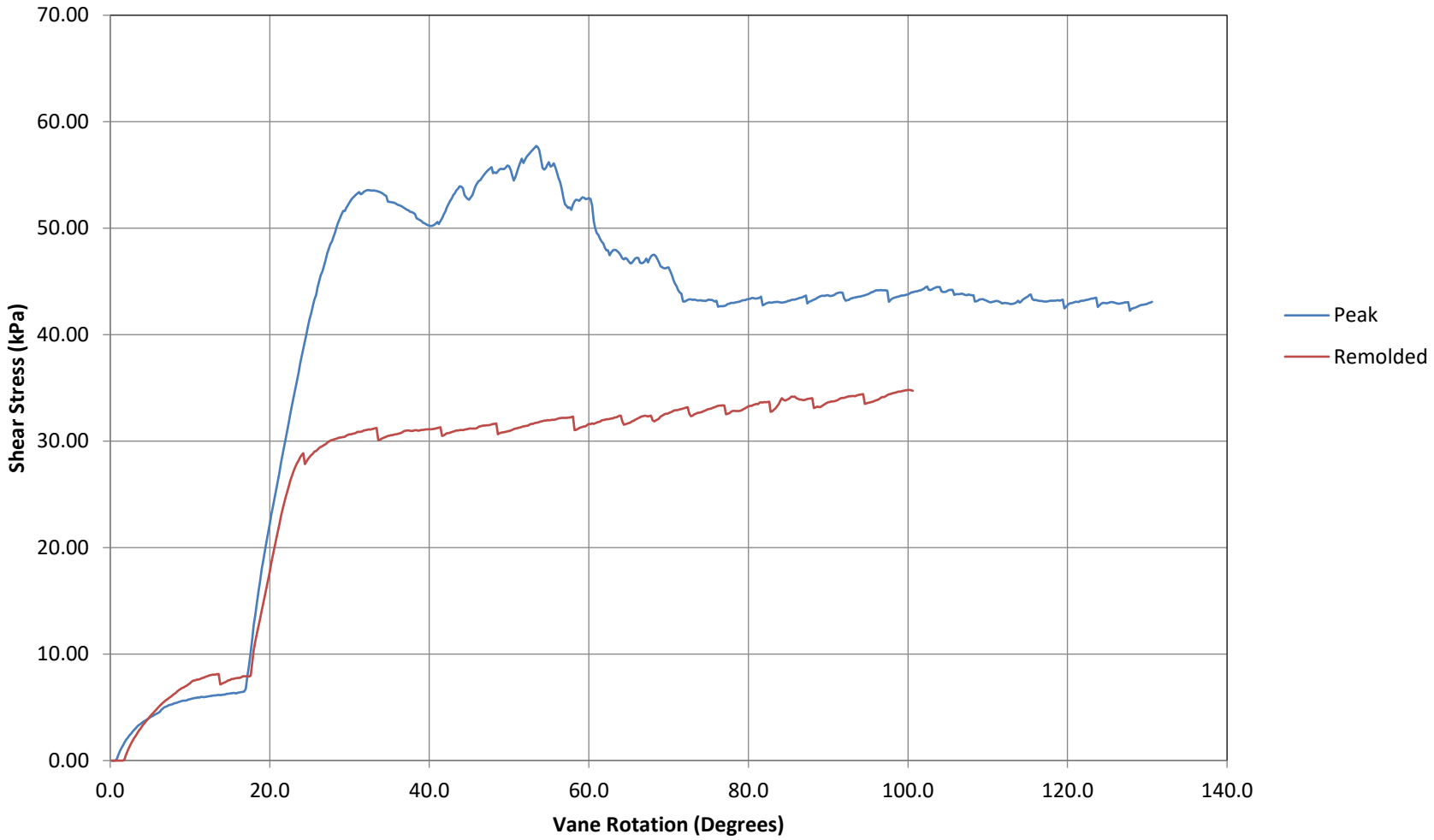


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-07

Test Date: 09-Nov-2021 16:11
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411884
Easting (m): 472404

Vane Shear Test

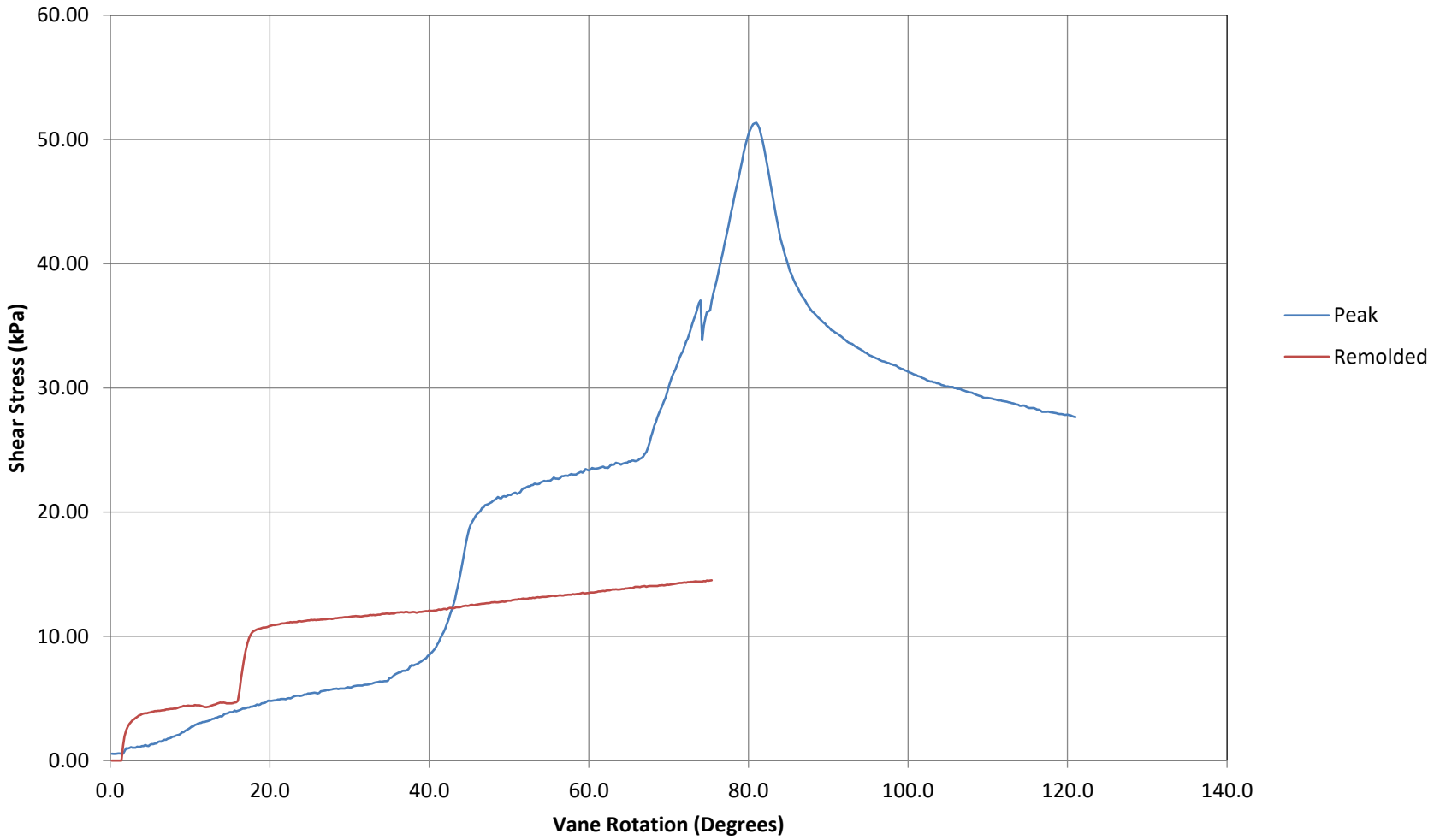


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-07

Test Date: 10-Nov-2021 09:24
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411884
Easting (m): 472404

Vane Shear Test

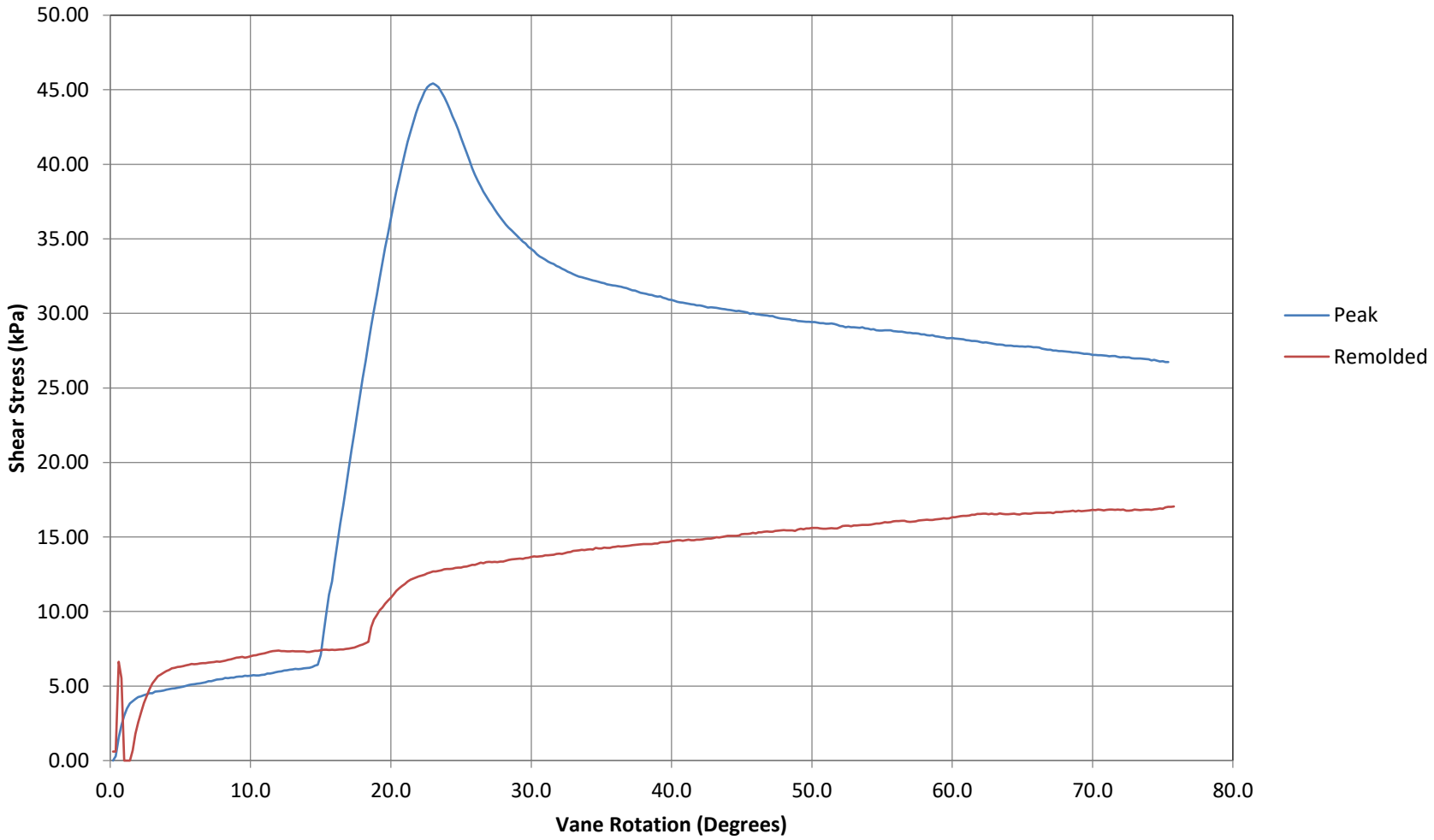


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-07

Test Date: 10-Nov-2021 10:10
Test Depth (m): 13.11
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411884
Easting (m): 472404

Vane Shear Test

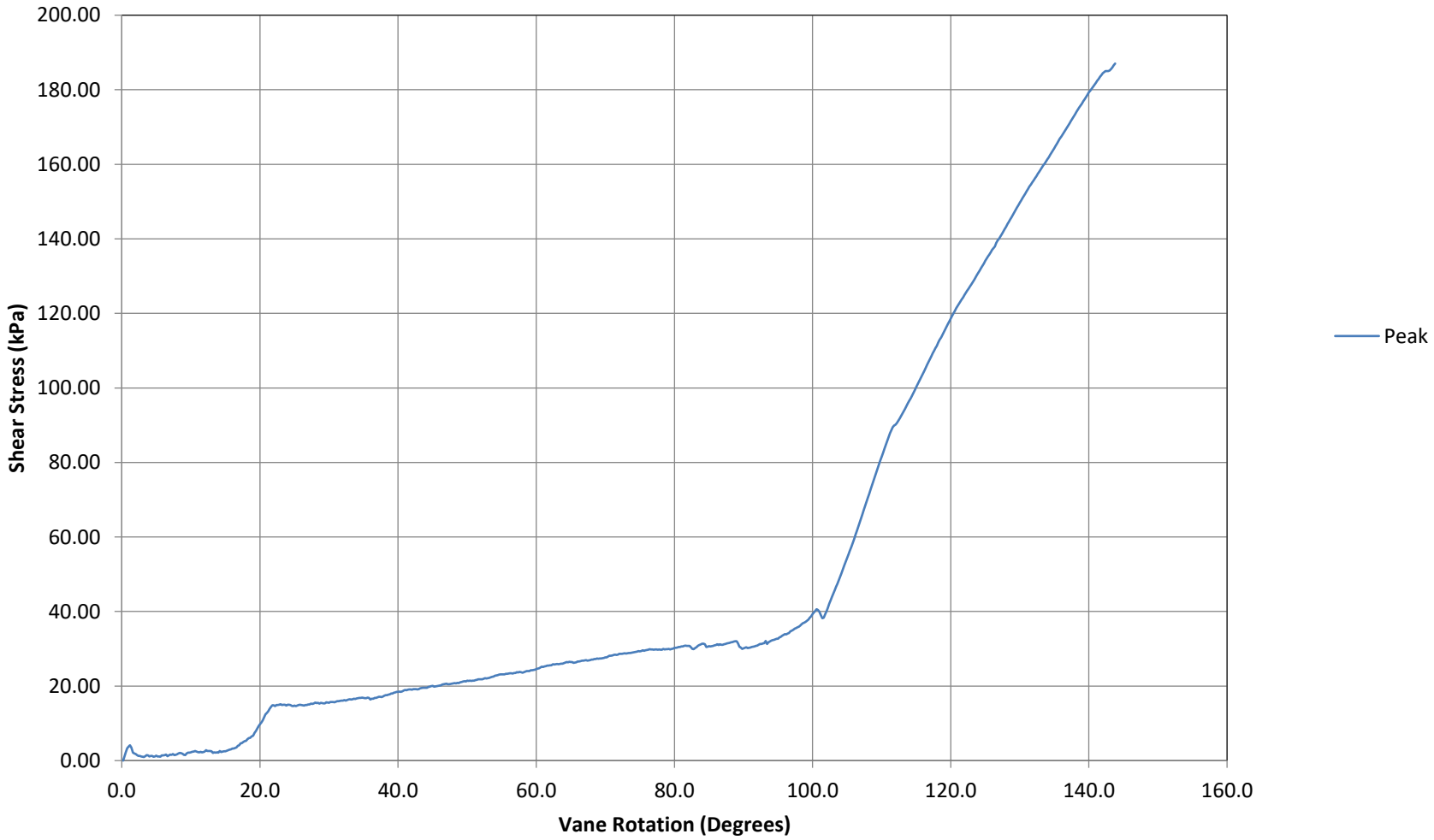


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-07

Test Date: 10-Nov-2021 12:04
Test Depth (m): 19.05
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411884
Easting (m): 472404

Vane Shear Test

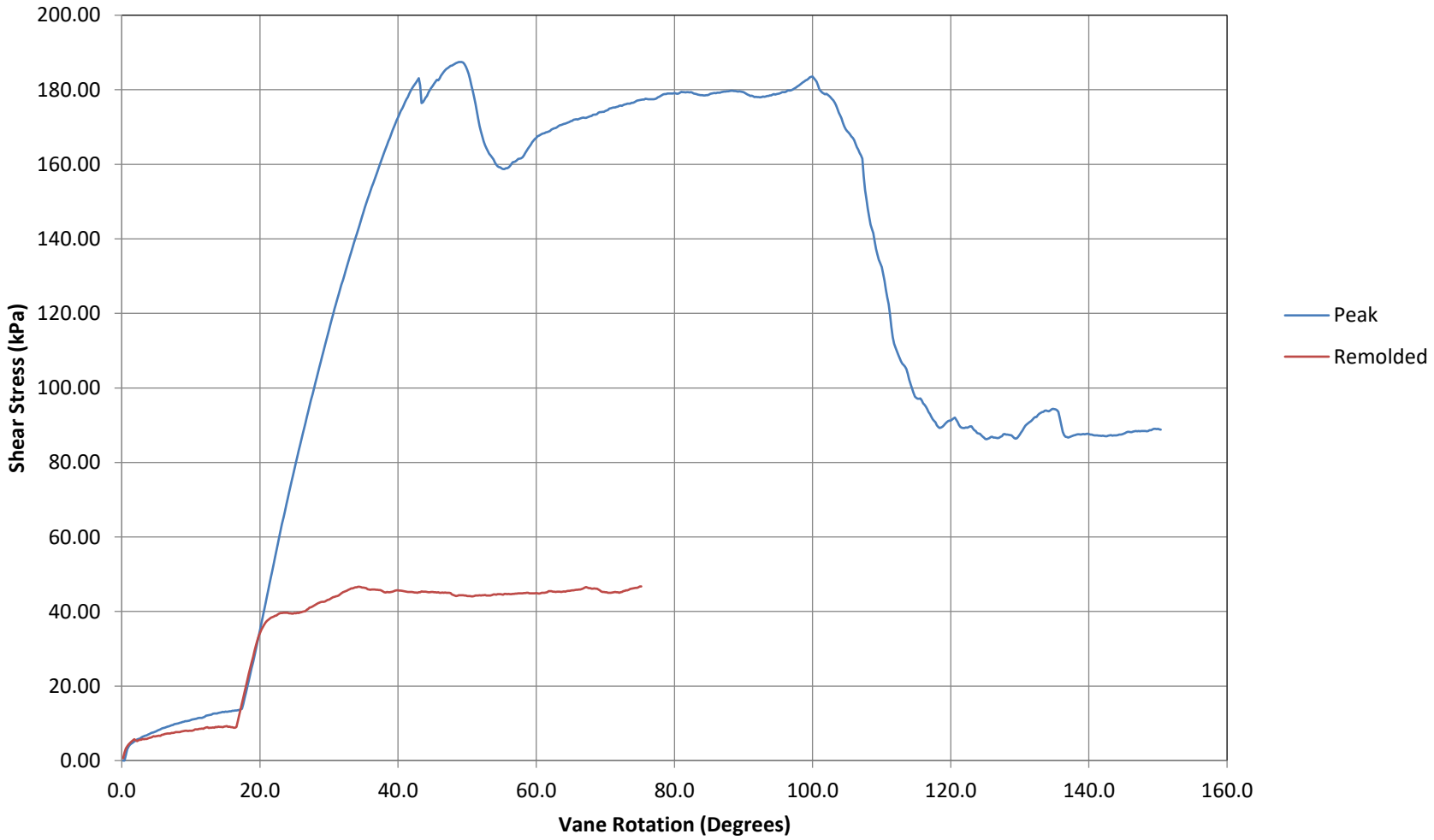


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-07

Test Date: 10-Nov-2021 12:42
Test Depth (m): 19.20
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5411884
Easting (m): 472404

Vane Shear Test

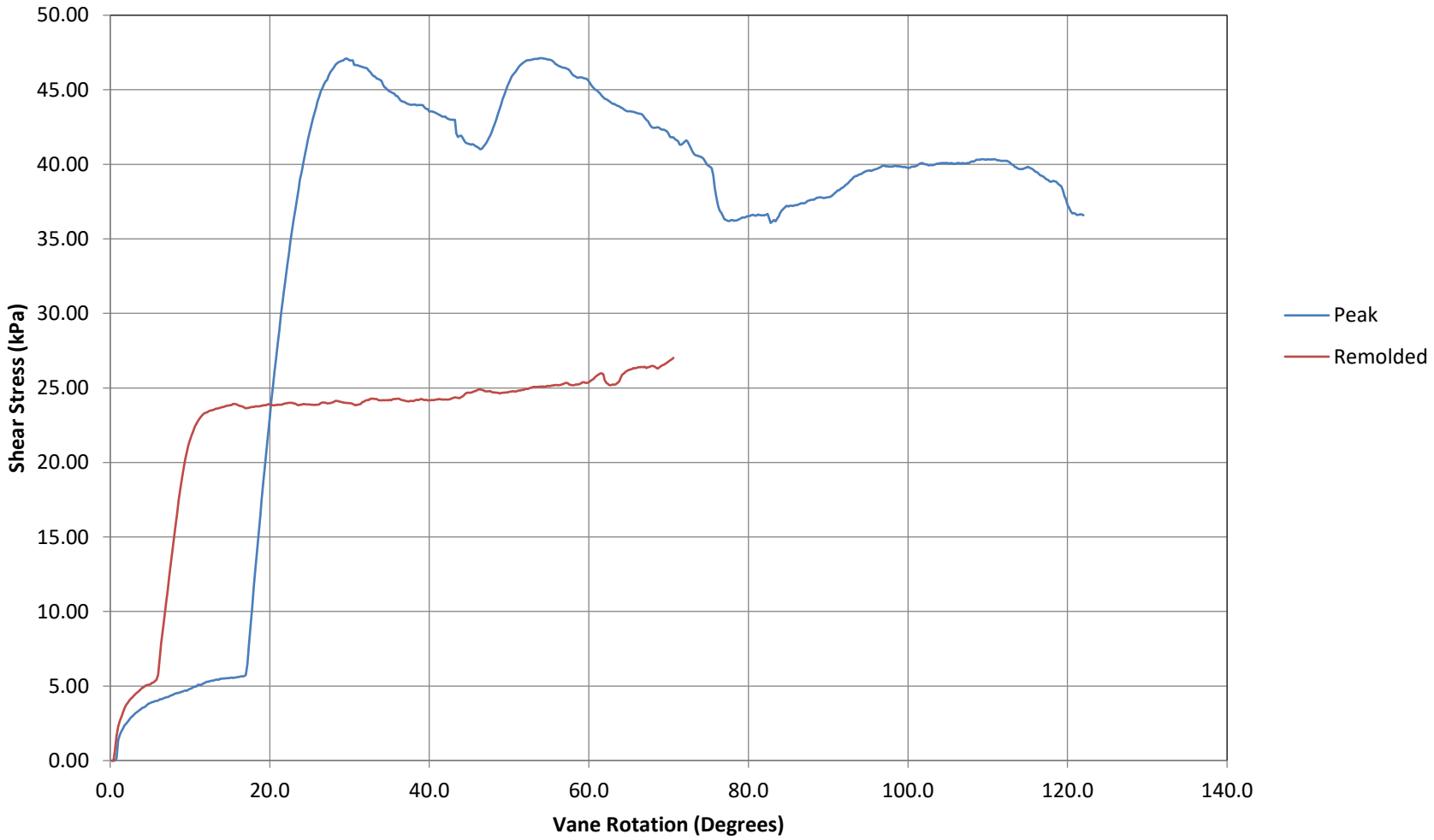


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-11

Test Date: 07-Nov-2021 13:15
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410443
Easting (m): 472537

Vane Shear Test

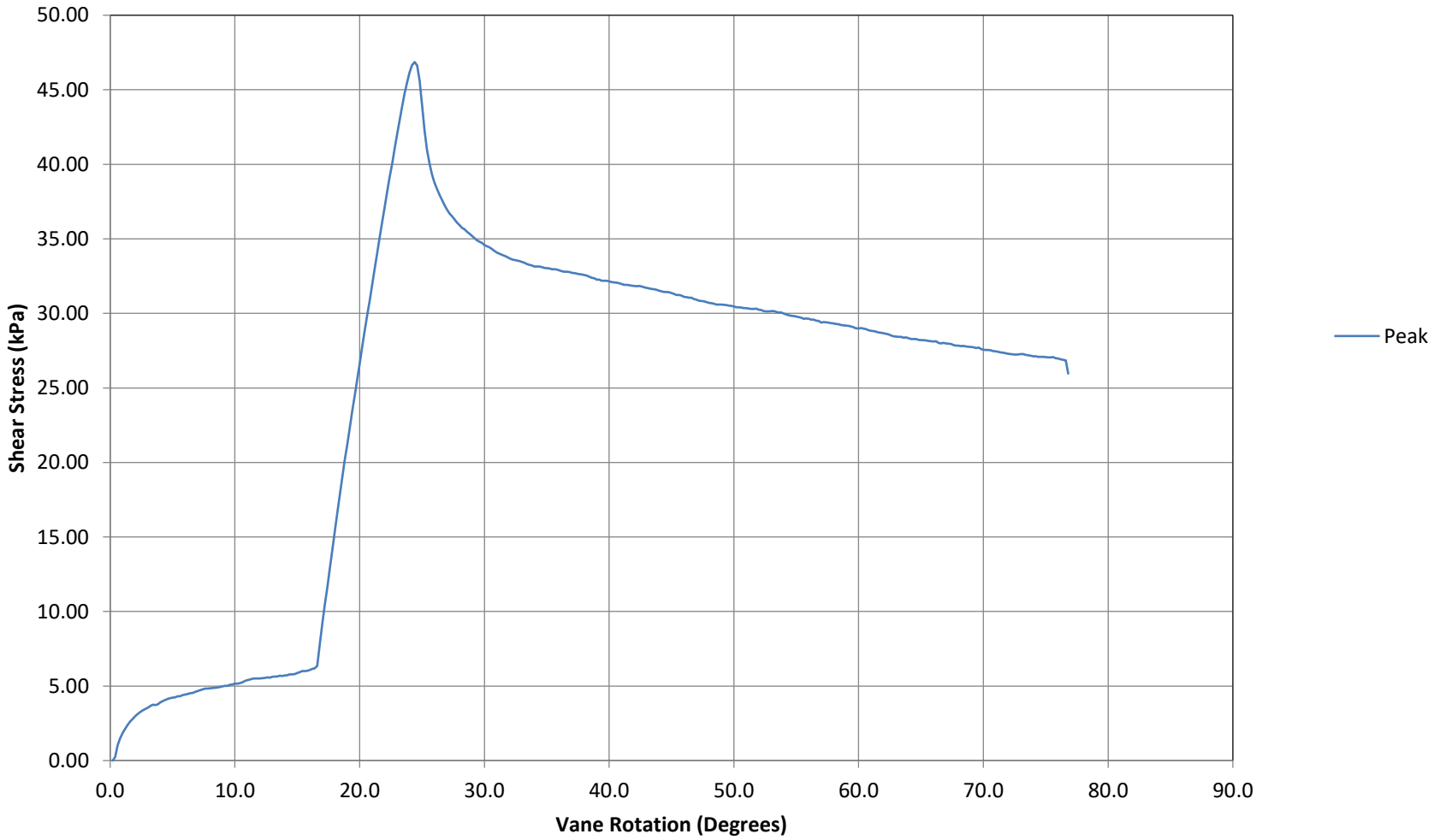


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-11

Test Date: 08-Nov-2021 09:04
Test Depth (m): 15.55
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410443
Easting (m): 472537

Vane Shear Test

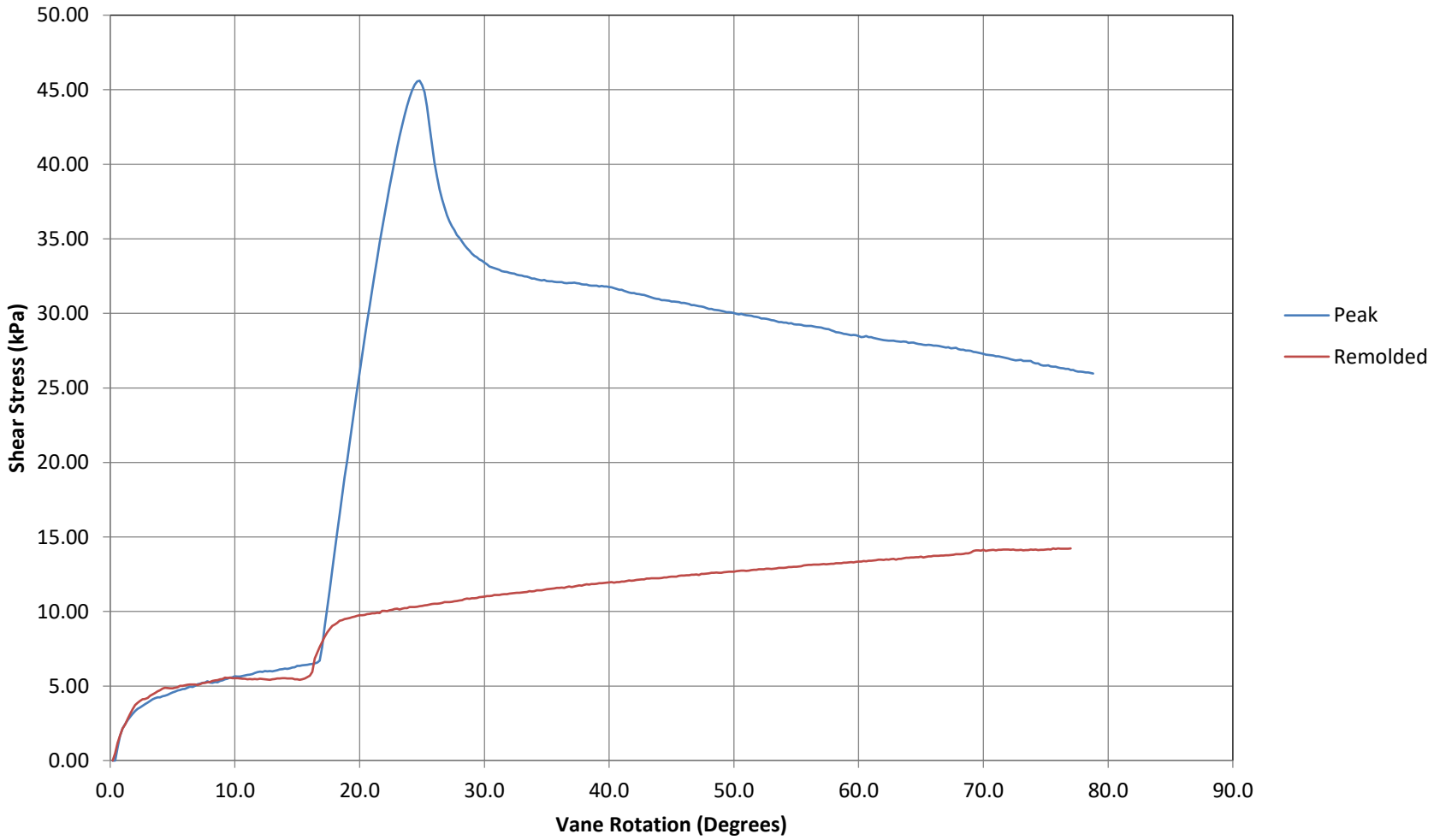


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-11

Test Date: 08-Nov-2021 09:41
Test Depth (m): 15.85
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410443
Easting (m): 472537

Vane Shear Test

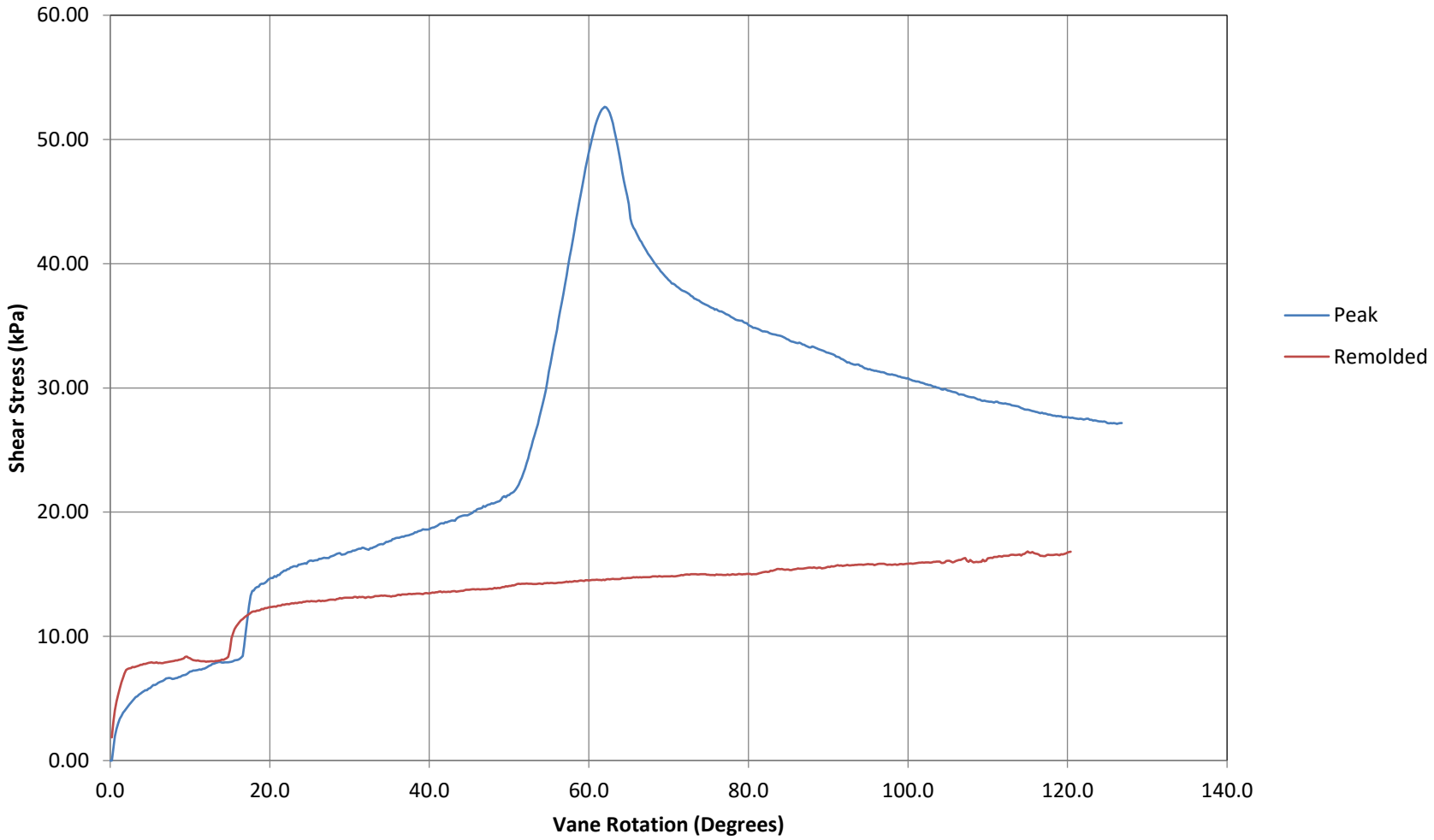


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-NWR-BH-11

Test Date: 08-Nov-2021 12:20
Test Depth (m): 21.95
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410443
Easting (m): 472537

Vane Shear Test

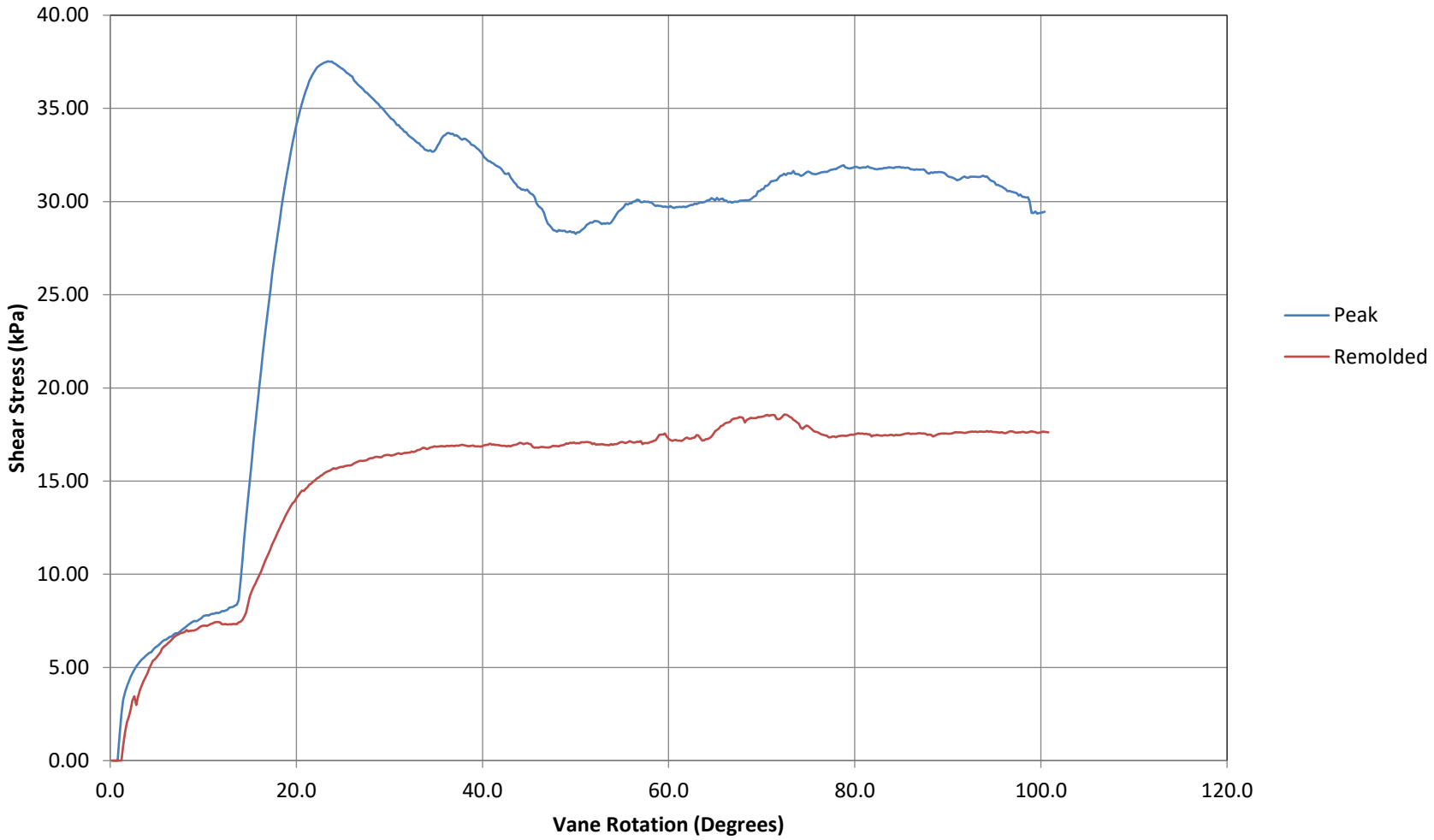


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-01

Test Date: 17-Oct-2021 13:51
Test Depth (m): 10.36
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409257
Easting (m): 472655

Vane Shear Test

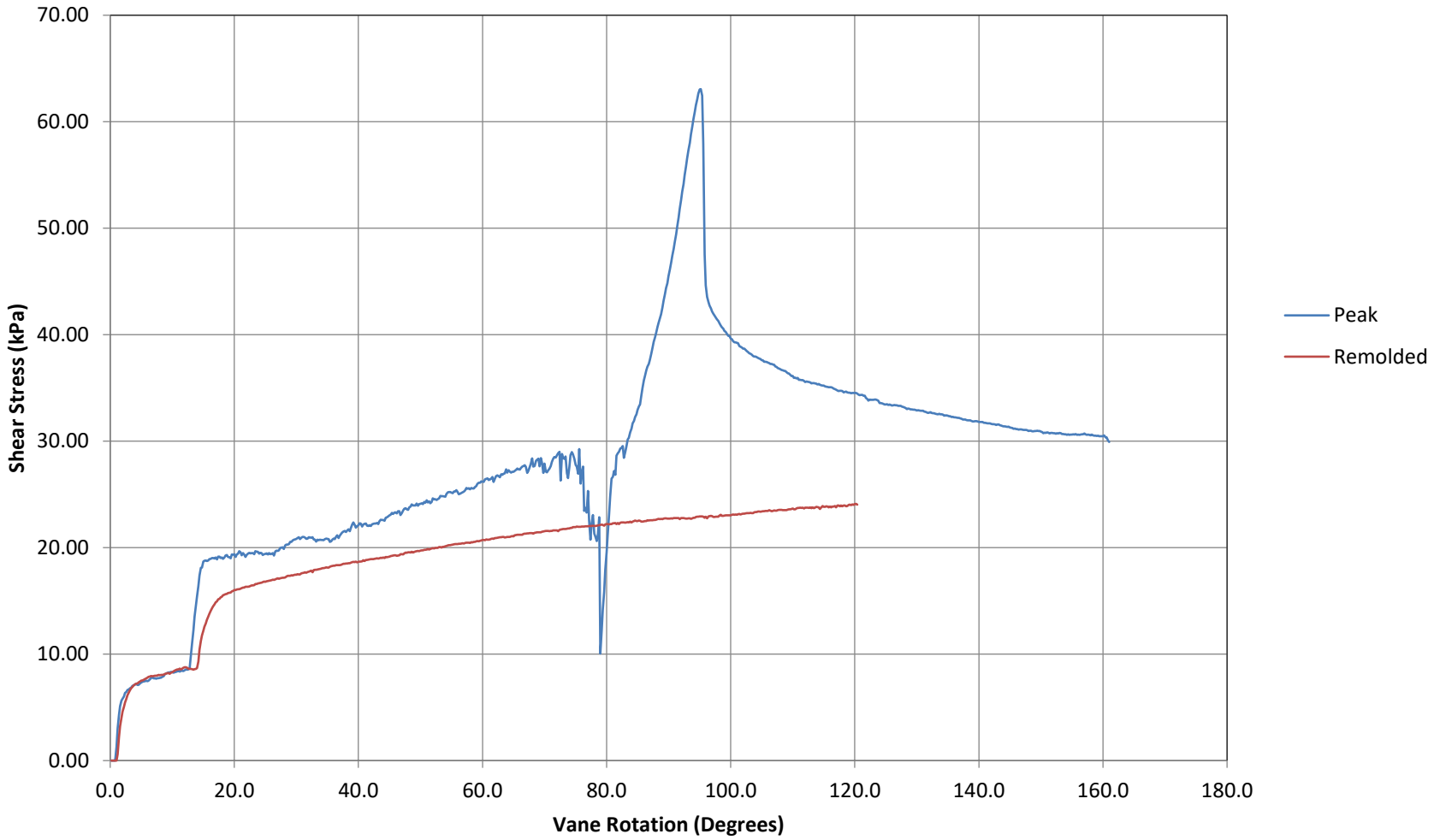


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-01

Test Date: 18-Oct-2021 07:04
Test Depth (m): 17.07
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409257
Easting (m): 472655

Vane Shear Test

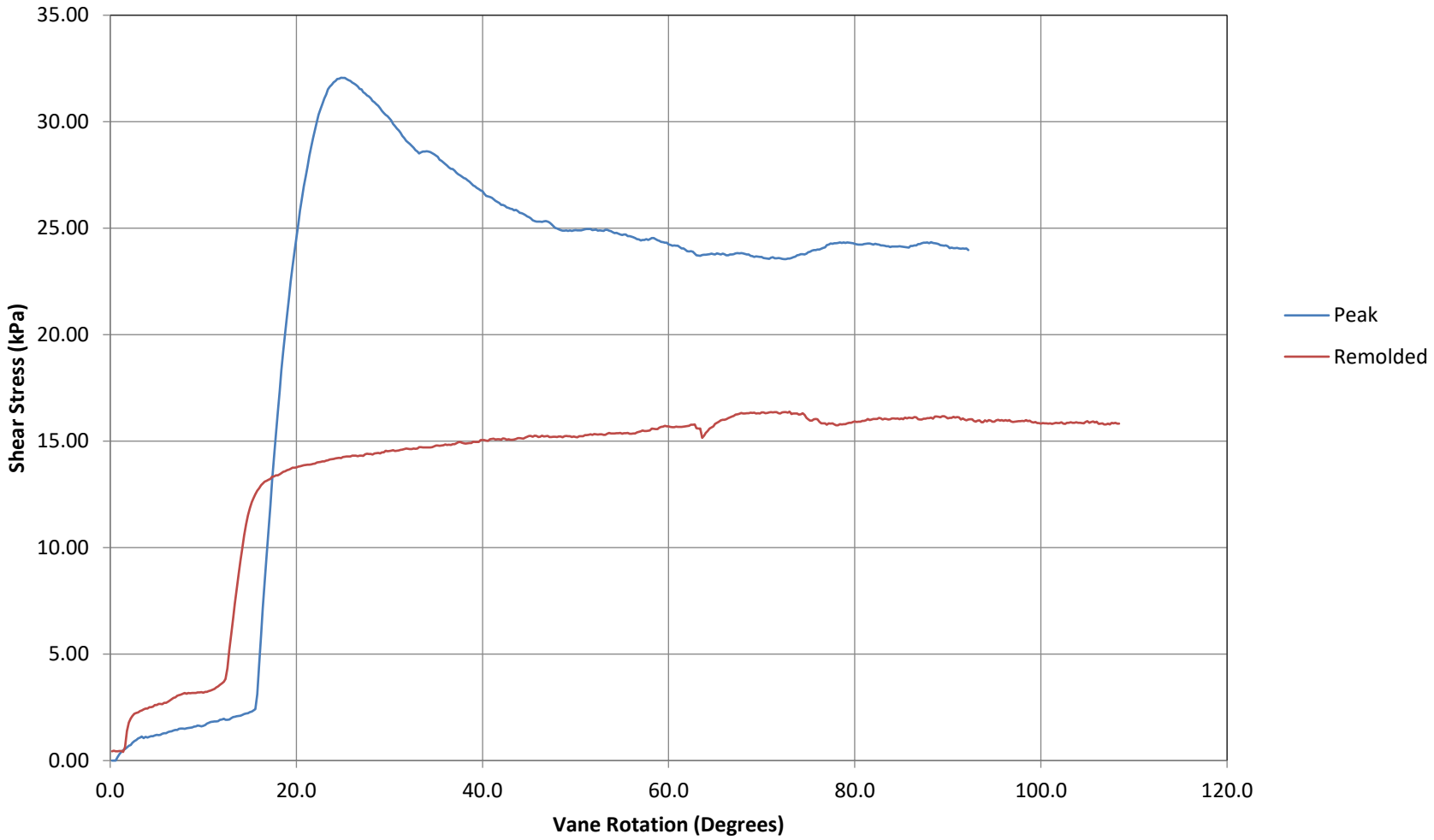


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-02

Test Date: 02-Nov-2021 10:36
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409618
Easting (m): 472618

Vane Shear Test

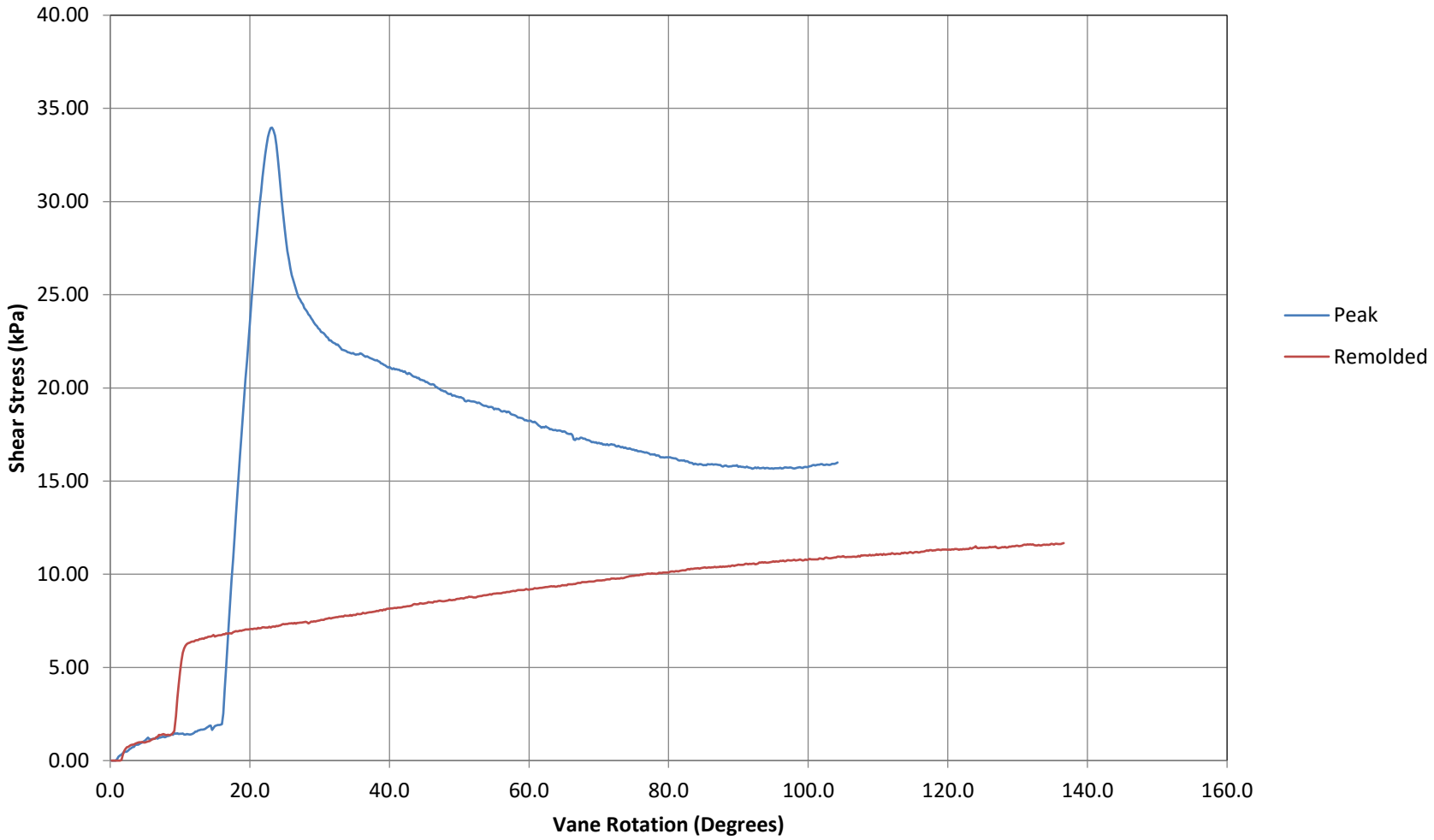


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-02

Test Date: 02-Nov-2021 13:09
Test Depth (m): 15.85
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409618
Easting (m): 472618

Vane Shear Test

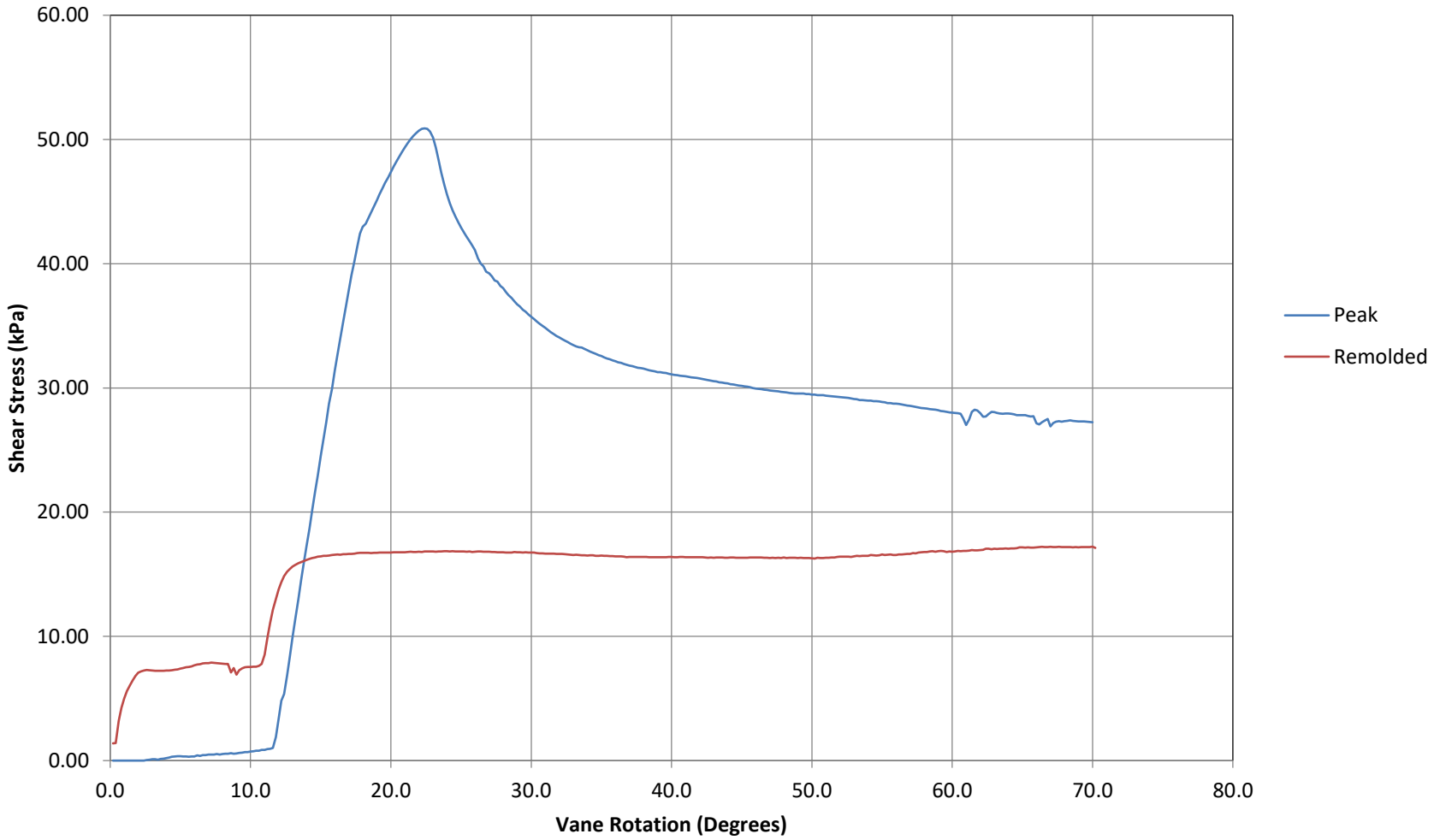


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-03

Test Date: 01-Oct-2021 05:34
Test Depth (m): 11.90
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409755
Easting (m): 473623

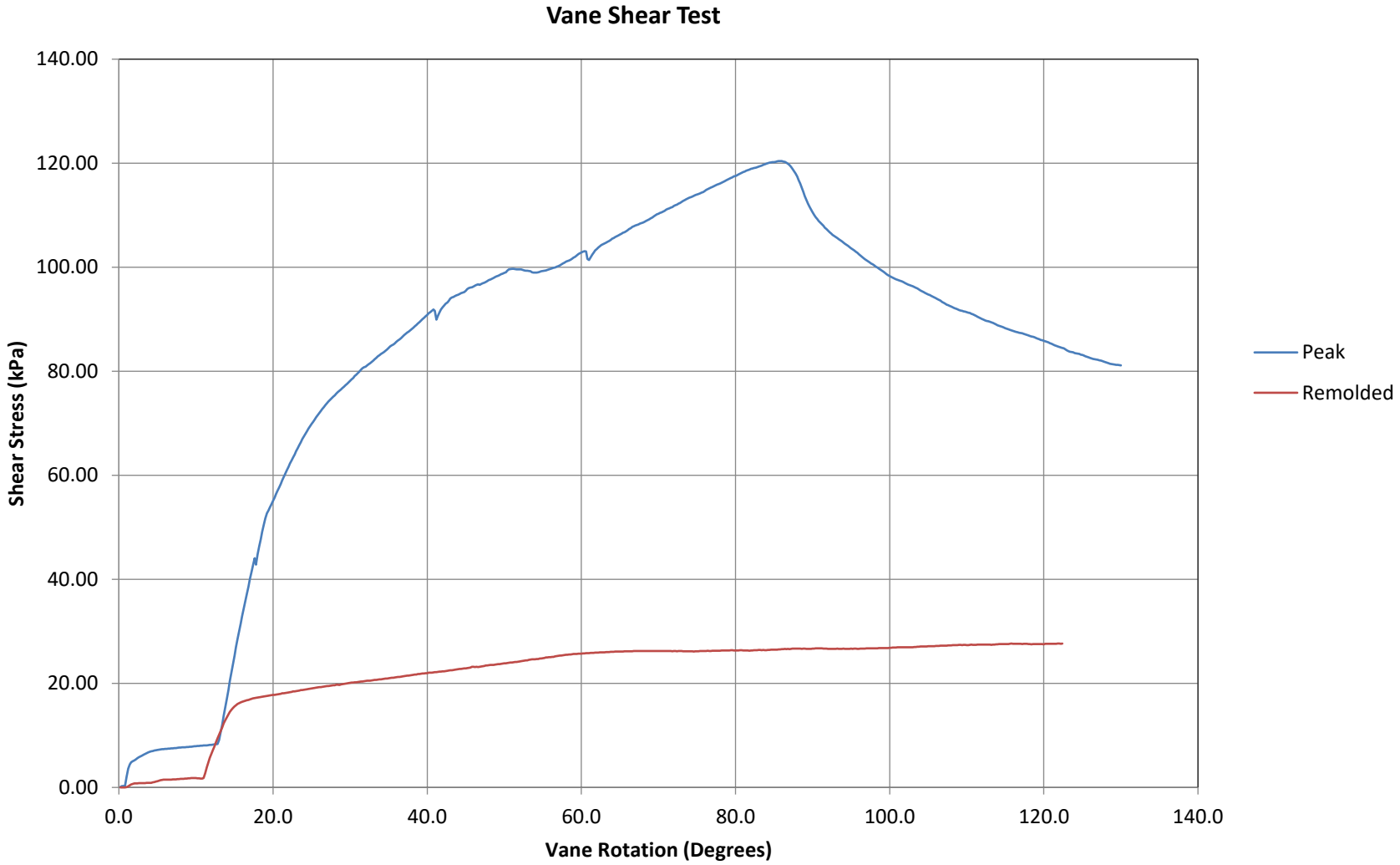
Vane Shear Test



Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-03

Test Date: 01-Oct-2021 08:40
Test Depth (m): 19.50
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409755
Easting (m): 473623

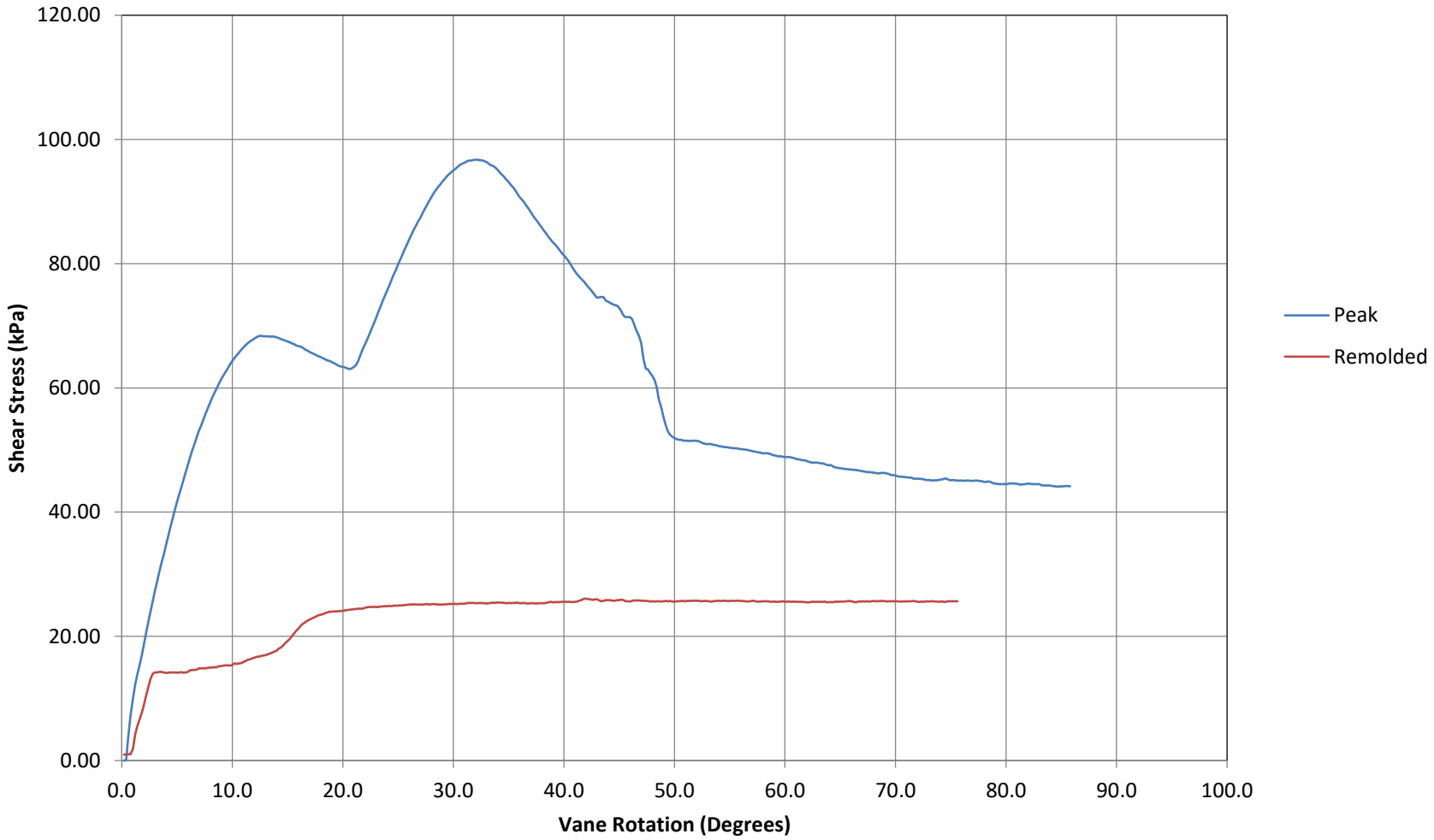


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-05

Test Date: 07-Oct-2021 07:21
Test Depth (m): 10.88
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410051
Easting (m): 473690

Vane Shear Test

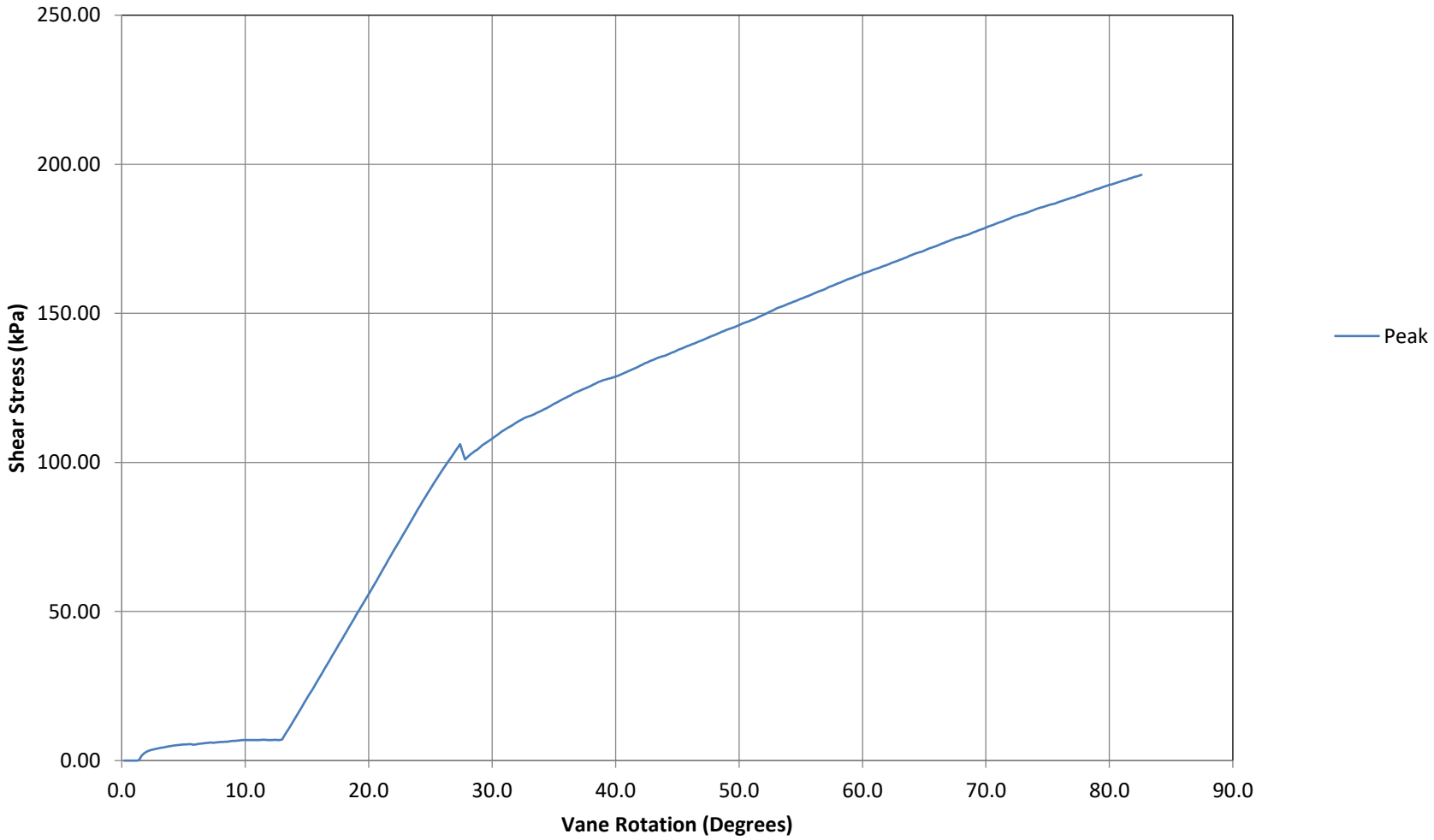


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-05

Test Date: 07-Oct-2021 09:56
Test Depth (m): 16.06
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410051
Easting (m): 473690

Vane Shear Test

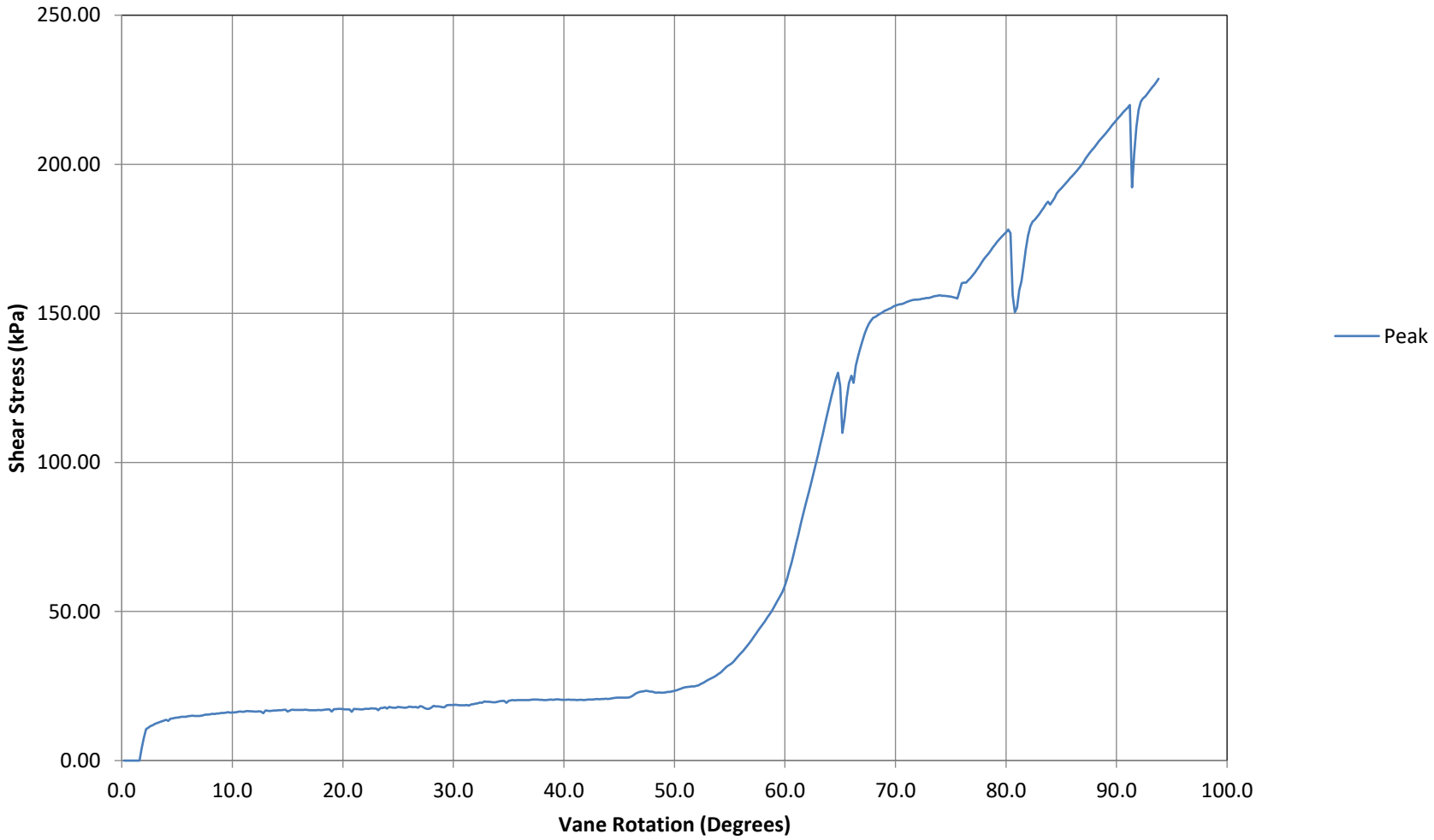


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-07

Test Date: 10-Jan-2022 13:55
Test Depth (m): 8.13
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410296
Easting (m): 475143

Vane Shear Test

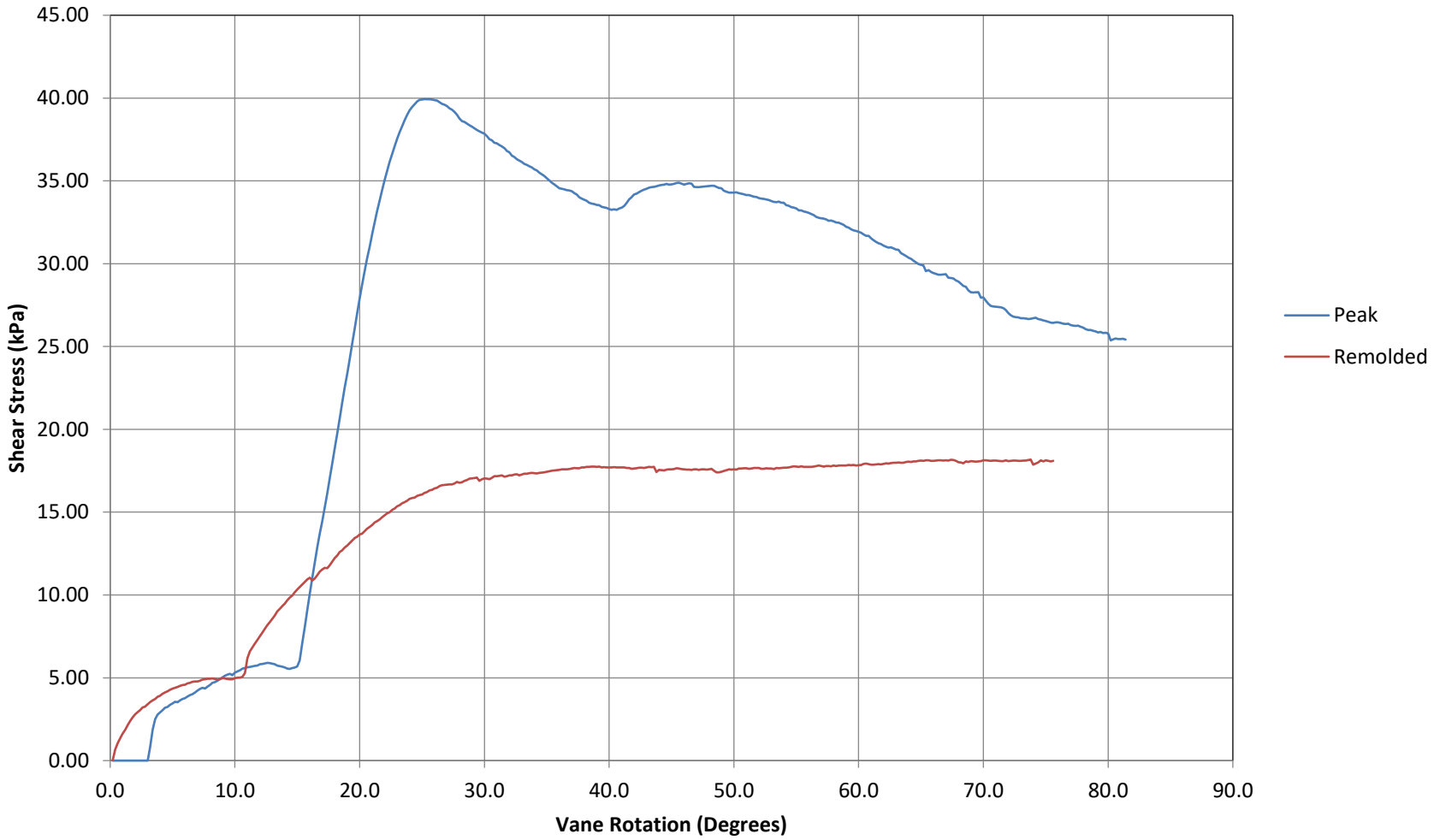


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-11

Test Date: 09-Oct-2021 08:05
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408442
Easting (m): 474005

Vane Shear Test

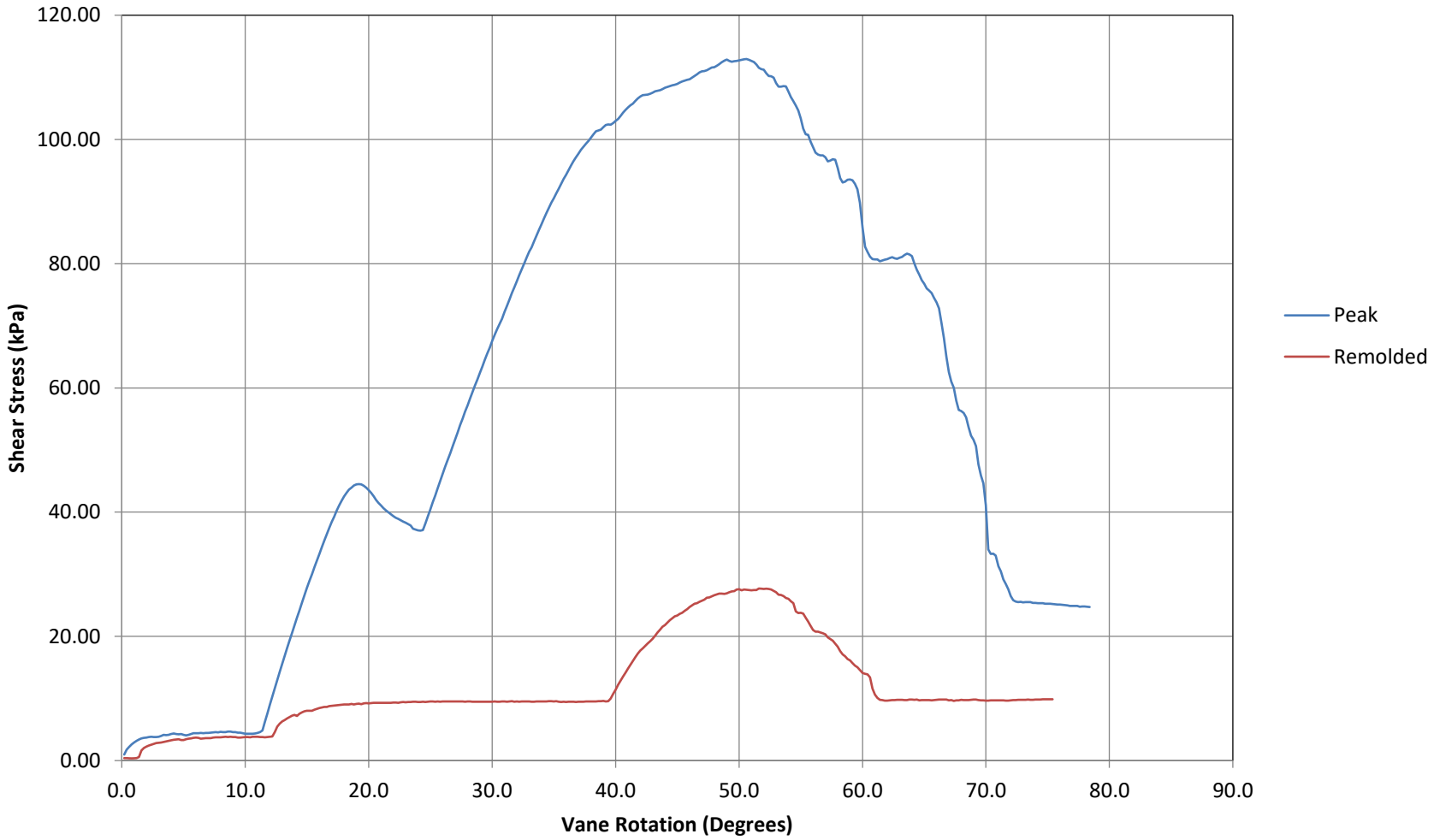


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-11

Test Date: 09-Oct-2021 10:38
Test Depth (m): 18.90
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408442
Easting (m): 474005

Vane Shear Test

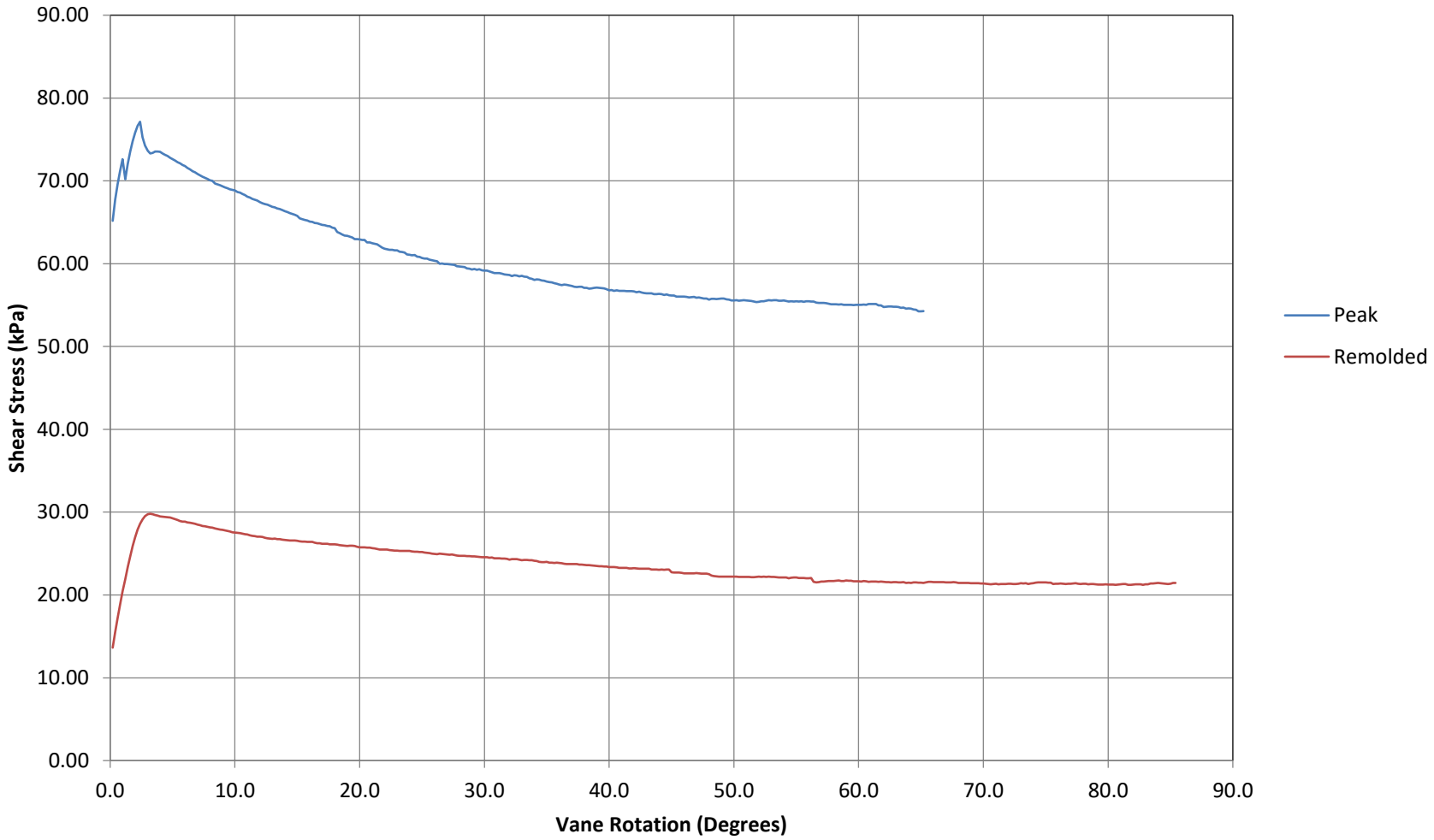


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-12

Test Date: 04-Oct-2021 12:59
Test Depth (m): 8.99
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408469
Easting (m): 472953

Vane Shear Test

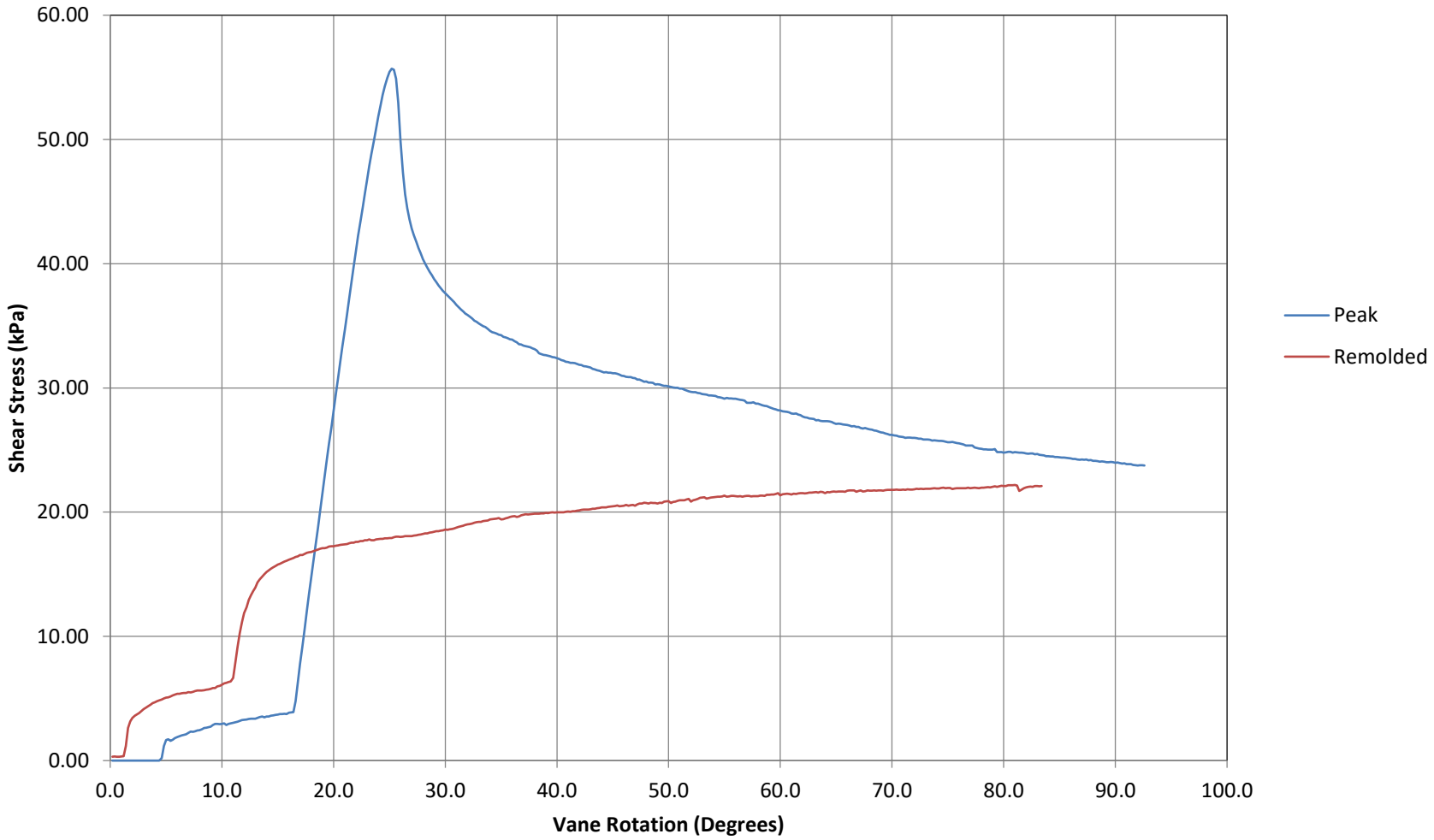


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BD-12

Test Date: 05-Oct-2021 09:01
Test Depth (m): 15.85
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408469
Easting (m): 472953

Vane Shear Test

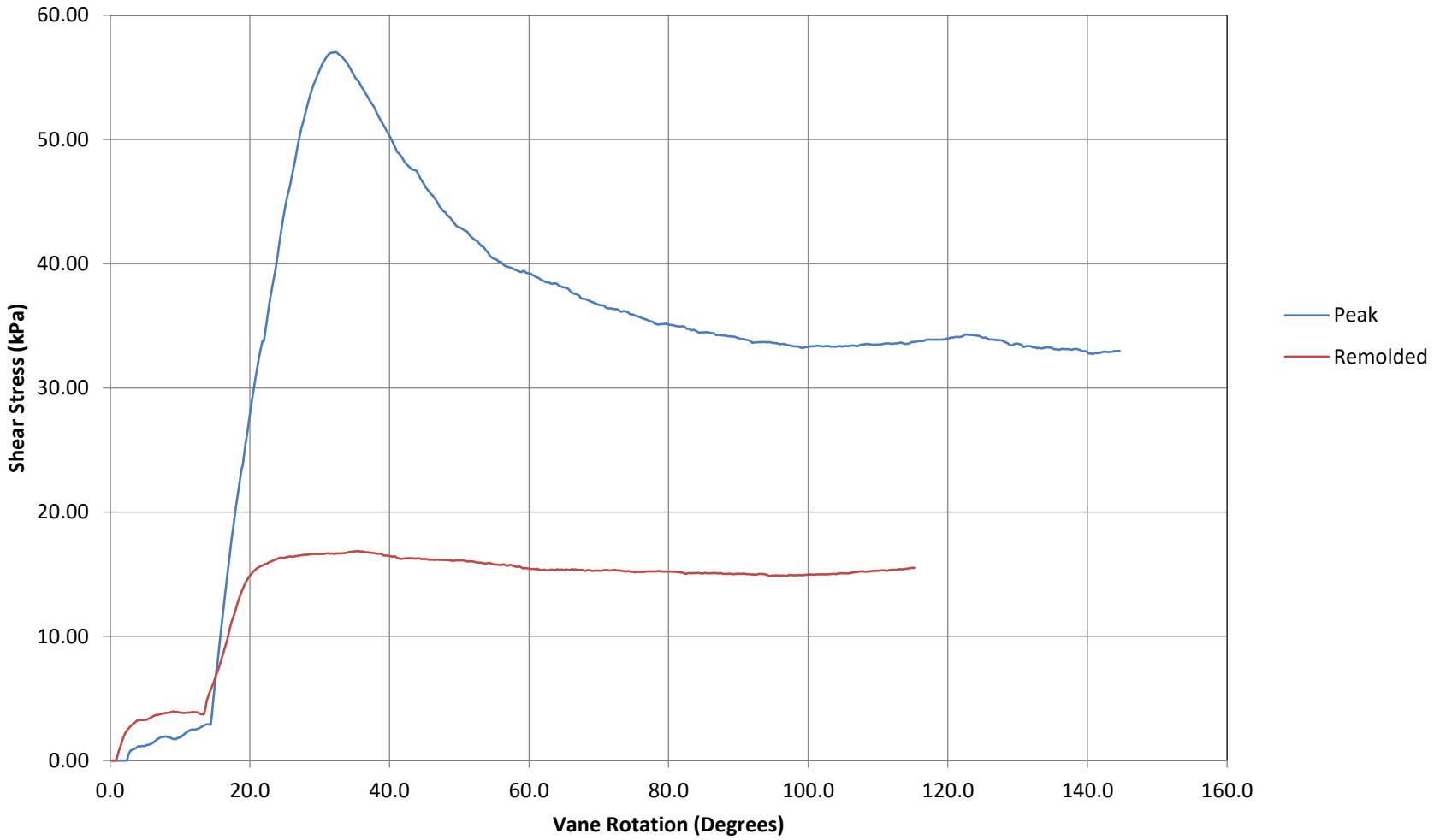


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-01

Test Date: 22-Feb-2022 10:39
Test Depth (m): 3.81
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409526
Easting (m): 472196

Vane Shear Test

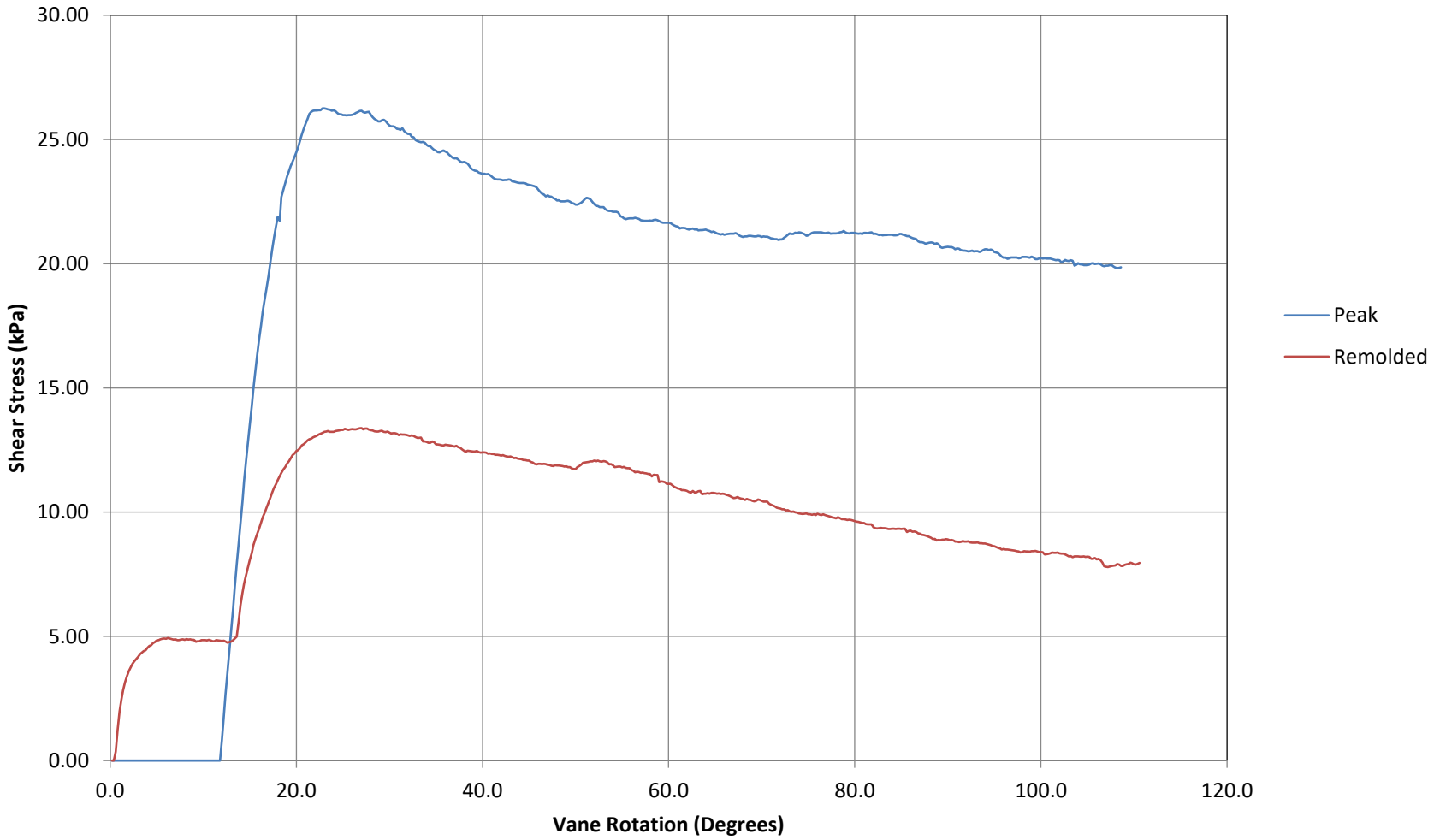


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-01

Test Date: 22-Feb-2022 13:31
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409526
Easting (m): 472196

Vane Shear Test

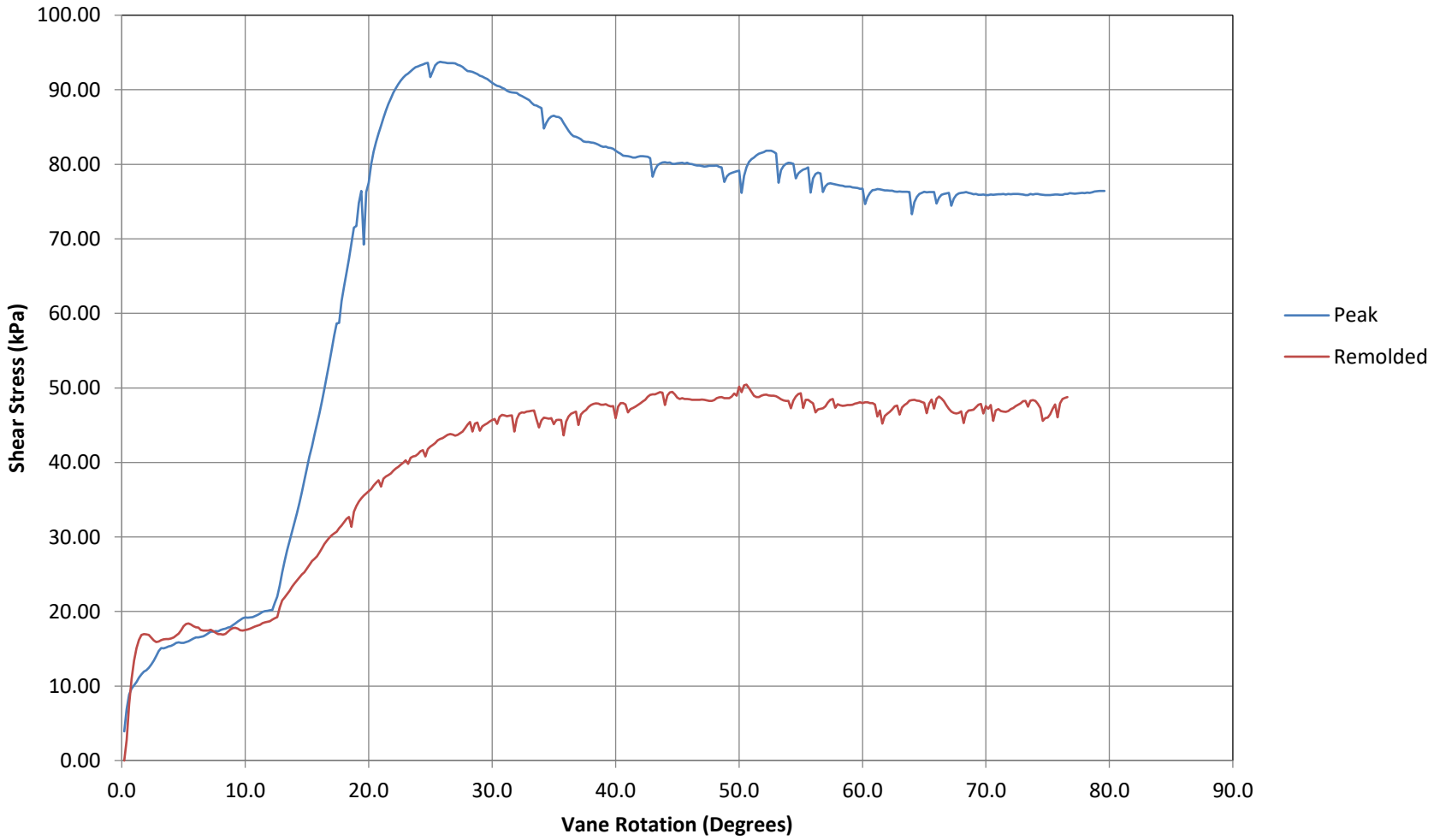


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-02

Test Date: 03-Dec-2021 16:06
Test Depth (m): 8.72
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410248
Easting (m): 473125

Vane Shear Test

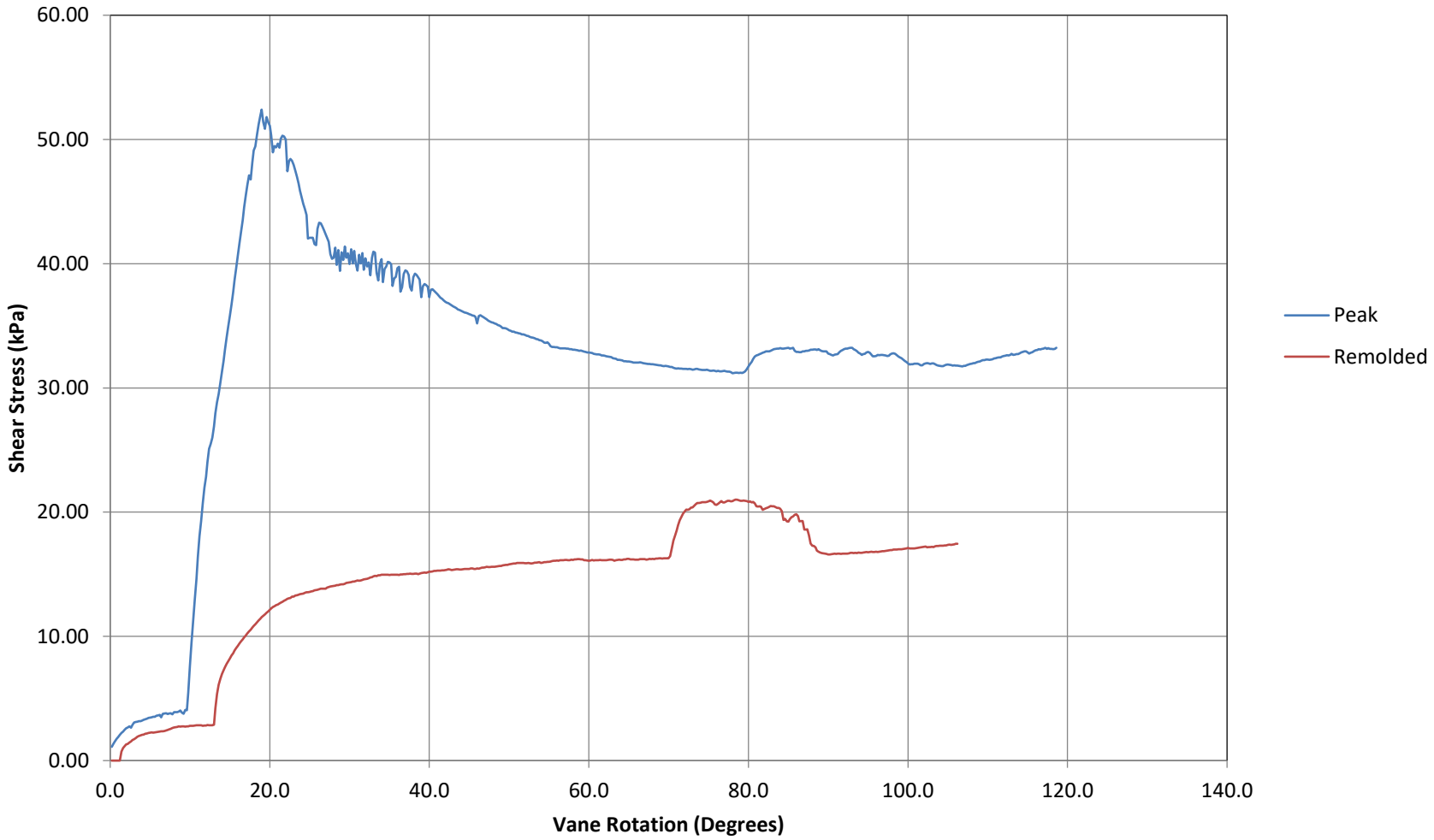


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-02

Test Date: 04-Dec-2021 11:15
Test Depth (m): 13.18
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410248
Easting (m): 473125

Vane Shear Test

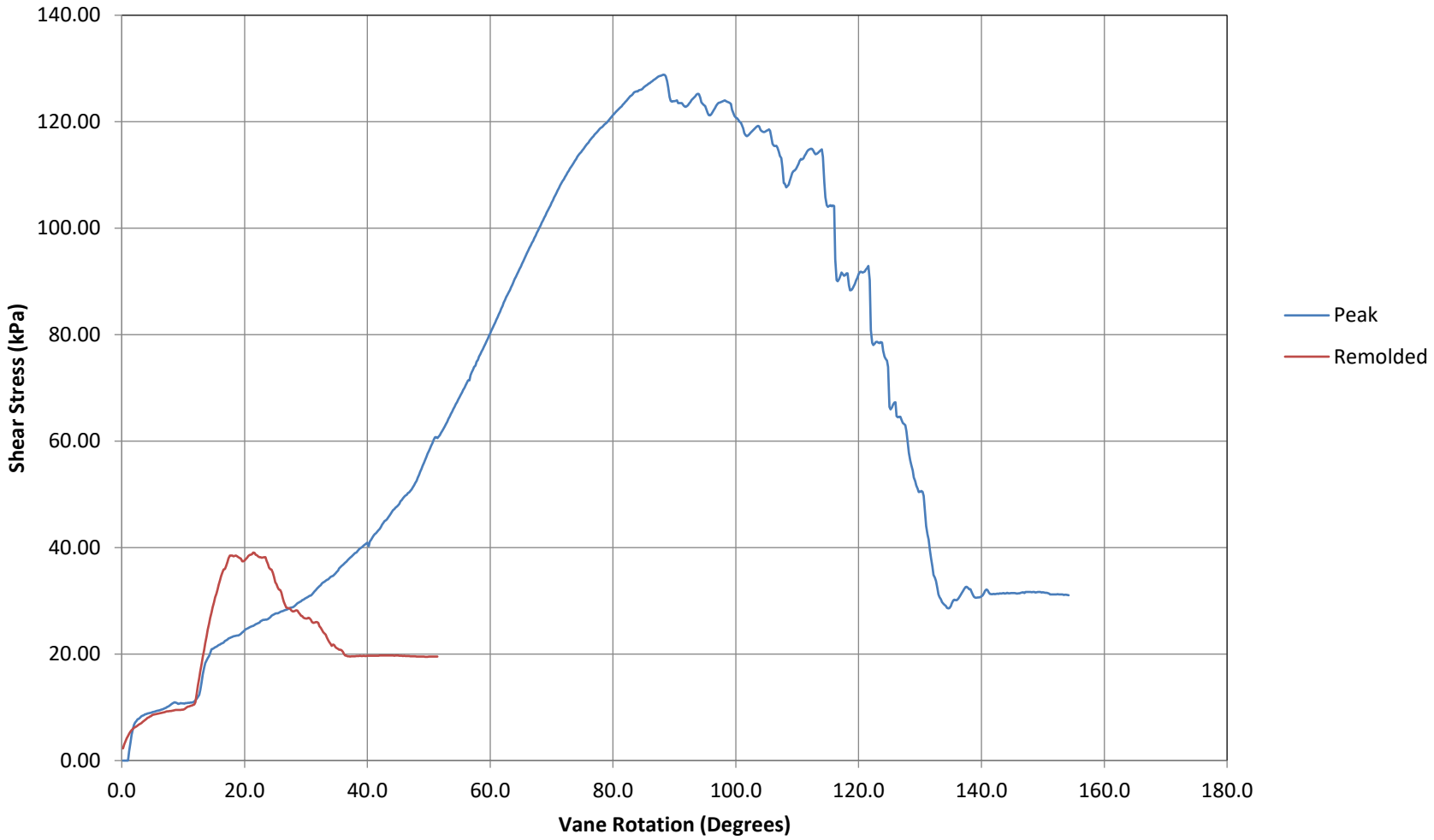


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-03

Test Date: 04-Jan-2022 16:54
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410433
Easting (m): 473837

Vane Shear Test

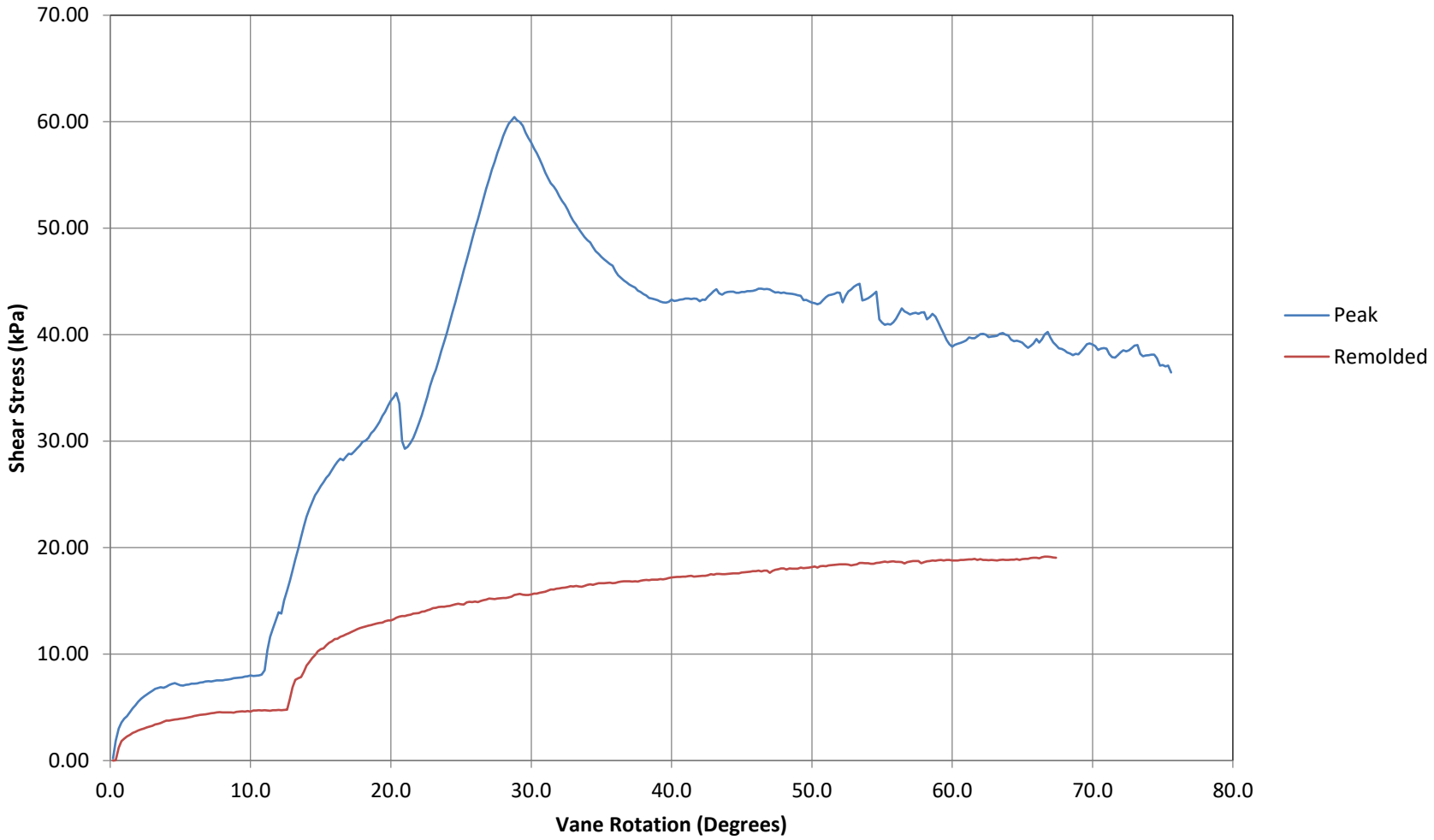


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-03

Test Date: 05-Jan-2022 10:58
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410433
Easting (m): 473837

Vane Shear Test

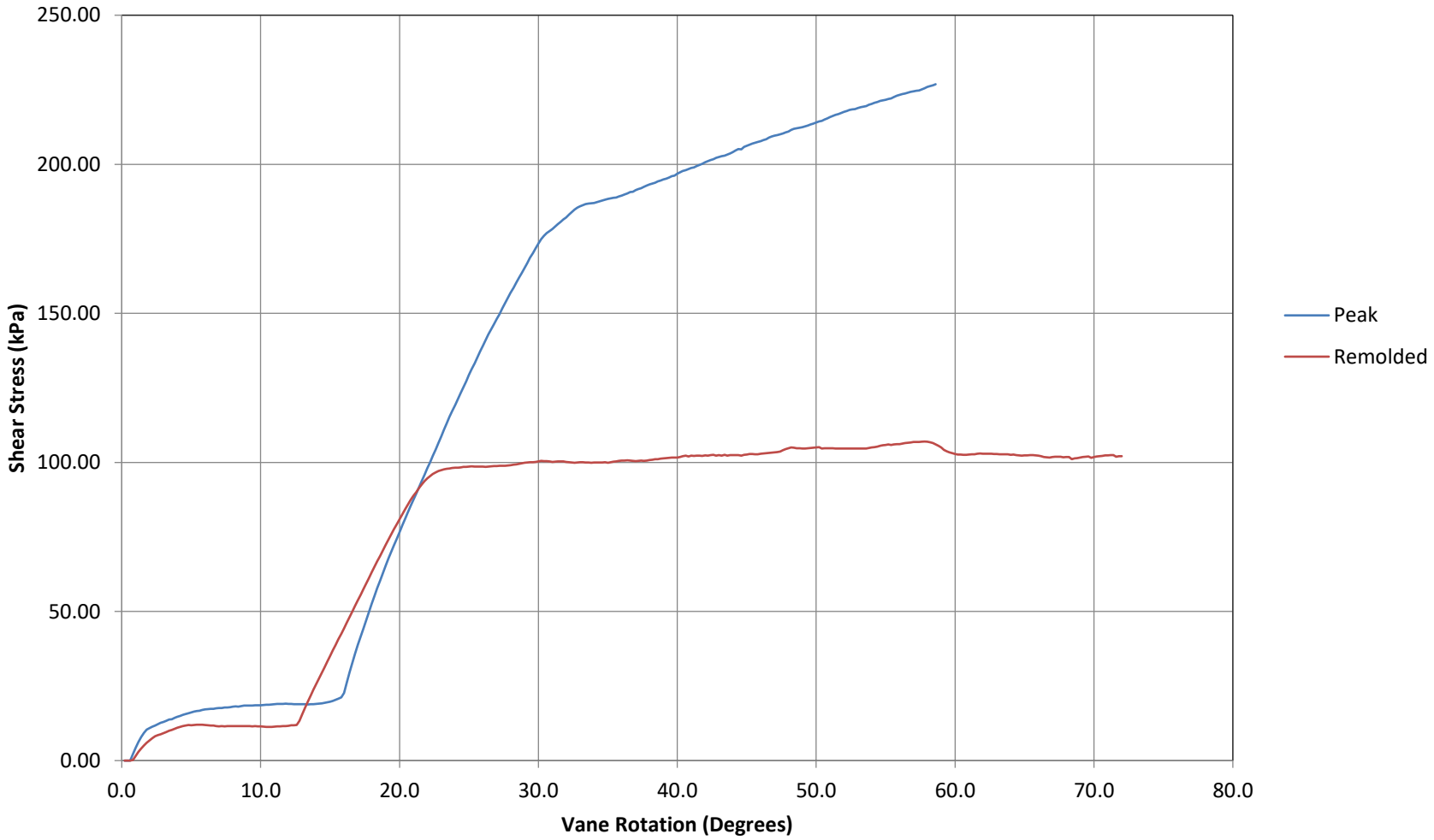


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-04

Test Date: 18-Nov-2021 13:19
Test Depth (m): 3.66
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410196
Easting (m): 474519

Vane Shear Test

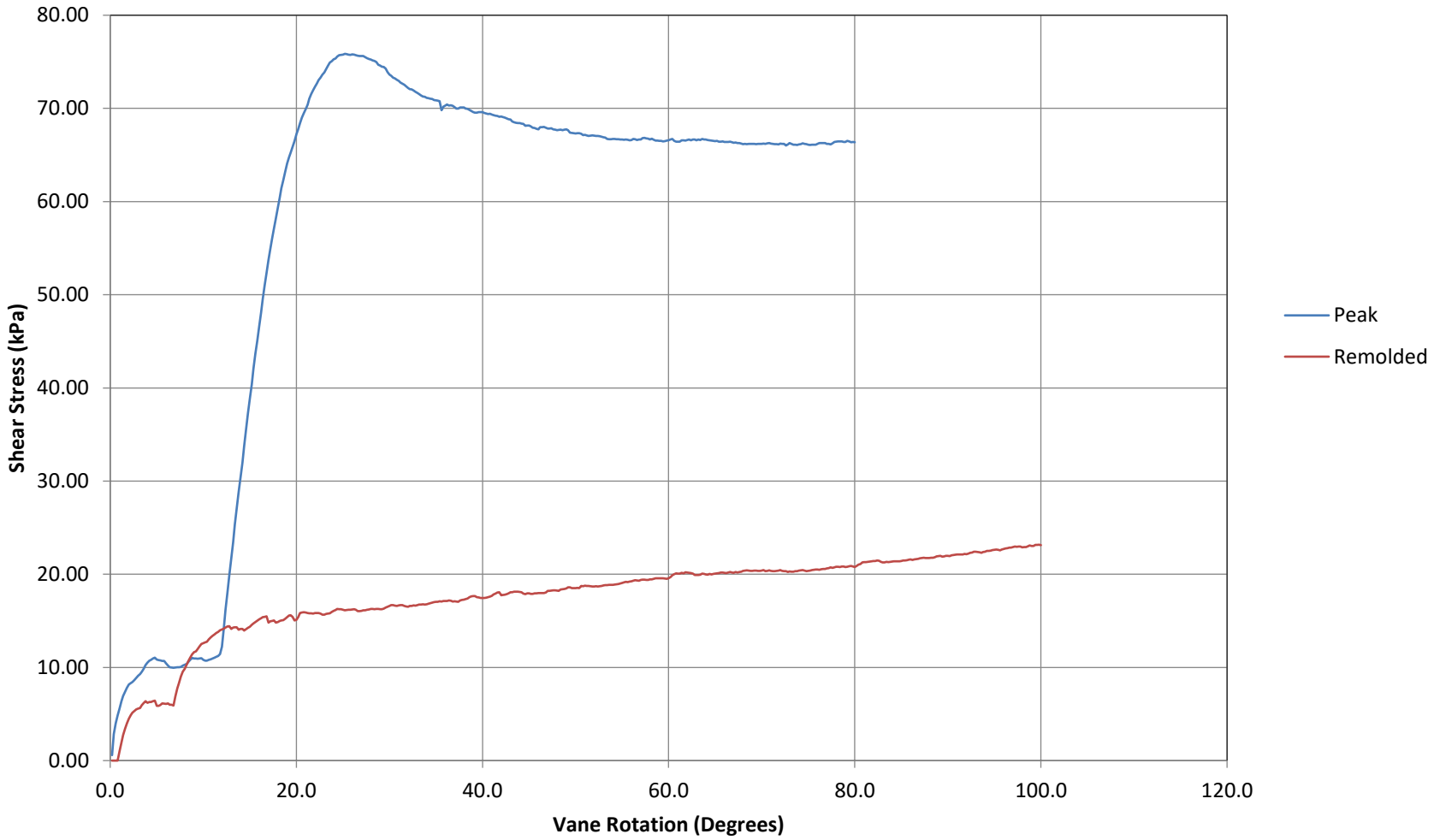


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-04

Test Date: 18-Nov-2021 15:24
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410196
Easting (m): 474519

Vane Shear Test

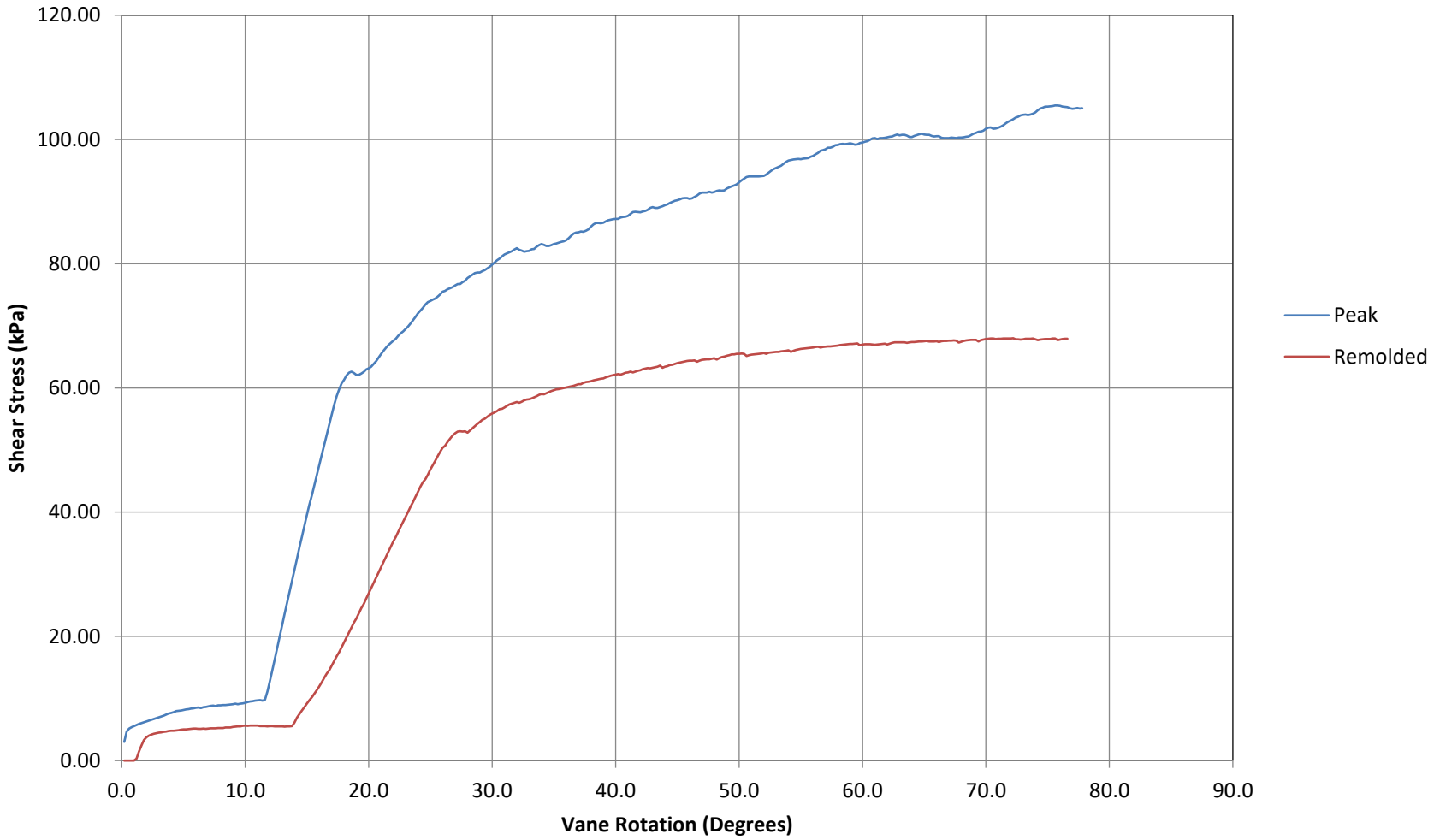


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-07

Test Date: 11-Oct-2021 15:43
Test Depth (m): 28.35
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408406
Easting (m): 474644

Vane Shear Test

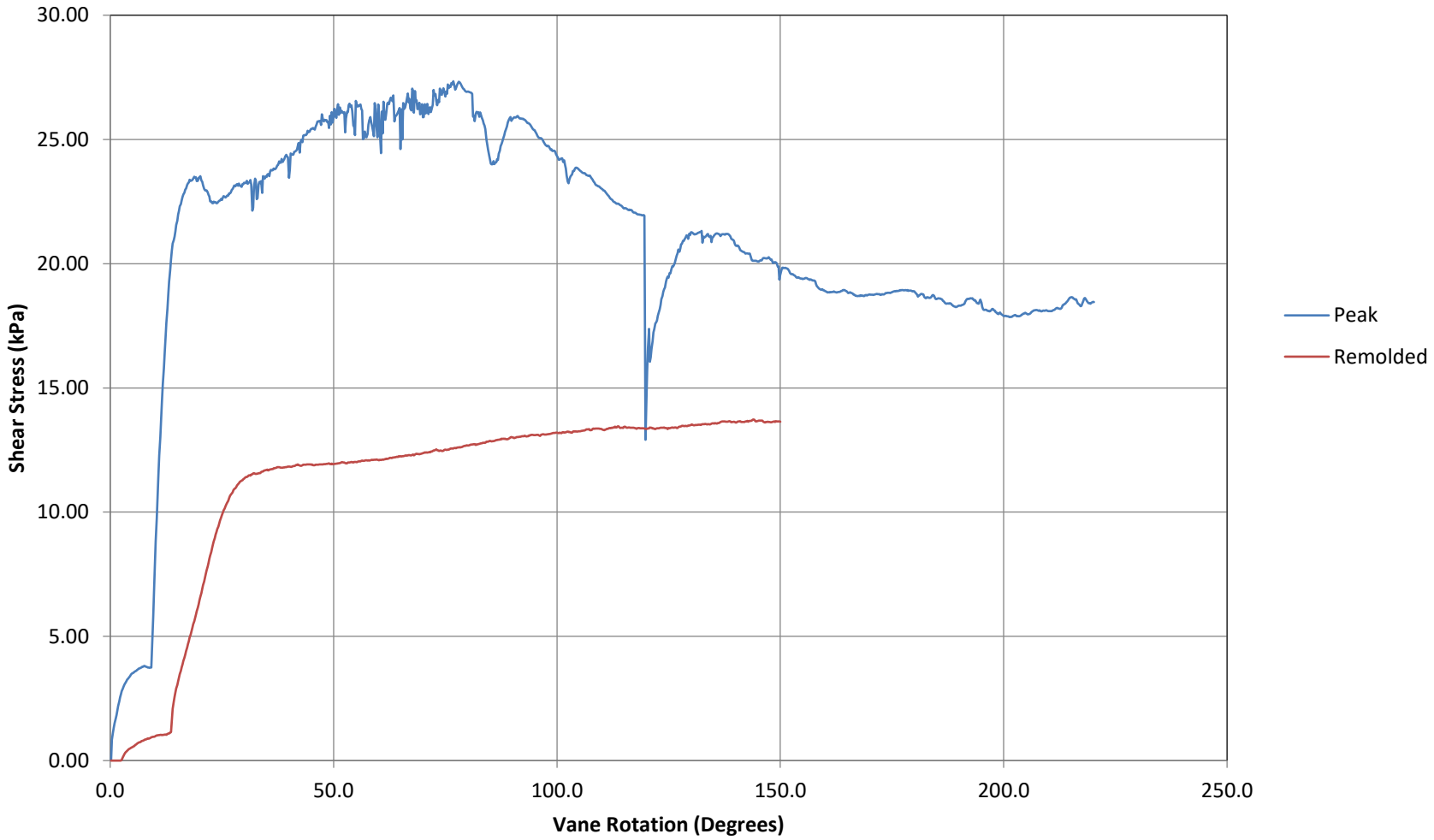


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-08

Test Date: 13-Feb-2022 12:31
Test Depth (m): 3.35
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407864
Easting (m): 474060

Vane Shear Test

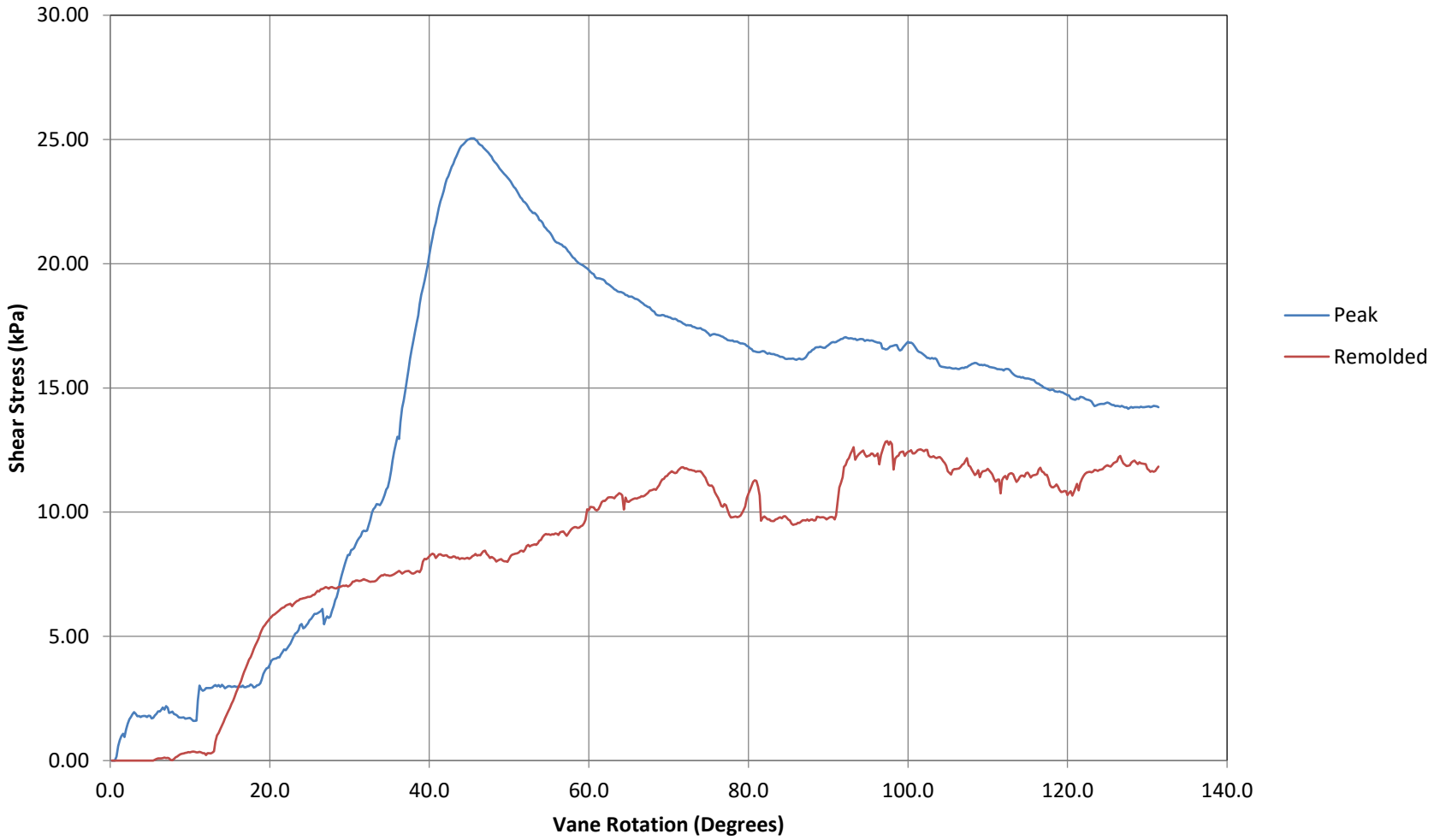


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-08

Test Date: 13-Feb-2022 15:29
Test Depth (m): 6.40
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407864
Easting (m): 474060

Vane Shear Test

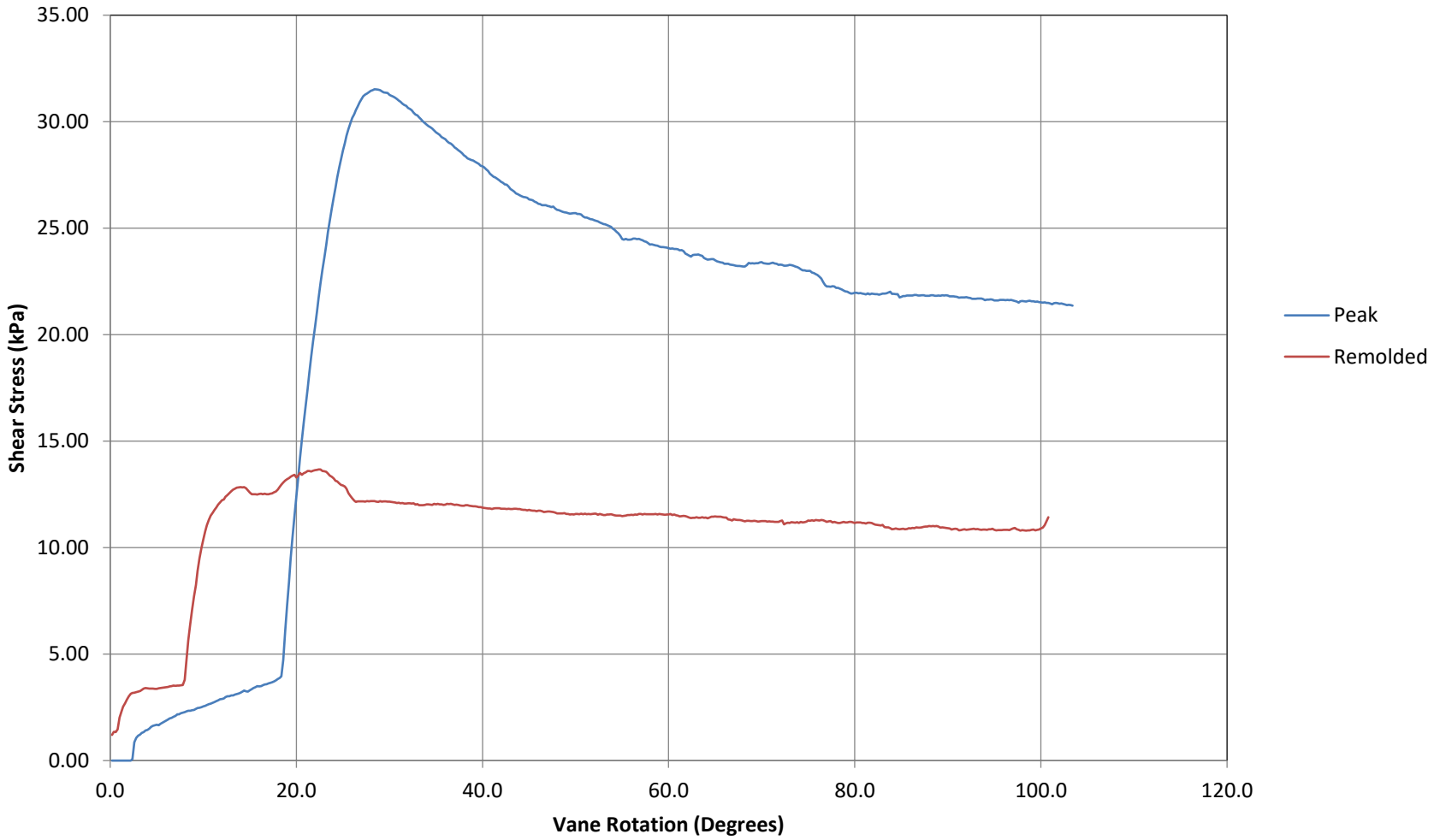


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-09

Test Date: 04-Nov-2021 09:32
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407942
Easting (m): 472910

Vane Shear Test

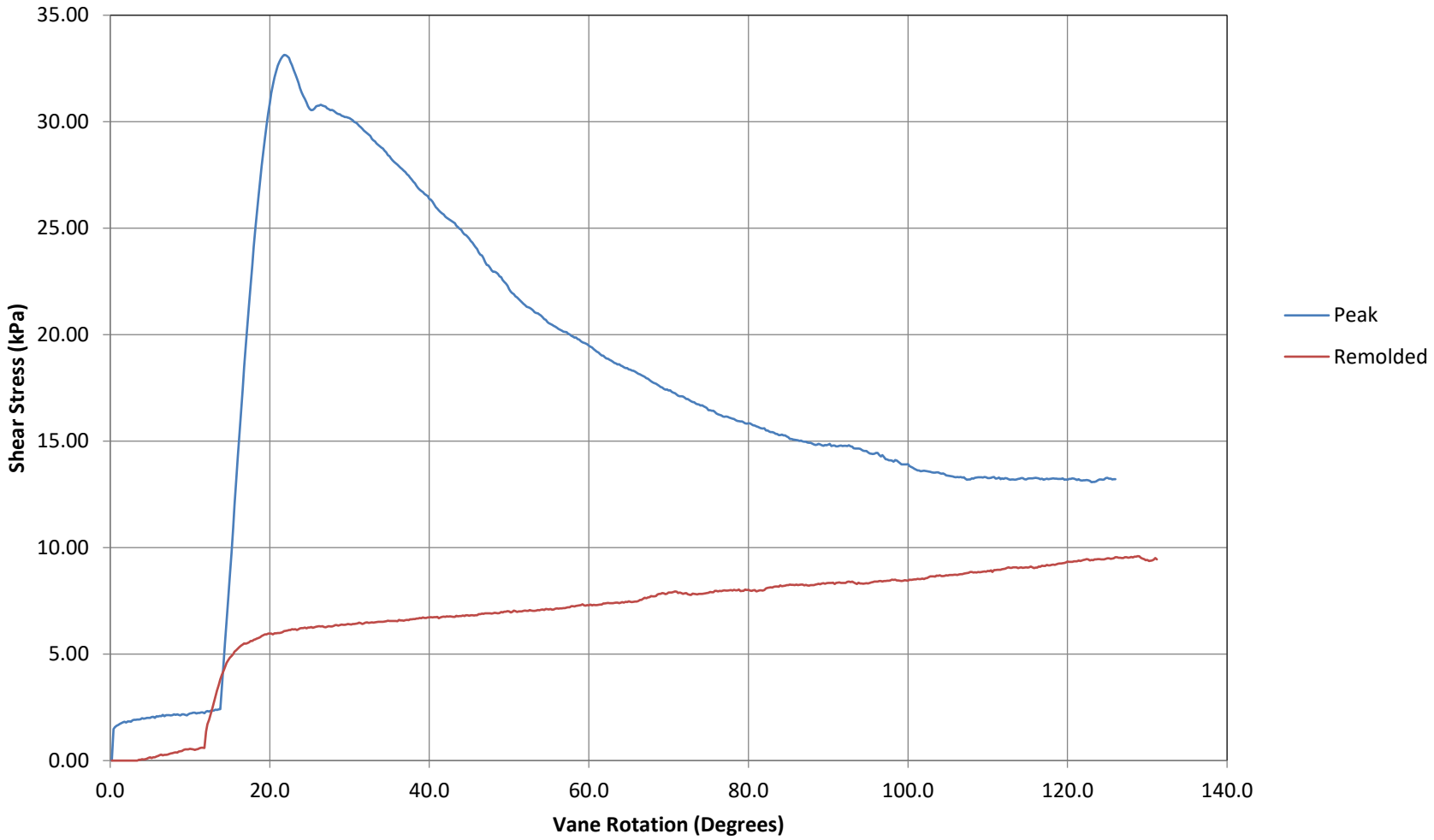


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-09

Test Date: 04-Nov-2021 11:48
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407942
Easting (m): 472910

Vane Shear Test



Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-10

Test Date: 24-Feb-2022 03:15
Test Depth (m): 12.50
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408040
Easting (m): 472345

Vane Shear Test

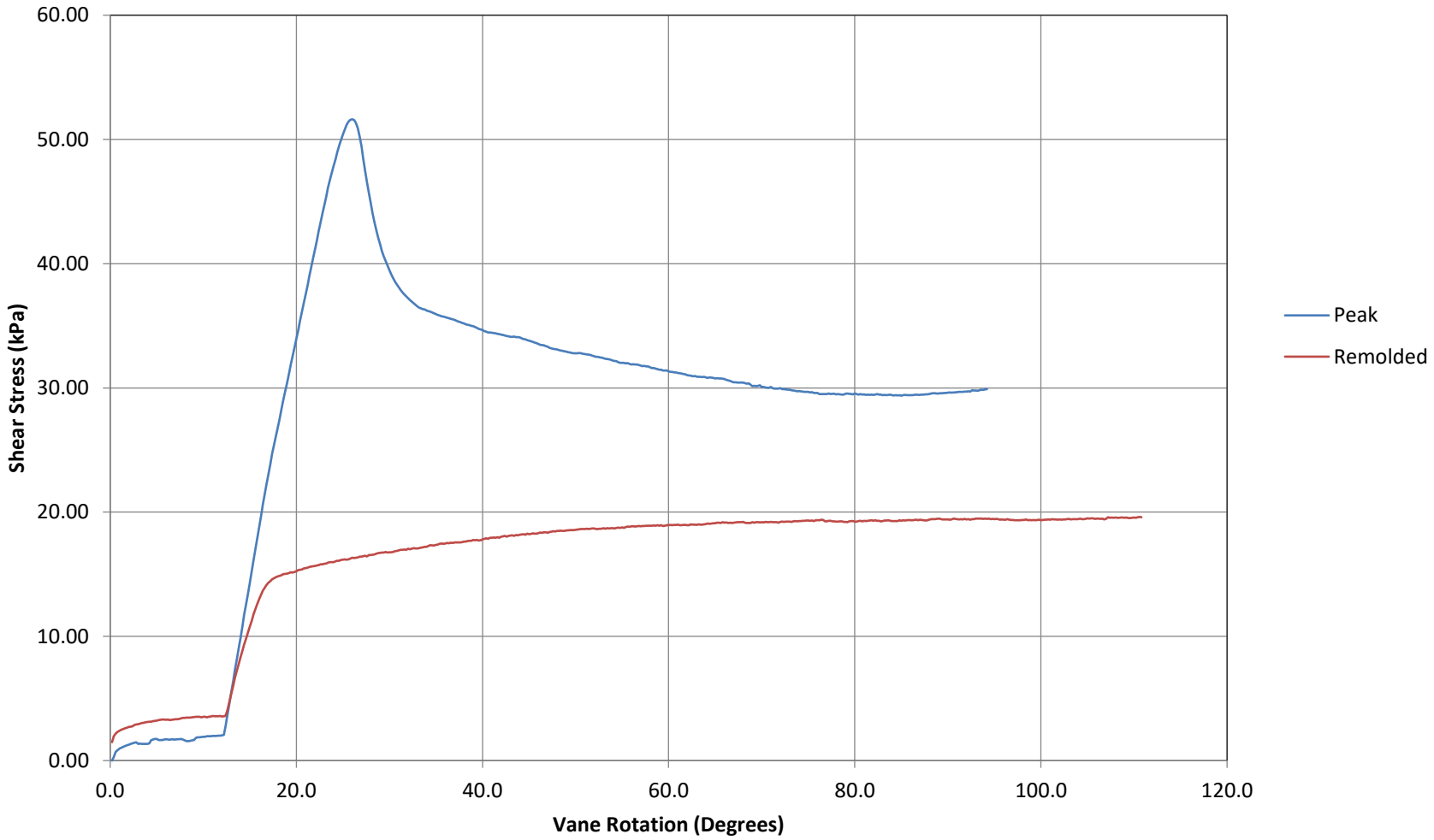


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-10

Test Date: 24-Feb-2022 10:39
Test Depth (m): 16.61
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408040
Easting (m): 472345

Vane Shear Test

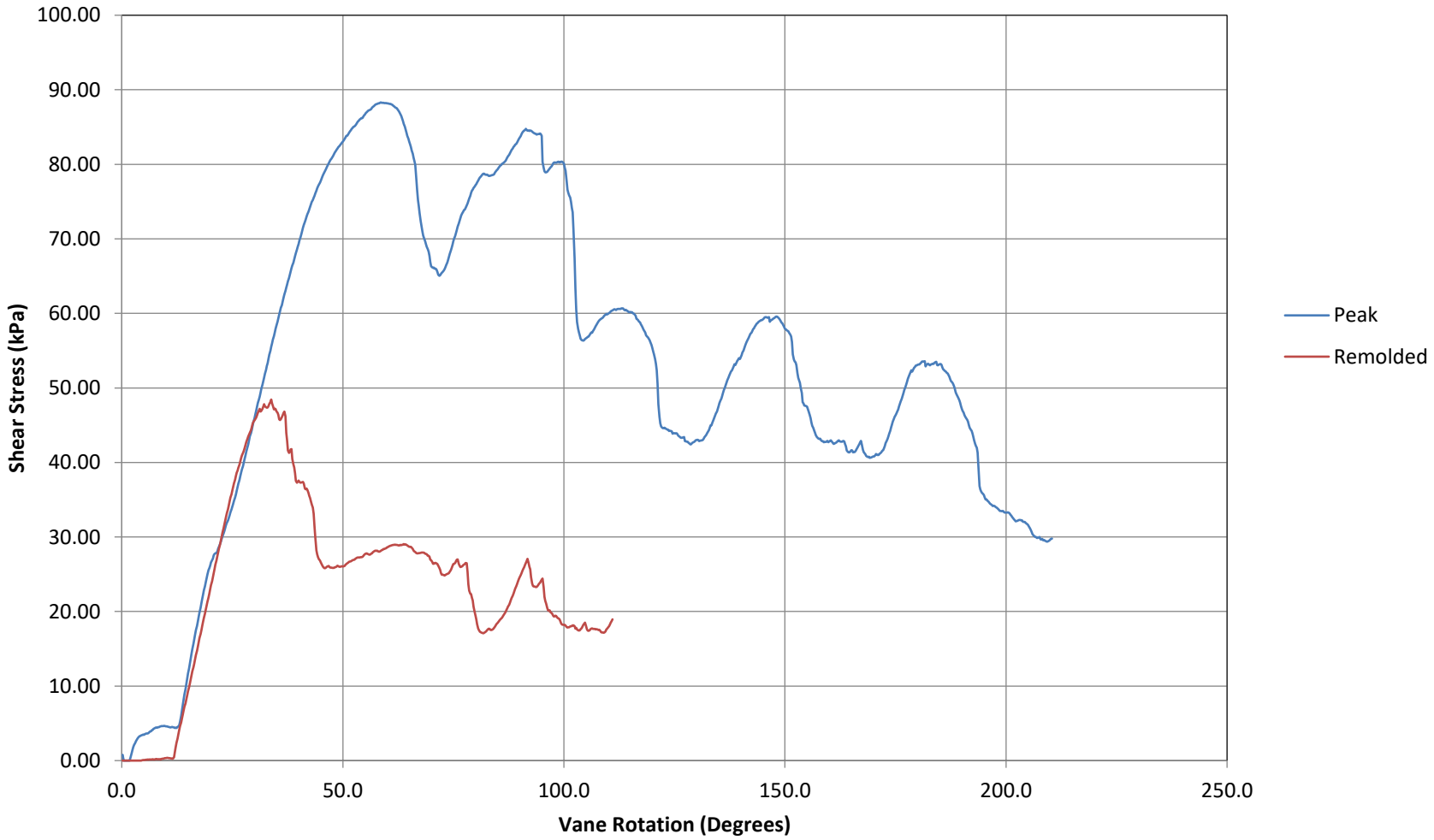


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-OP-BH-10

Test Date: 24-Feb-2022 13:42
Test Depth (m): 21.64
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408040
Easting (m): 472345

Vane Shear Test

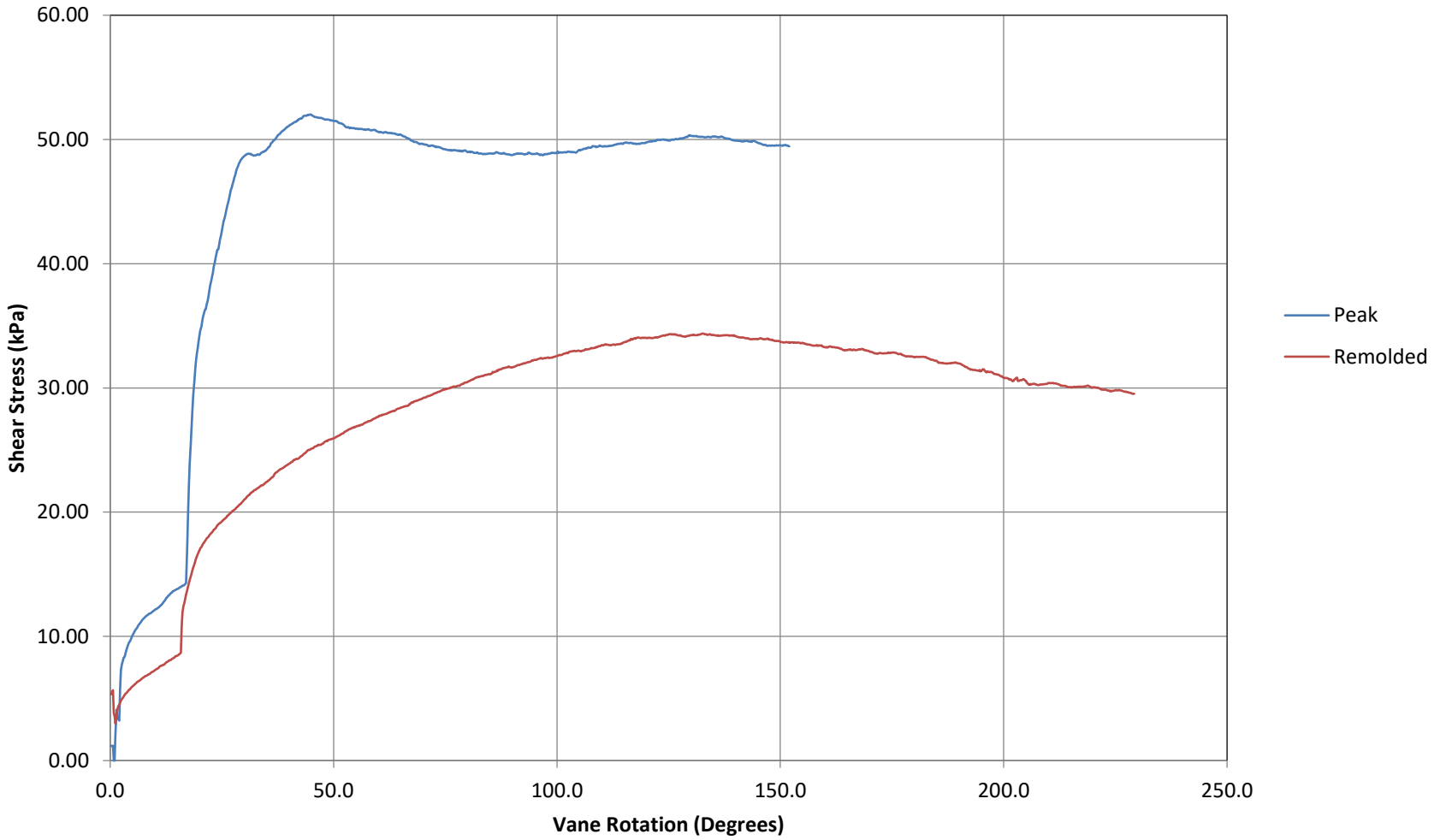


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-PF-BH-02

Test Date: 13-Nov-2021 10:09
Test Depth (m): 2.94
Vane Type: Double tapered 45 x 90 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407776
Easting (m): 470629

Vane Shear Test

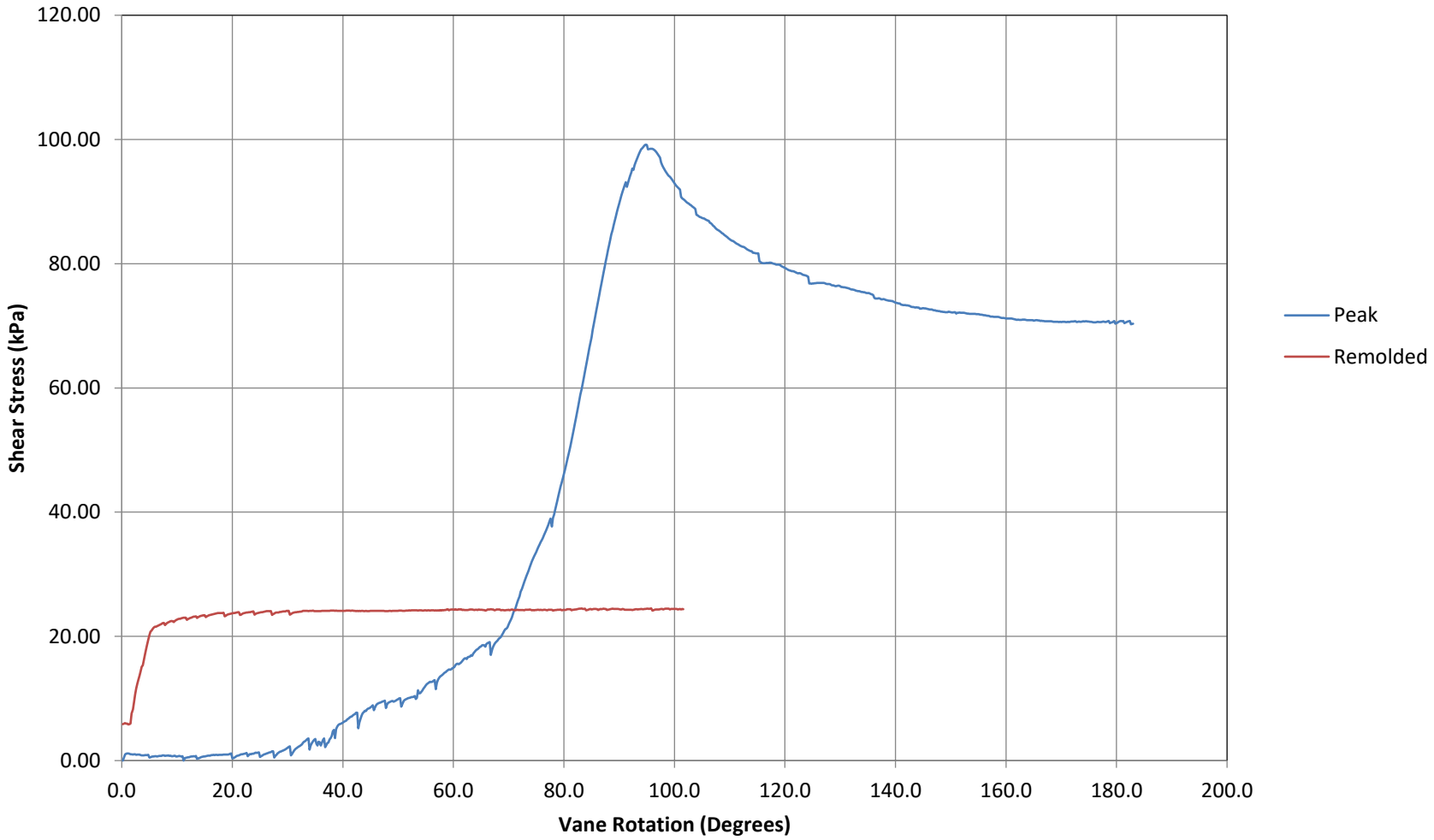


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-PF-BH-02

Test Date: 13-Nov-2021 13:25
Test Depth (m): 6.58
Vane Type: Double tapered 55 x 110 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407776
Easting (m): 470629

Vane Shear Test

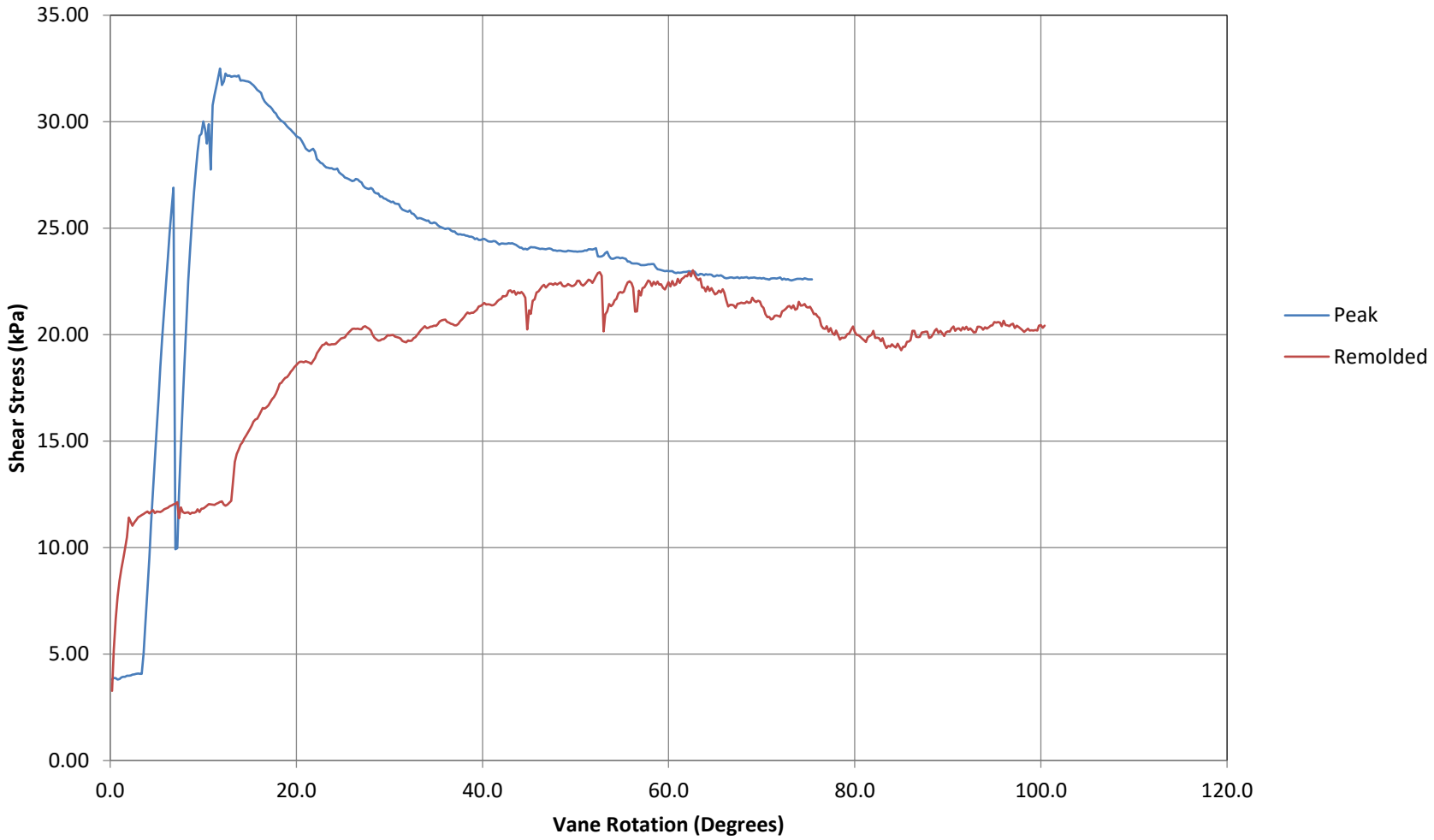


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-PF-BH-03

Test Date: 08-Mar-2022 15:09
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409124
Easting (m): 470715

Vane Shear Test

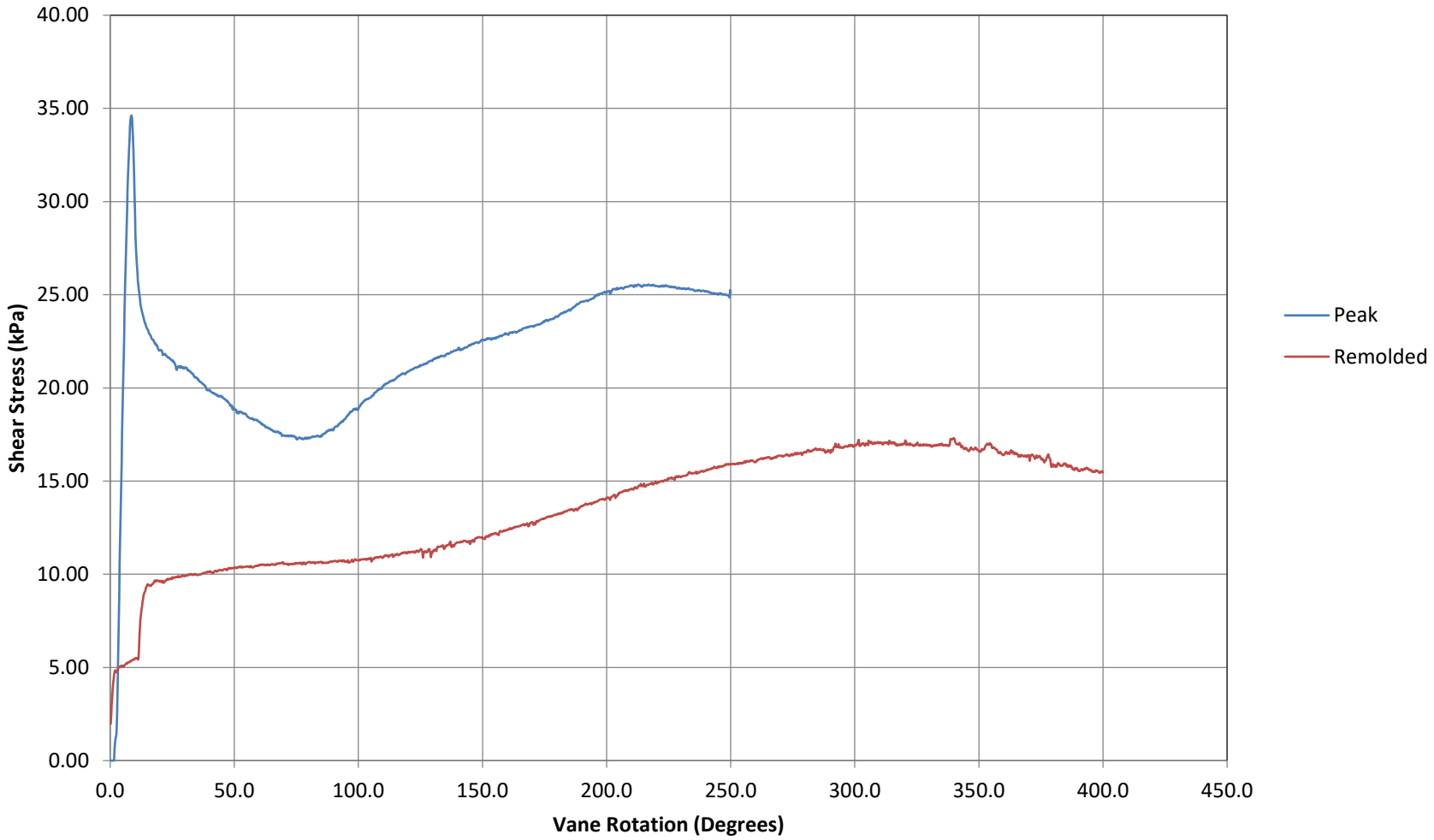


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-PF-BH-03

Test Date: 08-Mar-2022 20:35
Test Depth (m): 12.95
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409124
Easting (m): 470715

Vane Shear Test

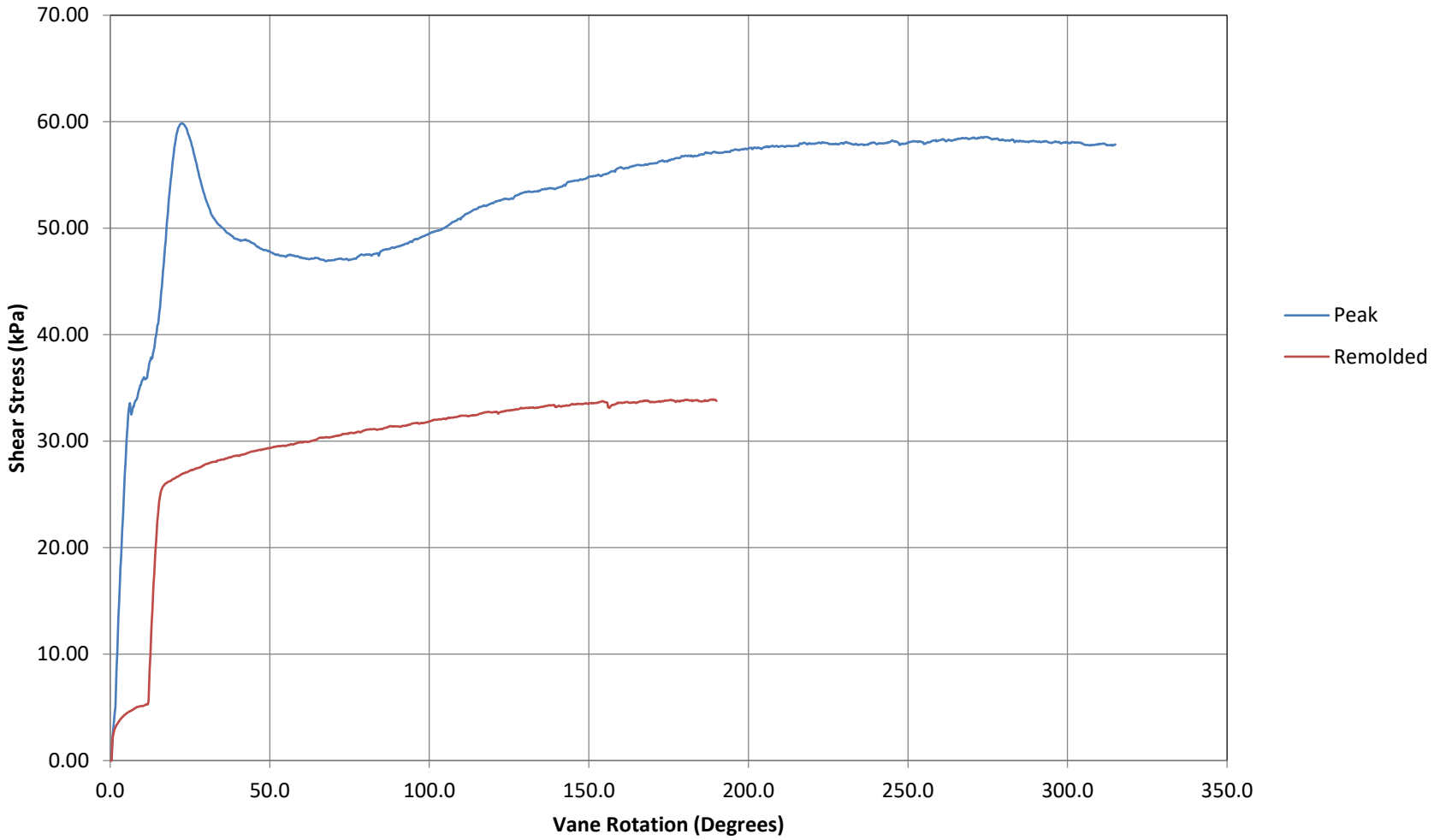


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-PF-BH-03

Test Date: 09-Mar-2022 02:17
Test Depth (m): 18.90
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409124
Easting (m): 470715

Vane Shear Test

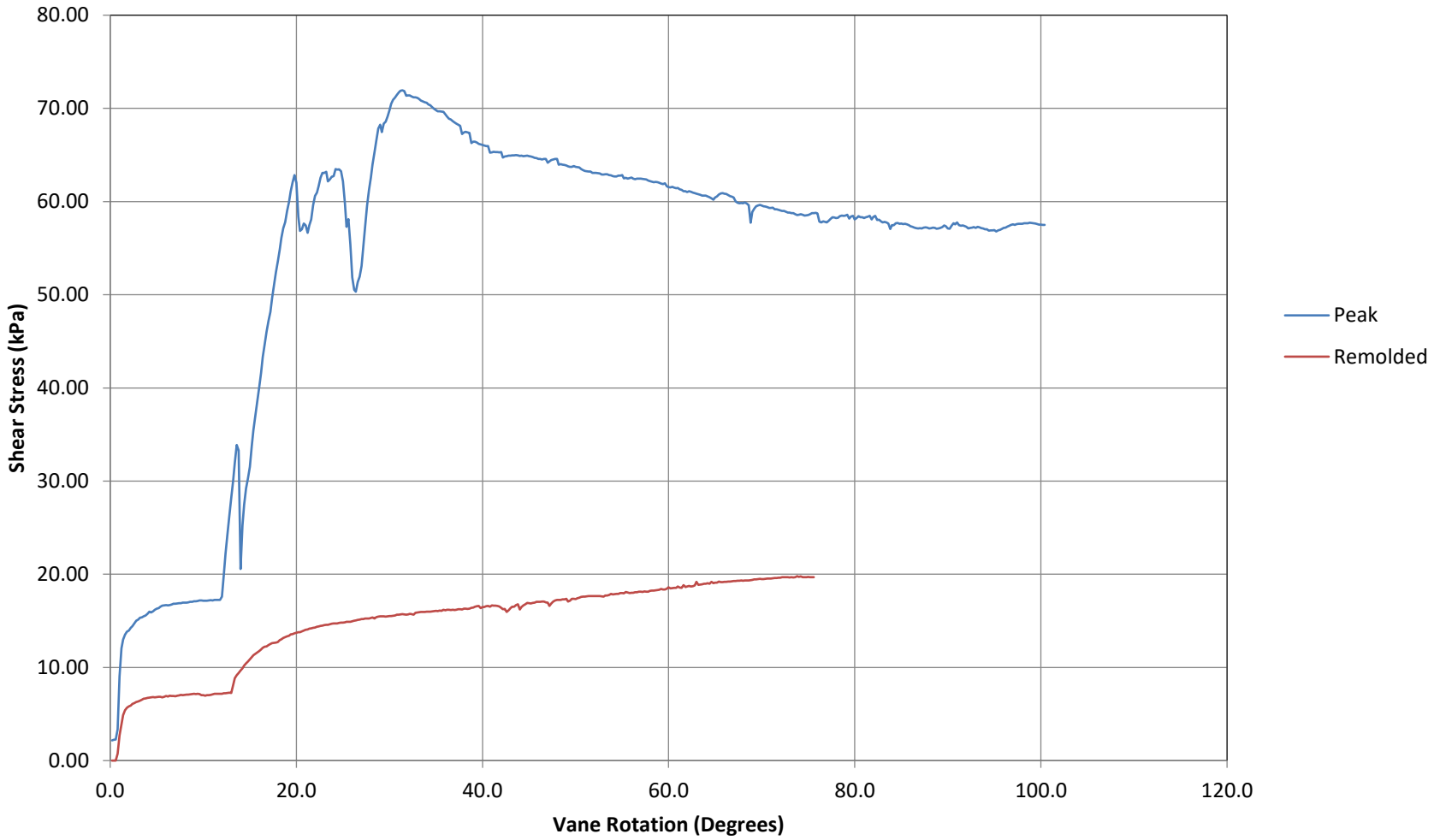


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-PF-BH-04

Test Date: 12-Dec-2021 13:44
Test Depth (m): 8.23
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409119
Easting (m): 469800

Vane Shear Test

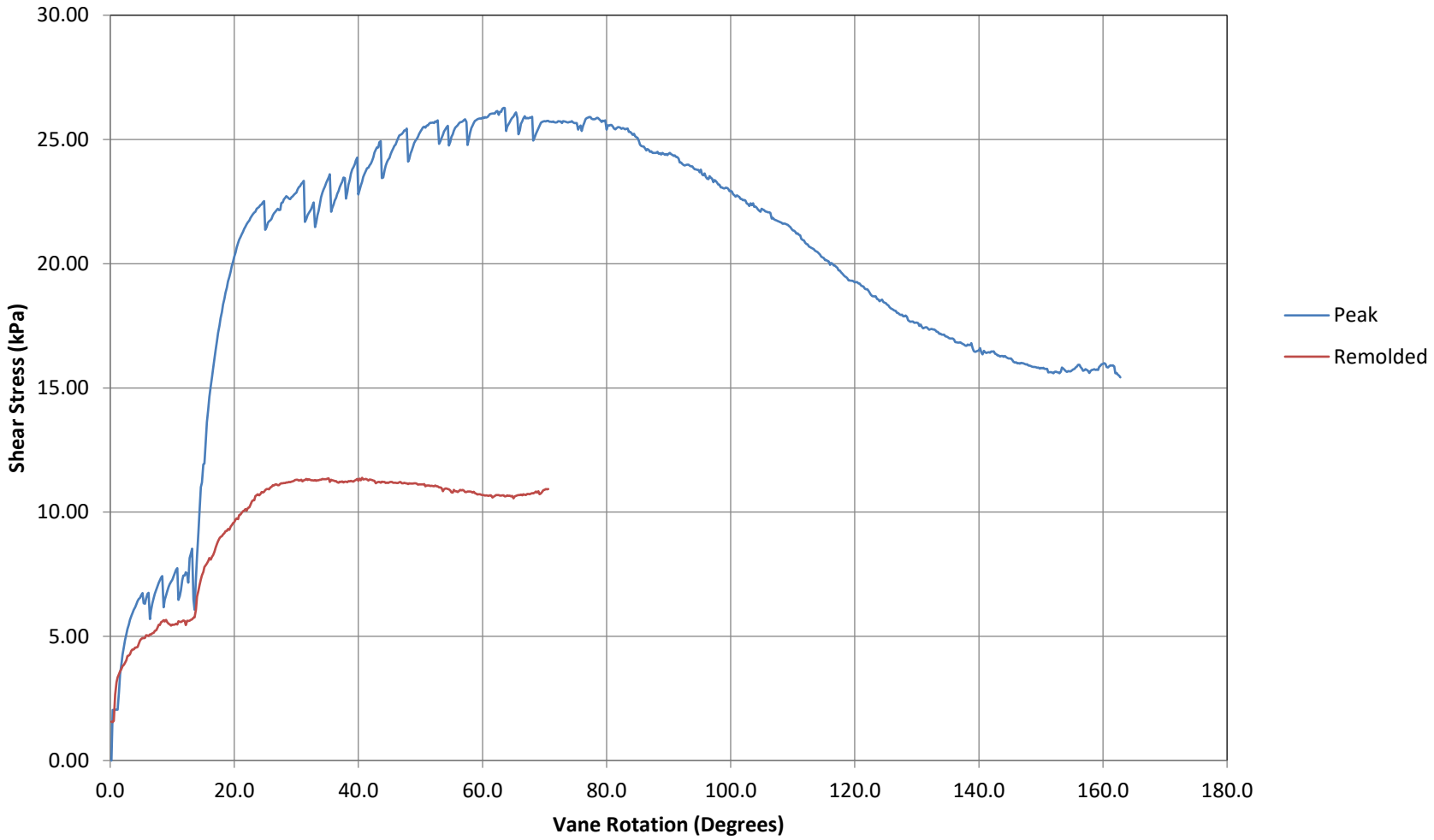


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-01

Test Date: 16-Oct-2021 08:31
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407690
Easting (m): 472804

Vane Shear Test

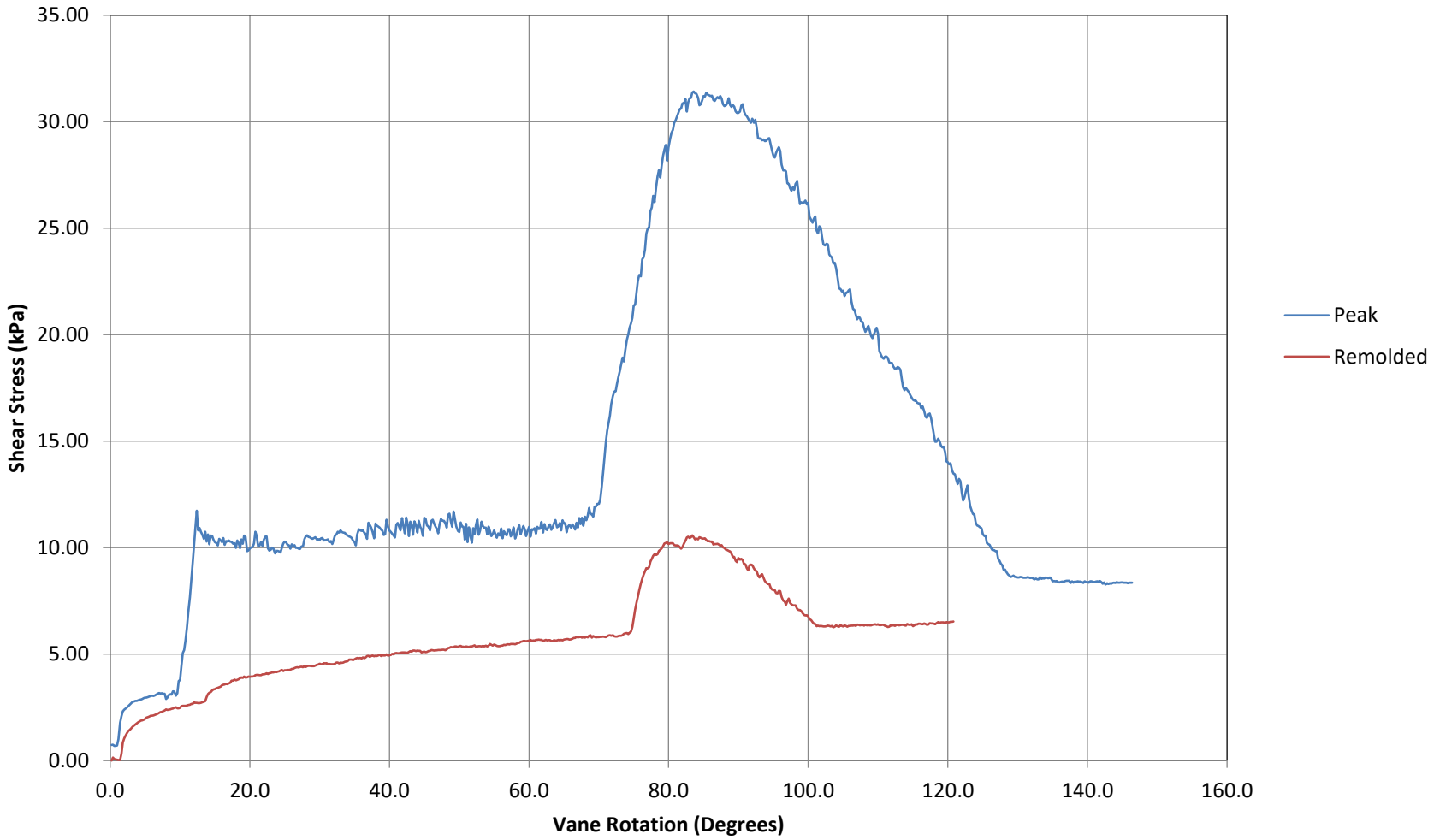


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-01

Test Date: 16-Oct-2021 10:38
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407690
Easting (m): 472804

Vane Shear Test

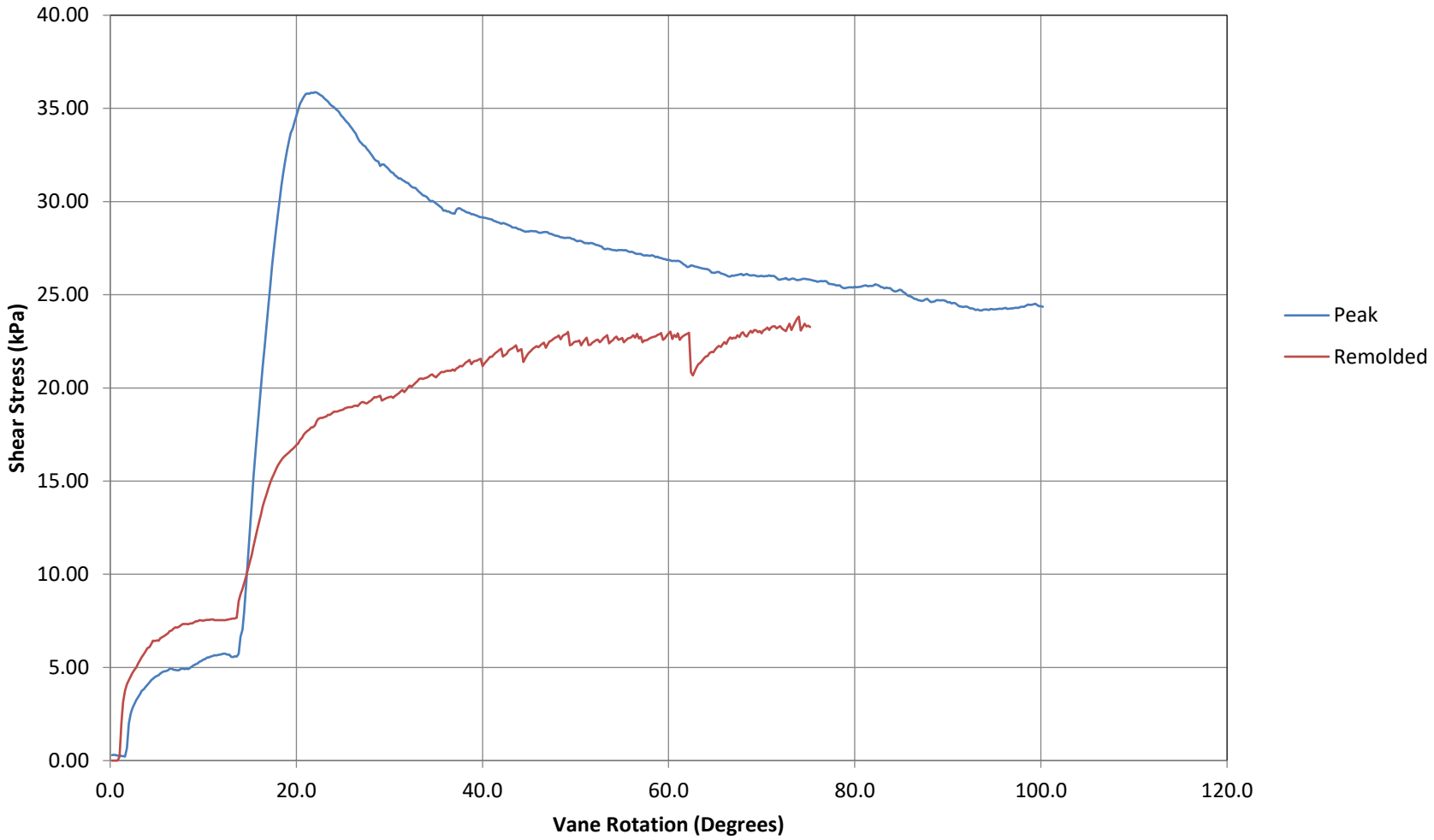


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-02

Test Date: 15-Mar-2022 15:47
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407567
Easting (m): 473551

Vane Shear Test

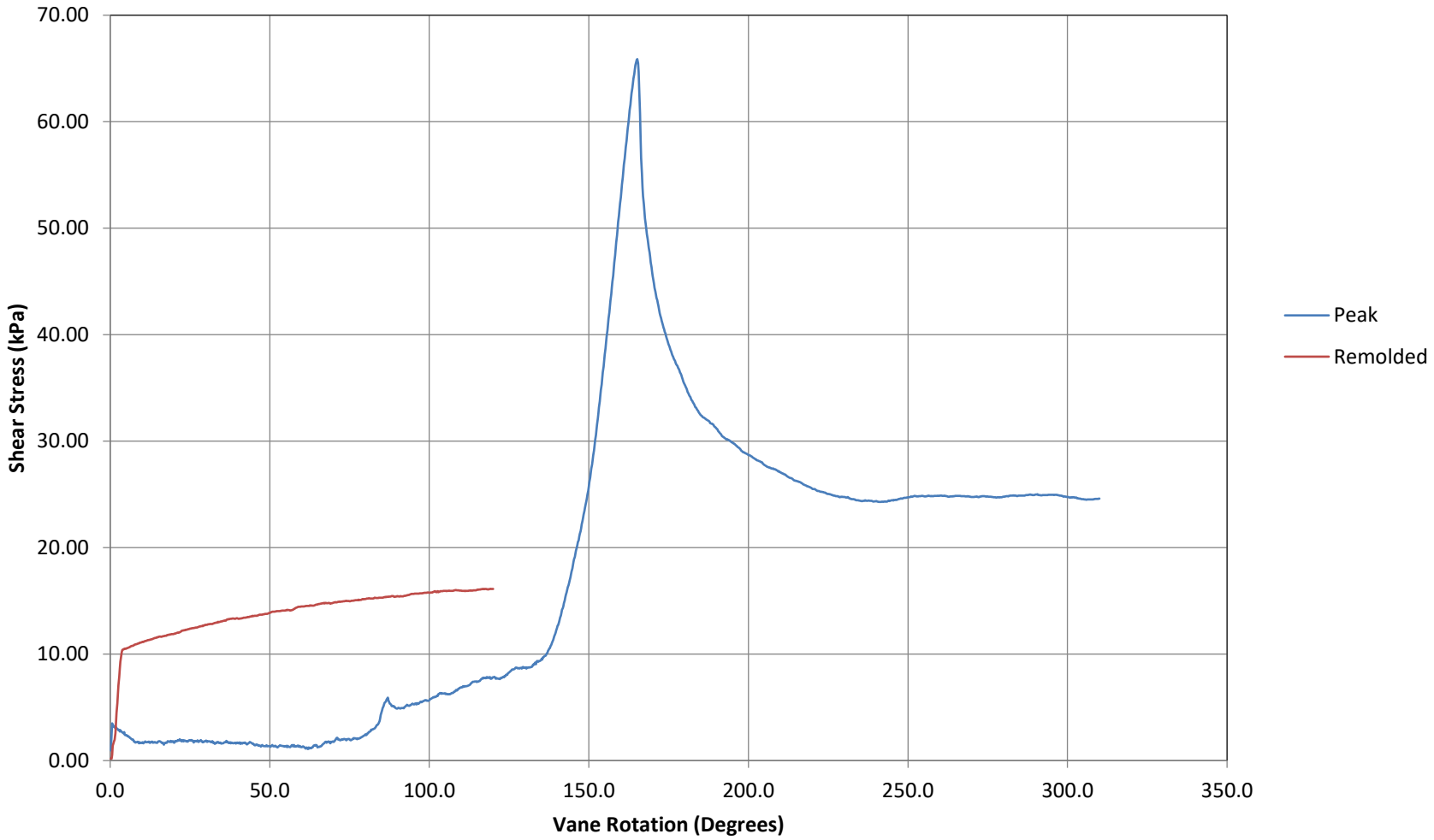


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-02

Test Date: 15-Mar-2022 21:35
Test Depth (m): 14.30
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407567
Easting (m): 473551

Vane Shear Test

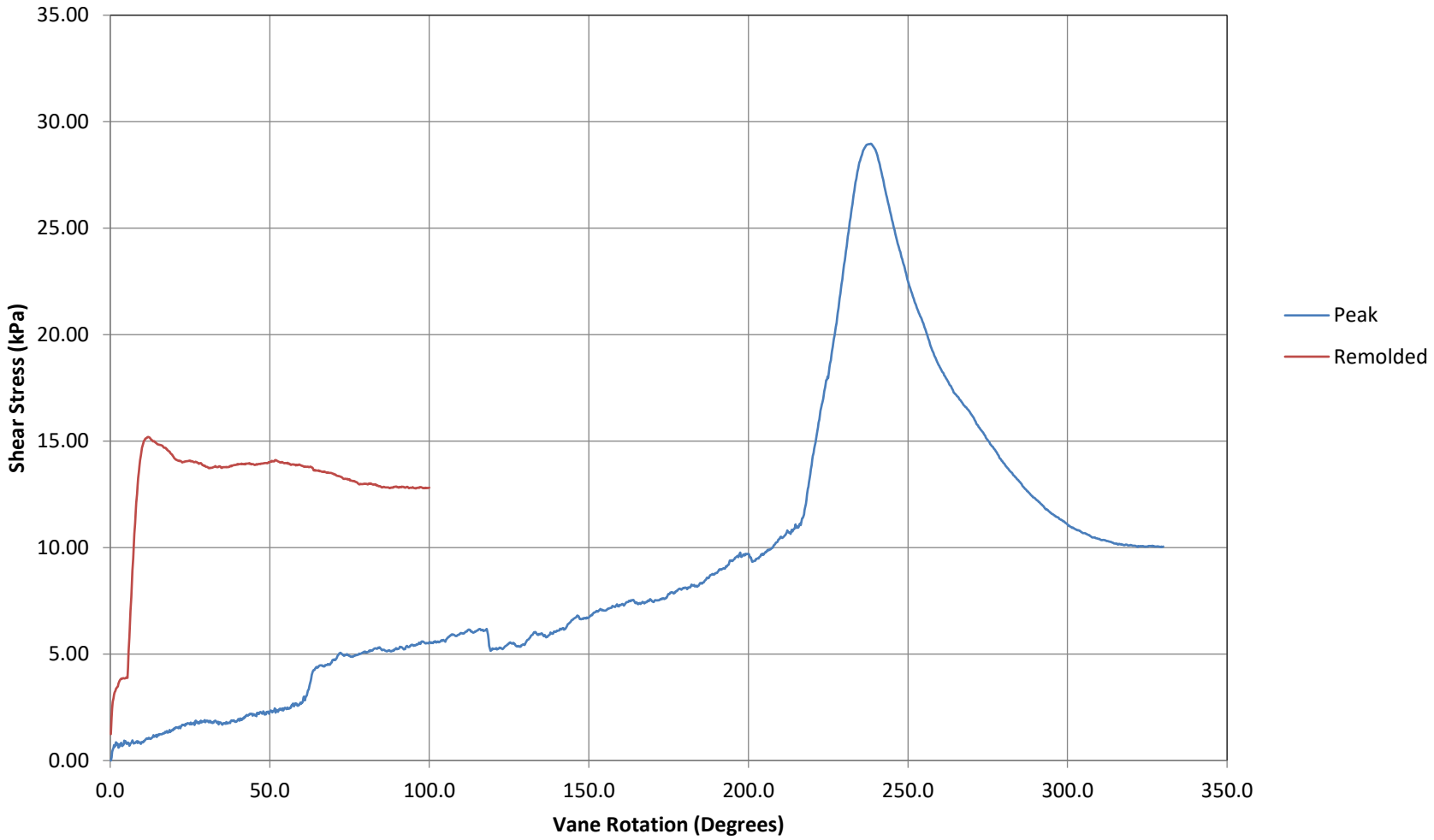


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-02

Test Date: 16-Mar-2022 00:54
Test Depth (m): 19.50
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407567
Easting (m): 473551

Vane Shear Test

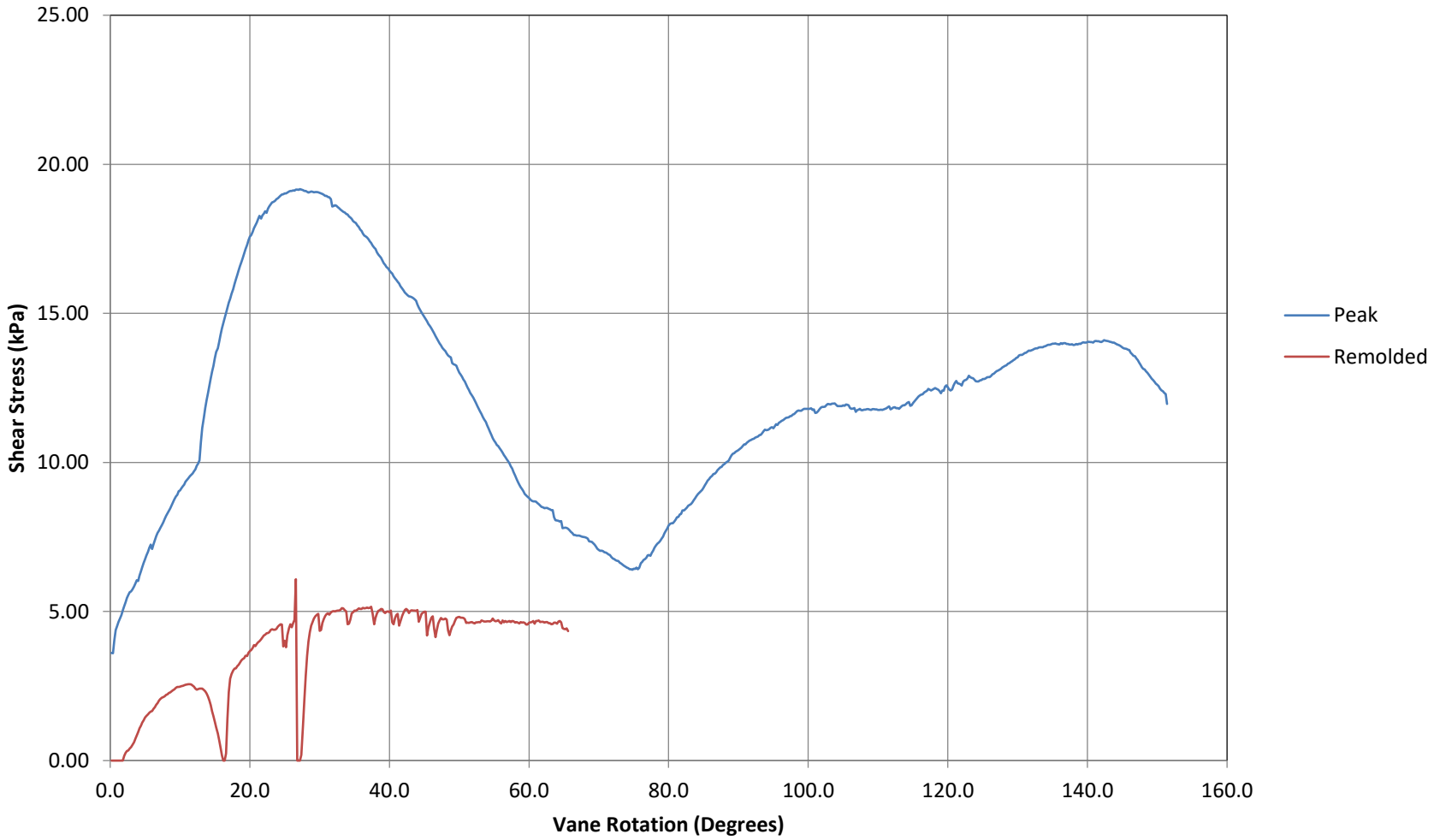


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-05

Test Date: 14-Oct-2021 09:26
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407106
Easting (m): 472872

Vane Shear Test

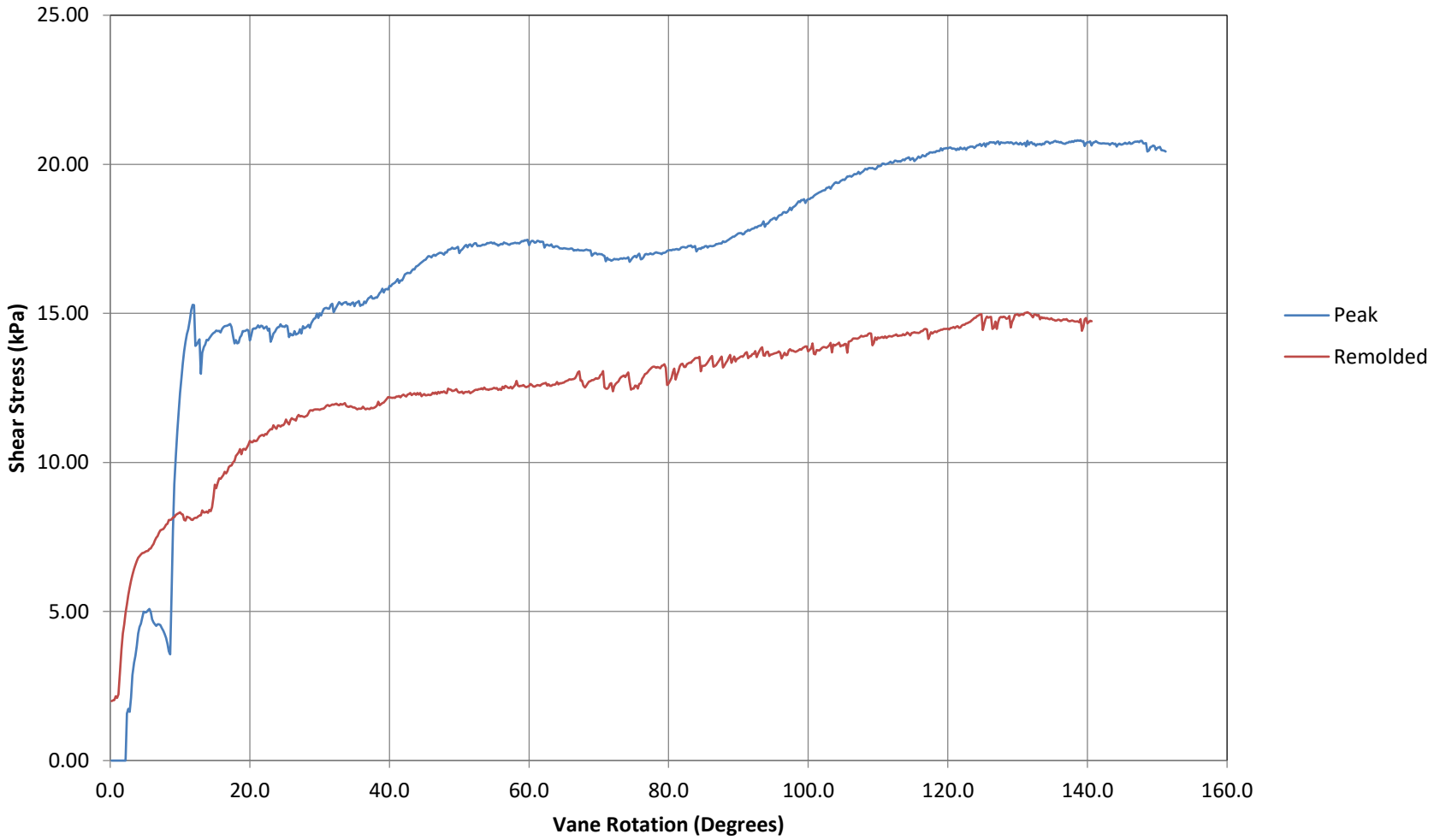


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-05

Test Date: 14-Oct-2021 11:50
Test Depth (m): 14.32
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407106
Easting (m): 472872

Vane Shear Test

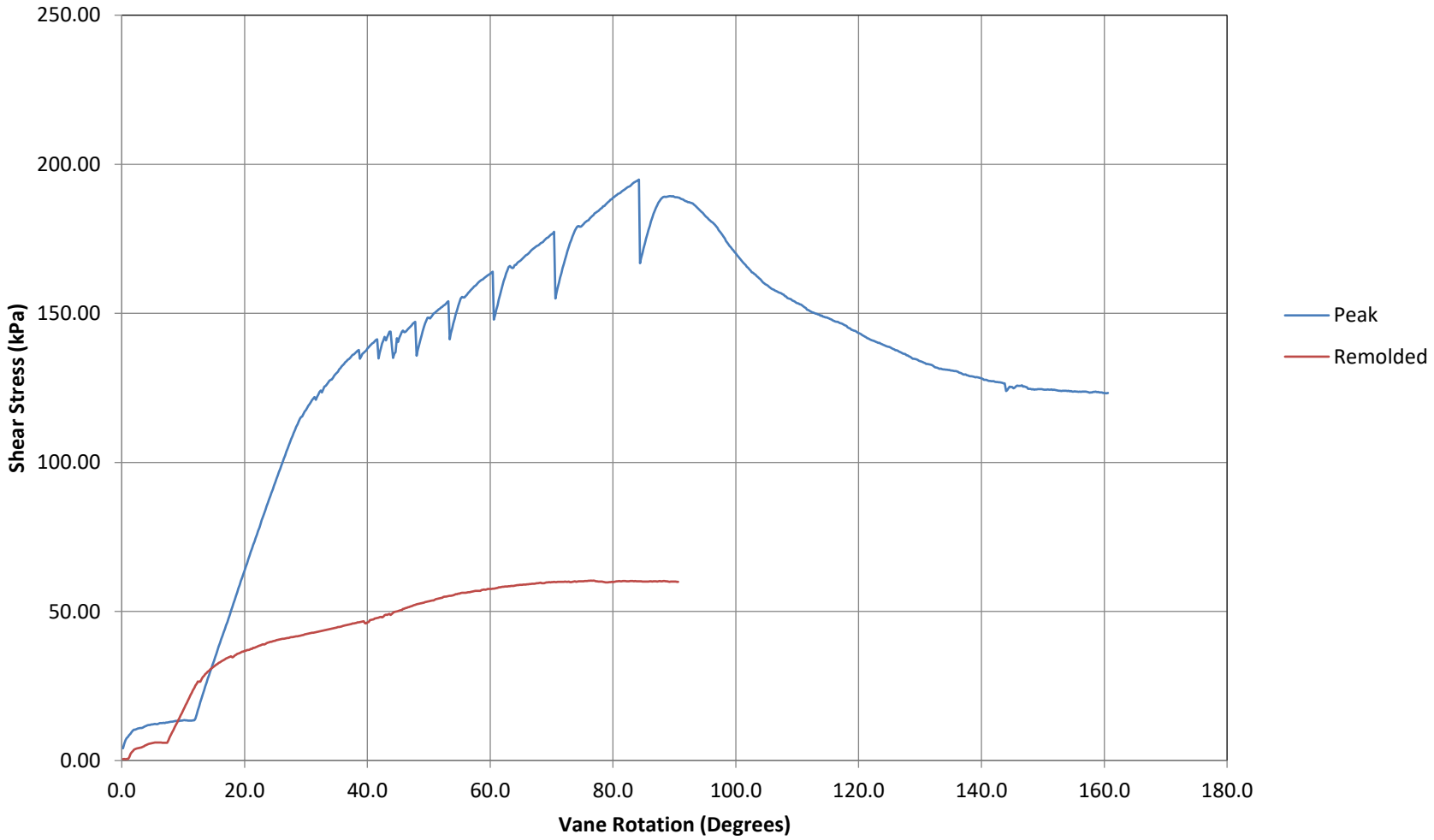


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-SOS-BH-05

Test Date: 14-Oct-2021 14:35
Test Depth (m): 19.51
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407106
Easting (m): 472872

Vane Shear Test

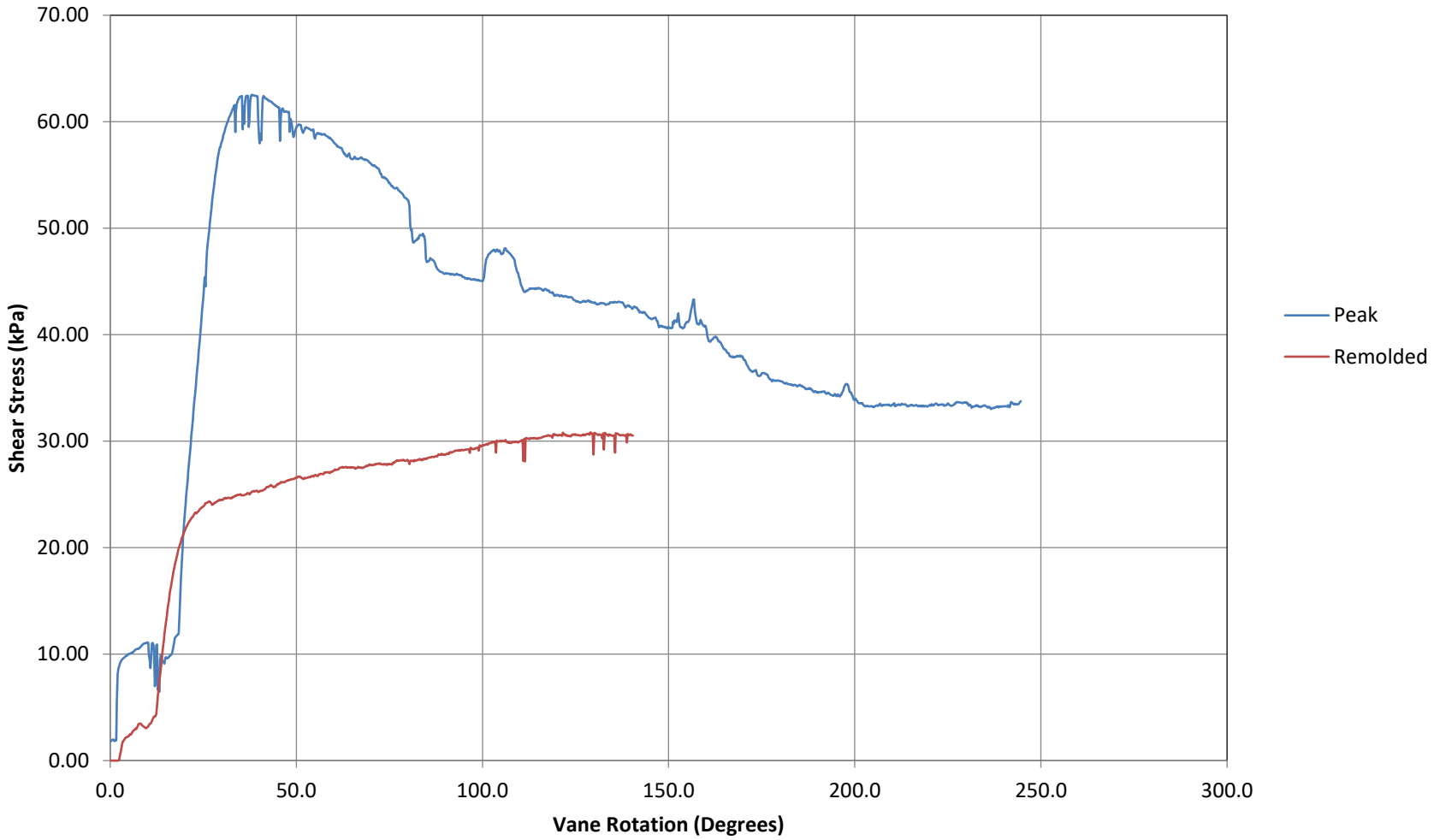


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-01A

Test Date: 20-Jan-2022 15:23
Test Depth (m): 6.30
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408906
Easting (m): 475544

Vane Shear Test

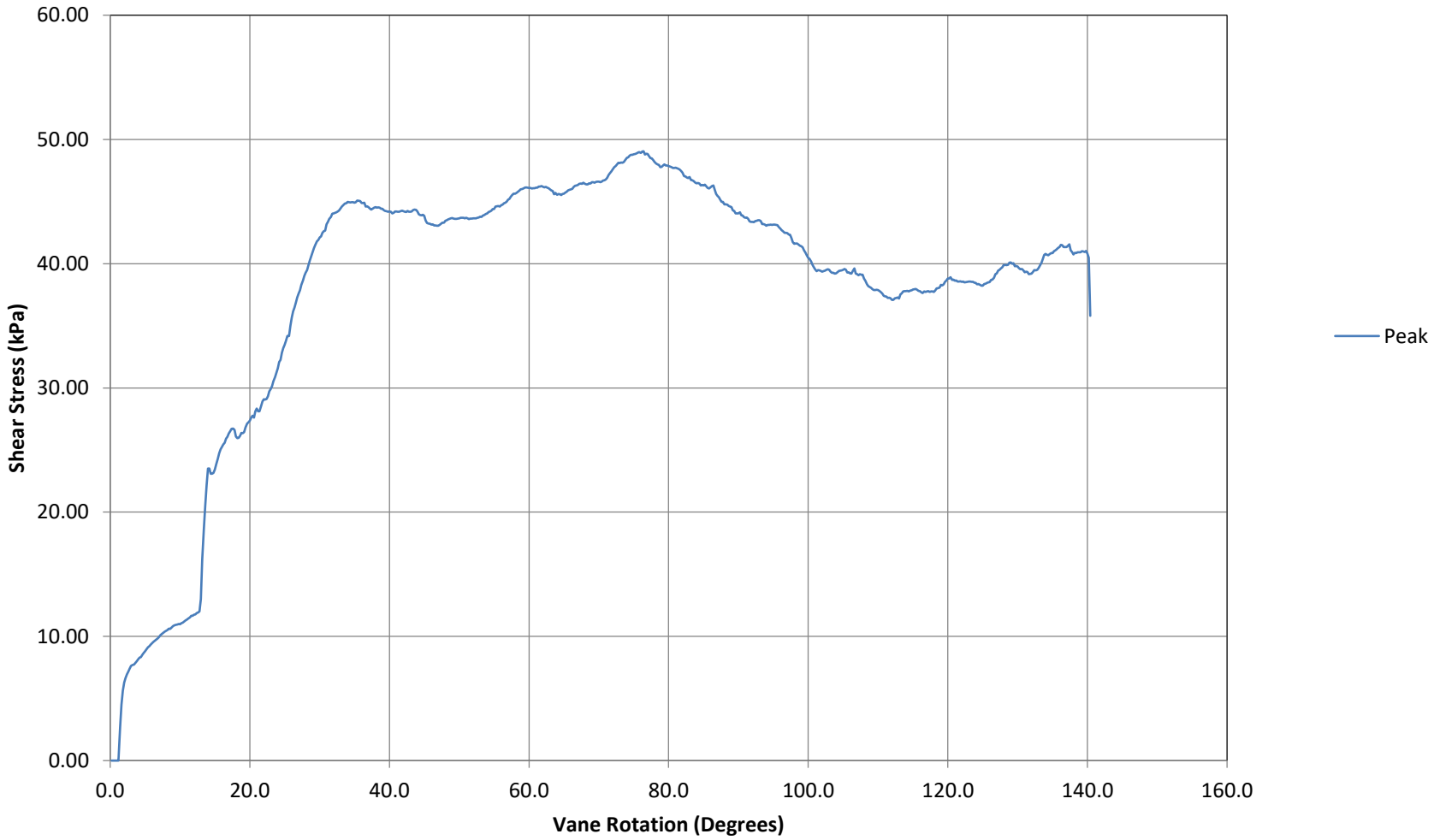


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-04

Test Date: 25-Jan-2022 20:34
Test Depth (m): 4.12
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408237
Easting (m): 476950

Vane Shear Test

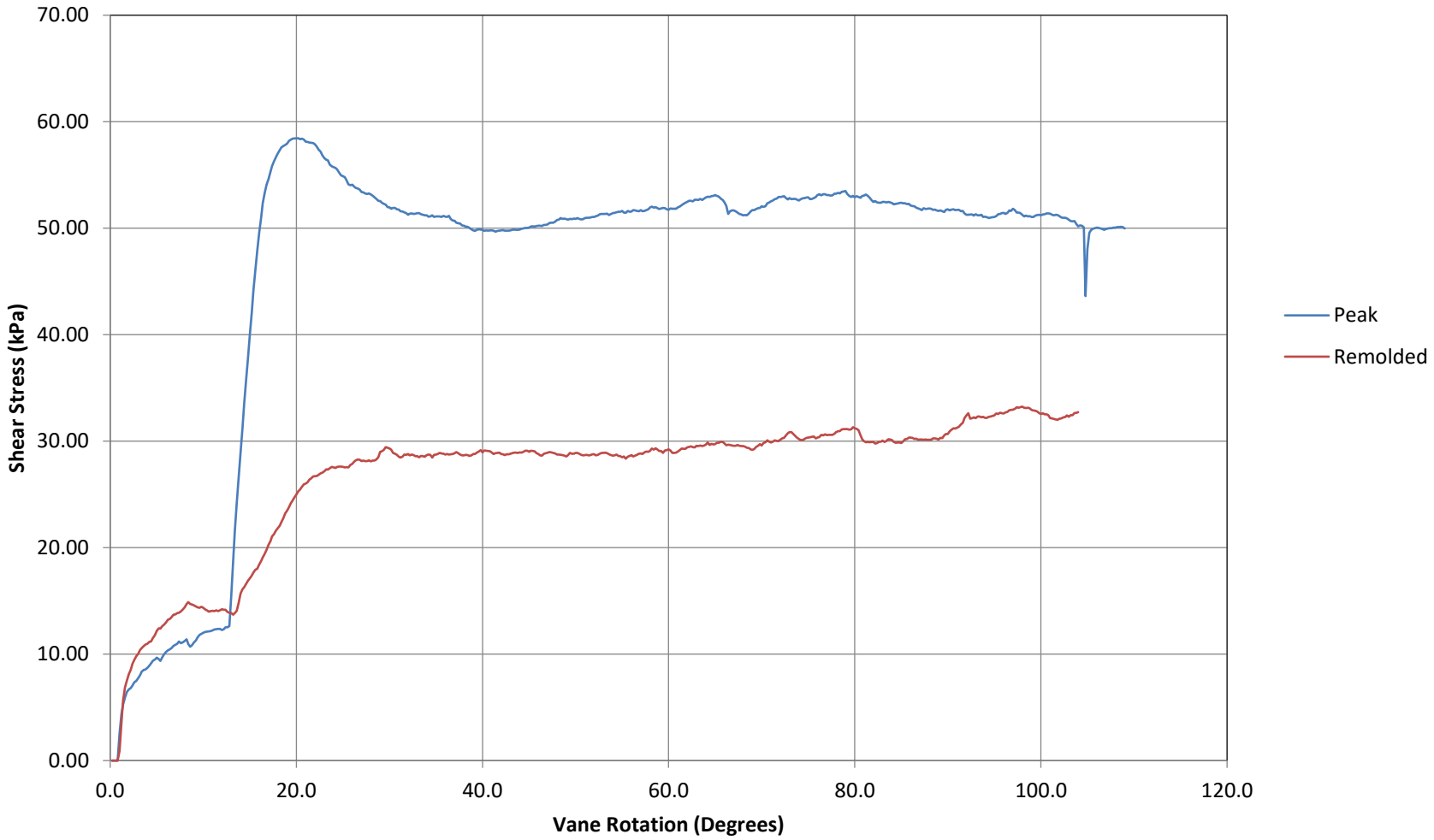


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-04

Test Date: 25-Jan-2022 21:43
Test Depth (m): 4.27
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408237
Easting (m): 476950

Vane Shear Test

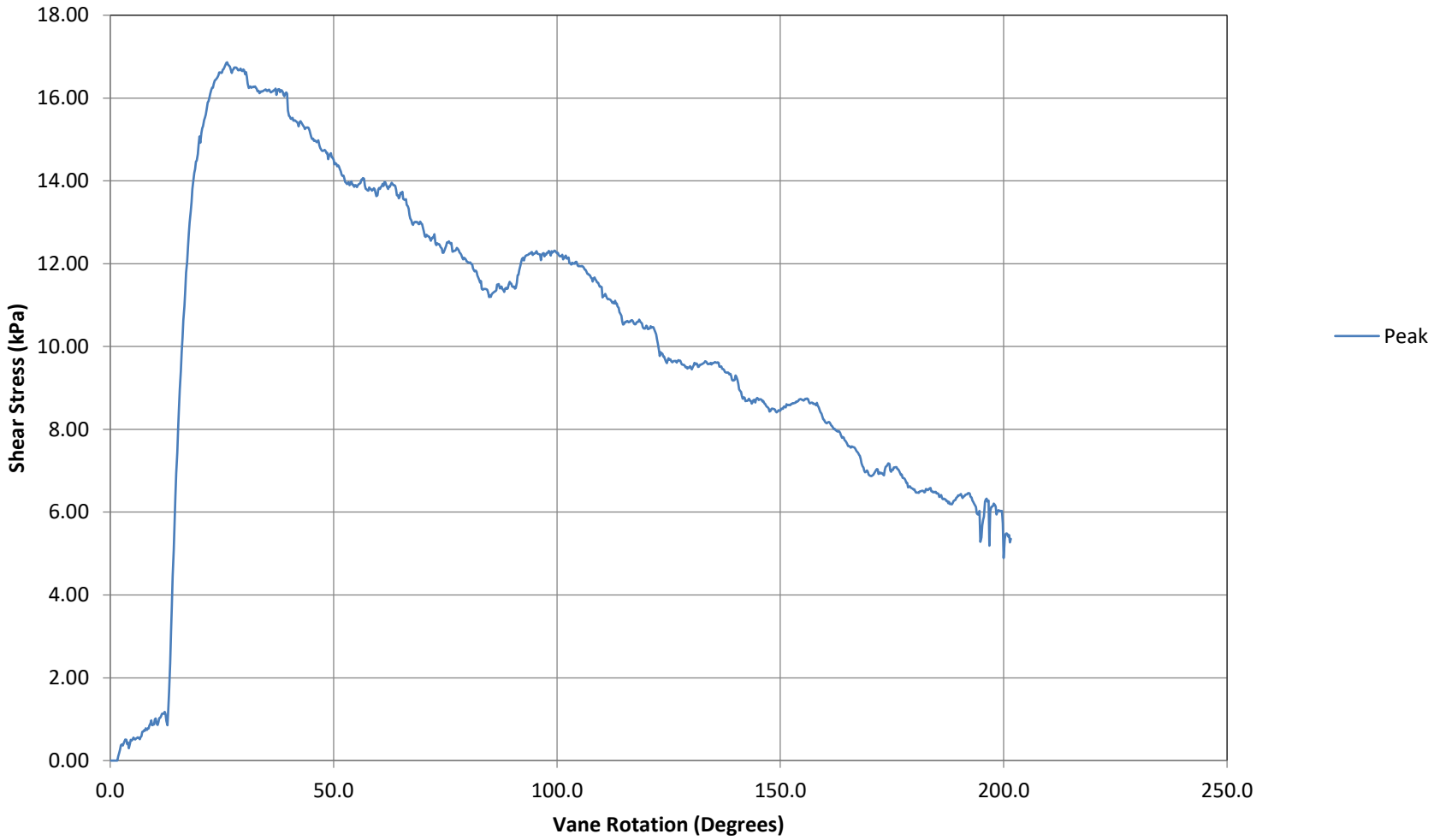


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-06

Test Date: 16-Feb-2022 10:54
Test Depth (m): 5.43
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407694
Easting (m): 475081

Vane Shear Test

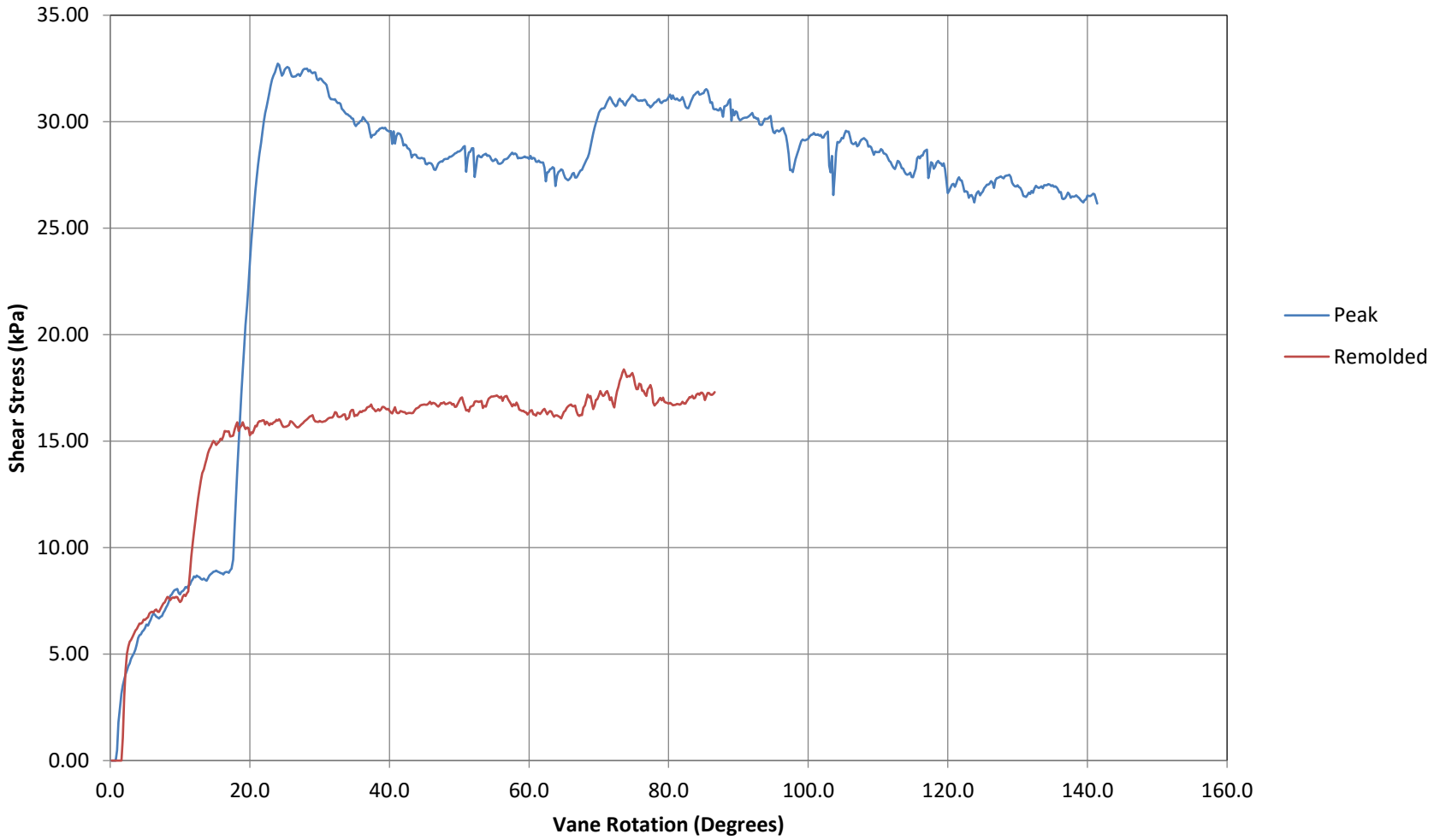


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-07

Test Date: 31-Oct-2021 07:01
Test Depth (m): 7.32
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405098
Easting (m): 473061

Vane Shear Test

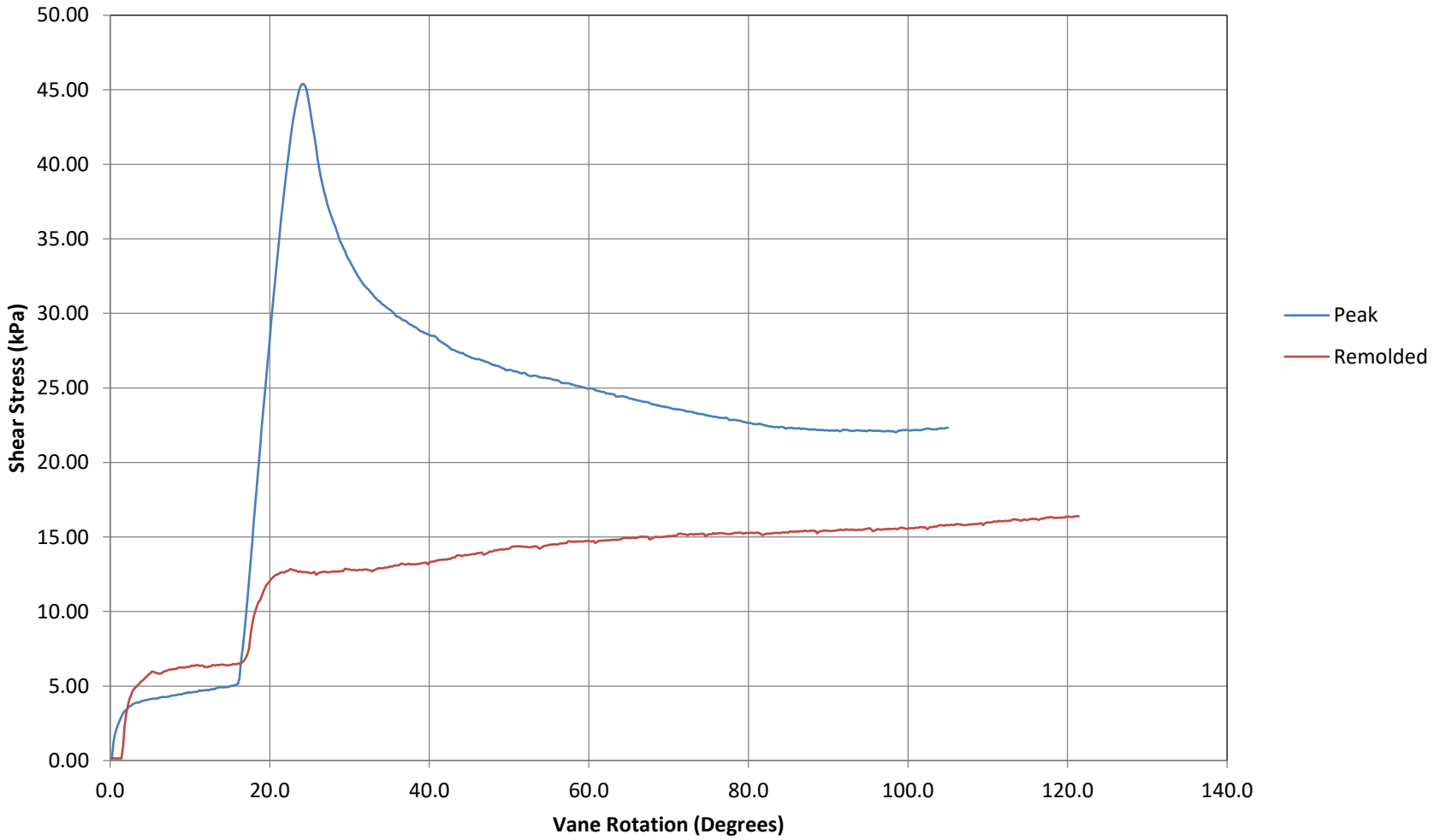


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-07

Test Date: 31-Oct-2021 11:05
Test Depth (m): 11.28
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405098
Easting (m): 473061

Vane Shear Test

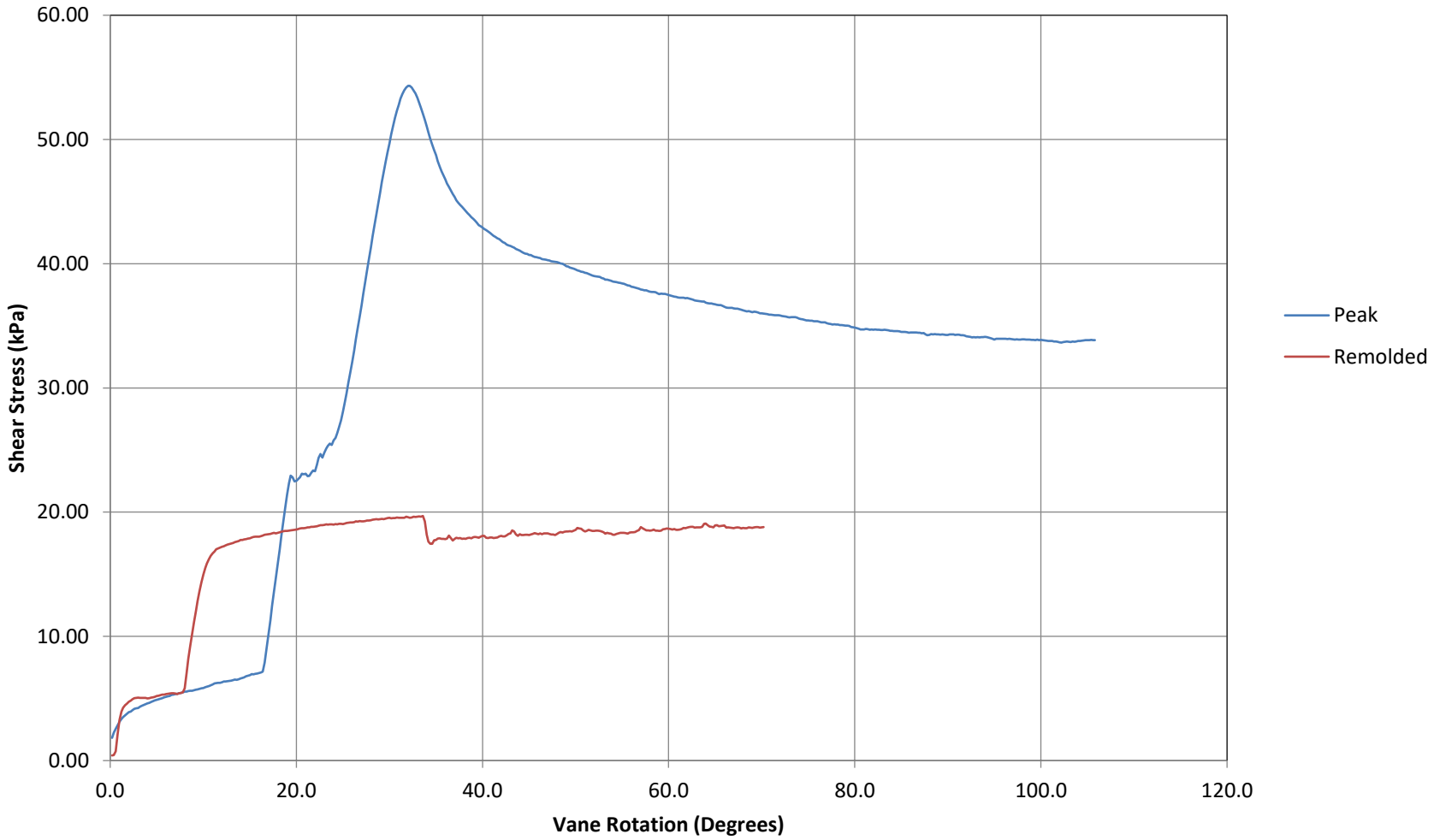


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-07

Test Date: 31-Oct-2021 13:47
Test Depth (m): 15.85
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405098
Easting (m): 473061

Vane Shear Test

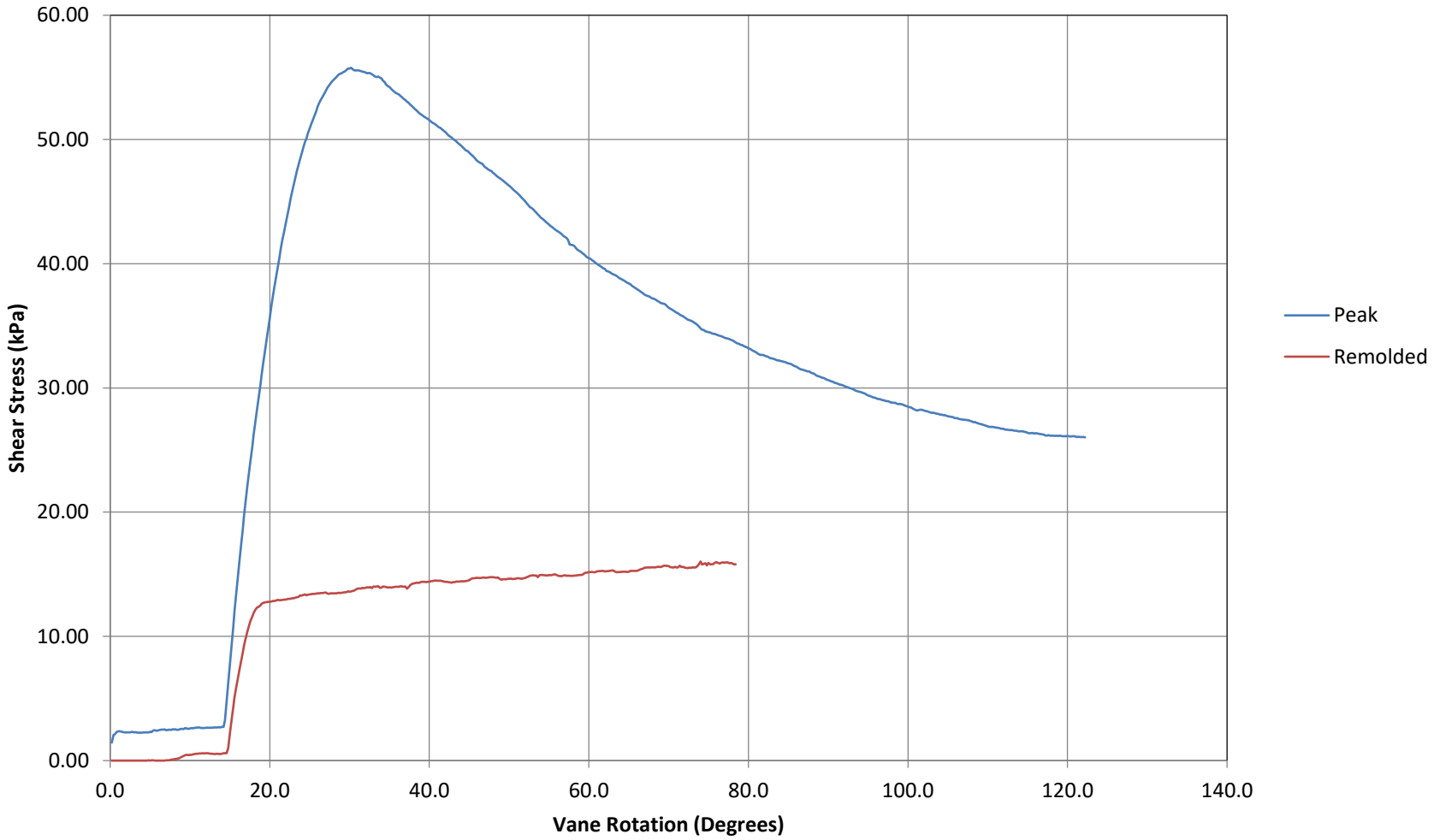


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-09

Test Date: 27-Oct-2021 06:43
Test Depth (m): 2.74
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405777
Easting (m): 472997

Vane Shear Test

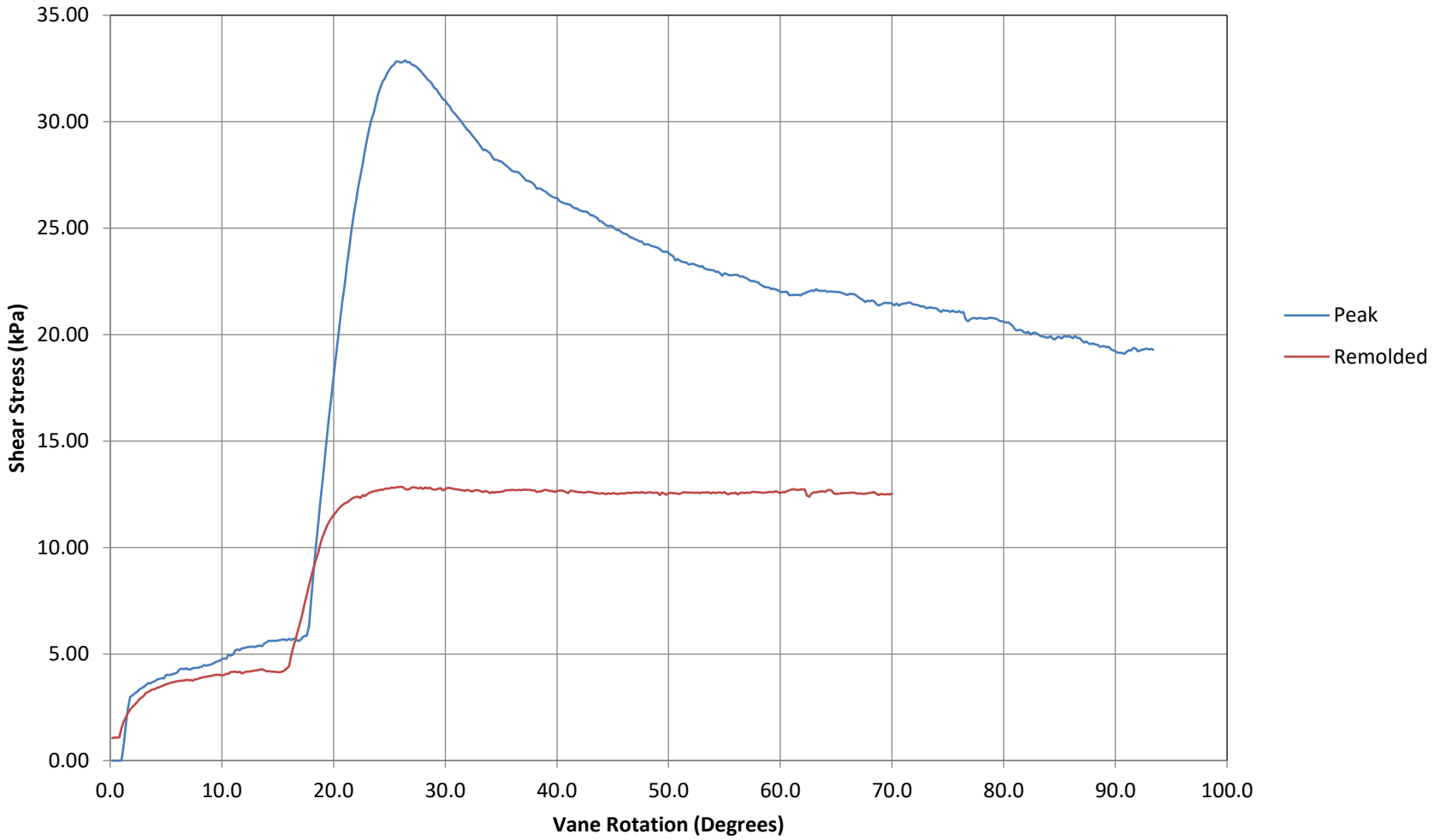


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-09

Test Date: 27-Oct-2021 09:01
Test Depth (m): 8.84
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405777
Easting (m): 472997

Vane Shear Test

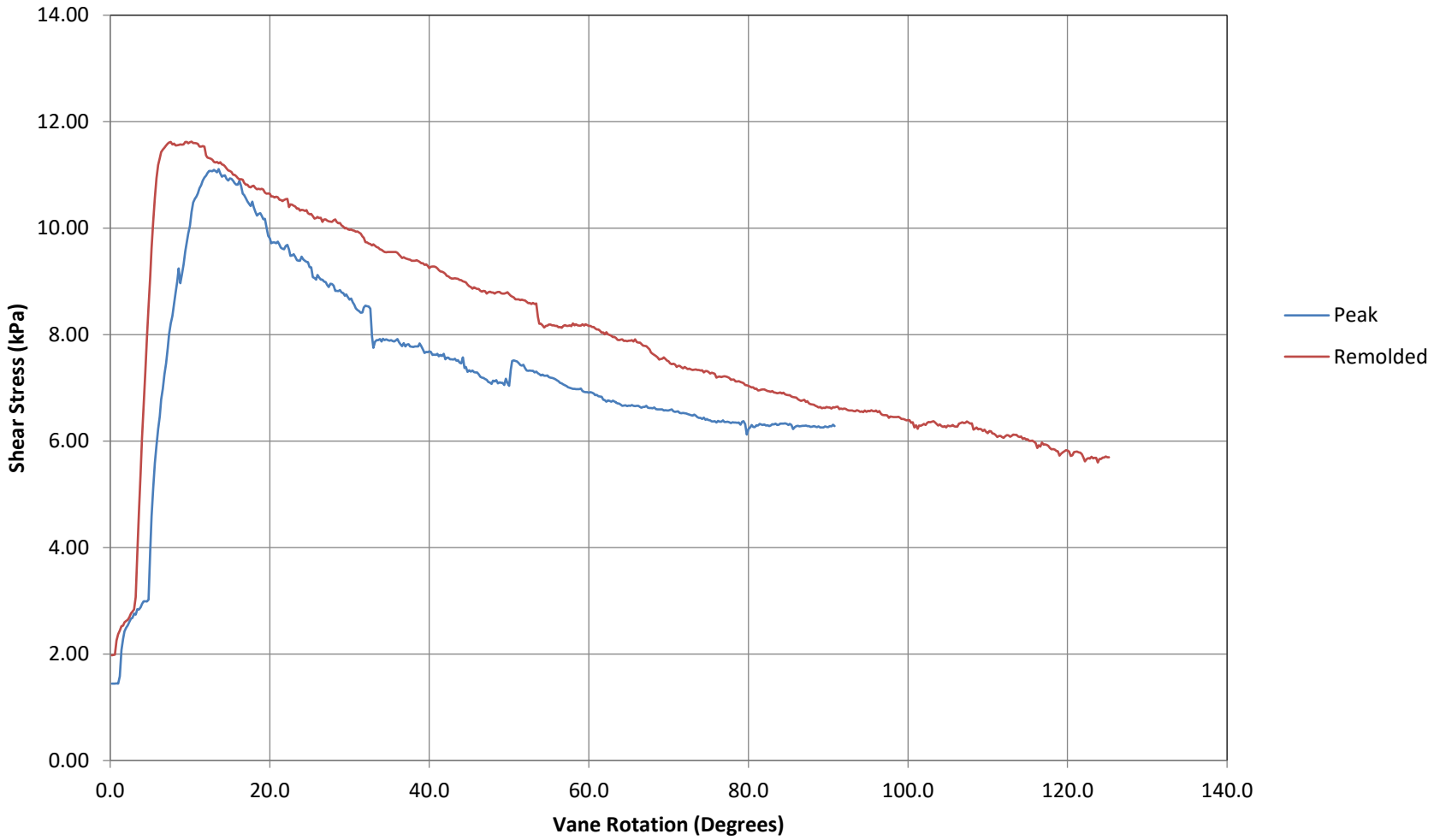


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-09

Test Date: 27-Oct-2021 12:13
Test Depth (m): 15.24
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405777
Easting (m): 472997

Vane Shear Test

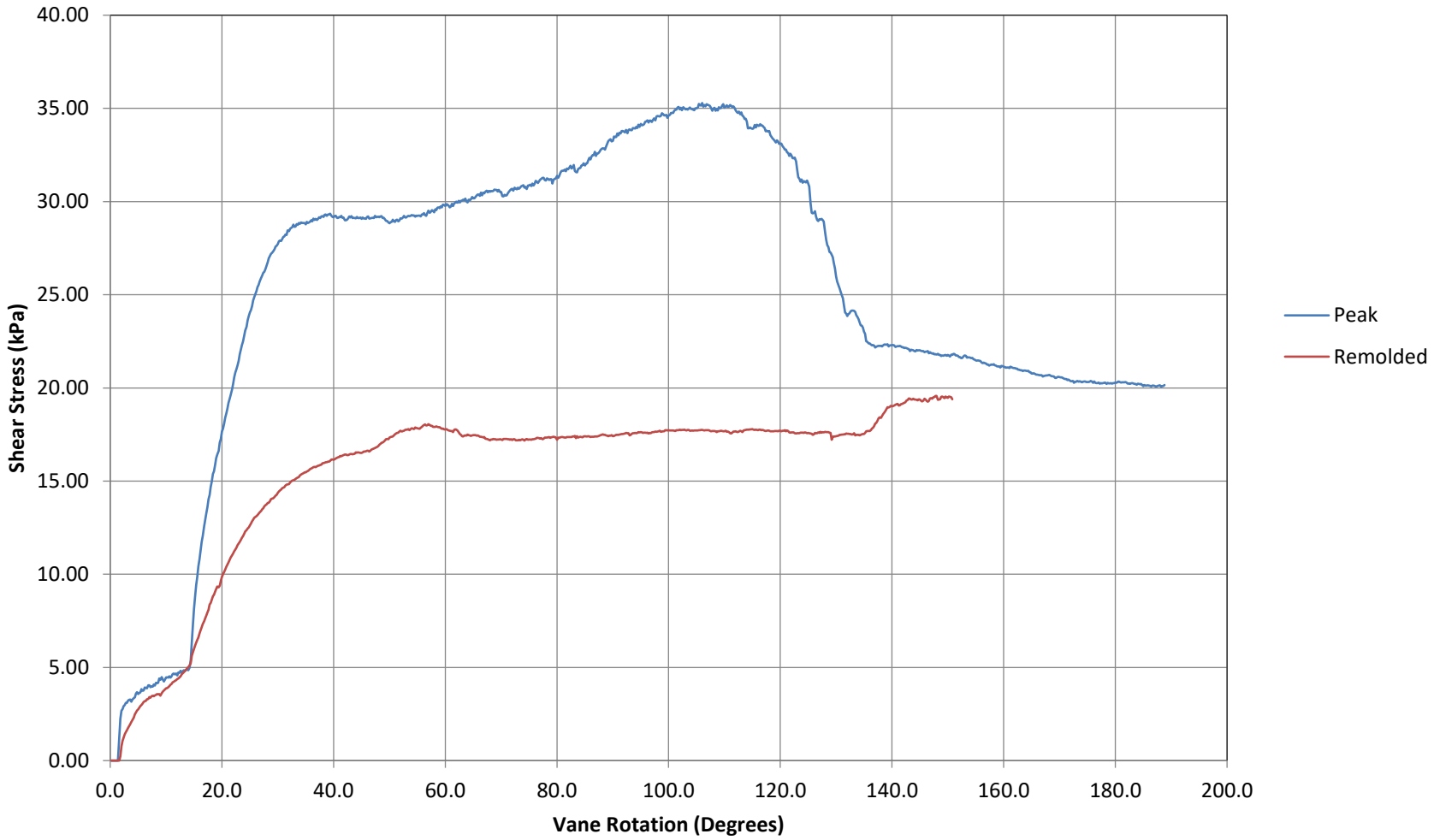


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-10

Test Date: 22-Oct-2021 10:32
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406445
Easting (m): 474812

Vane Shear Test

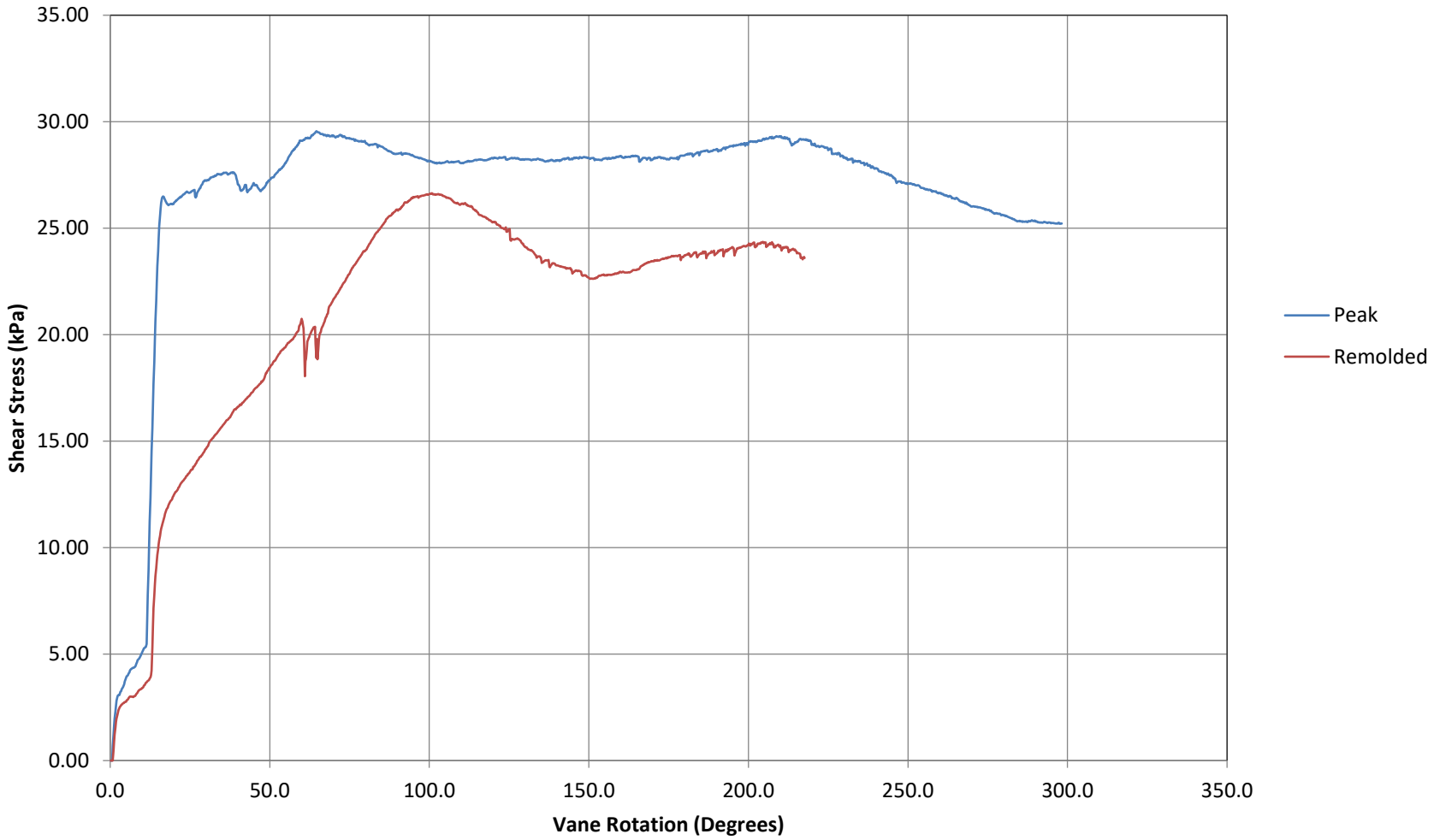


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-10

Test Date: 22-Oct-2021 13:13
Test Depth (m): 12.80
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406445
Easting (m): 474812

Vane Shear Test

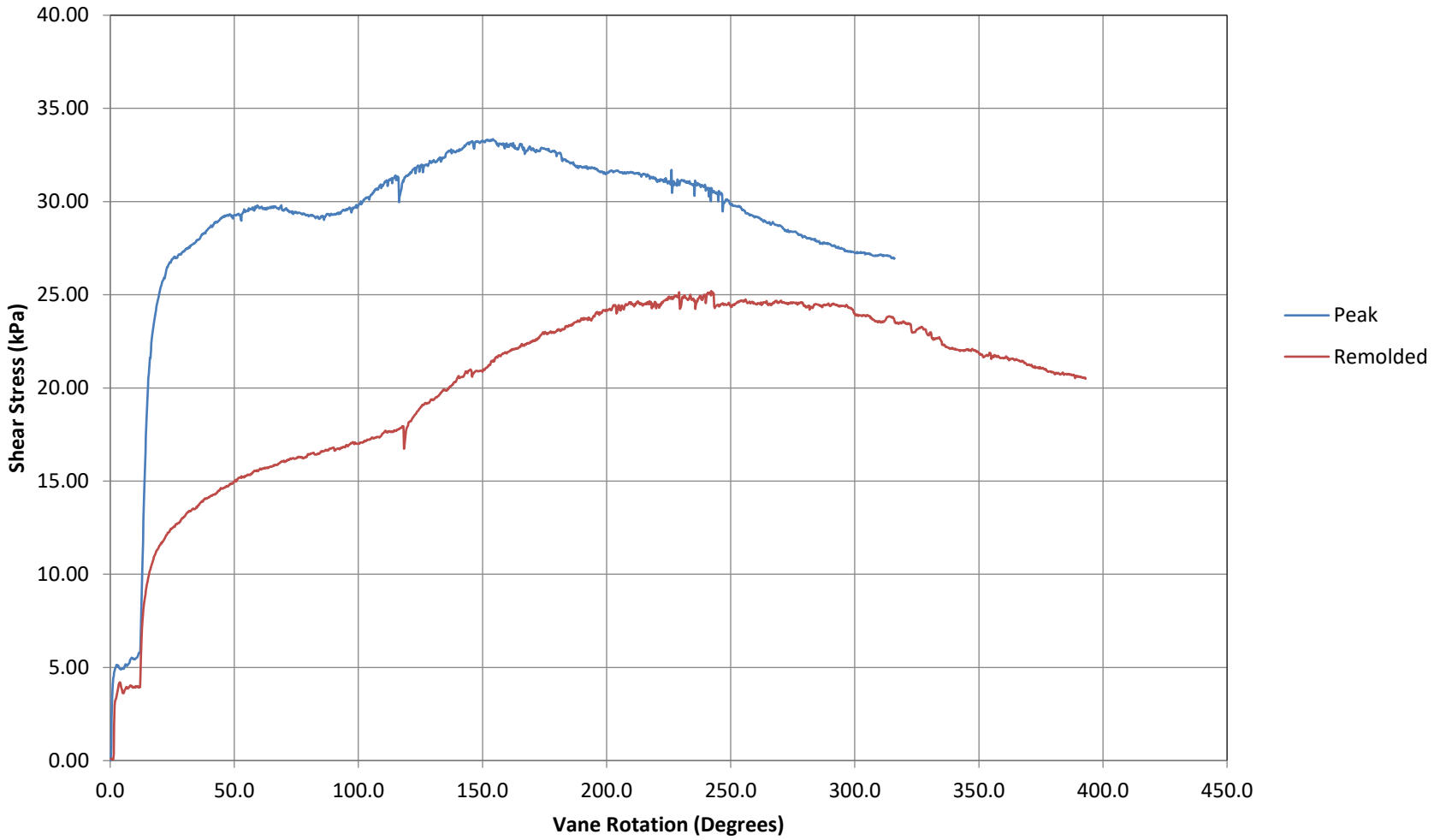


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-10

Test Date: 23-Oct-2021 06:56
Test Depth (m): 15.55
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406445
Easting (m): 474812

Vane Shear Test

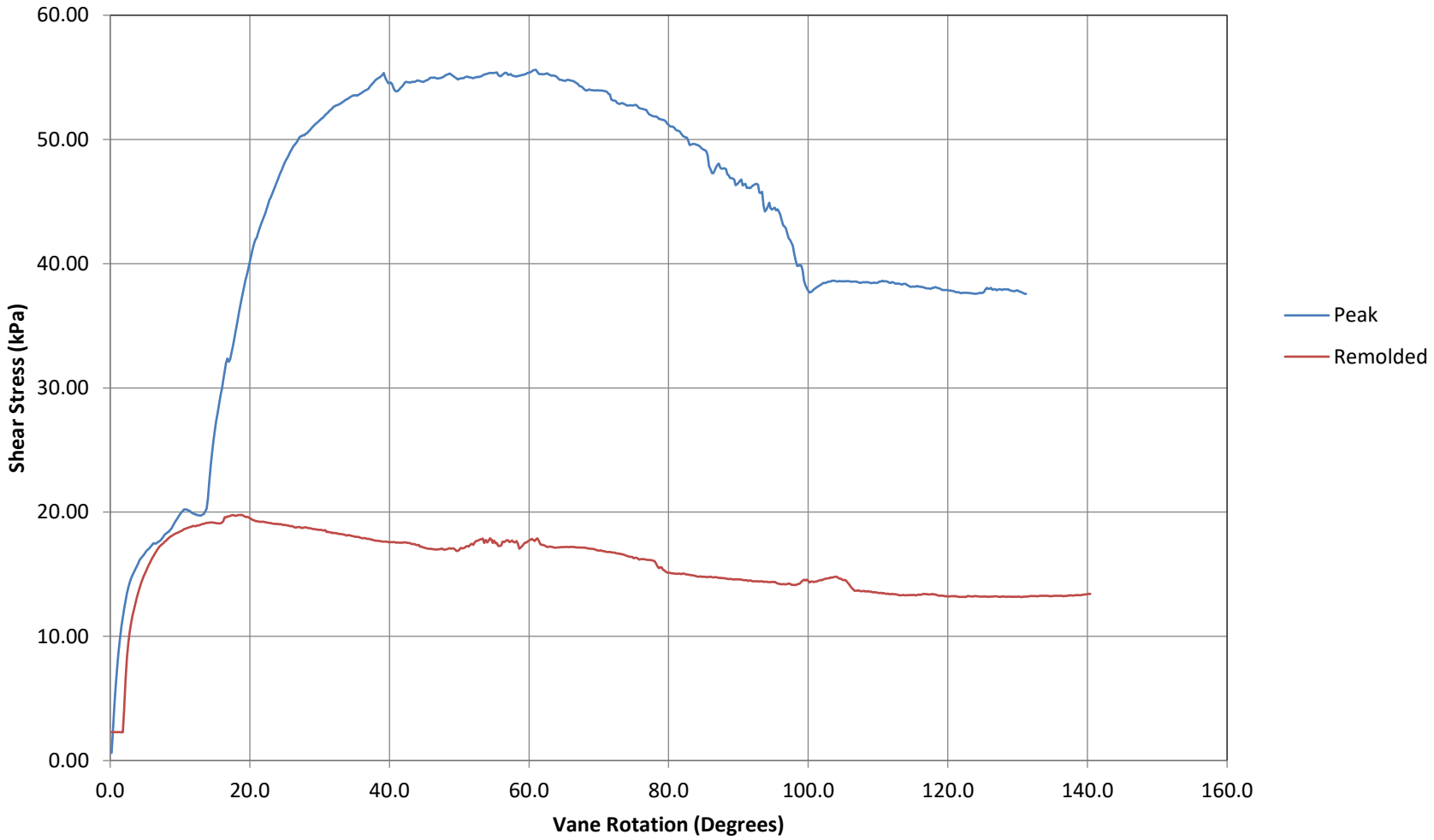


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-11

Test Date: 12-Feb-2022 10:32
Test Depth (m): 4.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408209
Easting (m): 475236

Vane Shear Test

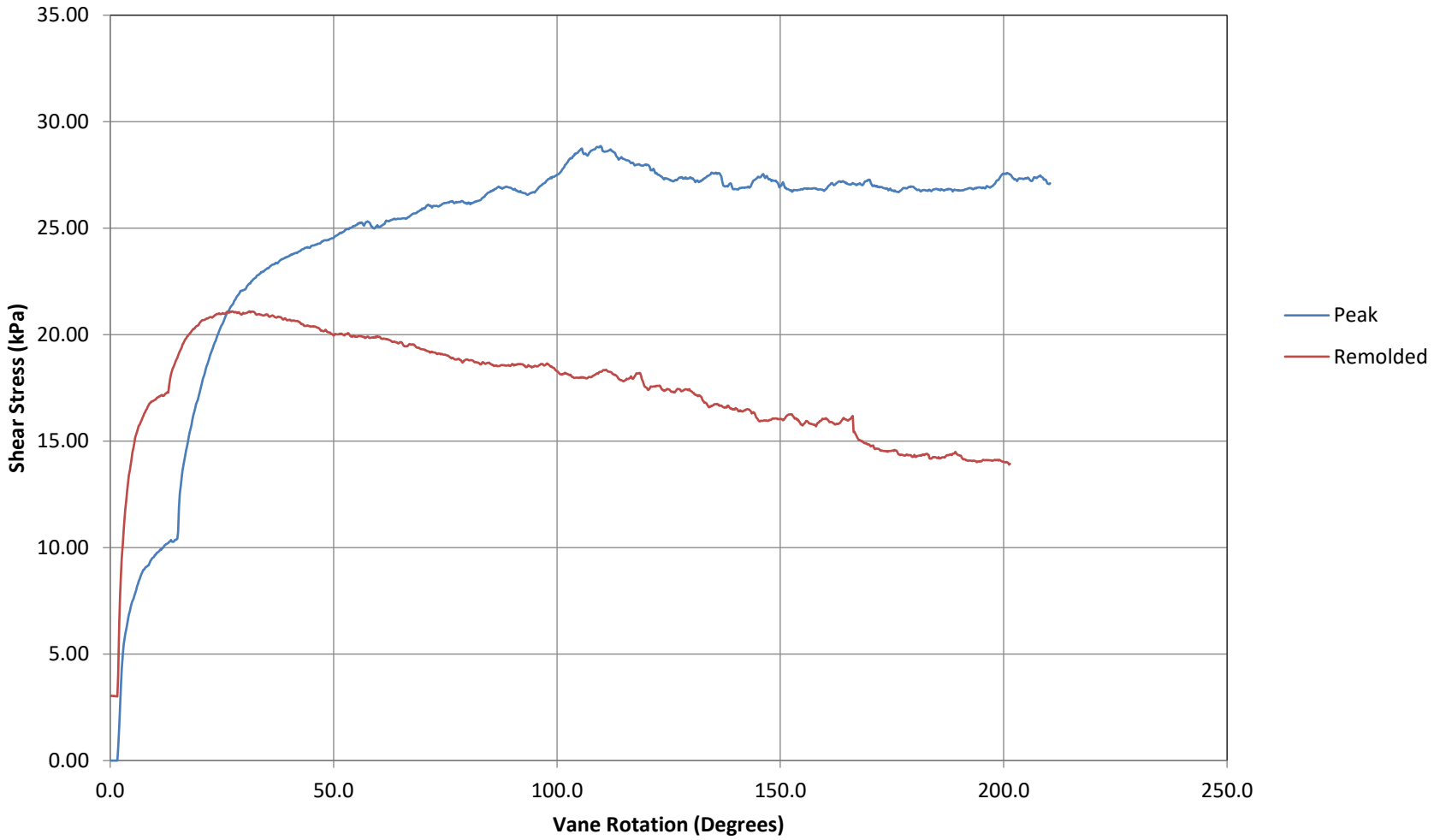


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-11

Test Date: 12-Feb-2022 11:42
Test Depth (m): 5.50
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408209
Easting (m): 475236

Vane Shear Test

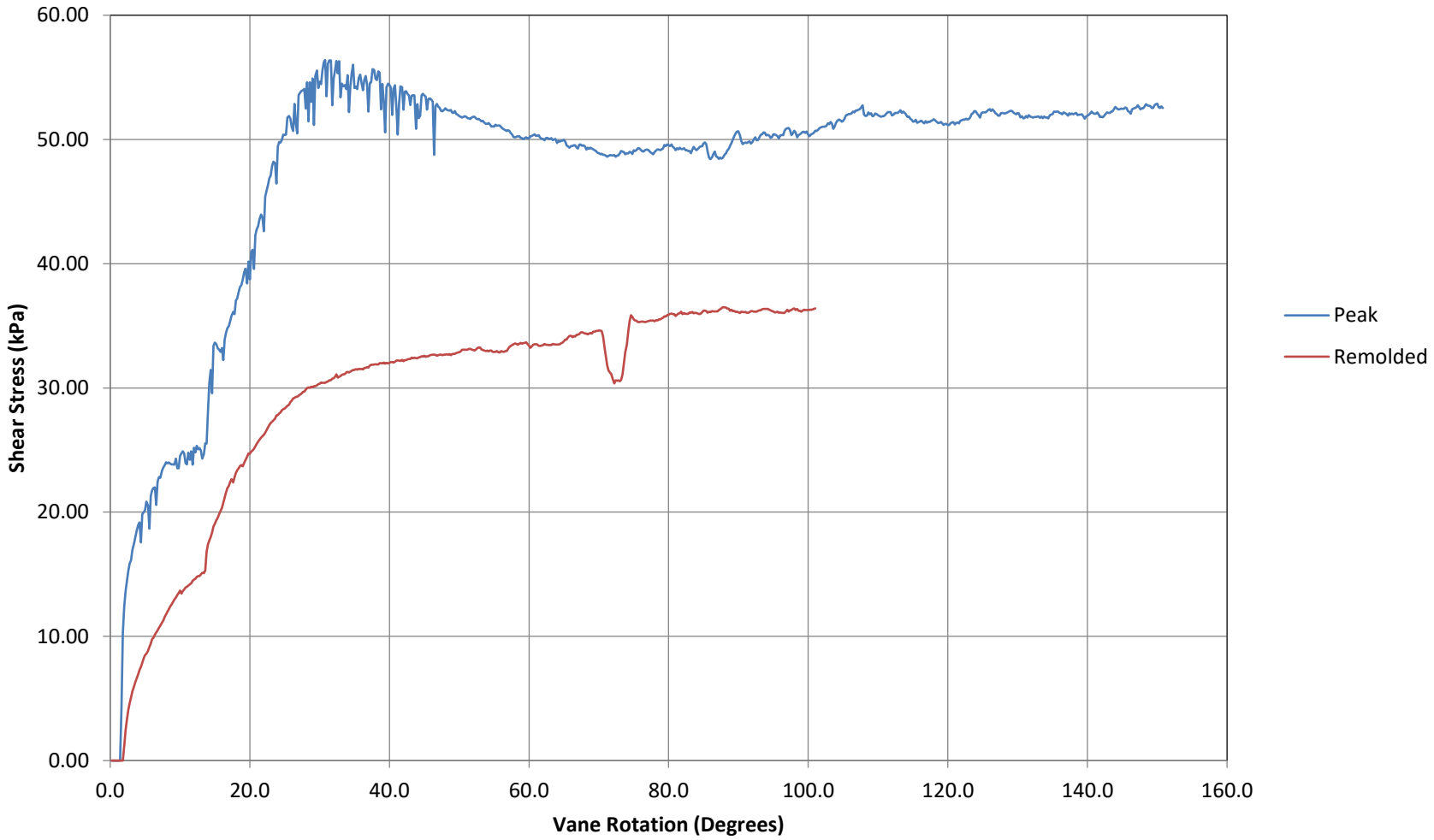


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-13

Test Date: 23-Jan-2022 09:44
Test Depth (m): 6.50
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408199
Easting (m): 476082

Vane Shear Test

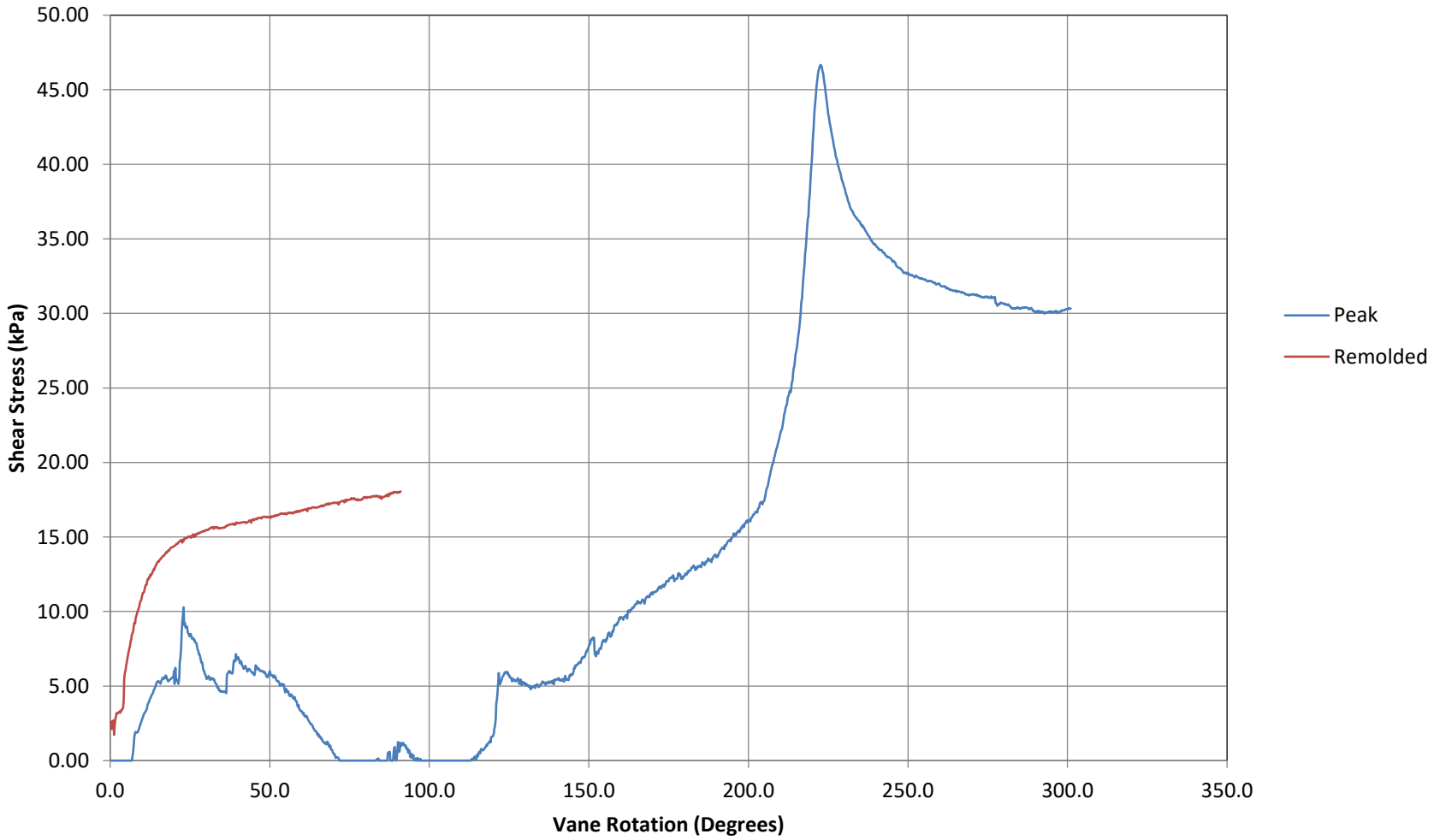


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-13

Test Date: 23-Jan-2022 12:42
Test Depth (m): 9.50
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408199
Easting (m): 476082

Vane Shear Test

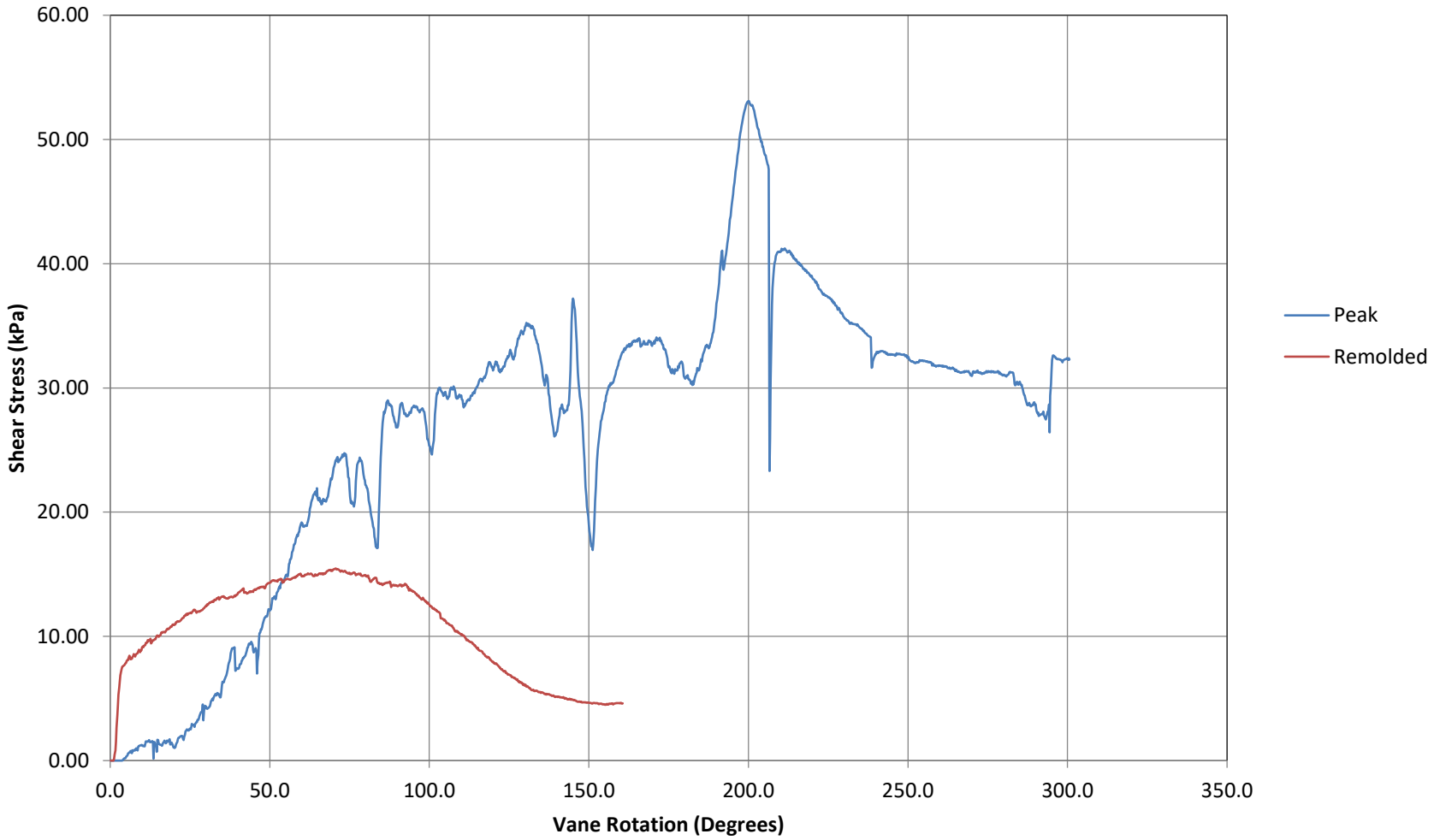


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-13

Test Date: 23-Jan-2022 16:26
Test Depth (m): 13.00
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408199
Easting (m): 476082

Vane Shear Test

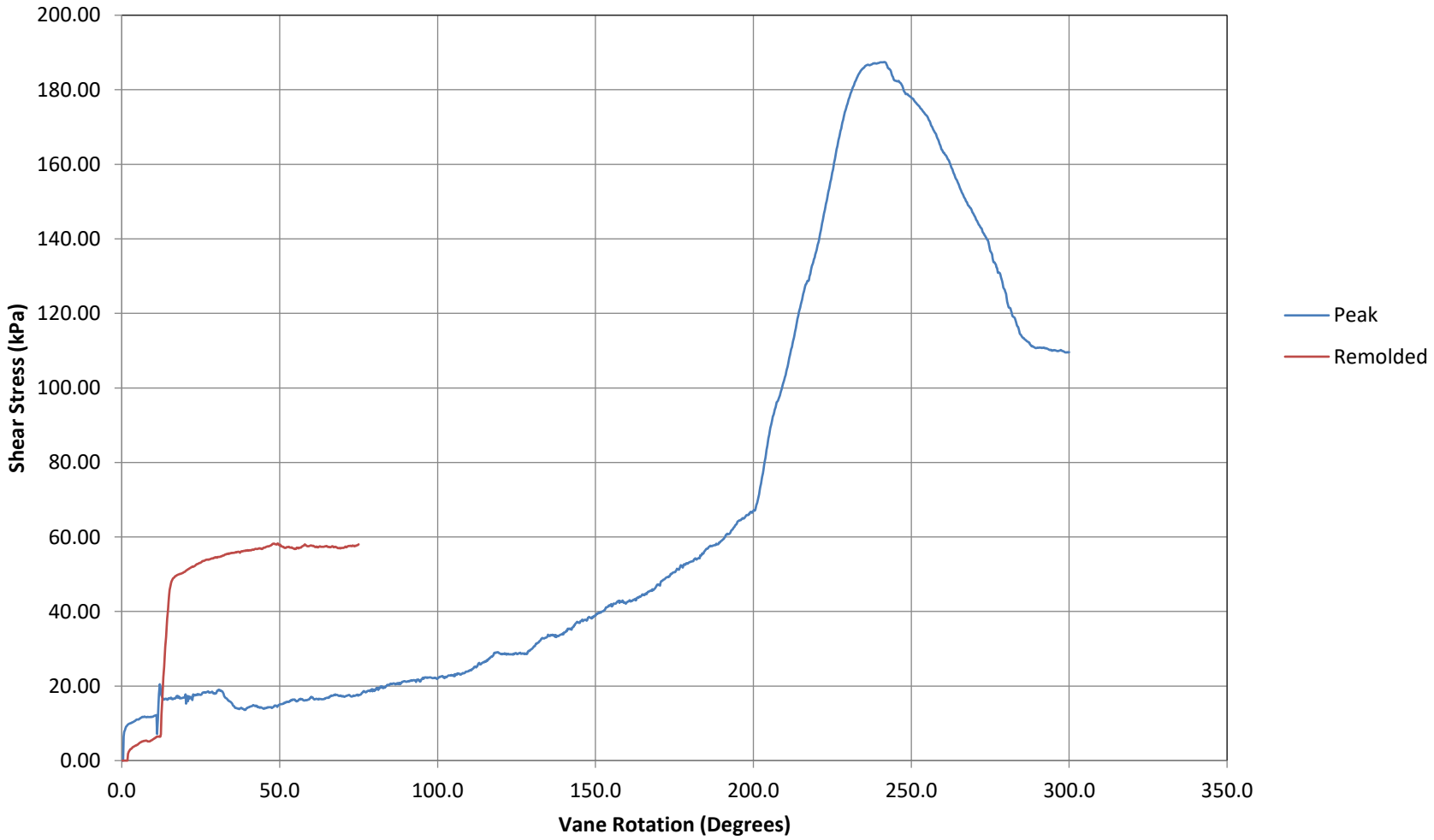


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-15

Test Date: 27-Jan-2022 09:06
Test Depth (m): 2.74
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407121
Easting (m): 476800

Vane Shear Test

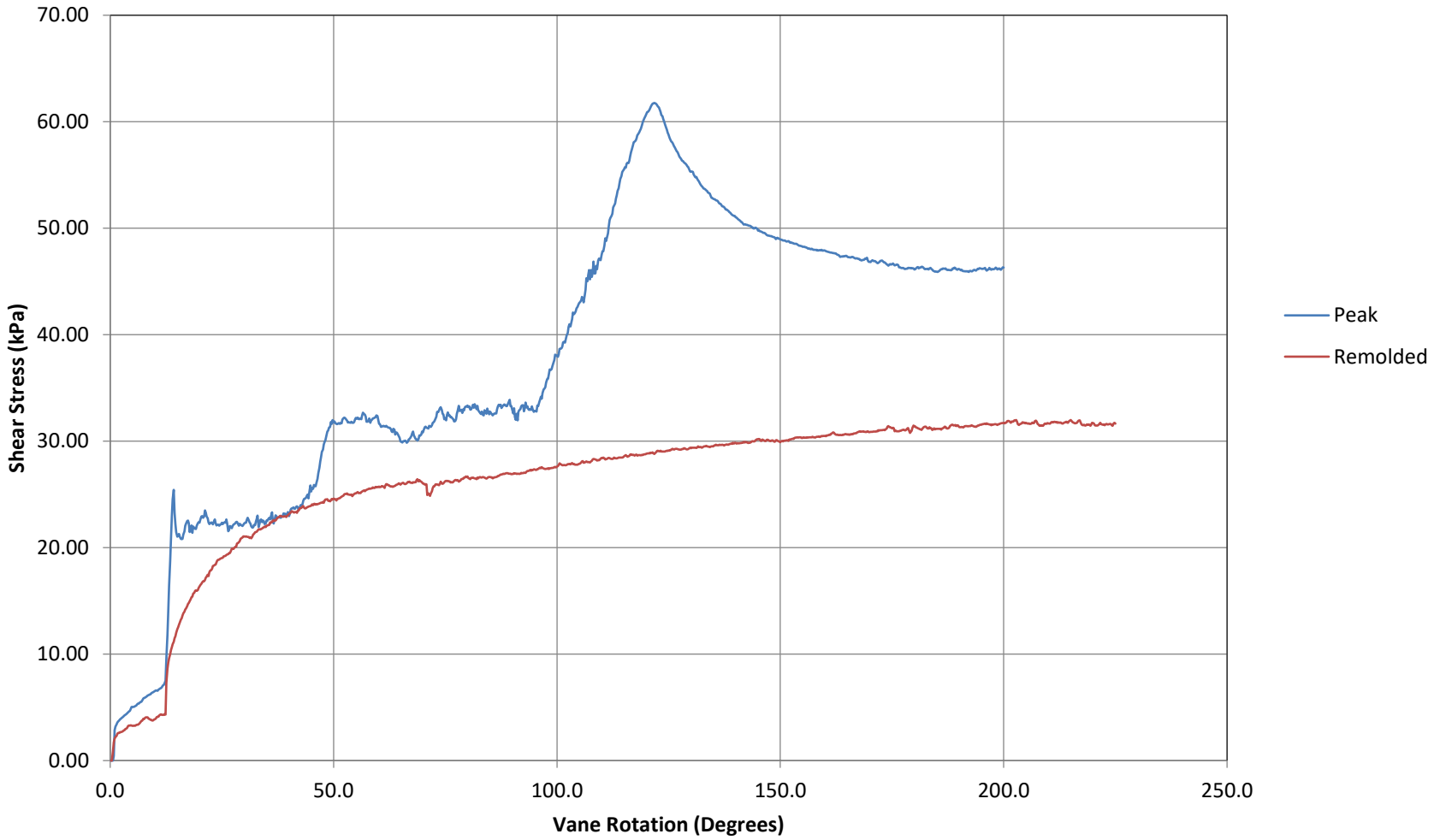


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-15

Test Date: 27-Jan-2022 13:04
Test Depth (m): 8.22
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407121
Easting (m): 476800

Vane Shear Test

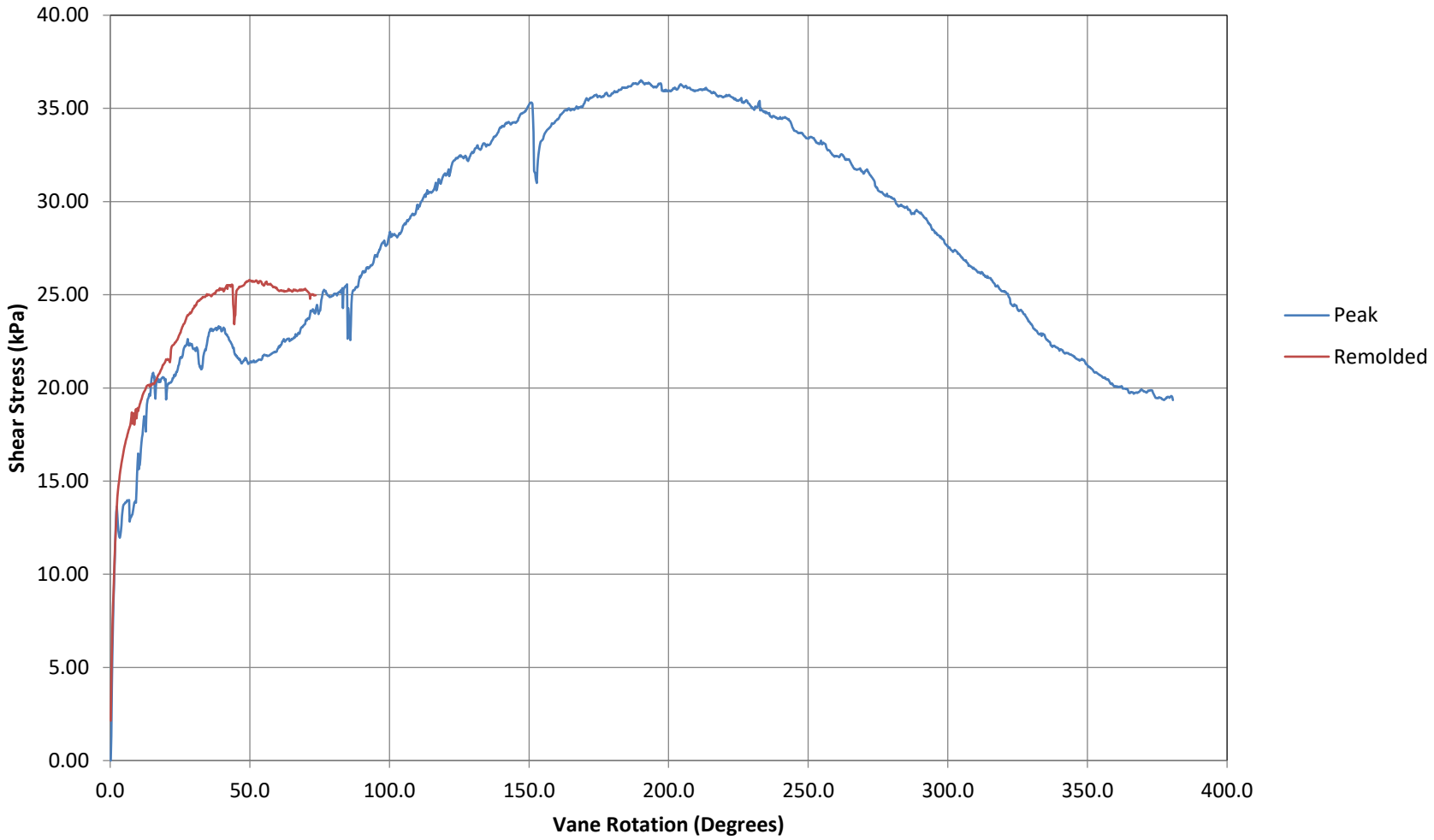


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-16

Test Date: 22-Mar-2022 21:17
Test Depth (m): 7.77
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405756
Easting (m): 474679

Vane Shear Test

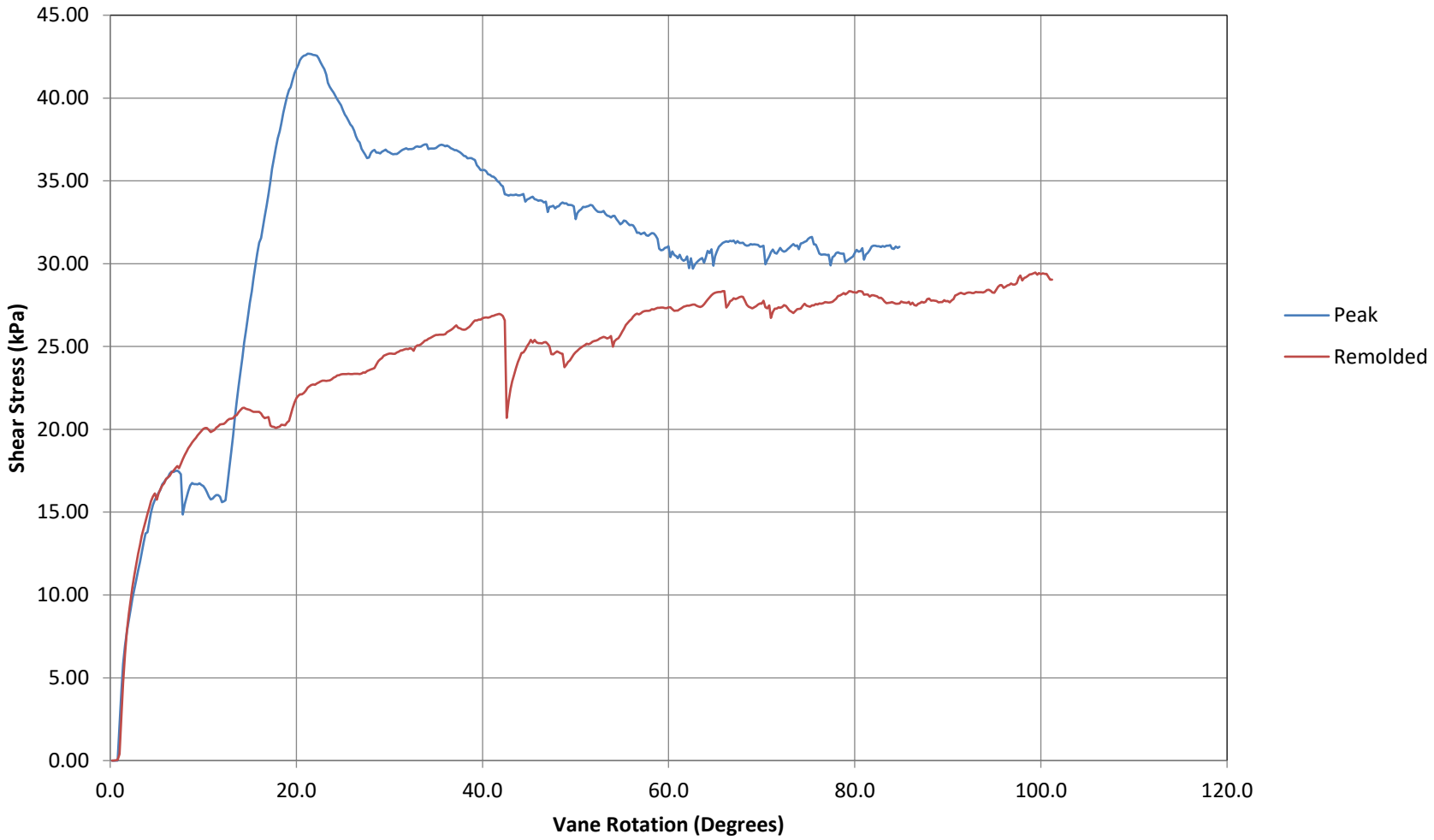


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-16

Test Date: 23-Mar-2022 01:50
Test Depth (m): 13.87
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405756
Easting (m): 474679

Vane Shear Test

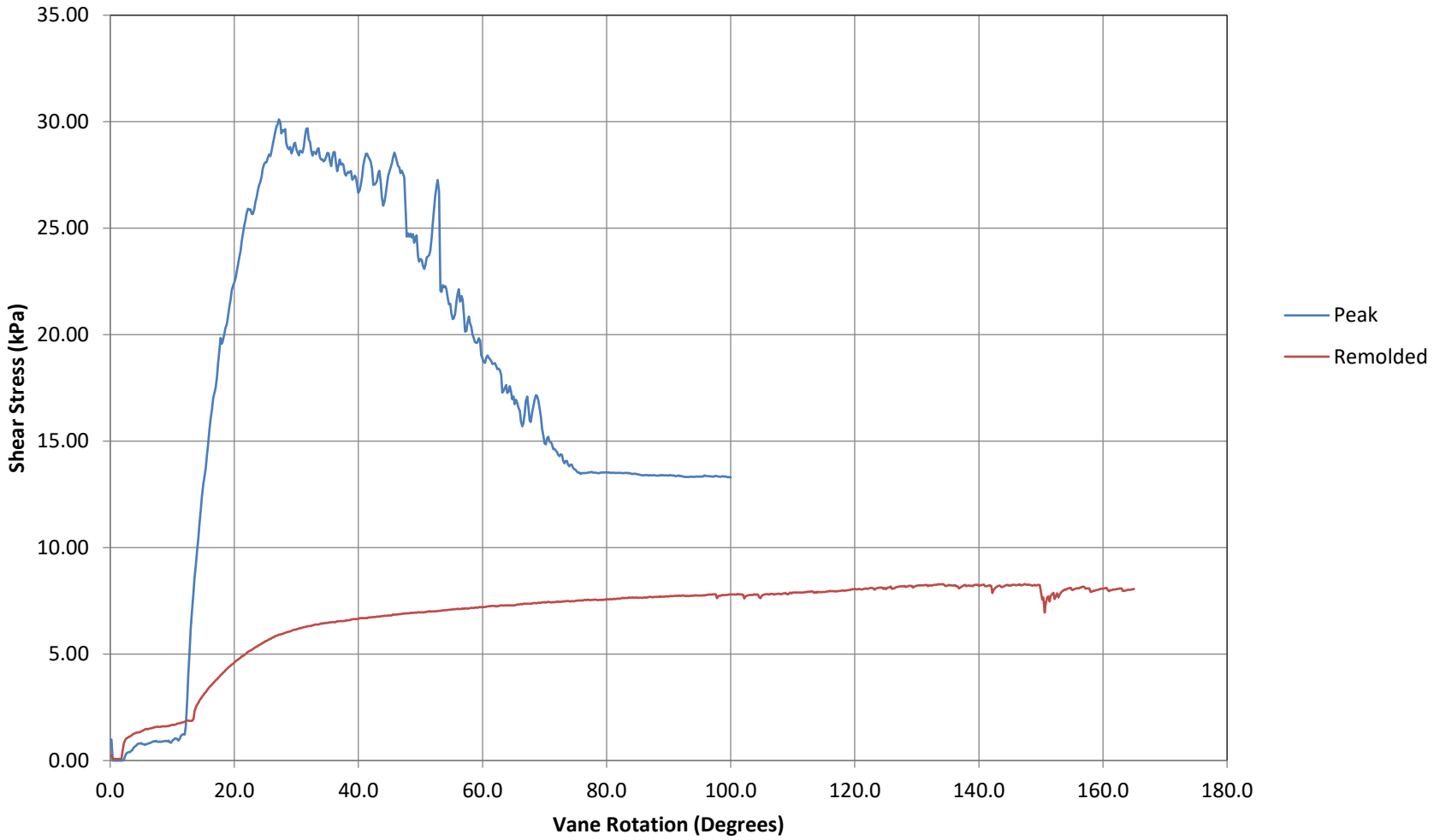


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-16

Test Date: 23-Mar-2022 08:36
Test Depth (m): 19.81
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405756
Easting (m): 474679

Vane Shear Test

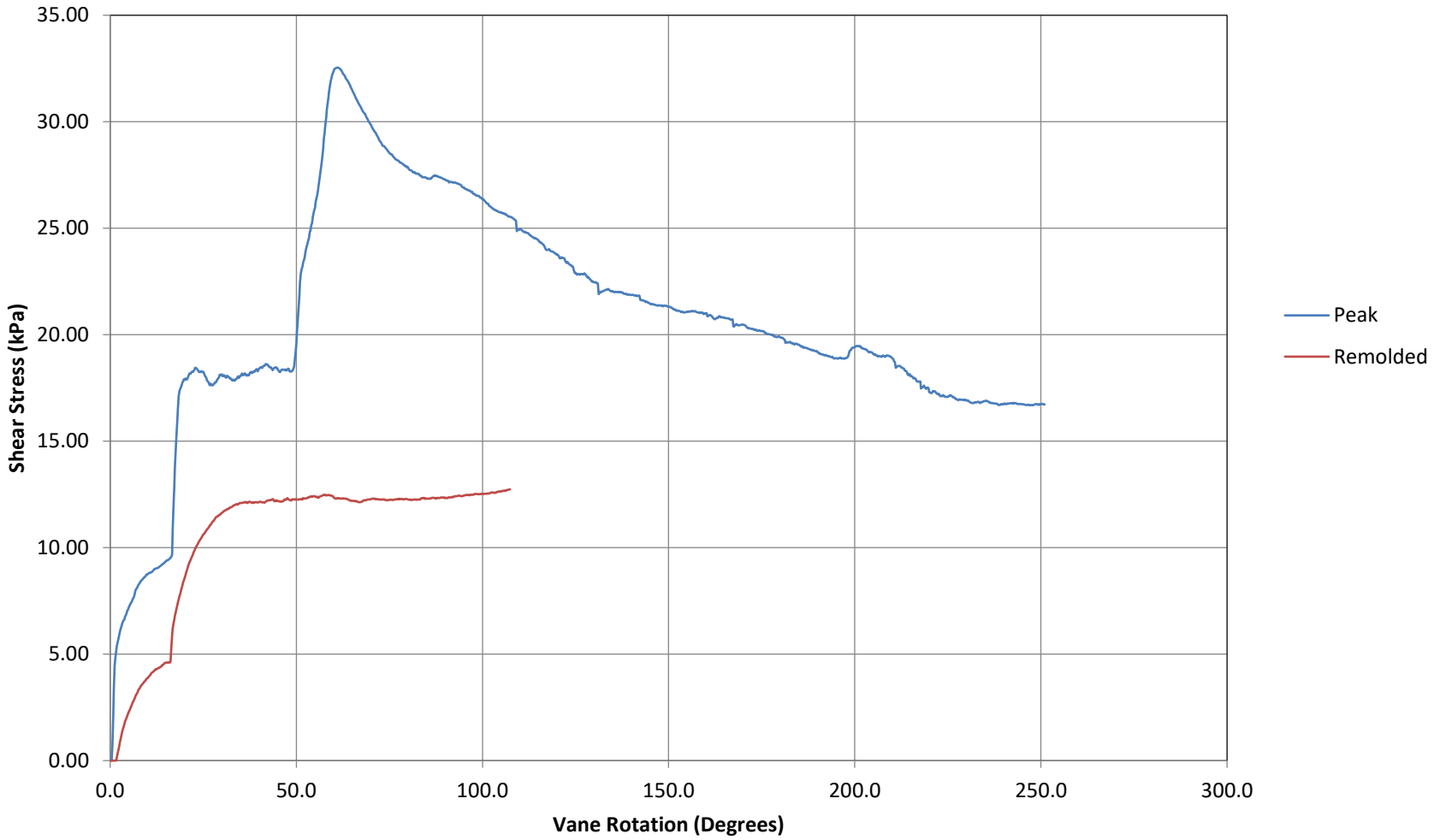


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-18

Test Date: 16-Nov-2021 11:52
Test Depth (m): 5.57
Vane Type: Double tapered 55 x 110 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406724
Easting (m): 471939

Vane Shear Test

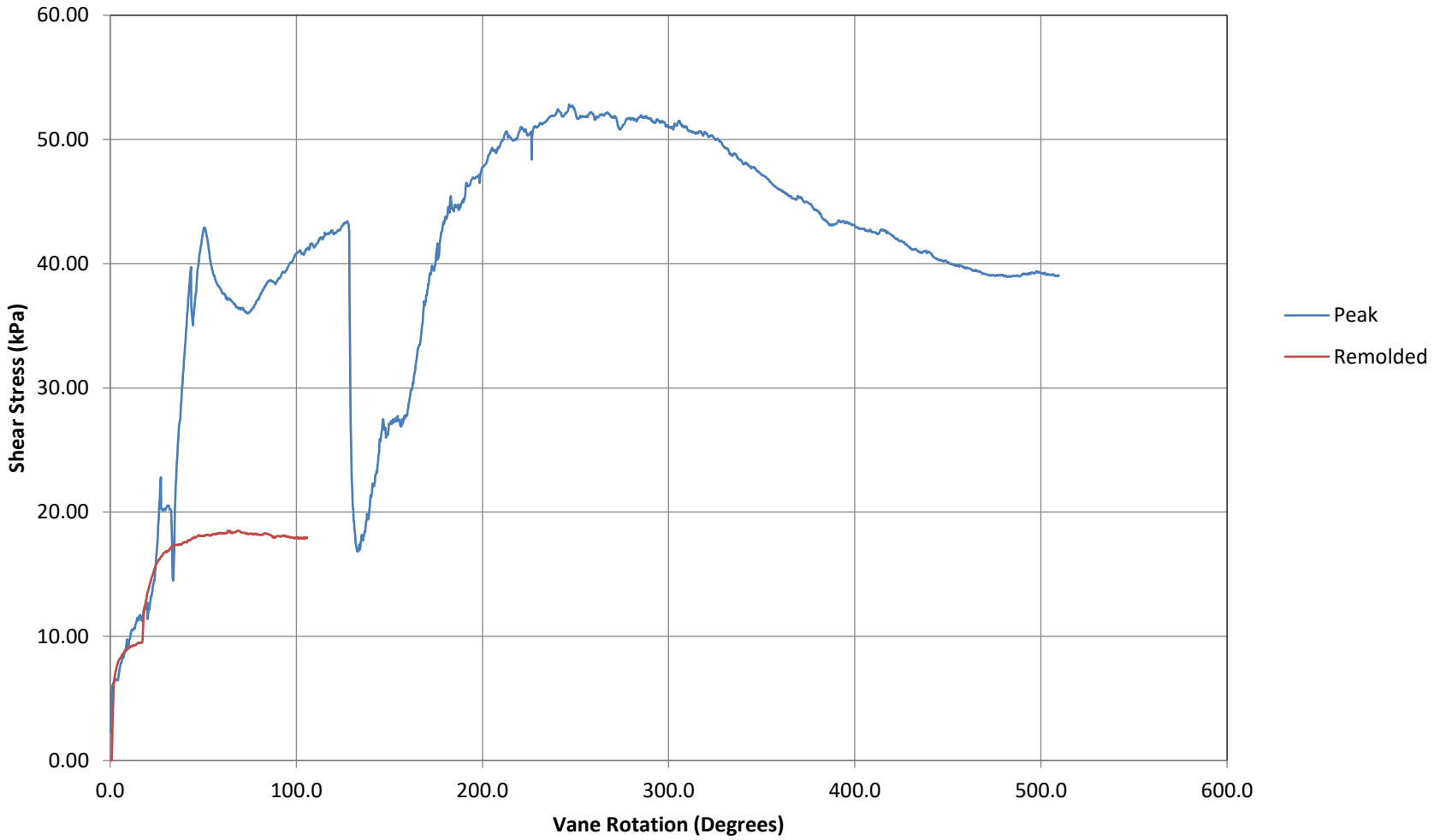


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-18

Test Date: 17-Nov-2021 06:38
Test Depth (m): 14.22
Vane Type: Double tapered 55 x 110 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406724
Easting (m): 471939

Vane Shear Test

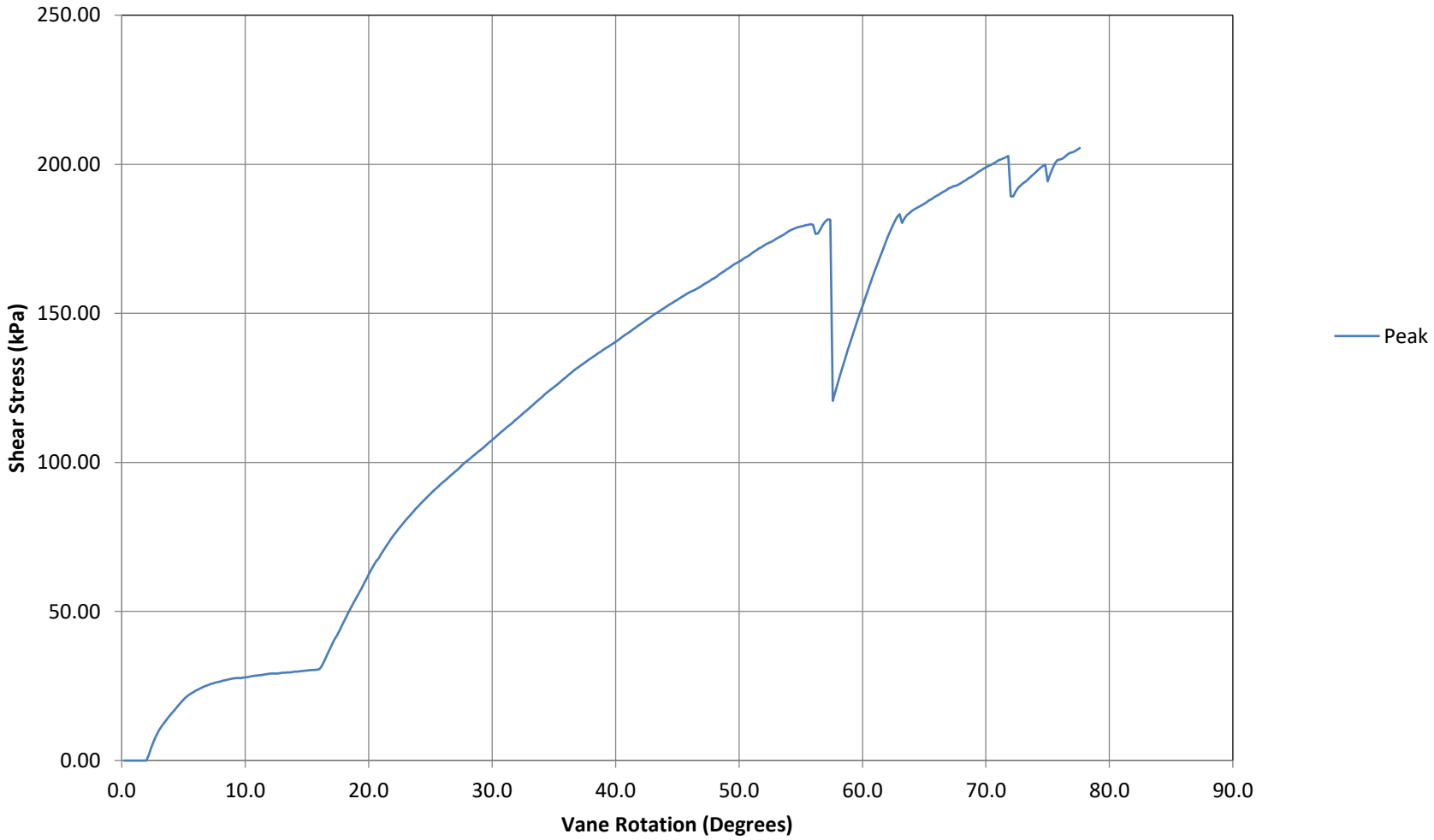


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-19

Test Date: 25-Oct-2021 06:36
Test Depth (m): 3.05
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406528
Easting (m): 473370

Vane Shear Test

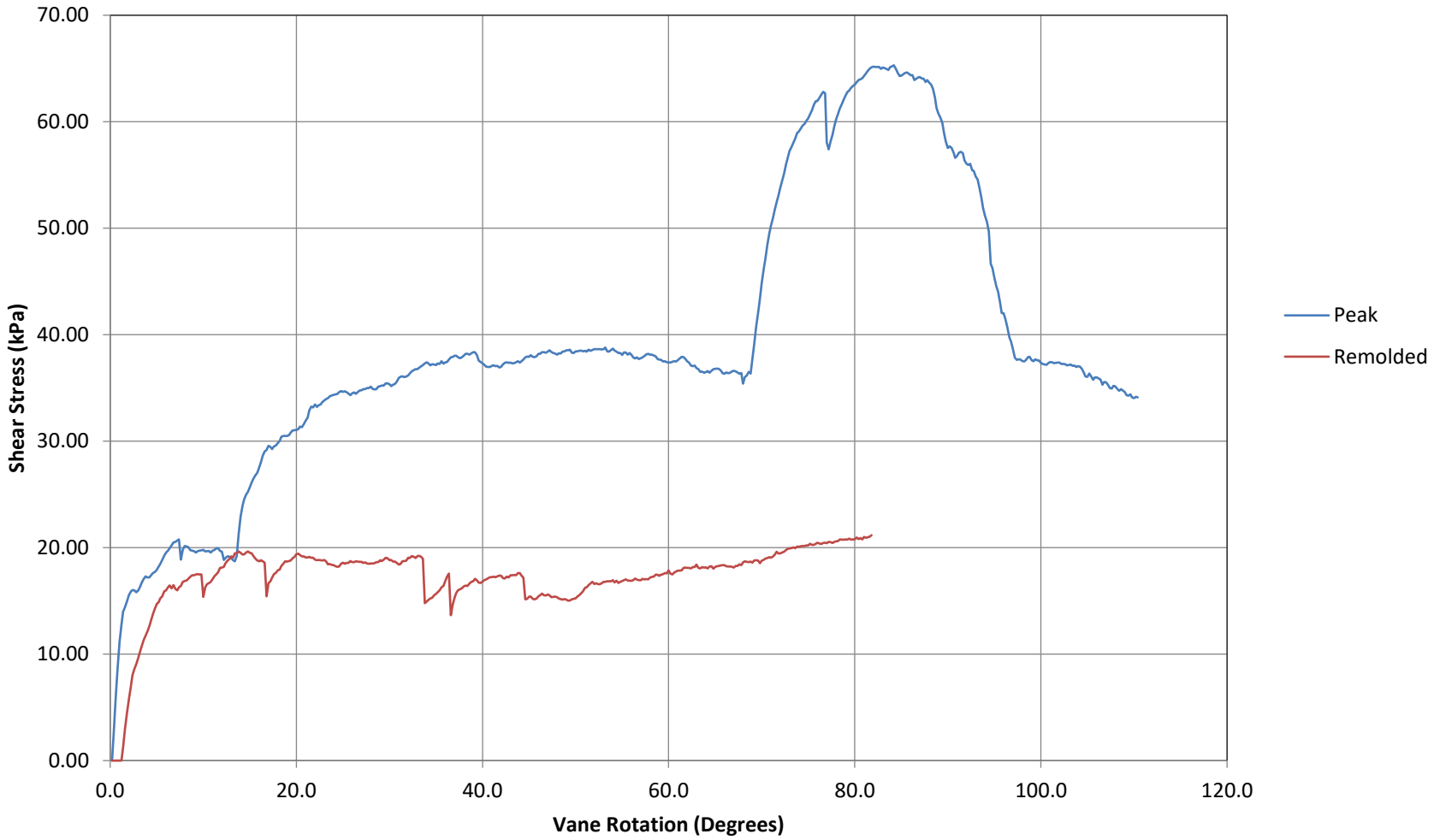


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-19

Test Date: 25-Oct-2021 08:14
Test Depth (m): 6.10
Vane Type: Adara solid double tapered 40 x 80 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406528
Easting (m): 473370

Vane Shear Test

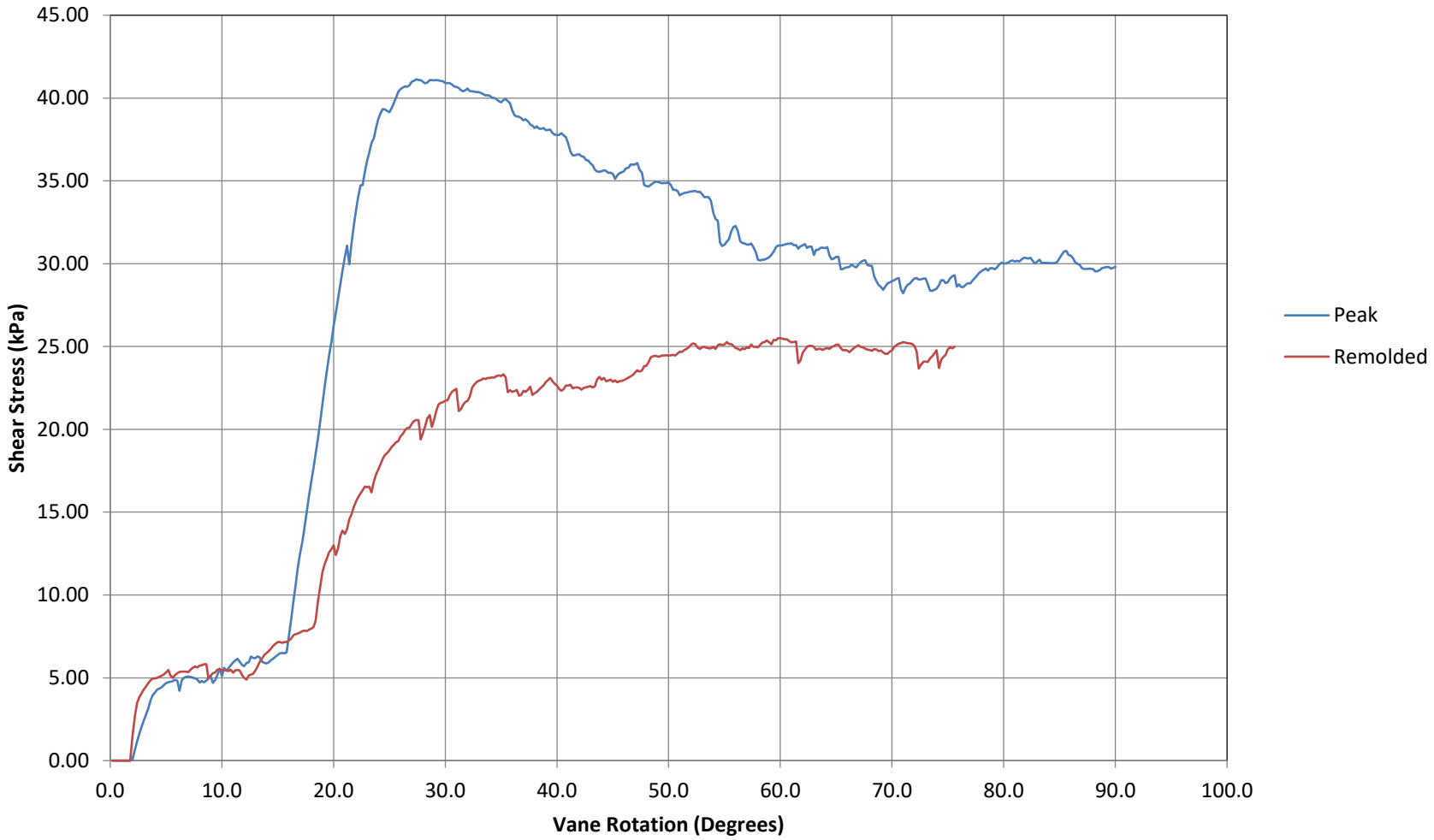


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-19

Test Date: 25-Oct-2021 10:27
Test Depth (m): 9.14
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5406528
Easting (m): 473370

Vane Shear Test

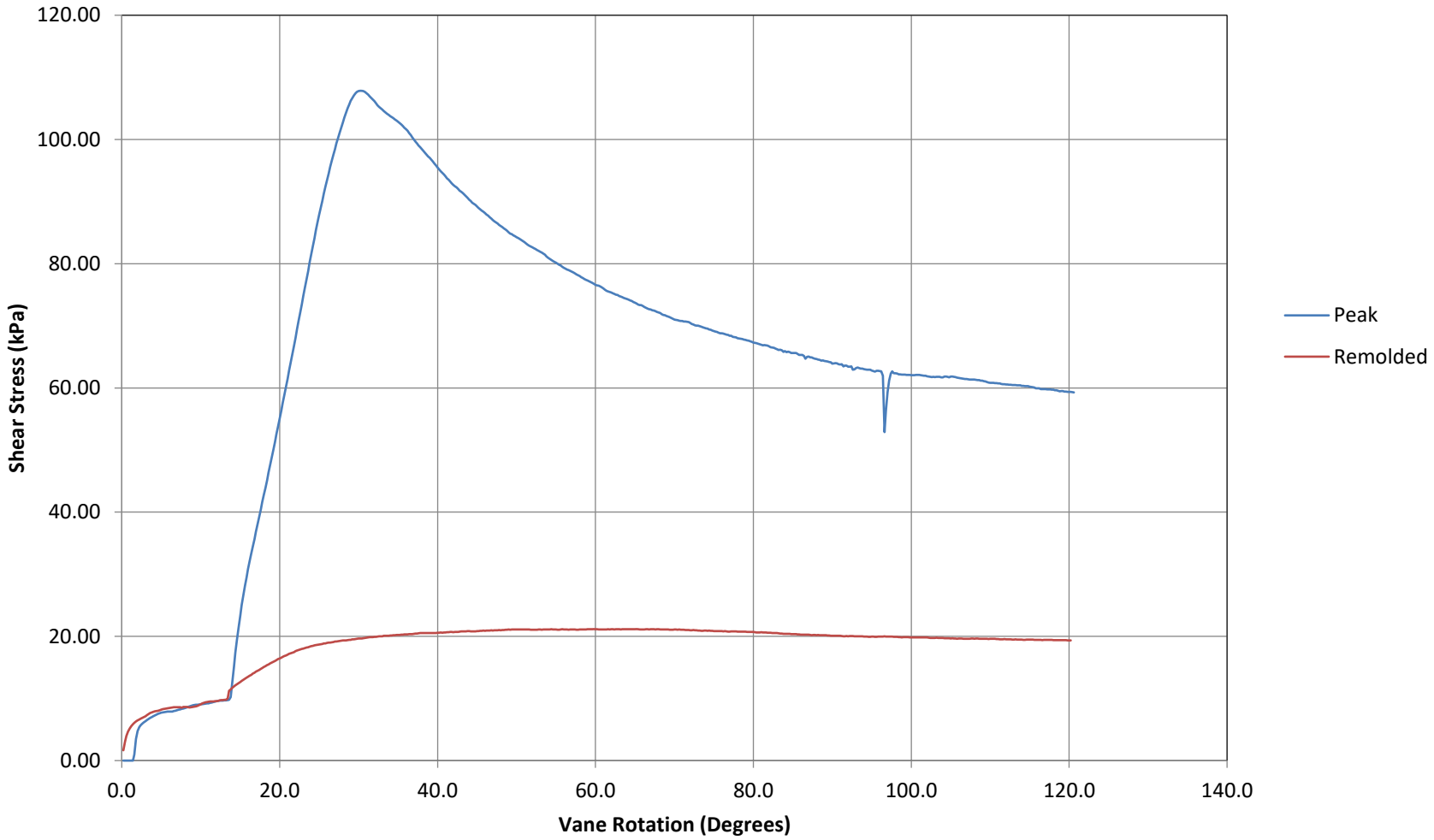


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-22

Test Date: 17-Mar-2022 10:36
Test Depth (m): 4.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407078
Easting (m): 473627

Vane Shear Test

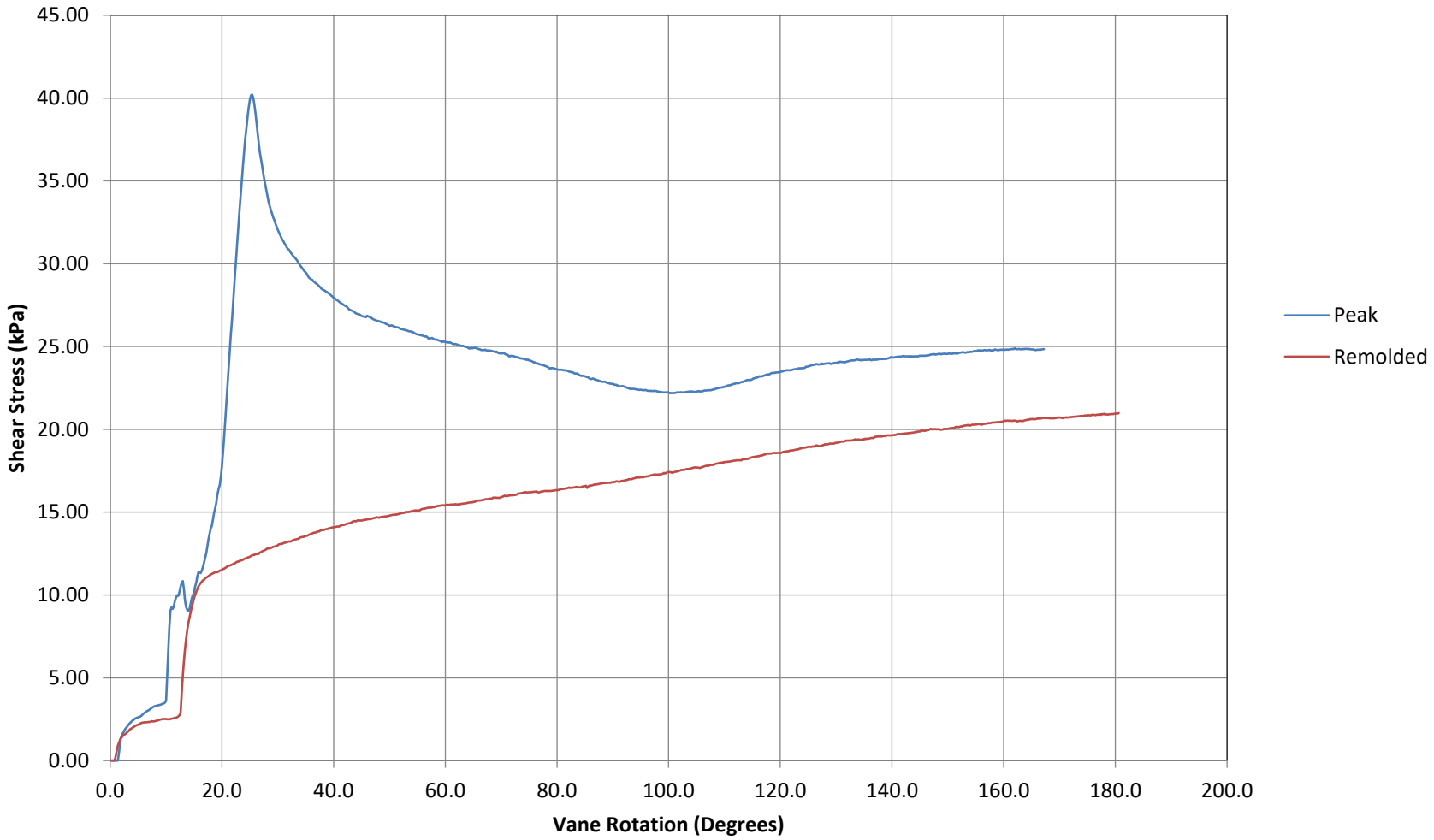


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-22

Test Date: 17-Mar-2022 13:24
Test Depth (m): 13.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407078
Easting (m): 473627

Vane Shear Test

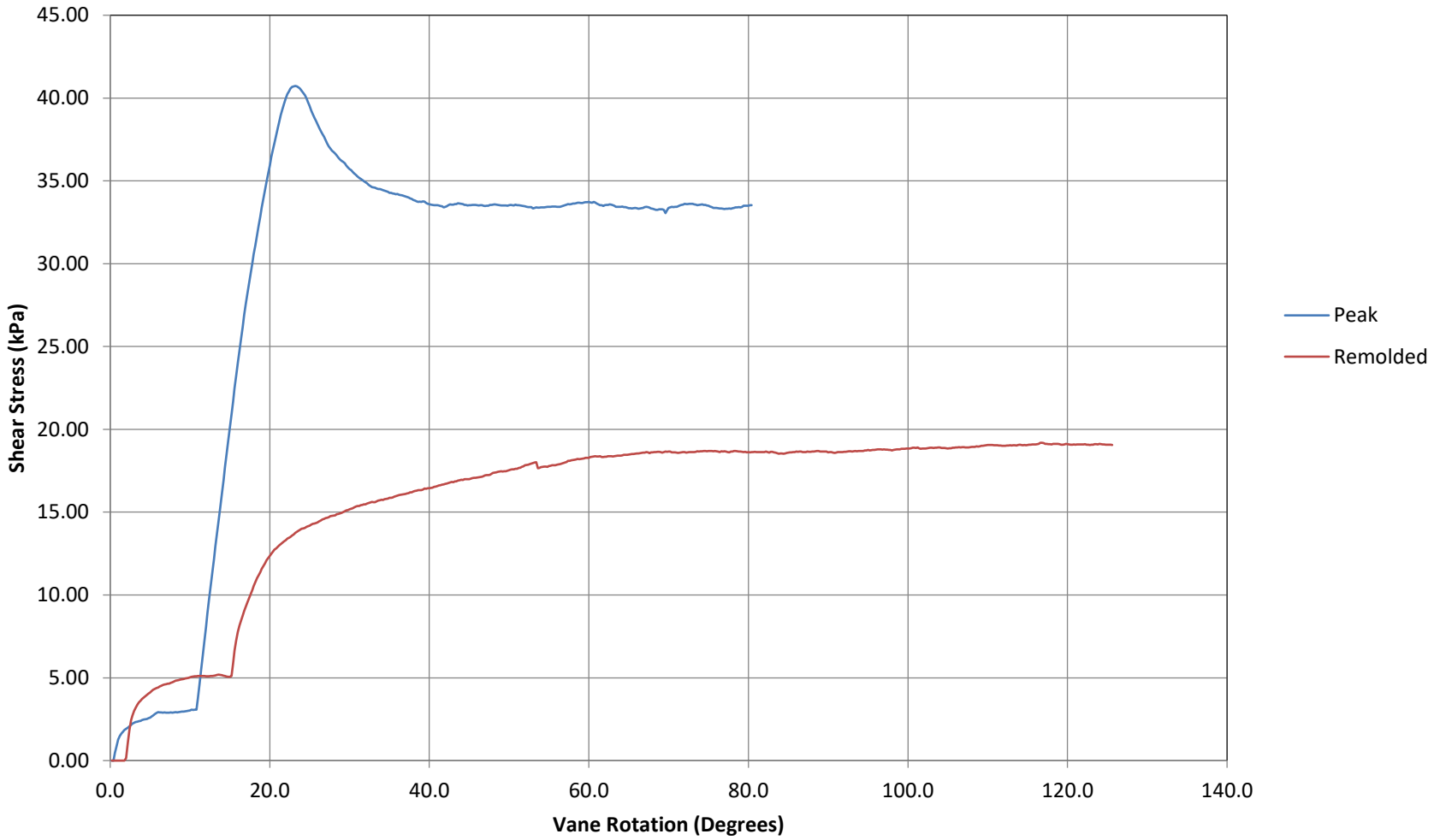


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-22

Test Date: 17-Mar-2022 21:21
Test Depth (m): 17.98
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407078
Easting (m): 473627

Vane Shear Test

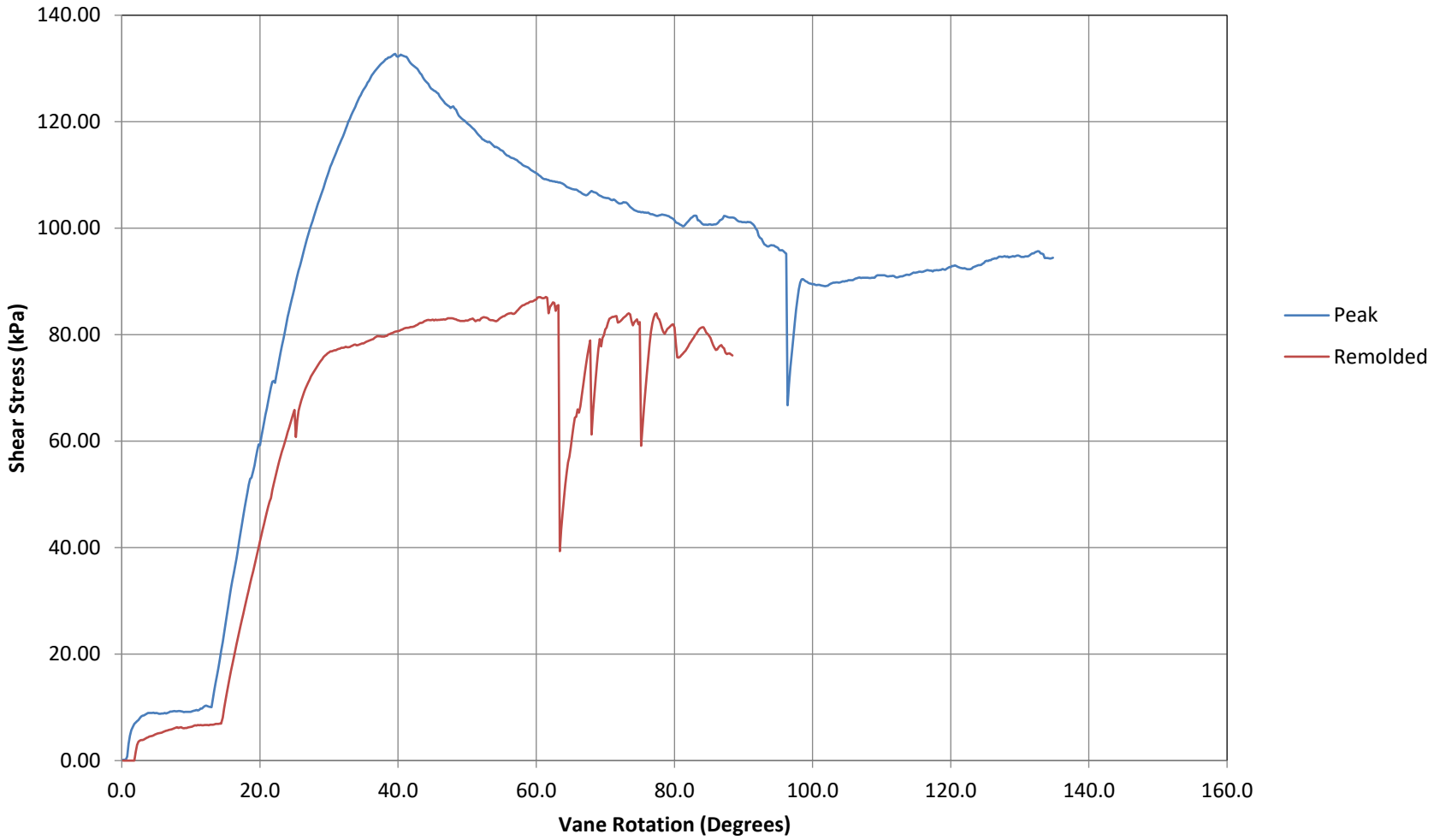


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-22

Test Date: 17-Mar-2022 23:37
Test Depth (m): 22.86
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407078
Easting (m): 473627

Vane Shear Test

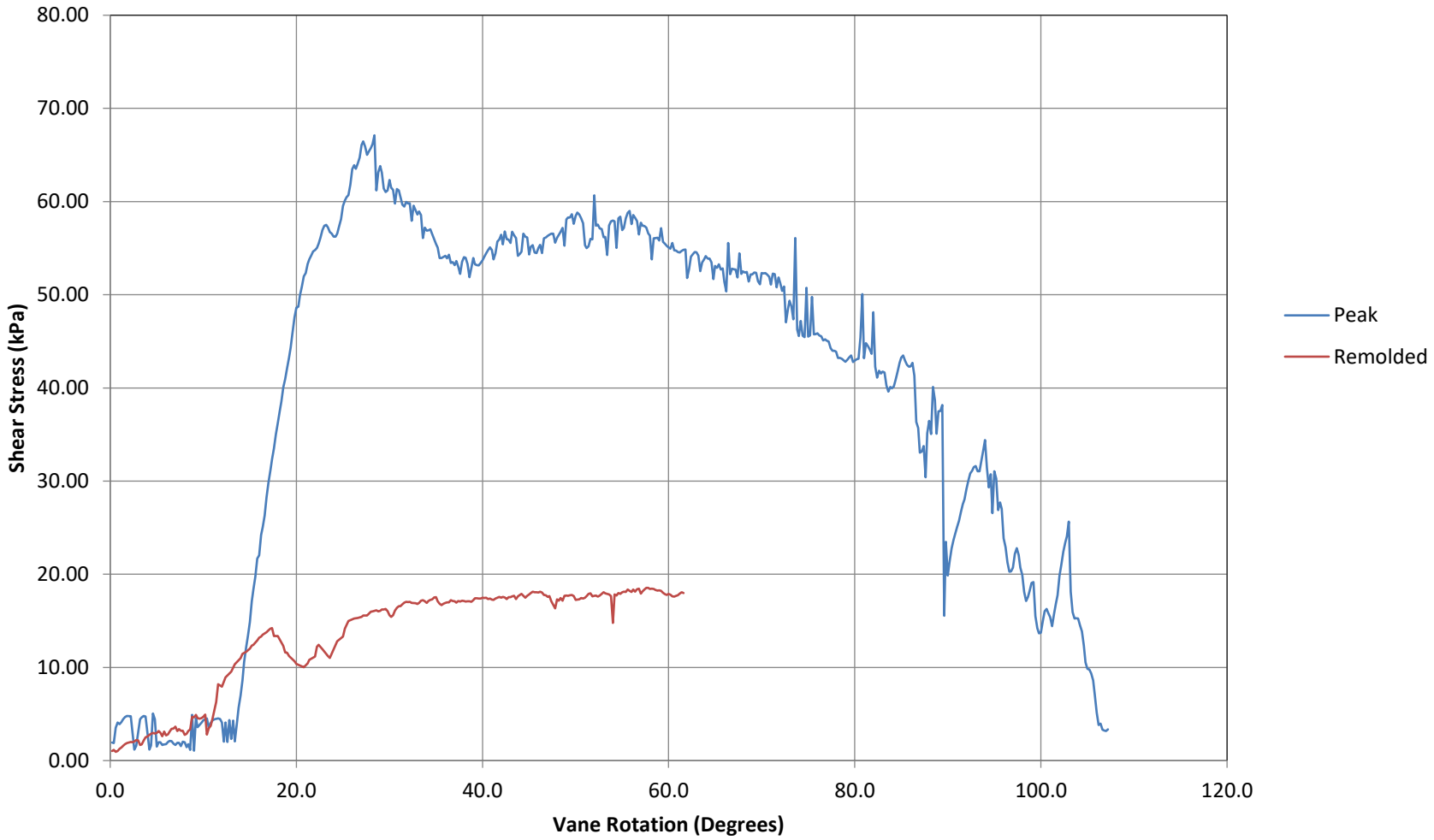


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-23

Test Date: 15-Feb-2022 01:13
Test Depth (m): 5.94
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407082
Easting (m): 475197

Vane Shear Test

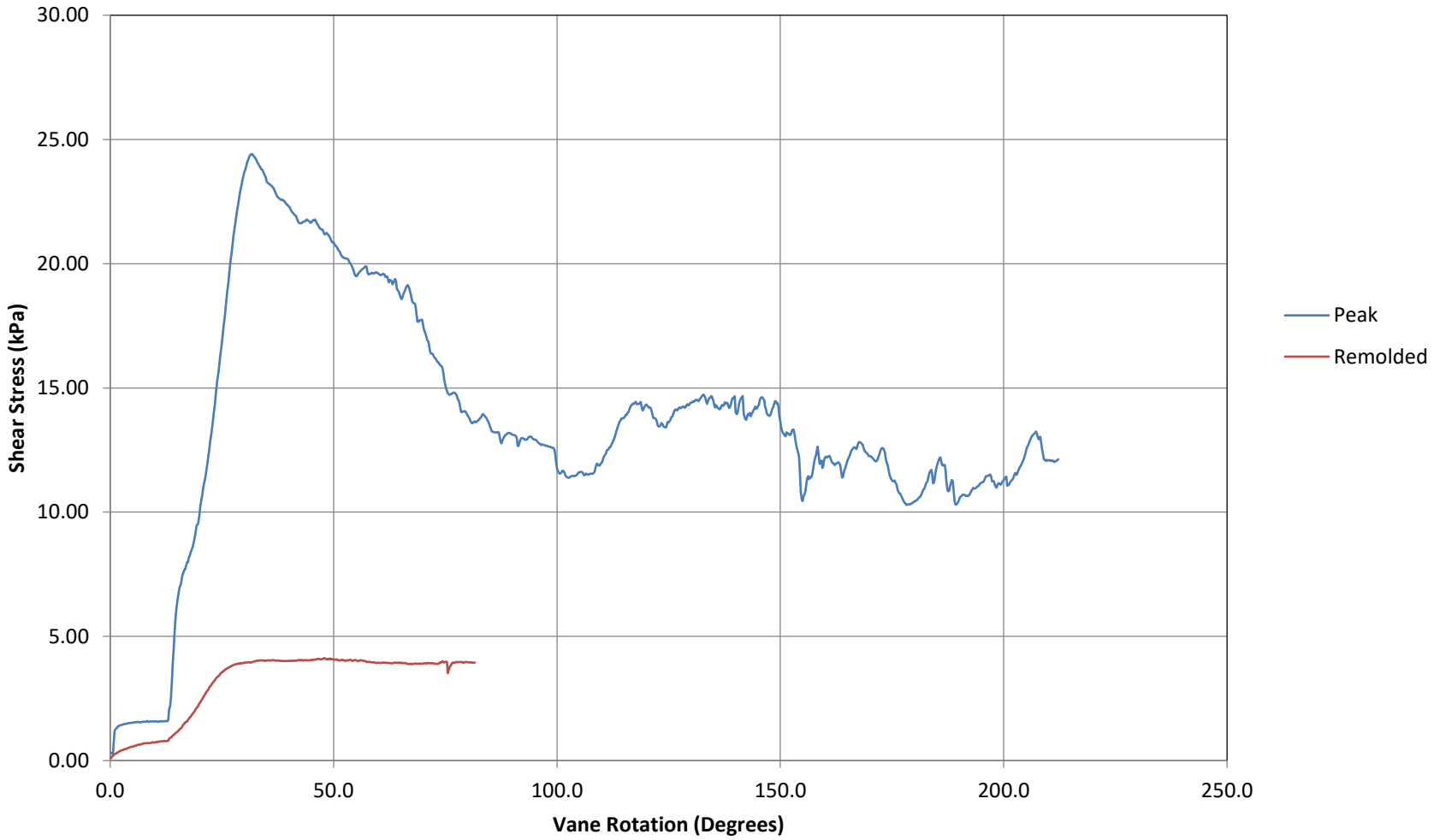


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-23

Test Date: 15-Feb-2022 09:43
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407082
Easting (m): 475197

Vane Shear Test

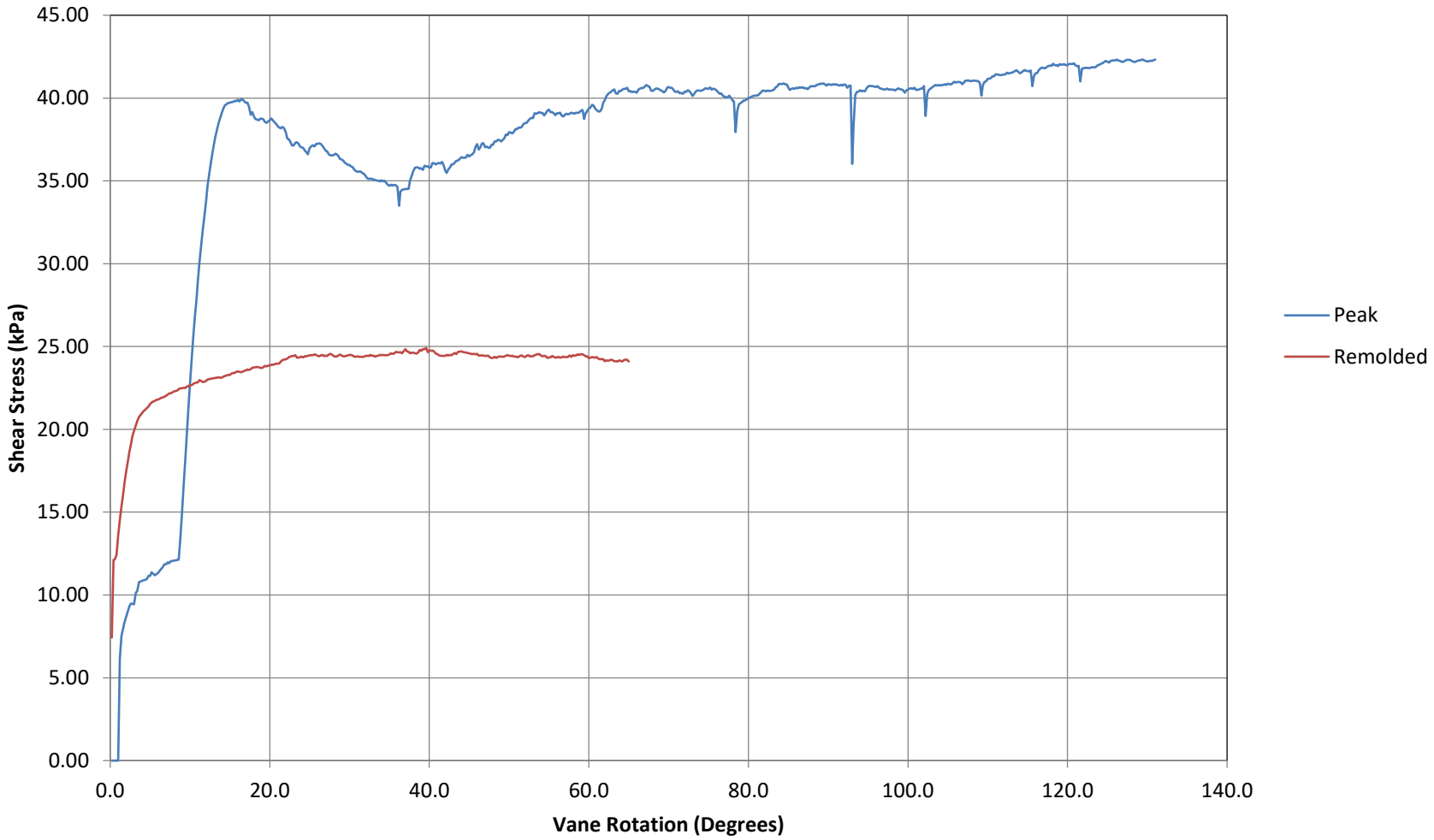


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-26

Test Date: 13-Mar-2022 04:05
Test Depth (m): 6.70
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405897
Easting (m): 472163

Vane Shear Test

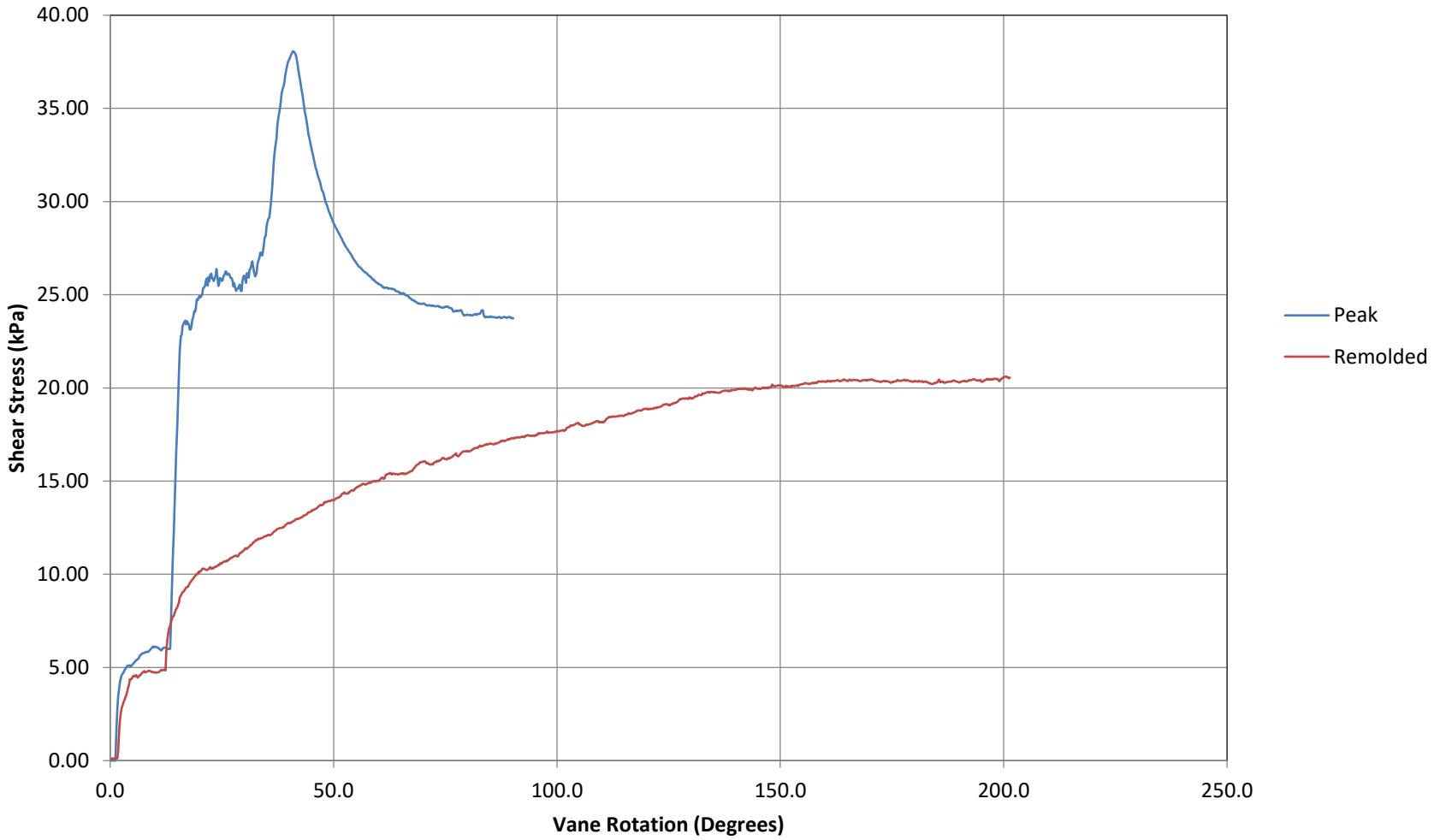


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-26

Test Date: 13-Mar-2022 09:52
Test Depth (m): 11.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405897
Easting (m): 472163

Vane Shear Test

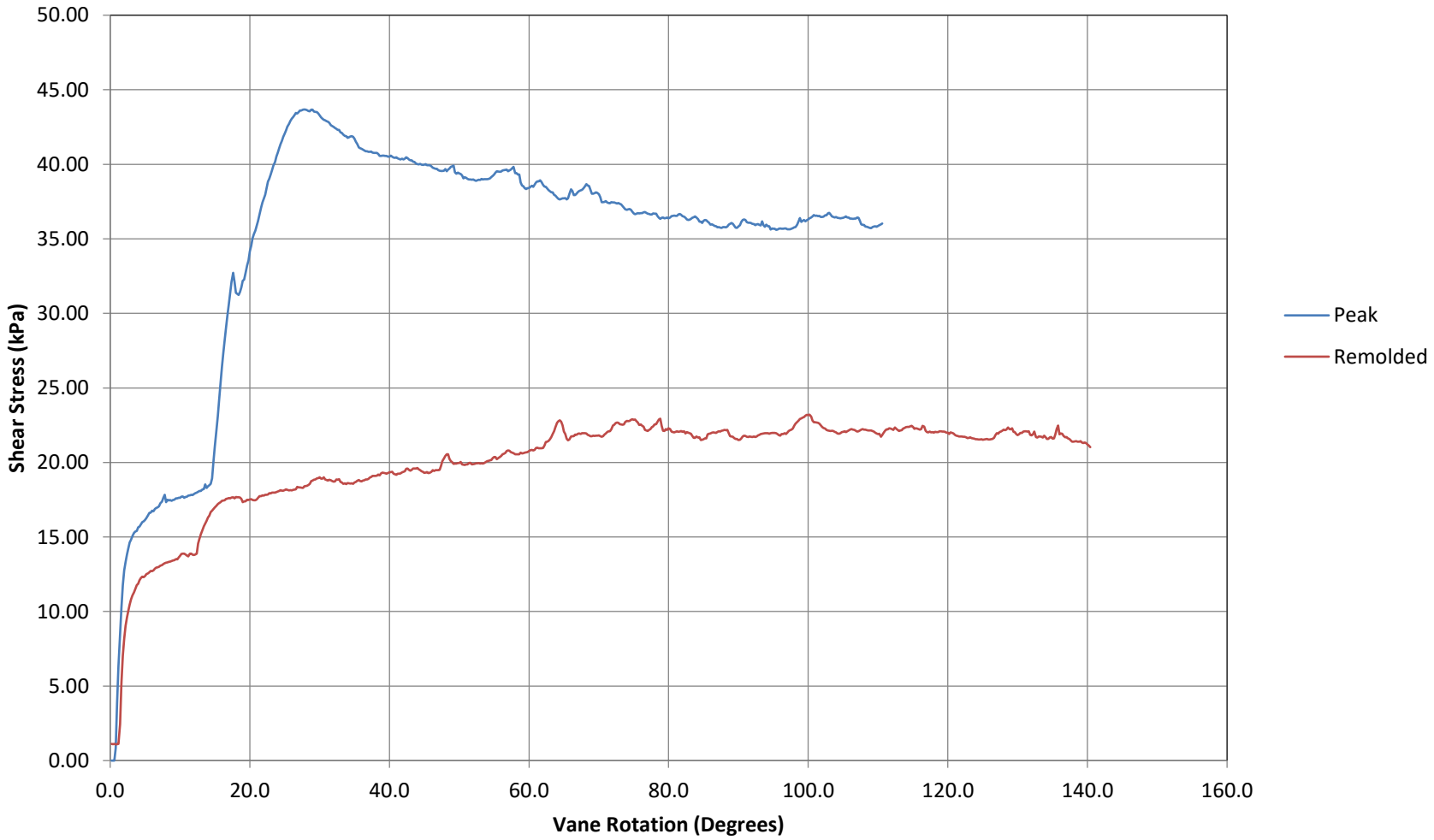


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-26

Test Date: 13-Mar-2022 11:13
Test Depth (m): 12.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405897
Easting (m): 472163

Vane Shear Test

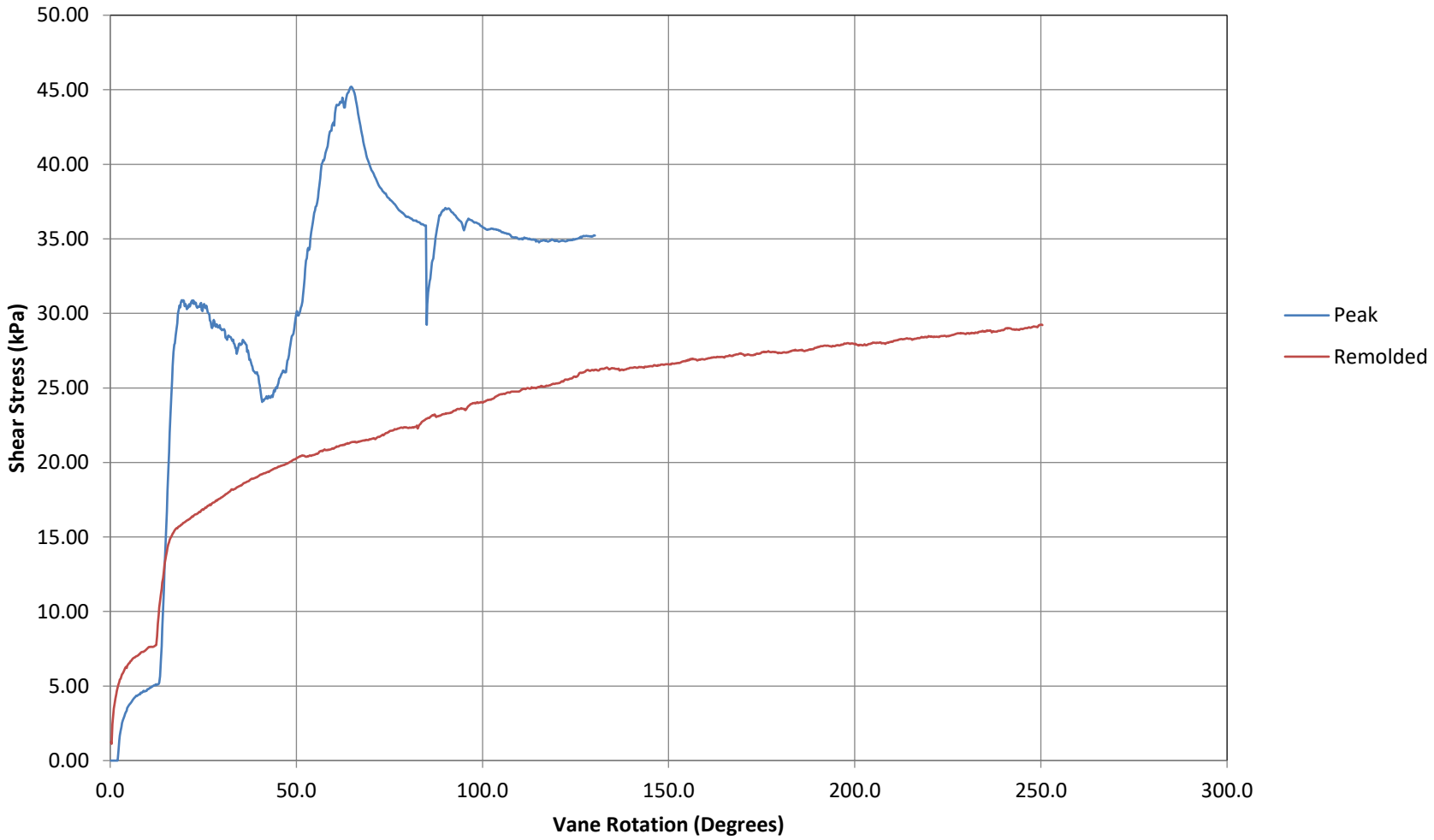


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-26

Test Date: 13-Mar-2022 13:07
Test Depth (m): 13.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405897
Easting (m): 472163

Vane Shear Test

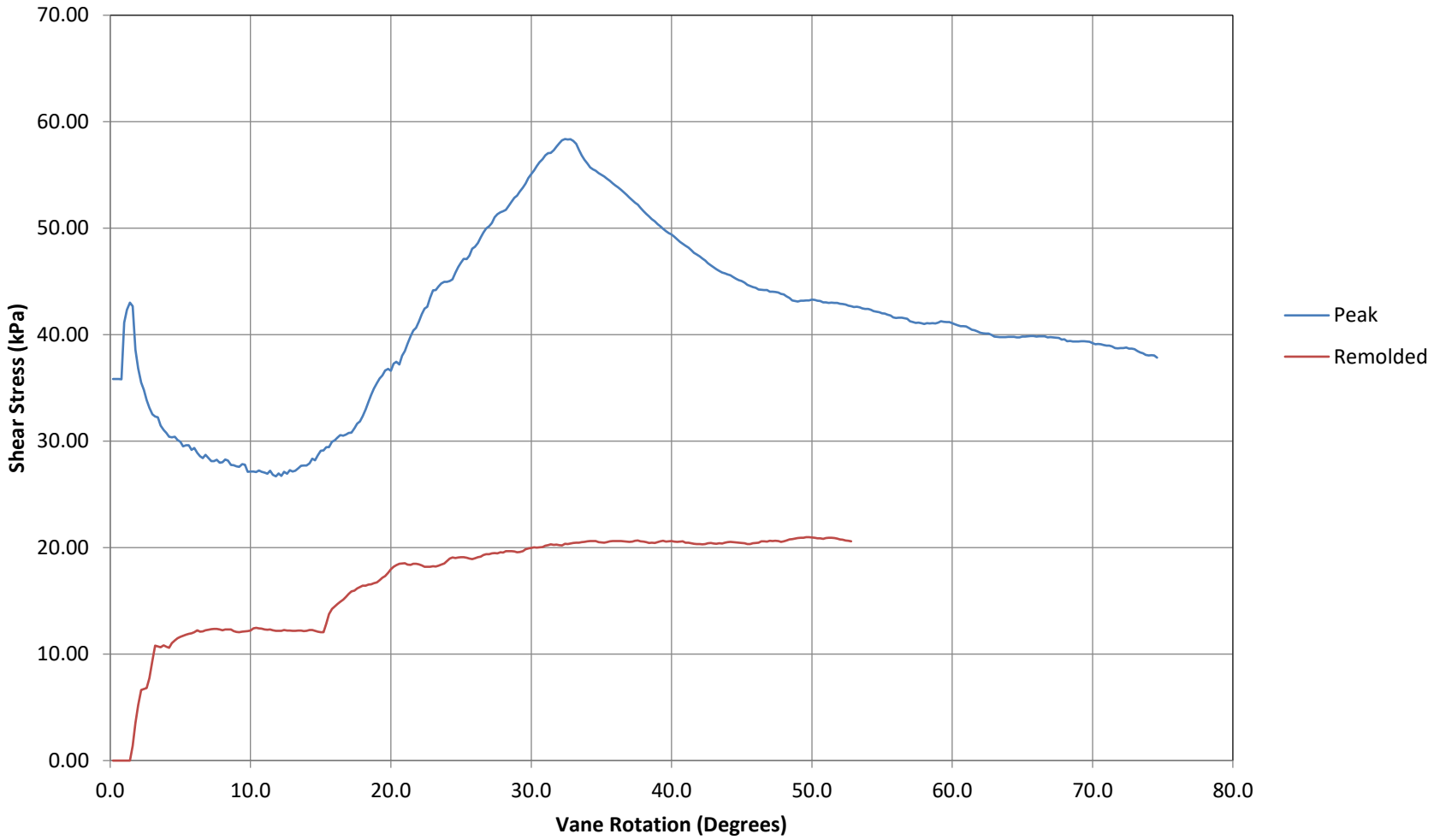


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-27

Test Date: 05-Feb-2022 00:26
Test Depth (m): 15.55
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405734
Easting (m): 476769

Vane Shear Test

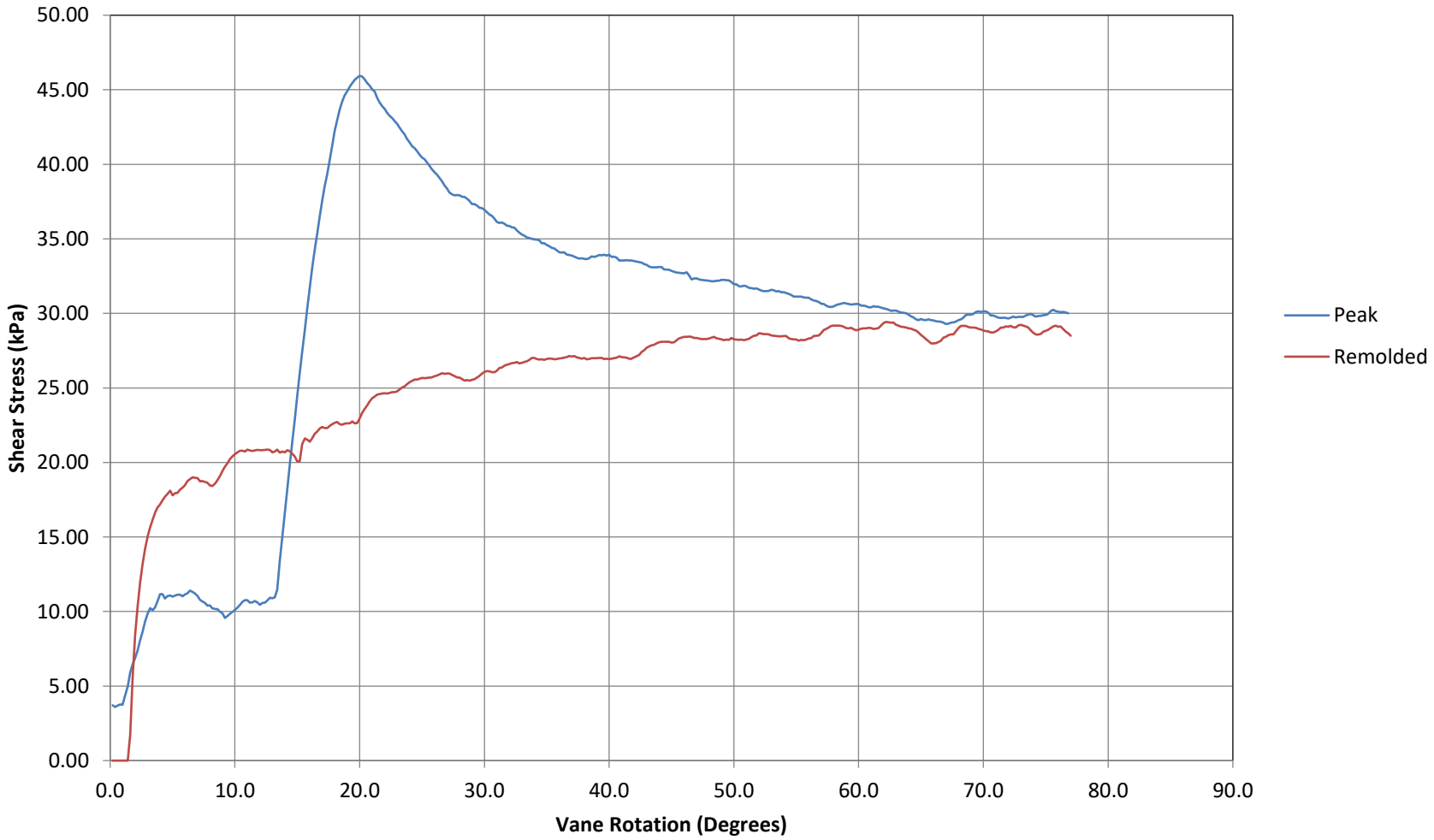


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-27

Test Date: 05-Feb-2022 01:08
Test Depth (m): 15.85
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405734
Easting (m): 476769

Vane Shear Test

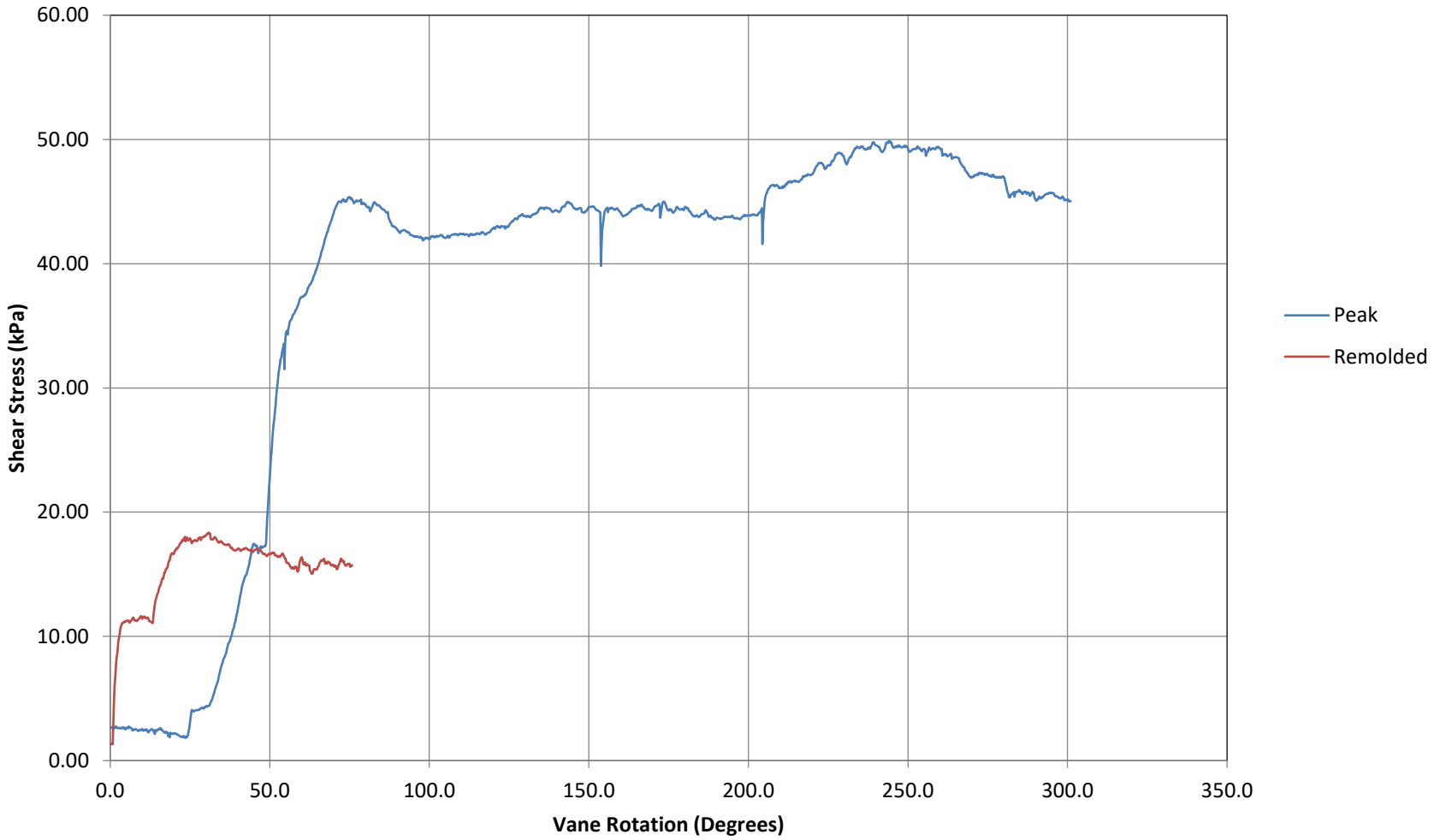


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-27B

Test Date: 10-Feb-2022 10:18
Test Depth (m): 19.78
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5405731
Easting (m): 476772

Vane Shear Test

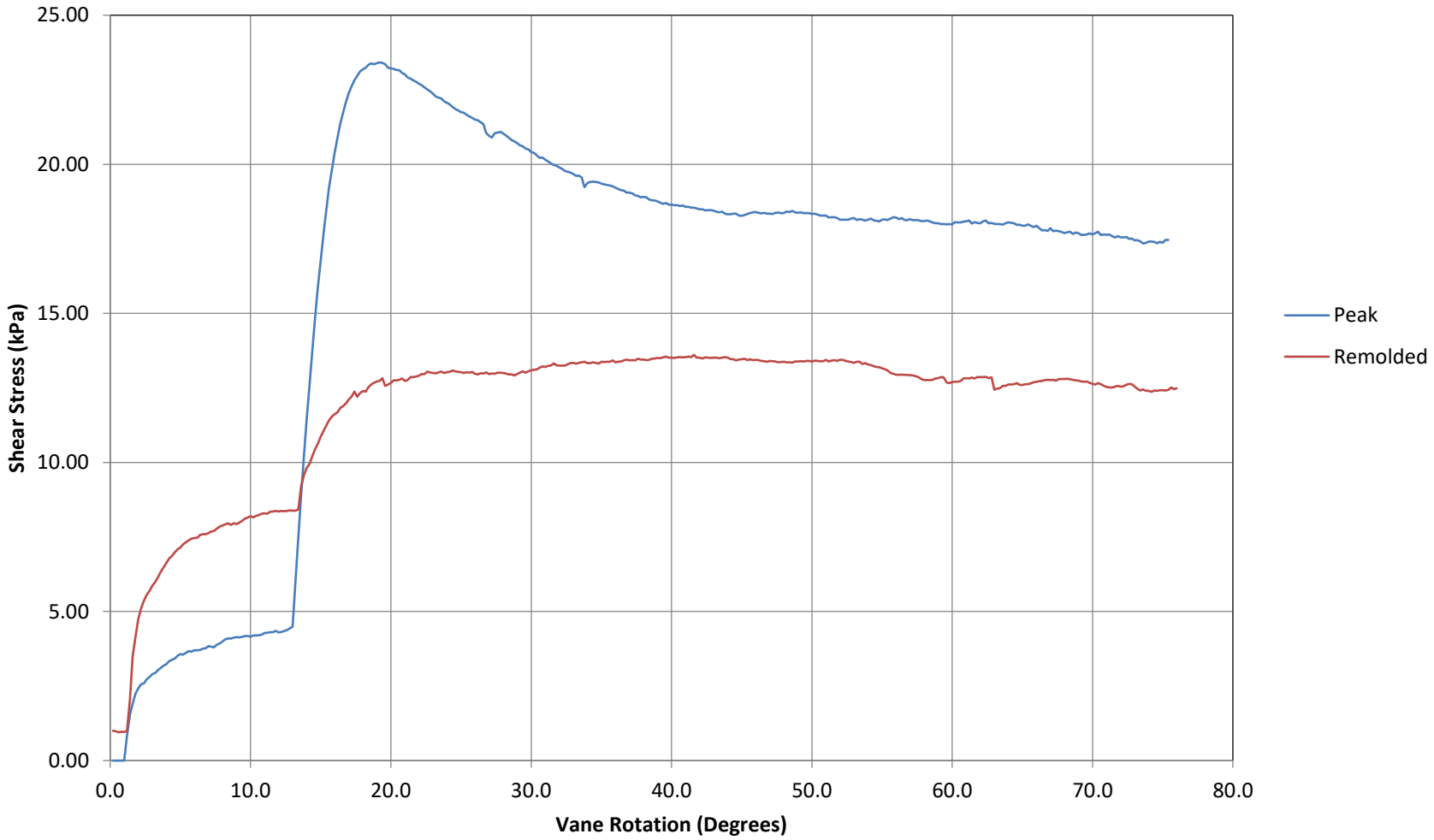


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-28

Test Date: 11-Mar-2022 14:37
Test Depth (m): 6.71
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5404752
Easting (m): 472174

Vane Shear Test

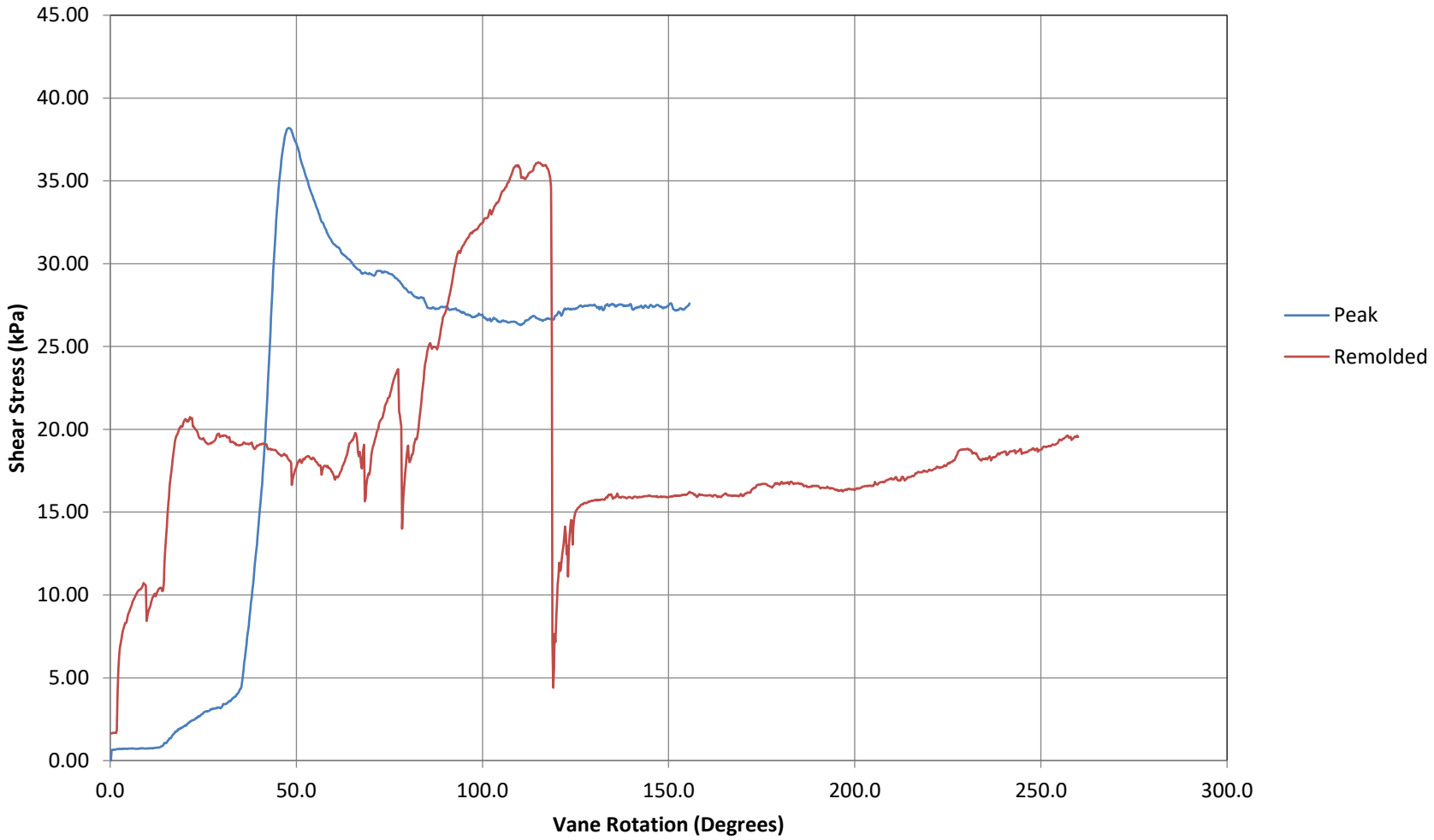


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-28

Test Date: 11-Mar-2022 20:57
Test Depth (m): 11.00
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5404752
Easting (m): 472174

Vane Shear Test

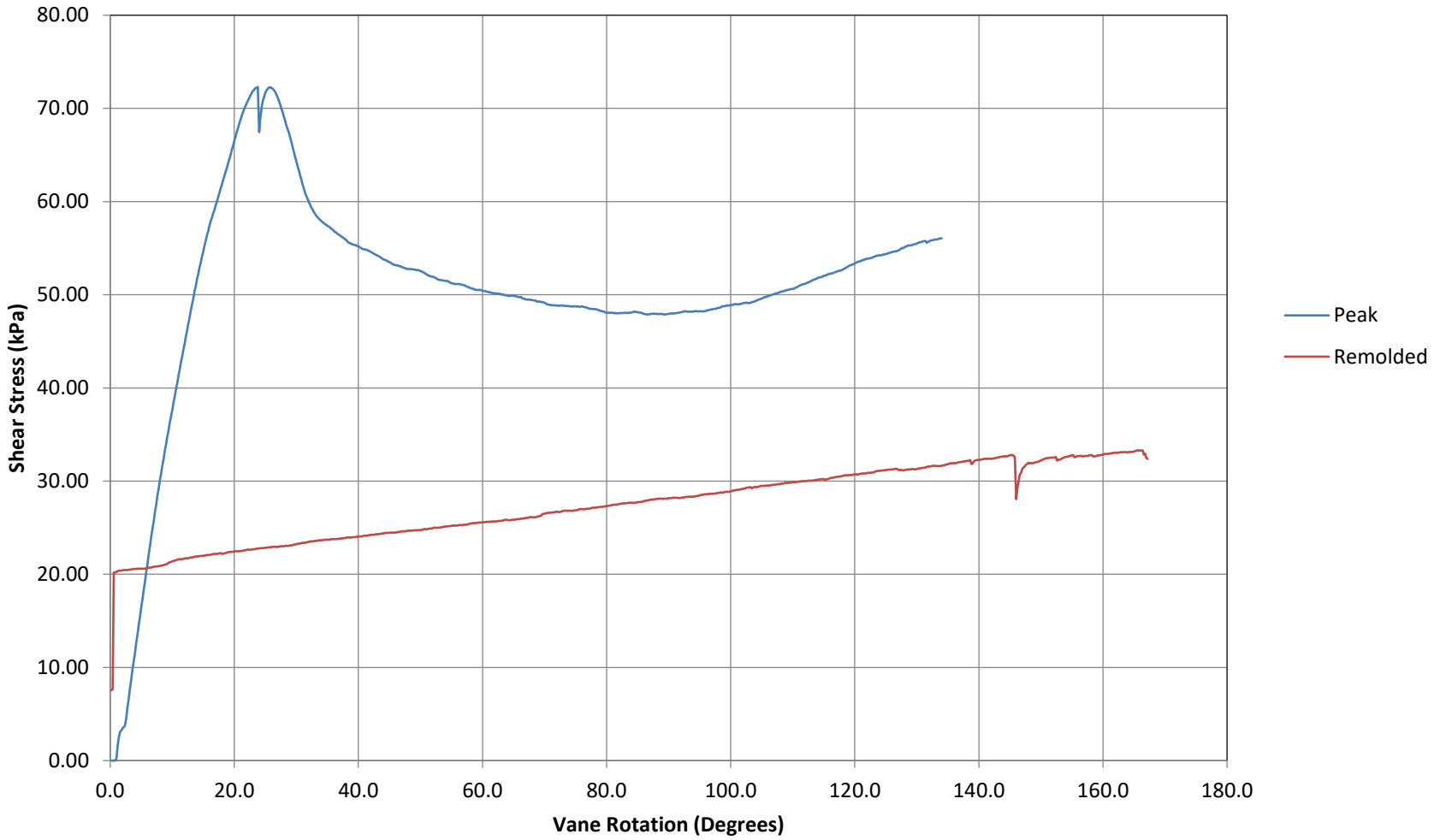


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-28

Test Date: 12-Mar-2022 00:41
Test Depth (m): 17.00
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5404752
Easting (m): 472174

Vane Shear Test

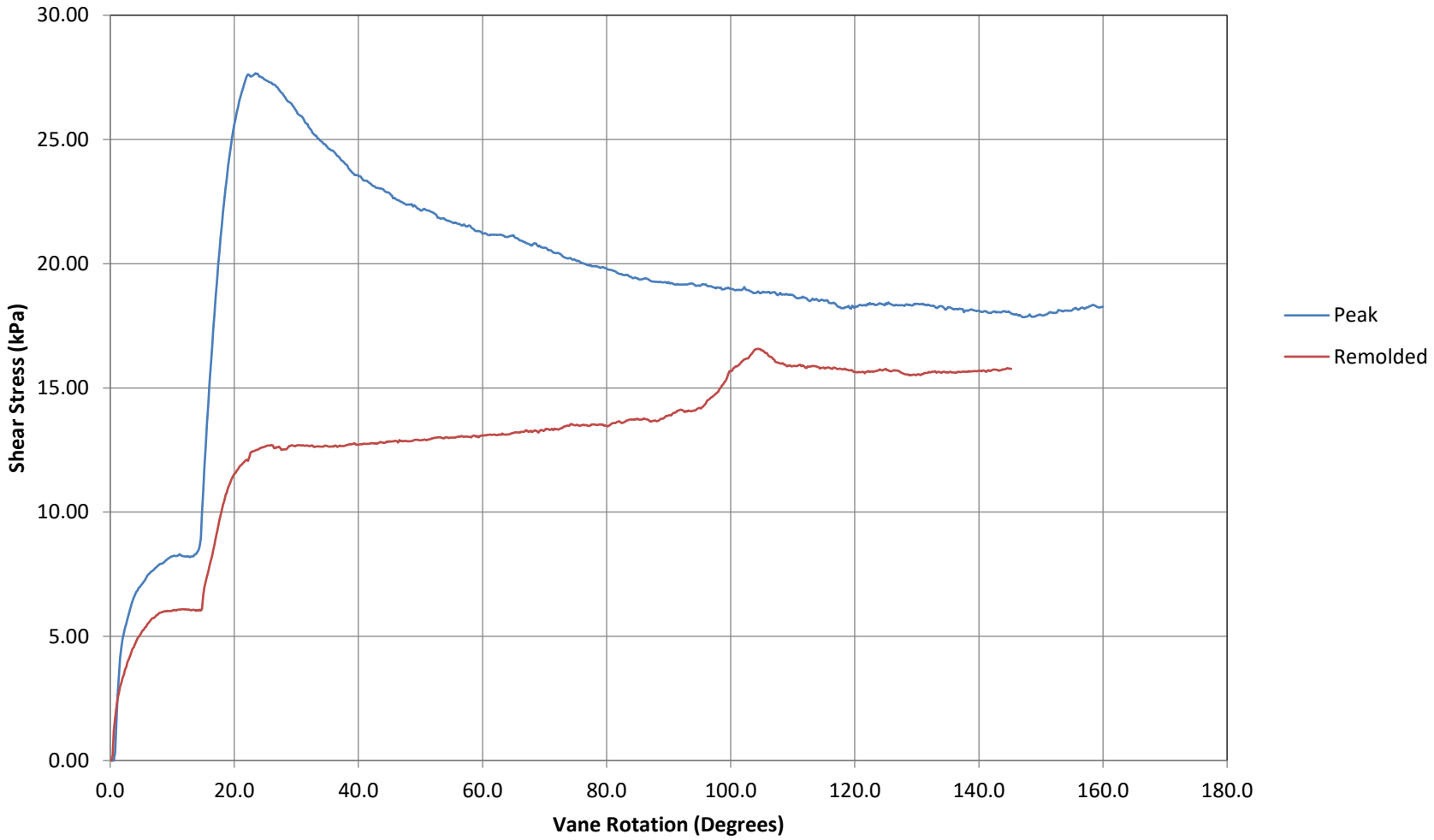


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-30

Test Date: 26-Mar-2022 22:17
Test Depth (m): 3.96
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5403615
Easting (m): 473199

Vane Shear Test

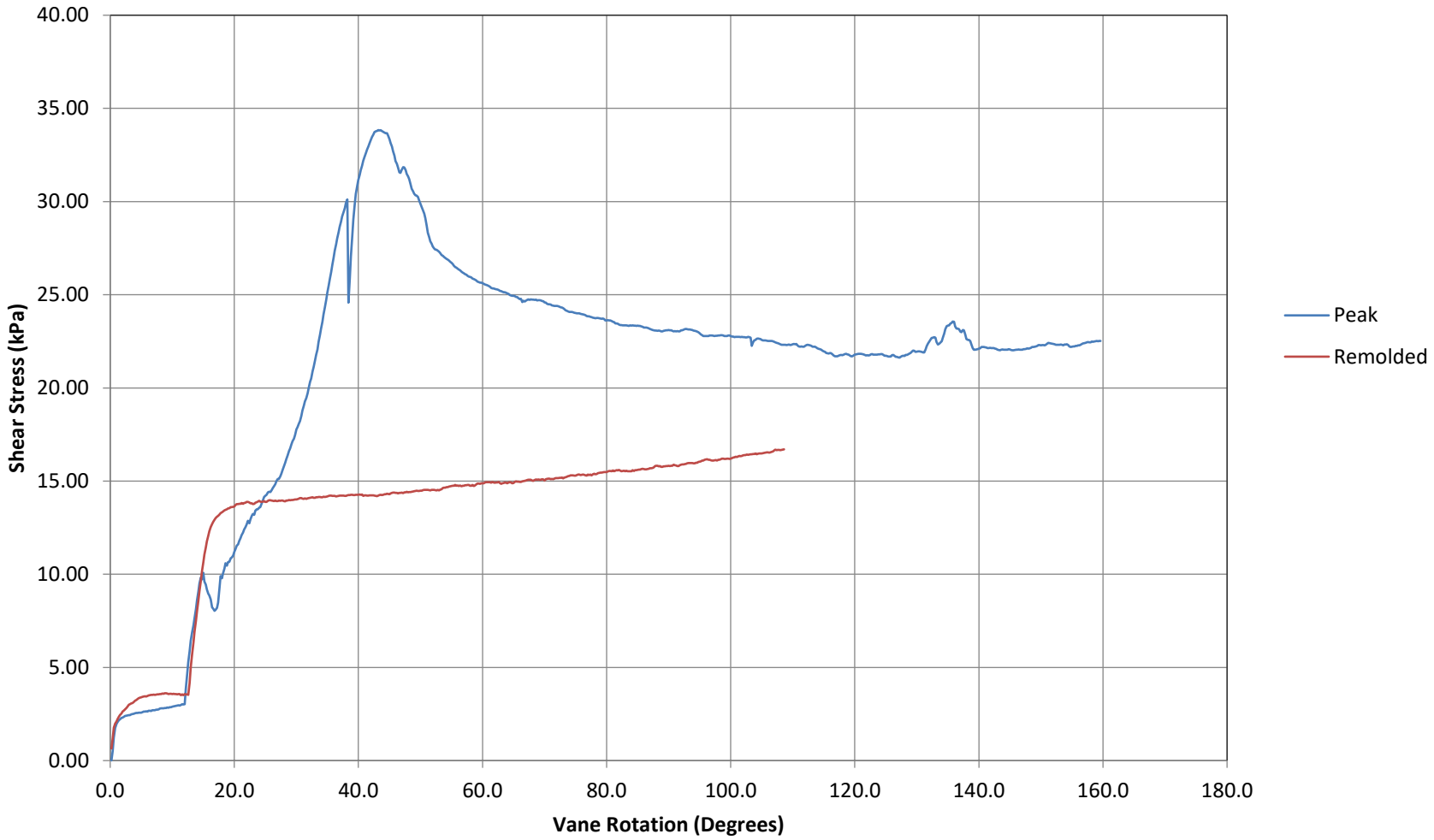


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-30

Test Date: 27-Mar-2022 01:18
Test Depth (m): 8.23
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5403615
Easting (m): 473199

Vane Shear Test

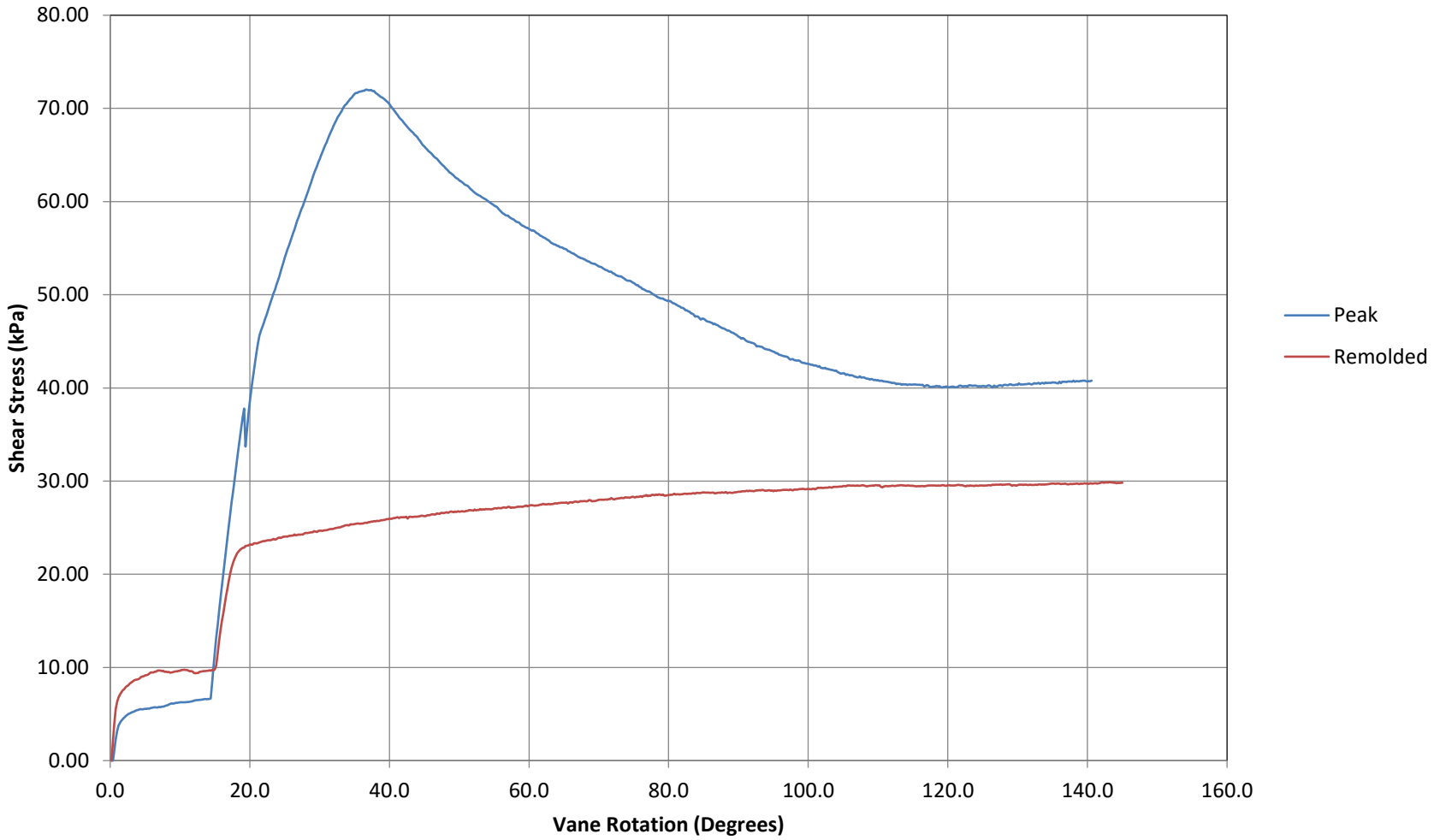


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-30

Test Date: 27-Mar-2022 08:37
Test Depth (m): 13.11
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5403615
Easting (m): 473199

Vane Shear Test

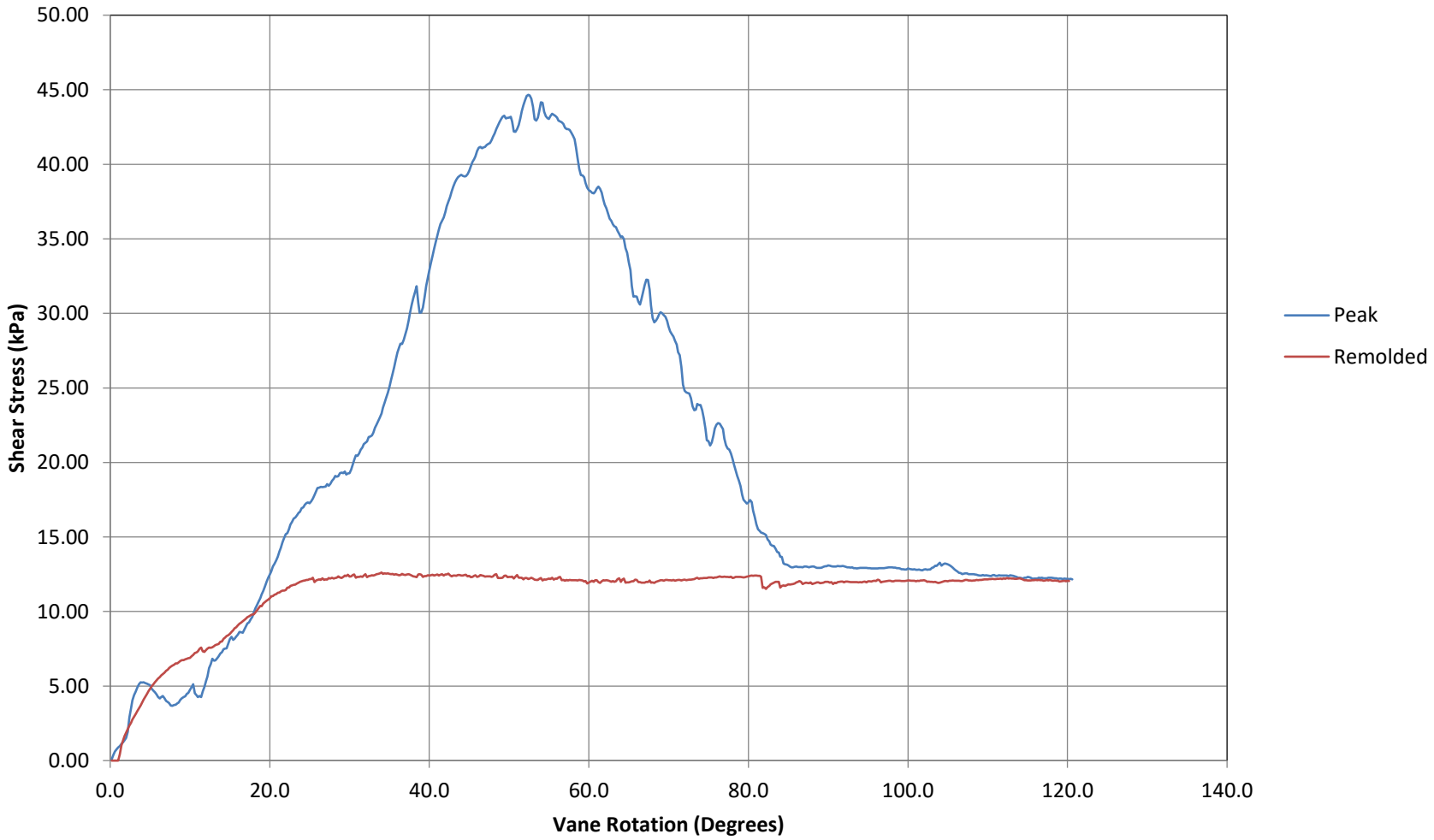


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-31

Test Date: 19-Mar-2022 12:35
Test Depth (m): 6.10
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5403414
Easting (m): 476614

Vane Shear Test

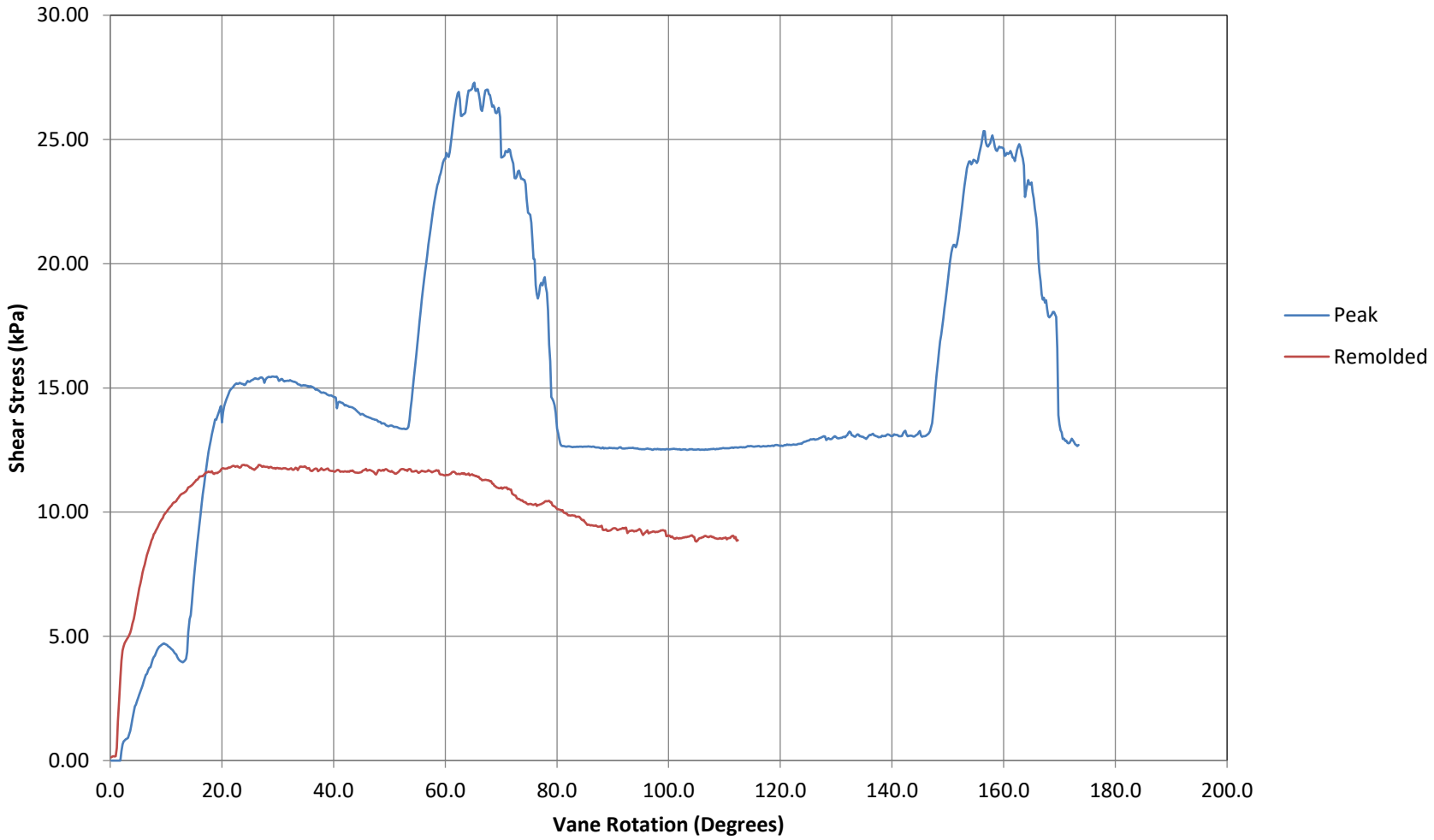


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-31

Test Date: 19-Mar-2022 21:10
Test Depth (m): 14.02
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5403414
Easting (m): 476614

Vane Shear Test

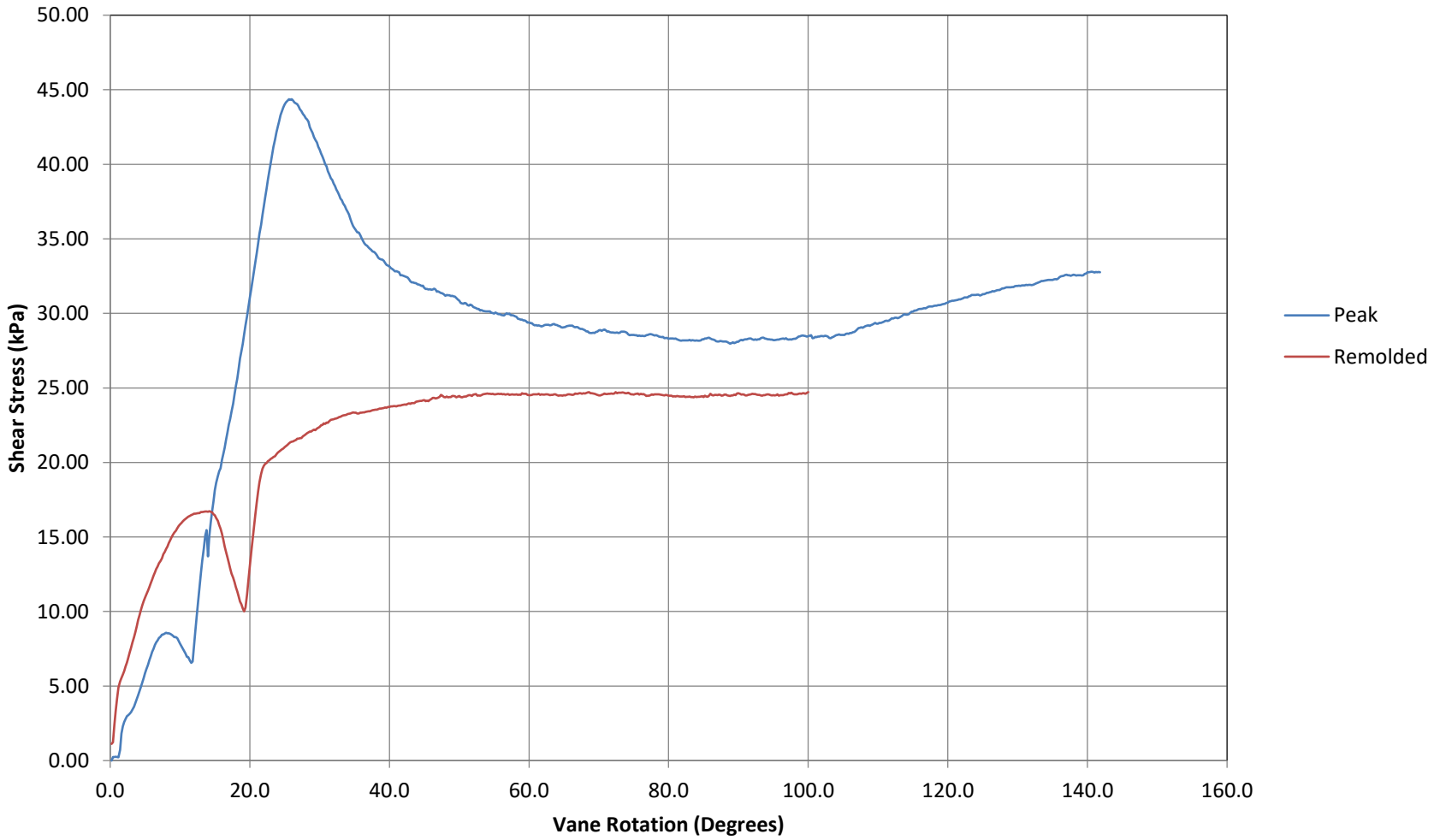


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-31

Test Date: 20-Mar-2022 00:04
Test Depth (m): 18.29
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5403414
Easting (m): 476614

Vane Shear Test

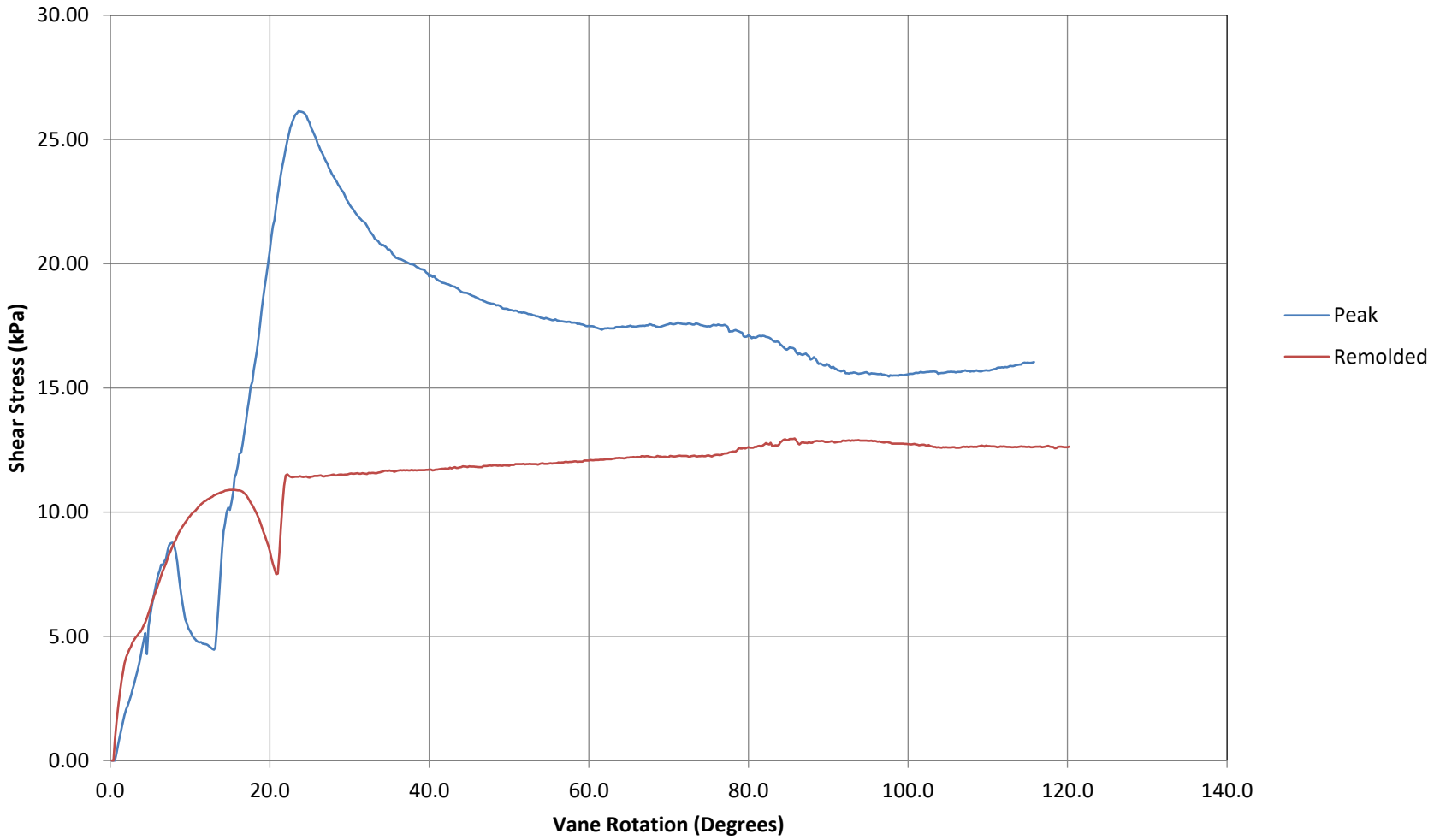


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-32

Test Date: 24-Mar-2022 20:29
Test Depth (m): 6.86
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5402570
Easting (m): 473325

Vane Shear Test

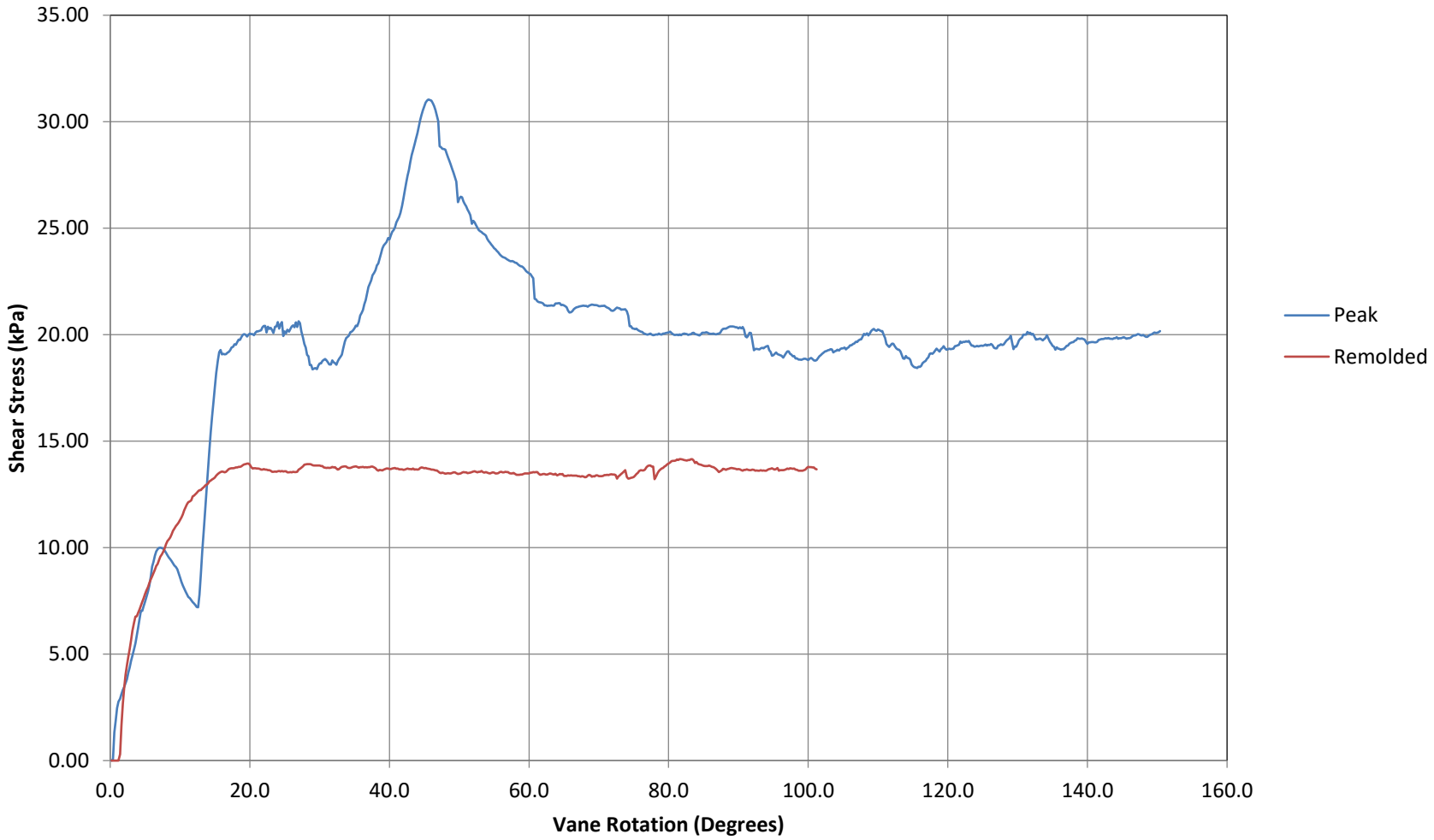


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-32

Test Date: 24-Mar-2022 21:37
Test Depth (m): 7.93
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5402570
Easting (m): 473325

Vane Shear Test

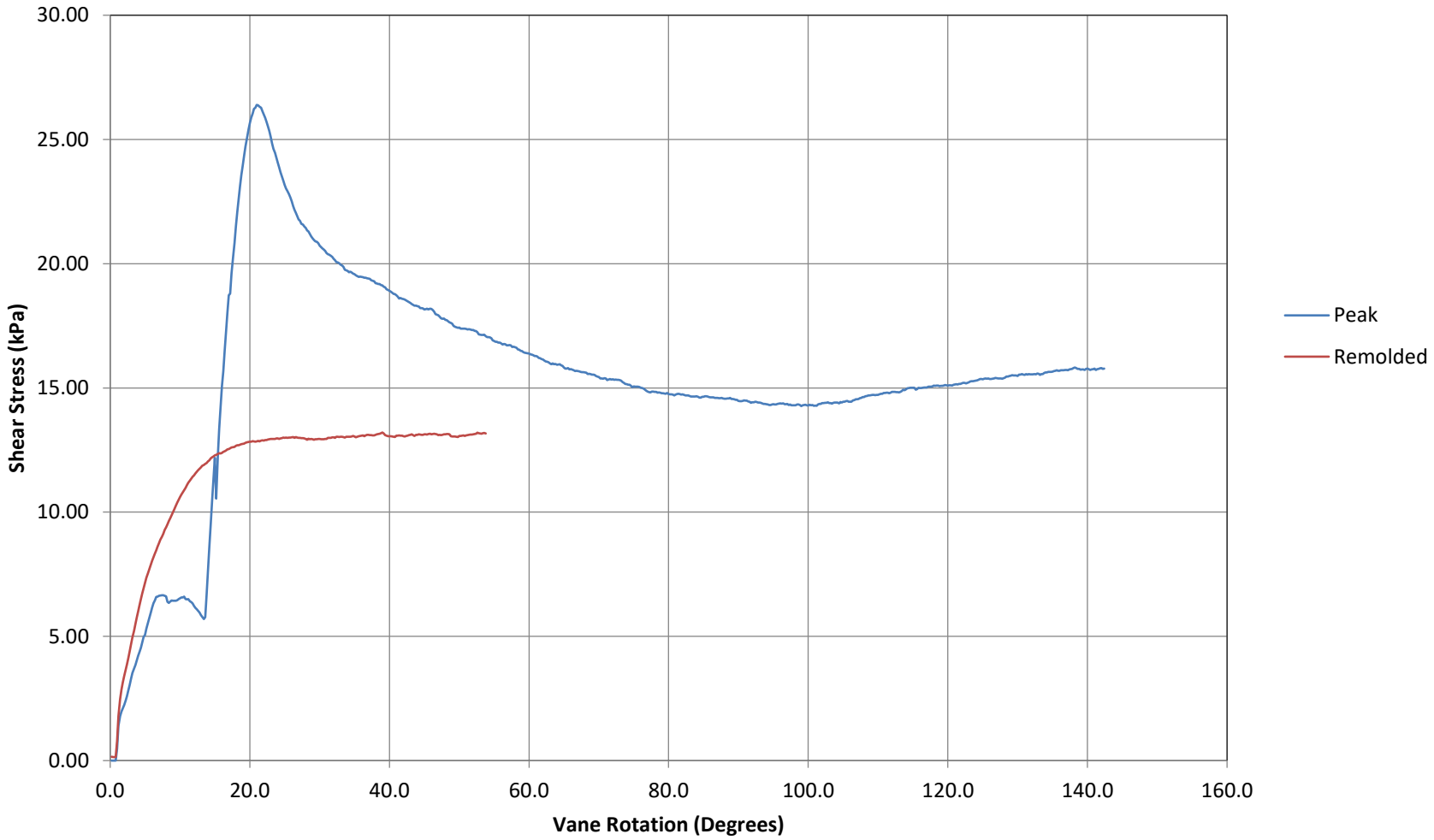


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-32

Test Date: 24-Mar-2022 23:15
Test Depth (m): 9.75
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5402570
Easting (m): 473325

Vane Shear Test

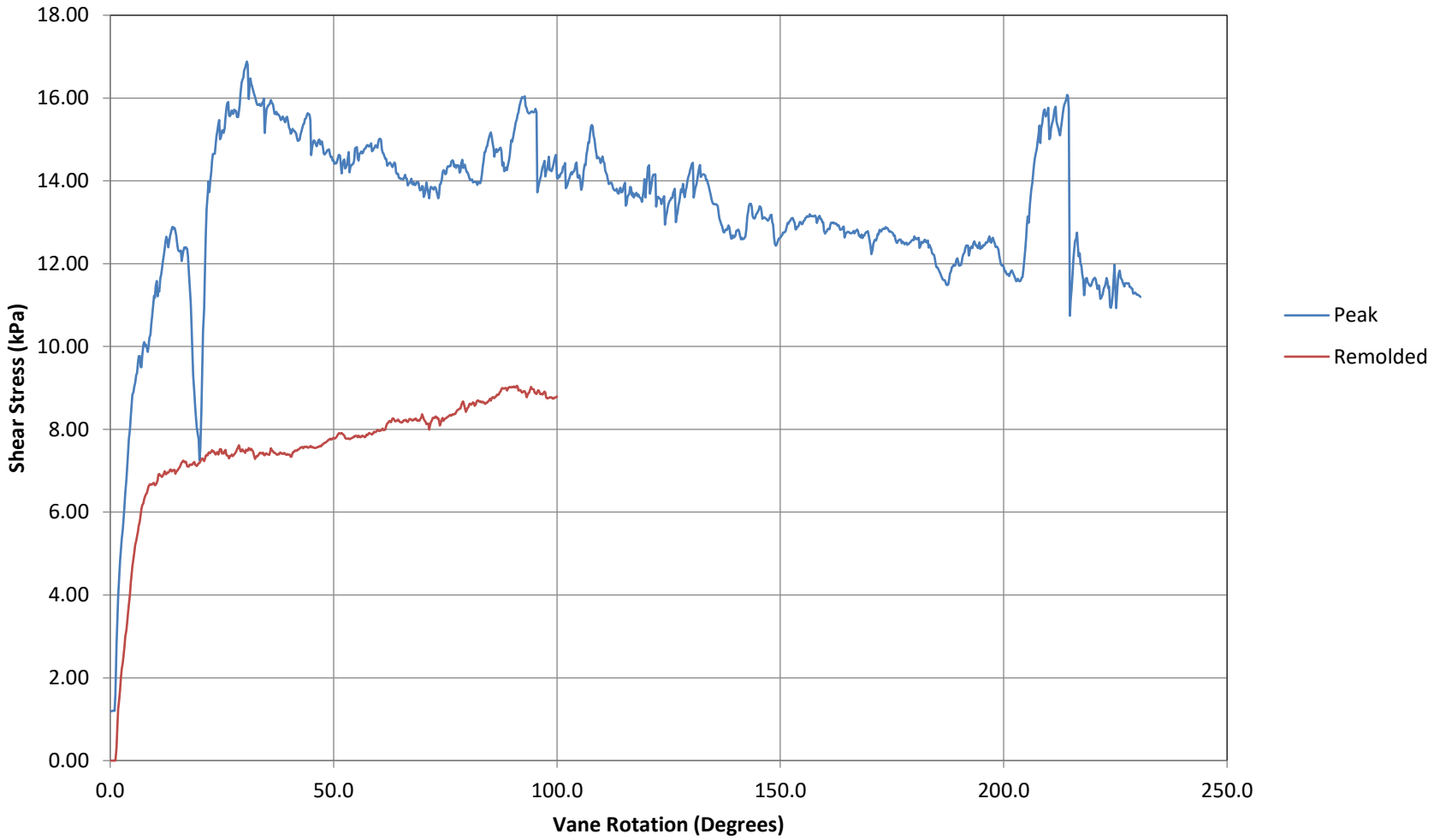


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-34

Test Date: 25-Mar-2022 22:11
Test Depth (m): 6.55
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5401921
Easting (m): 473375

Vane Shear Test

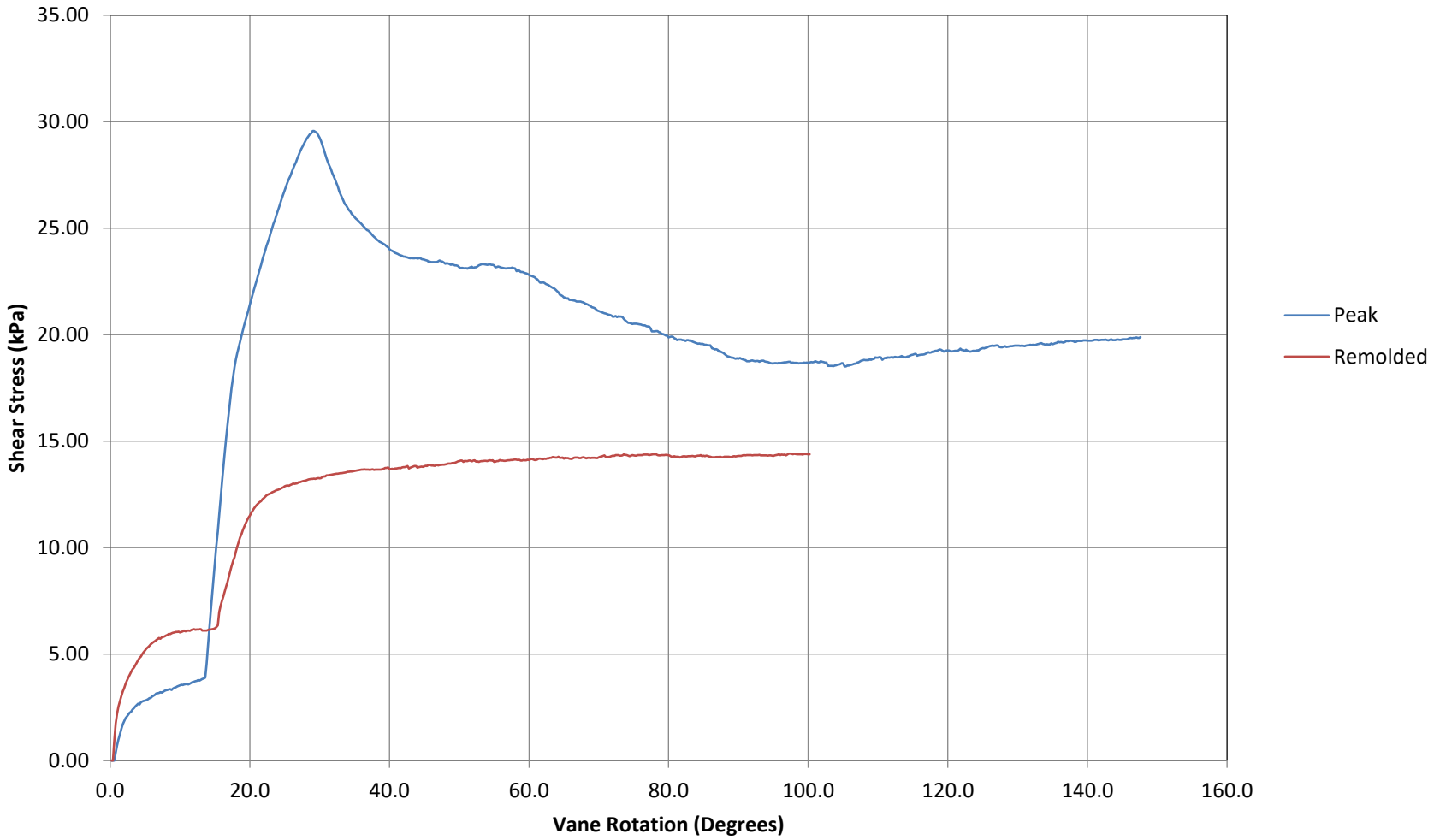


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-34

Test Date: 26-Mar-2022 01:41
Test Depth (m): 9.91
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5401921
Easting (m): 473375

Vane Shear Test

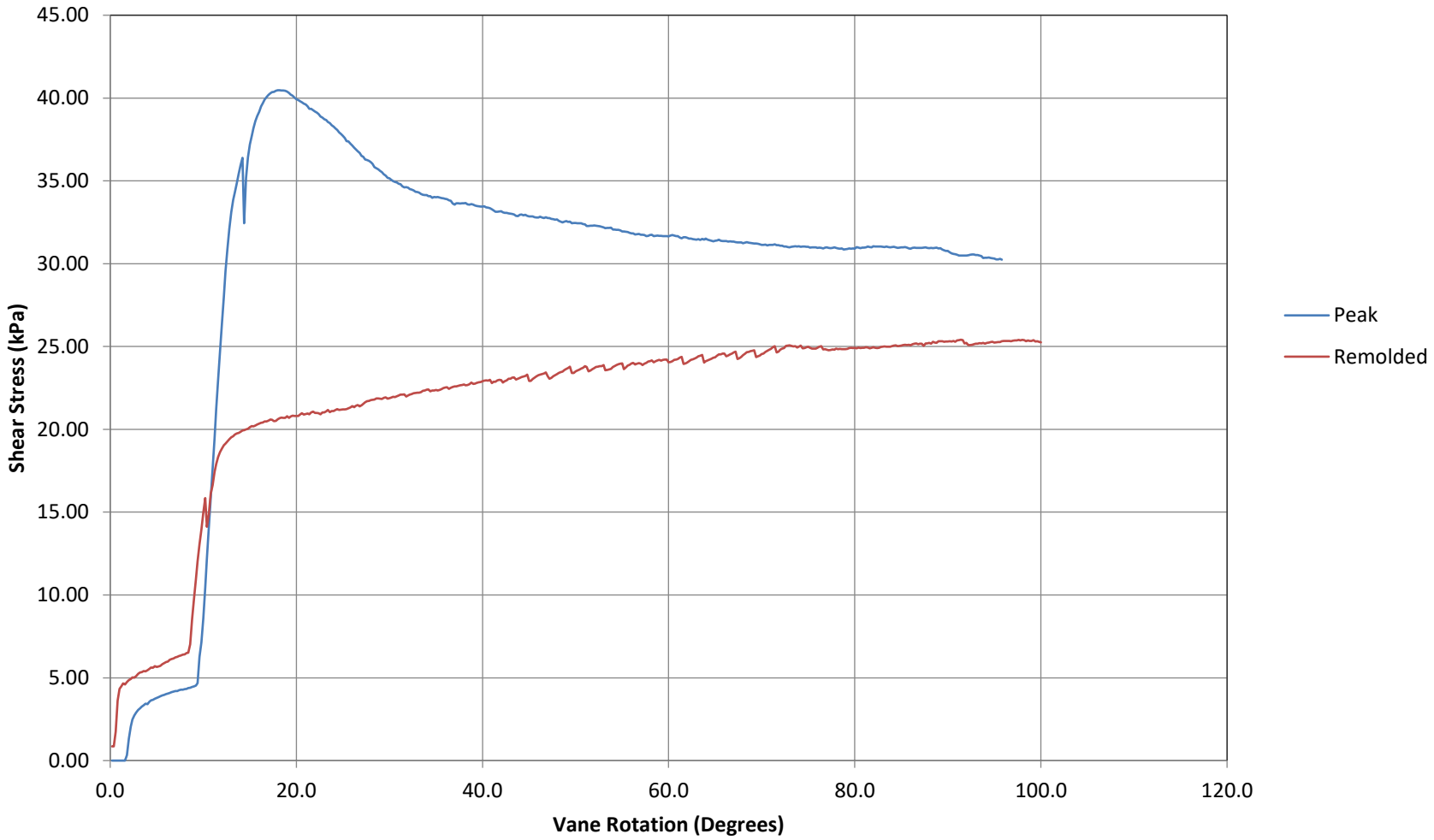


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-102

Test Date: 01-Dec-2021 10:40
Test Depth (m): 6.40
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407222
Easting (m): 465904

Vane Shear Test

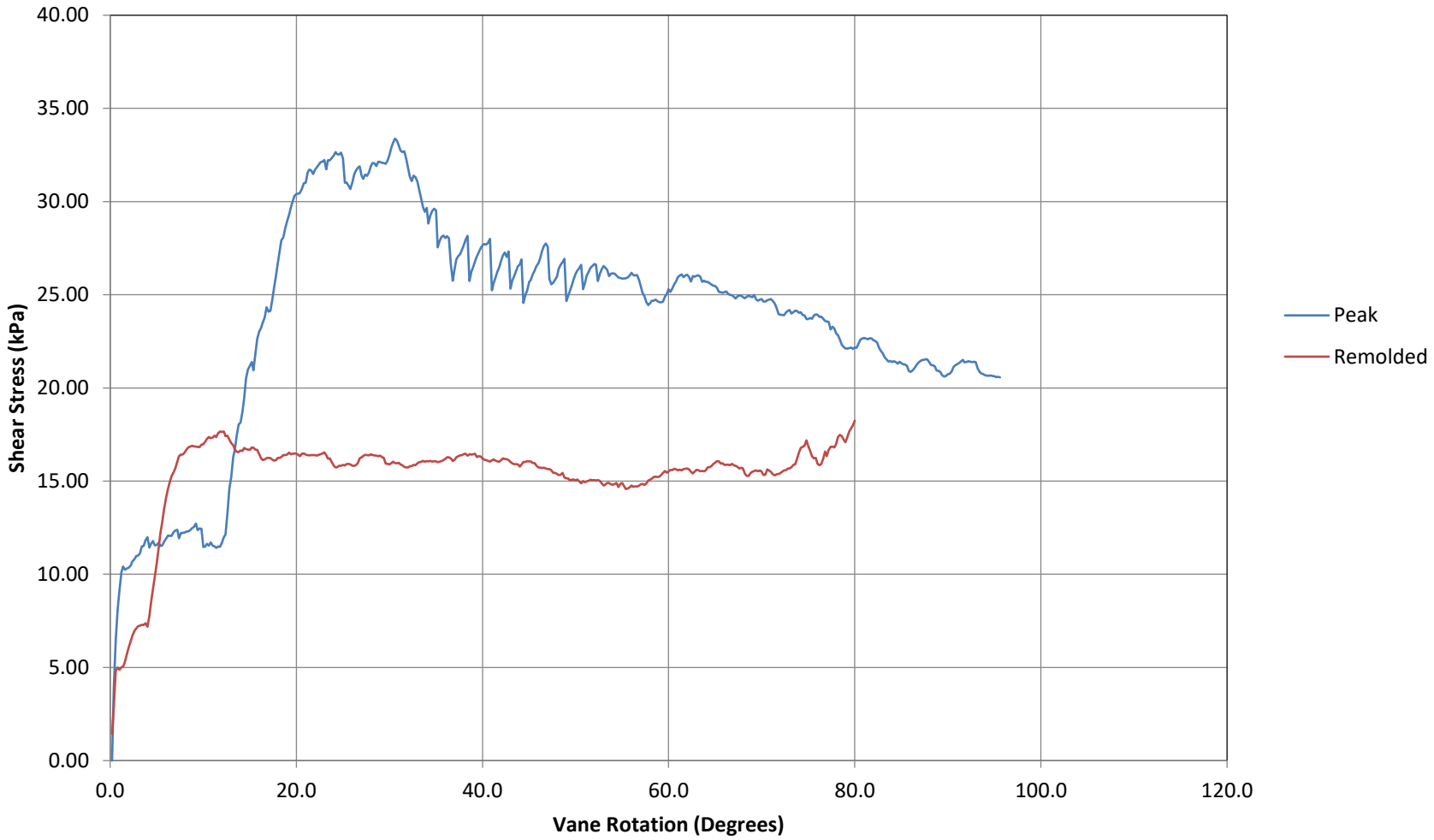


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-102

Test Date: 01-Dec-2021 14:03
Test Depth (m): 13.41
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407222
Easting (m): 465904

Vane Shear Test

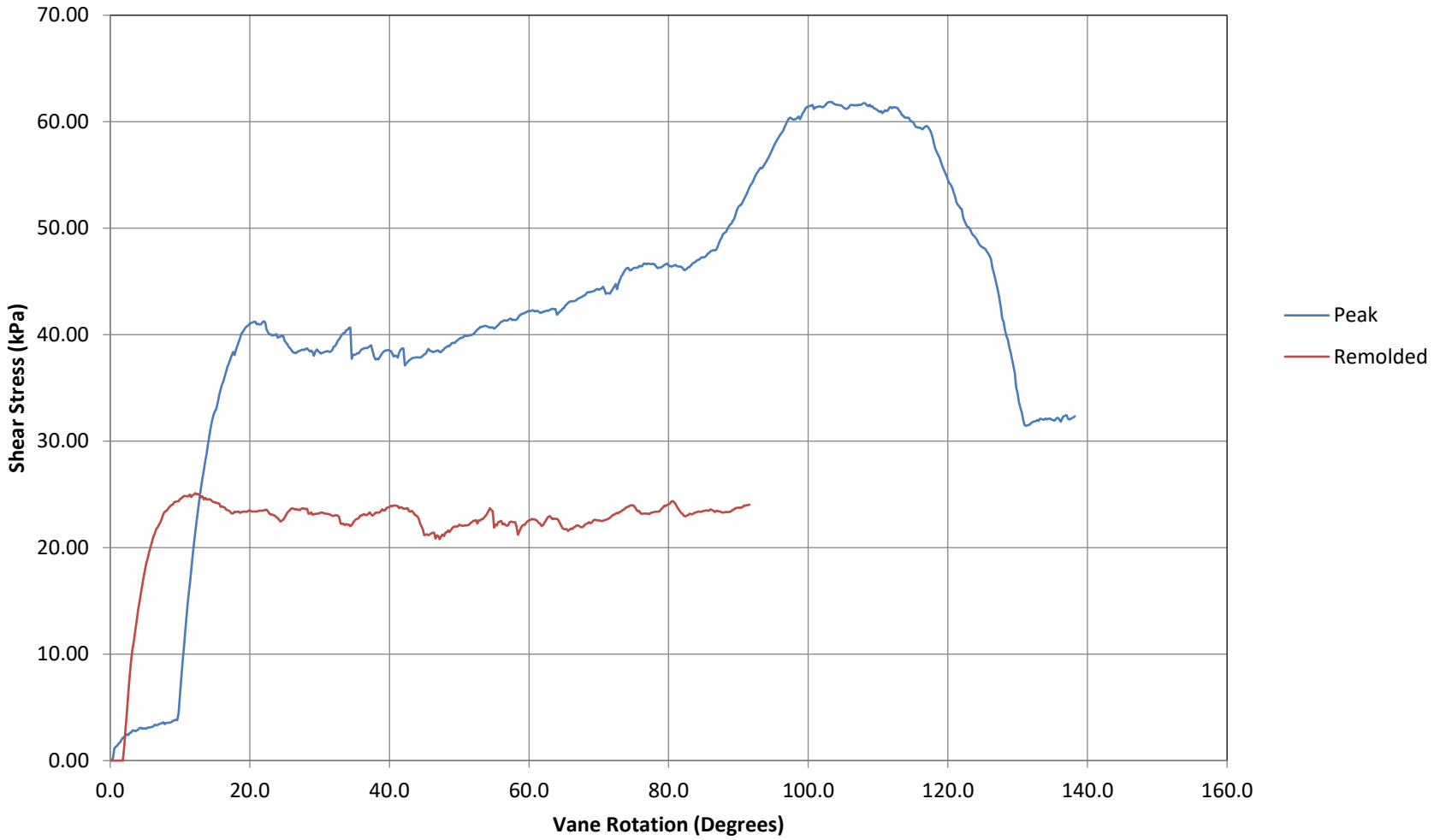


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-102

Test Date: 01-Dec-2021 16:13
Test Depth (m): 18.59
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5407222
Easting (m): 465904

Vane Shear Test

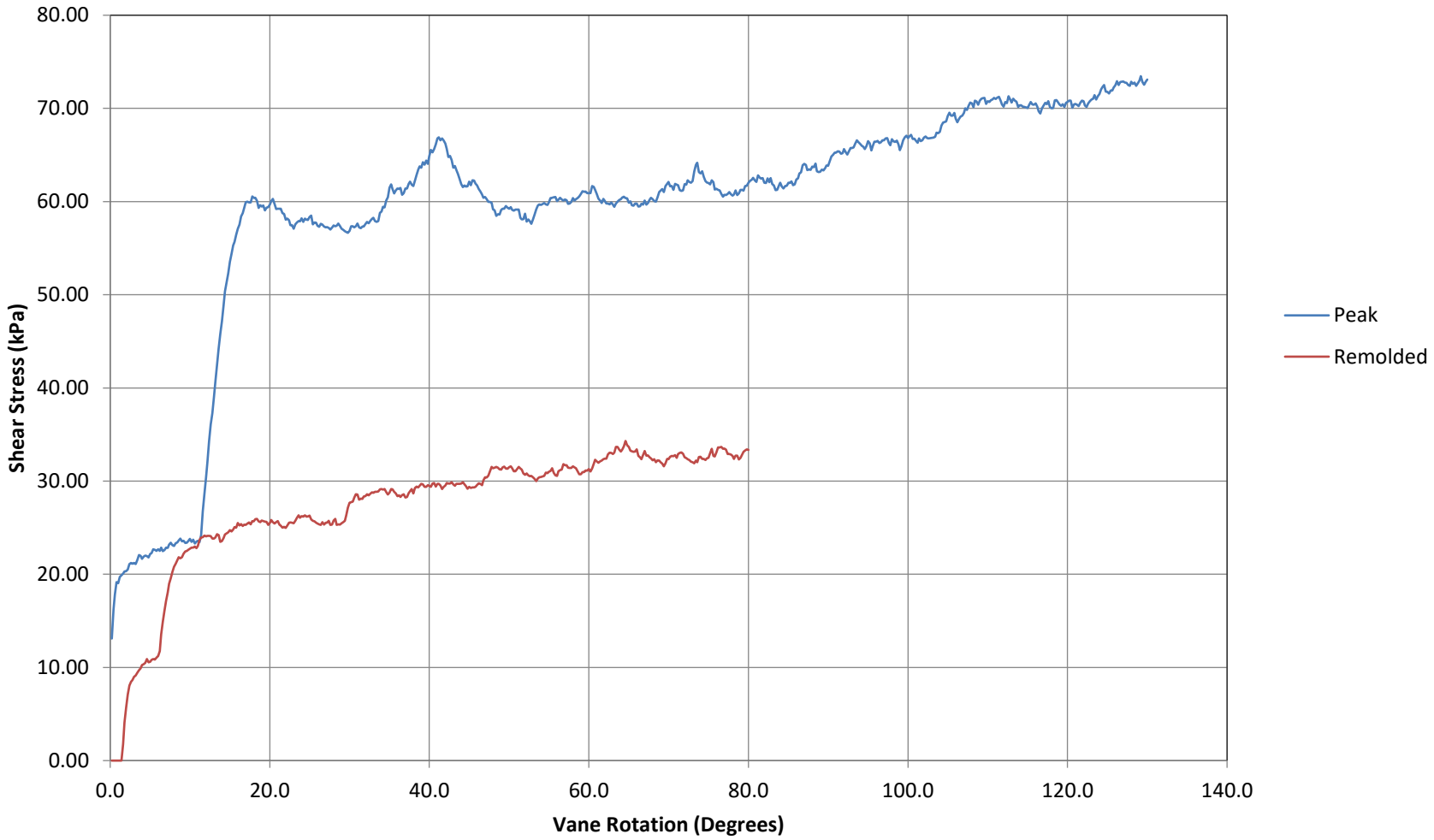


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-103

Test Date: 28-Nov-2021 15:22
Test Depth (m): 4.88
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408278
Easting (m): 468244

Vane Shear Test

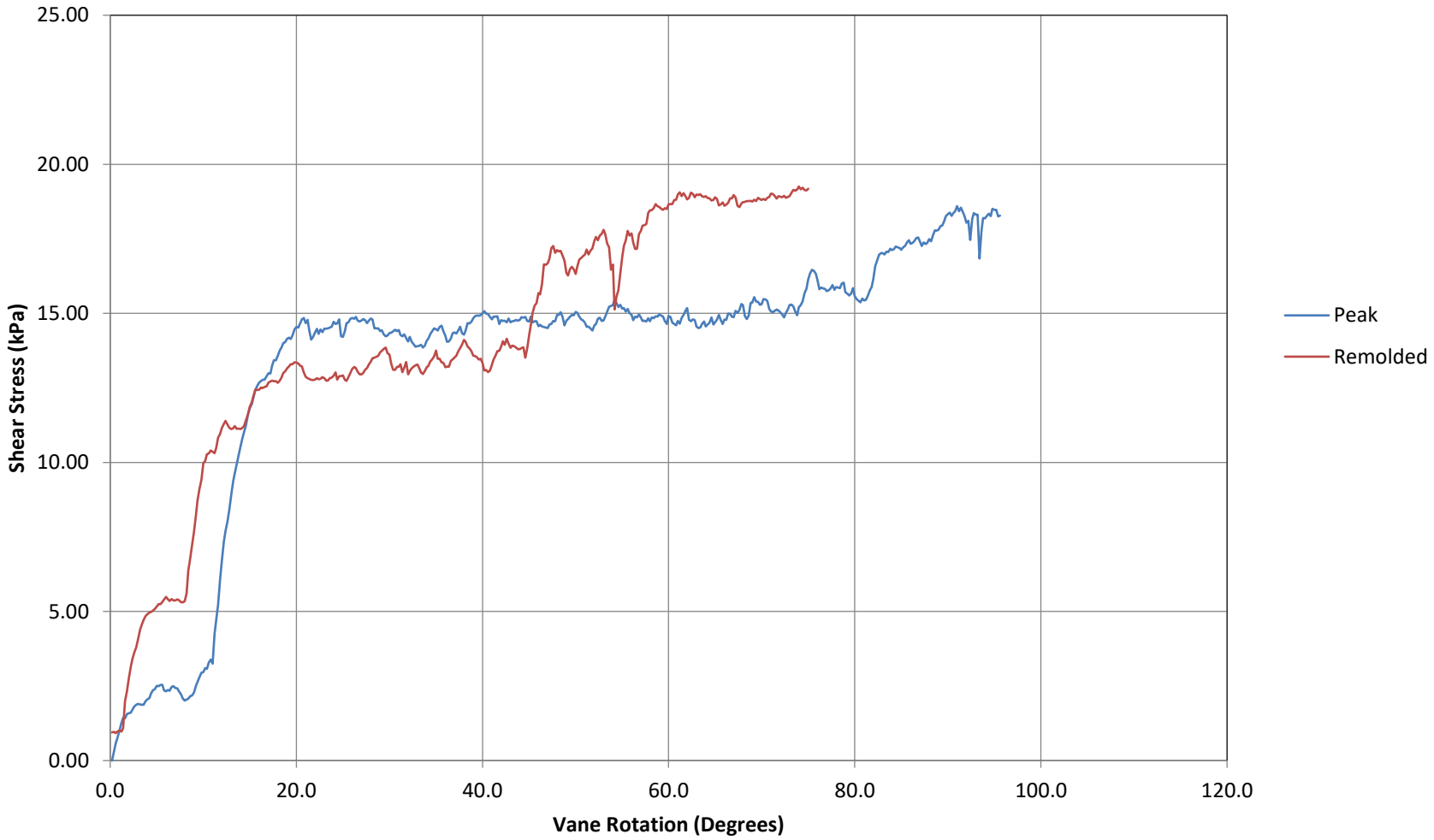


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-103

Test Date: 29-Nov-2021 09:17
Test Depth (m): 7.01
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408278
Easting (m): 468244

Vane Shear Test

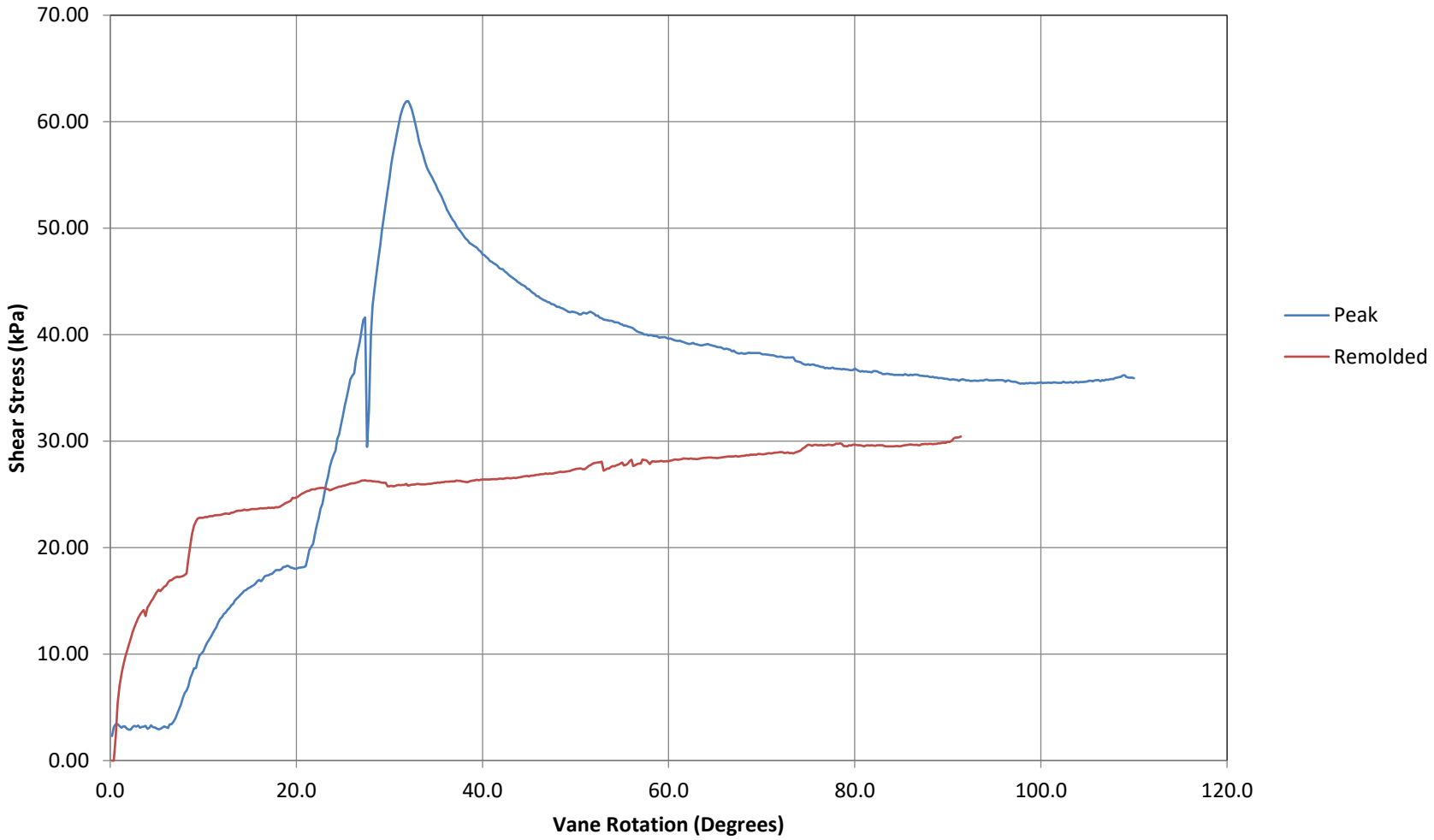


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-103

Test Date: 29-Nov-2021 11:24
Test Depth (m): 10.97
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408278
Easting (m): 468244

Vane Shear Test

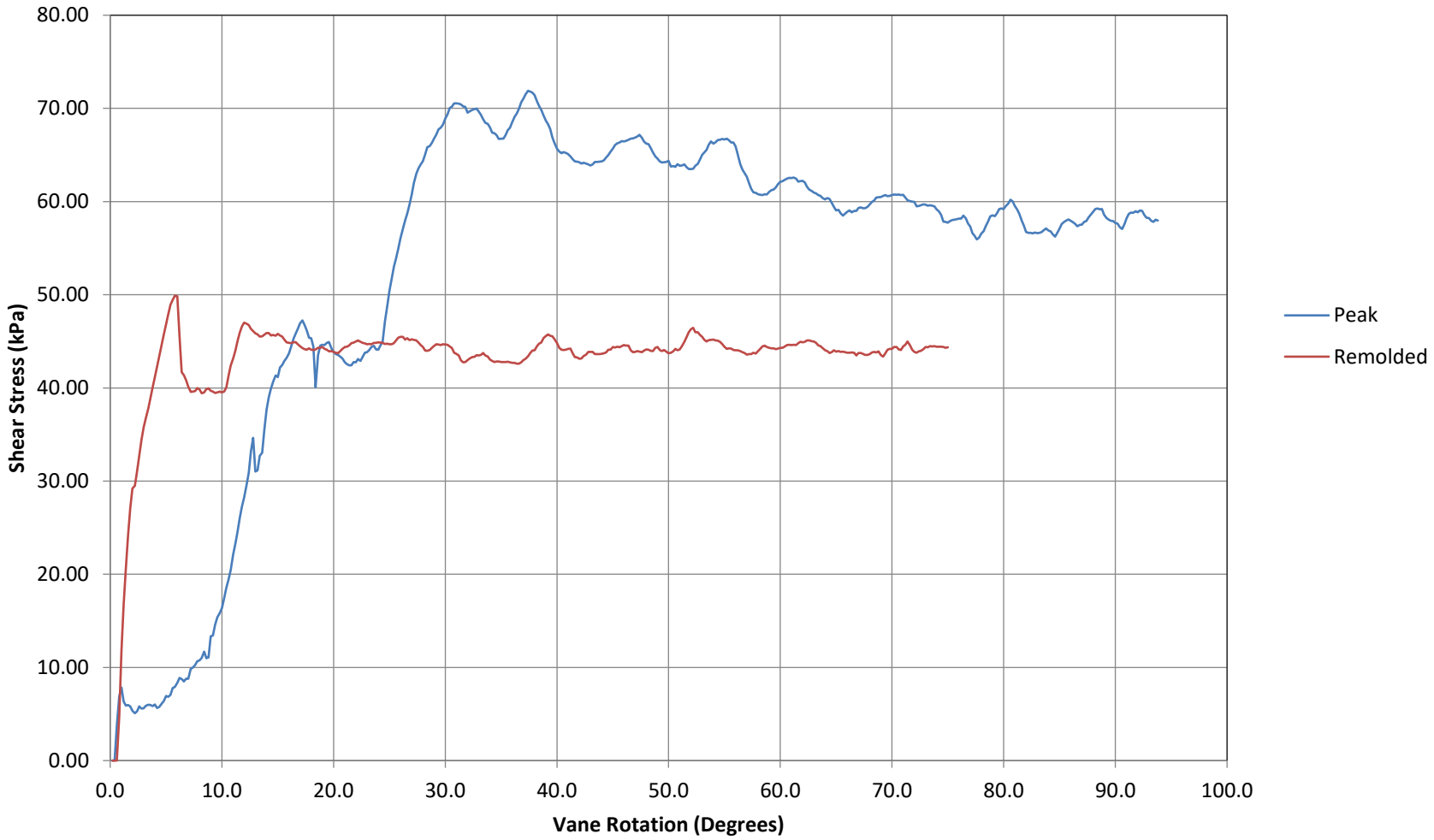


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-TSF-BH-103

Test Date: 29-Nov-2021 13:01
Test Depth (m): 14.02
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5408278
Easting (m): 468244

Vane Shear Test

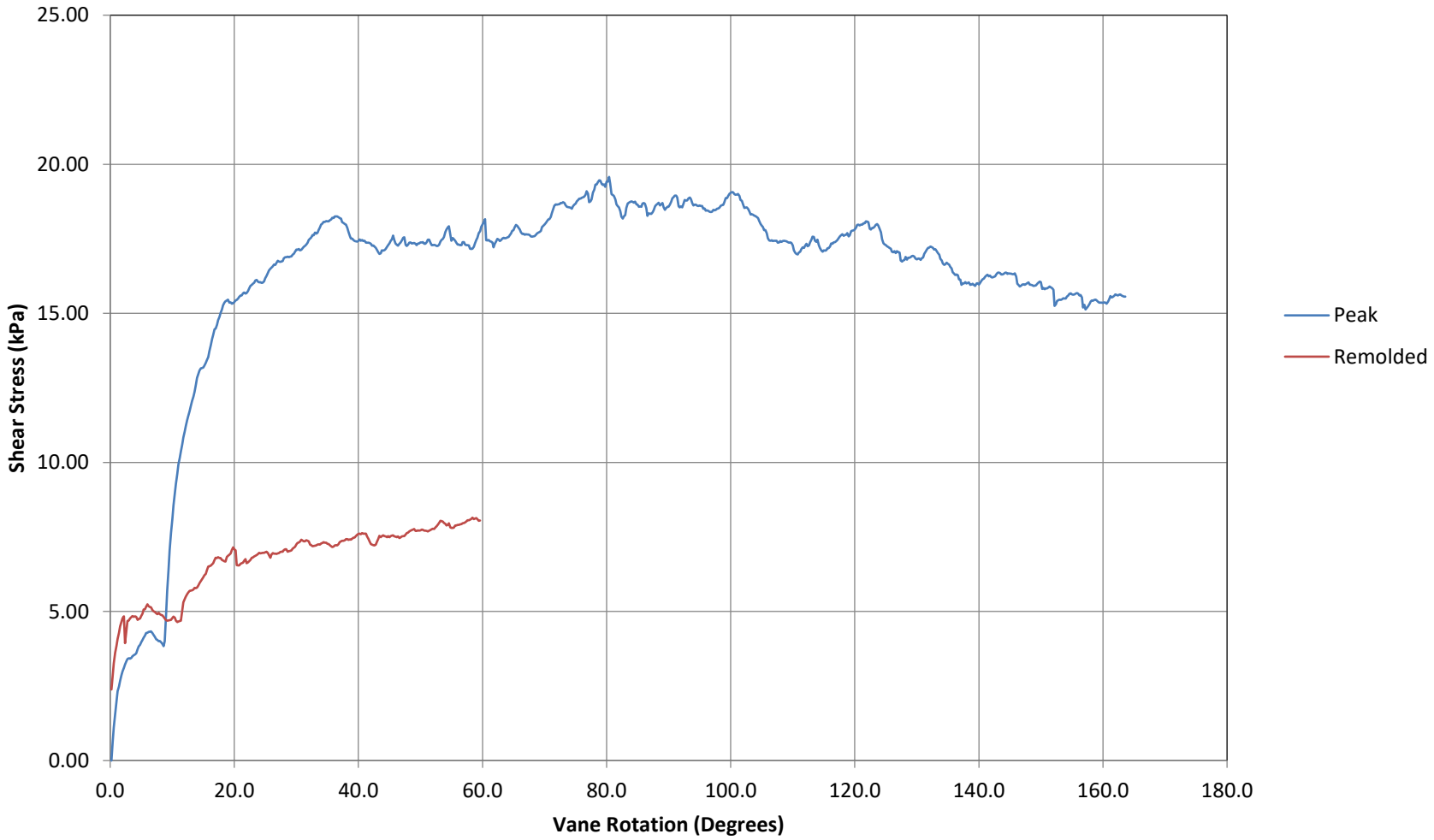


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WOS-BH-01

Test Date: 01-Mar-2022 11:29
Test Depth (m): 6.10
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409082
Easting (m): 471912

Vane Shear Test

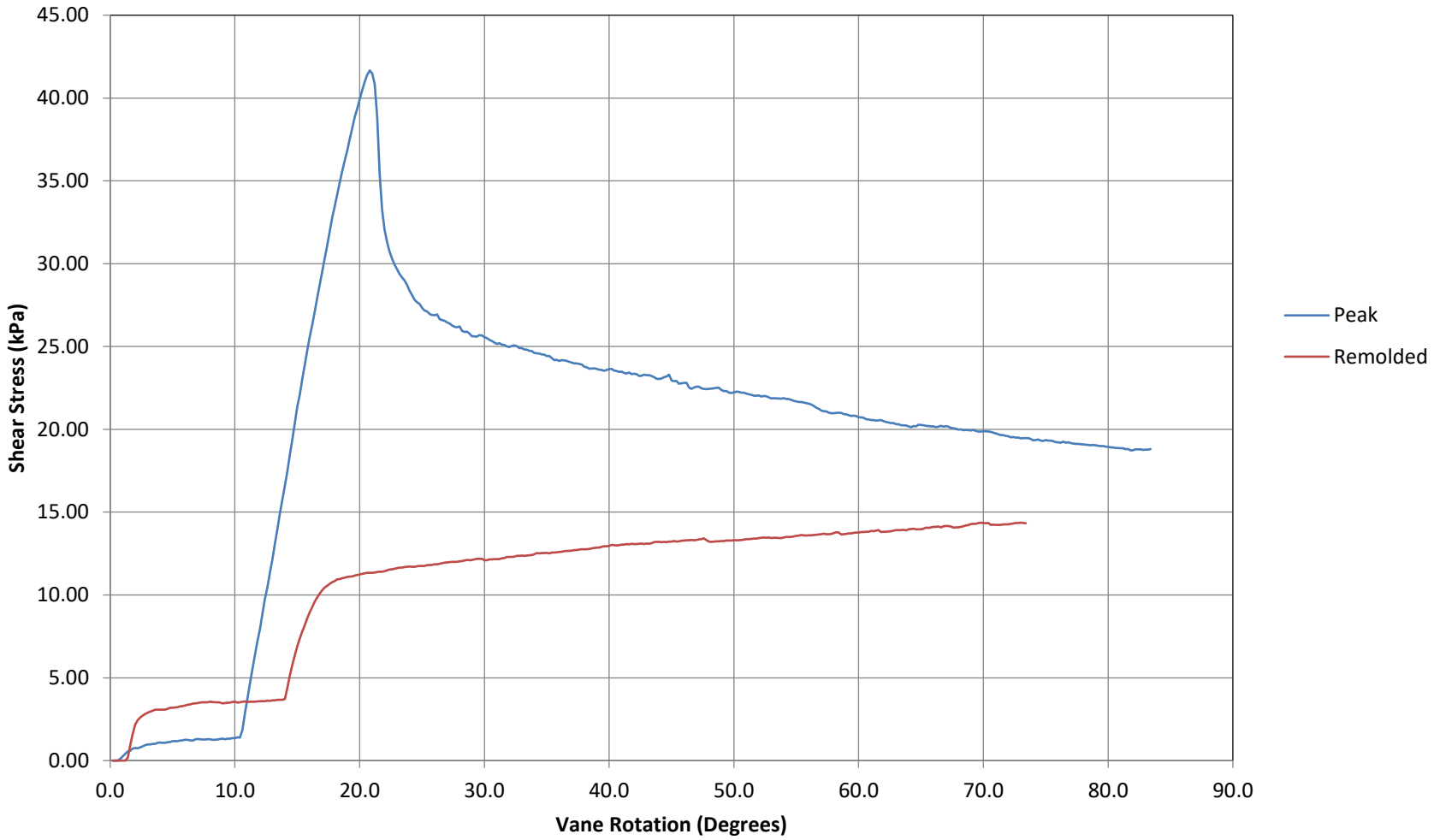


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WOS-BH-01

Test Date: 01-Mar-2022 14:05
Test Depth (m): 12.19
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409082
Easting (m): 471912

Vane Shear Test

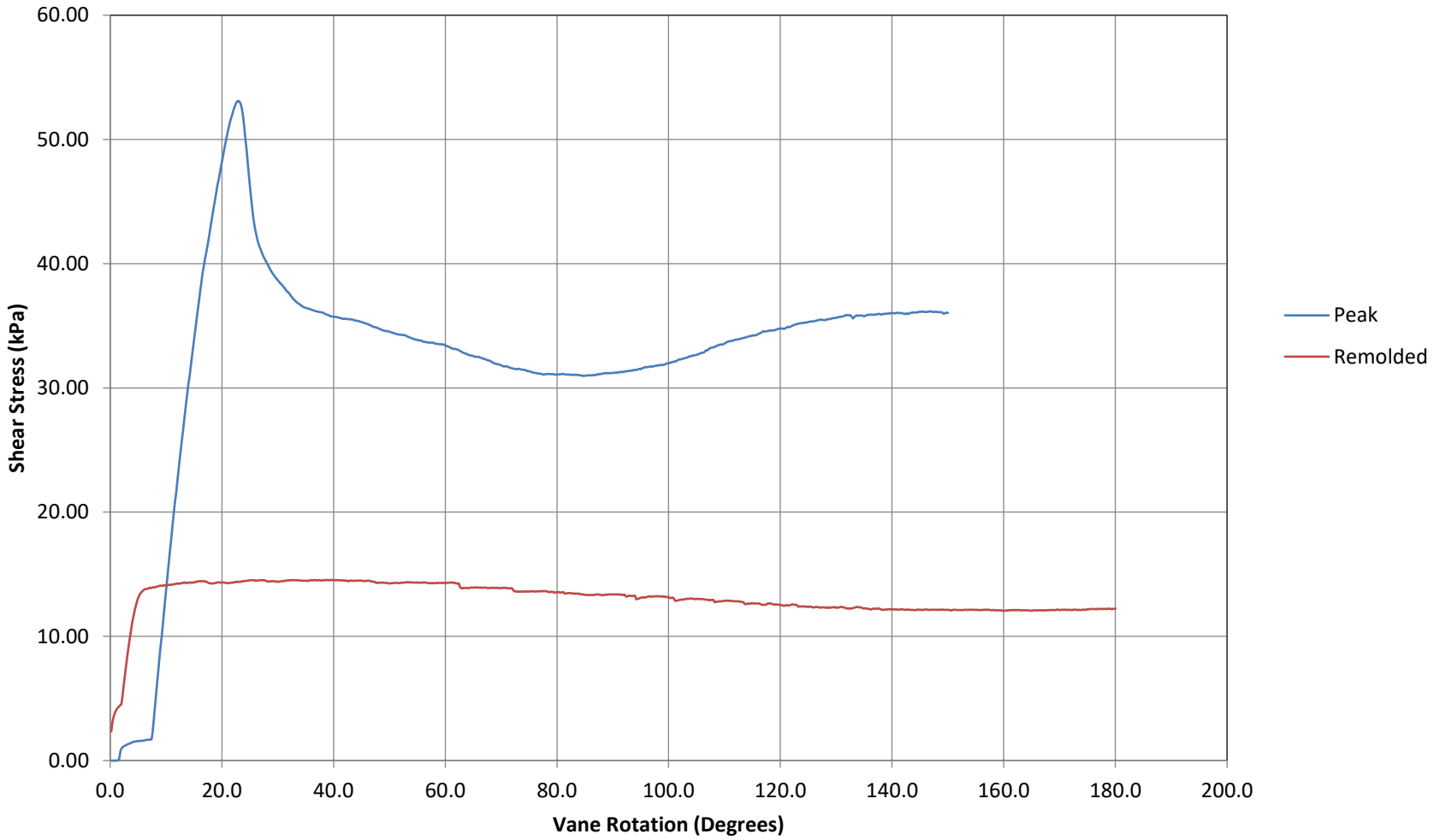


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WOS-BH-01

Test Date: 01-Mar-2022 20:39
Test Depth (m): 18.90
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5409082
Easting (m): 471912

Vane Shear Test

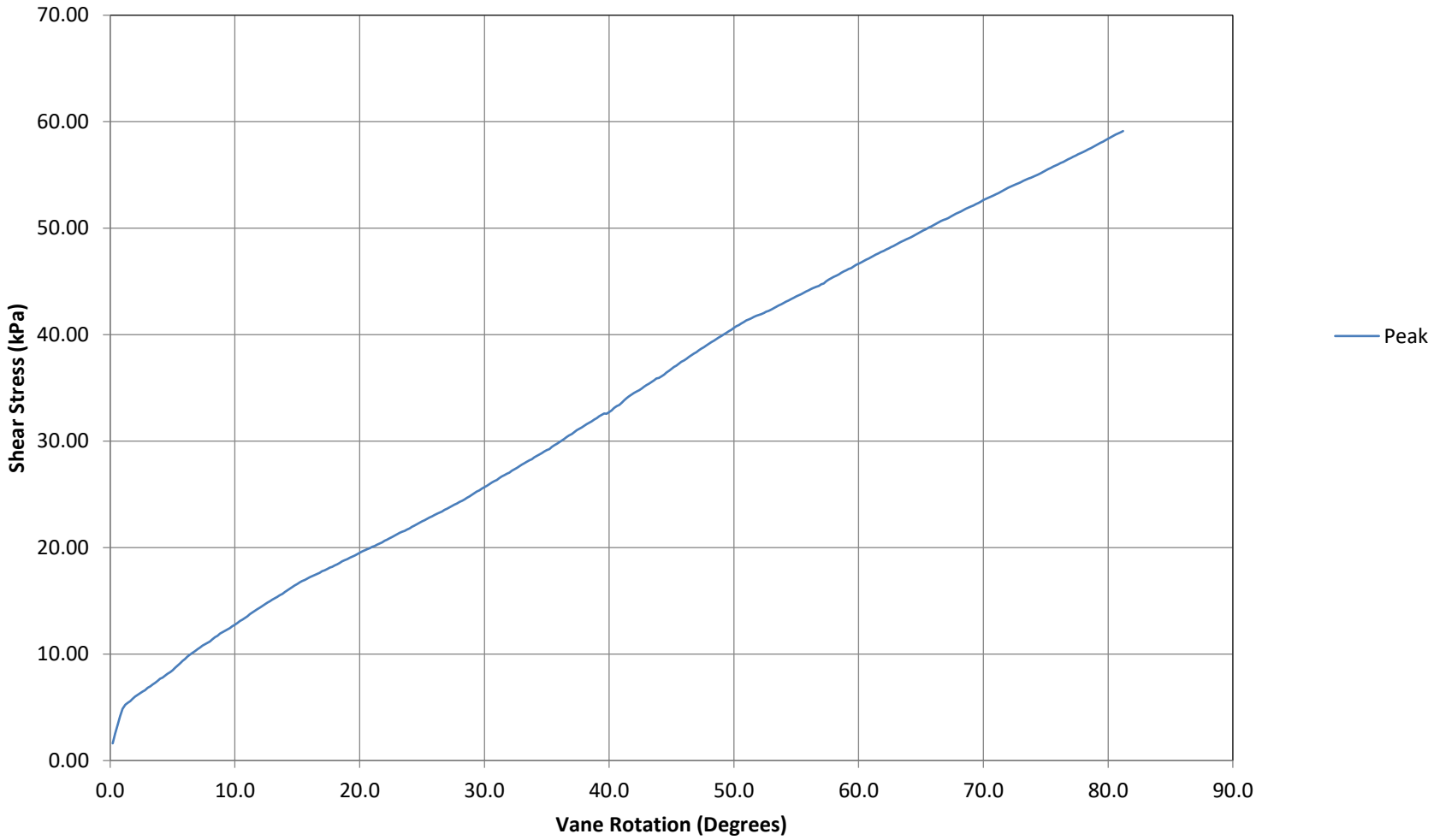


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WRD-BH-07

Test Date: 17-Feb-2022 23:41
Test Depth (m): 4.88
Vane Type: Adara solid double tapered 75 x 150 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412786
Easting (m): 471686

Vane Shear Test

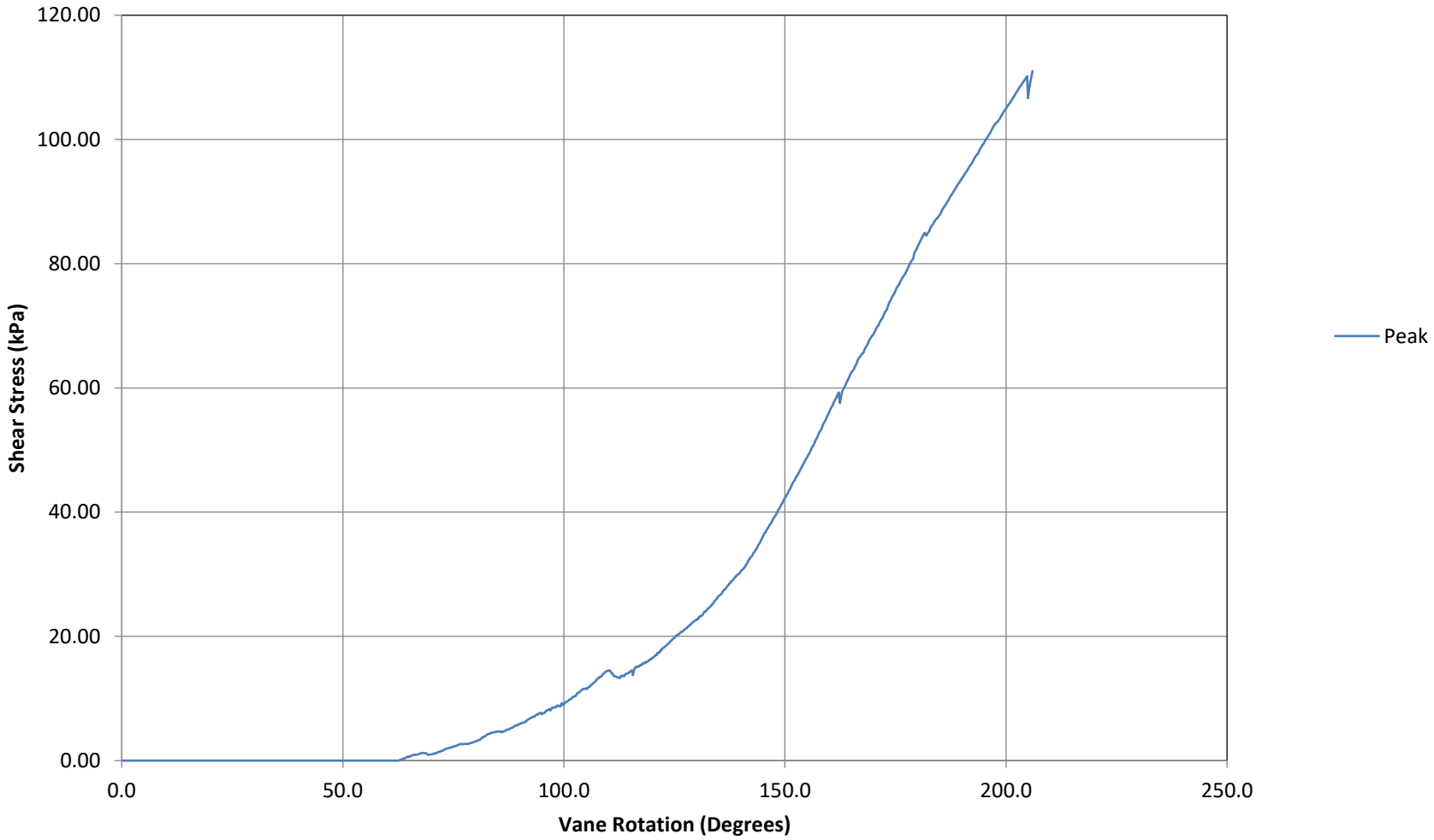


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WRD-BH-07

Test Date: 18-Feb-2022 03:15
Test Depth (m): 12.19
Vane Type: Adara solid double tapered 60 x 120 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5412786
Easting (m): 471686

Vane Shear Test

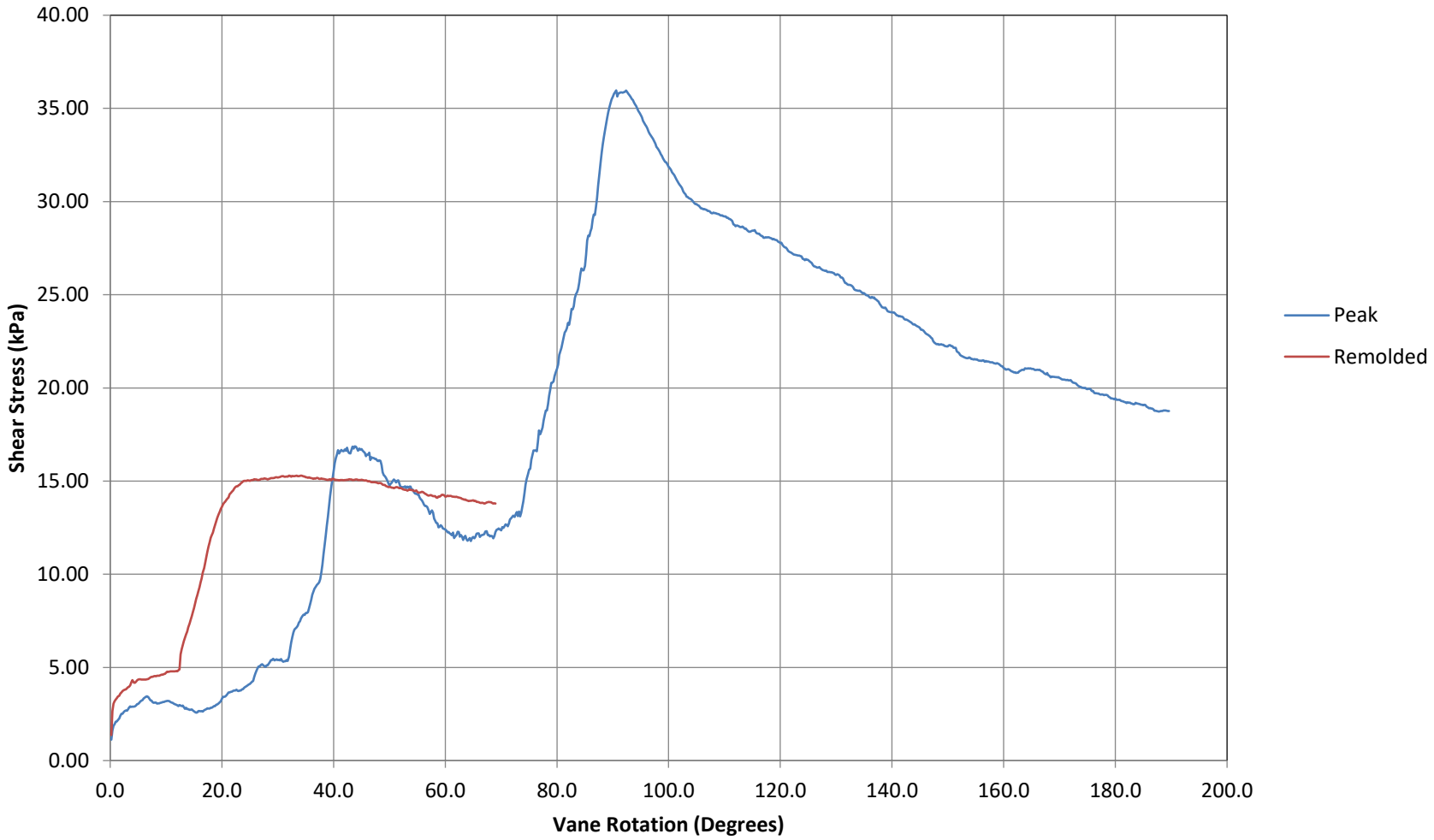


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WRD-BH-16

Test Date: 07-Jan-2022 12:10
Test Depth (m): 6.40
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410758
Easting (m): 474460

Vane Shear Test

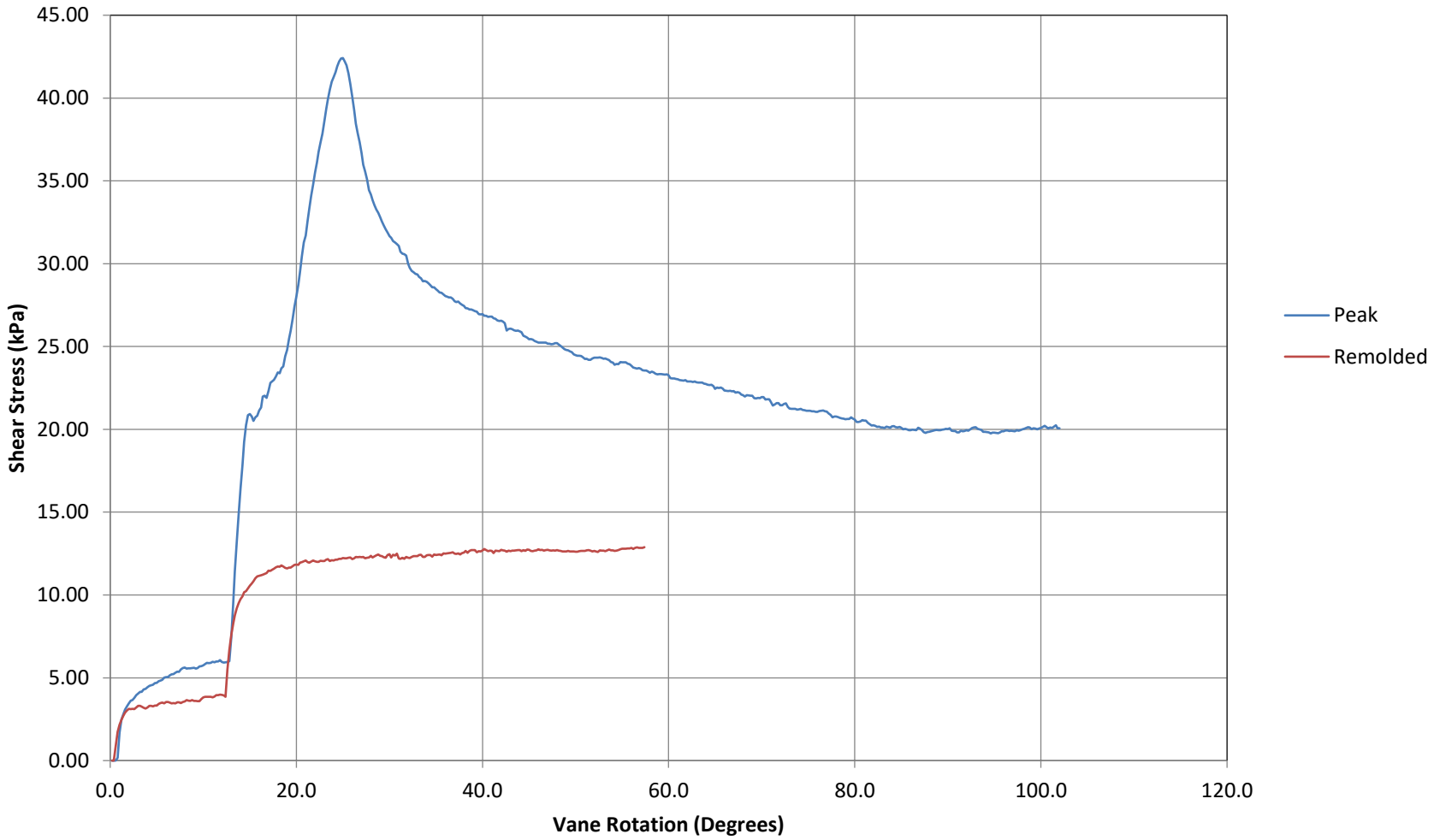


Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WRD-BH-16

Test Date: 07-Jan-2022 14:51
Test Depth (m): 12.50
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410758
Easting (m): 474460

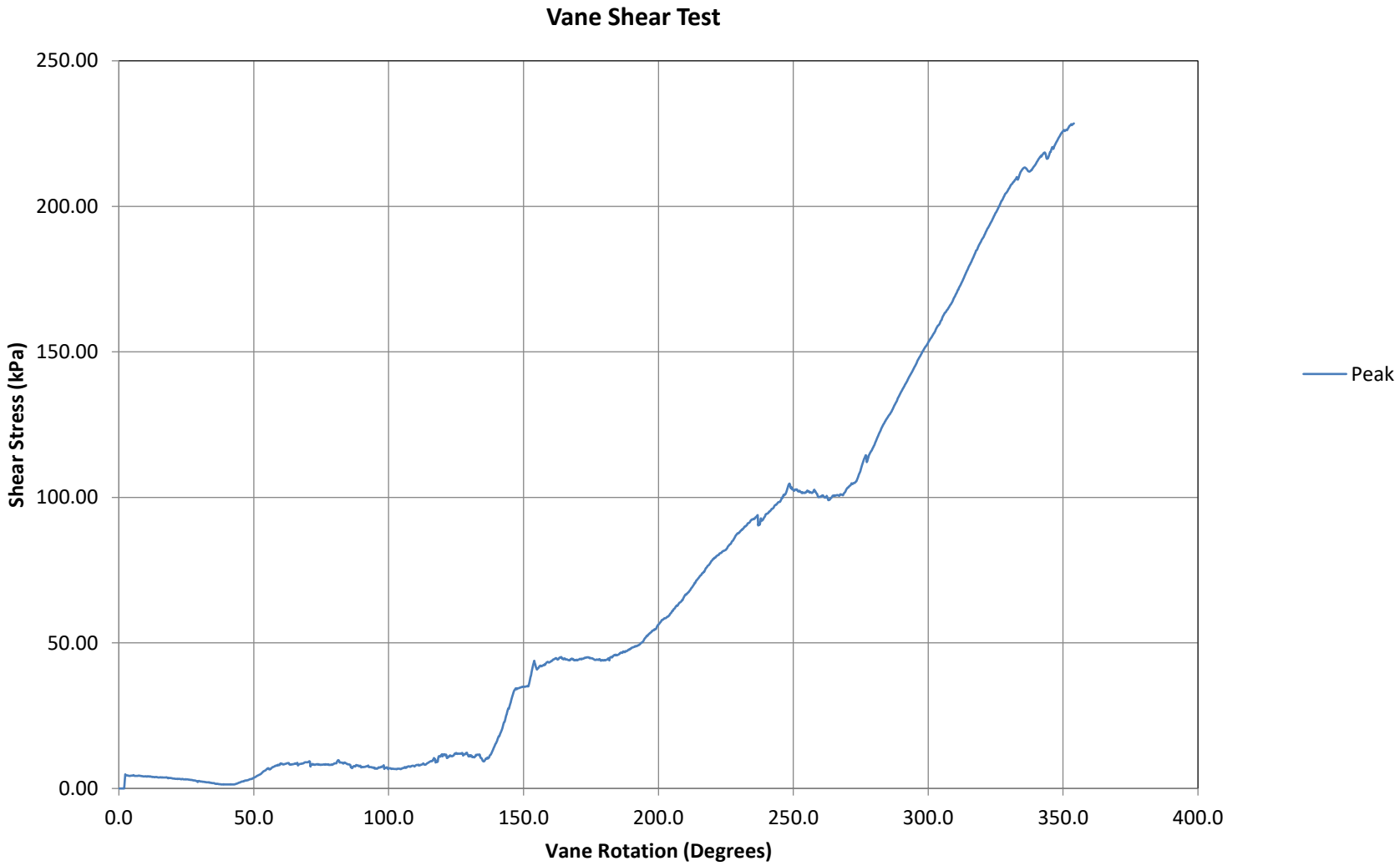
Vane Shear Test



Job Number: 21-02-23004
Client: Canada Nickel Company
Project: Crawford Mine
Sounding: VST21-SRK-WRD-BH-16

Test Date: 08-Jan-2022 09:23
Test Depth (m): 18.93
Vane Type: Adara solid double tapered 50 x 100 mm (45°, 45°)

Coordinate System: WGS 84 / UTM zone 17N
Northing (m): 5410758
Easting (m): 474460



Appendix E Laboratory Tests

Appendix E.1 Atterberg Limits, Moisture Content and Particle Size Distribution

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21473972-13000
Project Name:	CDN Nickel/Geotech WB WQ Supp
Client:	Canada Nickel Company
Org:	1701
Scheduled By:	Michael Etezad
Date Scheduled:	May 9, 2022
Due Date:	May 31, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G412

Test Totals:	54	-	38	16	38	1	-	-	-	1				

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK22-TSF-BH04	167004	4.6	4.9	1		1		1						G413
SRK22-TSF-BH04	167006	8.2	8.5	1			1							G414
SRK22-TSF-BH15	167008	3	3.4	1		1		1						G415
SRK22-TSF-BH15	167012	12.8	13.1	1			1							G416
SRK22-TSF-BH15	167019	22.3	22.6	1			1							G417
SRK22-TSF-BH15	167021	26.8	27.4	1			1							G418
SRK22-TSF-BH15	167023	38.1	38.4	1		1		1						G419
SRK22-TSF-BH15	167030	64.9	65.2	1		1		1						G420
SRK22-TSF-BH05	167035	7.3	7.6	1		1		1						G421
SRK22-TSF-BH05	167039	16.8	17.4	1			1							G422
SRK22-TSF-BH05	167042	32	32.3	1			1							G423
SRK22-TSF-BH25	167048	4.9	5.5	1		1		1					1	G424
SRK22-TSF-BH25	167454	16.2	17.7	1		1		1						G425
SRK22-TSF-BH25	167455	19.2	20.7	1		1		1						G426
SRK22-TSF-BH25	165458	26.2	26.5	1		1		1						G427
SRK22-TSF-BH25	167464	39.3	39.6	1		1		1						G428
SRK22-TSF-BH25	167472	57.9	58.2	1			1							G429
SRK22-TSF-BH25	167475	64	64.6	1		1		1						G430
SRK22-TSF-BH25	167479	73.2	73.8	1		1		1						G431
SRK22-TSF-BH27	167486	7.3	7.6	1		1		1	sample not found					G432
SRK22-TSF-BH27	167490	15.8	16	1		1		1						G433
SRK22-TSF-BH27	167492	20.1	20.4	1		1		1						G434
SRK22-TSF-BH27	167493	23.2	23.5	1		1		1						G435
SRK22-TSF-BH27	167496	29.3	29.6	1			1							G436
SRK22-TSF-BH11	167704	4.6	4.9	1		1		1						G437
SRK22-TSF-BH11	167706	7.3	7.6	1			1							G438
SRK22-TSF-BH11	167716	33.5	33.8	1			1							G439
SRK22-TSF-BH23	167305	5.5	5.7	1		1		1						G440

GOLDER

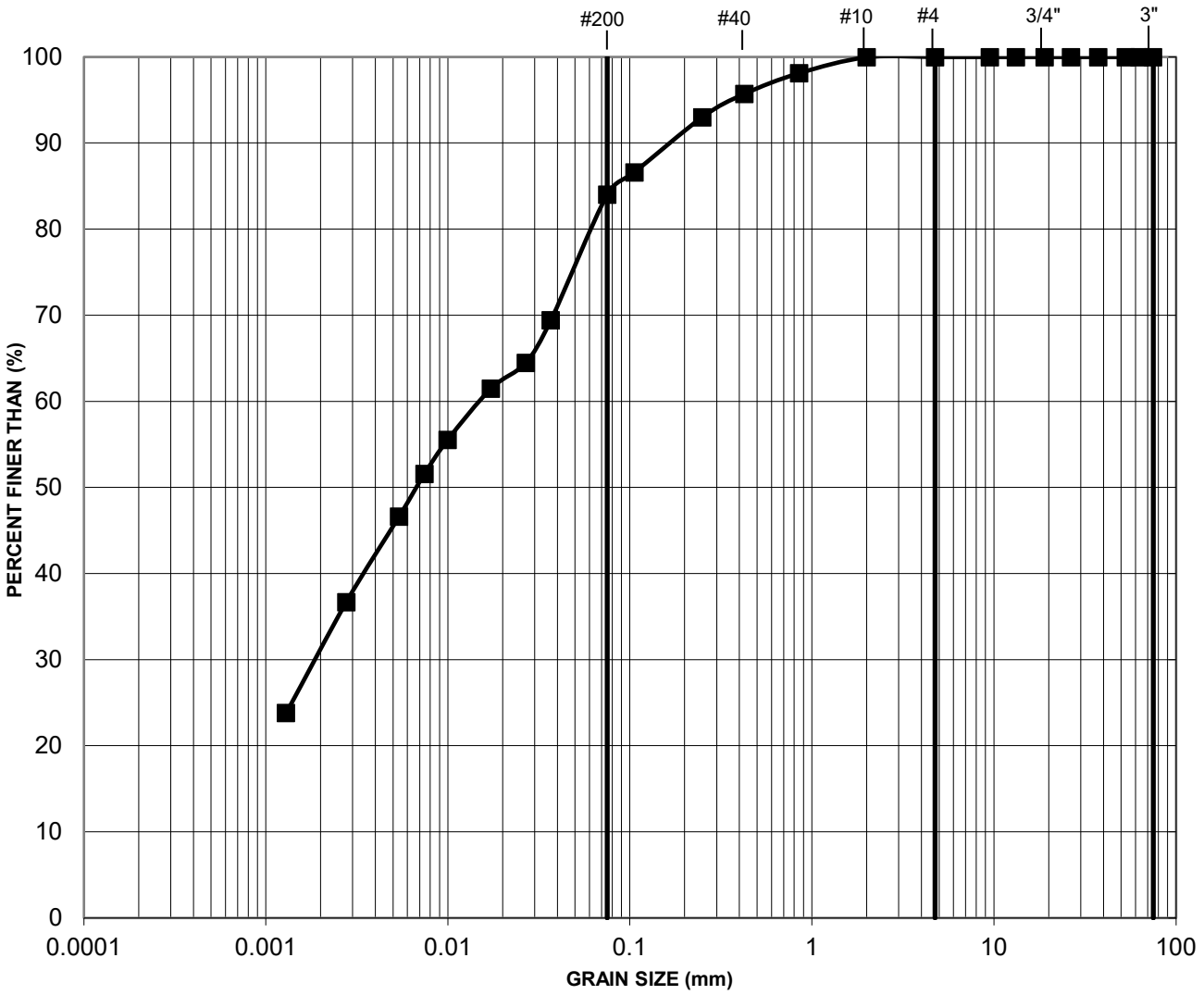
Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK22-TSF-BH23	167307	8.2	8.4	1		1		1						G441
SRK22-TSF-BH23	167308	10.4	10.7	1		1		1						G442
SRK22-TSF-BH23	167311	19.5	19.8	1		1		1						G443
SRK22-TSF-BH23	167313	21.3	21.6	1			1							G444
SRK22-TSF-BH23	167318	27.4	27.7	1			1							G445
SRK22-TSF-BH06	167324	5.2	5.5	1		1		1						G446
SRK22-TSF-BH06	167327	10.7	11	1		1		1						G447
SRK22-TSF-BH06	167331	19.8	20.1	1		1		1						G448
SRK22-TSF-BH06	167335	29.6	29.9	1			1							G449
SRK22-TSF-BH28	168222	7	7.3	1		1		1						G450
SRK22-TSF-BH28	168226	15.5	15.8	1		1		1						G451
SRK22-TSF-BH28	168228	27.7	28	1		1		1						G452
SRK22-TSF-BH26	168235	7.3	7.6	1		1		1						G453
SRK22-TSF-BH26	168237	10.7	11	1		1		1						G454
SRK22-TSF-BH26	168239	15.2	15.5	1		1		1						G455
SRK22-TSF-BH26	168242	26.5	26.8	1			1							G456
SRK22-TSF-BH26	167053	47.5	47.9	1			1							G457
SRK22-TSF-BH26	167054	48.2	48.5	1		1		1						G458
SRK22-TSF-BH22	167089	10.7	11	1		1		1						G459
SRK22-TSF-BH22	167092	18.6	18.9	1		1		1						G460
SRK22-TSF-BH22	167095	24.7	25	1			1							G461
SRK22-TSF-BH22	167096	28.7	29	1		1		1						G462
SRK22-TSF-BH22	167740	36.7	37	1		1		1						G463
SRK22-TSF-BH31	167748	11.6	11.9	1		1		1						G464
SRK22-TSF-BH31	168403	21.6	21.9	1		1		1						G465
SRK22-TSF-BH31	168407	31.2	31.5	1		1		1						G466

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Lab Water Content No.:	**G412**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK22-TSF-BH04	167004	4.6m - 4.9m	20.8	27.9	15.6	12.3	0.4
SRK22-TSF-BH04	167006	8.2m - 8.5m	19.8				
SRK22-TSF-BH15	167008	3m - 3.4m	16.6	24.7	15.8	8.8	0.1
SRK22-TSF-BH15	167012	12.8m - 13.1m	8.6				
SRK22-TSF-BH15	167019	22.3m - 22.6m	20.0				
SRK22-TSF-BH15	167021	26.8m - 27.4m	18.1				
SRK22-TSF-BH15	167023	38.1m - 38.4m	7.5	18.3	11.2	7.1	-0.5
SRK22-TSF-BH15	167030	64.9m - 65.2m	7.8	20.2	16.4	3.8	-2.3
SRK22-TSF-BH05	167035	7.3m - 7.6m	23.3	28.3	15.6	12.7	0.6
SRK22-TSF-BH05	167039	16.8m - 17.4m	16.4				
SRK22-TSF-BH05	167042	32m - 32.3m	4.8				
SRK22-TSF-BH25	167048	4.9m - 5.5m	21.0	26.5	14.7	11.8	0.5
SRK22-TSF-BH25	167454	16.2m - 17.7m	22.3	31.8	22.9	8.9	-0.1
SRK22-TSF-BH25	167455	19.2m - 20.7m	22.3	41.2	23.2	18.0	0.0
SRK22-TSF-BH25	165458	26.2m - 26.5m	18.3	NP	NP	NP	NP
SRK22-TSF-BH25	167464	39.3m - 39.6m	9.4	14.9	11.4	3.6	-0.6
SRK22-TSF-BH25	167472	57.9m - 58.2m	11.8				
SRK22-TSF-BH25	167475	64m - 64.6m	11.1	NP	NP	NP	NP
SRK22-TSF-BH25	167479	73.2m - 73.8m	7.5	NP	NP	NP	NP
SRK22-TSF-BH27	167486	7.3m - 7.6m	sample not found				
SRK22-TSF-BH27	167490	15.8m - 16m	38.9	40.0	20.7	19.3	0.9
SRK22-TSF-BH27	167492	20.1m - 20.4m	21.9	17.4	13.0	4.4	2.0
SRK22-TSF-BH27	167493	23.2m - 23.5m	18.8	17.2	12.7	4.5	1.3
SRK22-TSF-BH27	167496	29.3m - 29.6m	11.7				
SRK22-TSF-BH11	167704	4.6m - 4.9m	19.8	27.0	14.3	12.7	0.4
SRK22-TSF-BH11	167706	7.3m - 7.6m	11.3				
SRK22-TSF-BH11	167716	33.5m - 33.8m	7.3				
SRK22-TSF-BH23	167305	5.5m - 5.7m	20.7	25.6	15.0	10.7	0.5
SRK22-TSF-BH23	167307	8.2m - 8.4m	27.0	35.8	19.7	16.1	0.5
SRK22-TSF-BH23	167308	10.4m - 10.7m	8.4	NP	NP	NP	NP
SRK22-TSF-BH23	167311	19.5m - 19.8m	24.9	42.9	23.9	18.9	0.1
SRK22-TSF-BH23	167313	21.3m - 21.6m	16.3				
SRK22-TSF-BH23	167318	27.4m - 27.7m	7.1				
SRK22-TSF-BH06	167324	5.2m - 5.5m	21.5	26.4	13.4	13.1	0.6
SRK22-TSF-BH06	167327	10.7m - 11m	9.2	18.5	14.3	4.2	-1.2
SRK22-TSF-BH06	167331	19.8m - 20.1m	19.2	25.2	19.1	6.1	0.0
SRK22-TSF-BH06	167335	29.6m - 29.9m	8.9				
SRK22-TSF-BH28	168222	7m - 7.3m	33.6	36.3	18.6	17.8	0.8
SRK22-TSF-BH28	168226	15.5m - 15.8m	30.9	39.8	20.2	19.6	0.5
SRK22-TSF-BH28	168228	27.7m - 28m	20.3	18.9	17.0	1.9	1.8
SRK22-TSF-BH26	168235	7.3m - 7.6m	27.0	30.8	16.7	14.0	0.7
SRK22-TSF-BH26	168237	10.7m - 11m	42.8	42.3	22.3	20.1	1.0
SRK22-TSF-BH26	168239	15.2m - 15.5m	17.0	19.6	14.6	5.0	0.5
SRK22-TSF-BH26	168242	26.5m - 26.8m	17.2				
SRK22-TSF-BH26	167053	47.5m - 47.9m	15.4				
SRK22-TSF-BH26	167054	48.2m - 48.5m	11.4	23.9	20.4	3.5	-2.6
SRK22-TSF-BH22	167089	10.7m - 11m	54.8	57.2	25.8	31.3	0.9
SRK22-TSF-BH22	167092	18.6m - 18.9m	39.0	40.0	20.7	19.2	1.0
SRK22-TSF-BH22	167095	24.7m - 25m	18.3				
SRK22-TSF-BH22	167096	28.7m - 29m	10.2	14.3	12.5	1.8	-1.3
SRK22-TSF-BH22	167740	36.7m - 37m	12.0	22.9	11.8	11.1	0.0
SRK22-TSF-BH31	167748	11.6m - 11.9m	31.1	36.2	17.6	18.5	0.7
SRK22-TSF-BH31	168403	21.6m - 21.9m	25.5	NP	NP	NP	NP
SRK22-TSF-BH31	168407	31.2m - 31.5m	13.9	18.2	14.8	3.4	-0.3

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH04	167004	4.6m - 4.9m

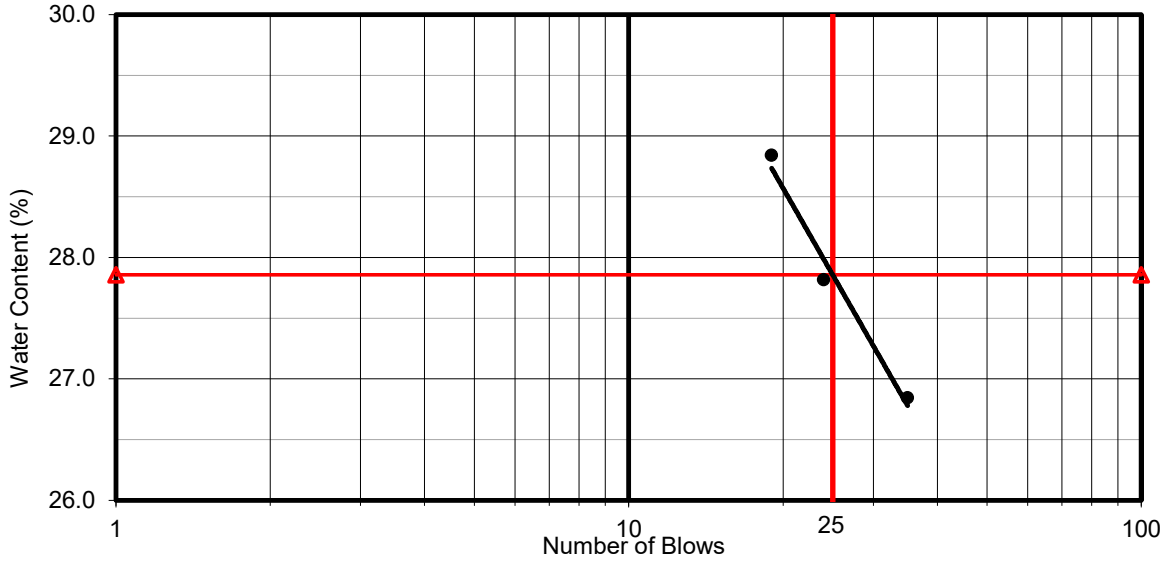
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G413**
Borehole:	**SRK22-TSF-BH04**
Sample Number:	**167004**
Depth of Sample:	**4.6m - 4.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1	4	r9l			**X**	r2	mr14	
NUMBER OF BLOWS	35	19	24			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.68	17.45	18.42			764.14	26.63	26.71	
MASS DRY SOIL + TARE (g)	15.46	15.16	16.00			673.14	24.90	25.06	
MASS OF WATER (g)	2.22	2.29	2.42			91.00	1.73	1.65	
MASS OF CONTAINER (g)	7.19	7.22	7.30			234.76	13.92	14.33	
MASS OF DRY SOIL (g)	8.27	7.94	8.70			438.38	10.98	10.73	
WATER CONTENT W (%)	26.8	28.8	27.8			20.8	15.8	15.4	

LIQUID LIMIT (%)	**27.9**
PLASTIC LIMIT (%)	**15.6**
PLASTICITY INDEX (%)	**12.3**
W NATURAL (%)	**20.8**
LIQUIDITY INDEX	**0.42**



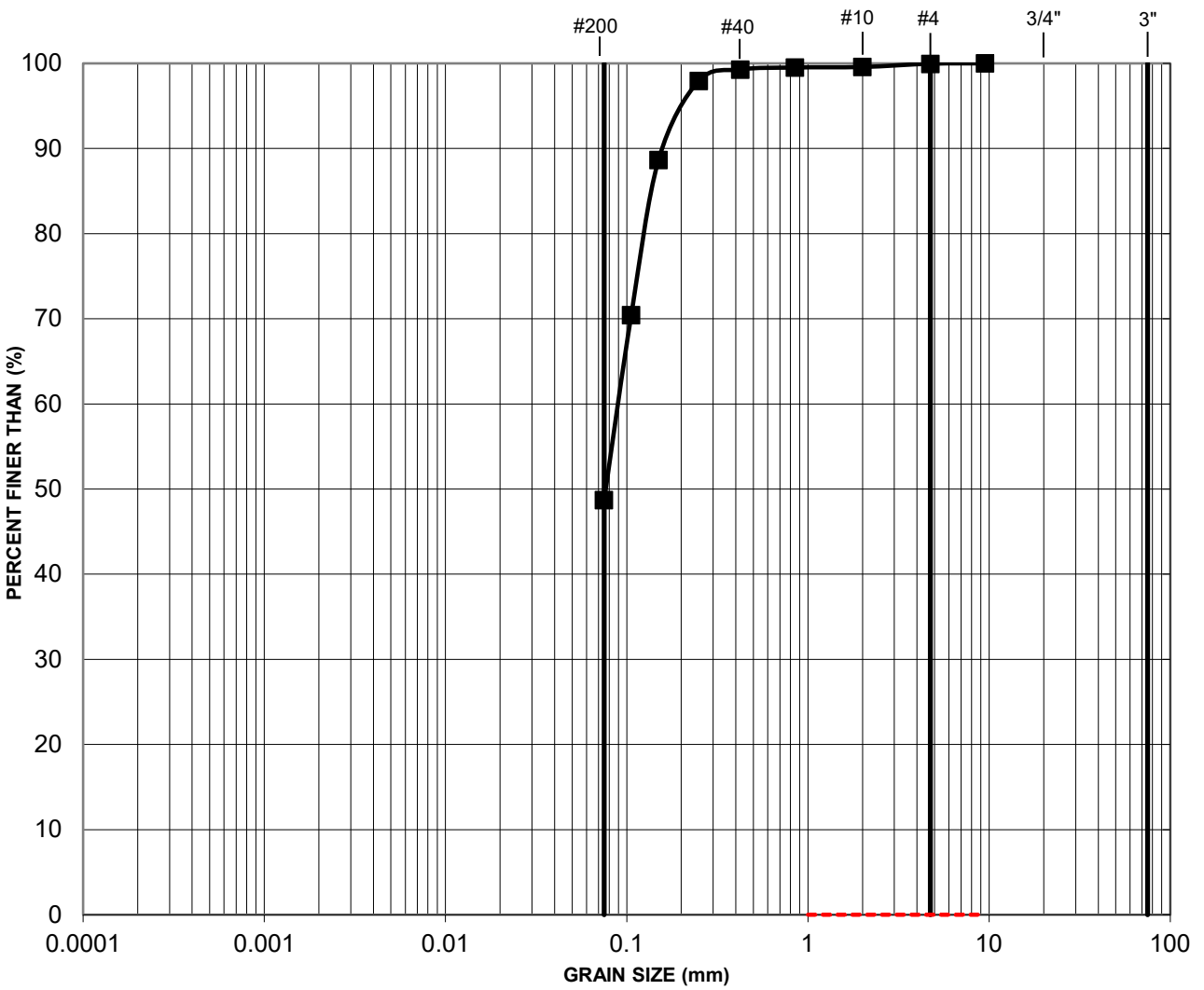
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE

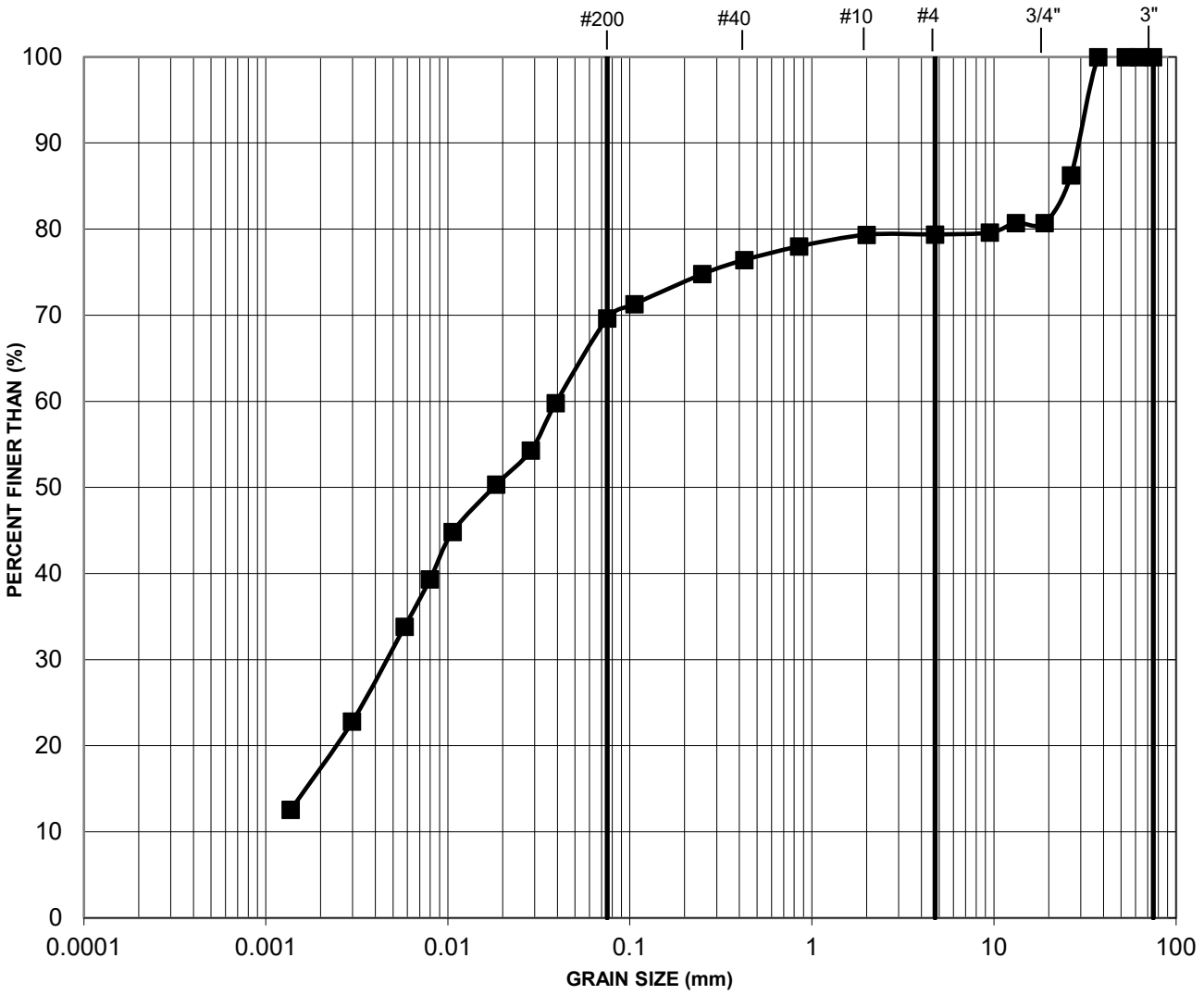


BH / Location	Sample	Depth
SRK22-TSF-BH04	167006	8.2m - 8.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH15	167008	3m - 3.4m

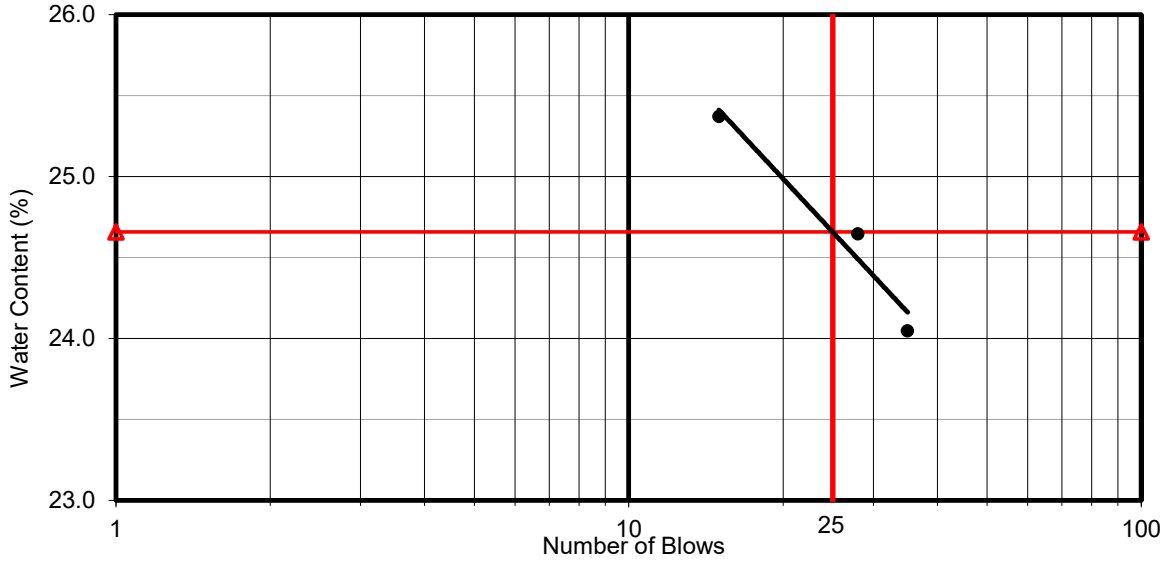
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G415**
Borehole:	**SRK22-TSF-BH15**
Sample Number:	**167008**
Depth of Sample:	**3m - 3.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	66	1m	10m			X	1ml	r14l	
NUMBER OF BLOWS	28	35	15			X	X	X	X
MASS WET SOIL + TARE (g)	23.31	18.93	19.97			885.40	25.24	26.02	
MASS DRY SOIL + TARE (g)	20.88	16.66	17.40			794.26	23.69	24.49	
MASS OF WATER (g)	2.43	2.27	2.57			91.14	1.55	1.53	
MASS OF CONTAINER (g)	11.02	7.22	7.27			243.58	13.99	14.73	
MASS OF DRY SOIL (g)	9.86	9.44	10.13			550.68	9.70	9.76	
WATER CONTENT W (%)	24.6	24.0	25.4			16.6	16.0	15.7	

LIQUID LIMIT (%)	**24.7**
PLASTIC LIMIT (%)	**15.8**
PLASTICITY INDEX (%)	**8.8**
W NATURAL (%)	**16.6**
LIQUIDITY INDEX	**0.08**



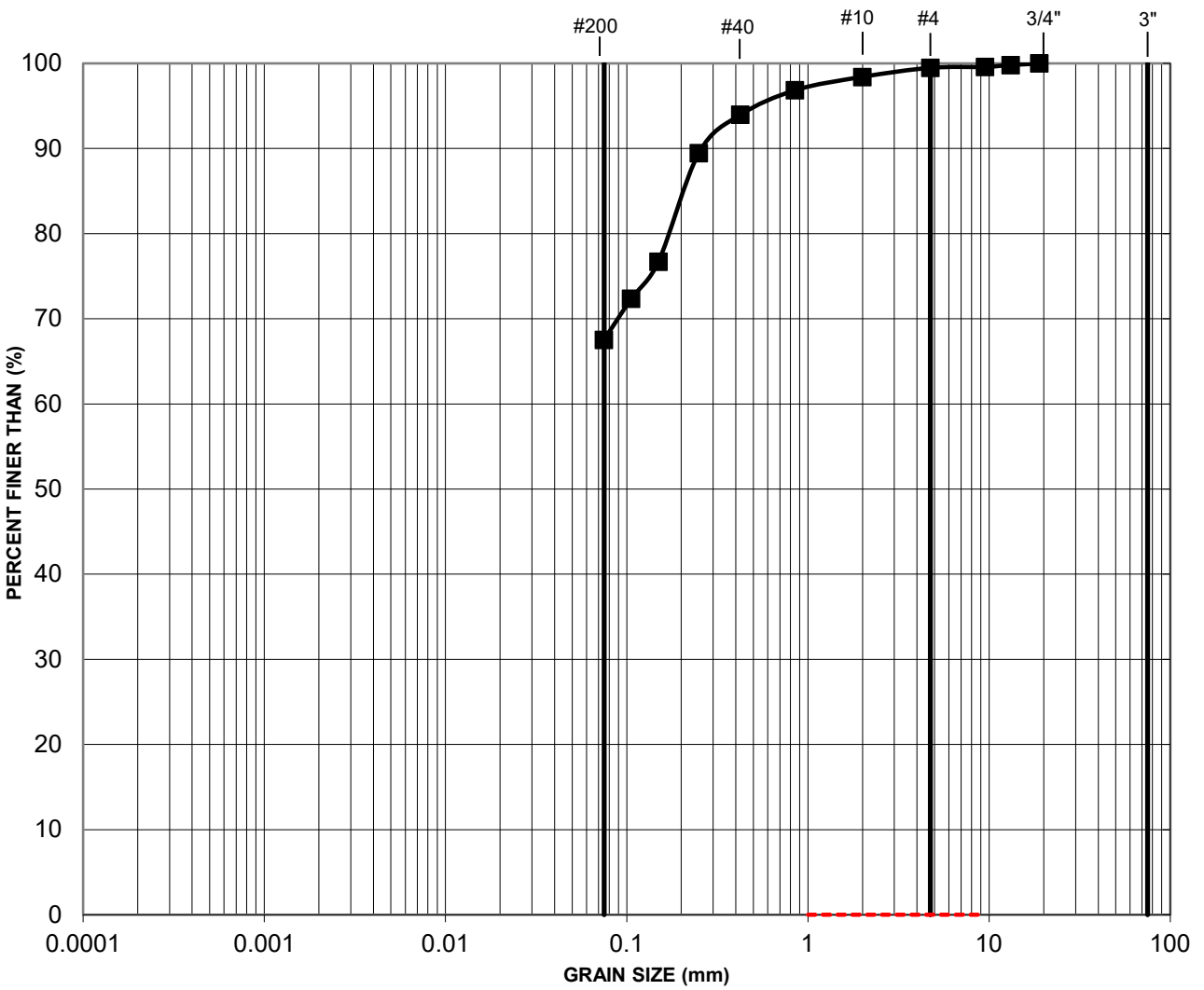
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH15	167012	12.8m - 13.1m

Project No./Phase/Task: 21473972-13000

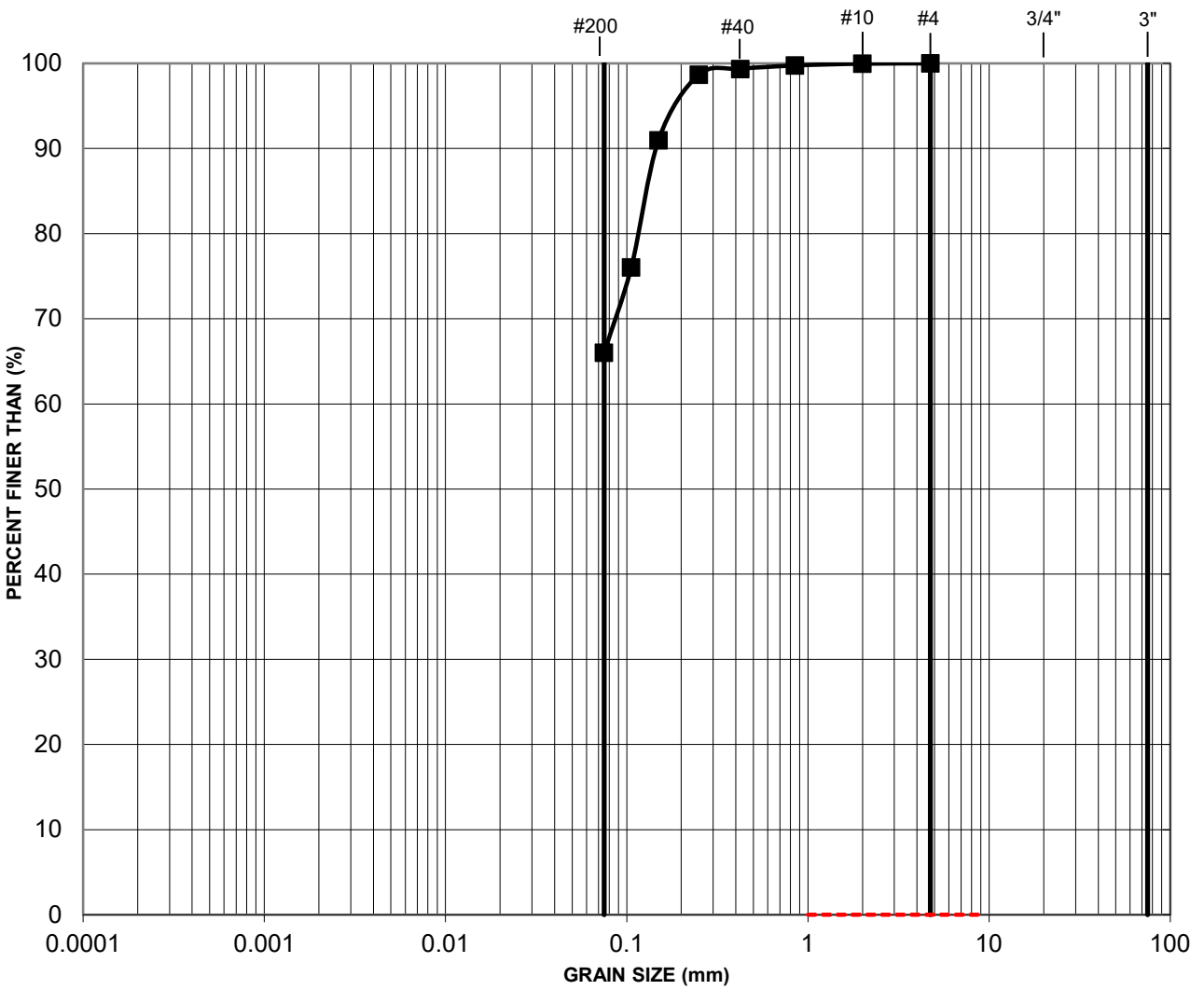
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH15	167019	22.3m - 22.6m

Project No./Phase/Task: 21473972-13000

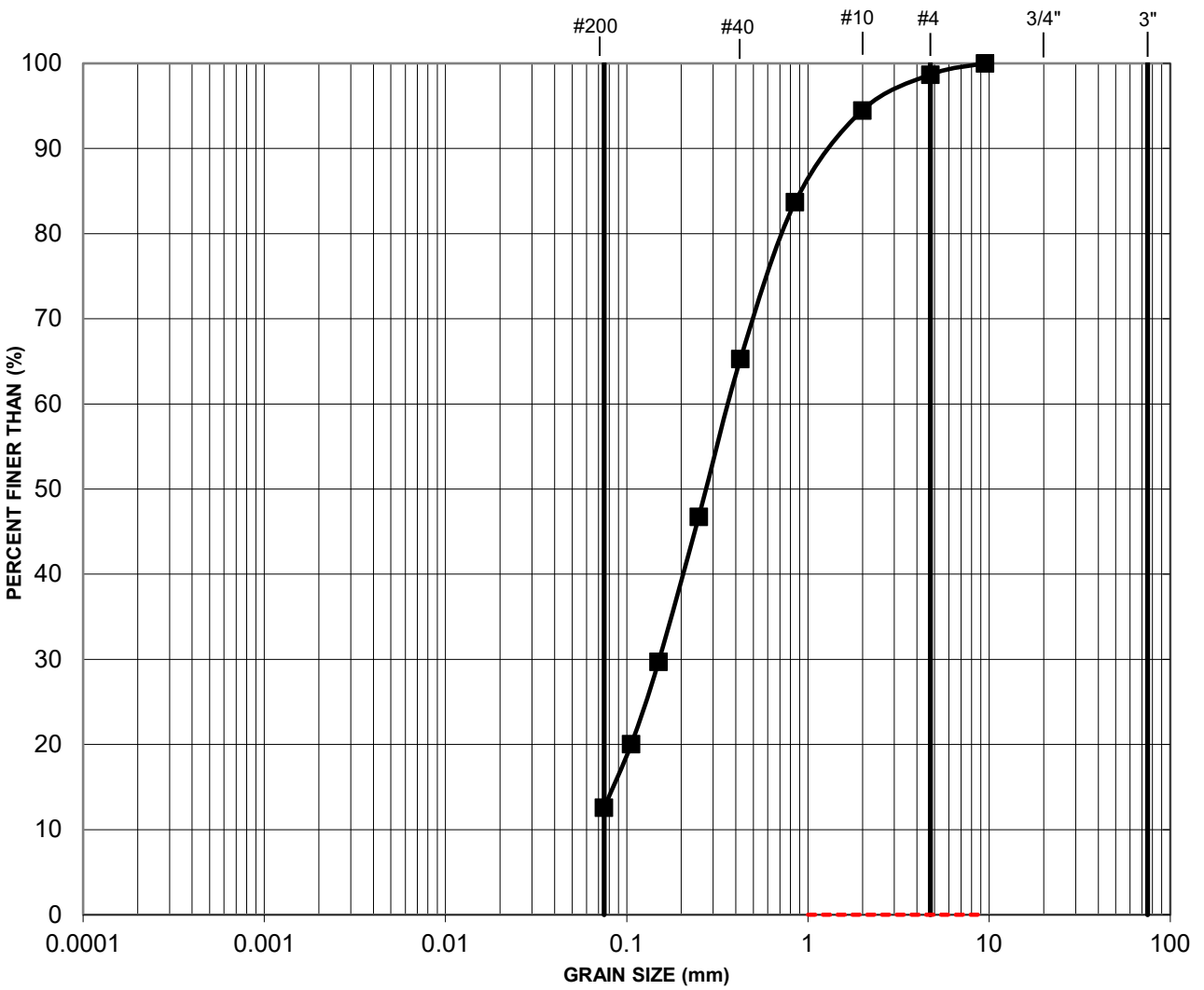
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH15	167021	26.8m - 27.4m

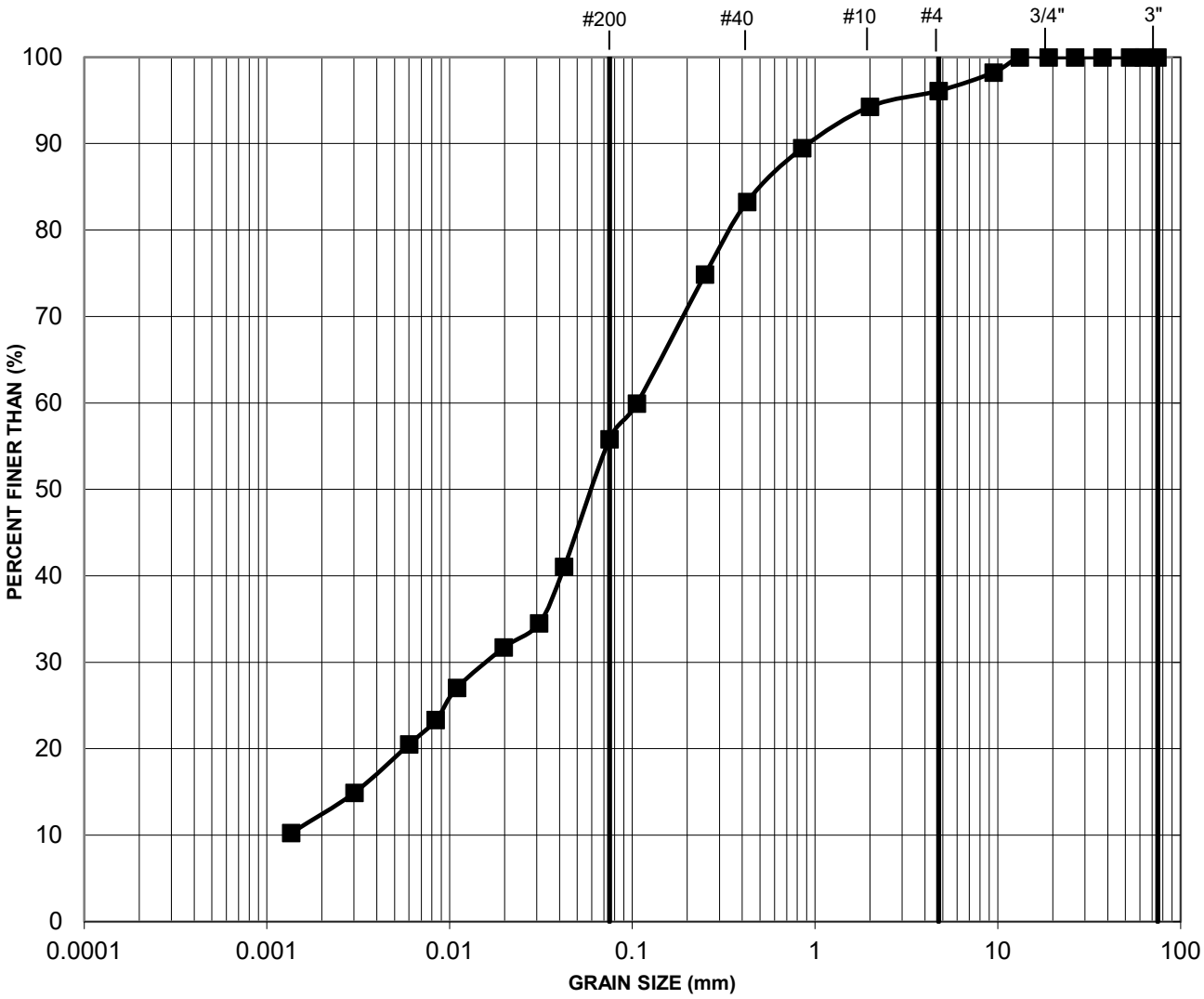
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH15	167023	38.1m - 38.4m

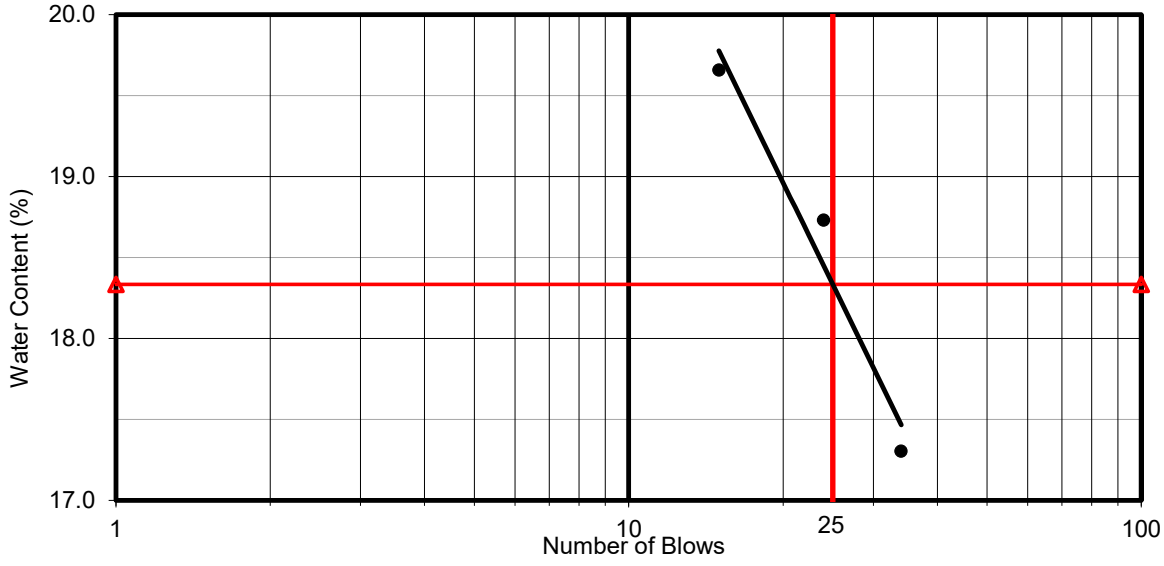
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G419**
Borehole:	**SRK22-TSF-BH15**
Sample Number:	**167023**
Depth of Sample:	**38.1m - 38.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	31	39	909			X	g	ce10	
NUMBER OF BLOWS	15	34	24			X	X	X	X
MASS WET SOIL + TARE (g)	22.28	21.96	22.35			829.57	26.55	26.91	
MASS DRY SOIL + TARE (g)	20.45	20.33	20.55			788.19	25.25	25.66	
MASS OF WATER (g)	1.83	1.63	1.80			41.38	1.30	1.25	
MASS OF CONTAINER (g)	11.14	10.91	10.94			239.60	13.88	14.33	
MASS OF DRY SOIL (g)	9.31	9.42	9.61			548.59	11.37	11.33	
WATER CONTENT W (%)	19.7	17.3	18.7			7.5	11.4	11.0	

LIQUID LIMIT (%)	**18.3**
PLASTIC LIMIT (%)	**11.2**
PLASTICITY INDEX (%)	**7.1**
W NATURAL (%)	**7.5**
LIQUIDITY INDEX	**-0.52**

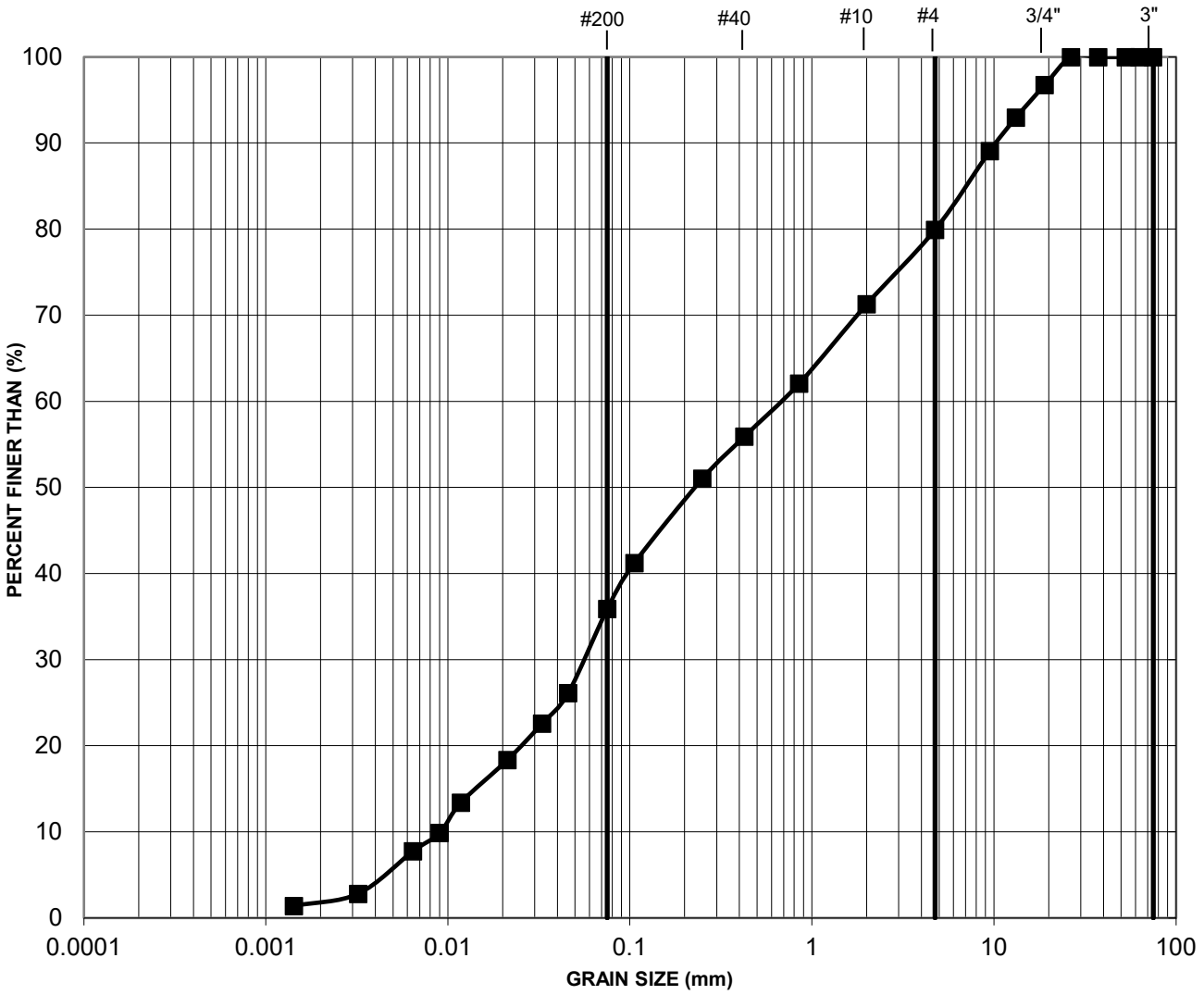


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH15	167030	64.9m - 65.2m

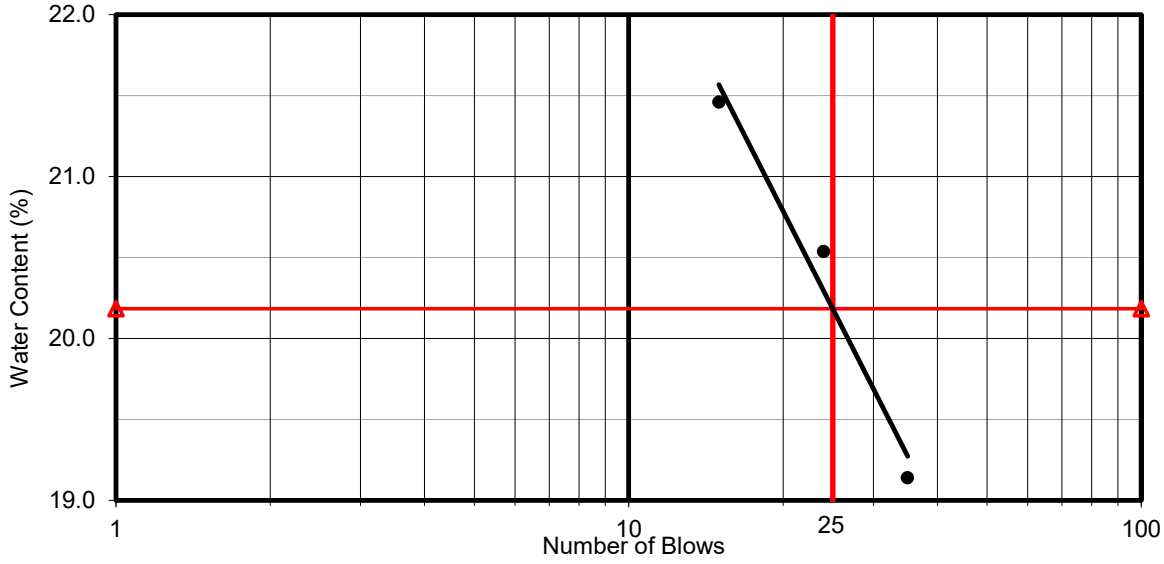
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G420**
Borehole:	**SRK22-TSF-BH15**
Sample Number:	**167030**
Depth of Sample:	**64.9m - 65.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	q12	11	44			**X**	19	23	
NUMBER OF BLOWS	35	24	15			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.54	21.67	22.52			782.69	33.93	33.61	
MASS DRY SOIL + TARE (g)	15.72	19.83	20.52			743.34	32.08	31.83	
MASS OF WATER (g)	1.82	1.84	2.00			39.35	1.85	1.78	
MASS OF CONTAINER (g)	6.21	10.87	11.20			238.52	20.92	20.88	
MASS OF DRY SOIL (g)	9.51	8.96	9.32			504.82	11.16	10.95	
WATER CONTENT W (%)	19.1	20.5	21.5			7.8	16.6	16.3	

LIQUID LIMIT (%)	**20.2**
PLASTIC LIMIT (%)	**16.4**
PLASTICITY INDEX (%)	**3.8**
W NATURAL (%)	**7.8**
LIQUIDITY INDEX	**-2.29**

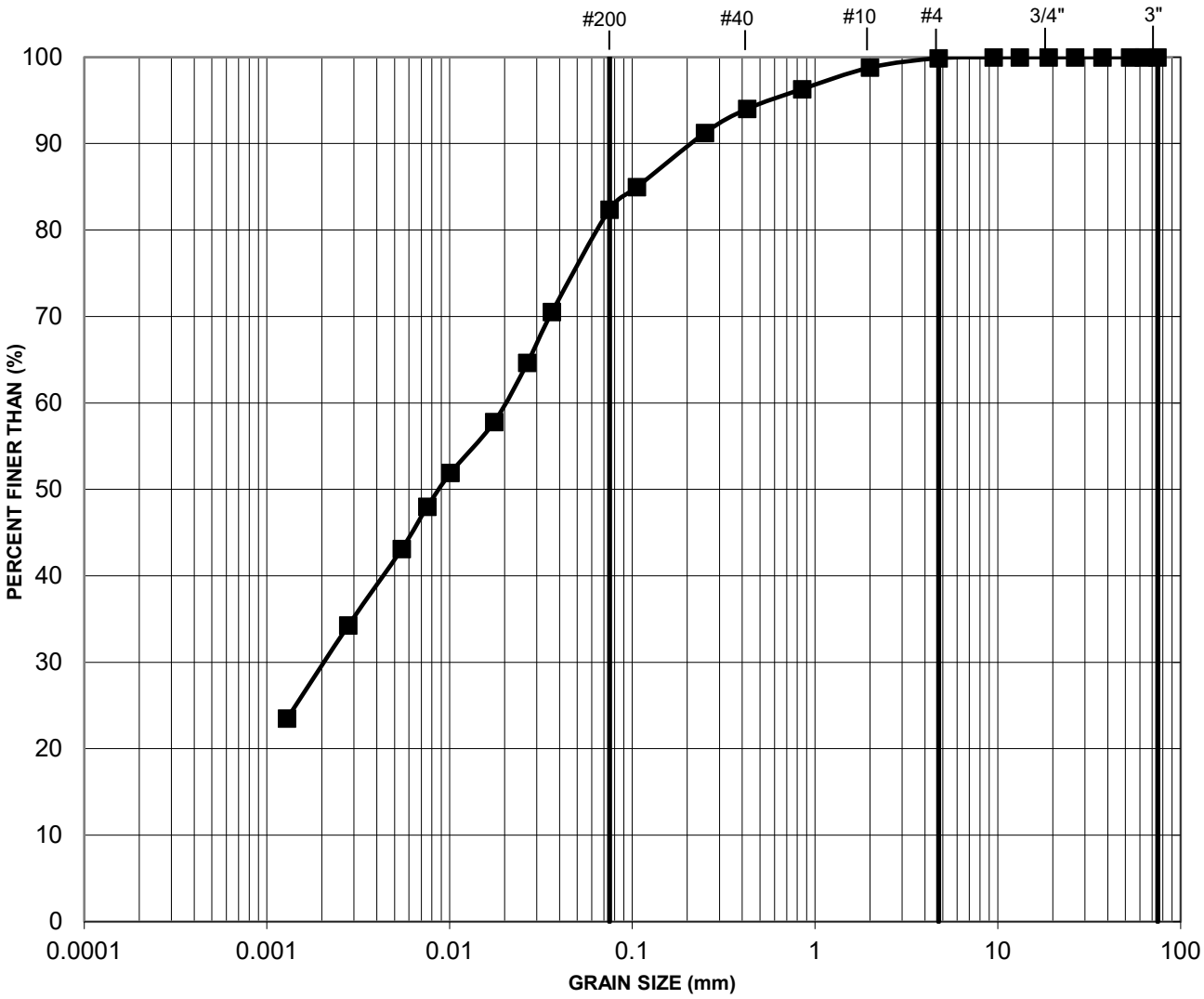


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH05	167035	7.3m - 7.6m

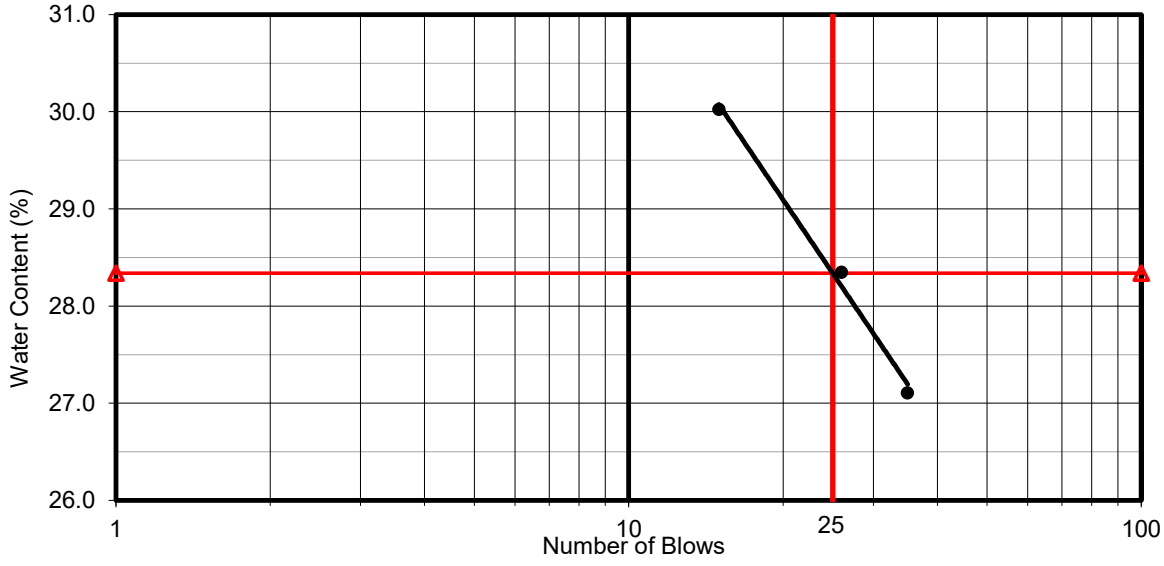
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G421**
Borehole:	**SRK22-TSF-BH05**
Sample Number:	**167035**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	59	65	77			X	6m	29	
NUMBER OF BLOWS	26	35	15			X	X	X	X
MASS WET SOIL + TARE (g)	22.39	23.21	22.85			771.64	26.03	33.40	
MASS DRY SOIL + TARE (g)	19.87	20.60	20.13			671.06	24.39	31.75	
MASS OF WATER (g)	2.52	2.61	2.72			100.58	1.64	1.65	
MASS OF CONTAINER (g)	10.98	10.97	11.07			239.22	13.90	21.18	
MASS OF DRY SOIL (g)	8.89	9.63	9.06			431.84	10.49	10.57	
WATER CONTENT W (%)	28.3	27.1	30.0			23.3	15.6	15.6	

LIQUID LIMIT (%)	**28.3**
PLASTIC LIMIT (%)	**15.6**
PLASTICITY INDEX (%)	**12.7**
W NATURAL (%)	**23.3**
LIQUIDITY INDEX	**0.60**



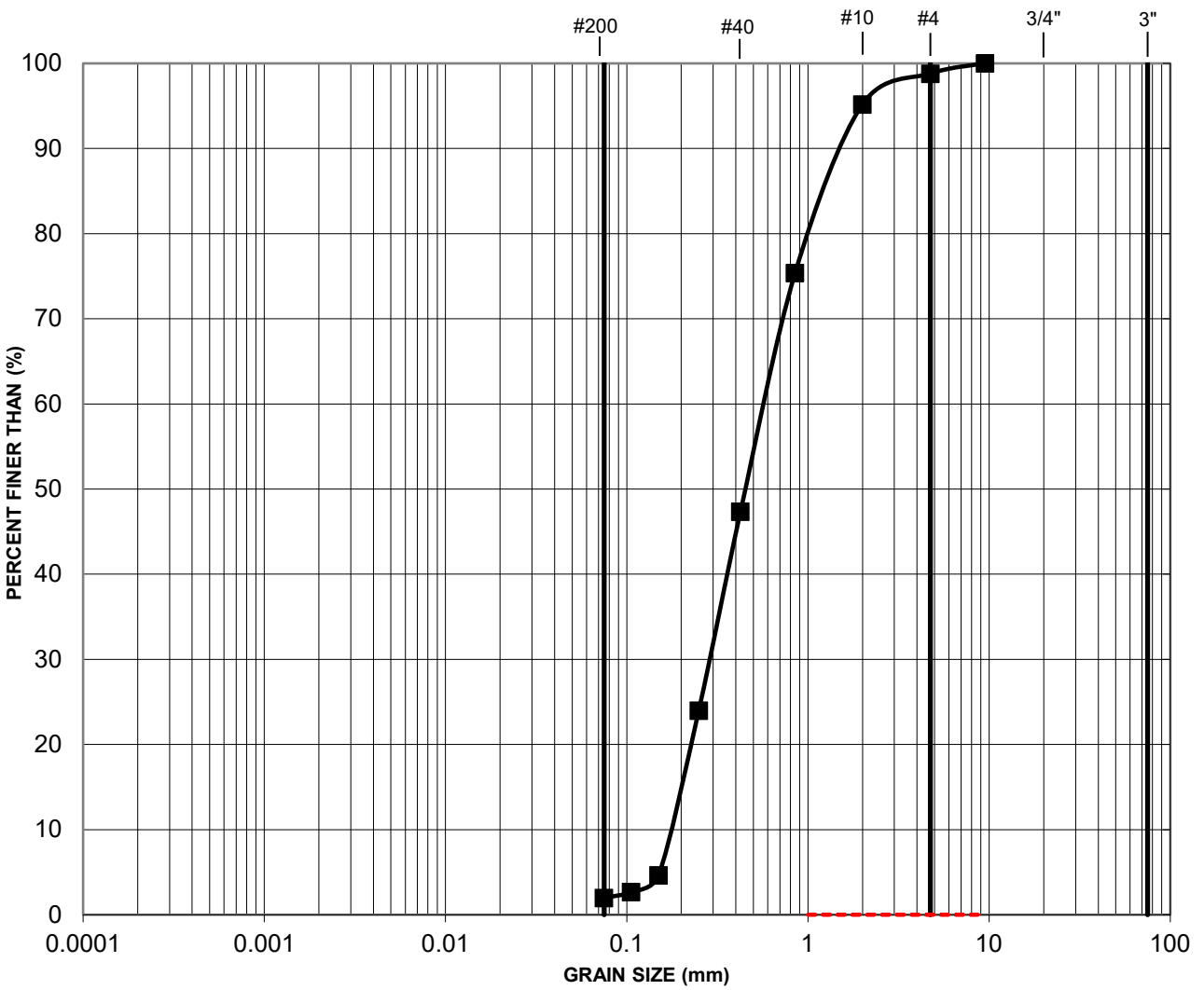
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



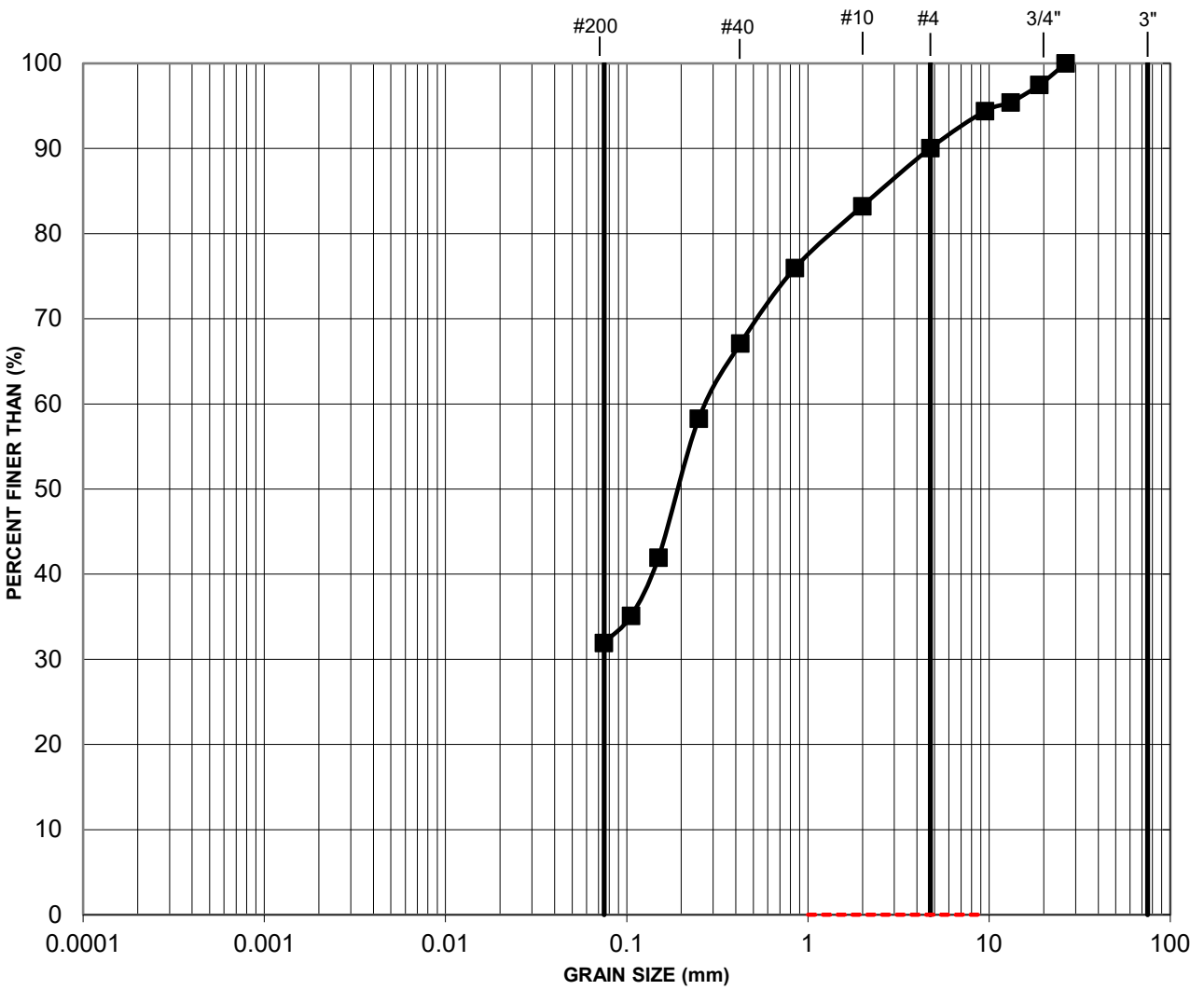
BH / Location	Sample	Depth
SRK22-TSF-BH05	167039	16.8m - 17.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE

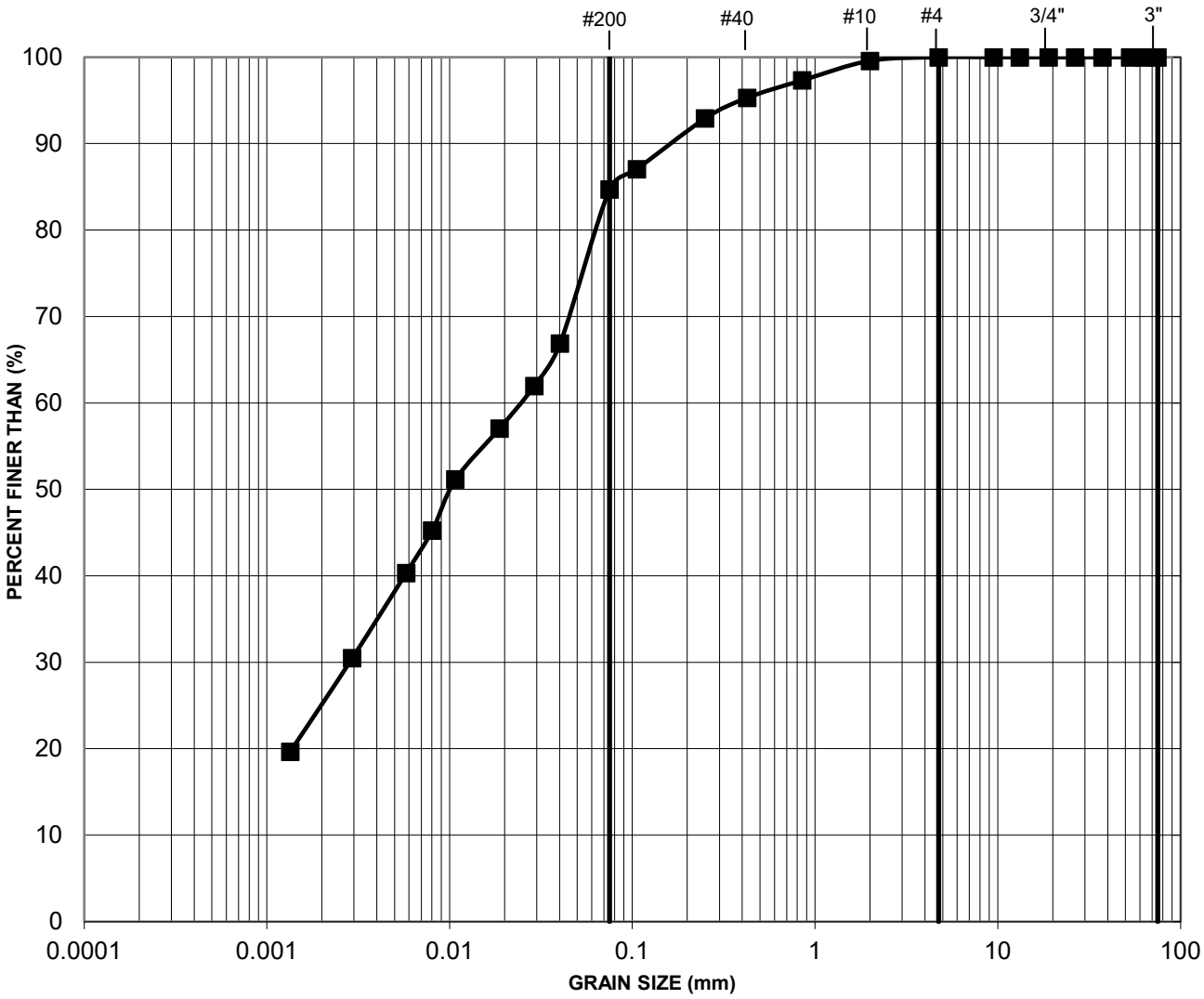


BH / Location	Sample	Depth
SRK22-TSF-BH05	167042	32m - 32.3m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH25	167048	4.9m - 5.5m

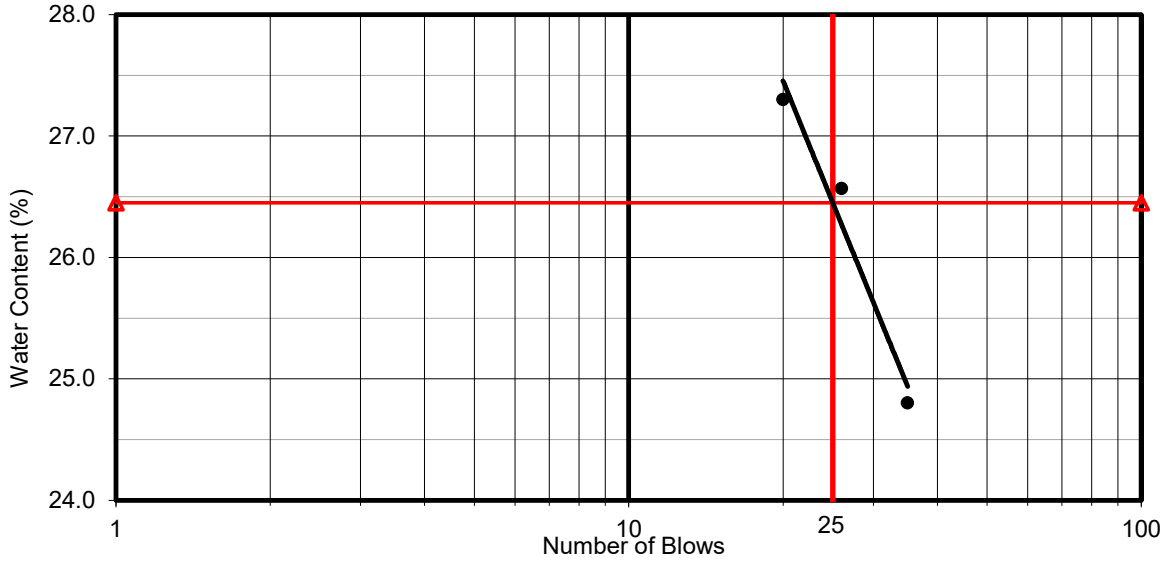
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 24, 2022**
Technician:	**HAB**
Lab Number:	**G424**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**167048**
Depth of Sample:	**4.9m - 5.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	45	85	402			X	m	mr13	
NUMBER OF BLOWS	26	35	20			X	X	X	X
MASS WET SOIL + TARE (g)	23.89	23.50	24.22			761.26	25.87	25.33	
MASS DRY SOIL + TARE (g)	21.22	21.01	21.40			670.32	24.38	23.80	
MASS OF WATER (g)	2.67	2.49	2.82			90.94	1.49	1.53	
MASS OF CONTAINER (g)	11.17	10.97	11.07			237.70	14.02	13.57	
MASS OF DRY SOIL (g)	10.05	10.04	10.33			432.62	10.36	10.23	
WATER CONTENT W (%)	26.6	24.8	27.3			21.0	14.4	15.0	

LIQUID LIMIT (%)	**26.5**
PLASTIC LIMIT (%)	**14.7**
PLASTICITY INDEX (%)	**11.8**
W NATURAL (%)	**21.0**
LIQUIDITY INDEX	**0.54**

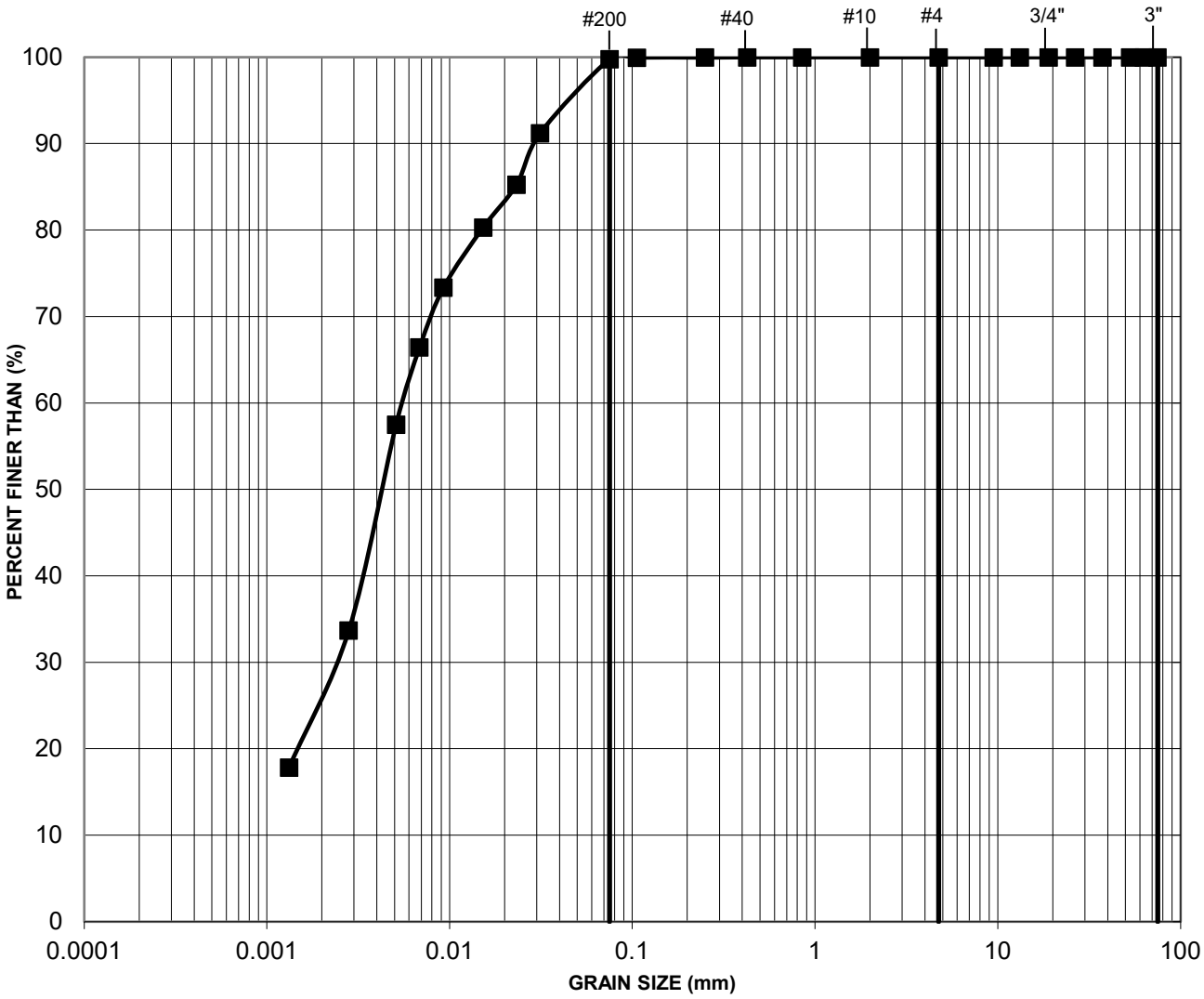


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH25	167454	16.2m - 17.7m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G425**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**167454**
Depth of Sample:	**16.2m - 17.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	21	34	70			X	73	76	
NUMBER OF BLOWS	16	35	23			X	X	X	X
MASS WET SOIL + TARE (g)	21.78	21.20	31.64			806.03	33.59	33.29	
MASS DRY SOIL + TARE (g)	19.13	18.78	29.08			703.48	31.25	30.99	
MASS OF WATER (g)	2.65	2.42	2.56			102.55	2.34	2.30	
MASS OF CONTAINER (g)	11.03	10.97	21.10			243.49	21.05	20.91	
MASS OF DRY SOIL (g)	8.10	7.81	7.98			459.99	10.20	10.08	
WATER CONTENT W (%)	32.7	31.0	32.1			22.3	22.9	22.8	

LIQUID LIMIT (%)	**31.8**
PLASTIC LIMIT (%)	**22.9**
PLASTICITY INDEX (%)	**8.9**
W NATURAL (%)	**22.3**
LIQUIDITY INDEX	**-0.07**

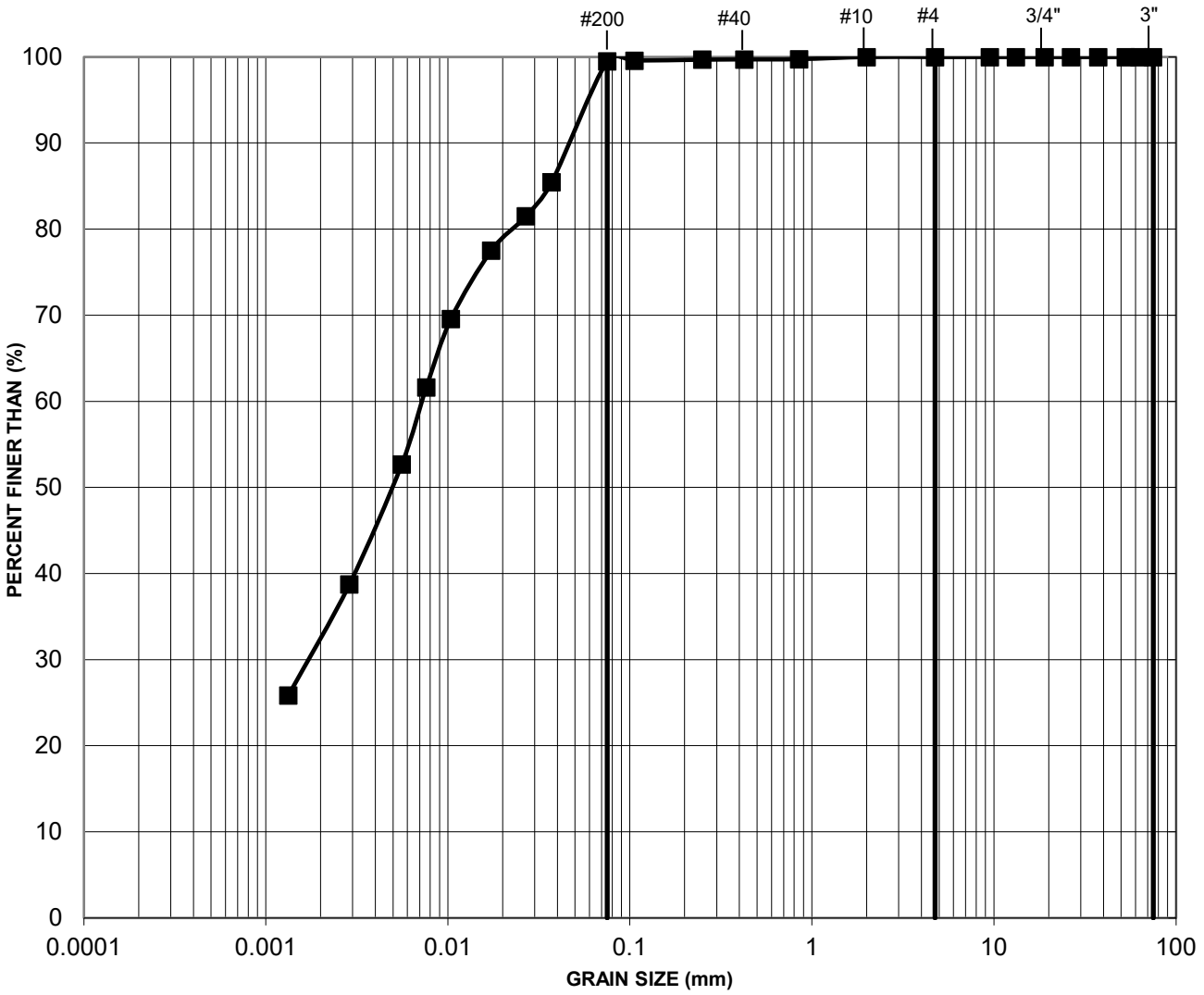


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH25	167455	19.2m - 20.7m

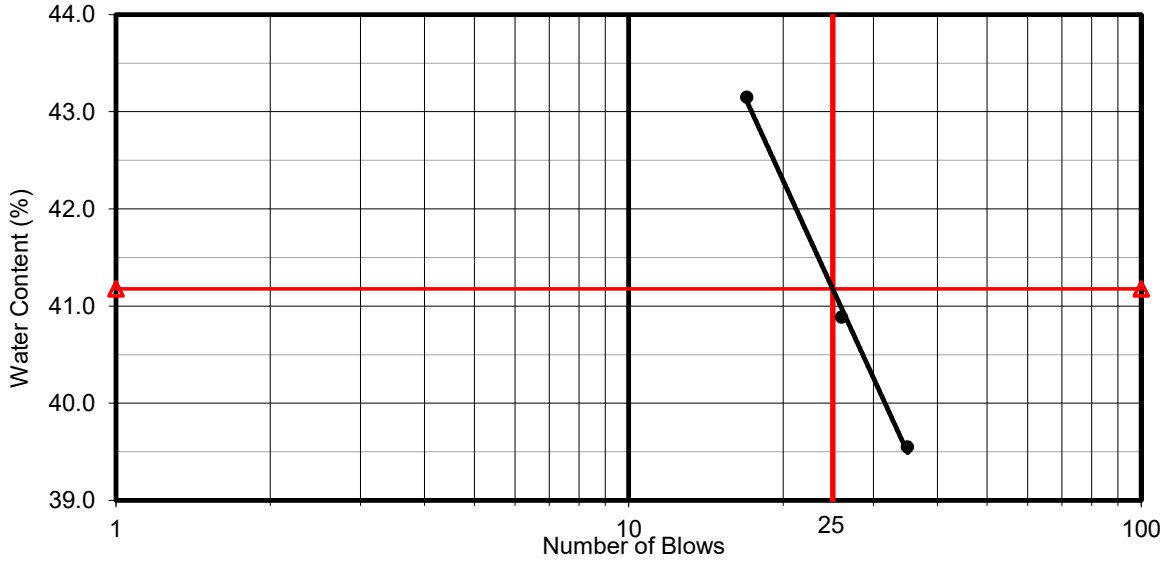
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**10-May-22**
Technician:	**HAB**
Lab Number:	**G426**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**167455**
Depth of Sample:	**19.2m - 20.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	R1	R3	4m			X	h	R21	
NUMBER OF BLOWS	35	26	17			X	X	X	X
MASS WET SOIL + TARE (g)	18.39	20.33	18.57			507.83	26.46	26.36	
MASS DRY SOIL + TARE (g)	15.25	16.54	15.17			458.65	24.19	24.07	
MASS OF WATER (g)	3.14	3.79	3.40			49.18	2.27	2.29	
MASS OF CONTAINER (g)	7.31	7.27	7.29			238.01	14.20	14.36	
MASS OF DRY SOIL (g)	7.94	9.27	7.88			220.64	9.99	9.71	
WATER CONTENT W (%)	39.5	40.9	43.1			22.3	22.7	23.6	

LIQUID LIMIT (%)	**41.2**
PLASTIC LIMIT (%)	**23.2**
PLASTICITY INDEX (%)	**18.0**
W NATURAL (%)	**22.3**
LIQUIDITY INDEX	**-0.05**

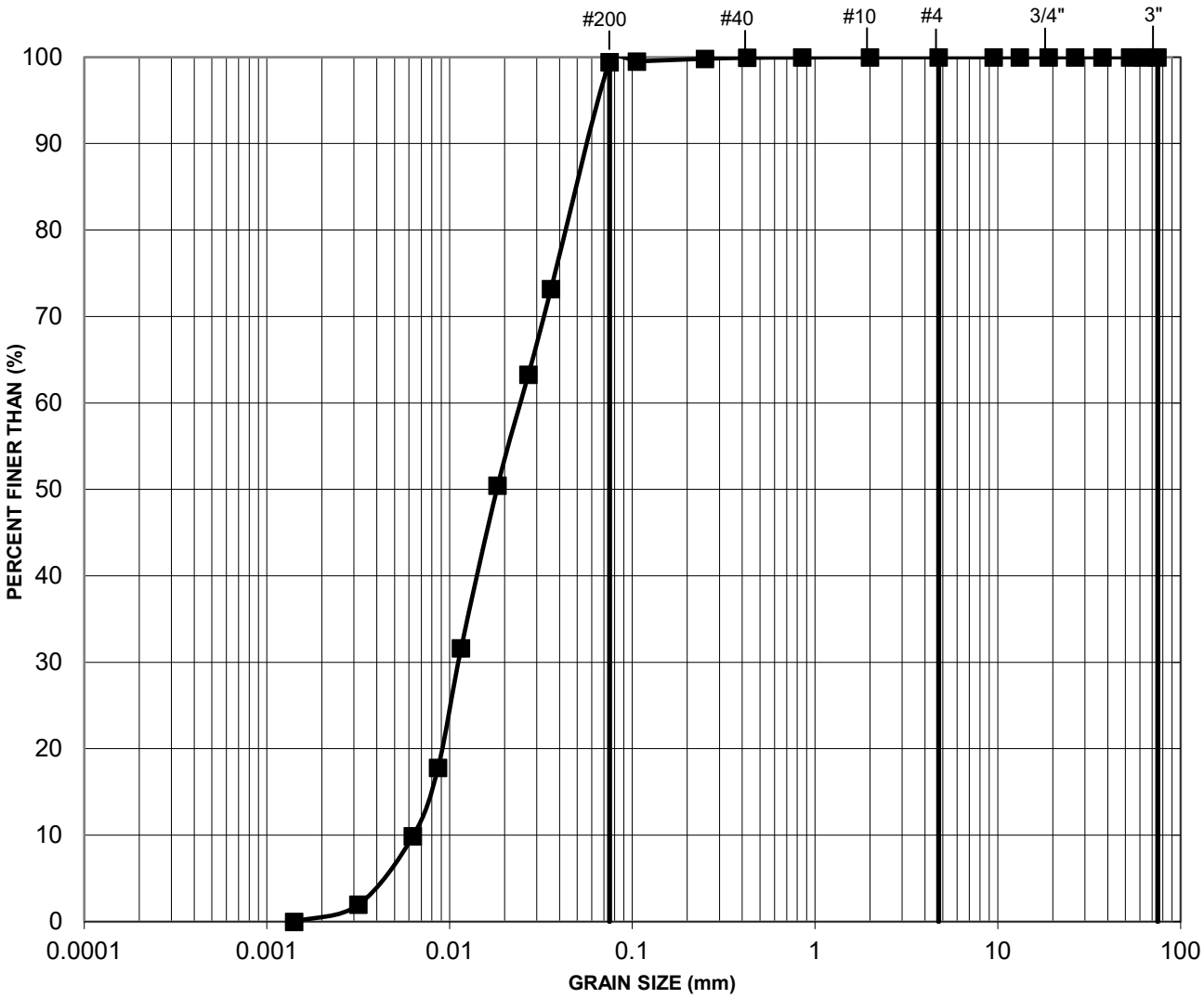


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH25	165458	26.2m - 26.5m

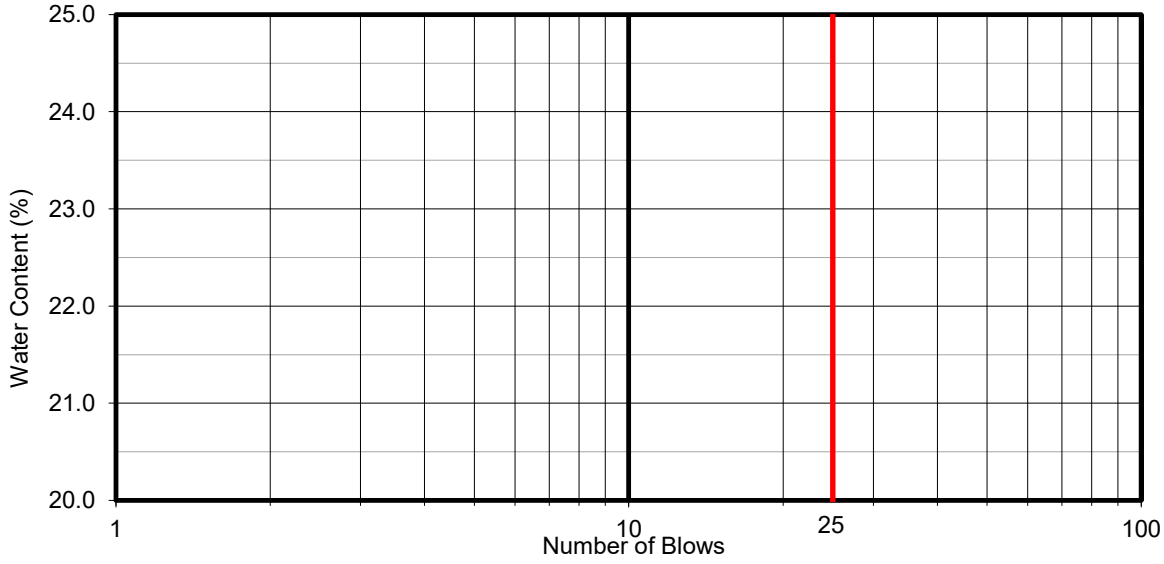
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G427**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**165458**
Depth of Sample:	**26.2m - 26.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						115.62			
MASS DRY SOIL + TARE (g)						98.06			
MASS OF WATER (g)						17.56			
MASS OF CONTAINER (g)						1.88			
MASS OF DRY SOIL (g)						96.18			
WATER CONTENT W (%)						18.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

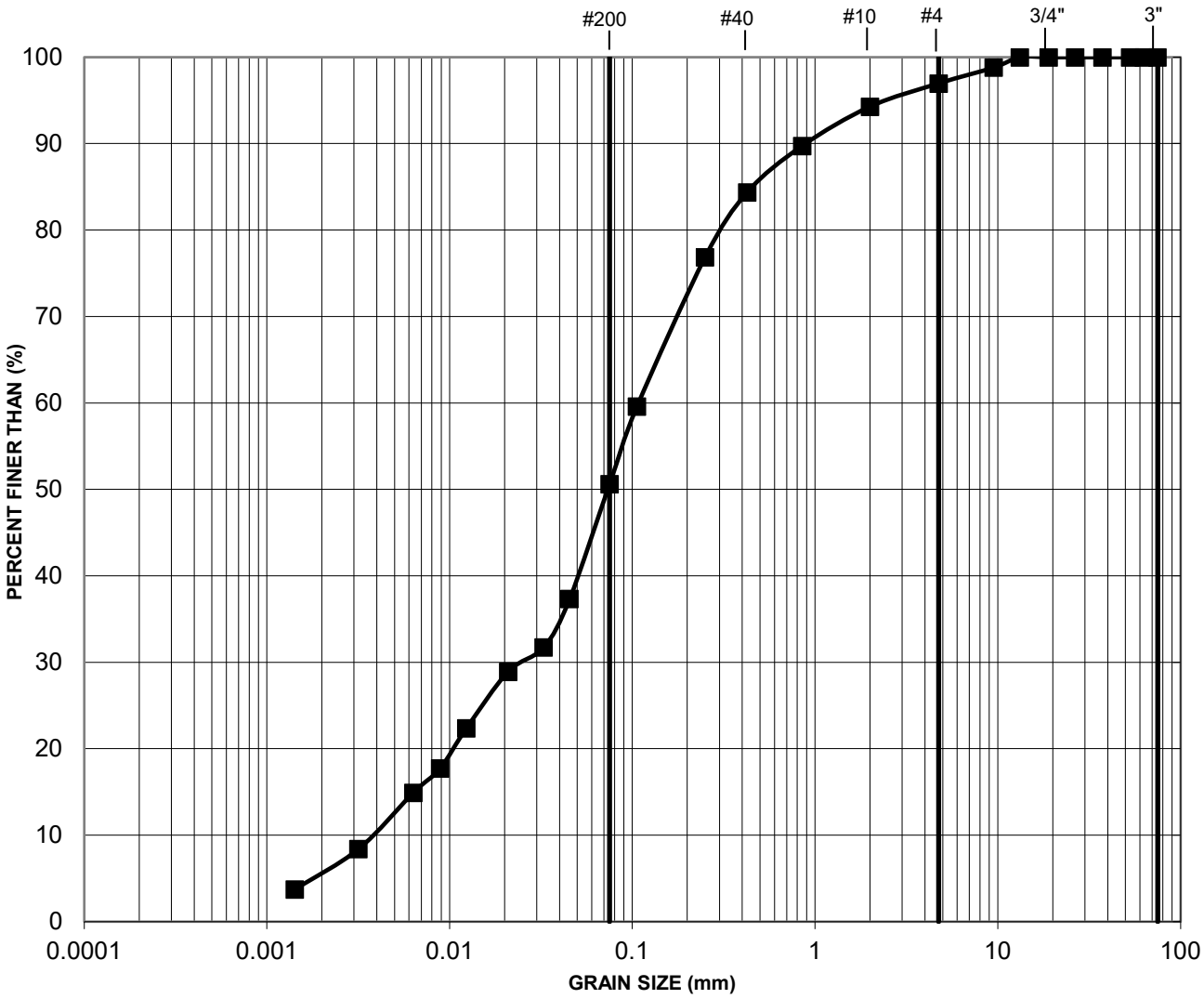


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH25	167464	39.3m - 39.6m

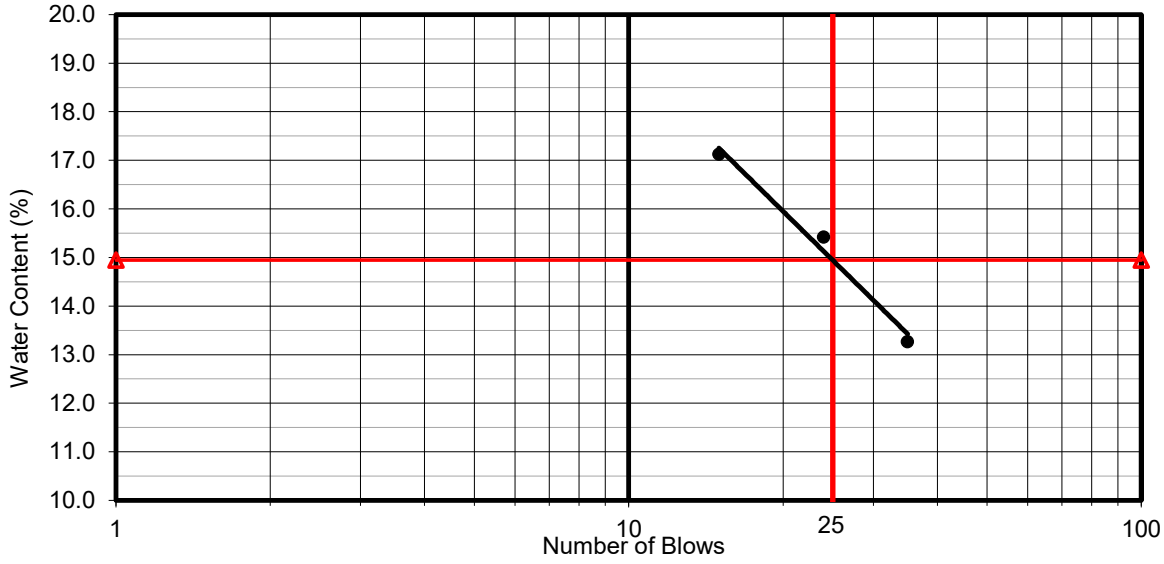
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G428**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**167464**
Depth of Sample:	**39.3m - 39.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	333	65	67			X	77	79	
NUMBER OF BLOWS	15	24	35			X	X	X	X
MASS WET SOIL + TARE (g)	34.50	34.60	35.47			1100.19	32.94	33.66	
MASS DRY SOIL + TARE (g)	32.55	32.85	33.80			1051.18	31.69	32.42	
MASS OF WATER (g)	1.95	1.75	1.67			49.01	1.25	1.24	
MASS OF CONTAINER (g)	21.16	21.50	21.21			529.76	20.75	21.49	
MASS OF DRY SOIL (g)	11.39	11.35	12.59			521.42	10.94	10.93	
WATER CONTENT W (%)	17.1	15.4	13.3			9.4	11.4	11.3	

LIQUID LIMIT (%)	**14.9**
PLASTIC LIMIT (%)	**11.4**
PLASTICITY INDEX (%)	**3.6**
W NATURAL (%)	**9.4**
LIQUIDITY INDEX	**-0.56**



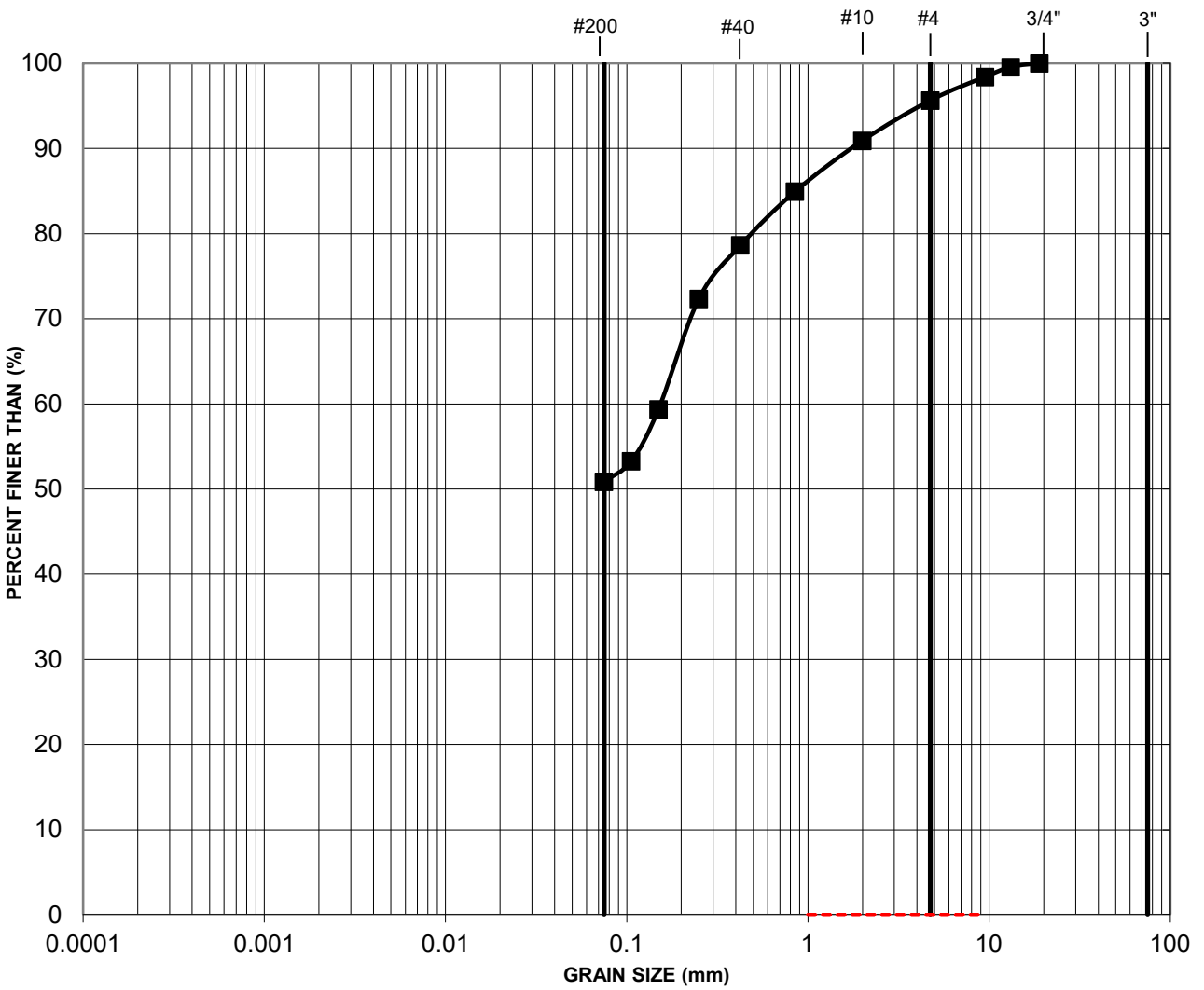
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE

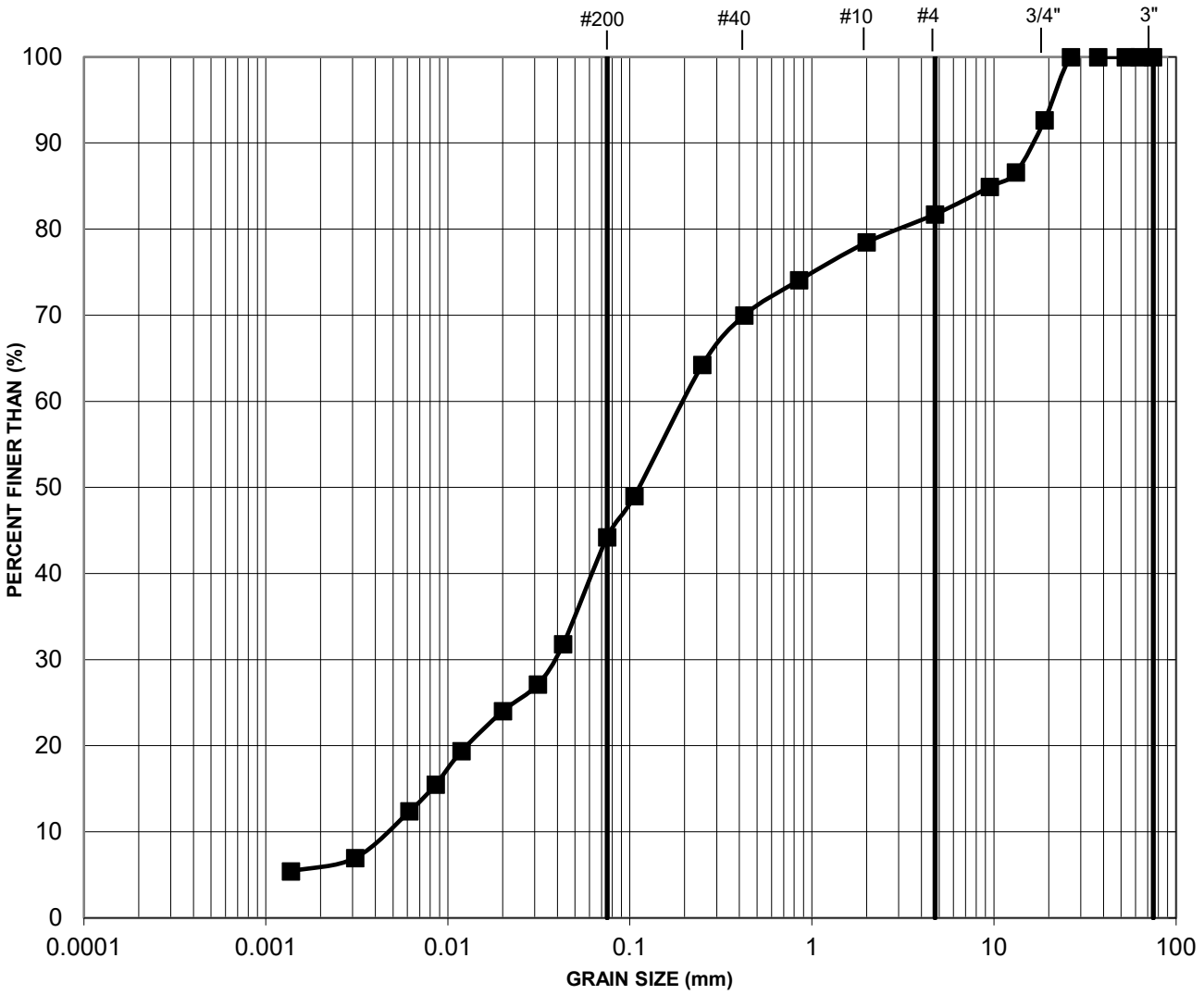


BH / Location	Sample	Depth
SRK22-TSF-BH25	167472	57.9m - 58.2m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH25	167475	64m - 64.6m

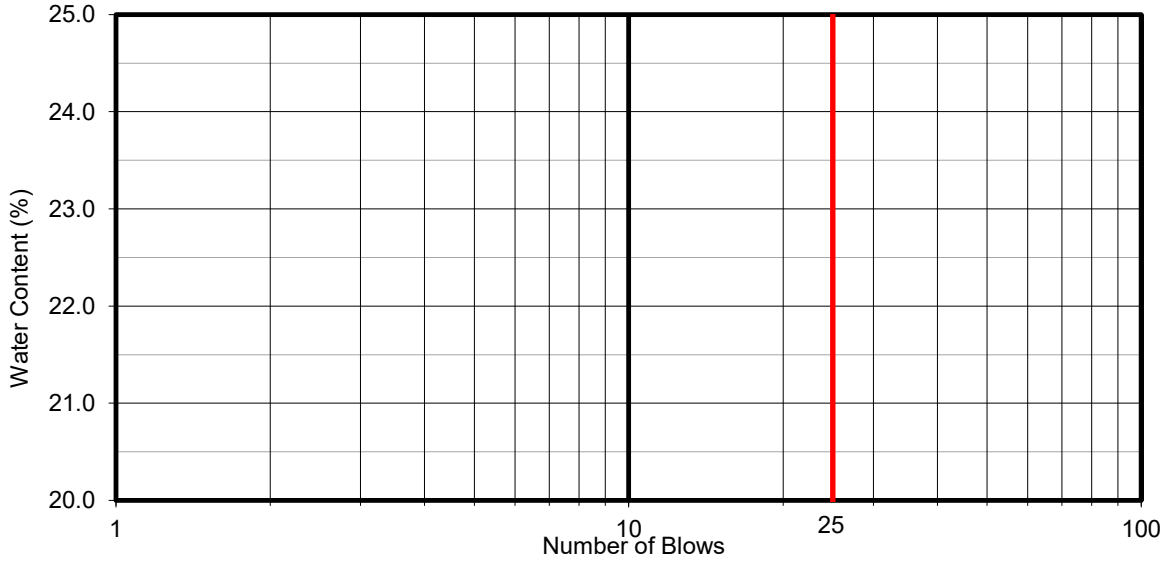
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**EG**
Lab Number:	**G430**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**167475**
Depth of Sample:	**64m - 64.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1093.15			
MASS DRY SOIL + TARE (g)						1036.82			
MASS OF WATER (g)						56.33			
MASS OF CONTAINER (g)						531.06			
MASS OF DRY SOIL (g)						505.76			
WATER CONTENT W (%)						11.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

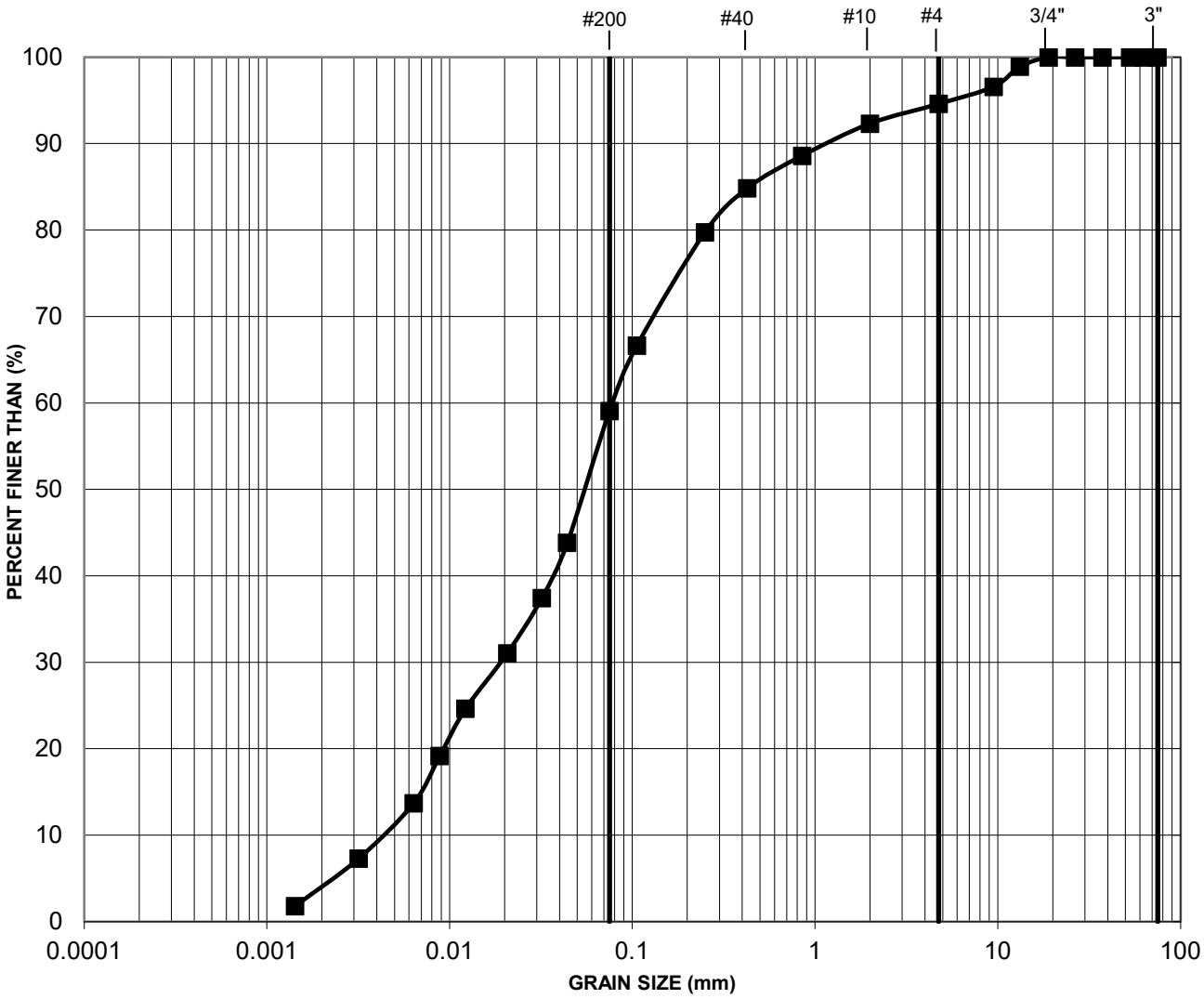


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH25	167479	73.2m - 73.8m

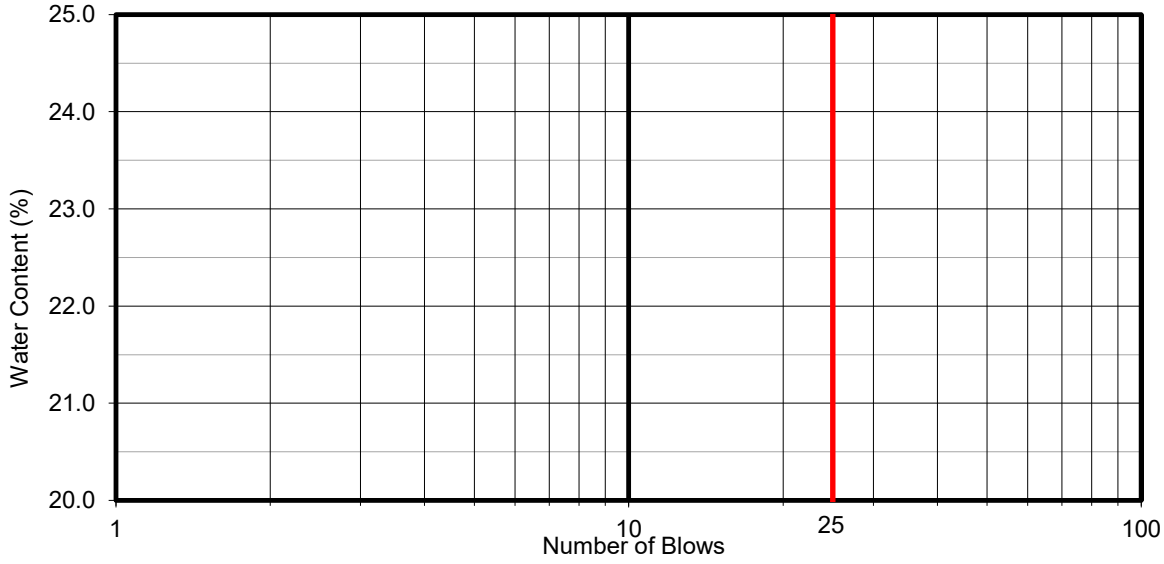
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**EG**
Lab Number:	**G431**
Borehole:	**SRK22-TSF-BH25**
Sample Number:	**167479**
Depth of Sample:	**73.2m - 73.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						879.31			
MASS DRY SOIL + TARE (g)						844.61			
MASS OF WATER (g)						34.70			
MASS OF CONTAINER (g)						384.90			
MASS OF DRY SOIL (g)						459.71			
WATER CONTENT W (%)						7.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

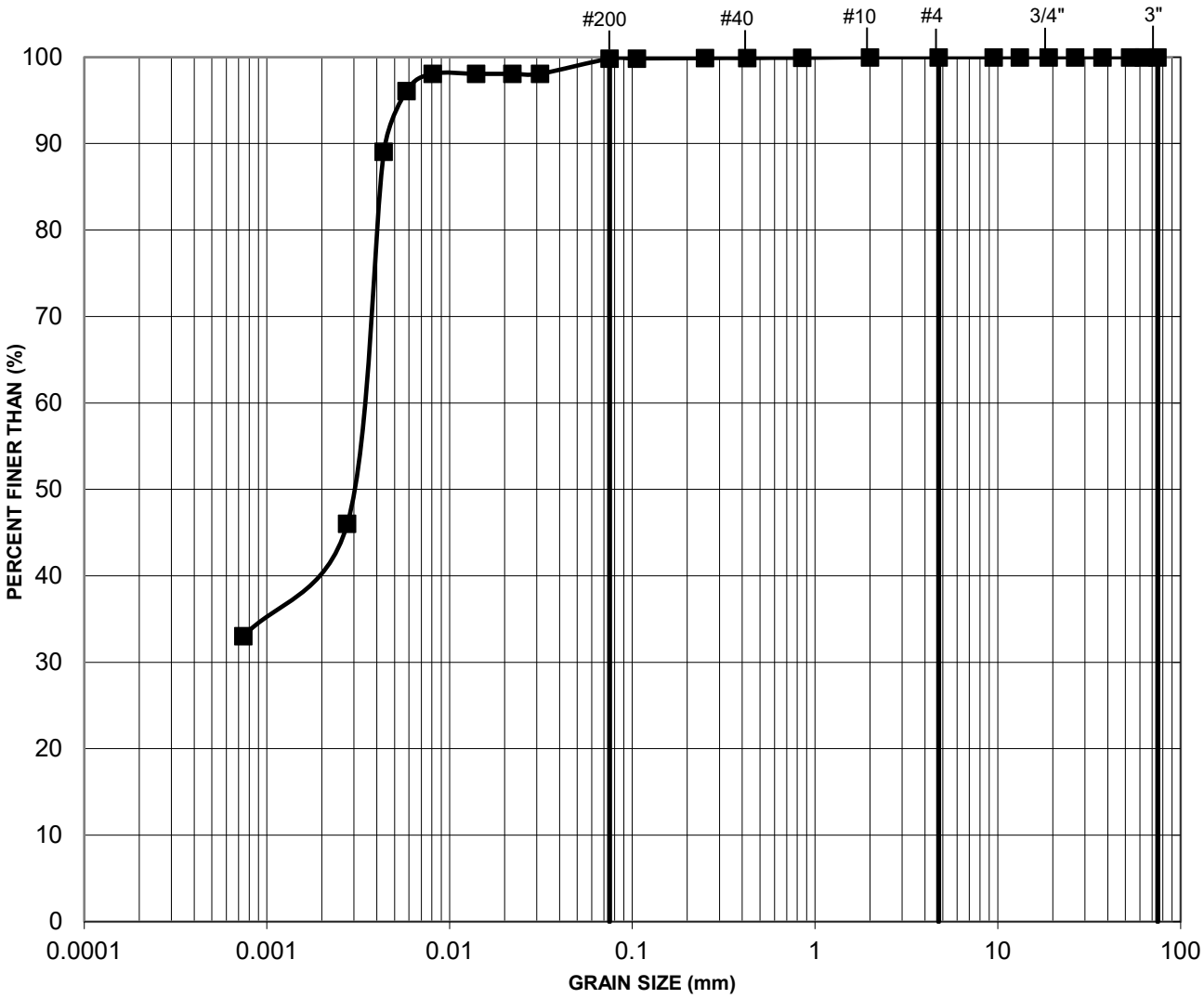


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH27	167490	15.8m - 16m

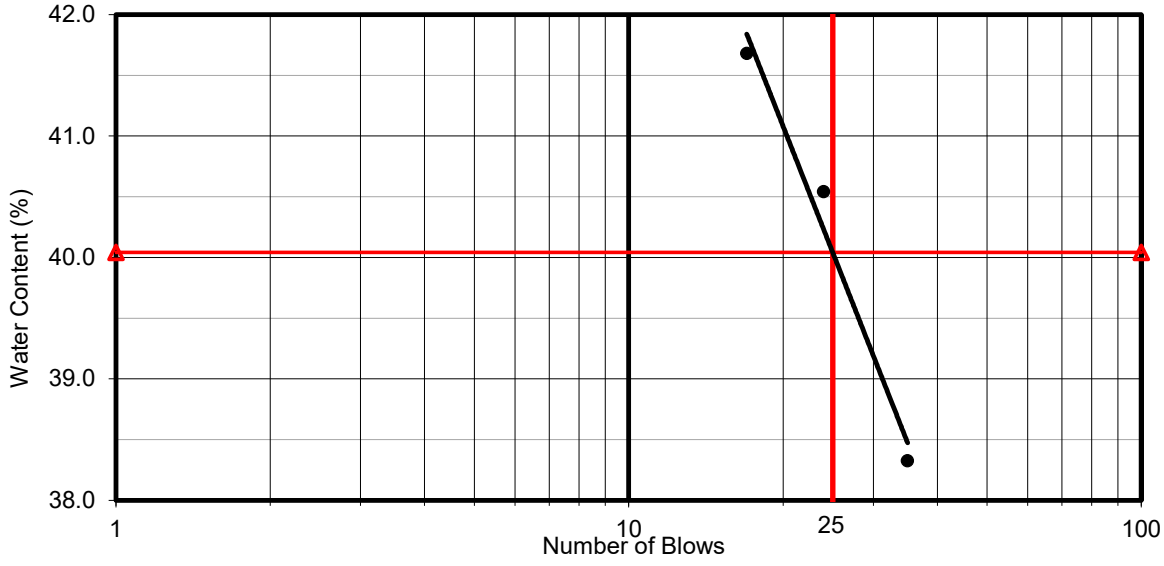
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G433**
Borehole:	**SRK22-TSF-BH27**
Sample Number:	**167490**
Depth of Sample:	**15.8m - 16m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	9	9m	18			**X**	N	Z	
NUMBER OF BLOWS	35	24	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.00	18.19	17.69			624.68	26.42	26.58	
MASS DRY SOIL + TARE (g)	14.98	15.04	14.61			557.68	24.33	24.48	
MASS OF WATER (g)	3.02	3.15	3.08			67.00	2.09	2.10	
MASS OF CONTAINER (g)	7.10	7.27	7.22			385.47	14.31	14.27	
MASS OF DRY SOIL (g)	7.88	7.77	7.39			172.21	10.02	10.21	
WATER CONTENT W (%)	38.3	40.5	41.7			38.9	20.9	20.6	

LIQUID LIMIT (%)	**40.0**
PLASTIC LIMIT (%)	**20.7**
PLASTICITY INDEX (%)	**19.3**
W NATURAL (%)	**38.9**
LIQUIDITY INDEX	**0.94**

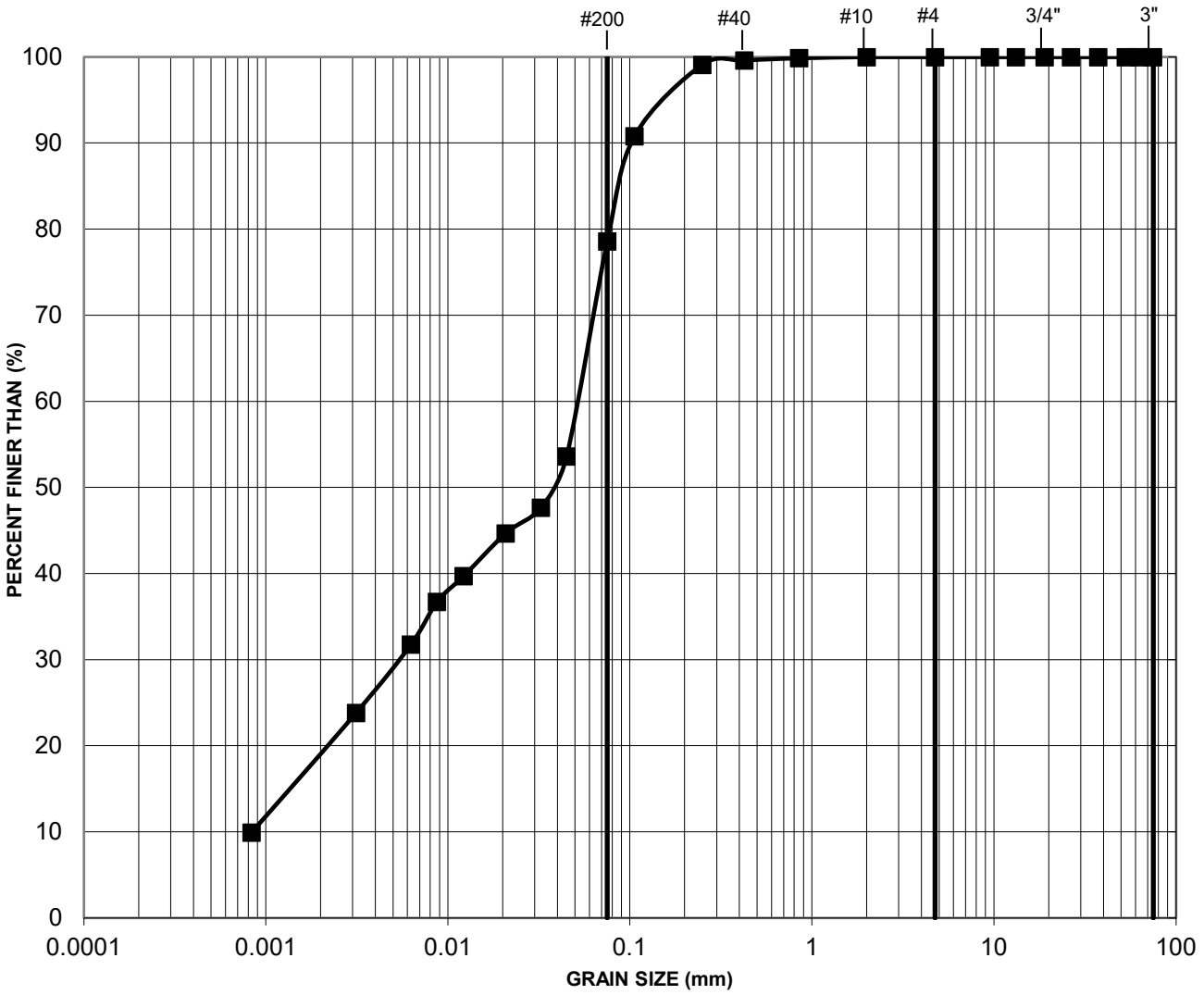


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH27	167492	20.1m - 20.4m

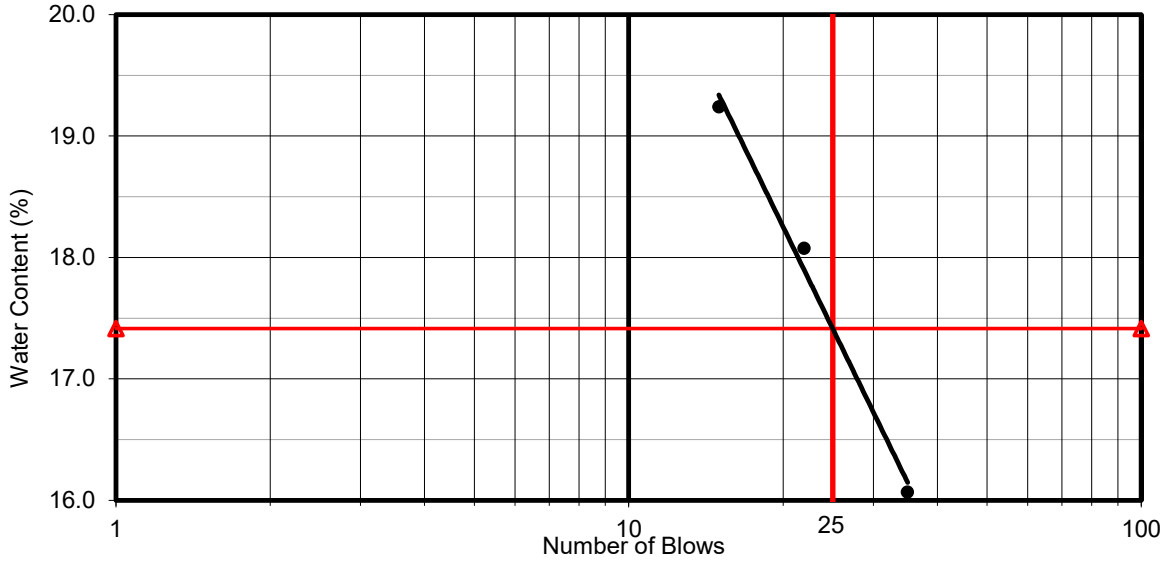
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G434**
Borehole:	**SRK22-TSF-BH27**
Sample Number:	**167492**
Depth of Sample:	**20.1m - 20.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2m	3L	R6			**X**	A	R4	
NUMBER OF BLOWS	15	22	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.90	19.29	21.42			688.59	26.52	26.52	
MASS DRY SOIL + TARE (g)	16.18	17.45	19.46			634.45	25.09	25.08	
MASS OF WATER (g)	1.72	1.84	1.96			54.14	1.43	1.44	
MASS OF CONTAINER (g)	7.24	7.27	7.26			387.53	14.12	13.98	
MASS OF DRY SOIL (g)	8.94	10.18	12.20			246.92	10.97	11.10	
WATER CONTENT W (%)	19.2	18.1	16.1			21.9	13.0	13.0	

LIQUID LIMIT (%)	**17.4**
PLASTIC LIMIT (%)	**13.0**
PLASTICITY INDEX (%)	**4.4**
W NATURAL (%)	**21.9**
LIQUIDITY INDEX	**2.02**

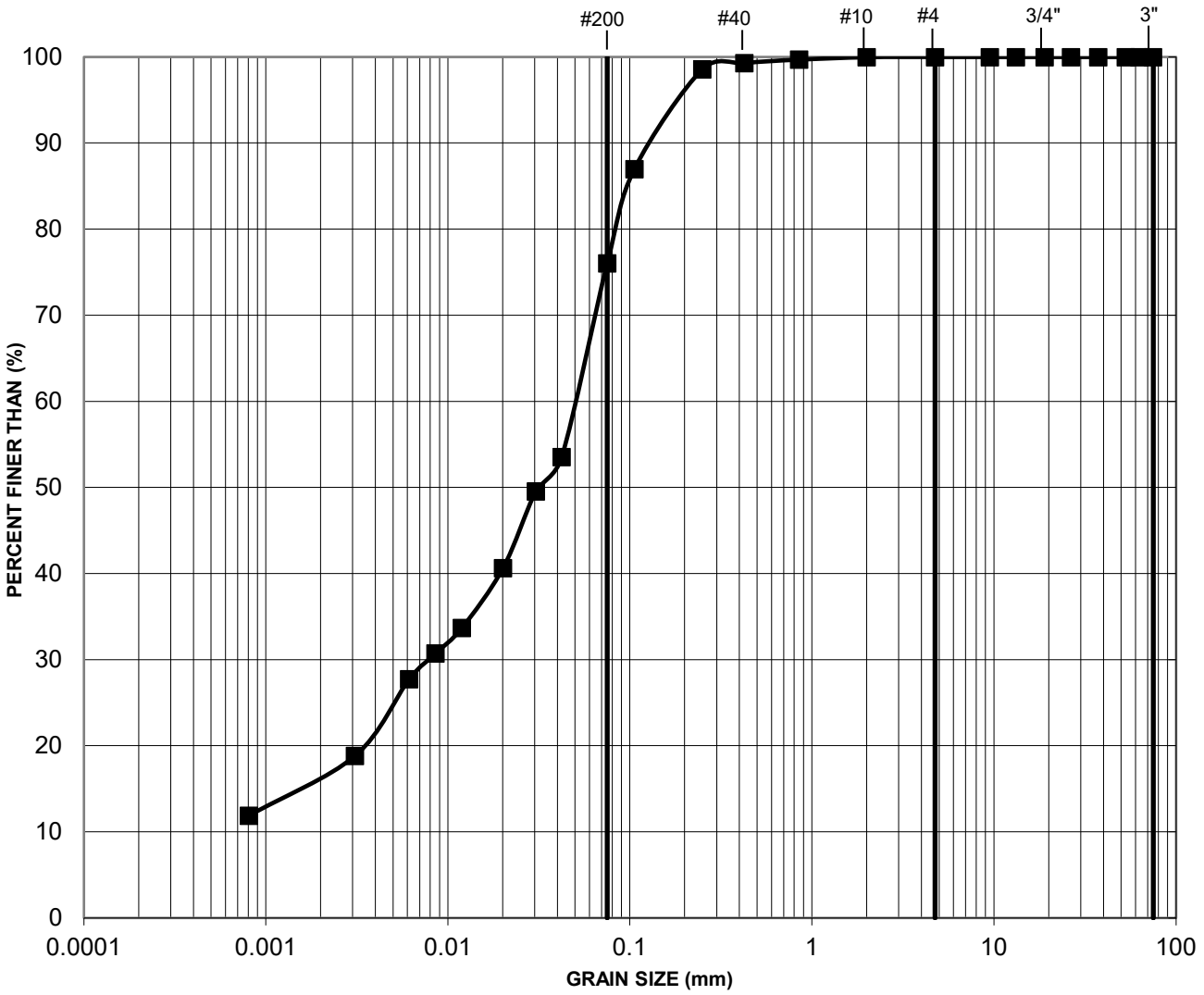


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH27	167493	23.2m - 23.5m

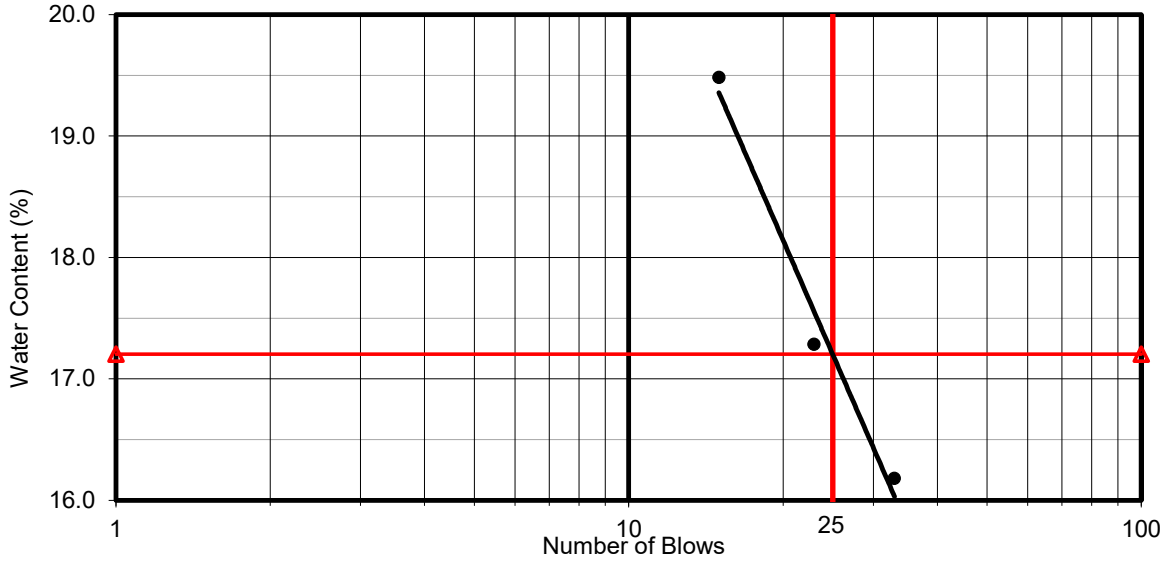
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G435**
Borehole:	**SRK22-TSF-BH27**
Sample Number:	**167493**
Depth of Sample:	**23.2m - 23.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	6	R7	R8L			**X**	R6	AB16	
NUMBER OF BLOWS	15	33	23			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.27	20.70	18.95			796.15	27.48	26.67	
MASS DRY SOIL + TARE (g)	16.47	18.82	17.22			732.76	25.97	25.20	
MASS OF WATER (g)	1.80	1.88	1.73			63.39	1.51	1.47	
MASS OF CONTAINER (g)	7.23	7.20	7.21			394.89	14.19	13.55	
MASS OF DRY SOIL (g)	9.24	11.62	10.01			337.87	11.78	11.65	
WATER CONTENT W (%)	19.5	16.2	17.3			18.8	12.8	12.6	

LIQUID LIMIT (%)	**17.2**
PLASTIC LIMIT (%)	**12.7**
PLASTICITY INDEX (%)	**4.5**
W NATURAL (%)	**18.8**
LIQUIDITY INDEX	**1.35**



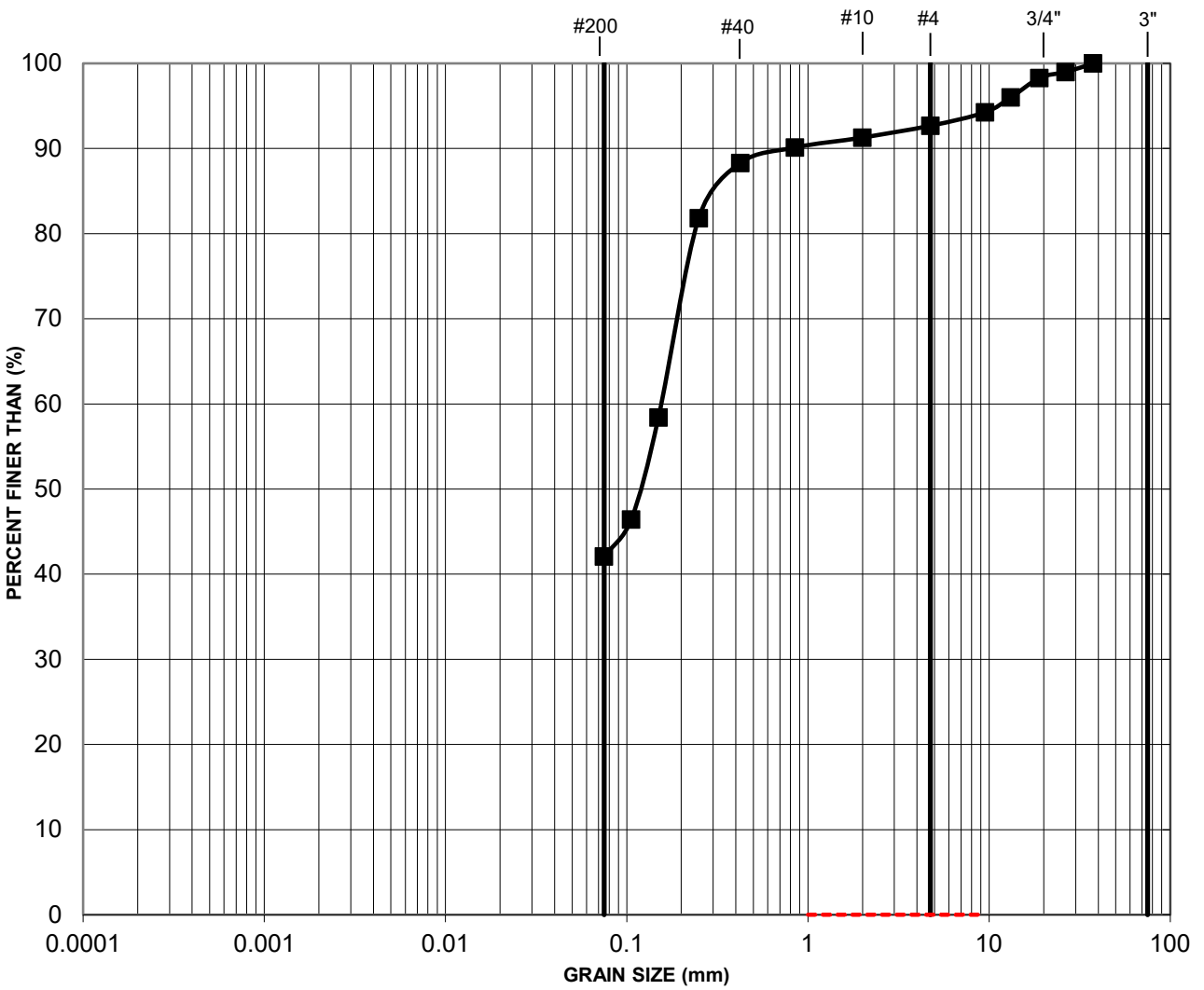
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH27	167496	29.3m - 29.6m

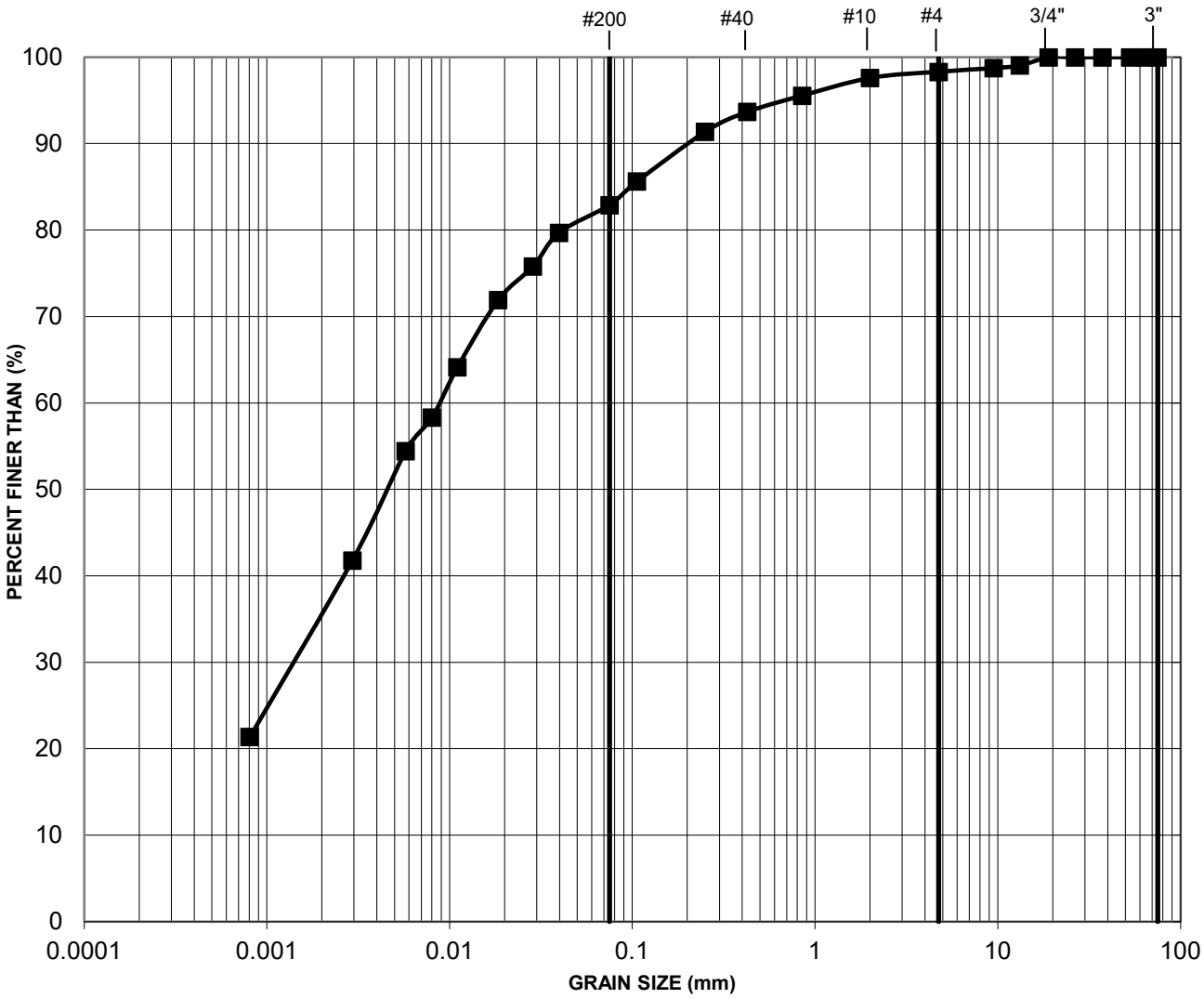
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH11	167704	4.6m - 4.9m

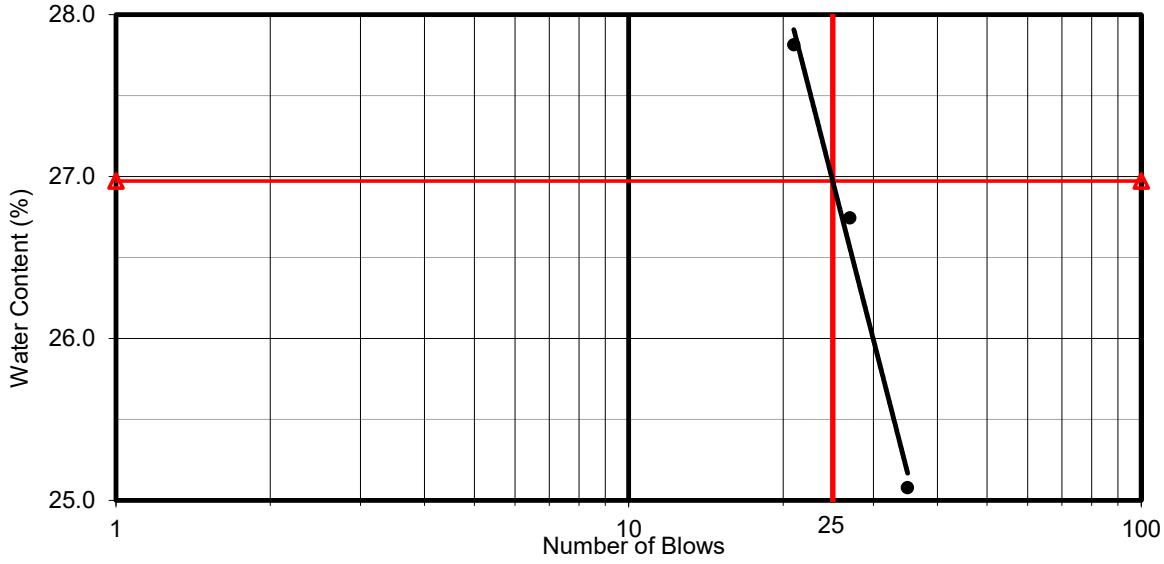
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 14, 2022**
Technician:	**HAB**
Lab Number:	**G437**
Borehole:	**SRK22-TSF-BH11**
Sample Number:	**167704**
Depth of Sample:	**4.6m - 4.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7	10	r24a			X	28	38	
NUMBER OF BLOWS	21	27	35			X	X	X	X
MASS WET SOIL + TARE (g)	17.44	19.28	19.35			933.36	33.04	33.67	
MASS DRY SOIL + TARE (g)	15.19	16.71	16.91			842.48	31.50	32.12	
MASS OF WATER (g)	2.25	2.57	2.44			90.88	1.54	1.55	
MASS OF CONTAINER (g)	7.10	7.10	7.18			383.64	20.49	21.45	
MASS OF DRY SOIL (g)	8.09	9.61	9.73			458.84	11.01	10.67	
WATER CONTENT W (%)	27.8	26.7	25.1			19.8	14.0	14.5	

LIQUID LIMIT (%)	**27.0**
PLASTIC LIMIT (%)	**14.3**
PLASTICITY INDEX (%)	**12.7**
W NATURAL (%)	**19.8**
LIQUIDITY INDEX	**0.44**



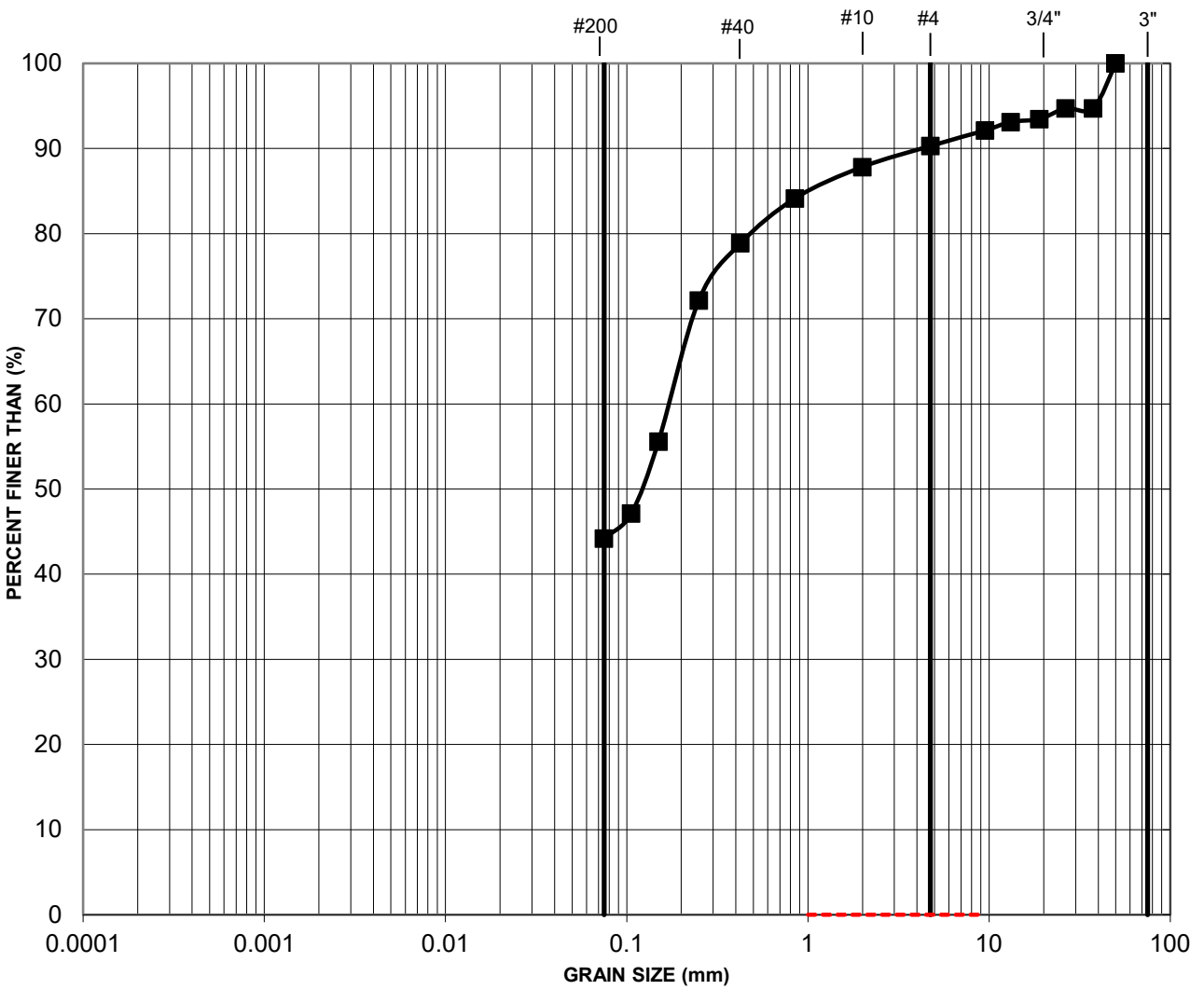
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH11	167706	7.3m - 7.6m

Project No./Phase/Task: 21473972-13000

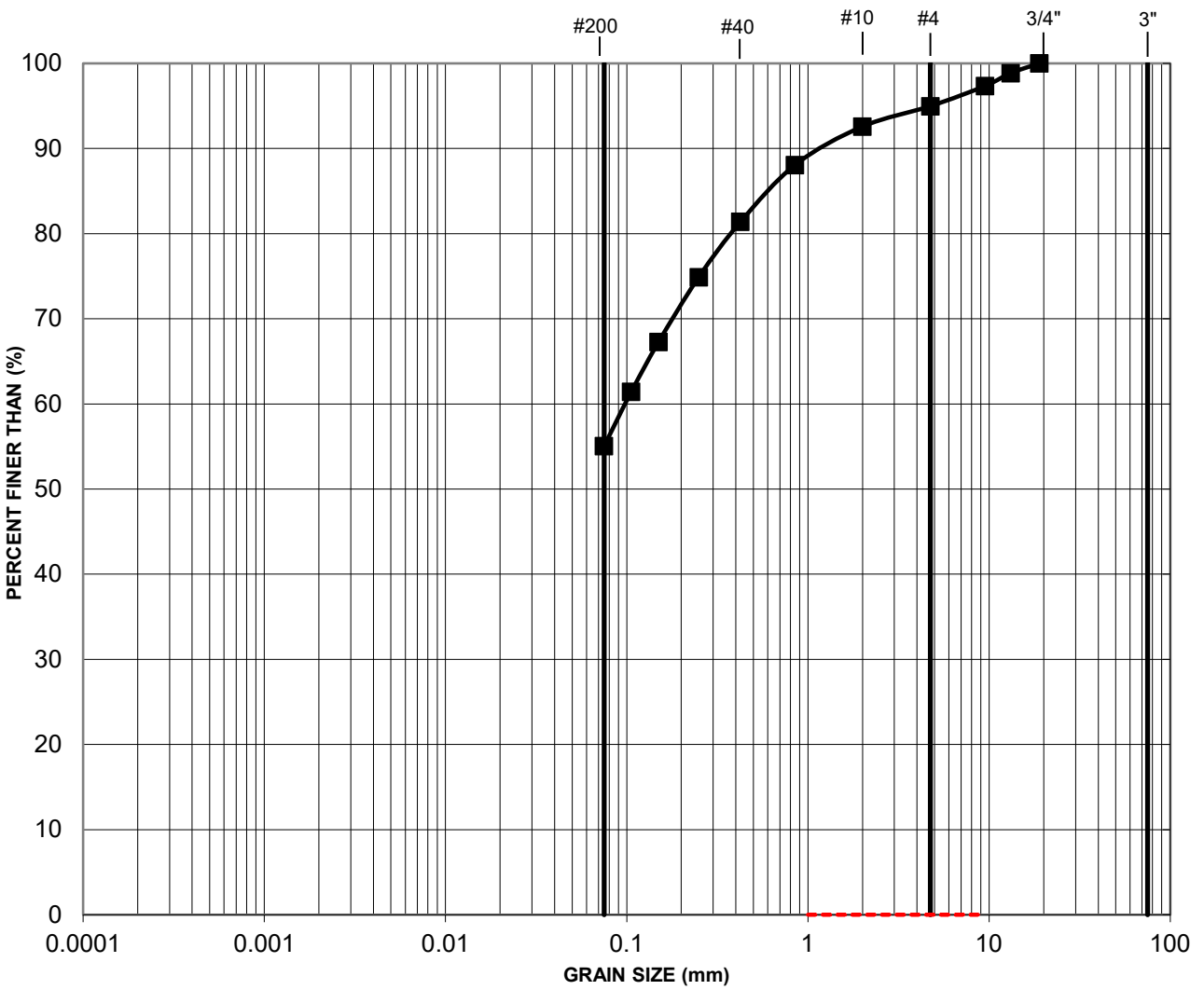
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH11	167716	33.5m - 33.8m

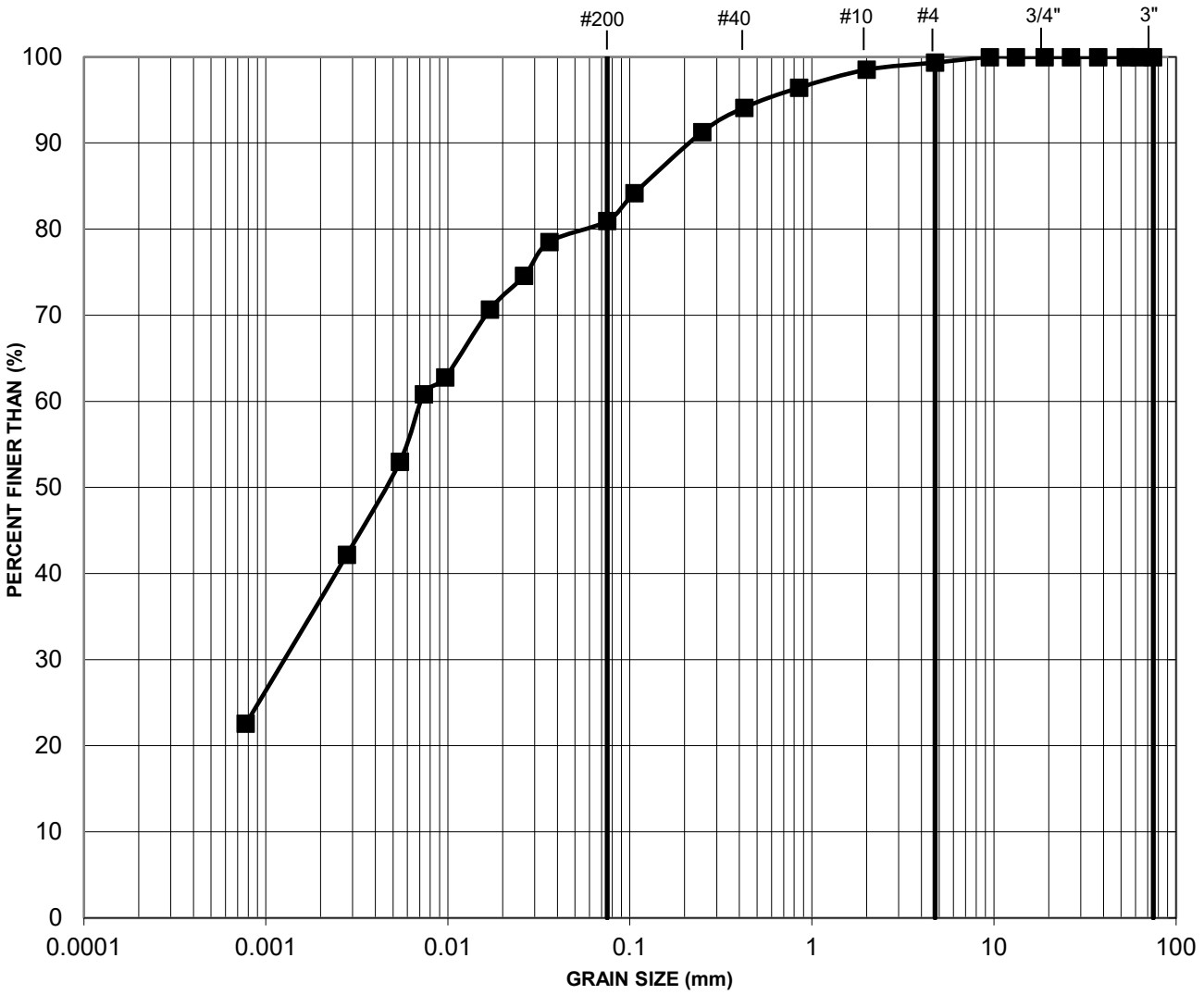
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH23	167305	5.5m - 5.7m

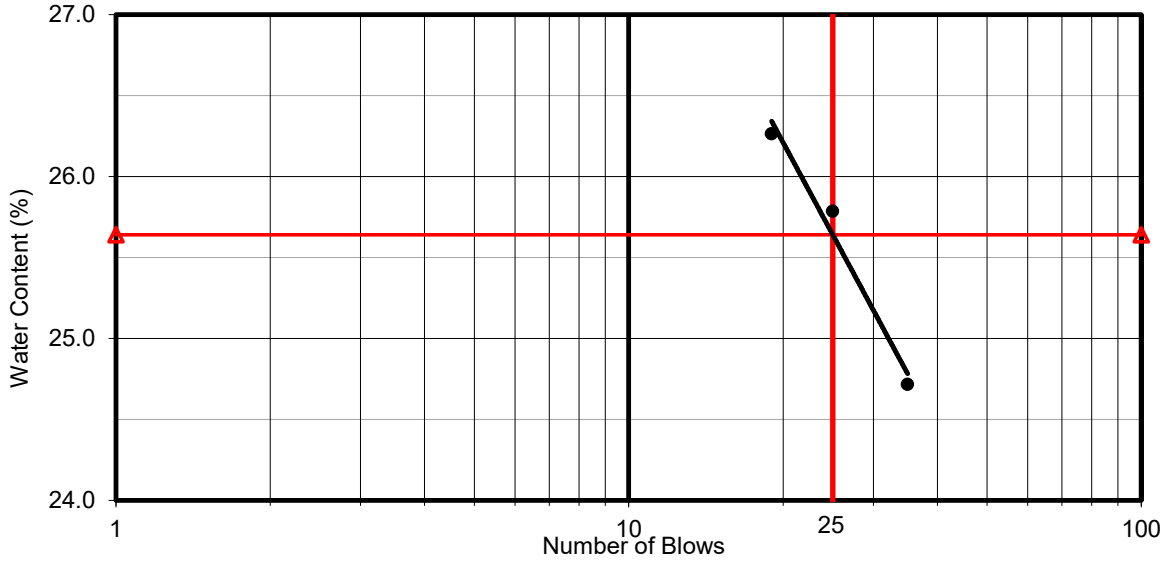
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 14, 2022**
Technician:	**HAB**
Lab Number:	**G440**
Borehole:	**SRK22-TSF-BH23**
Sample Number:	**167305**
Depth of Sample:	**5.5m - 5.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	2m	4m			**X**	14	81	
NUMBER OF BLOWS	25	35	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	20.04	18.24	18.54			834.98	32.88	33.56	
MASS DRY SOIL + TARE (g)	17.41	16.06	16.20			745.94	31.35	31.99	
MASS OF WATER (g)	2.63	2.18	2.34			89.04	1.53	1.57	
MASS OF CONTAINER (g)	7.21	7.24	7.29			316.51	20.97	21.65	
MASS OF DRY SOIL (g)	10.20	8.82	8.91			429.43	10.38	10.34	
WATER CONTENT W (%)	25.8	24.7	26.3			20.7	14.7	15.2	

LIQUID LIMIT (%)	**25.6**
PLASTIC LIMIT (%)	**15.0**
PLASTICITY INDEX (%)	**10.7**
W NATURAL (%)	**20.7**
LIQUIDITY INDEX	**0.54**

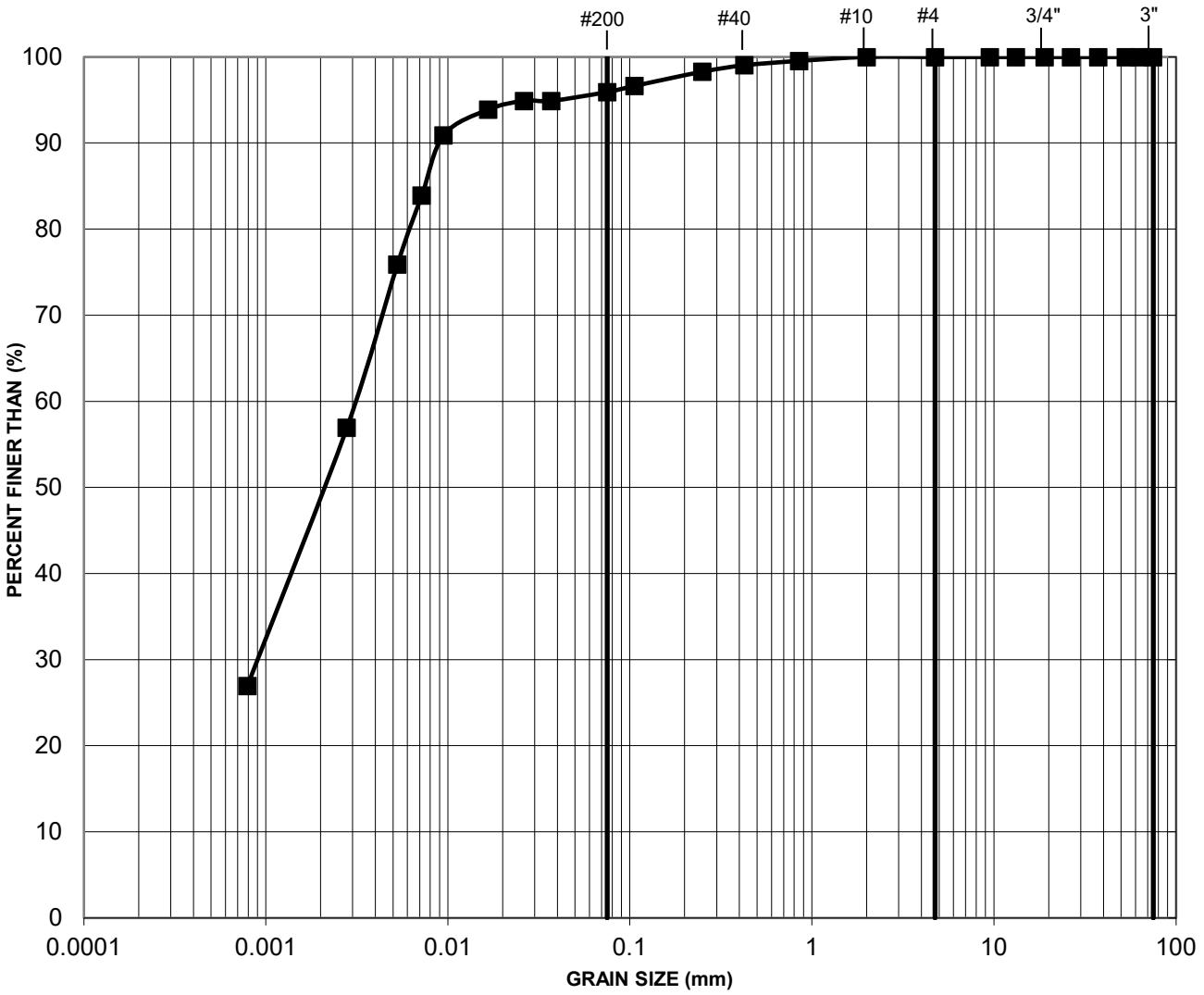


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH23	167307	8.2m - 8.4m

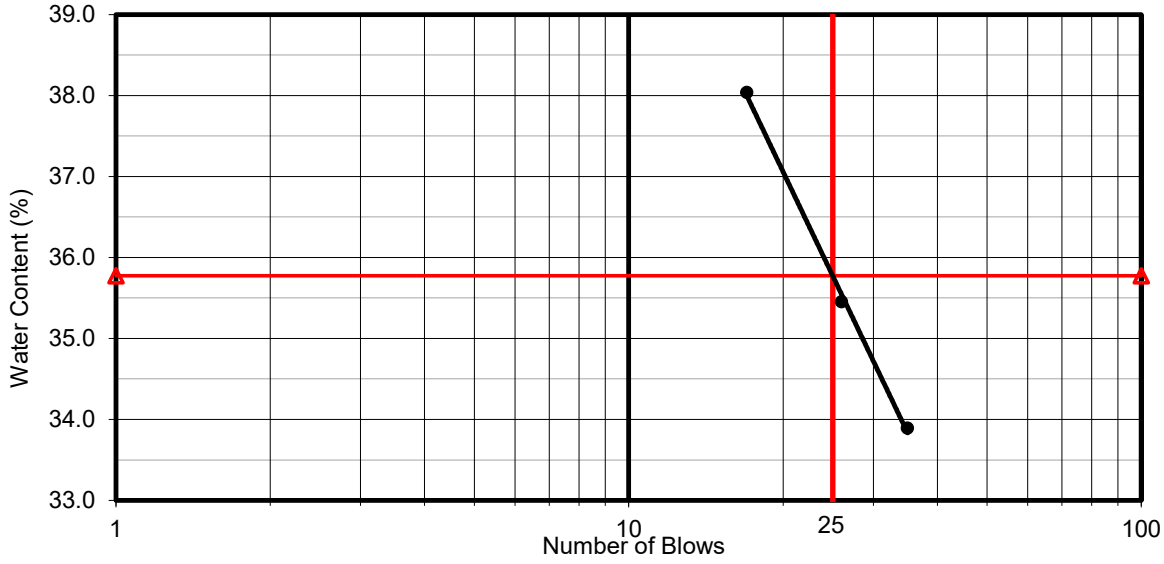
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G441**
Borehole:	**SRK22-TSF-BH23**
Sample Number:	**167307**
Depth of Sample:	**8.2m - 8.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5	8	69			**X**	T	MR29	
NUMBER OF BLOWS	35	26	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.66	17.46	18.46			677.62	24.79	25.54	
MASS DRY SOIL + TARE (g)	15.02	14.78	15.36			598.39	22.91	23.70	
MASS OF WATER (g)	2.64	2.68	3.10			79.23	1.88	1.84	
MASS OF CONTAINER (g)	7.23	7.22	7.21			304.95	13.45	14.24	
MASS OF DRY SOIL (g)	7.79	7.56	8.15			293.44	9.46	9.46	
WATER CONTENT W (%)	33.9	35.4	38.0			27.0	19.9	19.5	

LIQUID LIMIT (%)	**35.8**
PLASTIC LIMIT (%)	**19.7**
PLASTICITY INDEX (%)	**16.1**
W NATURAL (%)	**27.0**
LIQUIDITY INDEX	**0.46**

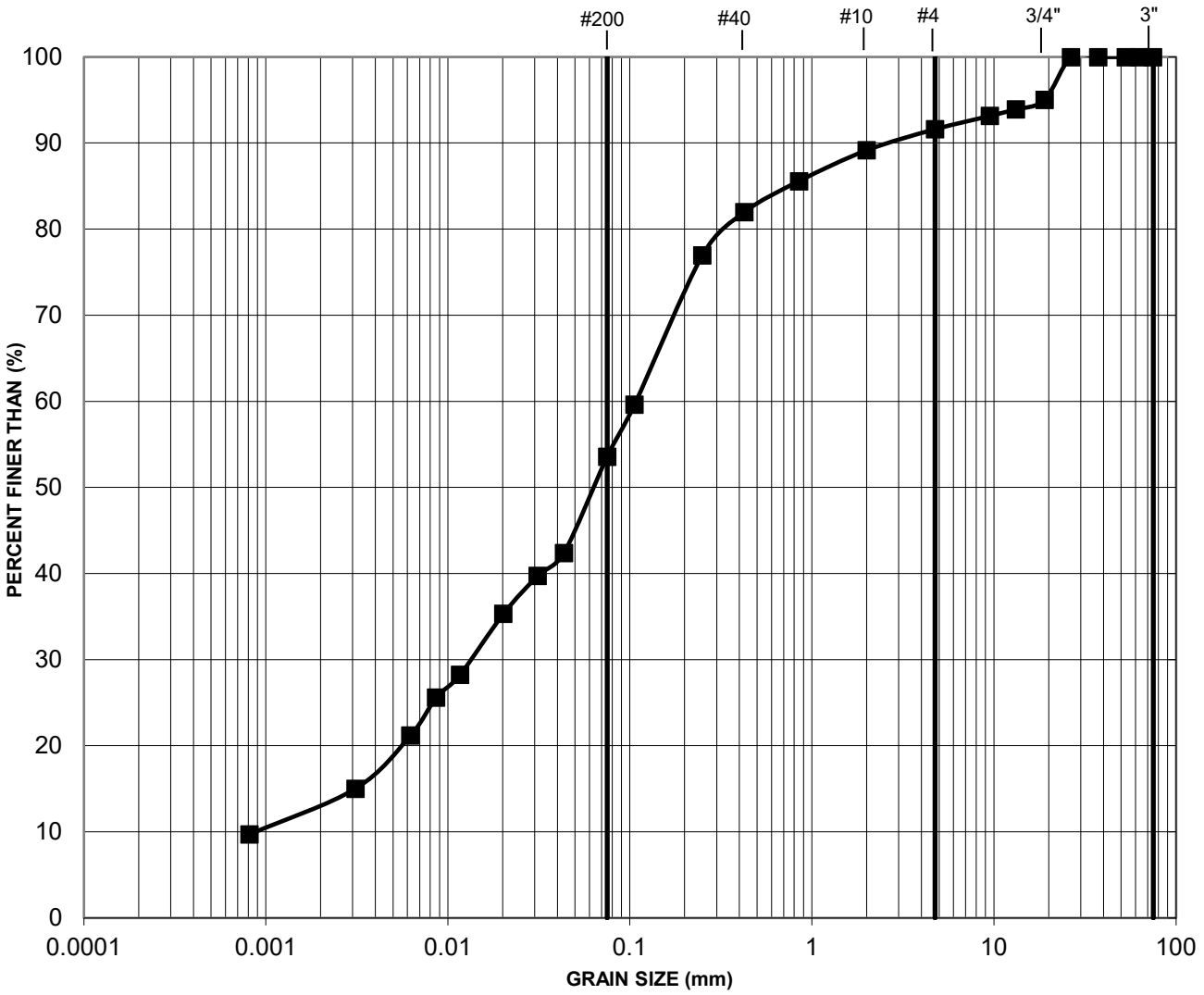


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH23	167308	10.4m - 10.7m

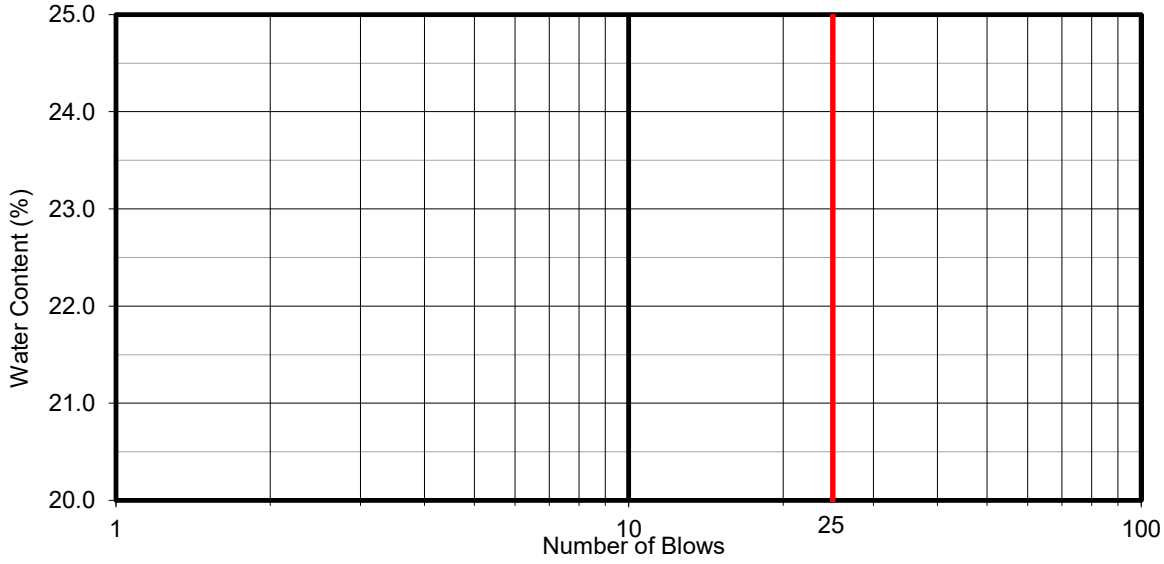
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**EG**
Lab Number:	**G442**
Borehole:	**SRK22-TSF-BH23**
Sample Number:	**167308**
Depth of Sample:	**10.4m - 10.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1008.48			
MASS DRY SOIL + TARE (g)						954.70			
MASS OF WATER (g)						53.78			
MASS OF CONTAINER (g)						311.31			
MASS OF DRY SOIL (g)						643.39			
WATER CONTENT W (%)						8.4			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

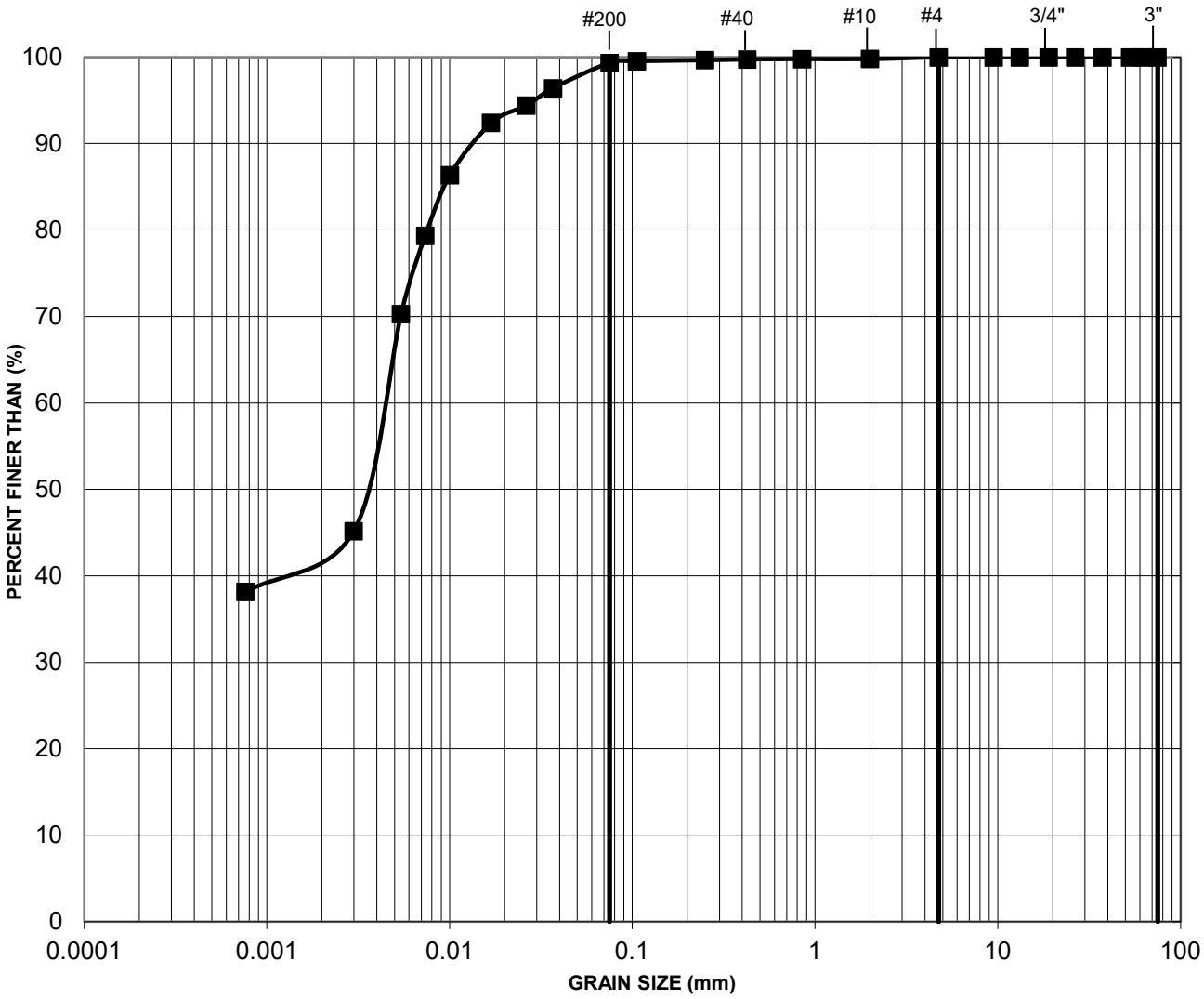


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH23	167311	19.5m - 19.8m

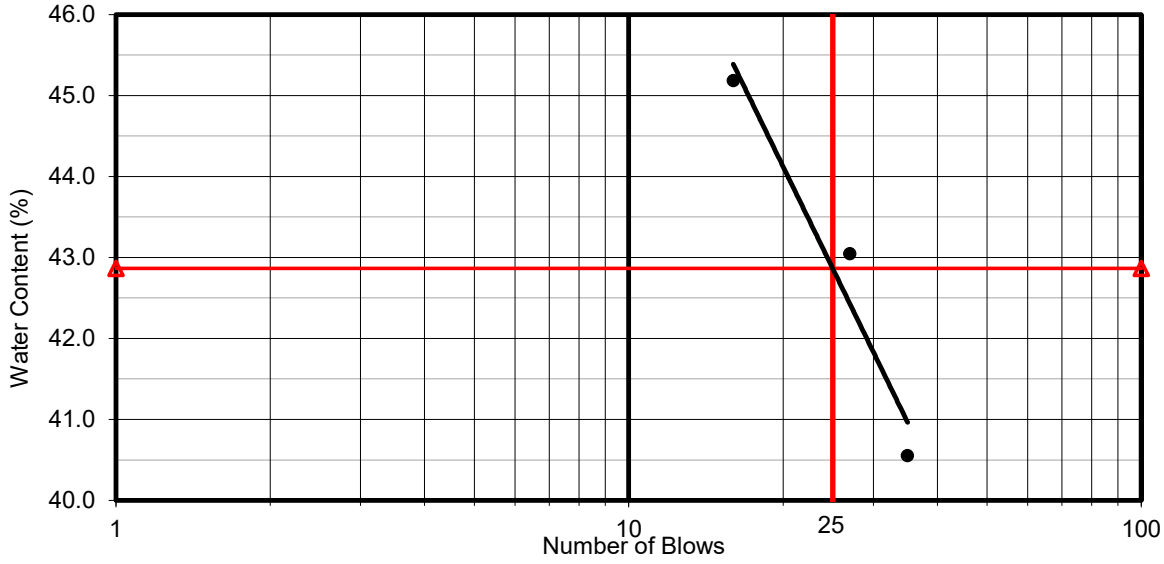
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G443**
Borehole:	**SRK22-TSF-BH23**
Sample Number:	**167311**
Depth of Sample:	**19.5m - 19.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	53	89	401			X	8m	R22	
NUMBER OF BLOWS	35	27	16			X	X	X	X
MASS WET SOIL + TARE (g)	21.70	23.05	22.63			716.29	24.79	25.74	
MASS DRY SOIL + TARE (g)	18.61	19.40	19.02			635.86	22.65	23.59	
MASS OF WATER (g)	3.09	3.65	3.61			80.43	2.14	2.15	
MASS OF CONTAINER (g)	10.99	10.92	11.03			312.96	13.89	14.41	
MASS OF DRY SOIL (g)	7.62	8.48	7.99			322.90	8.76	9.18	
WATER CONTENT W (%)	40.6	43.0	45.2			24.9	24.4	23.4	

LIQUID LIMIT (%)	**42.9**
PLASTIC LIMIT (%)	**23.9**
PLASTICITY INDEX (%)	**18.9**
W NATURAL (%)	**24.9**
LIQUIDITY INDEX	**0.05**



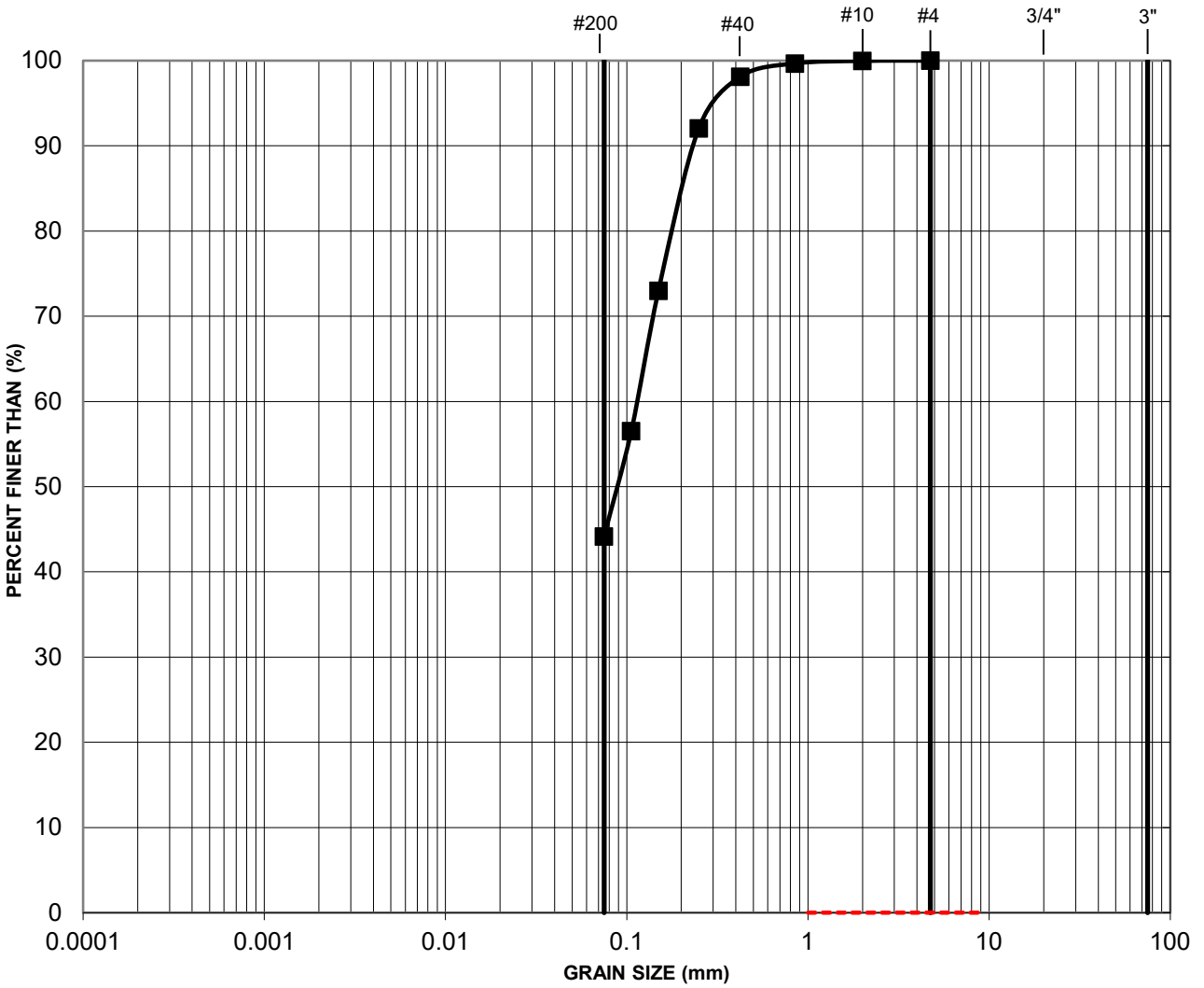
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



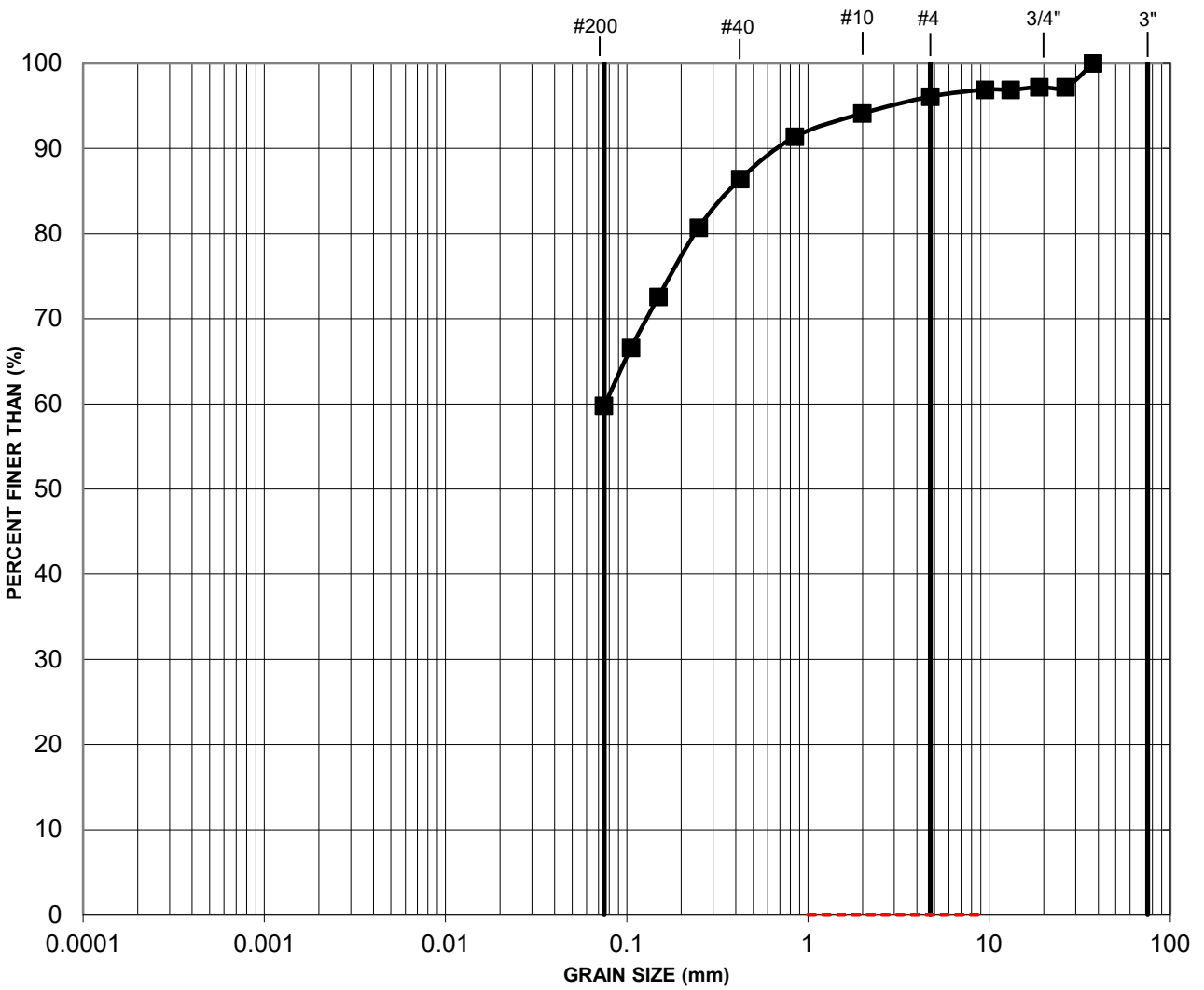
BH / Location	Sample	Depth
SRK22-TSF-BH23	167313	21.3m - 21.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH23	167318	27.4m - 27.7m

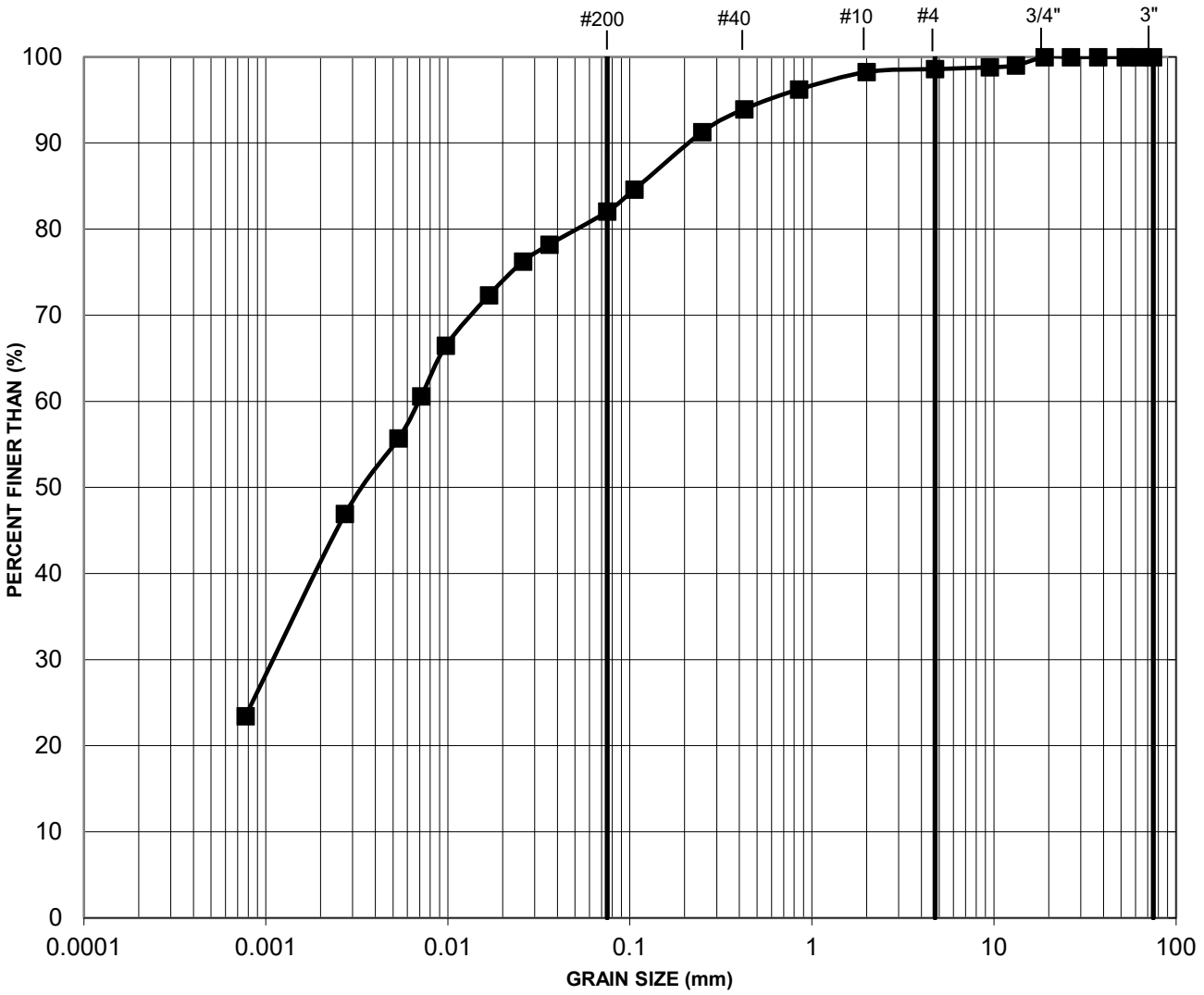
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH06	167324	5.2m - 5.5m

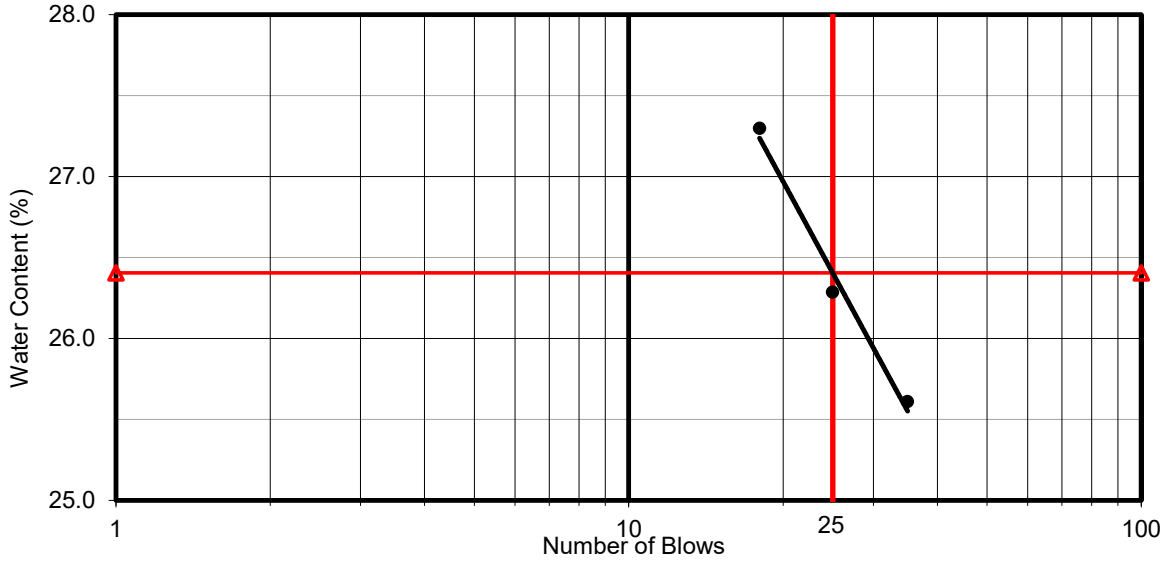
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**EG**
Lab Number:	**G446**
Borehole:	**SRK22-TSF-BH06**
Sample Number:	**167324**
Depth of Sample:	**5.2m - 5.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7I	2	1			**X**	32	55	
NUMBER OF BLOWS	35	25	18			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	20.70	24.18	25.65			811.37	33.09	33.70	
MASS DRY SOIL + TARE (g)	17.97	20.65	21.67			723.50	31.64	32.23	
MASS OF WATER (g)	2.73	3.53	3.98			87.87	1.45	1.47	
MASS OF CONTAINER (g)	7.31	7.22	7.09			314.34	20.65	21.35	
MASS OF DRY SOIL (g)	10.66	13.43	14.58			409.16	10.99	10.88	
WATER CONTENT W (%)	25.6	26.3	27.3			21.5	13.2	13.5	

LIQUID LIMIT (%)	**26.4**
PLASTIC LIMIT (%)	**13.4**
PLASTICITY INDEX (%)	**13.1**
W NATURAL (%)	**21.5**
LIQUIDITY INDEX	**0.62**

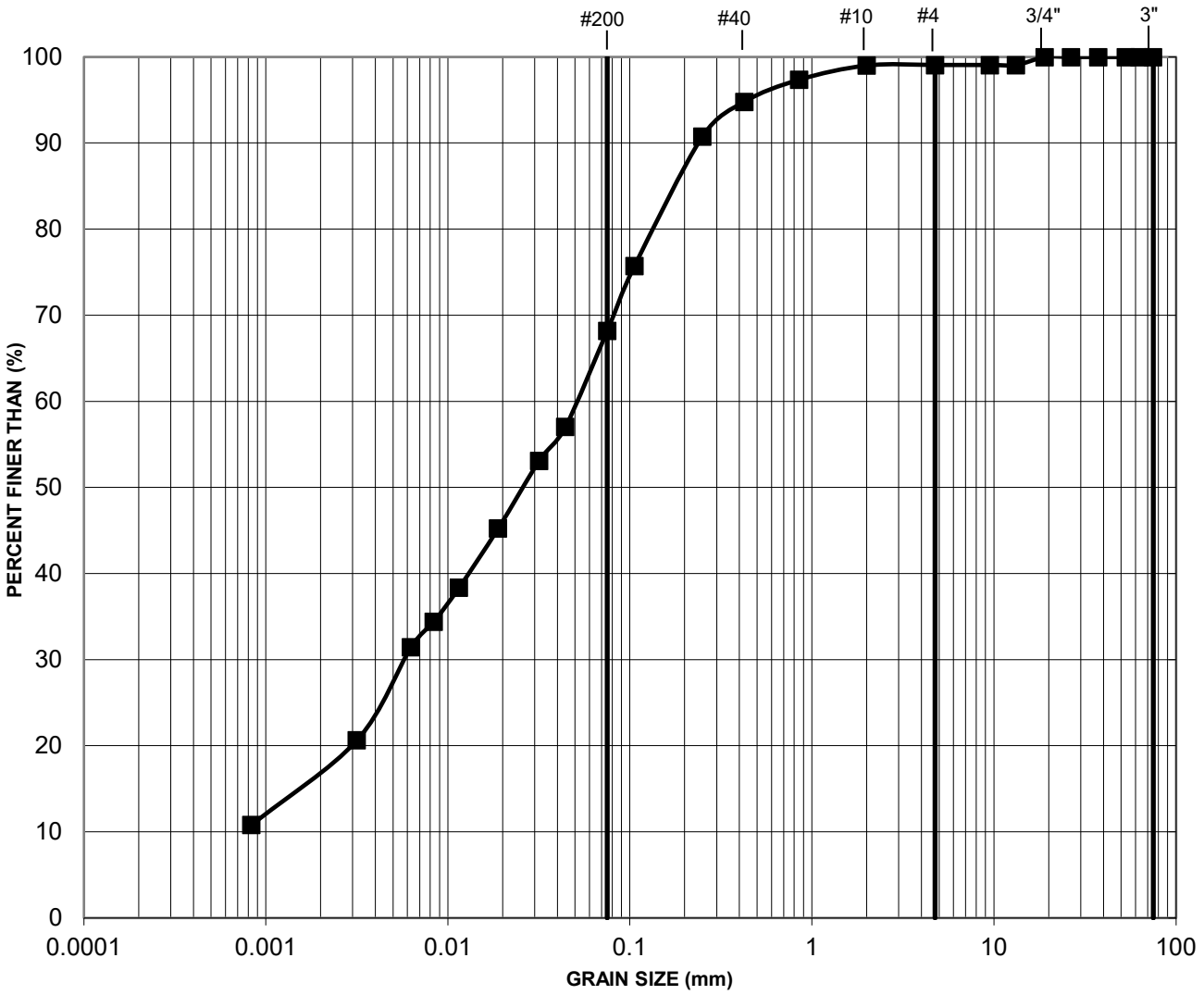


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH06	167327	10.7m - 11m

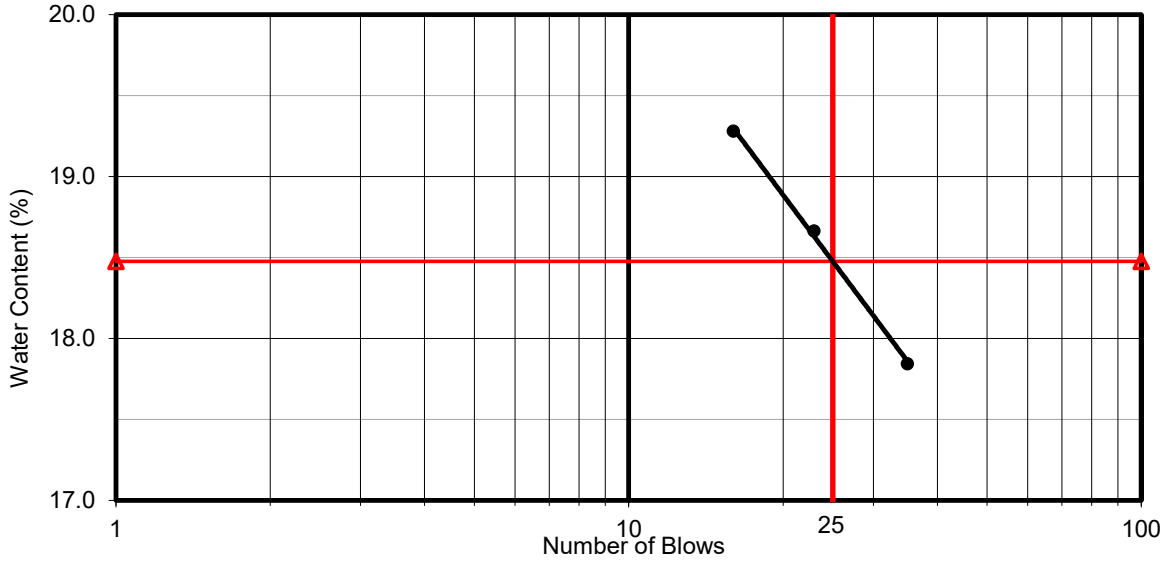
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G447**
Borehole:	**SRK22-TSF-BH06**
Sample Number:	**167327**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	53	67	70			X	83	91	
NUMBER OF BLOWS	16	35	23			X	X	X	X
MASS WET SOIL + TARE (g)	22.24	22.00	22.87			832.64	33.66	34.17	
MASS DRY SOIL + TARE (g)	20.42	20.33	21.00			788.66	32.07	32.62	
MASS OF WATER (g)	1.82	1.67	1.87			43.98	1.59	1.55	
MASS OF CONTAINER (g)	10.98	10.97	10.98			312.19	21.08	21.58	
MASS OF DRY SOIL (g)	9.44	9.36	10.02			476.47	10.99	11.04	
WATER CONTENT W (%)	19.3	17.8	18.7			9.2	14.5	14.0	

LIQUID LIMIT (%)	**18.5**
PLASTIC LIMIT (%)	**14.3**
PLASTICITY INDEX (%)	**4.2**
W NATURAL (%)	**9.2**
LIQUIDITY INDEX	**-1.19**

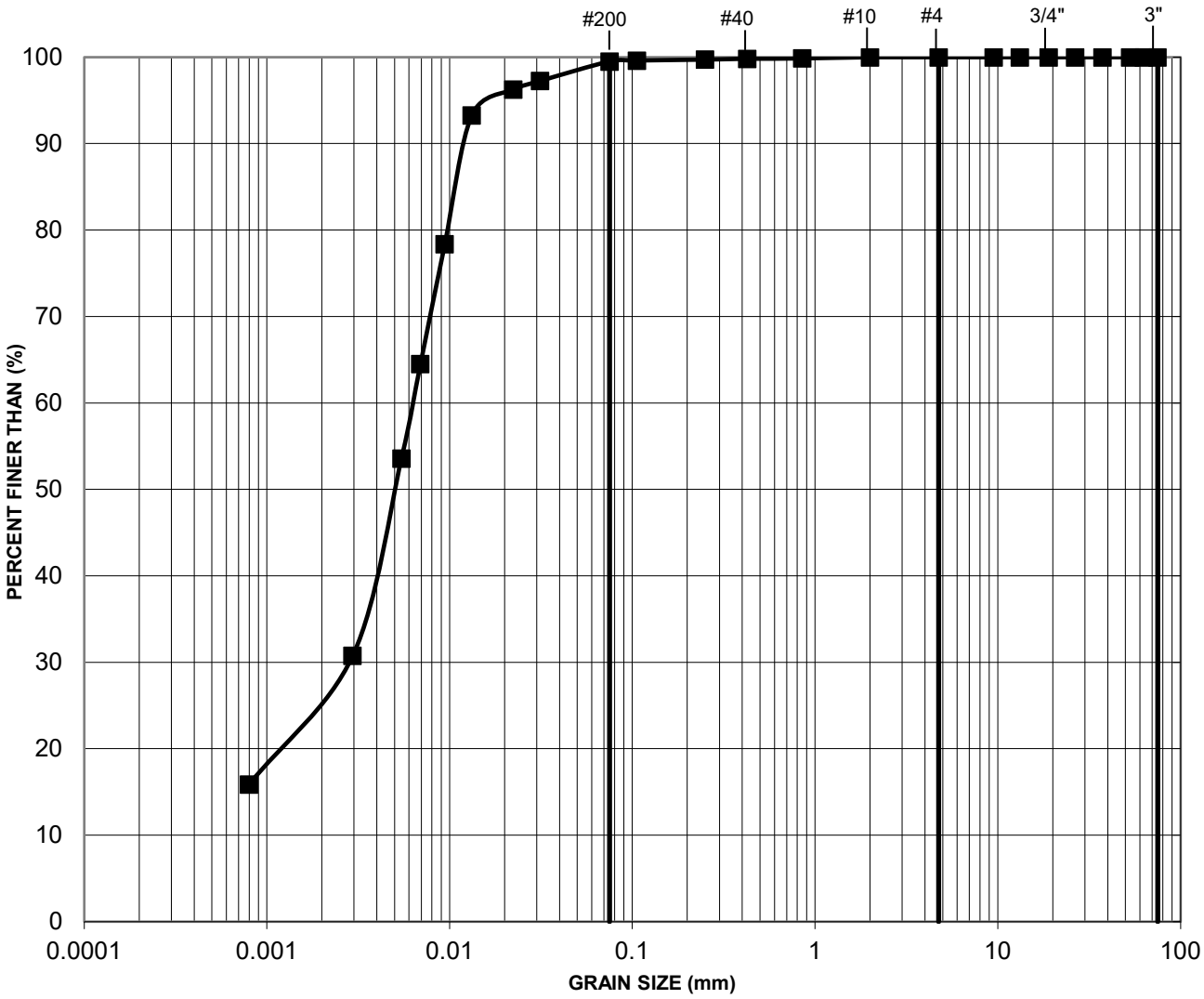


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH06	167331	19.8m - 20.1m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G448**
Borehole:	**SRK22-TSF-BH06**
Sample Number:	**167331**
Depth of Sample:	**19.8m - 20.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	33	67	70			X	4m	7m	
NUMBER OF BLOWS	24	35	19			X	X	X	X
MASS WET SOIL + TARE (g)	22.84	21.67	21.13			514.08	25.97	26.06	
MASS DRY SOIL + TARE (g)	20.46	19.59	19.03			469.84	23.99	24.07	
MASS OF WATER (g)	2.38	2.08	2.10			44.24	1.98	1.99	
MASS OF CONTAINER (g)	11.06	10.97	10.99			238.86	13.70	13.56	
MASS OF DRY SOIL (g)	9.40	8.62	8.04			230.98	10.29	10.51	
WATER CONTENT W (%)	25.3	24.1	26.1			19.2	19.2	18.9	

LIQUID LIMIT (%)	**25.2**
PLASTIC LIMIT (%)	**19.1**
PLASTICITY INDEX (%)	**6.1**
W NATURAL (%)	**19.2**
LIQUIDITY INDEX	**0.01**



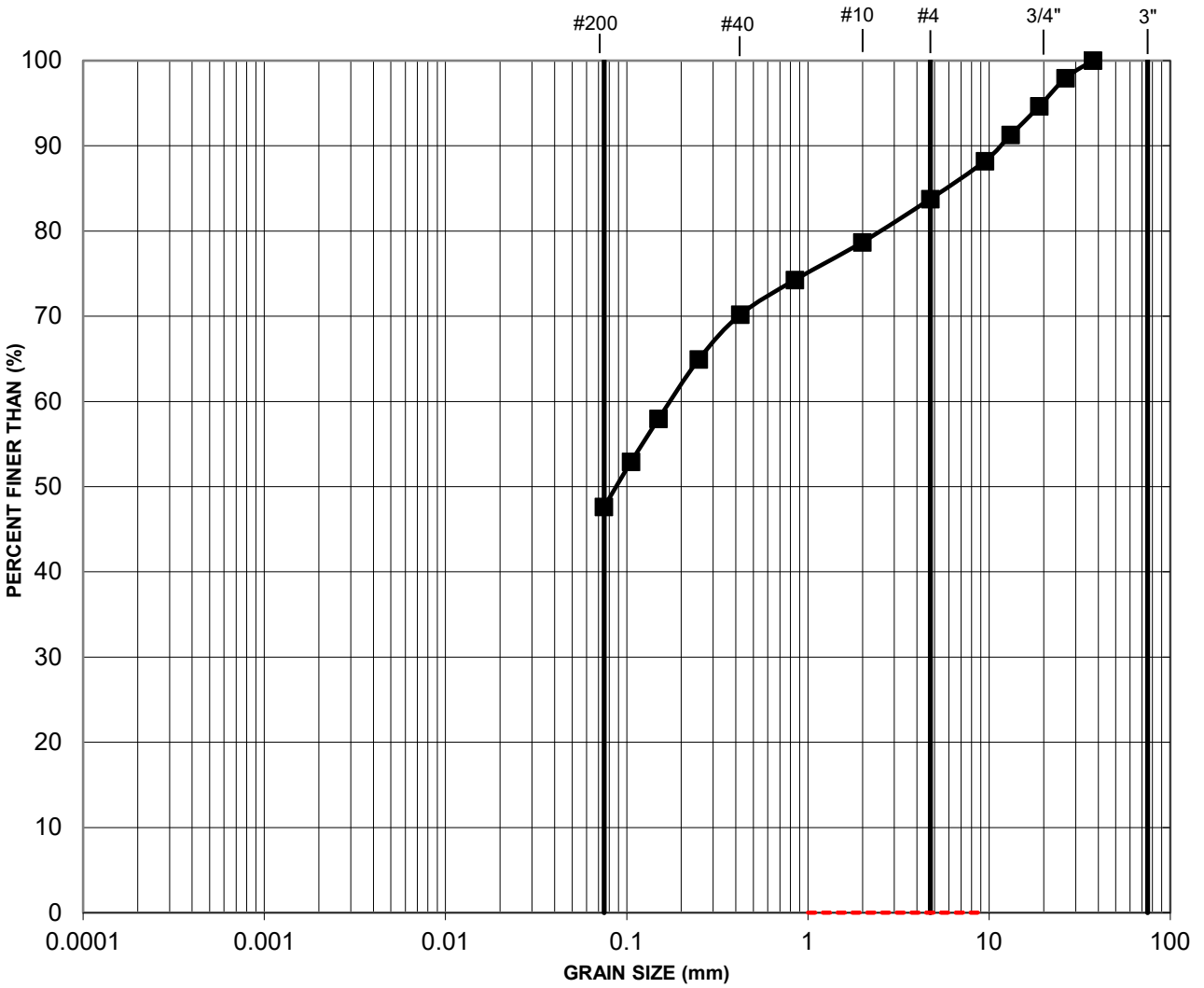
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE

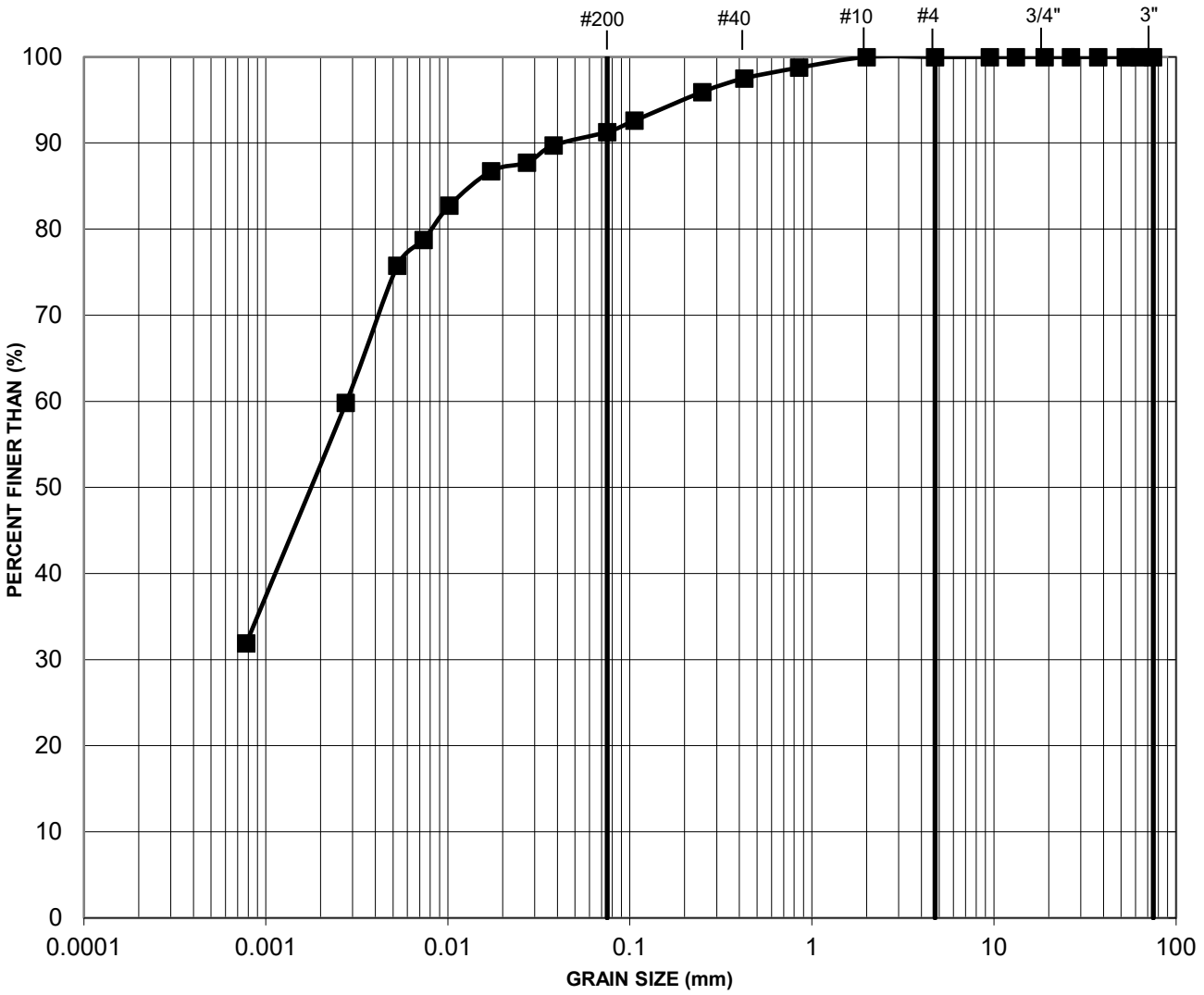


BH / Location	Sample	Depth
SRK22-TSF-BH06	167335	29.6m - 29.9m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH28	168222	7m - 7.3m

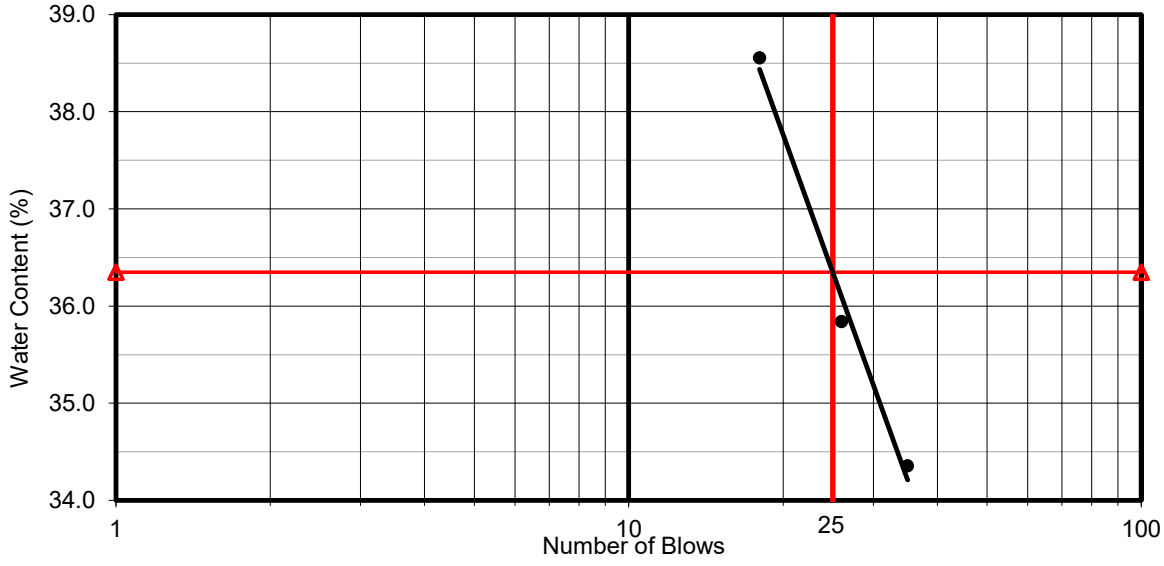
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G450**
Borehole:	**SRK22-TSF-BH28**
Sample Number:	**168222**
Depth of Sample:	**7m - 7.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	28	32	76			X	MR04	R8	
NUMBER OF BLOWS	35	26	18			X	X	X	X
MASS WET SOIL + TARE (g)	22.88	22.69	21.59			535.94	25.22	25.28	
MASS DRY SOIL + TARE (g)	19.85	19.59	18.66			461.37	23.46	23.48	
MASS OF WATER (g)	3.03	3.10	2.93			74.57	1.76	1.80	
MASS OF CONTAINER (g)	11.03	10.94	11.06			239.17	14.05	13.73	
MASS OF DRY SOIL (g)	8.82	8.65	7.60			222.20	9.41	9.75	
WATER CONTENT W (%)	34.4	35.8	38.6			33.6	18.7	18.5	

LIQUID LIMIT (%)	**36.3**
PLASTIC LIMIT (%)	**18.6**
PLASTICITY INDEX (%)	**17.8**
W NATURAL (%)	**33.6**
LIQUIDITY INDEX	**0.84**

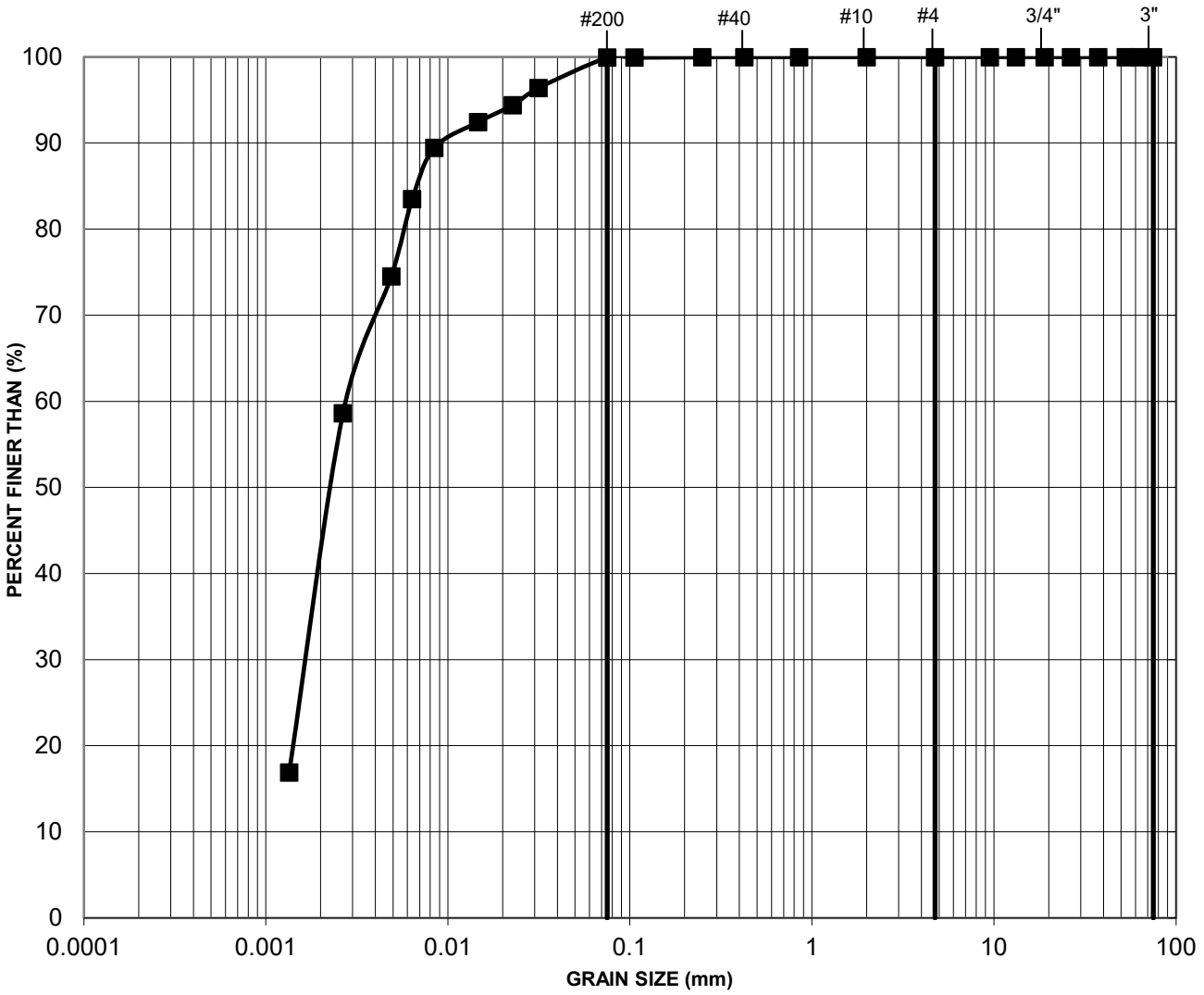


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH28	168226	15.5m - 15.8m

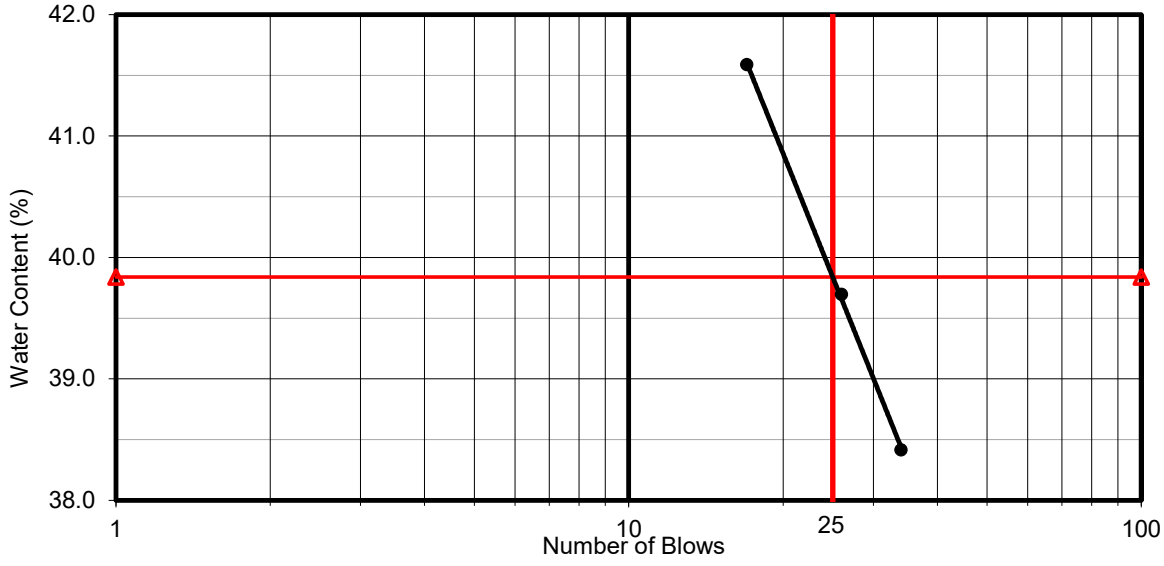
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G451**
Borehole:	**SRK22-TSF-BH28**
Sample Number:	**168226**
Depth of Sample:	**15.5m - 15.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2	R5	R20			**X**	55	63	
NUMBER OF BLOWS	34	26	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.39	17.33	17.60			540.64	33.04	32.90	
MASS DRY SOIL + TARE (g)	15.29	14.48	14.56			469.35	31.08	30.95	
MASS OF WATER (g)	3.10	2.85	3.04			71.29	1.96	1.95	
MASS OF CONTAINER (g)	7.22	7.30	7.25			238.90	21.35	21.33	
MASS OF DRY SOIL (g)	8.07	7.18	7.31			230.45	9.73	9.62	
WATER CONTENT W (%)	38.4	39.7	41.6			30.9	20.1	20.3	

LIQUID LIMIT (%)	**39.8**
PLASTIC LIMIT (%)	**20.2**
PLASTICITY INDEX (%)	**19.6**
W NATURAL (%)	**30.9**
LIQUIDITY INDEX	**0.55**

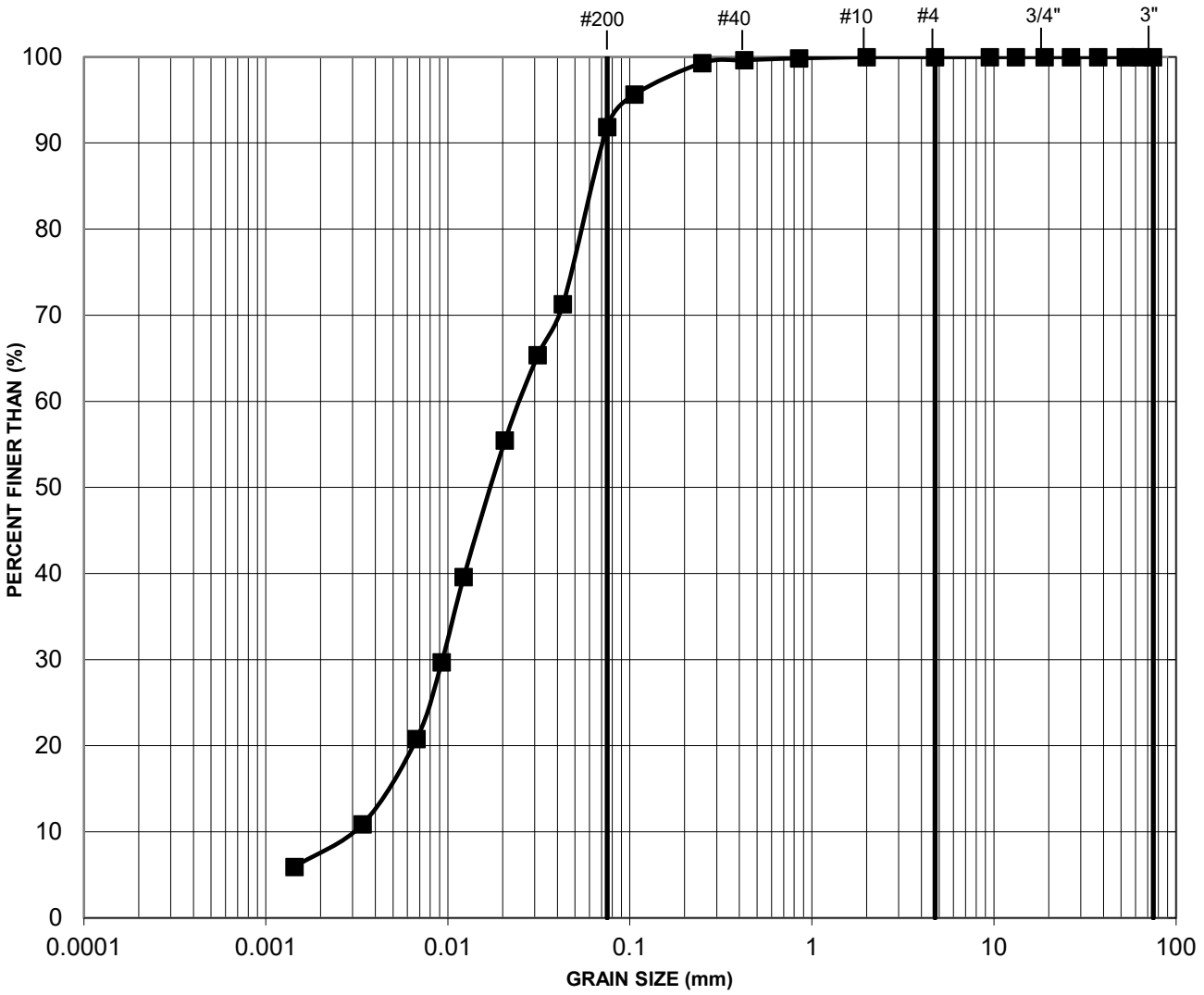


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH28	168228	27.7m - 28m

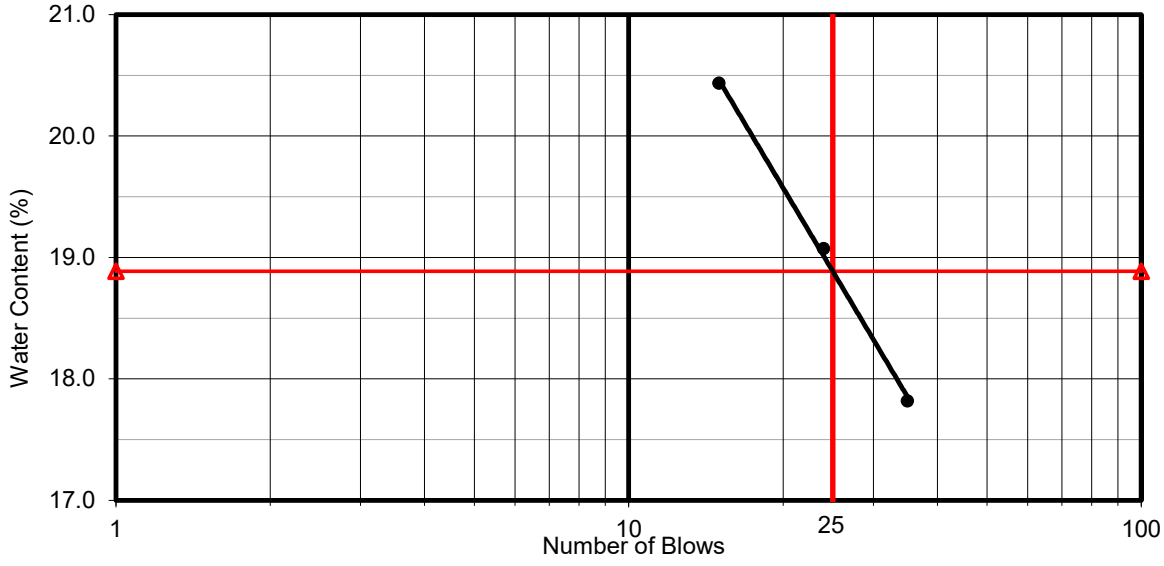
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G452**
Borehole:	**SRK22-TSF-BH28**
Sample Number:	**168228**
Depth of Sample:	**27.7m - 28m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7L	7	10			**X**	R1	10m	
NUMBER OF BLOWS	15	24	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.87	18.40	21.77			528.50	26.44	26.69	
MASS DRY SOIL + TARE (g)	16.08	16.59	19.55			479.67	24.58	24.86	
MASS OF WATER (g)	1.79	1.81	2.22			48.83	1.86	1.83	
MASS OF CONTAINER (g)	7.32	7.10	7.09			239.57	13.86	13.85	
MASS OF DRY SOIL (g)	8.76	9.49	12.46			240.10	10.72	11.01	
WATER CONTENT W (%)	20.4	19.1	17.8			20.3	17.4	16.6	

LIQUID LIMIT (%)	**18.9**
PLASTIC LIMIT (%)	**17.0**
PLASTICITY INDEX (%)	**1.9**
W NATURAL (%)	**20.3**
LIQUIDITY INDEX	**1.76**

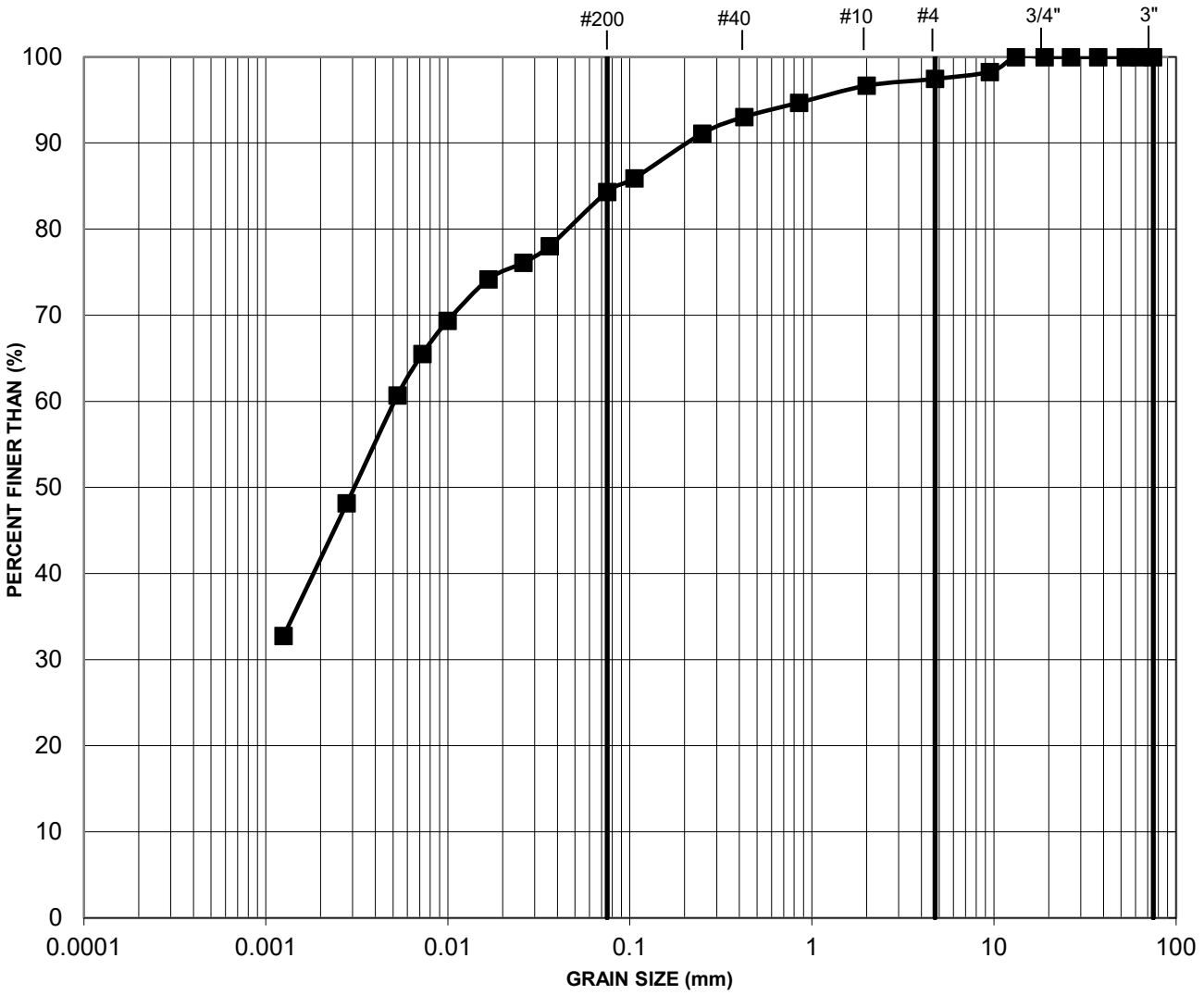


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH26	168235	7.3m - 7.6m

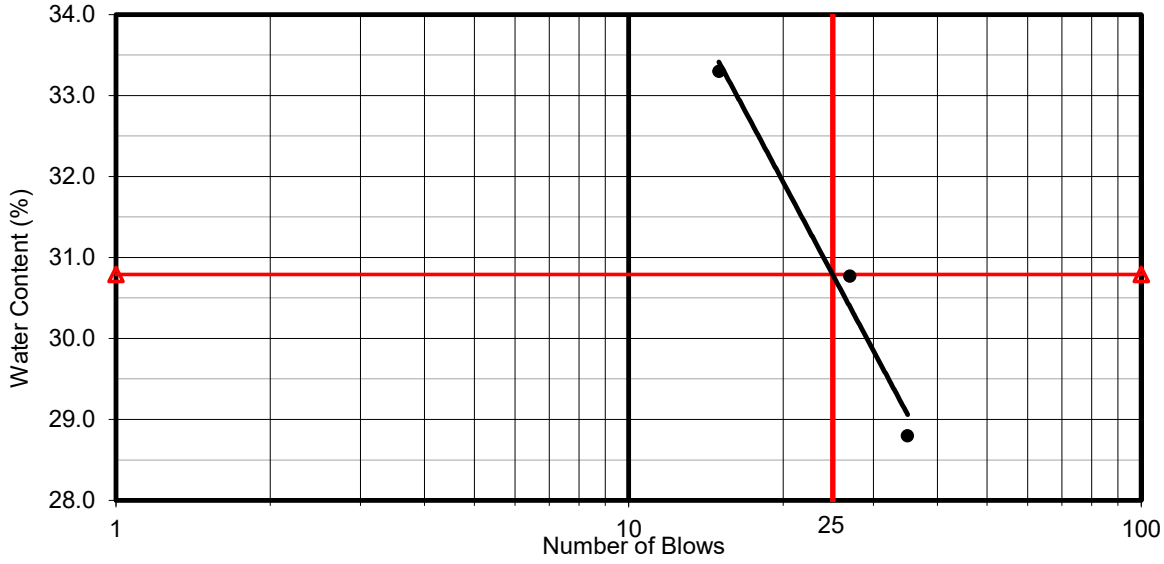
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G453**
Borehole:	**SRK22-TSF-BH26**
Sample Number:	**168235**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	20m	R24A			X	28	32	
NUMBER OF BLOWS	35	27	15			X	X	X	X
MASS WET SOIL + TARE (g)	17.82	17.78	19.55			568.24	32.25	32.25	
MASS DRY SOIL + TARE (g)	15.45	15.30	16.46			499.09	30.65	30.57	
MASS OF WATER (g)	2.37	2.48	3.09			69.15	1.60	1.68	
MASS OF CONTAINER (g)	7.22	7.24	7.18			242.84	20.99	20.65	
MASS OF DRY SOIL (g)	8.23	8.06	9.28			256.25	9.66	9.92	
WATER CONTENT W (%)	28.8	30.8	33.3			27.0	16.6	16.9	

LIQUID LIMIT (%)	**30.8**
PLASTIC LIMIT (%)	**16.7**
PLASTICITY INDEX (%)	**14.0**
W NATURAL (%)	**27.0**
LIQUIDITY INDEX	**0.73**

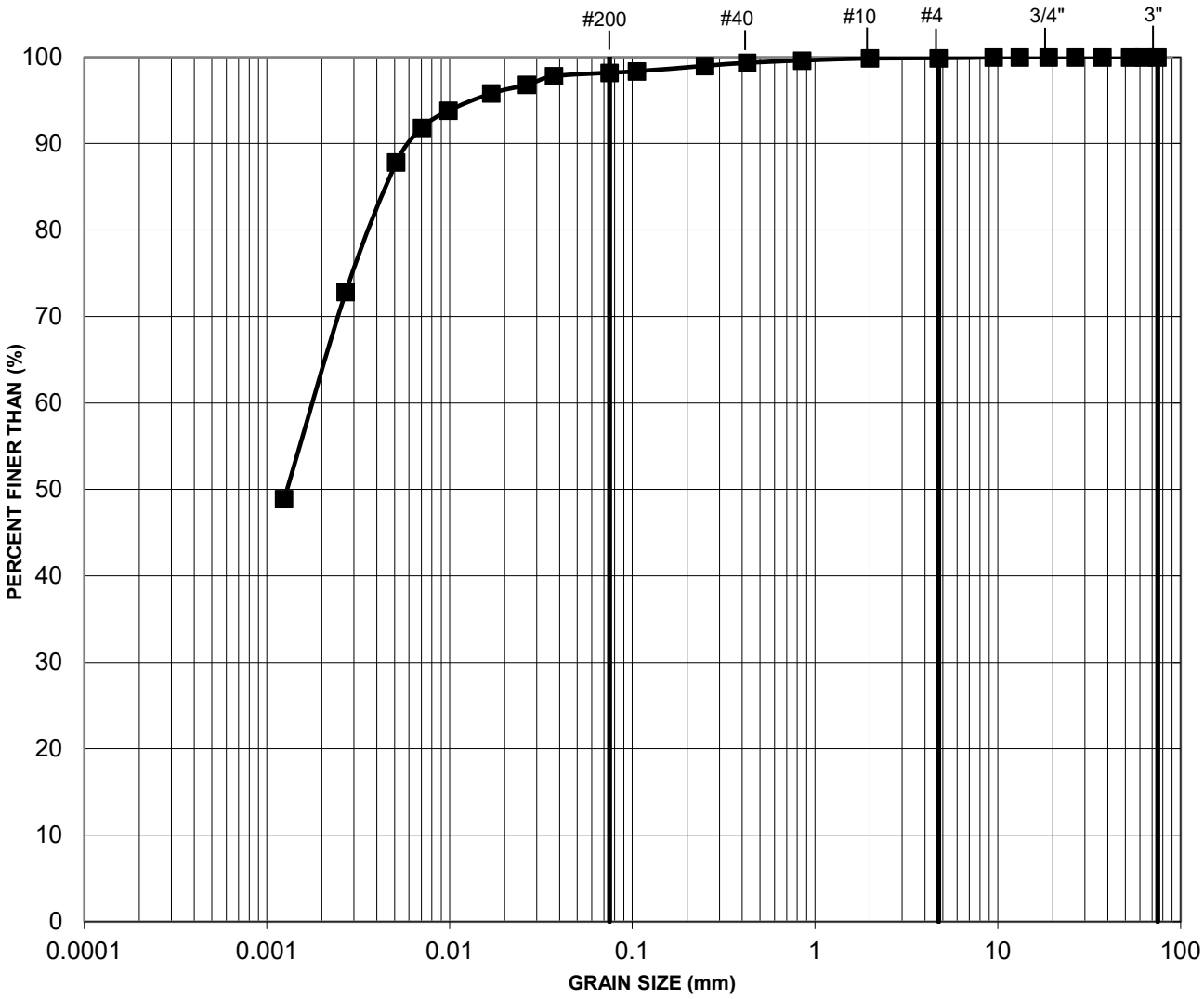


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH26	168237	10.7m - 11m

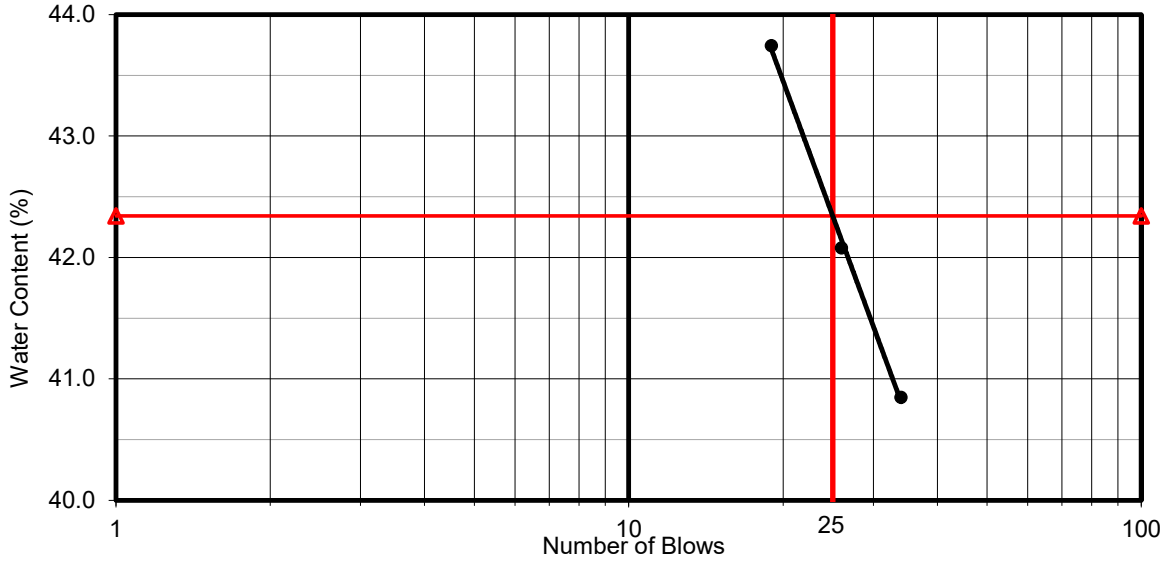
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G454**
Borehole:	**SRK22-TSF-BH26**
Sample Number:	**168237**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	14	49	91			X	u	1A	
NUMBER OF BLOWS	34	26	19			X	X	X	X
MASS WET SOIL + TARE (g)	21.45	21.76	21.48			507.26	26.15	26.35	
MASS DRY SOIL + TARE (g)	18.46	18.60	18.30			427.73	23.99	24.05	
MASS OF WATER (g)	2.99	3.16	3.18			79.53	2.16	2.30	
MASS OF CONTAINER (g)	11.14	11.09	11.03			241.87	14.10	13.92	
MASS OF DRY SOIL (g)	7.32	7.51	7.27			185.86	9.89	10.13	
WATER CONTENT W (%)	40.8	42.1	43.7			42.8	21.8	22.7	

LIQUID LIMIT (%)	**42.3**
PLASTIC LIMIT (%)	**22.3**
PLASTICITY INDEX (%)	**20.1**
W NATURAL (%)	**42.8**
LIQUIDITY INDEX	**1.02**

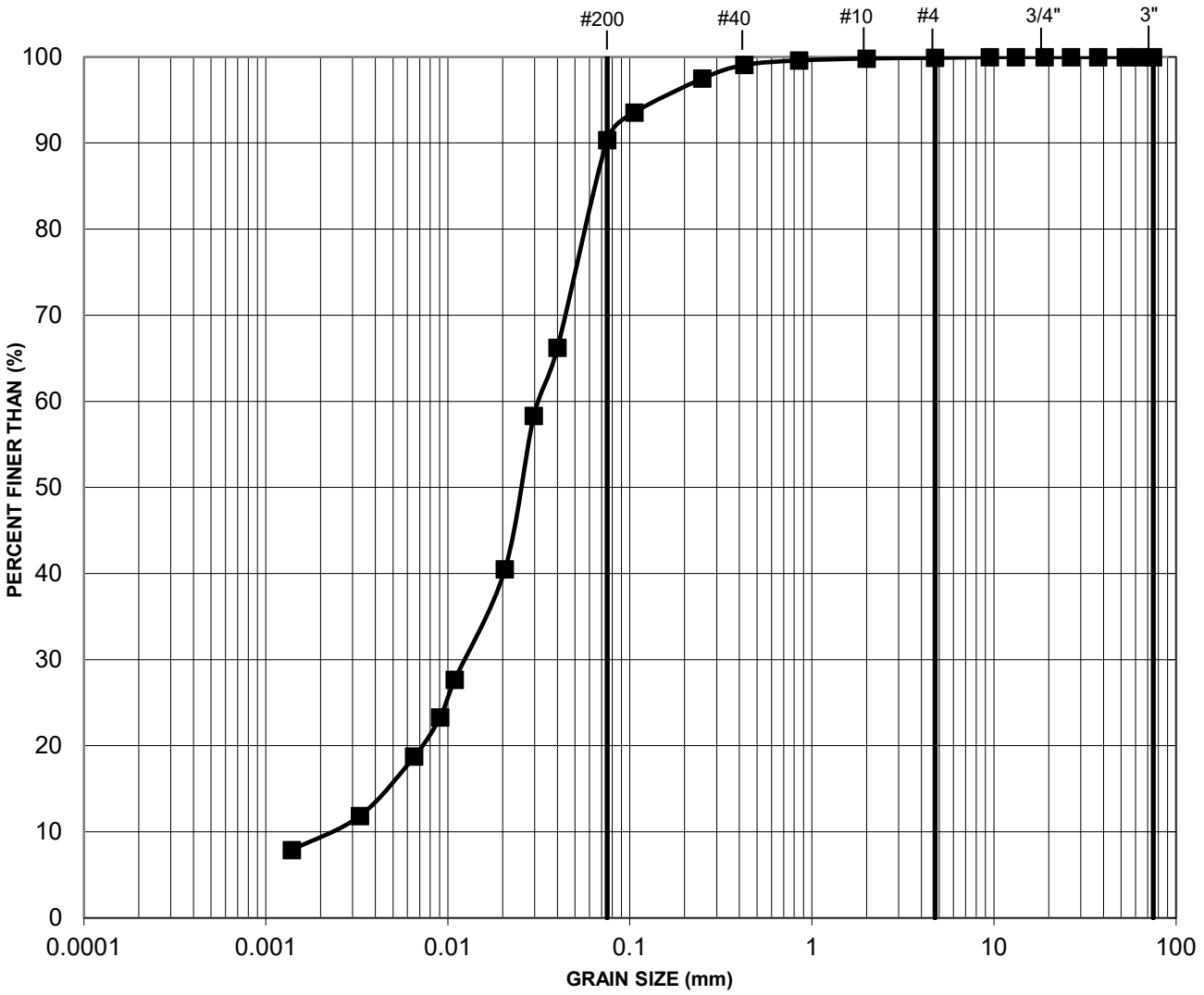


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH26	168239	15.2m - 15.5m

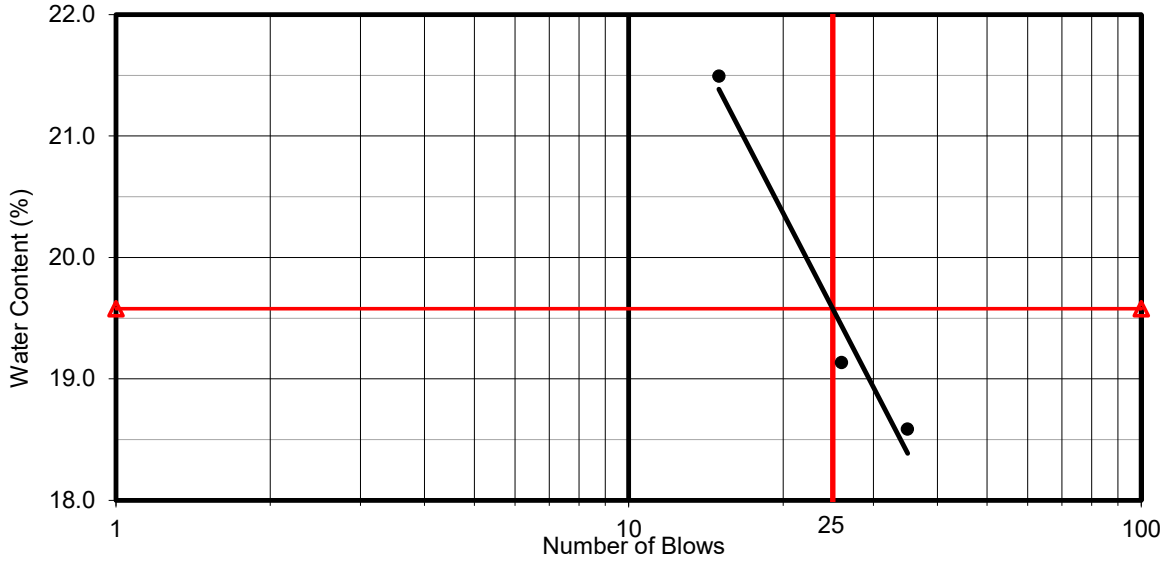
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G455**
Borehole:	**SRK22-TSF-BH26**
Sample Number:	**168239**
Depth of Sample:	**15.2m - 15.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	40	85	402			X	mr5	r9	
NUMBER OF BLOWS	15	35	26			X	X	X	X
MASS WET SOIL + TARE (g)	21.85	23.54	21.78			572.68	25.53	26.15	
MASS DRY SOIL + TARE (g)	19.95	21.57	20.06			534.40	24.00	24.58	
MASS OF WATER (g)	1.90	1.97	1.72			38.28	1.53	1.57	
MASS OF CONTAINER (g)	11.11	10.97	11.07			309.75	13.50	13.78	
MASS OF DRY SOIL (g)	8.84	10.60	8.99			224.65	10.50	10.80	
WATER CONTENT W (%)	21.5	18.6	19.1			17.0	14.6	14.5	

LIQUID LIMIT (%)	**19.6**
PLASTIC LIMIT (%)	**14.6**
PLASTICITY INDEX (%)	**5.0**
W NATURAL (%)	**17.0**
LIQUIDITY INDEX	**0.49**



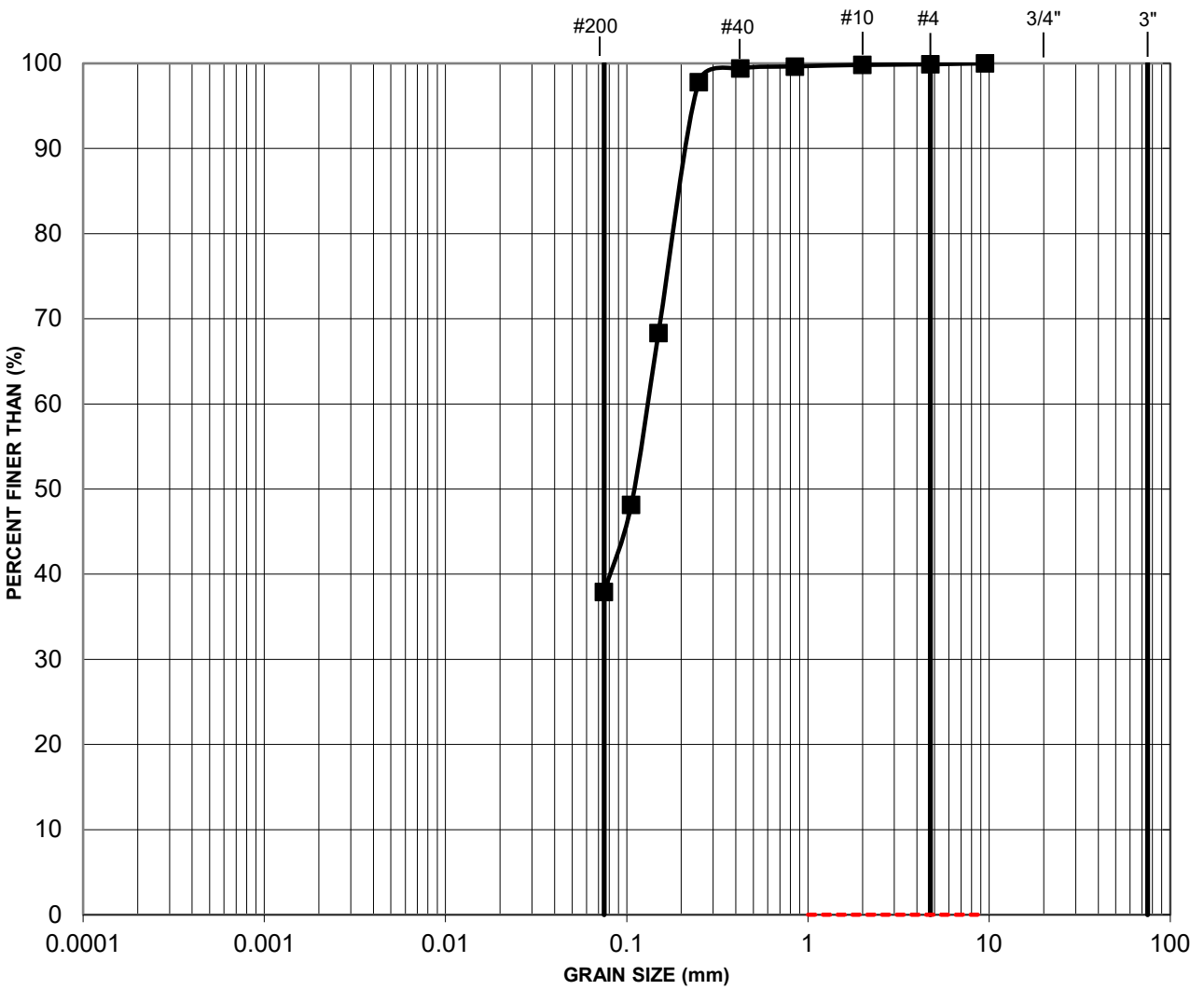
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH26	168242	26.5m - 26.8m

Project No./Phase/Task: 21473972-13000

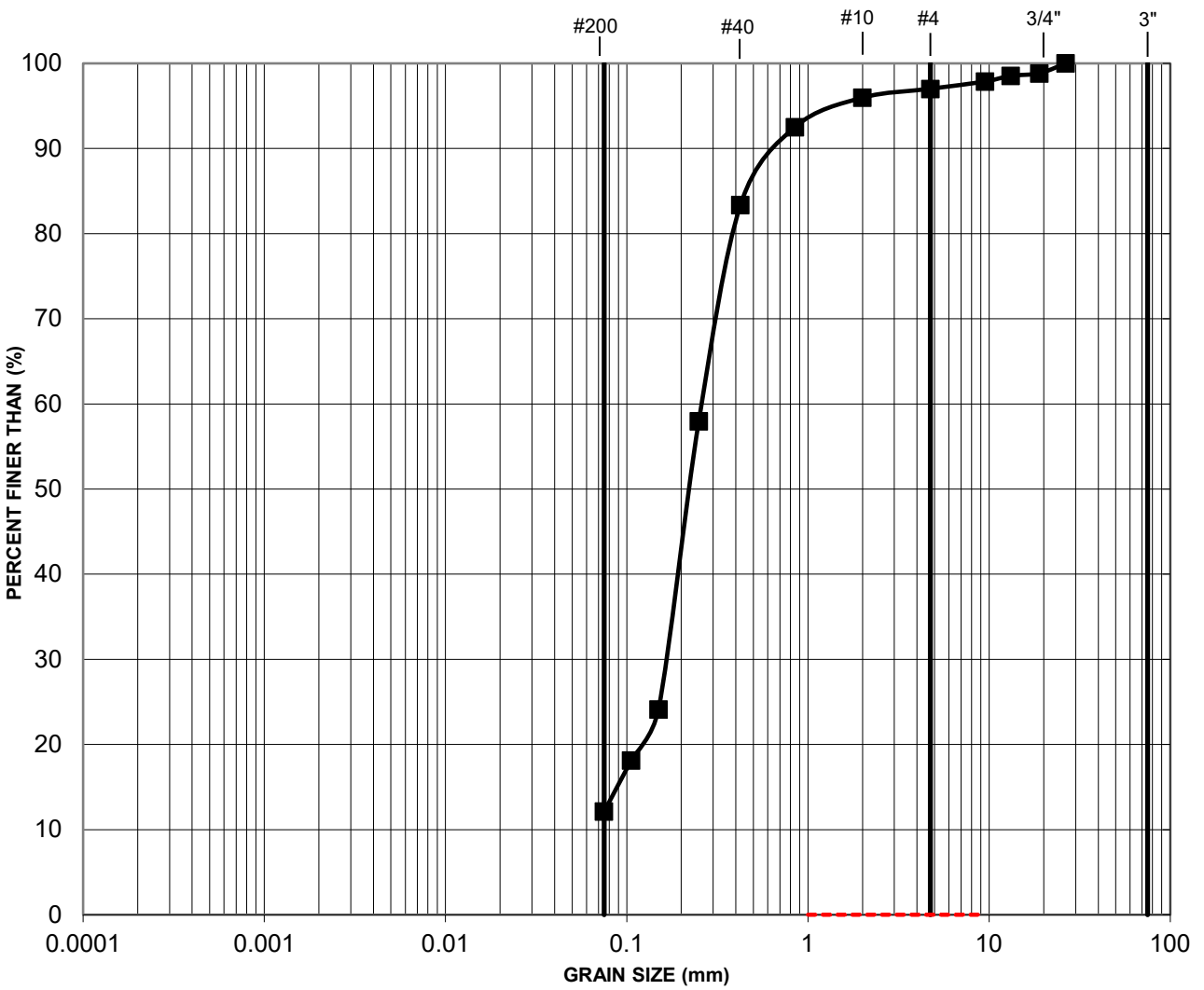
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE

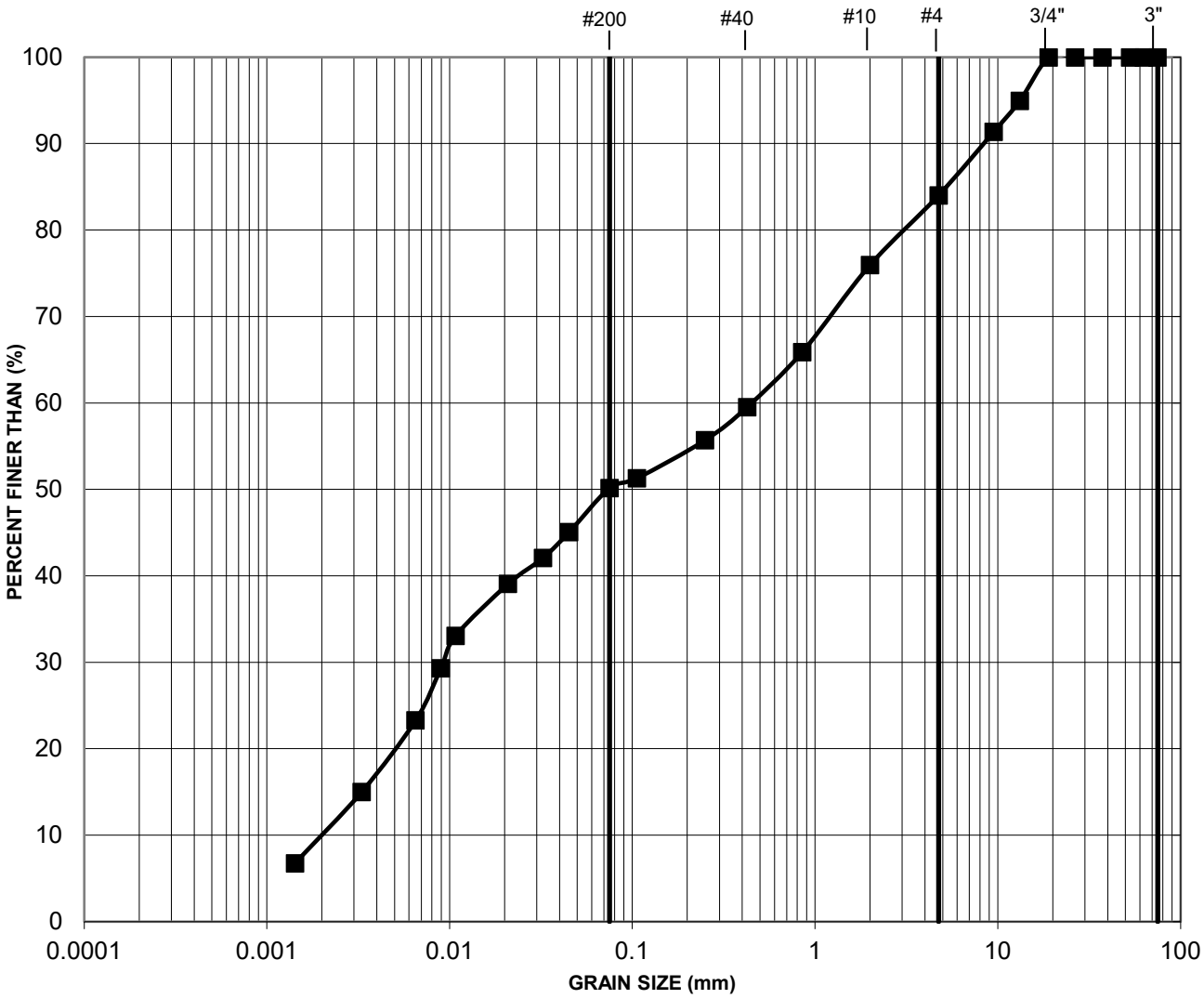


BH / Location	Sample	Depth
SRK22-TSF-BH26	167053	47.5m - 47.9m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH26	167054	48.2m - 48.5m

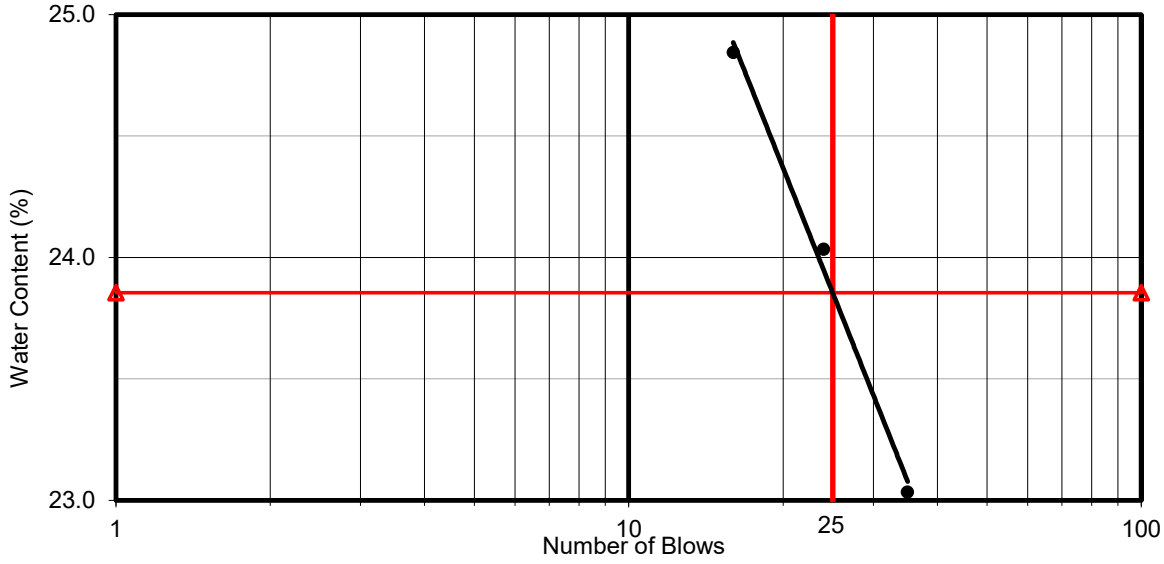
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G458**
Borehole:	**SRK22-TSF-BH26**
Sample Number:	**167054**
Depth of Sample:	**48.2m - 48.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r1	r3	r20			**X**	34	37	
NUMBER OF BLOWS	16	24	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	19.27	19.14	18.18			867.70	33.62	34.42	
MASS DRY SOIL + TARE (g)	16.89	16.84	16.13			810.65	31.45	32.26	
MASS OF WATER (g)	2.38	2.30	2.05			57.05	2.17	2.16	
MASS OF CONTAINER (g)	7.31	7.27	7.23			310.99	20.93	21.54	
MASS OF DRY SOIL (g)	9.58	9.57	8.90			499.66	10.52	10.72	
WATER CONTENT W (%)	24.8	24.0	23.0			11.4	20.6	20.1	

LIQUID LIMIT (%)	**23.9**
PLASTIC LIMIT (%)	**20.4**
PLASTICITY INDEX (%)	**3.5**
W NATURAL (%)	**11.4**
LIQUIDITY INDEX	**-2.59**

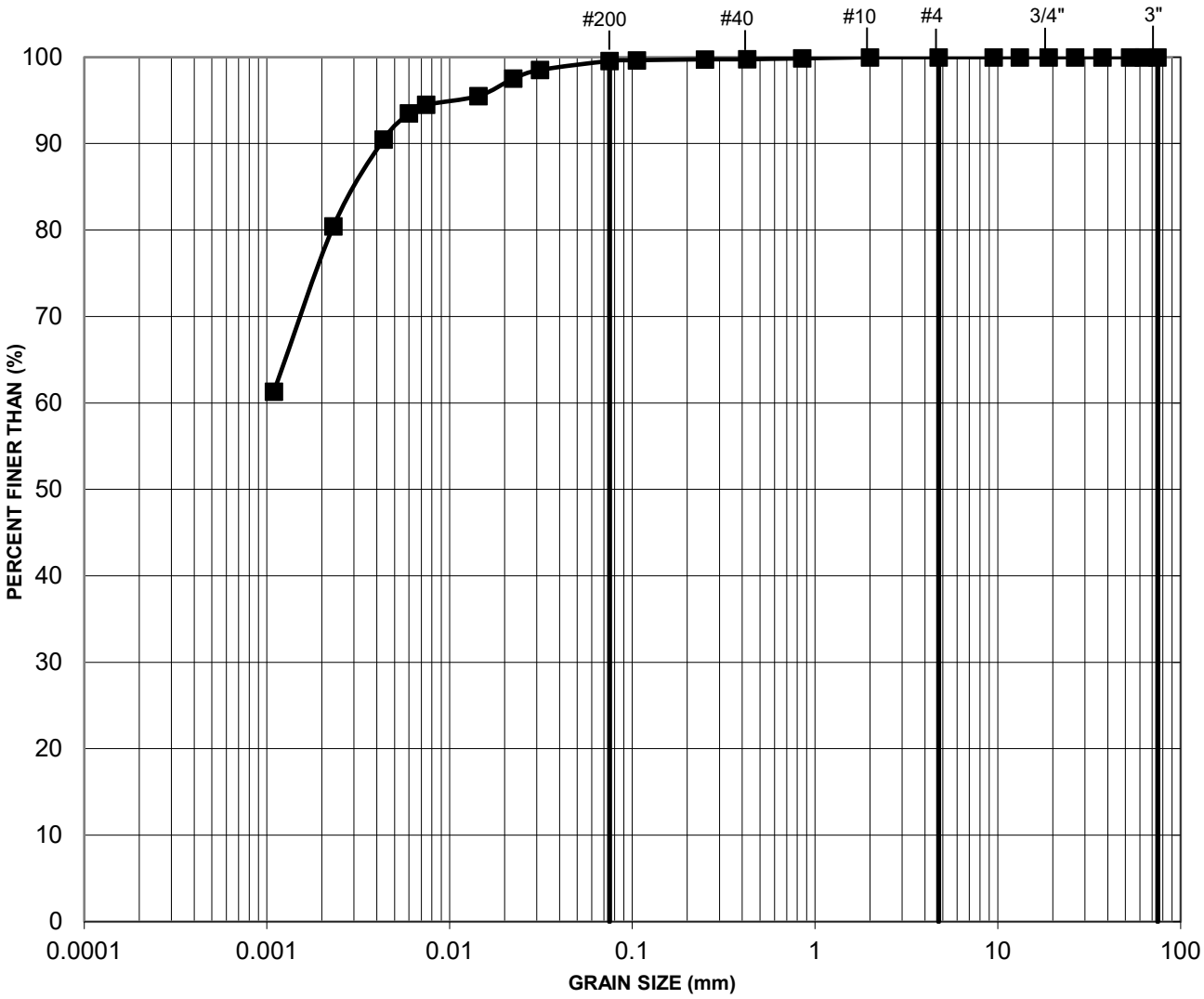


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH22	167089	10.7m - 11m

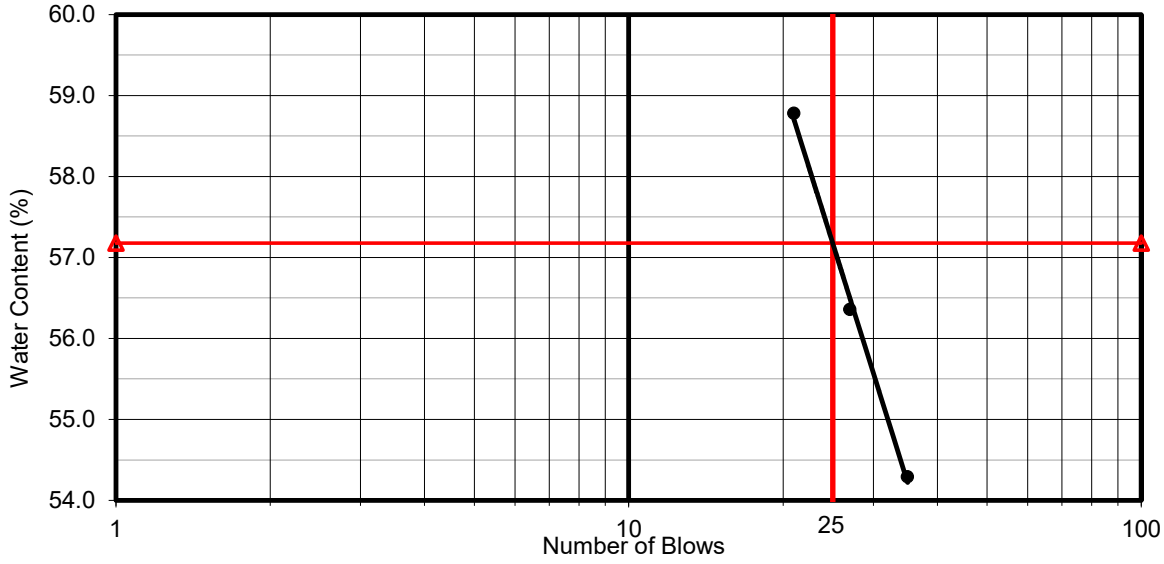
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G459**
Borehole:	**SRK22-TSF-BH22**
Sample Number:	**167089**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1a	8m	r11c			X	85	87	
NUMBER OF BLOWS	35	27	21			X	X	X	X
MASS WET SOIL + TARE (g)	18.17	18.33	17.99			603.27	32.05	32.05	
MASS DRY SOIL + TARE (g)	14.31	14.34	14.04			501.76	29.68	29.81	
MASS OF WATER (g)	3.86	3.99	3.95			101.51	2.37	2.24	
MASS OF CONTAINER (g)	7.20	7.26	7.32			316.44	20.76	20.88	
MASS OF DRY SOIL (g)	7.11	7.08	6.72			185.32	8.92	8.93	
WATER CONTENT W (%)	54.3	56.4	58.8			54.8	26.6	25.1	

LIQUID LIMIT (%)	**57.2**
PLASTIC LIMIT (%)	**25.8**
PLASTICITY INDEX (%)	**31.3**
W NATURAL (%)	**54.8**
LIQUIDITY INDEX	**0.92**

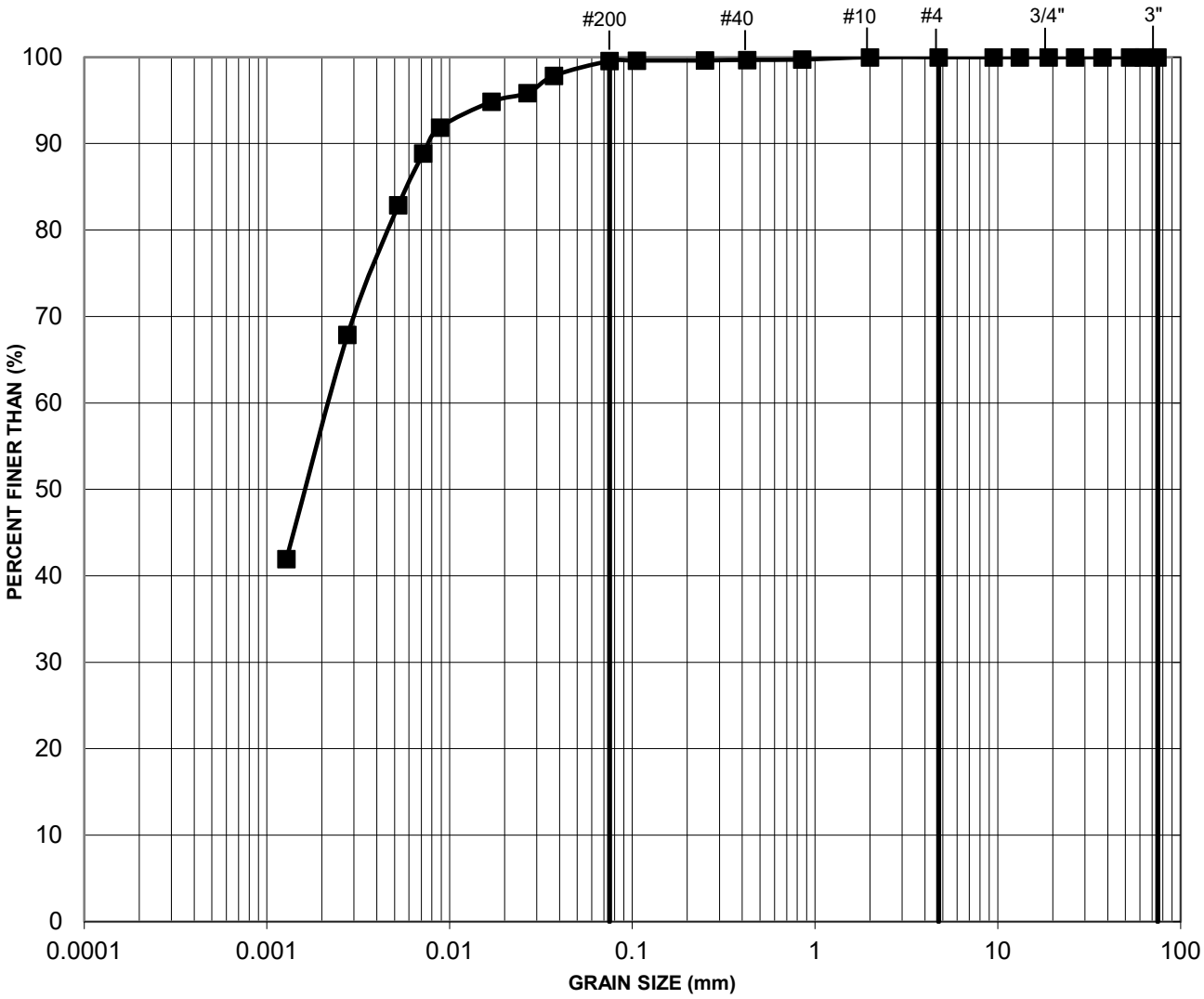


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH22	167092	18.6m - 18.9m

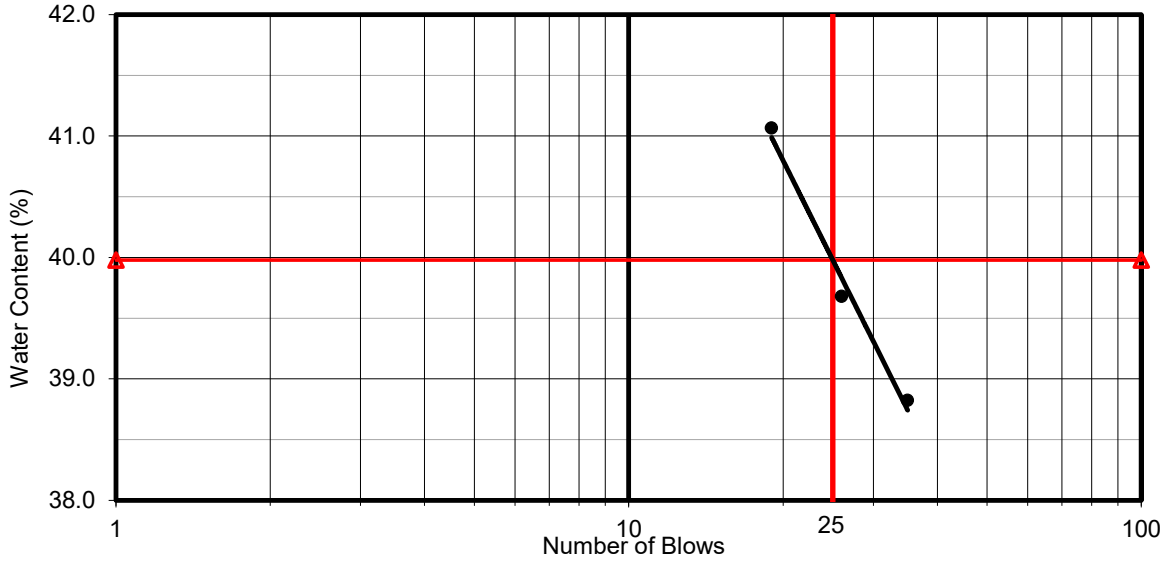
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G460**
Borehole:	**SRK22-TSF-BH22**
Sample Number:	**167092**
Depth of Sample:	**18.6m - 18.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5m	6l	16l			X	mr13	r24	
NUMBER OF BLOWS	35	19	26			X	X	X	X
MASS WET SOIL + TARE (g)	17.77	17.59	17.69			587.94	25.11	25.87	
MASS DRY SOIL + TARE (g)	14.80	14.58	14.73			511.03	23.08	23.97	
MASS OF WATER (g)	2.97	3.01	2.96			76.91	2.03	1.90	
MASS OF CONTAINER (g)	7.15	7.25	7.27			314.02	13.56	14.55	
MASS OF DRY SOIL (g)	7.65	7.33	7.46			197.01	9.52	9.42	
WATER CONTENT W (%)	38.8	41.1	39.7			39.0	21.3	20.2	

LIQUID LIMIT (%)	**40.0**
PLASTIC LIMIT (%)	**20.7**
PLASTICITY INDEX (%)	**19.2**
W NATURAL (%)	**39.0**
LIQUIDITY INDEX	**0.95**



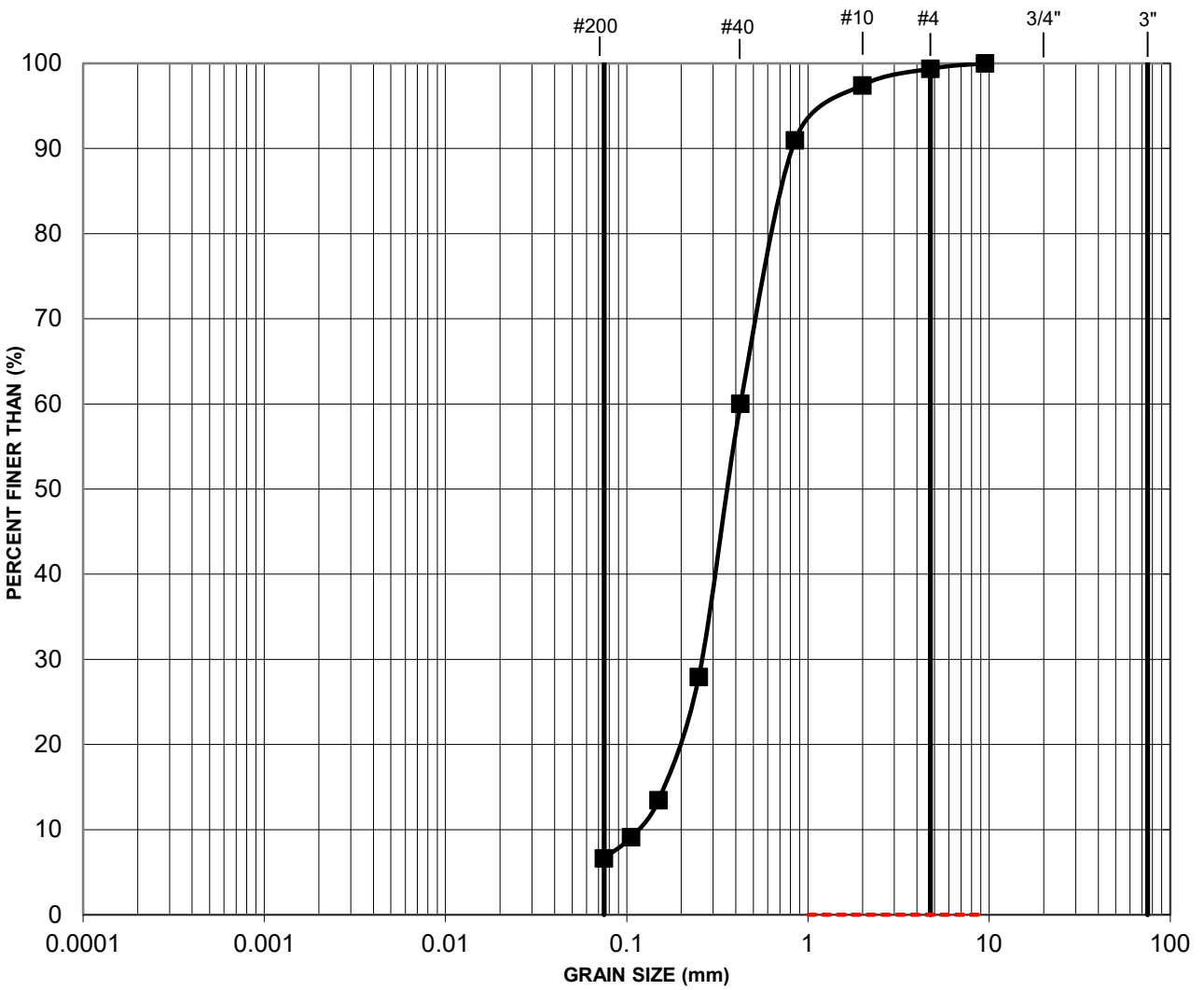
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-TSF-BH22	167095	24.7m - 25m

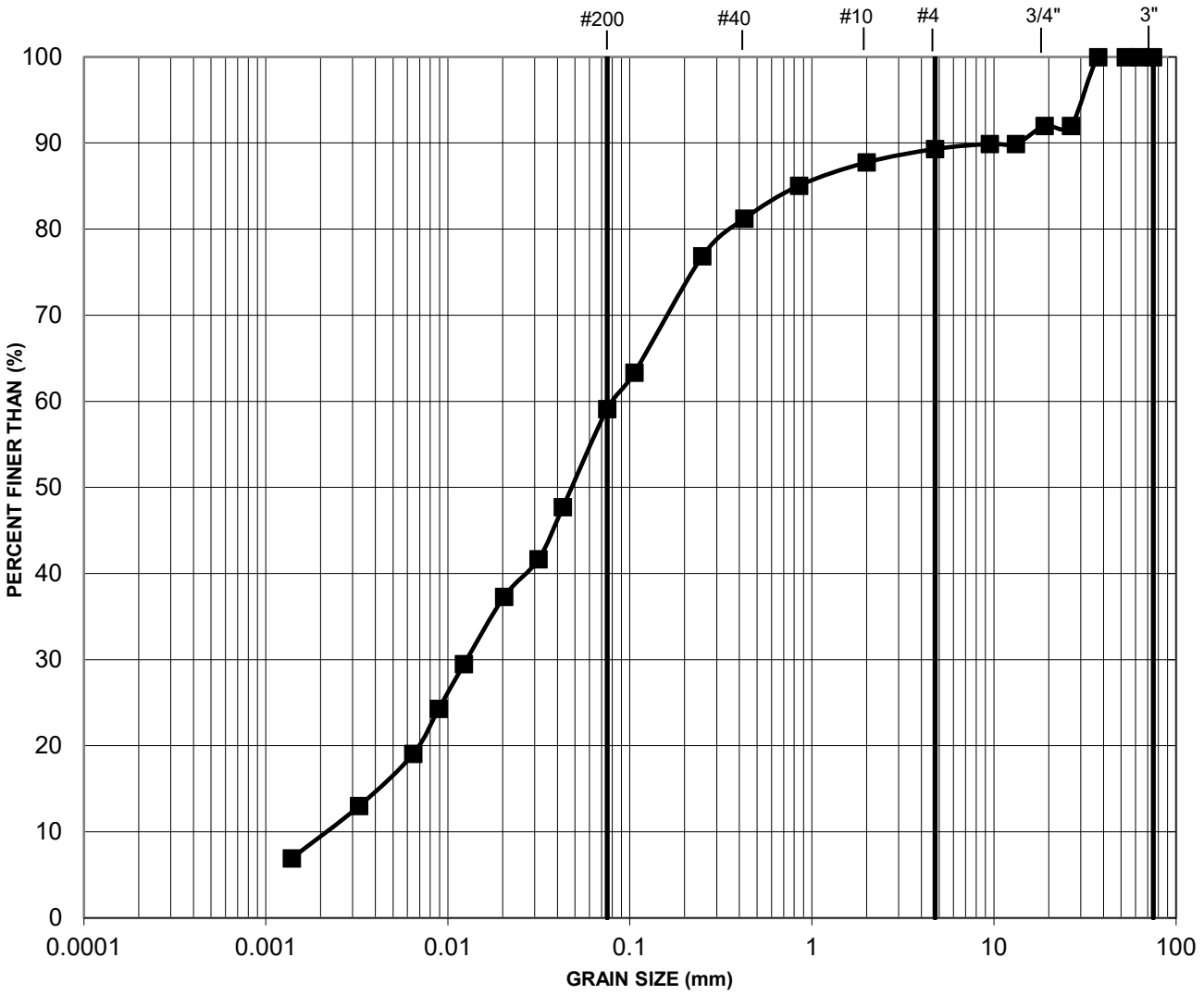
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH22	167096	28.7m - 29m

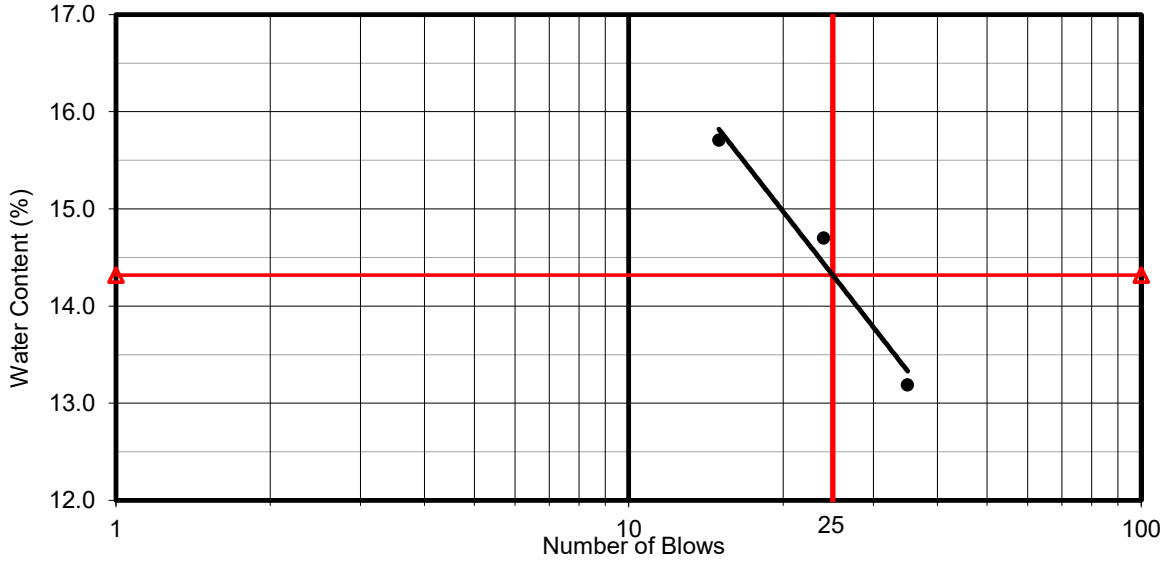
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G462**
Borehole:	**SRK22-TSF-BH22**
Sample Number:	**167096**
Depth of Sample:	**28.7m - 29m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	28	33	401			X	4m	mr04	
NUMBER OF BLOWS	15	24	35			X	X	X	X
MASS WET SOIL + TARE (g)	23.26	23.00	22.36			943.52	26.41	26.00	
MASS DRY SOIL + TARE (g)	21.60	21.47	21.04			886.61	24.98	24.69	
MASS OF WATER (g)	1.66	1.53	1.32			56.91	1.43	1.31	
MASS OF CONTAINER (g)	11.03	11.06	11.03			326.88	13.70	14.05	
MASS OF DRY SOIL (g)	10.57	10.41	10.01			559.73	11.28	10.64	
WATER CONTENT W (%)	15.7	14.7	13.2			10.2	12.7	12.3	

LIQUID LIMIT (%)	**14.3**
PLASTIC LIMIT (%)	**12.5**
PLASTICITY INDEX (%)	**1.8**
W NATURAL (%)	**10.2**
LIQUIDITY INDEX	**-1.28**

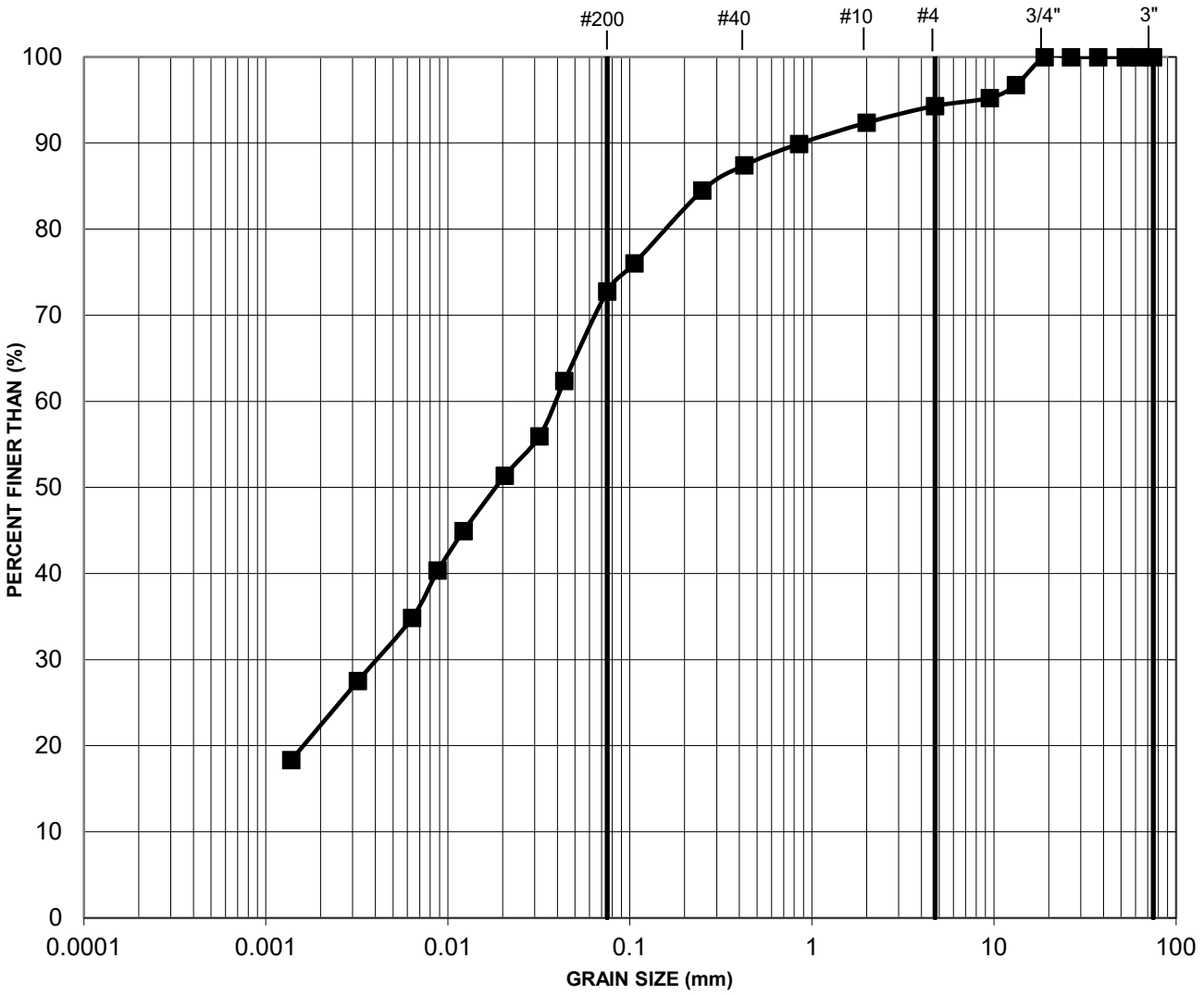


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH22	167740	36.7m - 37m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**EG**
Lab Number:	**G463**
Borehole:	**SRK22-TSF-BH22**
Sample Number:	**167740**
Depth of Sample:	**36.7m - 37m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r4	10m	8m			X	13	56	
NUMBER OF BLOWS	16	24	32			X	X	X	X
MASS WET SOIL + TARE (g)	33.40	29.00	28.60			858.01	32.93	33.28	
MASS DRY SOIL + TARE (g)	29.53	26.19	25.94			798.68	31.69	32.03	
MASS OF WATER (g)	3.87	2.81	2.66			59.33	1.24	1.25	
MASS OF CONTAINER (g)	13.98	13.84	13.89			304.67	21.27	21.30	
MASS OF DRY SOIL (g)	15.55	12.35	12.05			494.01	10.42	10.73	
WATER CONTENT W (%)	24.9	22.8	22.1			12.0	11.9	11.6	

LIQUID LIMIT (%)	**22.9**
PLASTIC LIMIT (%)	**11.8**
PLASTICITY INDEX (%)	**11.1**
W NATURAL (%)	**12.0**
LIQUIDITY INDEX	**0.02**

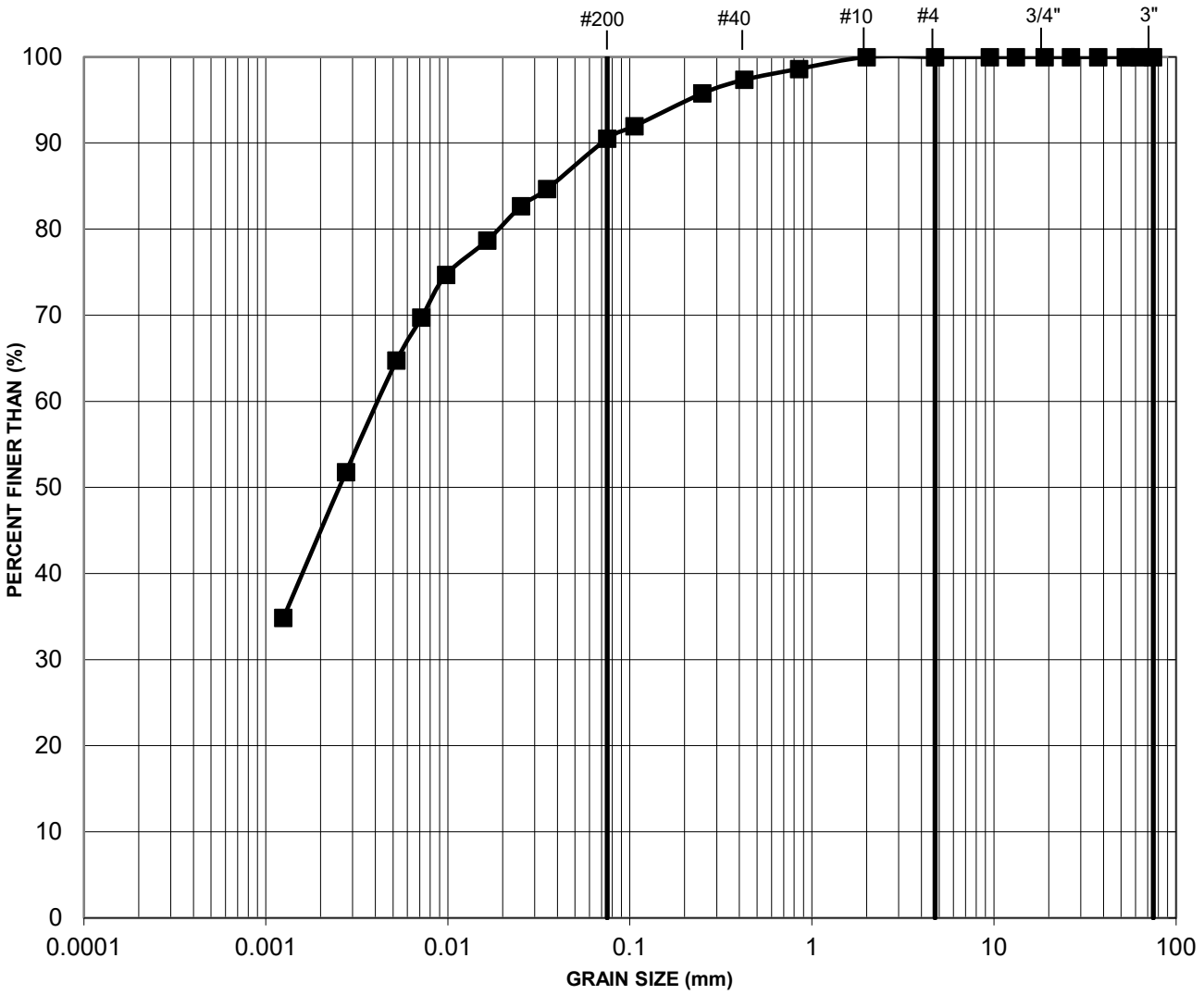


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH31	167748	11.6m - 11.9m

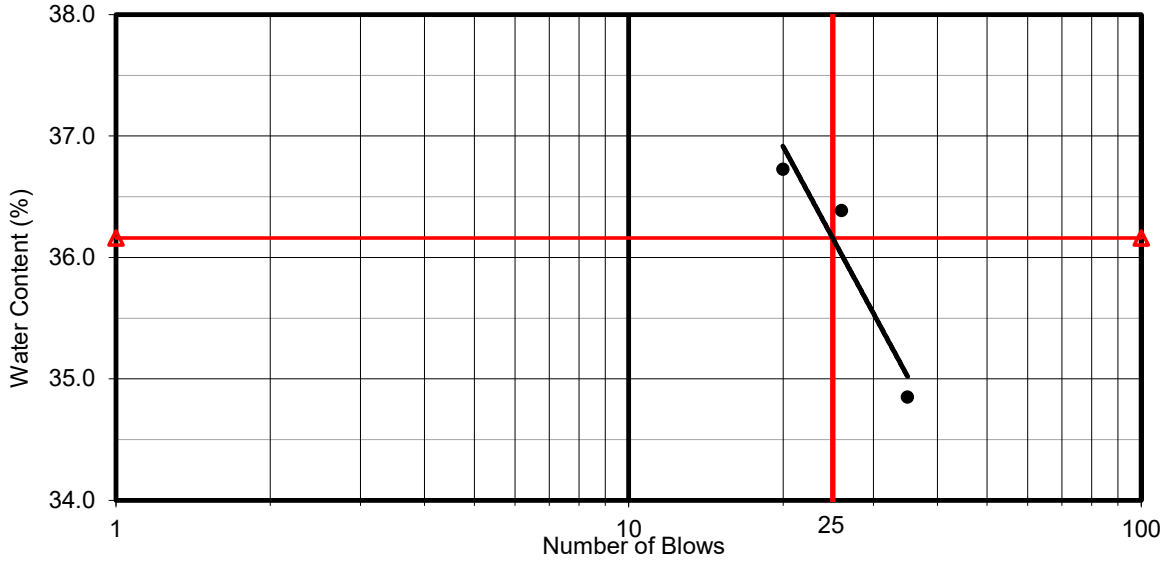
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G464**
Borehole:	**SRK22-TSF-BH31**
Sample Number:	**167748**
Depth of Sample:	**11.6m - 11.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1l	k2	7m			**X**	xxx	5m	
NUMBER OF BLOWS	35	20	26			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.53	18.34	18.57			671.90	25.06	25.30	
MASS DRY SOIL + TARE (g)	15.62	15.38	15.55			603.85	23.37	23.57	
MASS OF WATER (g)	2.91	2.96	3.02			68.05	1.69	1.73	
MASS OF CONTAINER (g)	7.27	7.32	7.25			384.98	13.83	13.70	
MASS OF DRY SOIL (g)	8.35	8.06	8.30			218.87	9.54	9.87	
WATER CONTENT W (%)	34.9	36.7	36.4			31.1	17.7	17.5	

LIQUID LIMIT (%)	**36.2**
PLASTIC LIMIT (%)	**17.6**
PLASTICITY INDEX (%)	**18.5**
W NATURAL (%)	**31.1**
LIQUIDITY INDEX	**0.73**

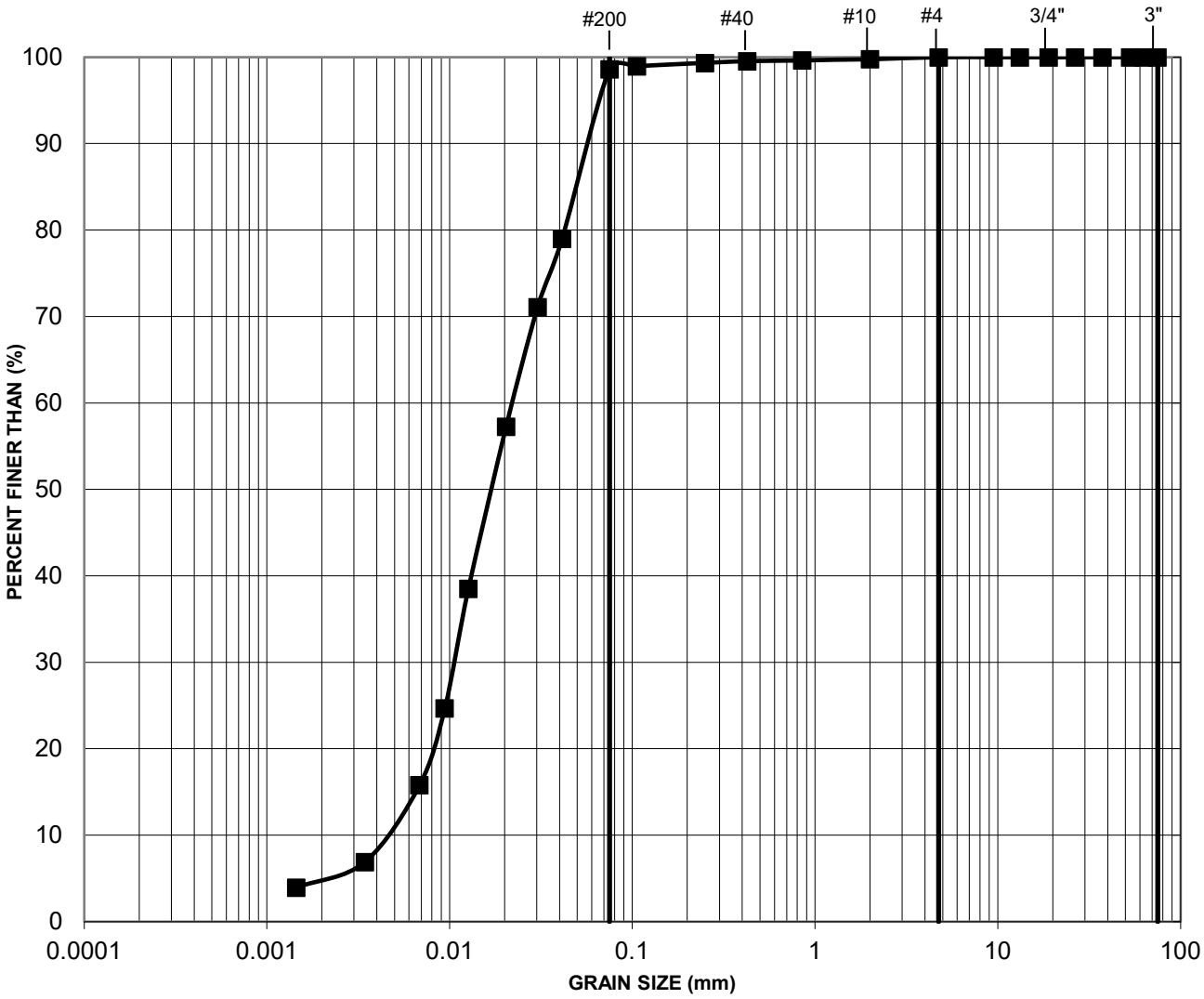


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH31	168403	21.6m - 21.9m

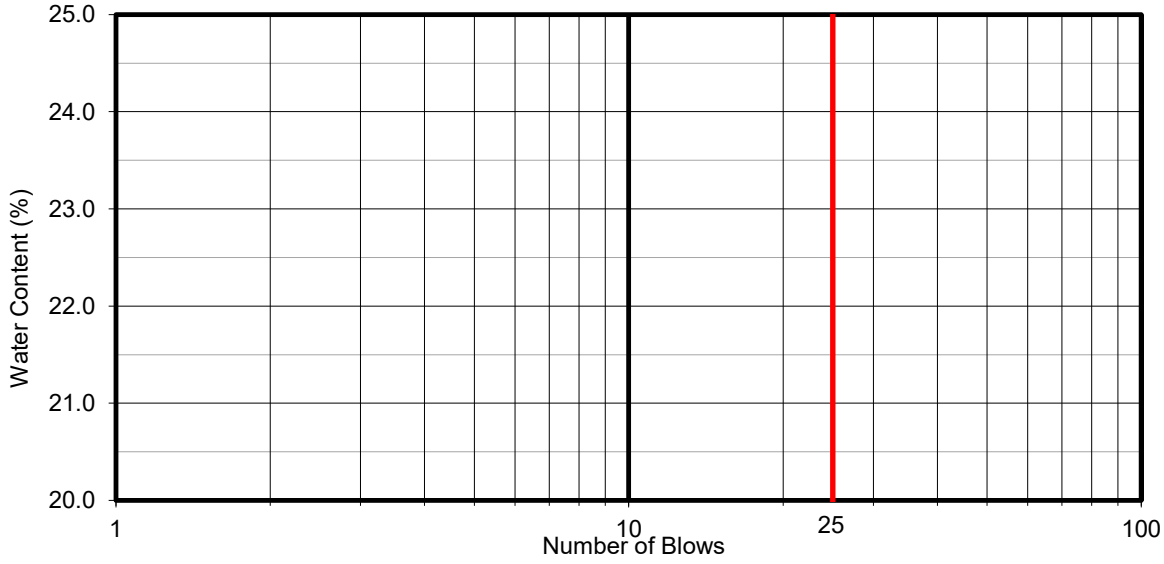
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G465**
Borehole:	**SRK22-TSF-BH31**
Sample Number:	**168403**
Depth of Sample:	**21.6m - 21.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						681.11			
MASS DRY SOIL + TARE (g)						622.56			
MASS OF WATER (g)						58.55			
MASS OF CONTAINER (g)						392.89			
MASS OF DRY SOIL (g)						229.67			
WATER CONTENT W (%)						25.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

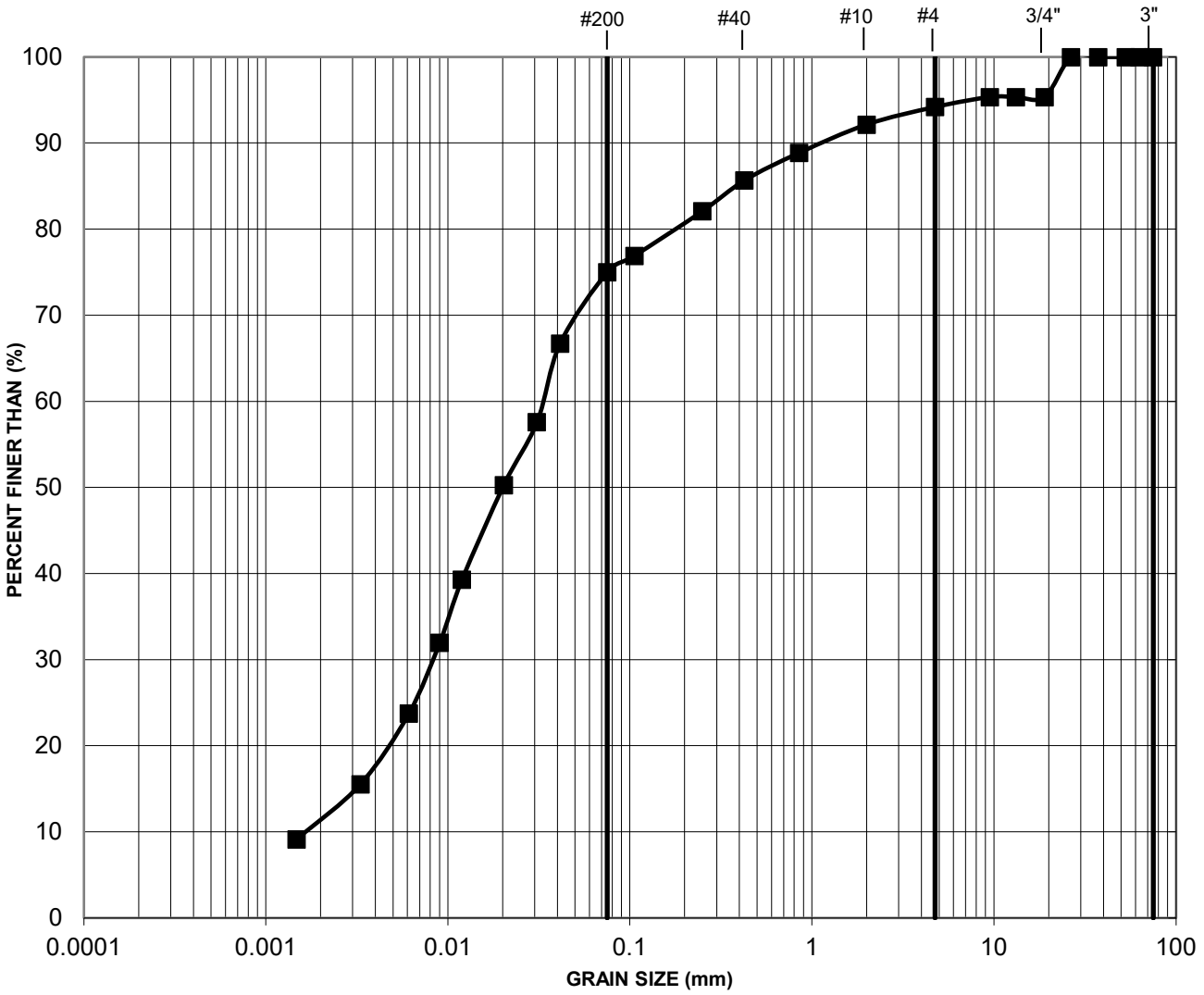


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-TSF-BH31	168407	31.2m - 31.5m

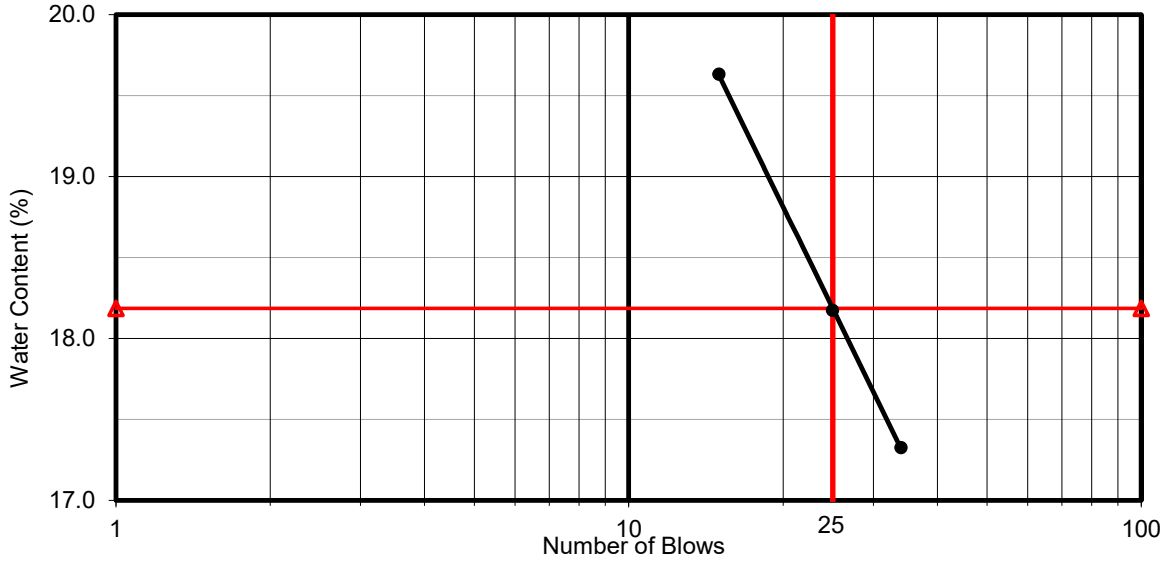
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G466**
Borehole:	**SRK22-TSF-BH31**
Sample Number:	**168407**
Depth of Sample:	**31.2m - 31.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r8l	5	68			**X**	h	t	
NUMBER OF BLOWS	15	25	34			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.24	18.60	20.00			973.86	26.24	25.59	
MASS DRY SOIL + TARE (g)	16.43	16.85	18.11			903.03	24.68	24.04	
MASS OF WATER (g)	1.81	1.75	1.89			70.83	1.56	1.55	
MASS OF CONTAINER (g)	7.21	7.22	7.20			392.90	14.20	13.45	
MASS OF DRY SOIL (g)	9.22	9.63	10.91			510.13	10.48	10.59	
WATER CONTENT W (%)	19.6	18.2	17.3			13.9	14.9	14.6	

LIQUID LIMIT (%)	**18.2**
PLASTIC LIMIT (%)	**14.8**
PLASTICITY INDEX (%)	**3.4**
W NATURAL (%)	**13.9**
LIQUIDITY INDEX	**-0.26**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21473972-13000
Project Name:	CDN Nickel/Geotech WB WQ Supp
Client:	Canada Nickel Company
Org:	1701
Scheduled By:	Michael Etezad
Date Scheduled:	May 9, 2022
Due Date:	May 31, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G467

Test Totals:	13	-	12	3	12	-	-	-	-					

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK22 TSF BH 16	168422	8.2	8.5	1		1		1						G468
SRK22 TSF BH 16	168425	14.3	14.6	1		1		1						G469
SRK22 TSF BH 16	168428	19.5	19.8	1		1		1						G470
SRK22 TSF BH 16	168431	23.2	23.5	1		1		1						G471
SRK22 TSF BH 16	168433	26.2	26.5	1			1							G472
SRK22 TSF BH 32	167413	7.6	7.9	1		1		1						G473
SRK22 TSF BH 32	167414	10.7	11	1		1		1						G474
SRK22 TSF BH 32	167416	22.9	23.2	1		1		1						G475
SRK22 TSF BH 34	167424	11.3	11.6	1		1		1						G476
SRK22 TSF BH 34	167425	14.3	14.6	1		1		1						G477
SRK22 TSF BH 34	167427	22.3	22.6				1							G478
SRK22 TSF BH 30	167437	4.3	4.6	1		1		1						G479
SRK22 TSF BH 30	167439	8.2	8.5	1		1		1						G480
SRK22 TSF BH 30	167441	15.8	16.2	1		1		1						G481
SRK22 TSF BH 30	167443	22.9	23.2				1							G482

GOLDER

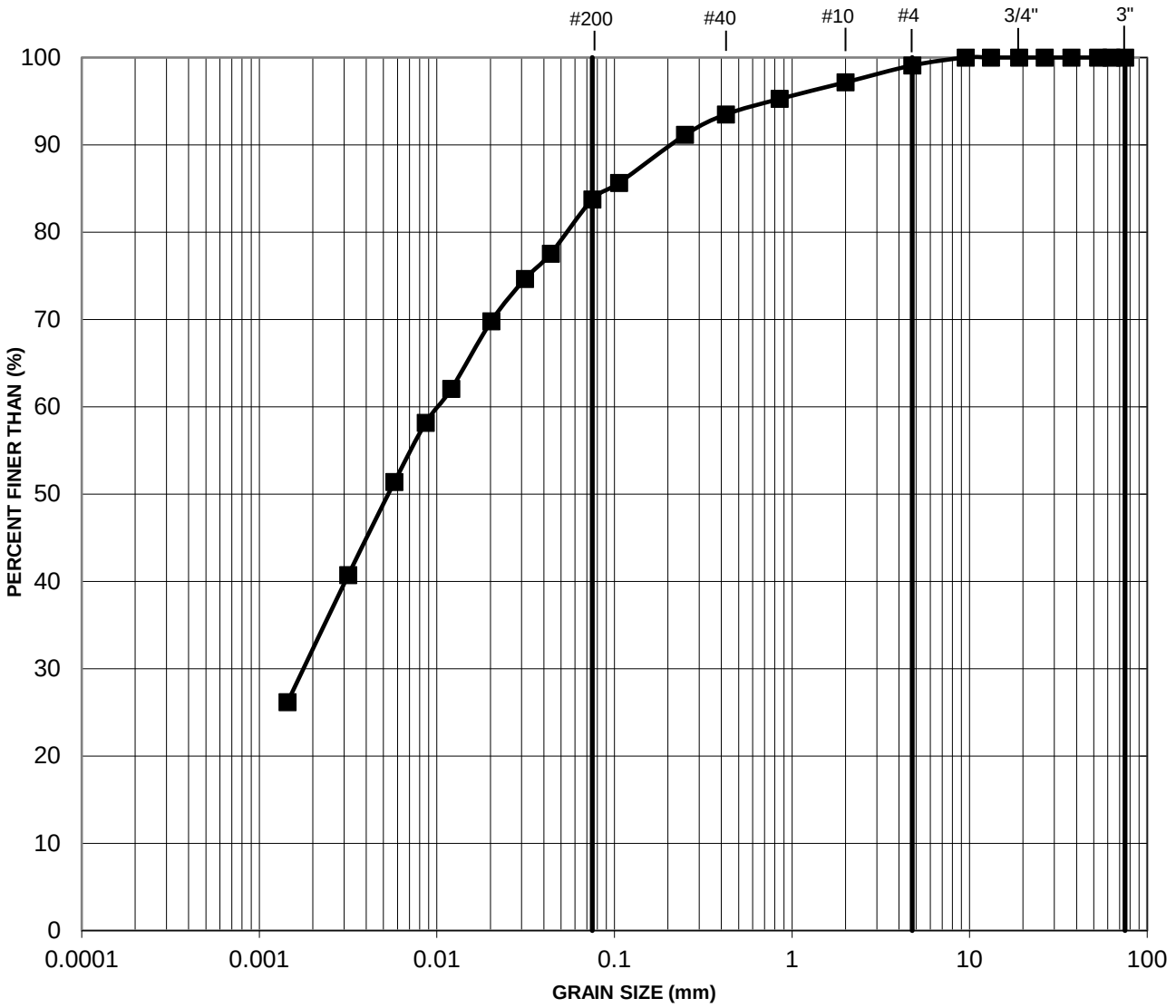
Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Lab Water Content No.:	**G467**
Reviewed by:	**TG**

Borehole -	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK22 TSF BH 16	168422	8.2m - 8.5m	20.7	27.5	15.4	12.1	0.4
SRK22 TSF BH 16	168425	14.3m - 14.6m	39.1	39.2	19.8	19.4	1.0
SRK22 TSF BH 16	168428	19.5m - 19.8m	36.9	30.0	19.1	10.9	1.6
SRK22 TSF BH 16	168431	23.2m - 23.5m	10.7	NP	NP	NP	NP
SRK22 TSF BH 16	168433	26.2m - 26.5m	7.4				
SRK22 TSF BH 32	167413	7.6m - 7.9m	31.2	33.2	18.6	14.6	0.9
SRK22 TSF BH 32	167414	10.7m - 11m	28.2	33.0	17.0	16.0	0.7
SRK22 TSF BH 32	167416	22.9m - 23.2m	19.9	NP	NP	NP	NP
SRK22 TSF BH 34	167424	11.3m - 11.6m	24.5	31.9	17.5	14.3	0.5
SRK22 TSF BH 34	167425	14.3m - 14.6m	19.7	21.2	18.1	3.1	0.5
SRK22 TSF BH 30	167437	4.3m - 4.6m	27.6	32.1	17.3	14.8	0.7
SRK22 TSF BH 30	167439	8.2m - 8.5m	27.4	34.1	17.5	16.5	0.6
SRK22 TSF BH 30	167441	15.8m - 16.2m	34.5	36.3	21.0	15.4	0.9

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 16	168422	8.2m - 8.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

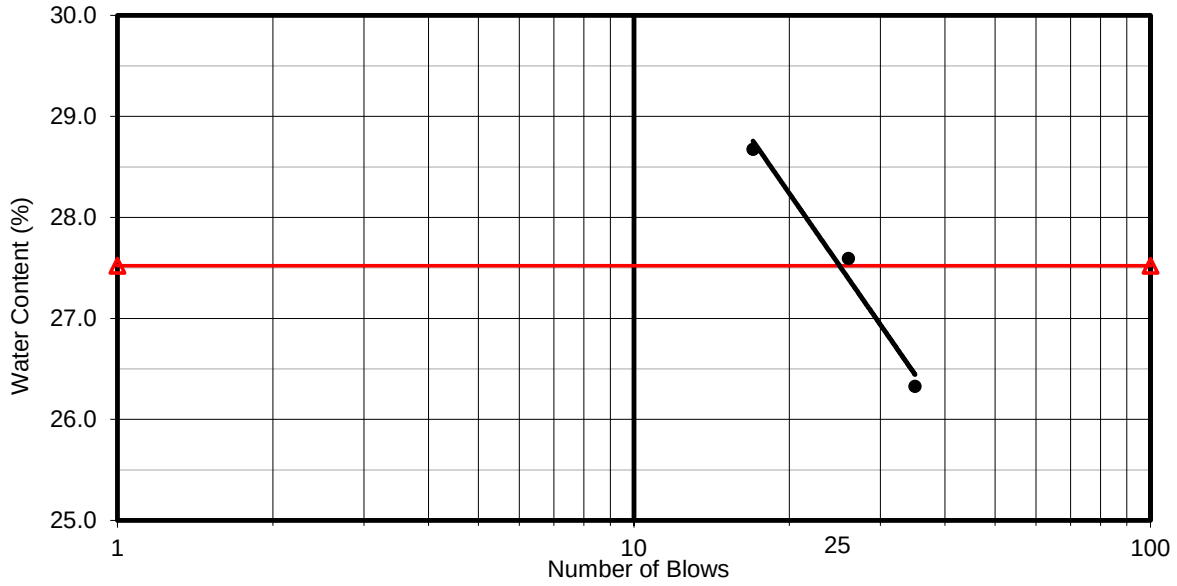
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G468**
Borehole:	**SRK22 TSF BH 16**
Sample Number:	**168422**
Depth of Sample:	**8.2m - 8.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	6	r5	r7			**X**	7m	r21	
NUMBER OF BLOWS	35	26	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.44	18.93	17.89			1091.88	25.55	26.50	
MASS DRY SOIL + TARE (g)	16.11	16.43	15.51			996.82	23.94	24.90	
MASS OF WATER (g)	2.33	2.50	2.38			95.06	1.61	1.60	
MASS OF CONTAINER (g)	7.26	7.37	7.21			538.49	13.58	14.38	
MASS OF DRY SOIL (g)	8.85	9.06	8.30			458.33	10.36	10.52	
WATER CONTENT W (%)	26.3	27.6	28.7			20.7	15.5	15.2	

LIQUID LIMIT (%)	**27.5**
PLASTIC LIMIT (%)	**15.4**
PLASTICITY INDEX (%)	**12.1**
W NATURAL (%)	**20.7**
LIQUIDITY INDEX	**0.44**

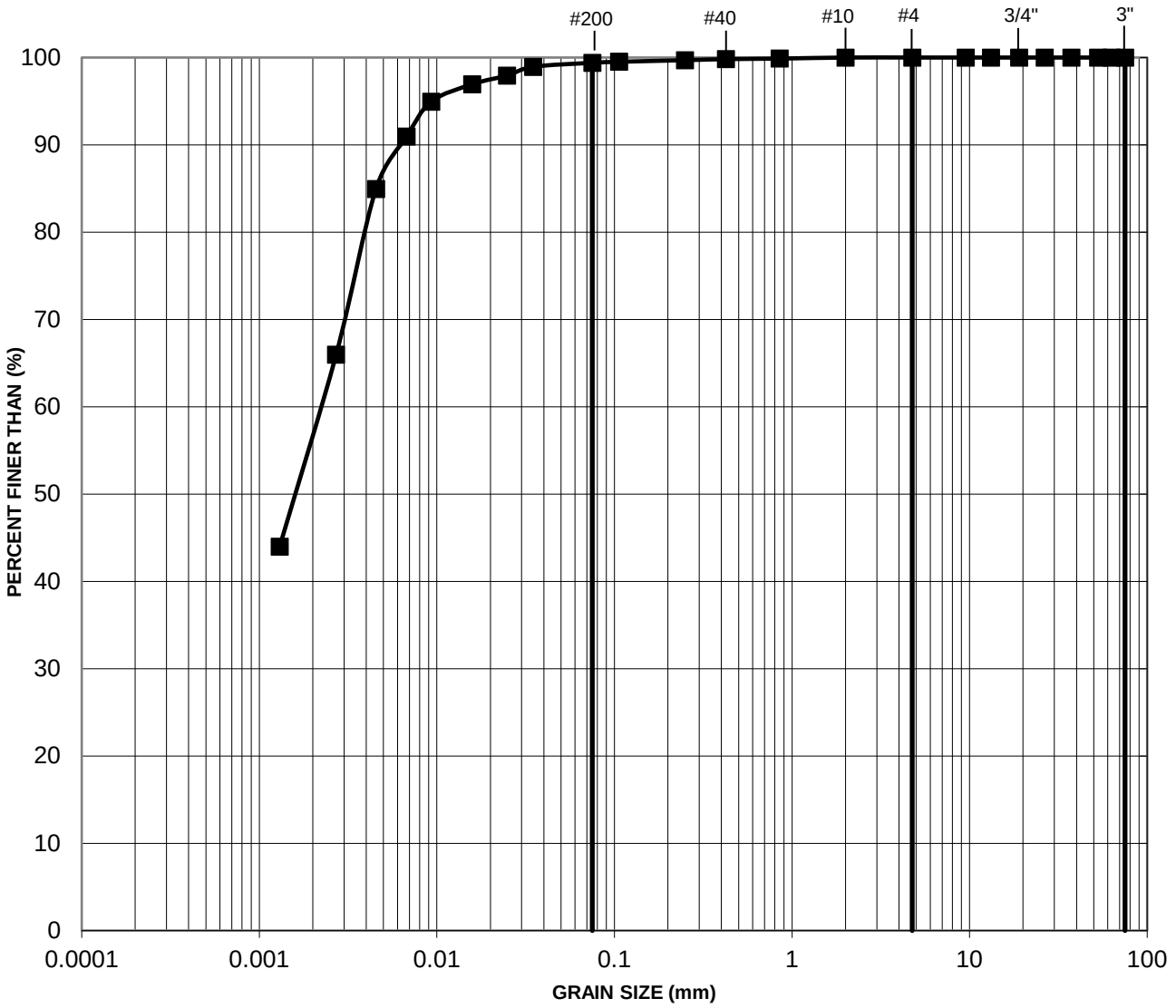


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 16	168425	14.3m - 14.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

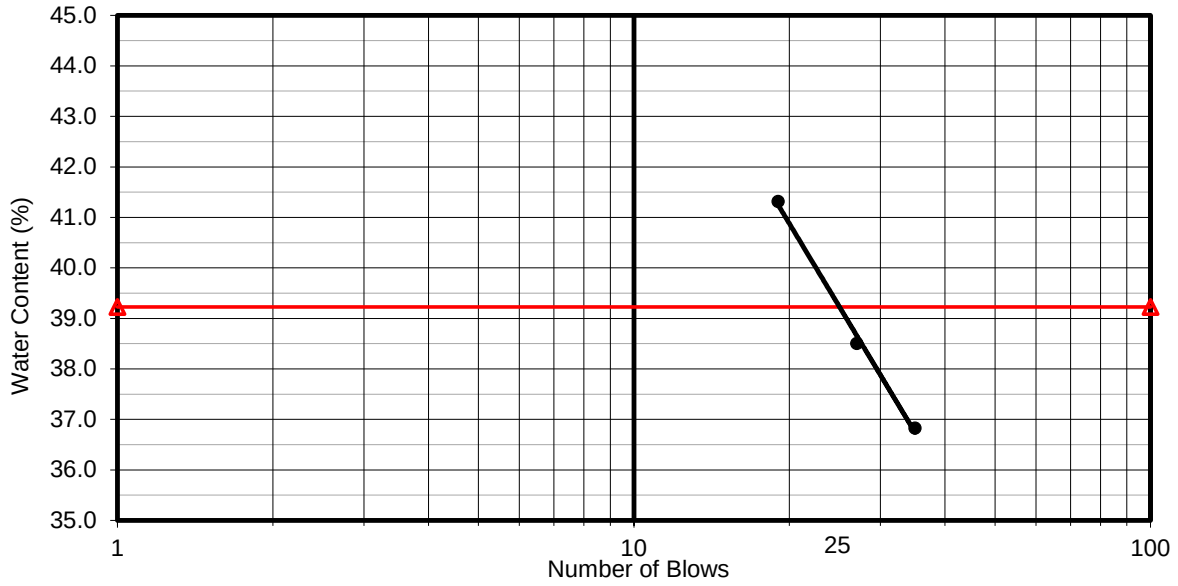
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G469**
Borehole:	**SRK22 TSF BH 16**
Sample Number:	**168425**
Depth of Sample:	**14.3m - 14.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	45	60	87l			X	r5	r10	
NUMBER OF BLOWS	35	27	19			X	X	X	X
MASS WET SOIL + TARE (g)	22.14	22.72	22.82			667.44	25.22	25.80	
MASS DRY SOIL + TARE (g)	19.19	19.47	19.37			588.16	23.35	23.84	
MASS OF WATER (g)	2.95	3.25	3.45			79.28	1.87	1.96	
MASS OF CONTAINER (g)	11.18	11.03	11.02			385.36	13.87	13.97	
MASS OF DRY SOIL (g)	8.01	8.44	8.35			202.80	9.48	9.87	
WATER CONTENT W (%)	36.8	38.5	41.3			39.1	19.7	19.9	

LIQUID LIMIT (%)	**39.2**
PLASTIC LIMIT (%)	**19.8**
PLASTICITY INDEX (%)	**19.4**
W NATURAL (%)	**39.1**
LIQUIDITY INDEX	**0.99**

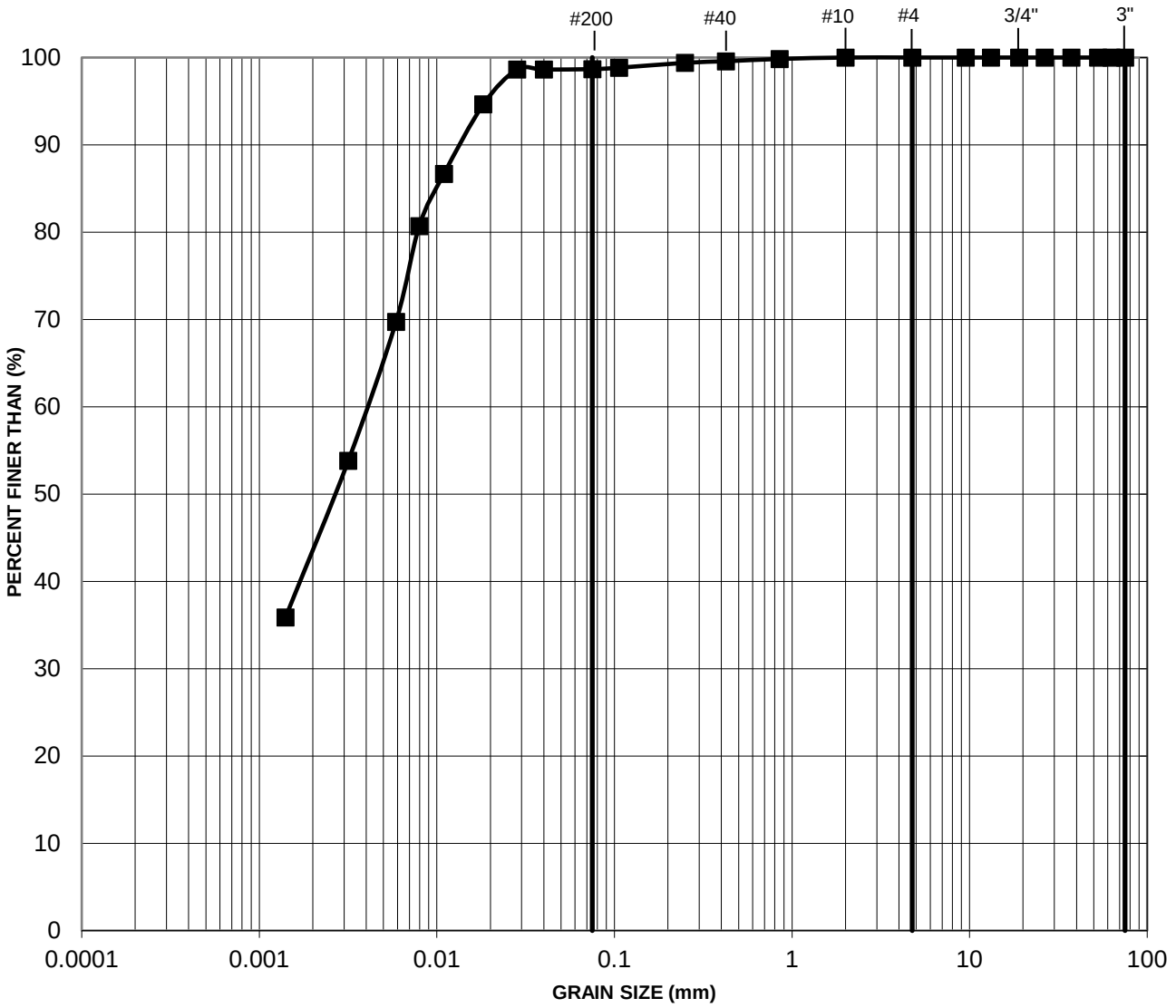


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 16	168428	19.5m - 19.8m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

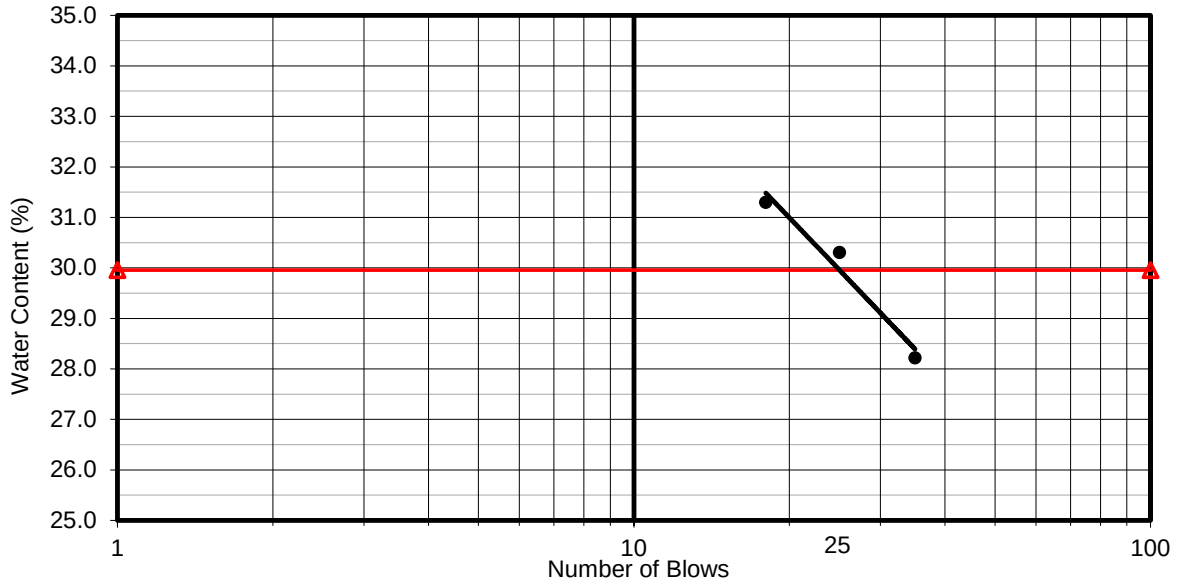
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G470**
Borehole:	**SRK22 TSF BH 16**
Sample Number:	**168428**
Depth of Sample:	**19.5m - 19.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r13l	r21	r23l			X	i	m	
NUMBER OF BLOWS	18	25	35			X	X	X	X
MASS WET SOIL + TARE (g)	17.84	18.30	18.19			669.96	26.27	25.98	
MASS DRY SOIL + TARE (g)	15.32	15.73	15.78			592.58	24.32	24.08	
MASS OF WATER (g)	2.52	2.57	2.41			77.38	1.95	1.90	
MASS OF CONTAINER (g)	7.27	7.25	7.24			382.98	14.19	14.02	
MASS OF DRY SOIL (g)	8.05	8.48	8.54			209.60	10.13	10.06	
WATER CONTENT W (%)	31.3	30.3	28.2			36.9	19.2	18.9	

LIQUID LIMIT (%)	**30.0**
PLASTIC LIMIT (%)	**19.1**
PLASTICITY INDEX (%)	**10.9**
W NATURAL (%)	**36.9**
LIQUIDITY INDEX	**1.64**

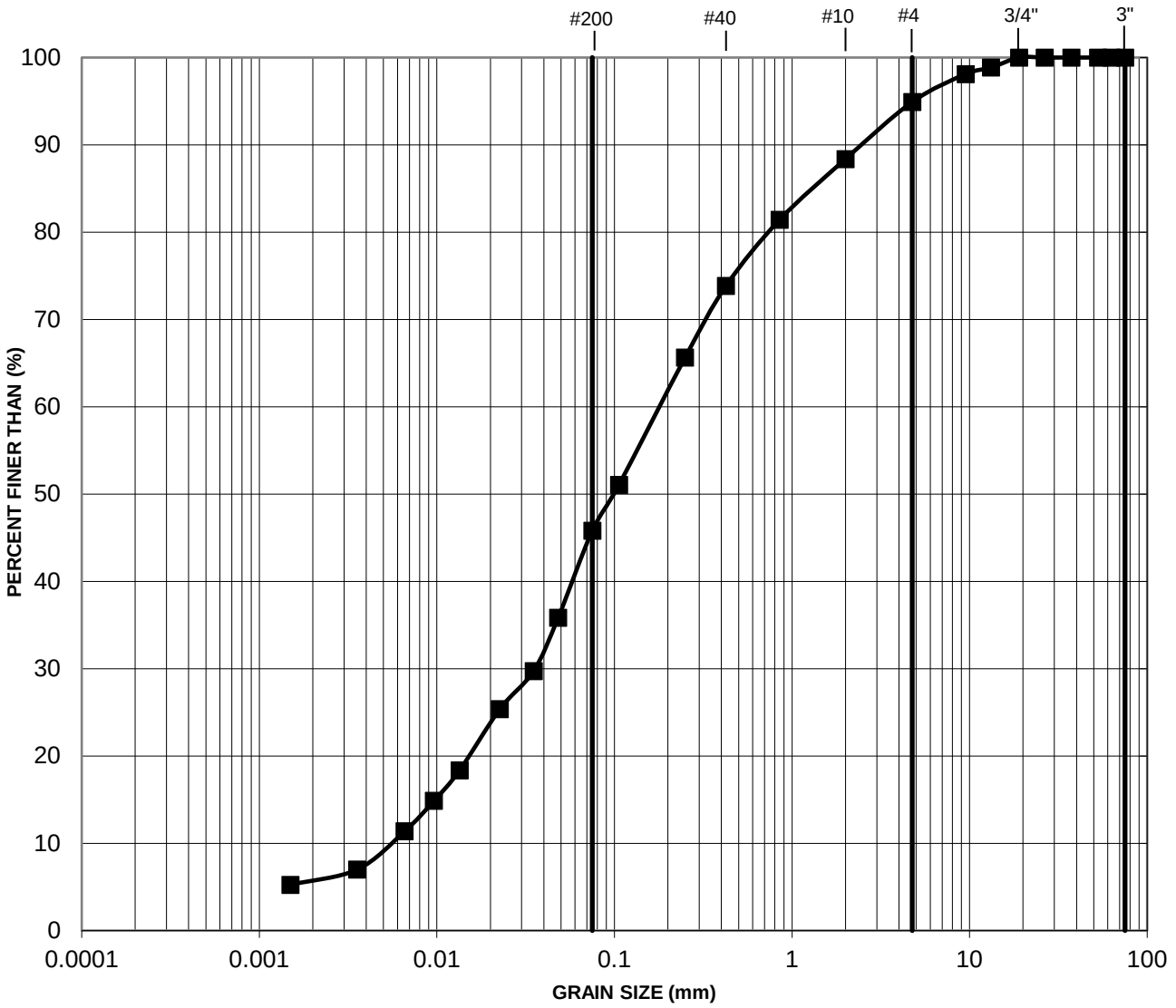


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 16	168431	23.2m - 23.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

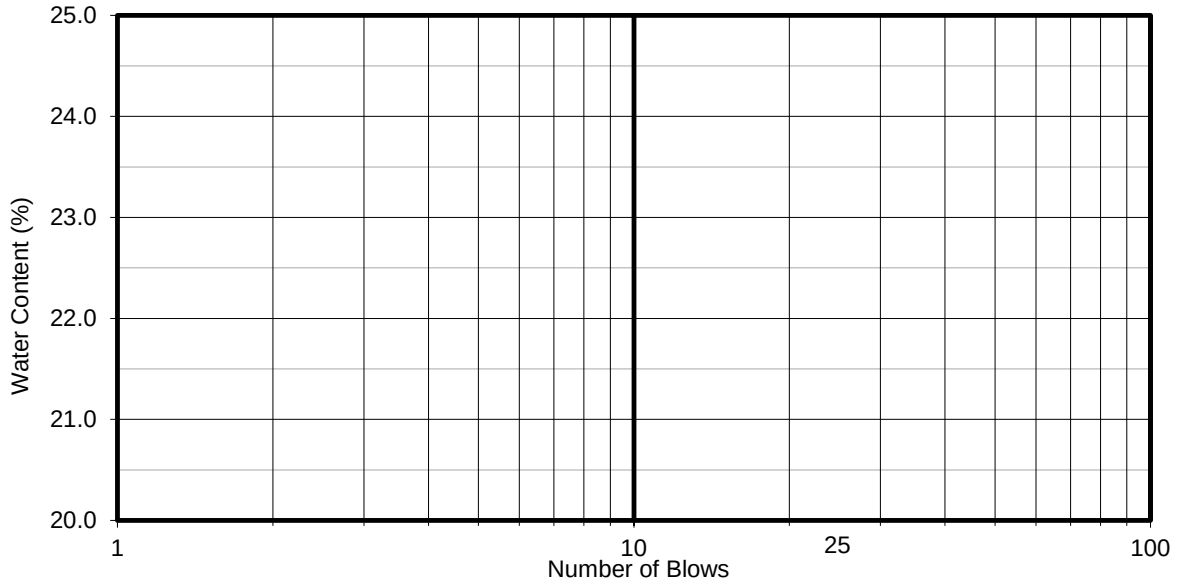
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G471**
Borehole:	**SRK22 TSF BH 16**
Sample Number:	**168431**
Depth of Sample:	**23.2m - 23.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						904.89			
MASS DRY SOIL + TARE (g)						850.32			
MASS OF WATER (g)						54.57			
MASS OF CONTAINER (g)						338.95			
MASS OF DRY SOIL (g)						511.37			
WATER CONTENT W (%)						10.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



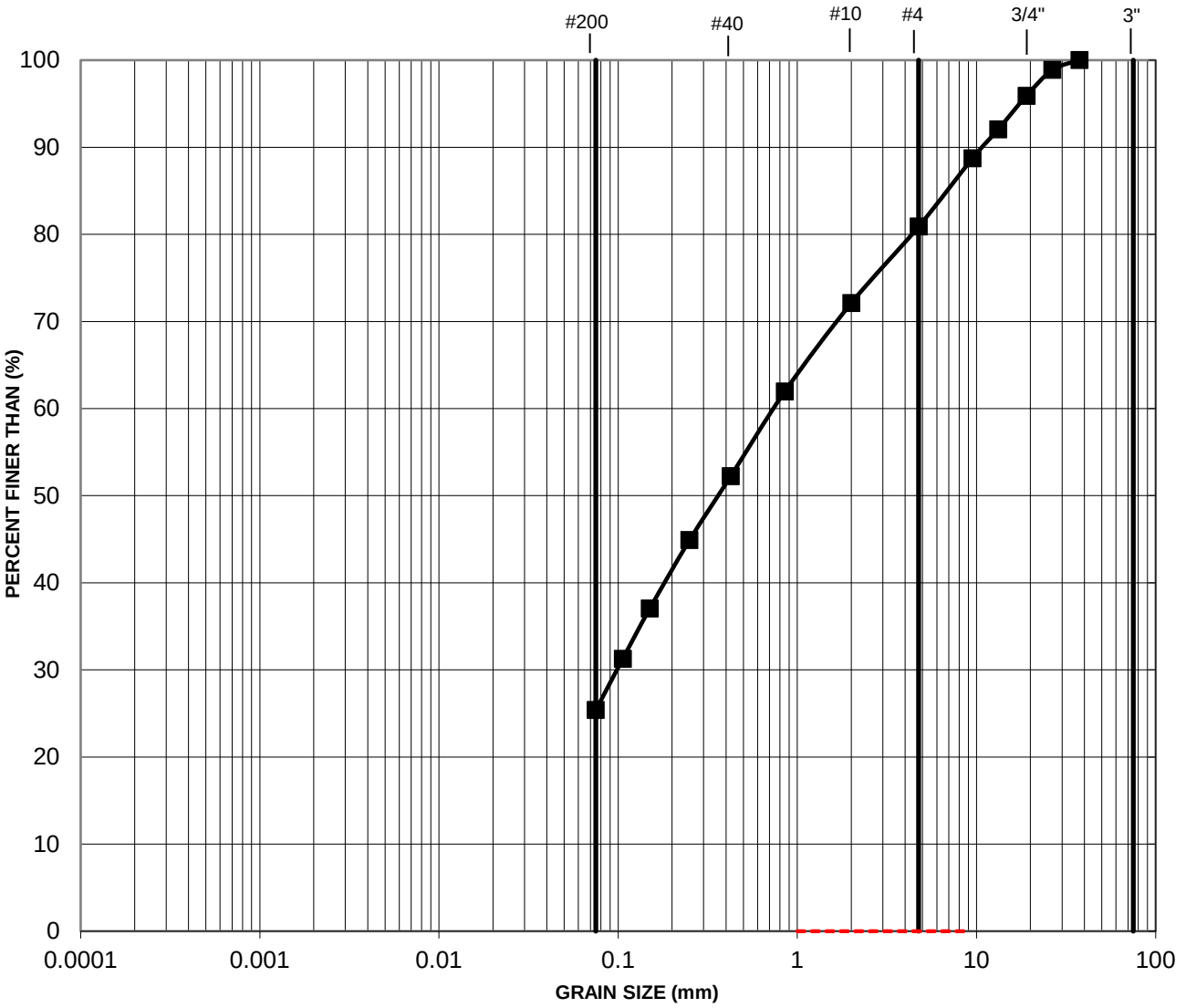
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 16	168433	26.2m - 26.5m

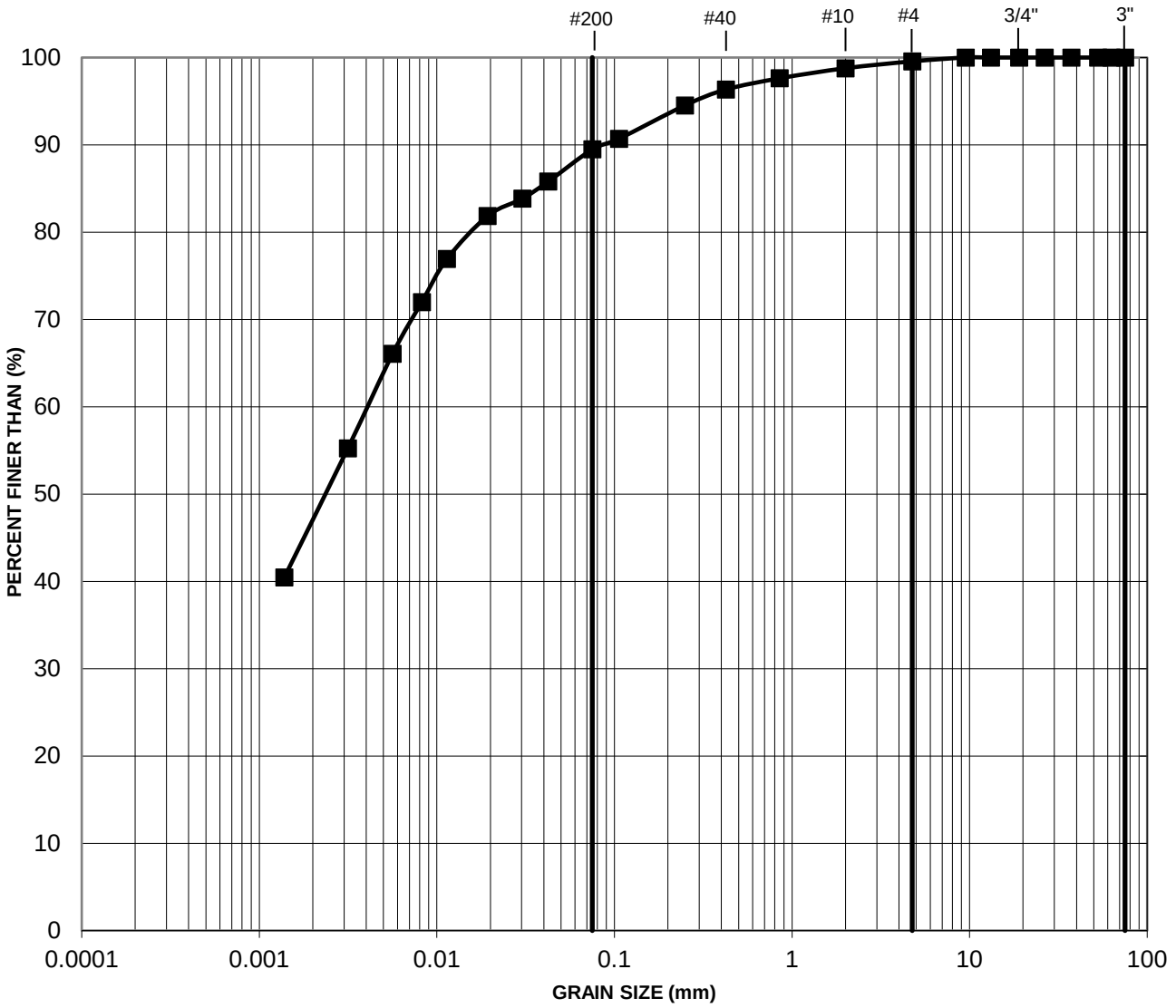
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 32	167413	7.6m - 7.9m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

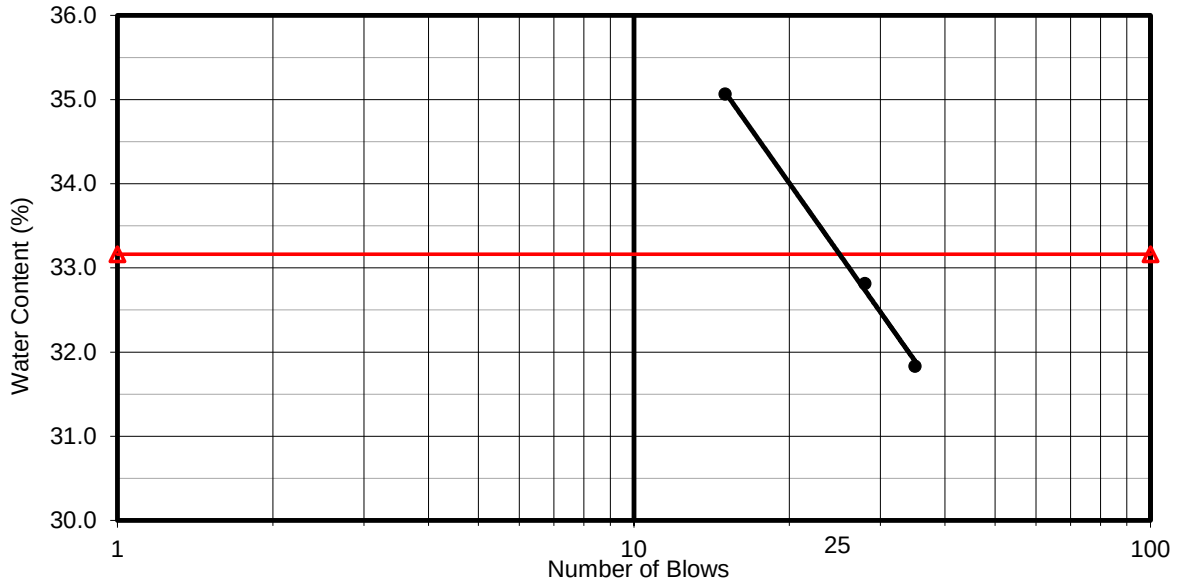
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G473**
Borehole:	**SRK22 TSF BH 32**
Sample Number:	**167413**
Depth of Sample:	**7.6m - 7.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	8	18	20m			X	ab16	r8	
NUMBER OF BLOWS	35	28	15			X	X	X	X
MASS WET SOIL + TARE (g)	18.94	18.35	18.14			608.76	24.97	25.33	
MASS DRY SOIL + TARE (g)	16.11	15.60	15.31			546.10	23.16	23.53	
MASS OF WATER (g)	2.83	2.75	2.83			62.66	1.81	1.80	
MASS OF CONTAINER (g)	7.22	7.22	7.24			345.11	13.55	13.74	
MASS OF DRY SOIL (g)	8.89	8.38	8.07			200.99	9.61	9.79	
WATER CONTENT W (%)	31.8	32.8	35.1			31.2	18.8	18.4	

LIQUID LIMIT (%)	**33.2**
PLASTIC LIMIT (%)	**18.6**
PLASTICITY INDEX (%)	**14.6**
W NATURAL (%)	**31.2**
LIQUIDITY INDEX	**0.86**

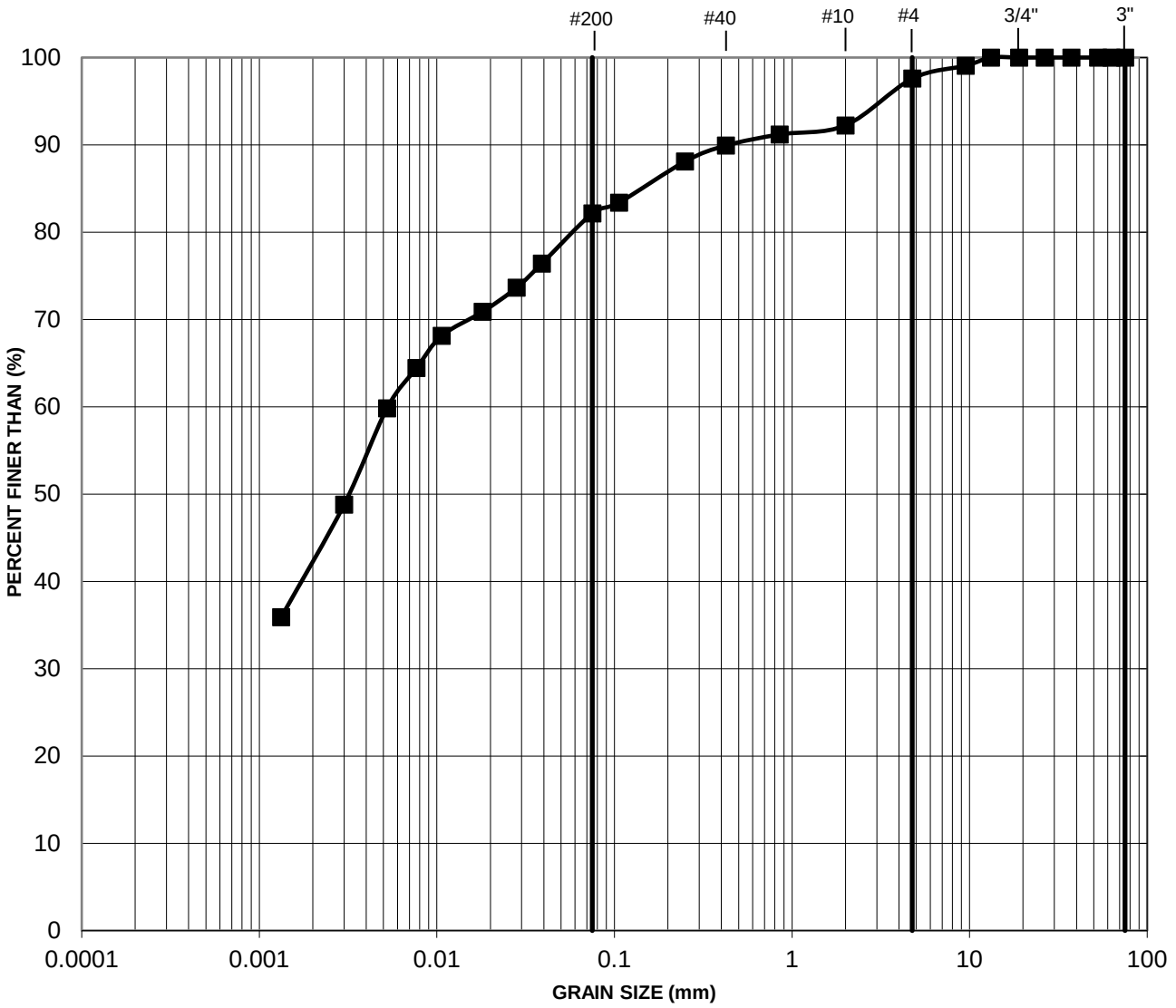


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 32	167414	10.7m - 11m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

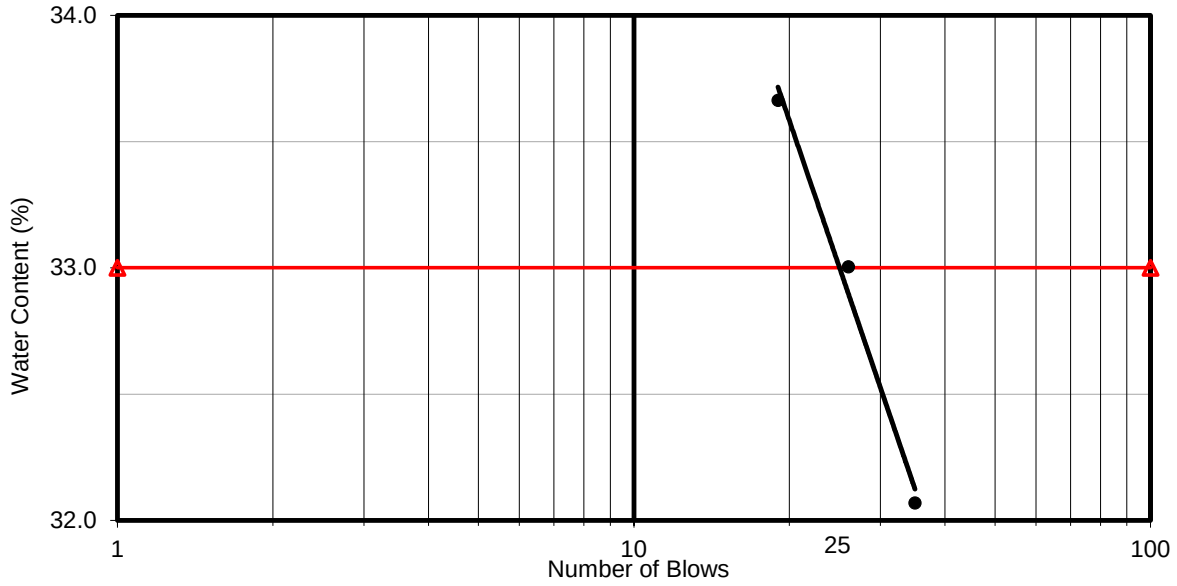
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G474**
Borehole:	**SRK22 TSF BH 32**
Sample Number:	**167414**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	3L	R6	9m			**X**	R1	R22	
NUMBER OF BLOWS	35	26	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	19.45	18.06	19.38			903.33	25.94	26.10	
MASS DRY SOIL + TARE (g)	16.49	15.38	16.33			776.53	24.18	24.43	
MASS OF WATER (g)	2.96	2.68	3.05			126.80	1.76	1.67	
MASS OF CONTAINER (g)	7.26	7.26	7.27			326.51	13.97	14.43	
MASS OF DRY SOIL (g)	9.23	8.12	9.06			450.02	10.21	10.00	
WATER CONTENT W (%)	32.1	33.0	33.7			28.2	17.2	16.7	

LIQUID LIMIT (%)	**33.0**
PLASTIC LIMIT (%)	**17.0**
PLASTICITY INDEX (%)	**16.0**
W NATURAL (%)	**28.2**
LIQUIDITY INDEX	**0.70**

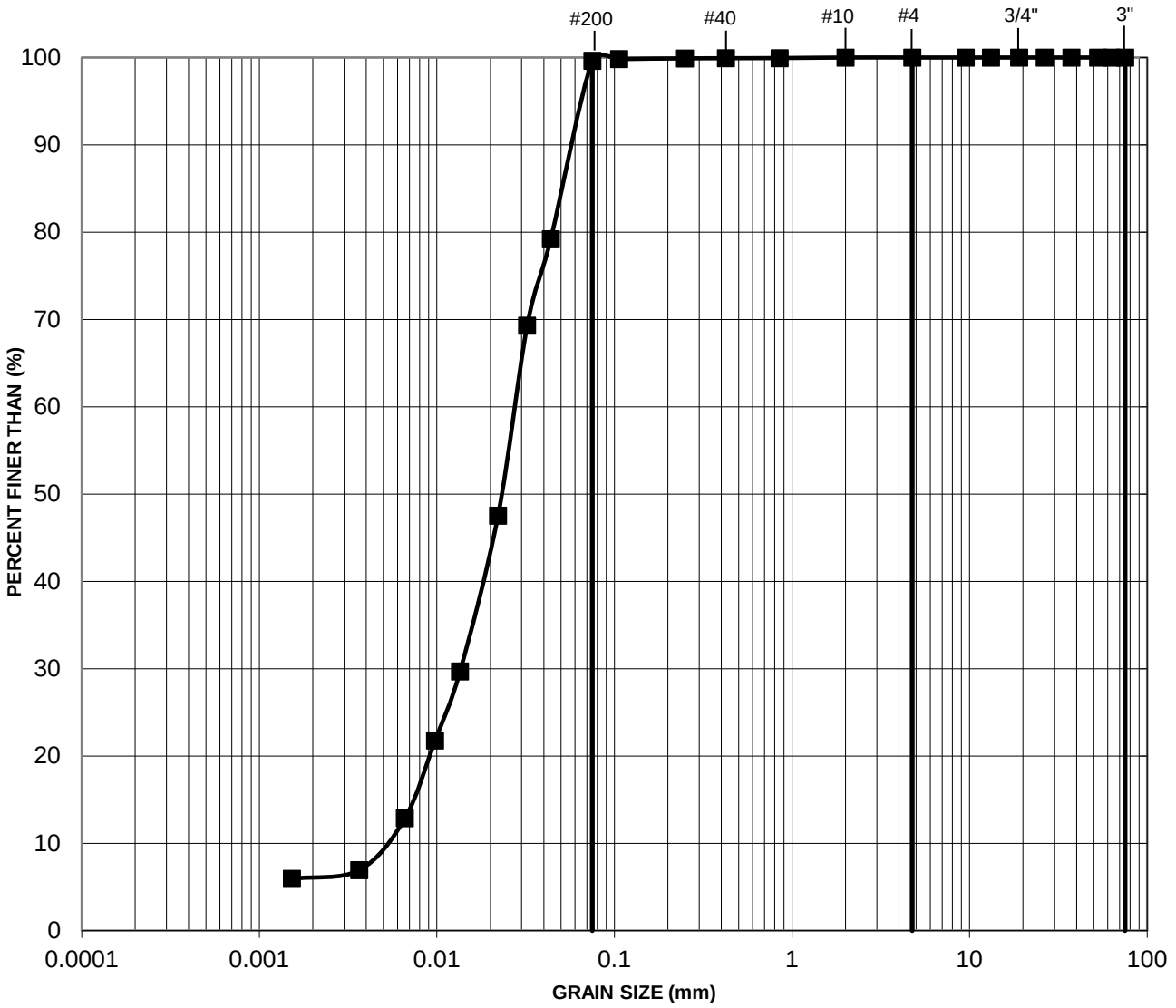


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 32	167416	22.9m - 23.2m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

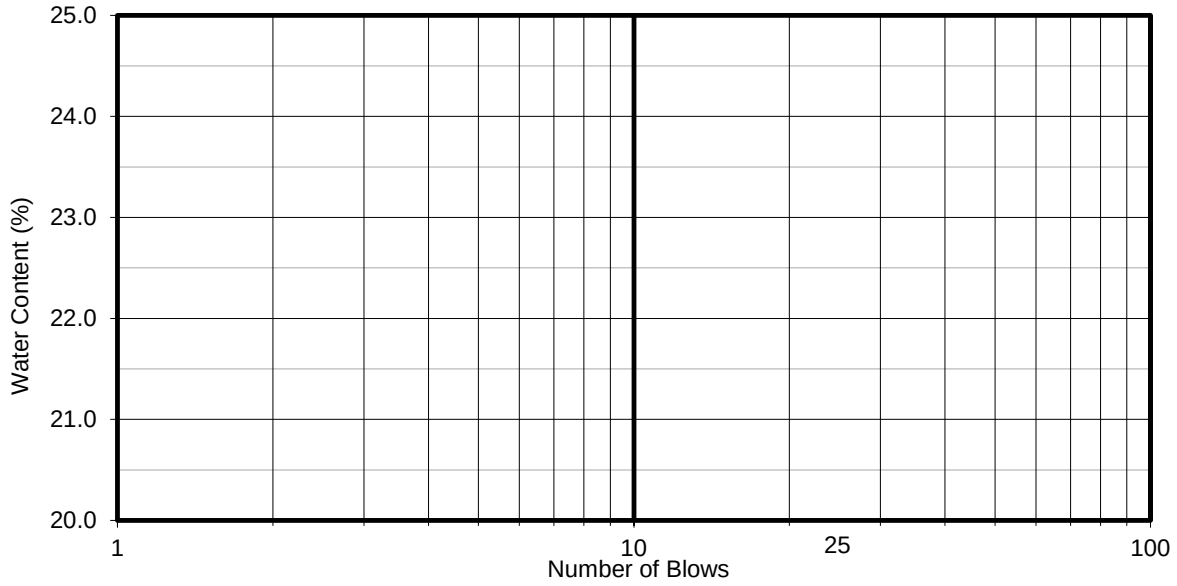
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G475**
Borehole:	**SRK22 TSF BH 32**
Sample Number:	**167416**
Depth of Sample:	**22.9m - 23.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						614.90			
MASS DRY SOIL + TARE (g)						566.77			
MASS OF WATER (g)						48.13			
MASS OF CONTAINER (g)						325.19			
MASS OF DRY SOIL (g)						241.58			
WATER CONTENT W (%)						19.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

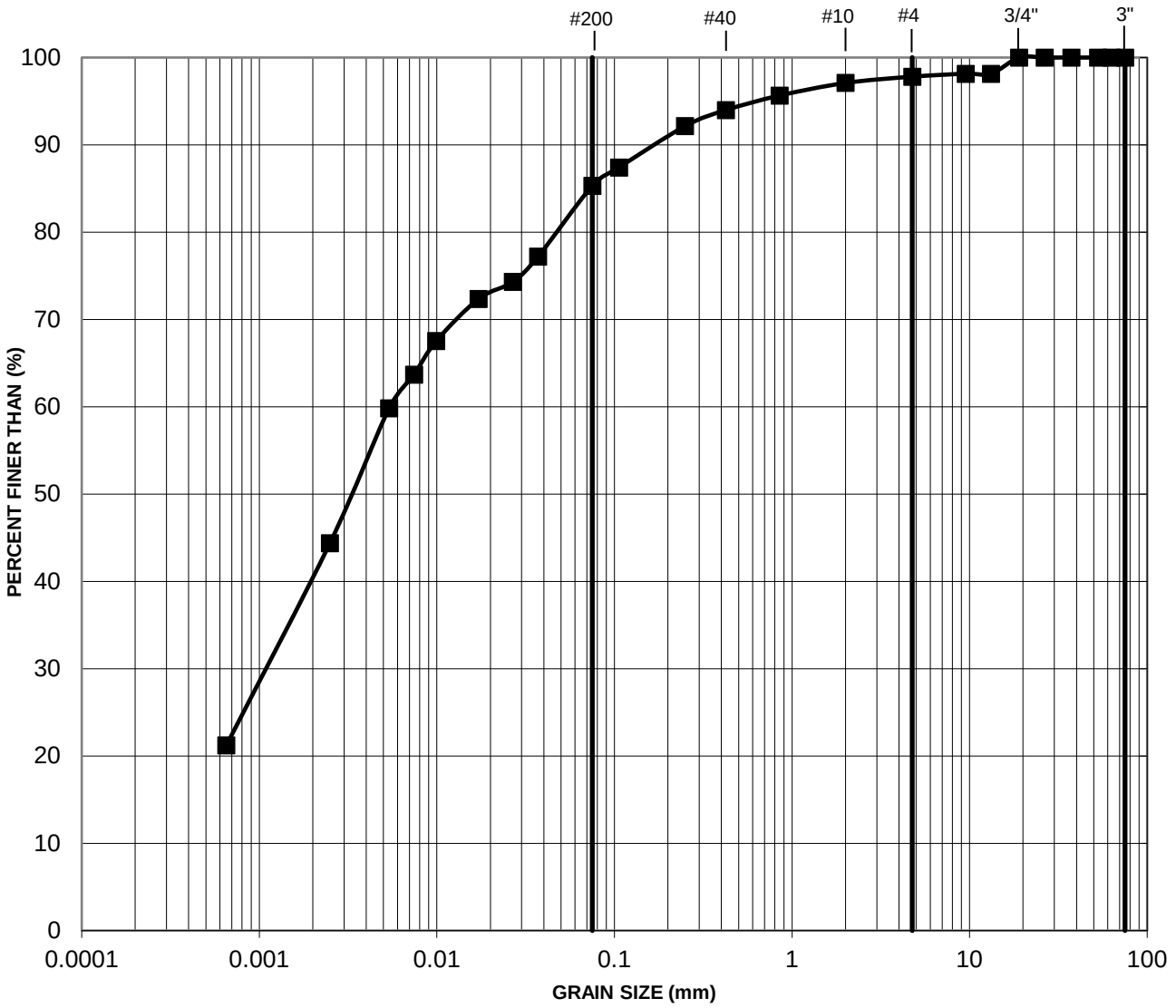


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 34	167424	11.3m - 11.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

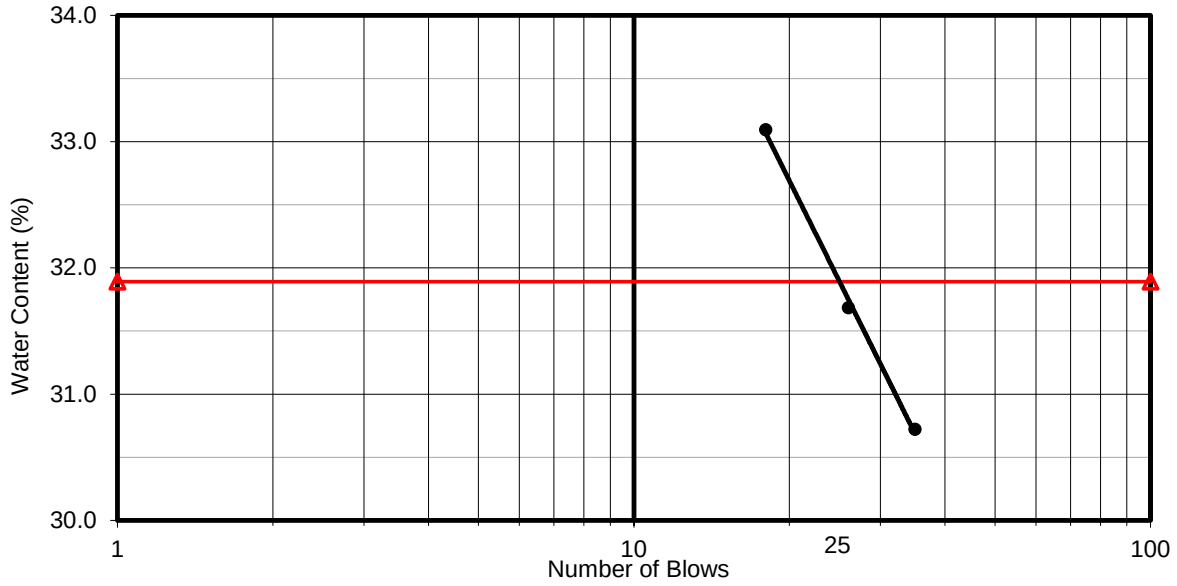
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G476**
Borehole:	**SRK22 TSF BH 34**
Sample Number:	**167424**
Depth of Sample:	**11.3m - 11.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	14	49	76			X	31	89	
NUMBER OF BLOWS	35	26	18			X	X	X	X
MASS WET SOIL + TARE (g)	22.16	22.01	22.19			866.54	33.08	33.08	
MASS DRY SOIL + TARE (g)	19.57	19.38	19.42			760.03	31.30	31.29	
MASS OF WATER (g)	2.59	2.63	2.77			106.51	1.78	1.79	
MASS OF CONTAINER (g)	11.14	11.08	11.05			324.97	21.22	21.02	
MASS OF DRY SOIL (g)	8.43	8.30	8.37			435.06	10.08	10.27	
WATER CONTENT W (%)	30.7	31.7	33.1			24.5	17.7	17.4	

LIQUID LIMIT (%)	**31.9**
PLASTIC LIMIT (%)	**17.5**
PLASTICITY INDEX (%)	**14.3**
W NATURAL (%)	**24.5**
LIQUIDITY INDEX	**0.48**

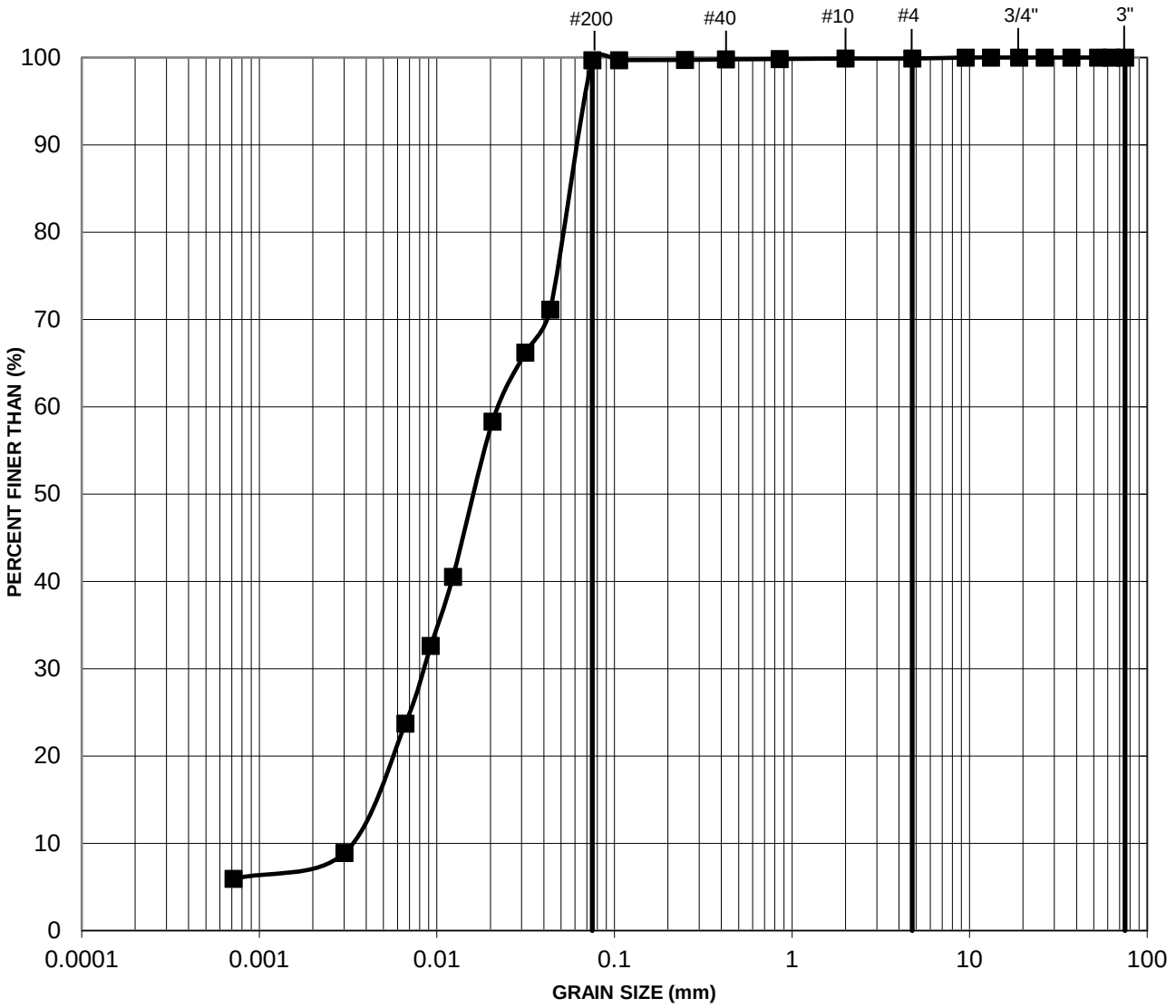


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 34	167425	14.3m - 14.6m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

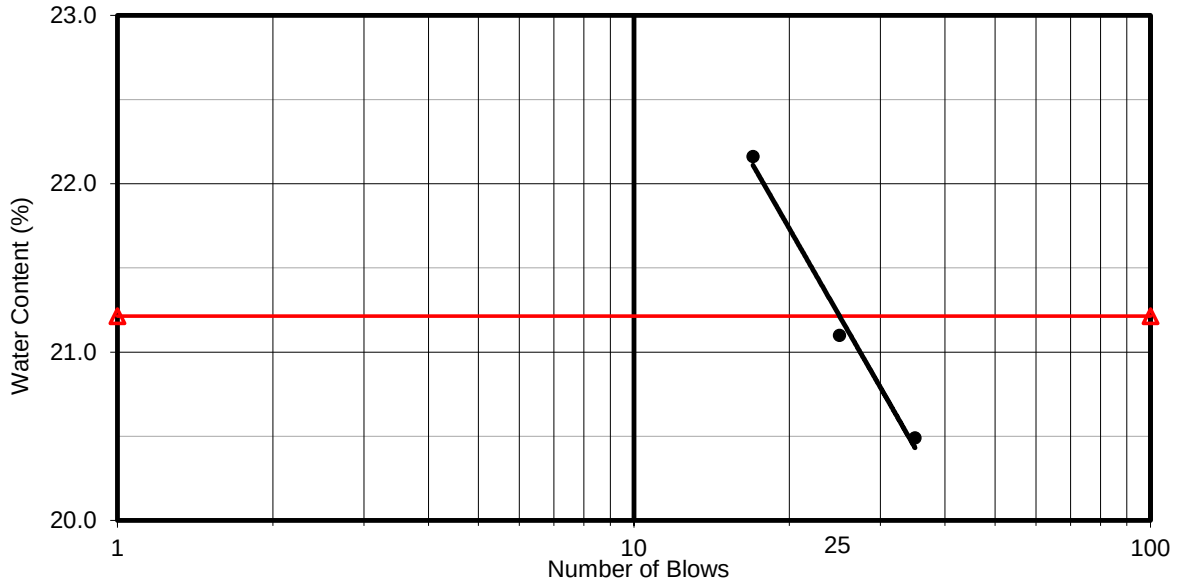
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G477**
Borehole:	**SRK22 TSF BH 34**
Sample Number:	**167425**
Depth of Sample:	**14.3m - 14.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	37	47	403			**X**	r12	r13	
NUMBER OF BLOWS	25	17	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	22.91	22.58	22.73			605.87	26.38	26.17	
MASS DRY SOIL + TARE (g)	20.84	20.51	20.73			556.99	24.54	24.35	
MASS OF WATER (g)	2.07	2.07	2.00			48.88	1.84	1.82	
MASS OF CONTAINER (g)	11.03	11.17	10.97			308.98	14.48	14.21	
MASS OF DRY SOIL (g)	9.81	9.34	9.76			248.01	10.06	10.14	
WATER CONTENT W (%)	21.1	22.2	20.5			19.7	18.3	17.9	

LIQUID LIMIT (%)	**21.2**
PLASTIC LIMIT (%)	**18.1**
PLASTICITY INDEX (%)	**3.1**
W NATURAL (%)	**19.7**
LIQUIDITY INDEX	**0.51**



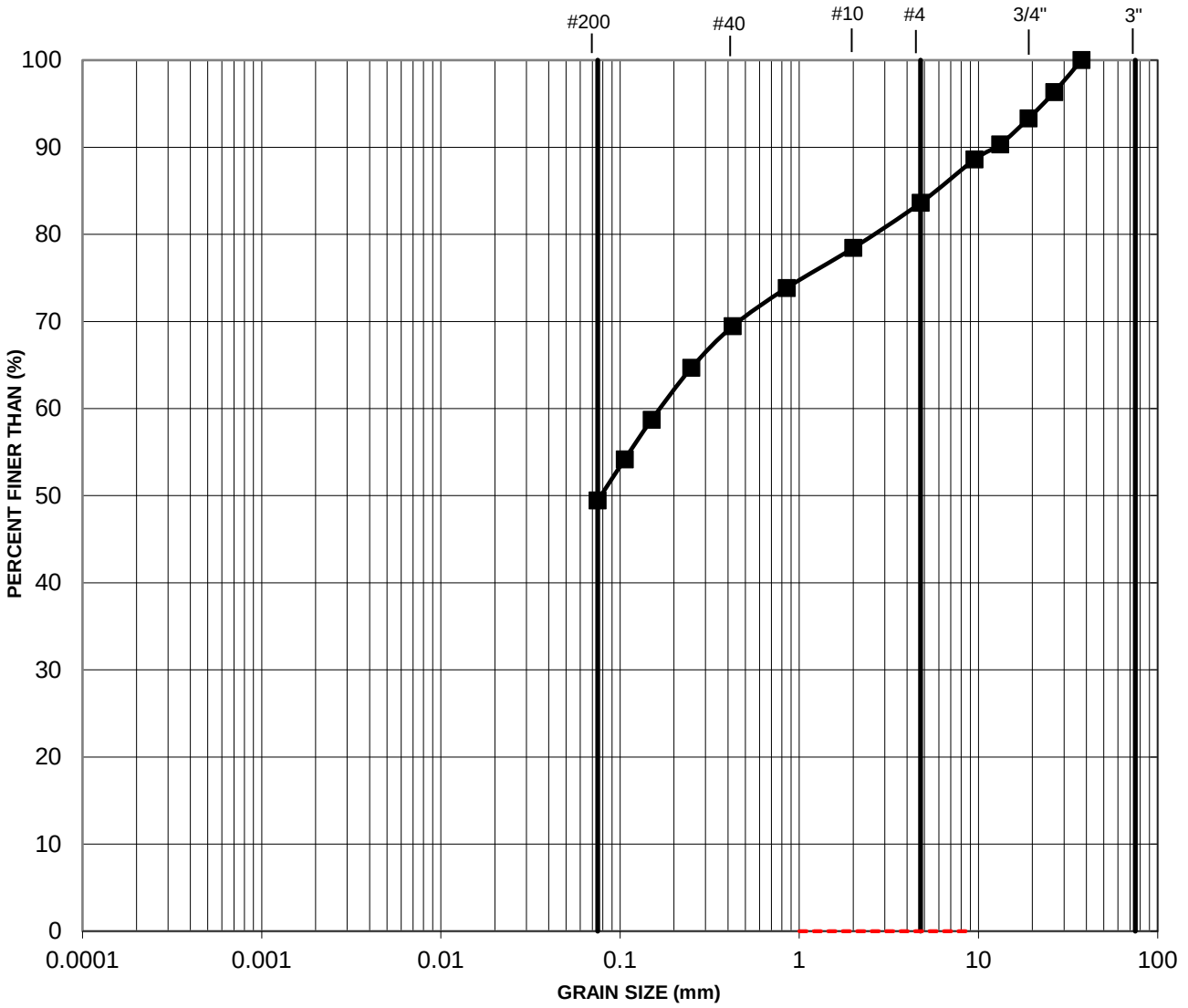
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22 TSF BH 34	167427	22.3m - 22.6m

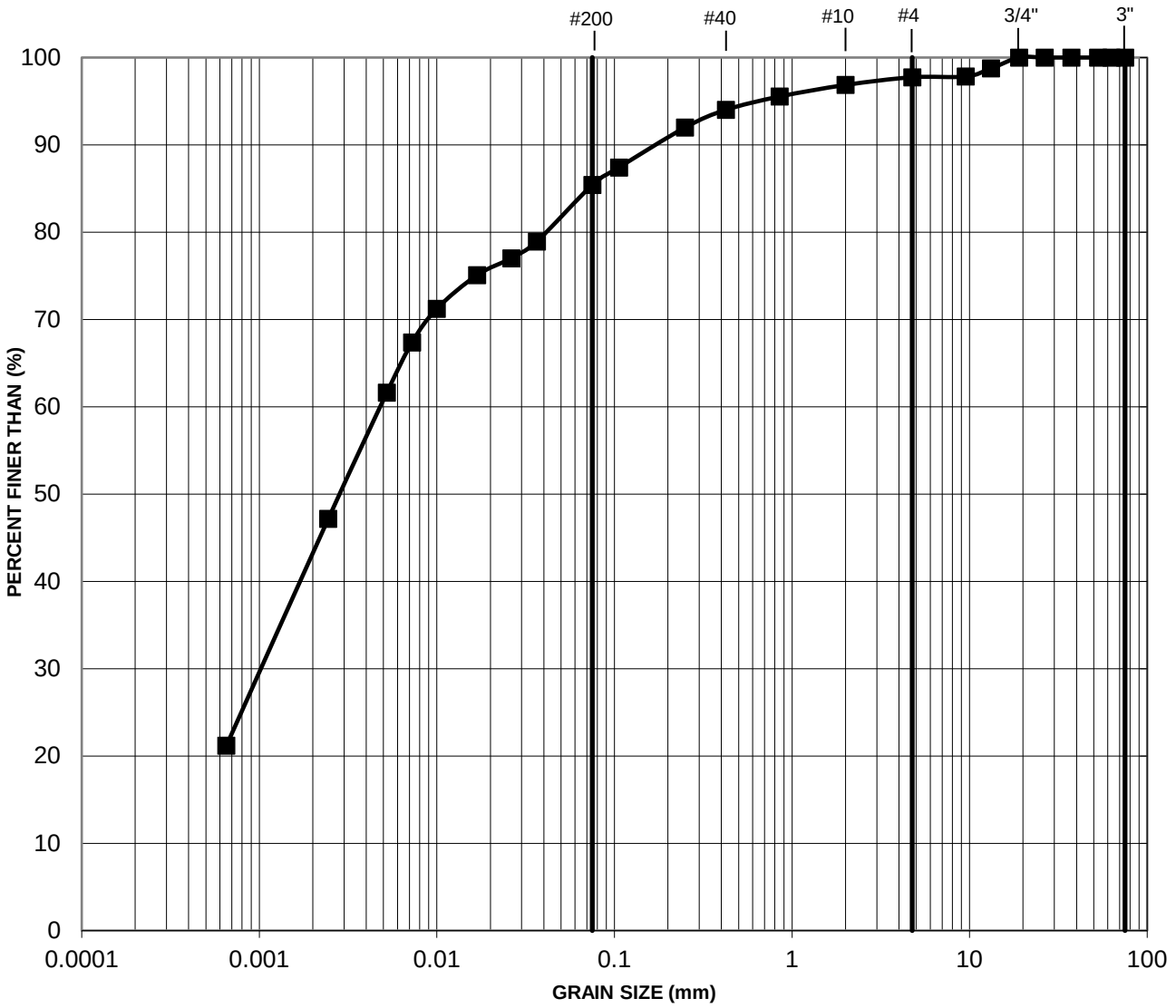
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 30	167437	4.3m - 4.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

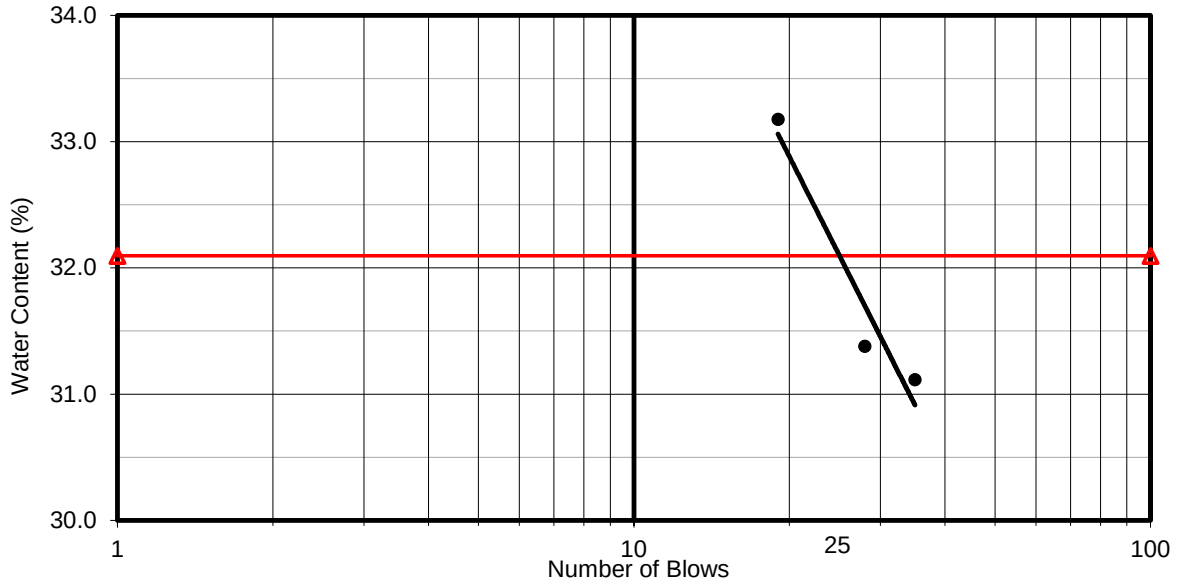
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G479**
Borehole:	**SRK22 TSF BH 30**
Sample Number:	**167437**
Depth of Sample:	**4.3m - 4.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	32	89	91			**X**	39	63	
NUMBER OF BLOWS	35	19	28			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	22.47	22.28	22.46			890.38	32.67	33.07	
MASS DRY SOIL + TARE (g)	19.71	19.45	19.73			772.52	30.95	31.34	
MASS OF WATER (g)	2.76	2.83	2.73			117.86	1.72	1.73	
MASS OF CONTAINER (g)	10.84	10.92	11.03			346.08	20.98	21.32	
MASS OF DRY SOIL (g)	8.87	8.53	8.70			426.44	9.97	10.02	
WATER CONTENT W (%)	31.1	33.2	31.4			27.6	17.3	17.3	

LIQUID LIMIT (%)	**32.1**
PLASTIC LIMIT (%)	**17.3**
PLASTICITY INDEX (%)	**14.8**
W NATURAL (%)	**27.6**
LIQUIDITY INDEX	**0.70**

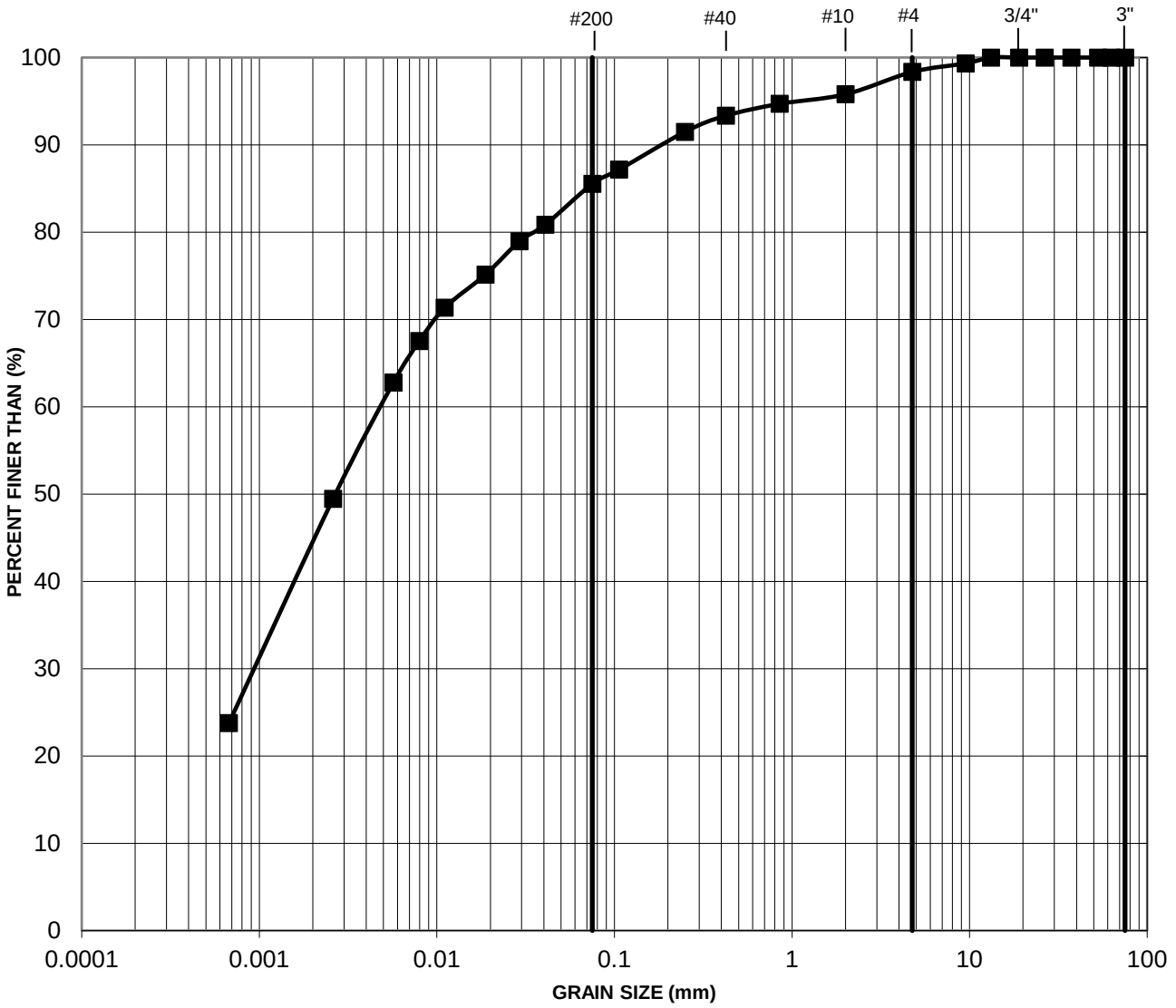


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 30	167439	8.2m - 8.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

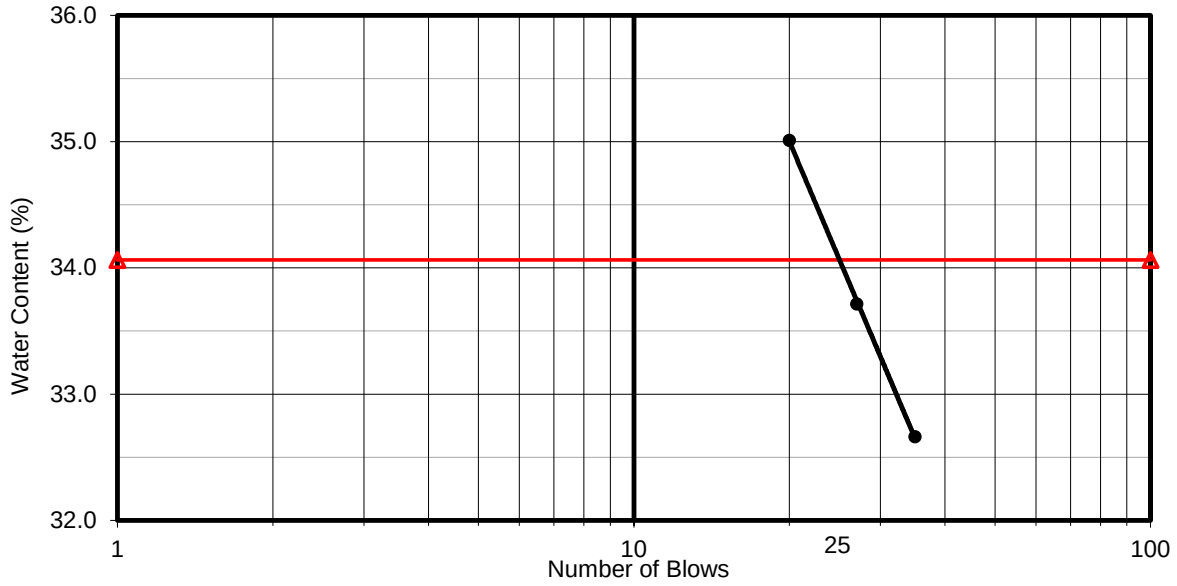
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G480**
Borehole:	**SRK22 TSF BH 30**
Sample Number:	**167439**
Depth of Sample:	**8.2m - 8.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7m	16L	8m			**X**	xxx	MR5	
NUMBER OF BLOWS	35	27	20			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.81	17.75	19.60			824.52	25.87	25.52	
MASS DRY SOIL + TARE (g)	15.21	15.11	16.40			712.77	24.04	23.76	
MASS OF WATER (g)	2.60	2.64	3.20			111.75	1.83	1.76	
MASS OF CONTAINER (g)	7.25	7.28	7.26			304.48	13.83	13.50	
MASS OF DRY SOIL (g)	7.96	7.83	9.14			408.29	10.21	10.26	
WATER CONTENT W (%)	32.7	33.7	35.0			27.4	17.9	17.2	

LIQUID LIMIT (%)	**34.1**
PLASTIC LIMIT (%)	**17.5**
PLASTICITY INDEX (%)	**16.5**
W NATURAL (%)	**27.4**
LIQUIDITY INDEX	**0.59**

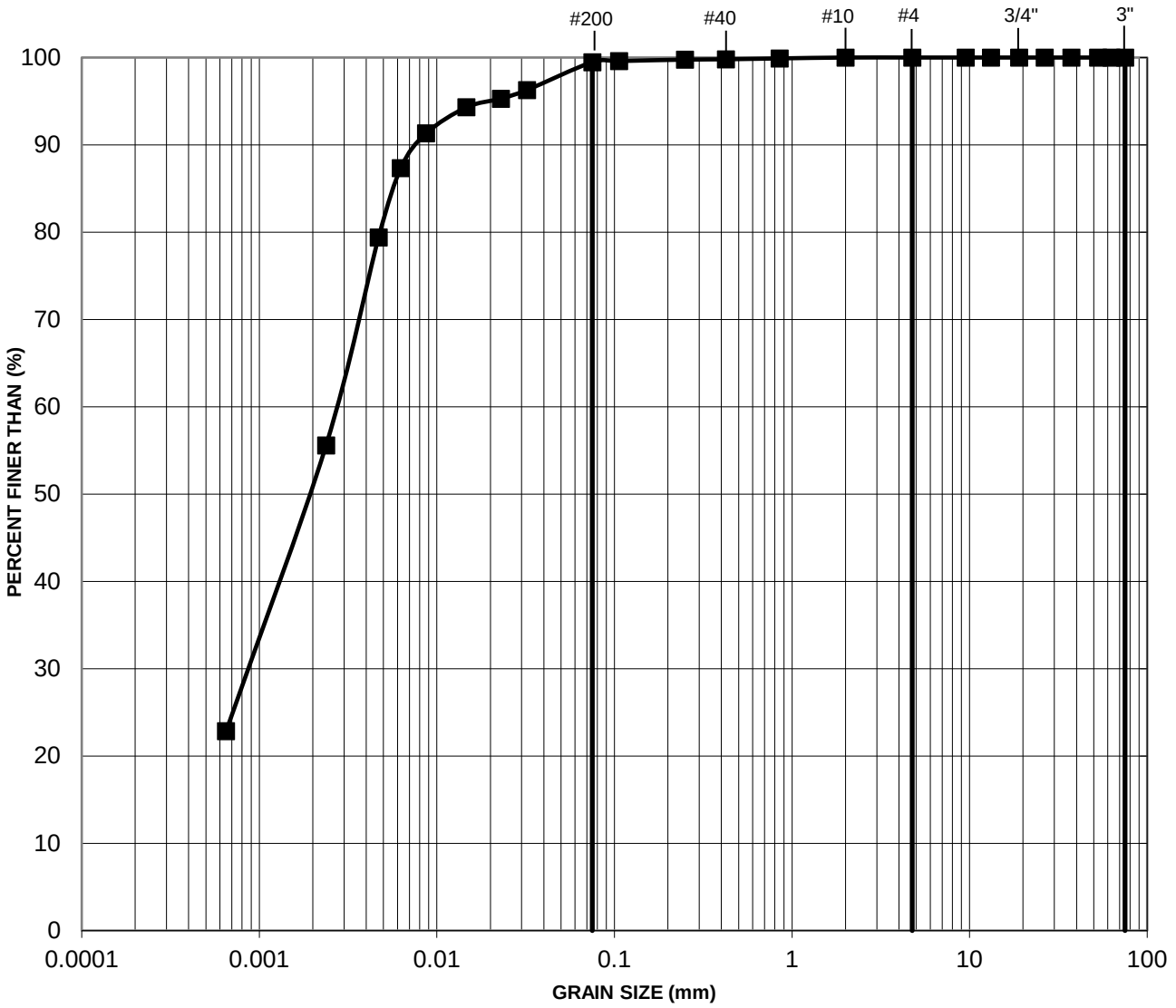


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 30	167441	15.8m - 16.2m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

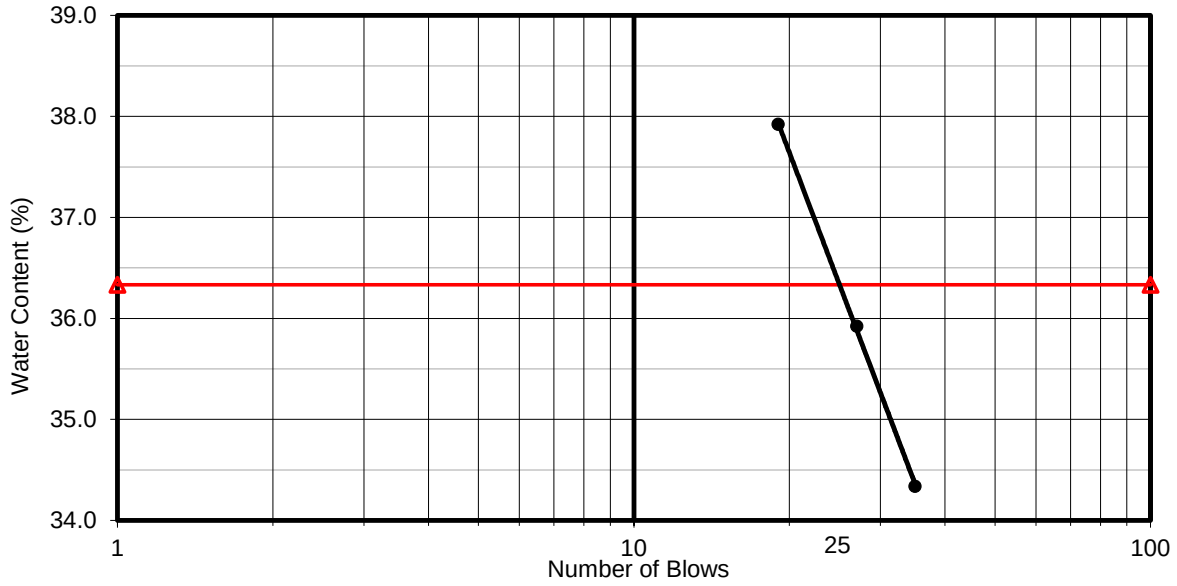
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G481**
Borehole:	**SRK22 TSF BH 30**
Sample Number:	**167441**
Depth of Sample:	**15.8m - 16.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	10	41	19			X	y	mr96	
NUMBER OF BLOWS	35	27	19			X	X	X	X
MASS WET SOIL + TARE (g)	21.59	23.08	22.00			587.01	25.53	25.57	
MASS DRY SOIL + TARE (g)	18.86	19.89	18.97			515.58	23.58	23.56	
MASS OF WATER (g)	2.73	3.19	3.03			71.43	1.95	2.01	
MASS OF CONTAINER (g)	10.91	11.01	10.98			308.47	14.16	14.10	
MASS OF DRY SOIL (g)	7.95	8.88	7.99			207.11	9.42	9.46	
WATER CONTENT W (%)	34.3	35.9	37.9			34.5	20.7	21.2	

LIQUID LIMIT (%)	**36.3**
PLASTIC LIMIT (%)	**21.0**
PLASTICITY INDEX (%)	**15.4**
W NATURAL (%)	**34.5**
LIQUIDITY INDEX	**0.88**



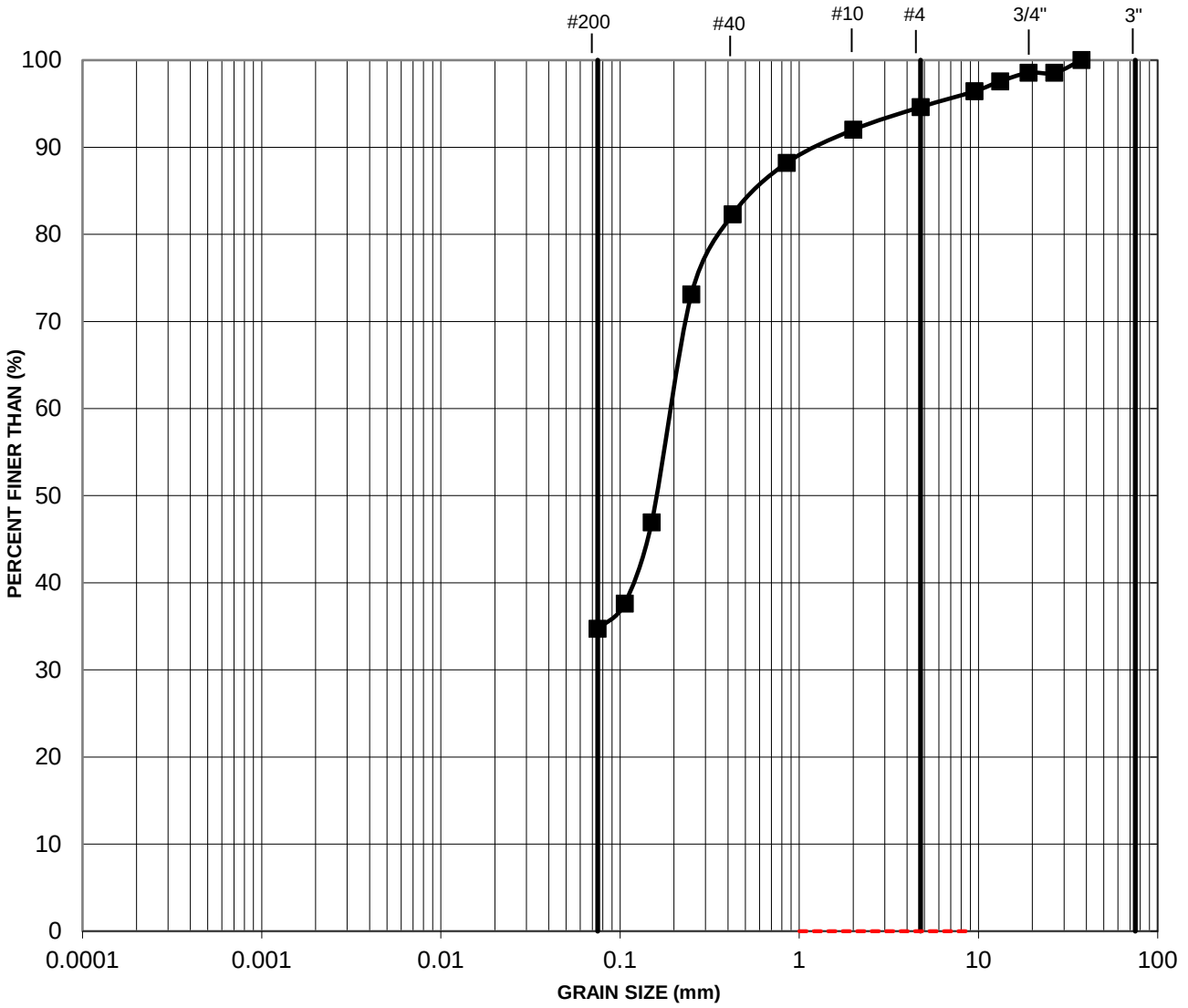
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH 30	167443	22.9m - 23.2m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

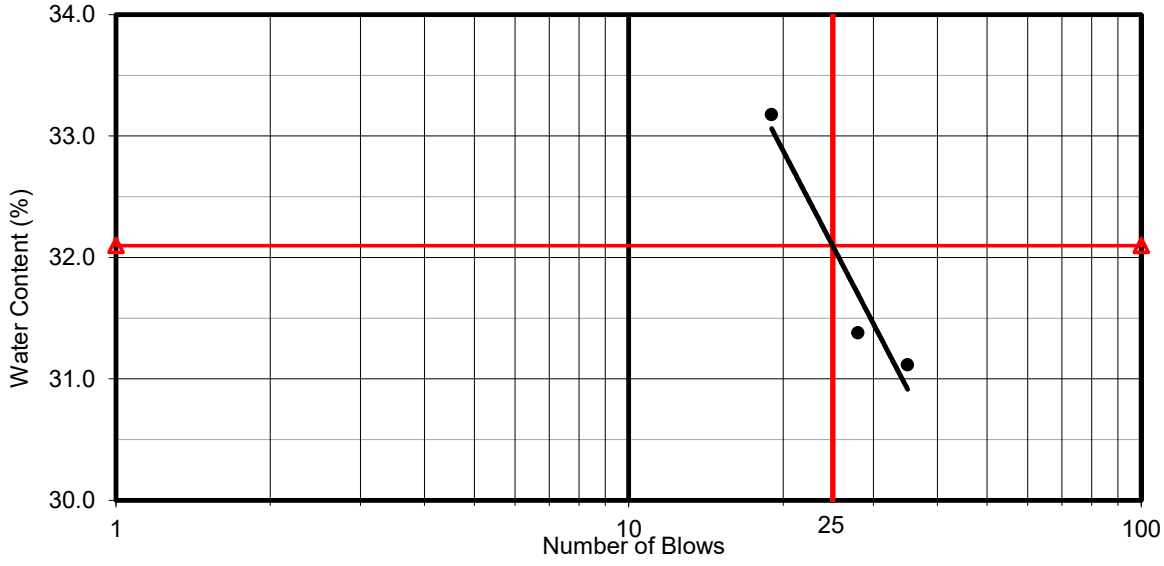
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G479**
Borehole:	**SRK22-TSF-BH-30**
Sample Number:	**167437**
Depth of Sample:	**4.3m - 4.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	32	89	91			X	39	63	
NUMBER OF BLOWS	35	19	28			X	X	X	X
MASS WET SOIL + TARE (g)	22.47	22.28	22.46			890.38	32.67	33.07	
MASS DRY SOIL + TARE (g)	19.71	19.45	19.73			772.52	30.95	31.34	
MASS OF WATER (g)	2.76	2.83	2.73			117.86	1.72	1.73	
MASS OF CONTAINER (g)	10.84	10.92	11.03			346.08	20.98	21.32	
MASS OF DRY SOIL (g)	8.87	8.53	8.70			426.44	9.97	10.02	
WATER CONTENT W (%)	31.1	33.2	31.4			27.6	17.3	17.3	

LIQUID LIMIT (%)	**32.1**
PLASTIC LIMIT (%)	**17.3**
PLASTICITY INDEX (%)	**14.8**
W NATURAL (%)	**27.6**
LIQUIDITY INDEX	**0.70**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21473972-13000
Project Name:	CDN Nickel/Geotech WB WQ Supp
Client:	Canada Nickel Company
Org:	1701
Scheduled By:	Michael Etezad
Date Scheduled:	May 9, 2022
Due Date:	May 31, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G412

Test Totals:	54	-	38	16	38	1	-	-	-	1				

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK22 TSF BH04	167004	4.6	4.9	1		1		1						G413
SRK22 TSF BH04	167006	8.2	8.5	1			1							G414
SRK22 TSF BH15	167008	3	3.4	1		1		1						G415
SRK22 TSF BH15	167012	12.8	13.1	1			1							G416
SRK22 TSF BH15	167019	22.3	22.6	1			1							G417
SRK22 TSF BH15	167021	26.8	27.4	1			1							G418
SRK22 TSF BH15	167023	38.1	38.4	1		1		1						G419
SRK22 TSF BH15	167030	64.9	65.2	1		1		1						G420
SRK22 TSF BH05	167035	7.3	7.6	1		1		1						G421
SRK22 TSF BH05	167039	16.8	17.4	1			1							G422
SRK22 TSF BH05	167042	32	32.3	1			1							G423
SRK22 TSF BH25	167048	4.9	5.5	1		1		1					1	G424
SRK22 TSF BH25	167454	16.2	17.7	1		1		1						G425
SRK22 TSF BH25	167455	19.2	20.7	1		1		1						G426
SRK22 TSF BH25	165458	26.2	26.5	1		1		1						G427
SRK22 TSF BH25	167464	39.3	39.6	1		1		1						G428
SRK22 TSF BH25	167472	57.9	58.2	1			1							G429
SRK22 TSF BH25	167475	64	64.6	1		1		1						G430
SRK22 TSF BH25	167479	73.2	73.8	1		1		1						G431
SRK22 TSF BH27	167486	7.3	7.6	1		1		1	sample not found					G432
SRK22 TSF BH27	167490	15.8	16	1		1		1						G433
SRK22 TSF BH27	167492	20.1	20.4	1		1		1						G434
SRK22 TSF BH27	167493	23.2	23.5	1		1		1						G435
SRK22 TSF BH27	167496	29.3	29.6	1			1							G436
SRK22 TSF BH11	167704	4.6	4.9	1		1		1						G437
SRK22 TSF BH11	167706	7.3	7.6	1			1							G438

GOLDER

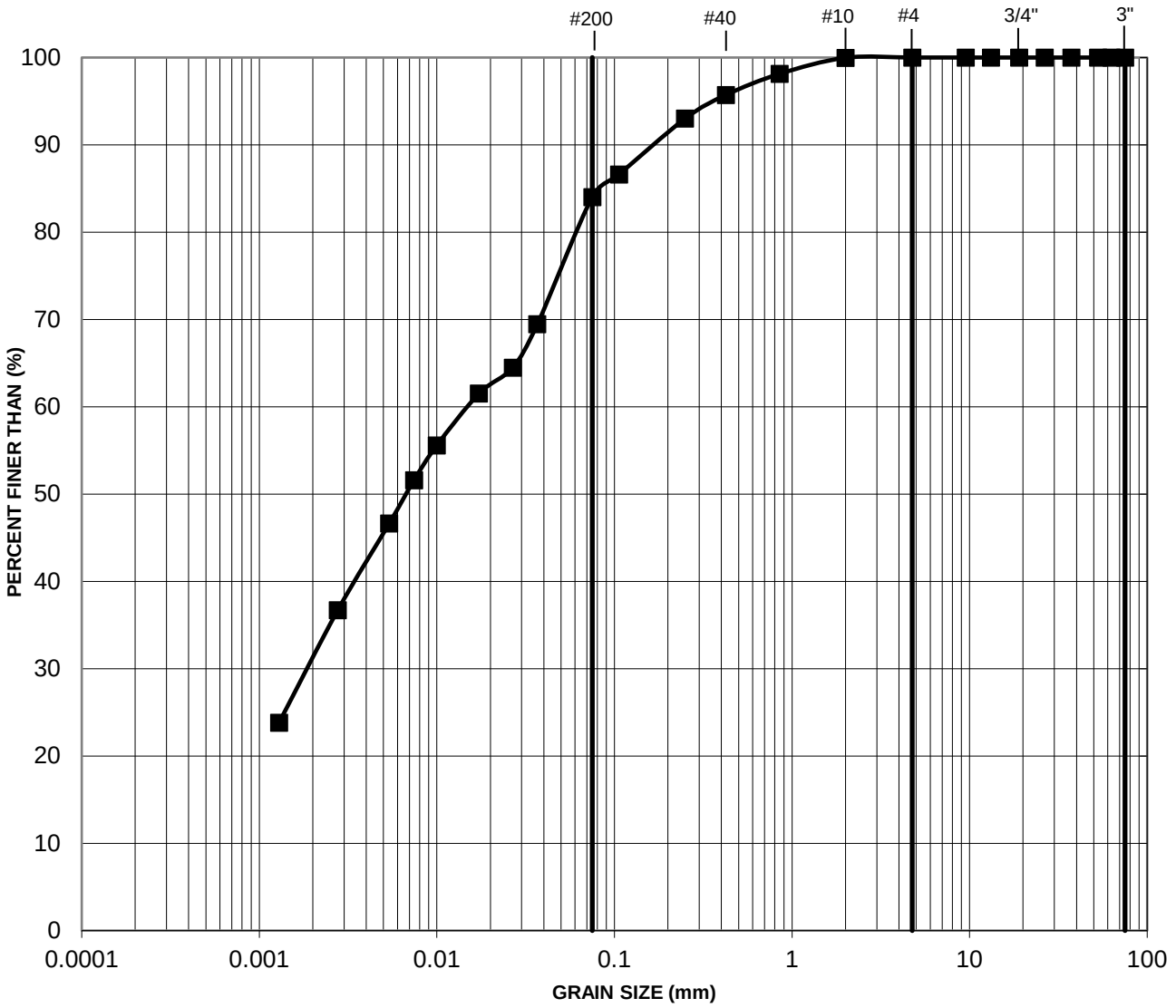
Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK22 TSF BH11	167716	33.5	33.8	1			1							G439
SRK22 TSF BH23	167305	5.5	5.7	1		1		1						G440
SRK22 TSF BH23	167307	8.2	8.4	1		1		1						G441
SRK22 TSF BH23	167308	10.4	10.7	1		1		1						G442
SRK22 TSF BH23	167311	19.5	19.8	1		1		1						G443
SRK22 TSF BH23	167313	21.3	21.6	1			1							G444
SRK22 TSF BH23	167318	27.4	27.7	1			1							G445
SRK22 TSF BH06	167324	5.2	5.5	1		1		1						G446
SRK22 TSF BH06	167327	10.7	11	1		1		1						G447
SRK22 TSF BH06	167331	19.8	20.1	1		1		1						G448
SRK22 TSF BH06	167335	29.6	29.9	1			1							G449
SRK22 TSF BH28	168222	7	7.3	1		1		1						G450
SRK22 TSF BH28	168226	15.5	15.8	1		1		1						G451
SRK22 TSF BH28	168228	27.7	28	1		1		1						G452
SRK22 TSF BH26	168235	7.3	7.6	1		1		1						G453
SRK22 TSF BH26	168237	10.7	11	1		1		1						G454
SRK22 TSF BH26	168239	15.2	15.5	1		1		1						G455
SRK22 TSF BH26	168242	26.5	26.8	1			1							G456
SRK22 TSF BH26	167053	47.5	47.9	1			1							G457
SRK22 TSF BH26	167054	48.2	48.5	1		1		1						G458
SRK22 TSF BH22	167089	10.7	11	1		1		1						G459
SRK22 TSF BH22	167092	18.6	18.9	1		1		1						G460
SRK22 TSF BH22	167095	24.7	25	1			1							G461
SRK22 TSF BH22	167096	28.7	29	1		1		1						G462
SRK22 TSF BH22	167740	36.7	37	1		1		1						G463
SRK22 TSF BH31	167748	11.6	11.9	1		1		1						G464
SRK22 TSF BH31	168403	21.6	21.9	1		1		1						G465
SRK22 TSF BH31	168407	31.2	31.5	1		1		1						G466

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Lab Water Content No.:	**G412**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK22 TSF BH04	167004	4.6m - 4.9m	20.8	27.9	15.6	12.3	0.4
SRK22 TSF BH04	167006	8.2m - 8.5m	19.8				
SRK22 TSF BH15	167008	3m - 3.4m	16.6	24.7	15.8	8.8	0.1
SRK22 TSF BH15	167012	12.8m - 13.1m	8.6				
SRK22 TSF BH15	167019	22.3m - 22.6m	20.0				
SRK22 TSF BH15	167021	26.8m - 27.4m	18.1				
SRK22 TSF BH15	167023	38.1m - 38.4m	7.5	18.3	11.2	7.1	-0.5
SRK22 TSF BH15	167030	64.9m - 65.2m	7.8	20.2	16.4	3.8	-2.3
SRK22 TSF BH05	167035	7.3m - 7.6m	23.3	28.3	15.6	12.7	0.6
SRK22 TSF BH05	167039	16.8m - 17.4m	16.4				
SRK22 TSF BH05	167042	32m - 32.3m	4.8				
SRK22 TSF BH25	167048	4.9m - 5.5m	21.0	26.5	14.7	11.8	0.5
SRK22 TSF BH25	167454	16.2m - 17.7m	22.3	31.8	22.9	8.9	-0.1
SRK22 TSF BH25	167455	19.2m - 20.7m	22.3	41.2	23.2	18.0	0.0
SRK22 TSF BH25	165458	26.2m - 26.5m	18.3	NP	NP	NP	NP
SRK22 TSF BH25	167464	39.3m - 39.6m	9.4	14.9	11.4	3.6	-0.6
SRK22 TSF BH25	167472	57.9m - 58.2m	11.8				
SRK22 TSF BH25	167475	64m - 64.6m	11.1	NP	NP	NP	NP
SRK22 TSF BH25	167479	73.2m - 73.8m	7.5	NP	NP	NP	NP
SRK22 TSF BH27	167486	7.3m - 7.6m	sample not found				
SRK22 TSF BH27	167490	15.8m - 16m	38.9	40.0	20.7	19.3	0.9
SRK22 TSF BH27	167492	20.1m - 20.4m	21.9	17.4	13.0	4.4	2.0
SRK22 TSF BH27	167493	23.2m - 23.5m	18.8	17.2	12.7	4.5	1.3
SRK22 TSF BH27	167496	29.3m - 29.6m	11.7				
SRK22 TSF BH11	167704	4.6m - 4.9m	19.8	27.0	14.3	12.7	0.4
SRK22 TSF BH11	167706	7.3m - 7.6m	11.3				
SRK22 TSF BH11	167716	33.5m - 33.8m	7.3				
SRK22 TSF BH23	167305	5.5m - 5.7m	20.7	25.6	15.0	10.7	0.5
SRK22 TSF BH23	167307	8.2m - 8.4m	27.0	35.8	19.7	16.1	0.5
SRK22 TSF BH23	167308	10.4m - 10.7m	8.4	NP	NP	NP	NP
SRK22 TSF BH23	167311	19.5m - 19.8m	24.9	42.9	23.9	18.9	0.1
SRK22 TSF BH23	167313	21.3m - 21.6m	16.3				
SRK22 TSF BH23	167318	27.4m - 27.7m	7.1				
SRK22 TSF BH06	167324	5.2m - 5.5m	21.5	26.4	13.4	13.1	0.6
SRK22 TSF BH06	167327	10.7m - 11m	9.2	18.5	14.3	4.2	-1.2
SRK22 TSF BH06	167331	19.8m - 20.1m	19.2	25.2	19.1	6.1	0.0
SRK22 TSF BH06	167335	29.6m - 29.9m	8.9				
SRK22 TSF BH28	168222	7m - 7.3m	33.6	36.3	18.6	17.8	0.8
SRK22 TSF BH28	168226	15.5m - 15.8m	30.9	39.8	20.2	19.6	0.5
SRK22 TSF BH28	168228	27.7m - 28m	20.3	18.9	17.0	1.9	1.8
SRK22 TSF BH26	168235	7.3m - 7.6m	27.0	30.8	16.7	14.0	0.7
SRK22 TSF BH26	168237	10.7m - 11m	42.8	42.3	22.3	20.1	1.0
SRK22 TSF BH26	168239	15.2m - 15.5m	17.0	19.6	14.6	5.0	0.5
SRK22 TSF BH26	168242	26.5m - 26.8m	17.2				
SRK22 TSF BH26	167053	47.5m - 47.9m	15.4				
SRK22 TSF BH26	167054	48.2m - 48.5m	11.4	23.9	20.4	3.5	-2.6
SRK22 TSF BH22	167089	10.7m - 11m	54.8	57.2	25.8	31.3	0.9
SRK22 TSF BH22	167092	18.6m - 18.9m	39.0	40.0	20.7	19.2	1.0
SRK22 TSF BH22	167095	24.7m - 25m	18.3				
SRK22 TSF BH22	167096	28.7m - 29m	10.2	14.3	12.5	1.8	-1.3
SRK22 TSF BH22	167740	36.7m - 37m	12.0	22.9	11.8	11.1	0.0
SRK22 TSF BH31	167748	11.6m - 11.9m	31.1	36.2	17.6	18.5	0.7
SRK22 TSF BH31	168403	21.6m - 21.9m	25.5	NP	NP	NP	NP
SRK22 TSF BH31	168407	31.2m - 31.5m	13.9	18.2	14.8	3.4	-0.3

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH04	167004	4.6m - 4.9m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

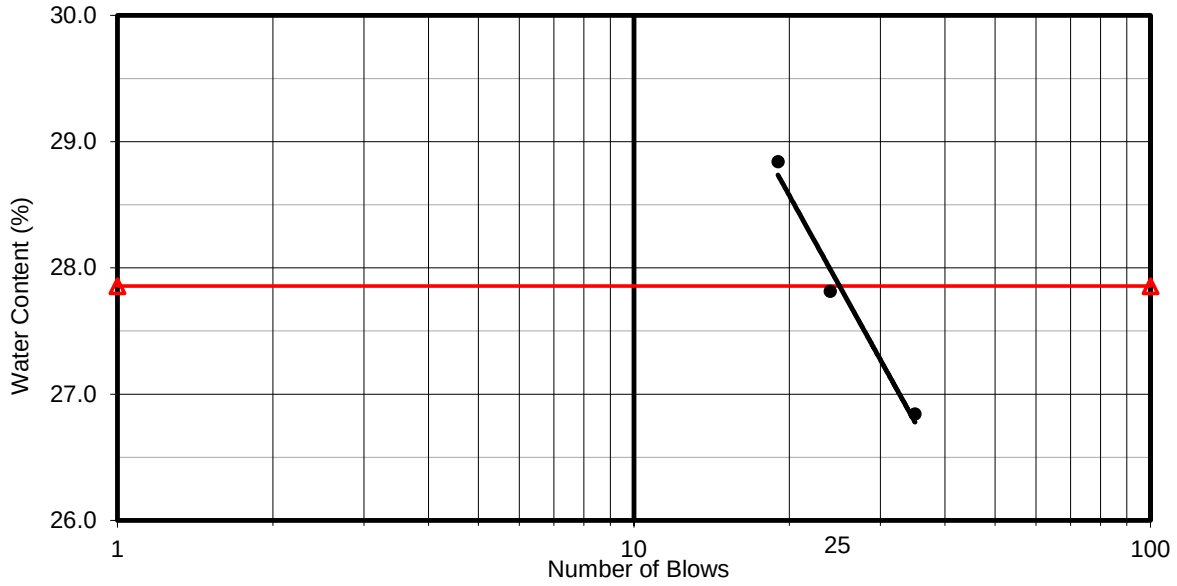
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G413**
Borehole:	**SRK22 TSF BH04**
Sample Number:	**167004**
Depth of Sample:	**4.6m - 4.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1	4	r9l			**X**	r2	mr14	
NUMBER OF BLOWS	35	19	24			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.68	17.45	18.42			764.14	26.63	26.71	
MASS DRY SOIL + TARE (g)	15.46	15.16	16.00			673.14	24.90	25.06	
MASS OF WATER (g)	2.22	2.29	2.42			91.00	1.73	1.65	
MASS OF CONTAINER (g)	7.19	7.22	7.30			234.76	13.92	14.33	
MASS OF DRY SOIL (g)	8.27	7.94	8.70			438.38	10.98	10.73	
WATER CONTENT W (%)	26.8	28.8	27.8			20.8	15.8	15.4	

LIQUID LIMIT (%)	**27.9**
PLASTIC LIMIT (%)	**15.6**
PLASTICITY INDEX (%)	**12.3**
W NATURAL (%)	**20.8**
LIQUIDITY INDEX	**0.42**



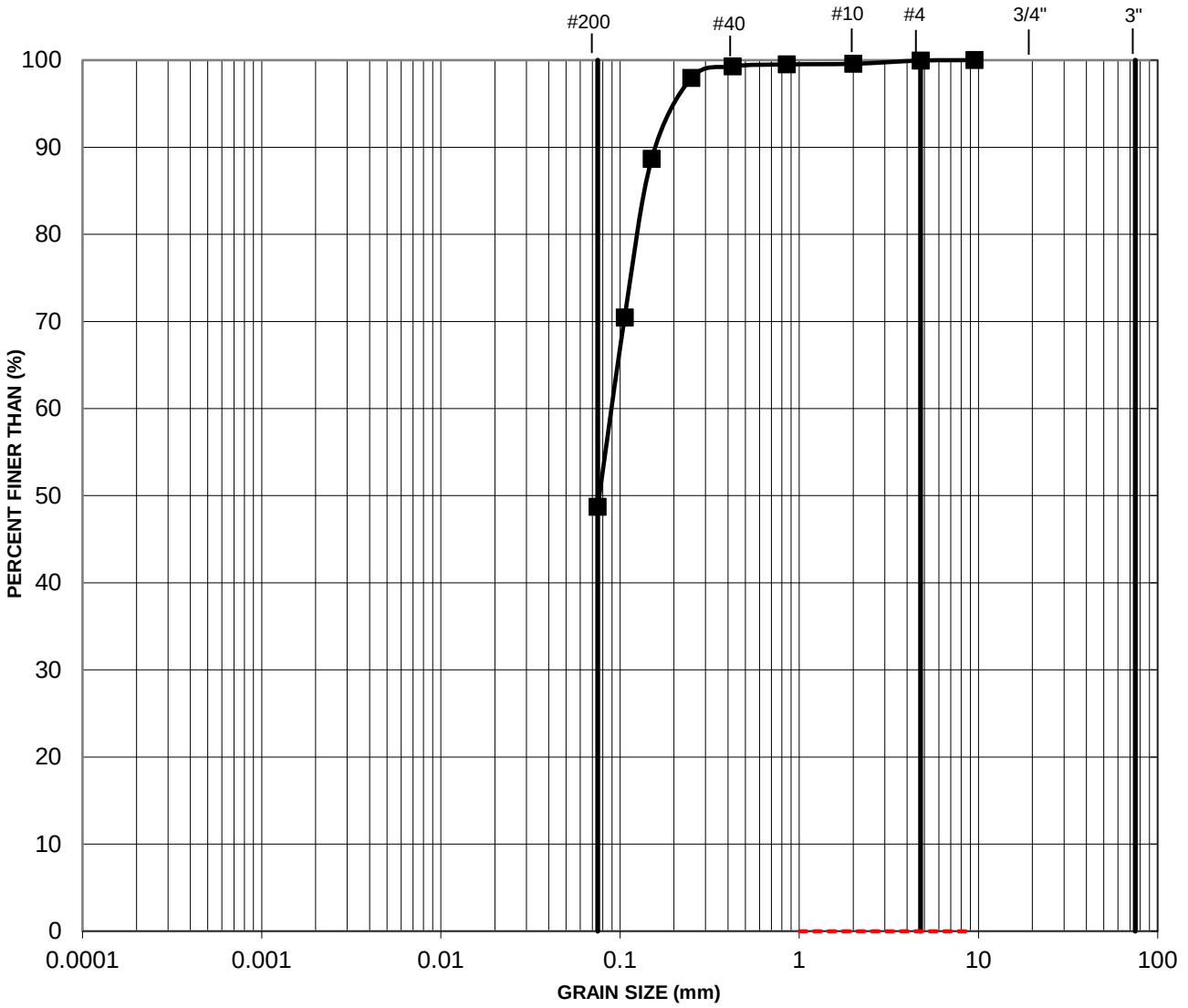
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH04	167006	8.2m - 8.5m

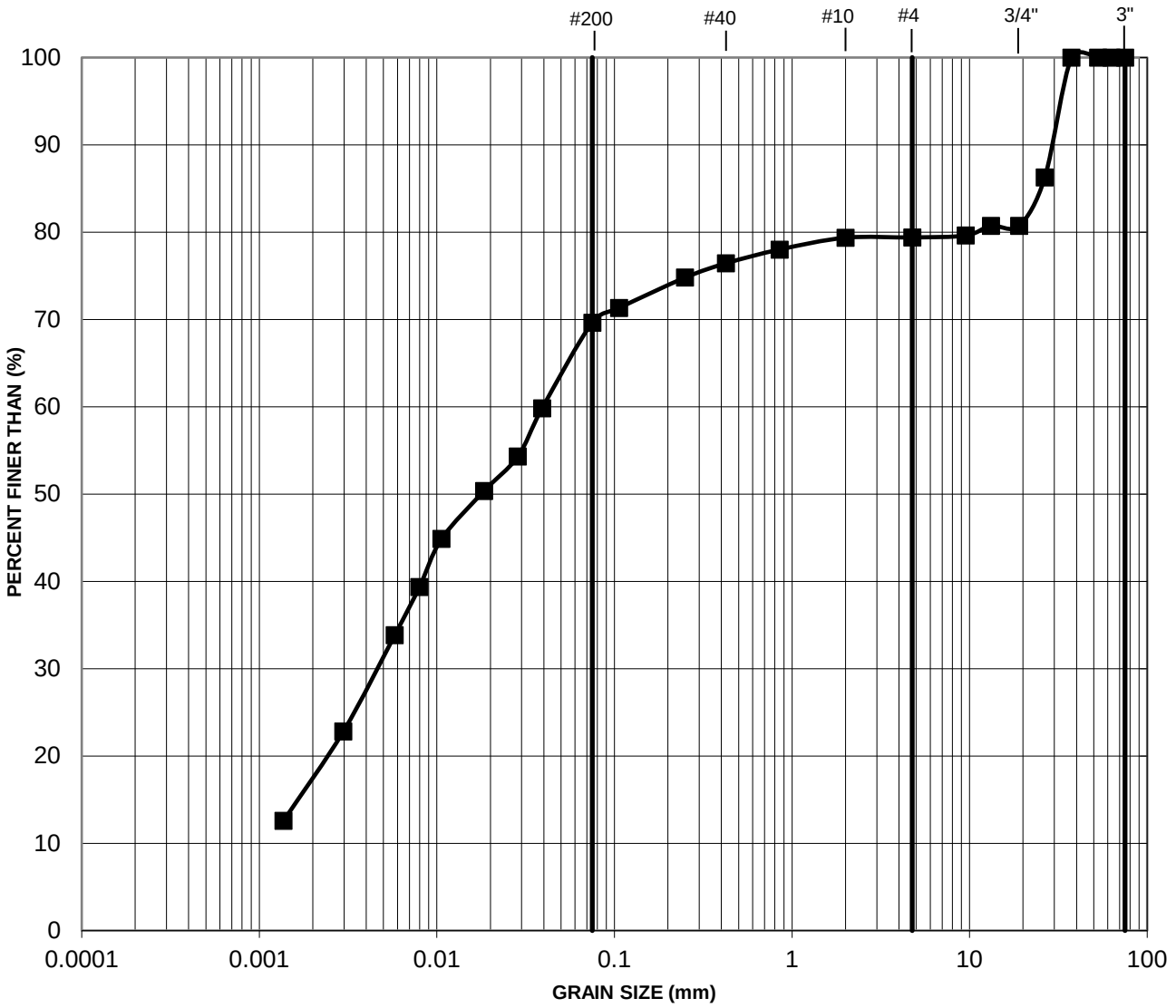
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH15	167008	3m - 3.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

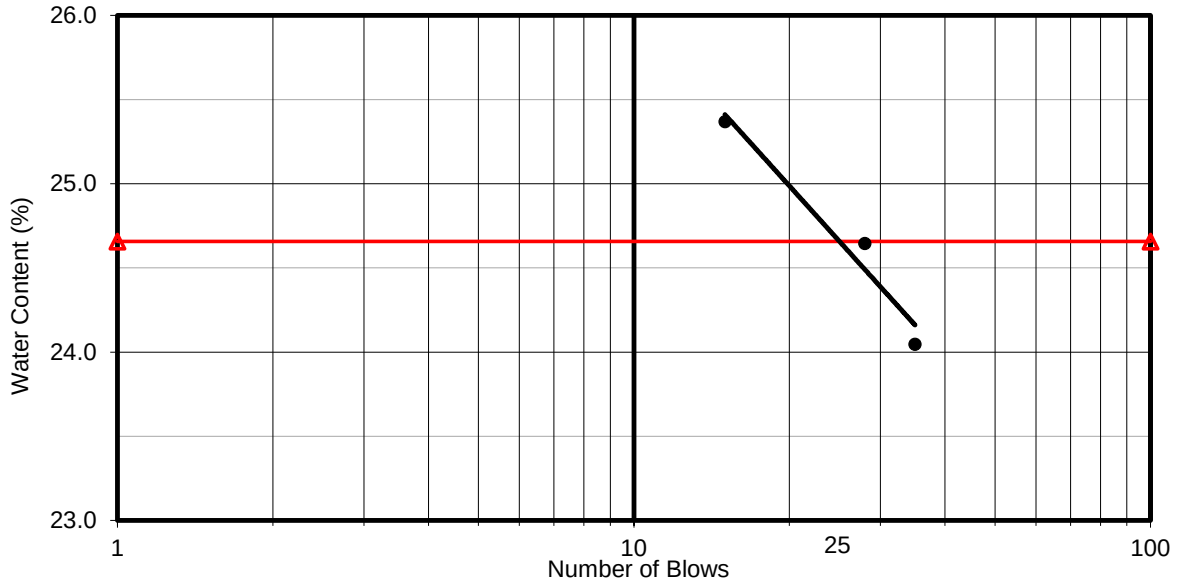
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 17, 2022**
Technician:	**HAB**
Lab Number:	**G415**
Borehole:	**SRK22 TSF BH15**
Sample Number:	**167008**
Depth of Sample:	**3m - 3.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	66	1m	10m			X	1ml	r14l	
NUMBER OF BLOWS	28	35	15			X	X	X	X
MASS WET SOIL + TARE (g)	23.31	18.93	19.97			885.40	25.24	26.02	
MASS DRY SOIL + TARE (g)	20.88	16.66	17.40			794.26	23.69	24.49	
MASS OF WATER (g)	2.43	2.27	2.57			91.14	1.55	1.53	
MASS OF CONTAINER (g)	11.02	7.22	7.27			243.58	13.99	14.73	
MASS OF DRY SOIL (g)	9.86	9.44	10.13			550.68	9.70	9.76	
WATER CONTENT W (%)	24.6	24.0	25.4			16.6	16.0	15.7	

LIQUID LIMIT (%)	**24.7**
PLASTIC LIMIT (%)	**15.8**
PLASTICITY INDEX (%)	**8.8**
W NATURAL (%)	**16.6**
LIQUIDITY INDEX	**0.08**



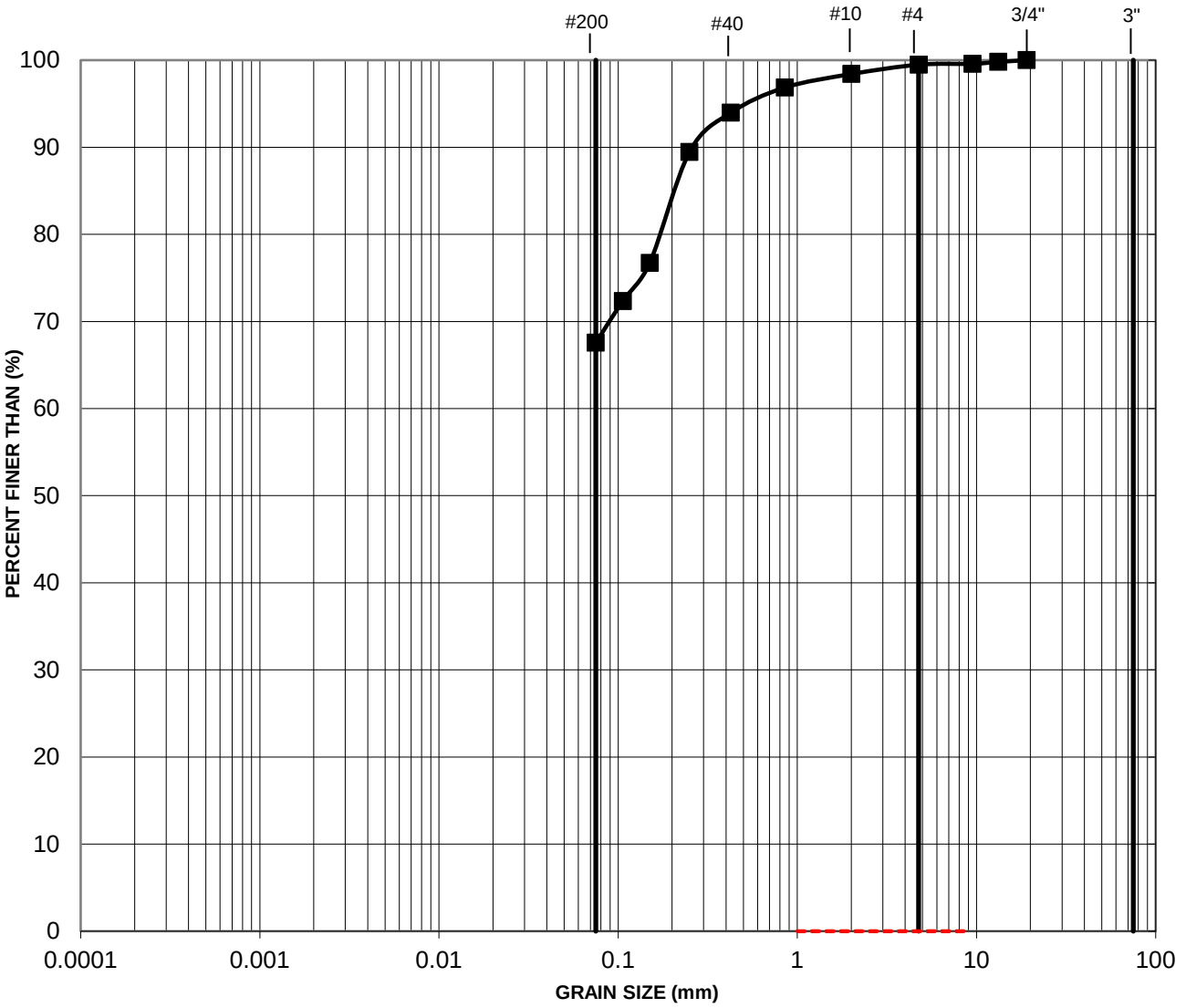
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH15	167012	12.8m - 13.1m

Project No./Phase/Task: 21473972-13000

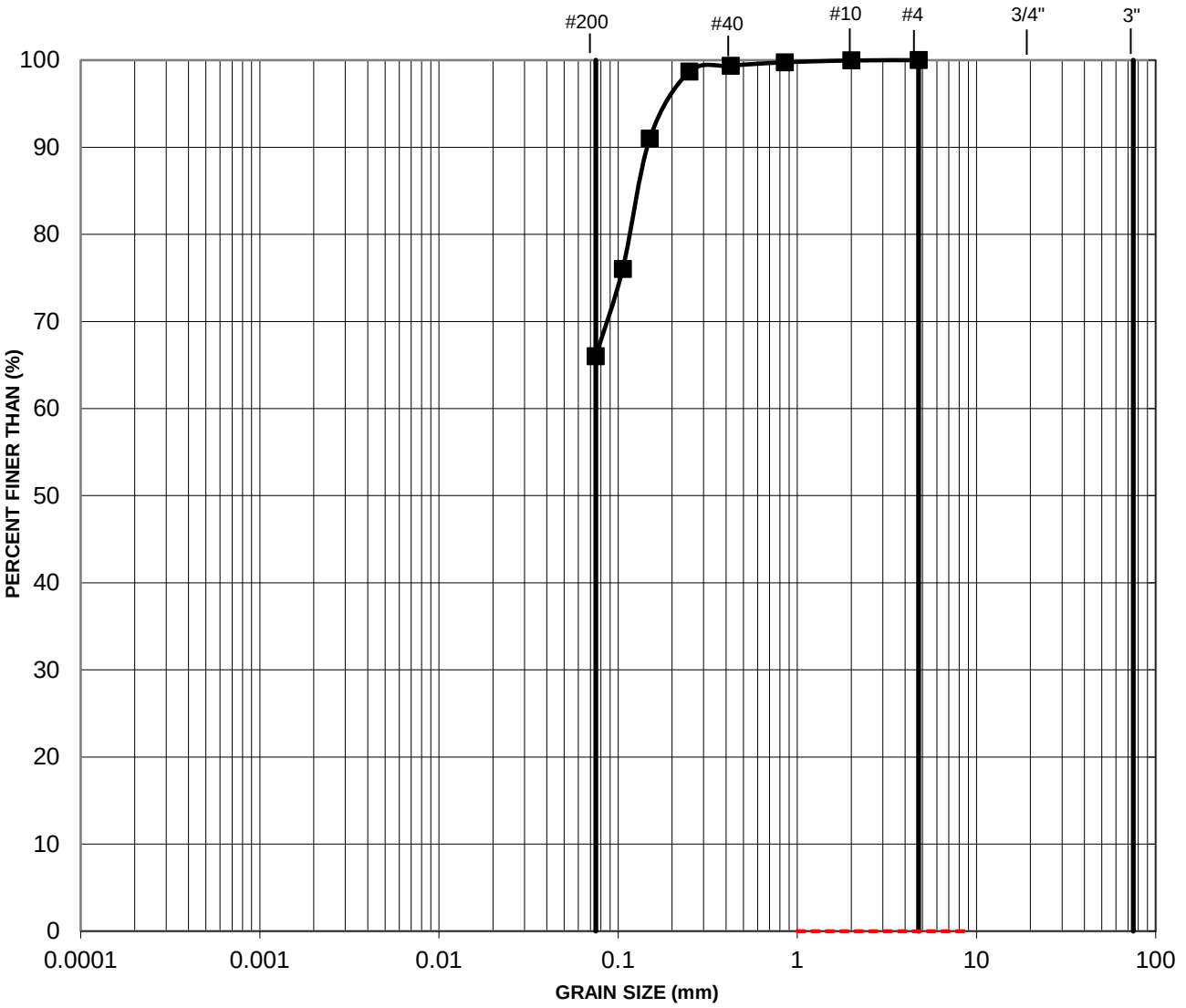
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH15	167019	22.3m - 22.6m

Project No./Phase/Task: 21473972-13000

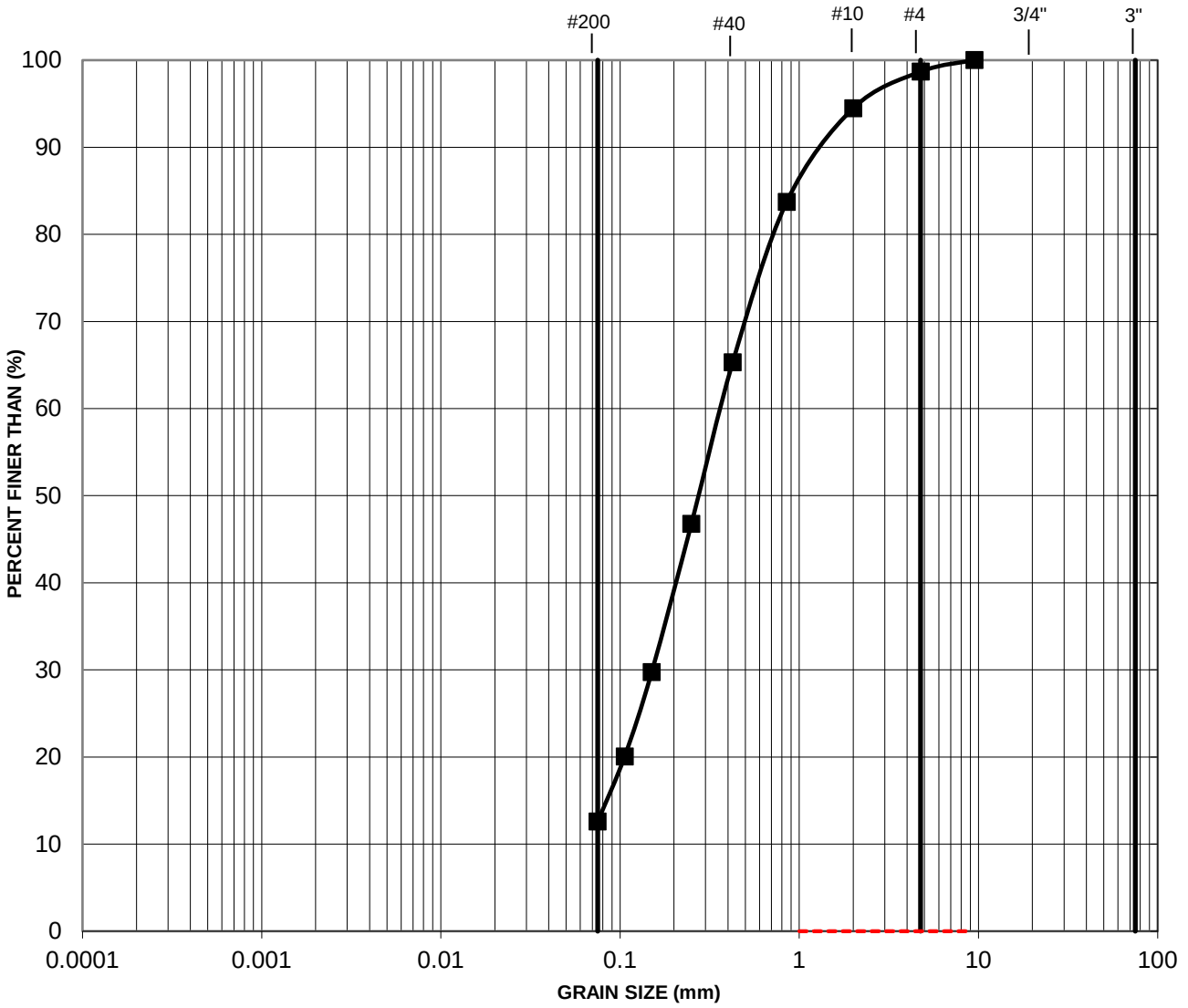
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH15	167021	26.8m - 27.4m

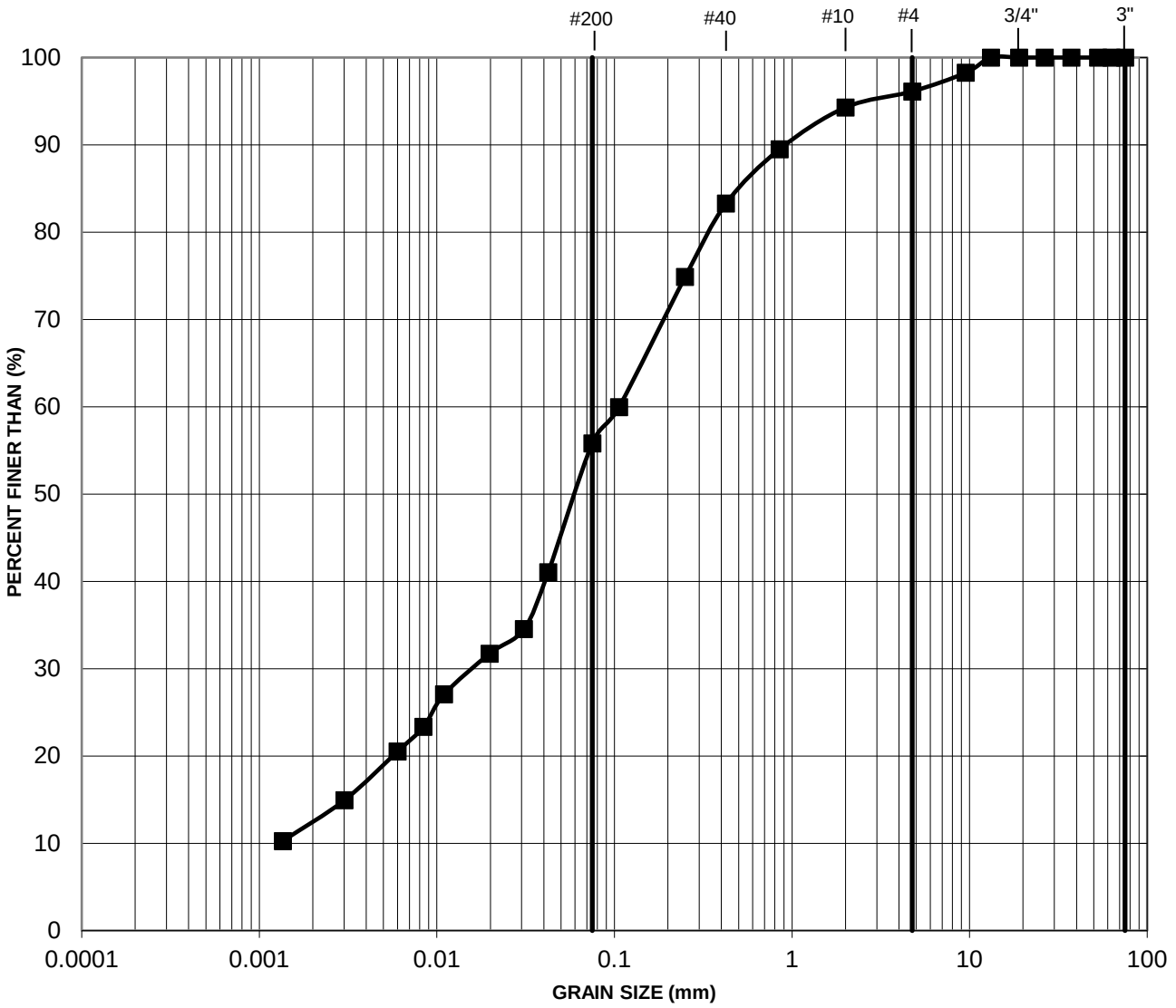
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH15	167023	38.1m - 38.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

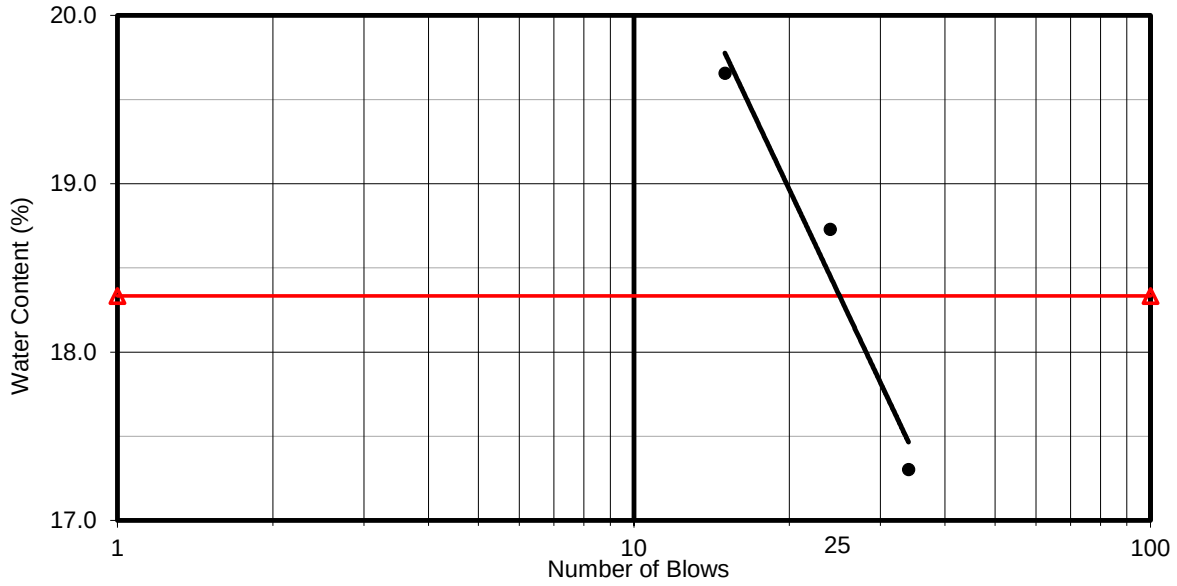
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G419**
Borehole:	**SRK22 TSF BH15**
Sample Number:	**167023**
Depth of Sample:	**38.1m - 38.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	31	39	909			X	g	ce10	
NUMBER OF BLOWS	15	34	24			X	X	X	X
MASS WET SOIL + TARE (g)	22.28	21.96	22.35			829.57	26.55	26.91	
MASS DRY SOIL + TARE (g)	20.45	20.33	20.55			788.19	25.25	25.66	
MASS OF WATER (g)	1.83	1.63	1.80			41.38	1.30	1.25	
MASS OF CONTAINER (g)	11.14	10.91	10.94			239.60	13.88	14.33	
MASS OF DRY SOIL (g)	9.31	9.42	9.61			548.59	11.37	11.33	
WATER CONTENT W (%)	19.7	17.3	18.7			7.5	11.4	11.0	

LIQUID LIMIT (%)	**18.3**
PLASTIC LIMIT (%)	**11.2**
PLASTICITY INDEX (%)	**7.1**
W NATURAL (%)	**7.5**
LIQUIDITY INDEX	**-0.52**

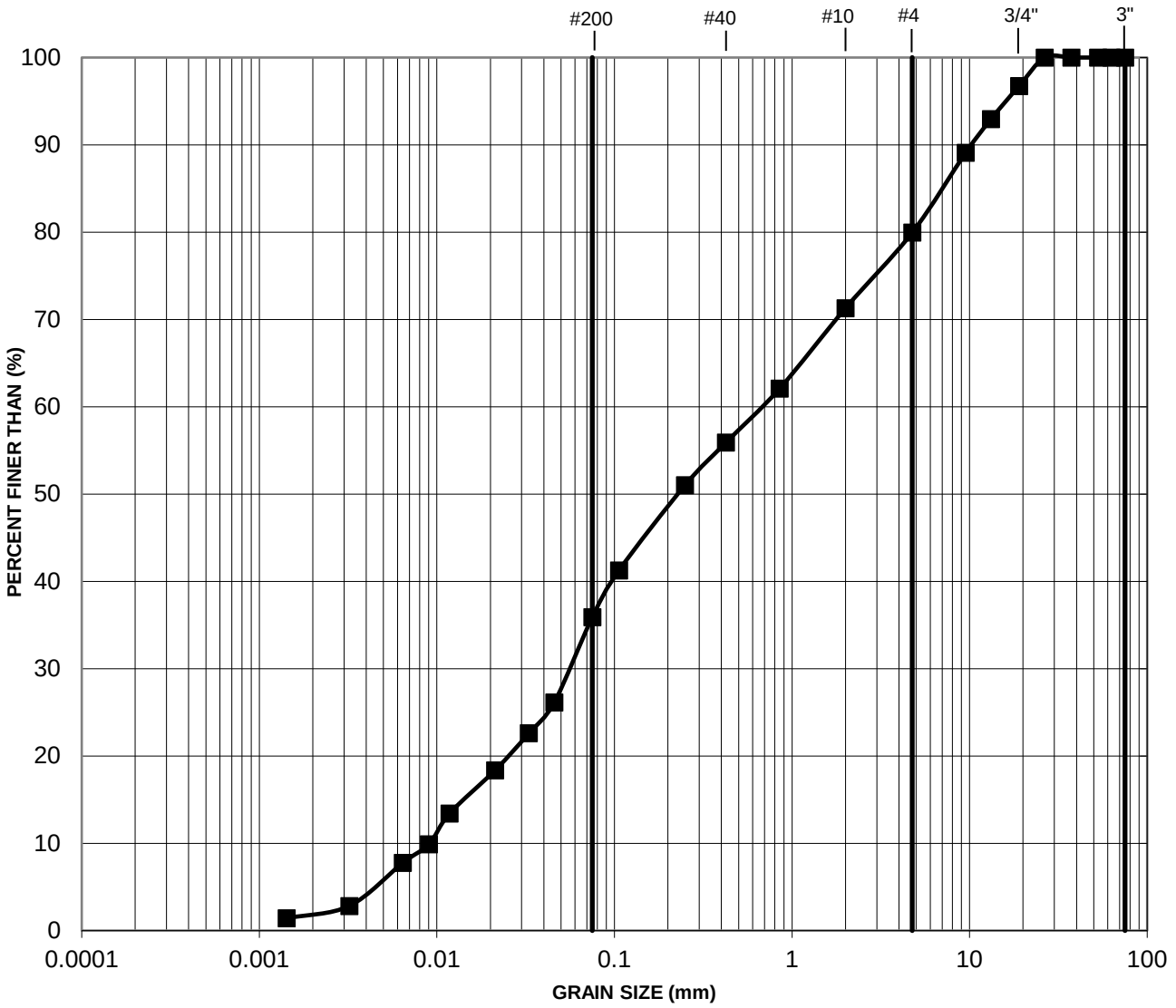


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH15	167030	64.9m - 65.2m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

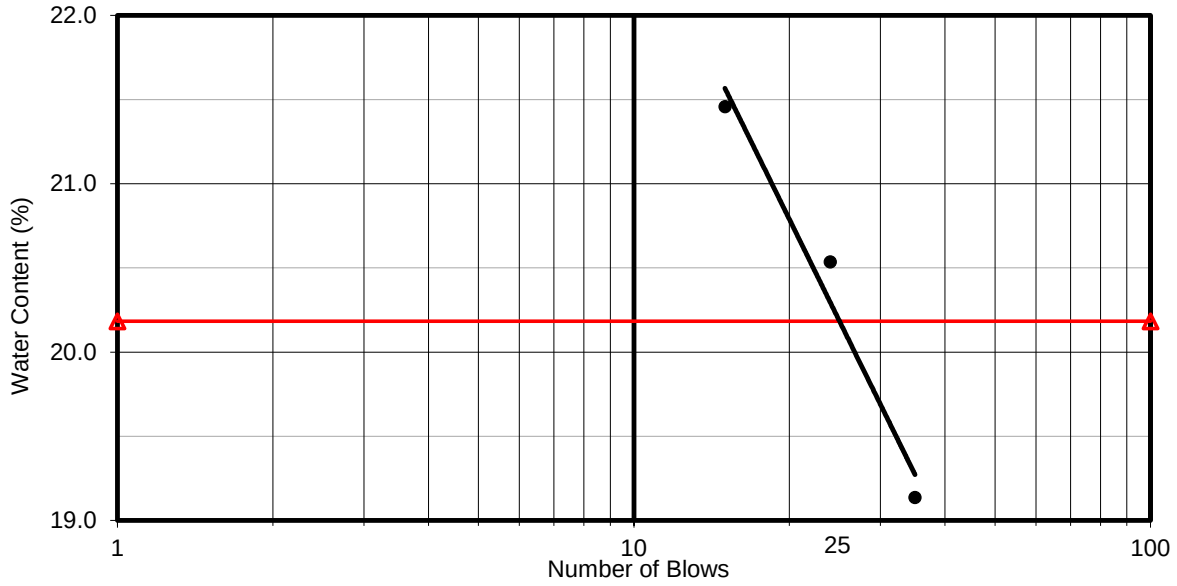
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G420**
Borehole:	**SRK22 TSF BH15**
Sample Number:	**167030**
Depth of Sample:	**64.9m - 65.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	q12	11	44			**X**	19	23	
NUMBER OF BLOWS	35	24	15			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.54	21.67	22.52			782.69	33.93	33.61	
MASS DRY SOIL + TARE (g)	15.72	19.83	20.52			743.34	32.08	31.83	
MASS OF WATER (g)	1.82	1.84	2.00			39.35	1.85	1.78	
MASS OF CONTAINER (g)	6.21	10.87	11.20			238.52	20.92	20.88	
MASS OF DRY SOIL (g)	9.51	8.96	9.32			504.82	11.16	10.95	
WATER CONTENT W (%)	19.1	20.5	21.5			7.8	16.6	16.3	

LIQUID LIMIT (%)	**20.2**
PLASTIC LIMIT (%)	**16.4**
PLASTICITY INDEX (%)	**3.8**
W NATURAL (%)	**7.8**
LIQUIDITY INDEX	**-2.29**

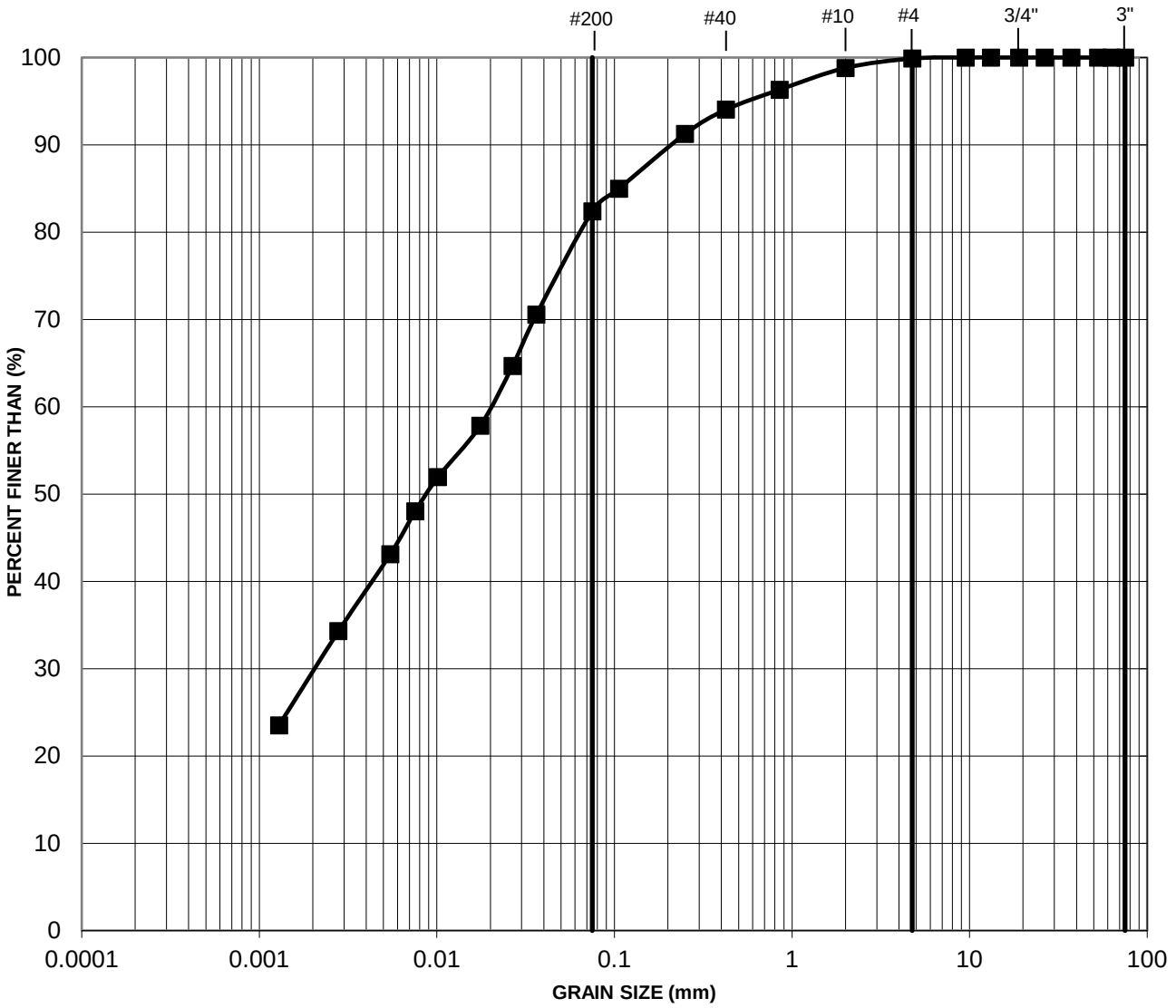


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH05	167035	7.3m - 7.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

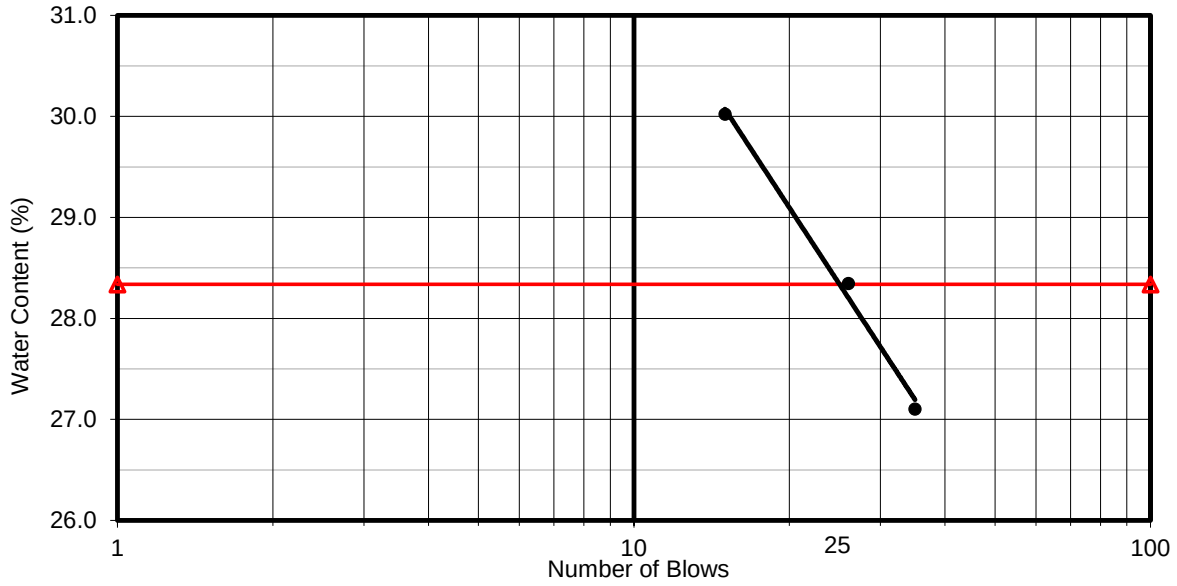
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G421**
Borehole:	**SRK22 TSF BH05**
Sample Number:	**167035**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	59	65	77			X	6m	29	
NUMBER OF BLOWS	26	35	15			X	X	X	X
MASS WET SOIL + TARE (g)	22.39	23.21	22.85			771.64	26.03	33.40	
MASS DRY SOIL + TARE (g)	19.87	20.60	20.13			671.06	24.39	31.75	
MASS OF WATER (g)	2.52	2.61	2.72			100.58	1.64	1.65	
MASS OF CONTAINER (g)	10.98	10.97	11.07			239.22	13.90	21.18	
MASS OF DRY SOIL (g)	8.89	9.63	9.06			431.84	10.49	10.57	
WATER CONTENT W (%)	28.3	27.1	30.0			23.3	15.6	15.6	

LIQUID LIMIT (%)	**28.3**
PLASTIC LIMIT (%)	**15.6**
PLASTICITY INDEX (%)	**12.7**
W NATURAL (%)	**23.3**
LIQUIDITY INDEX	**0.60**



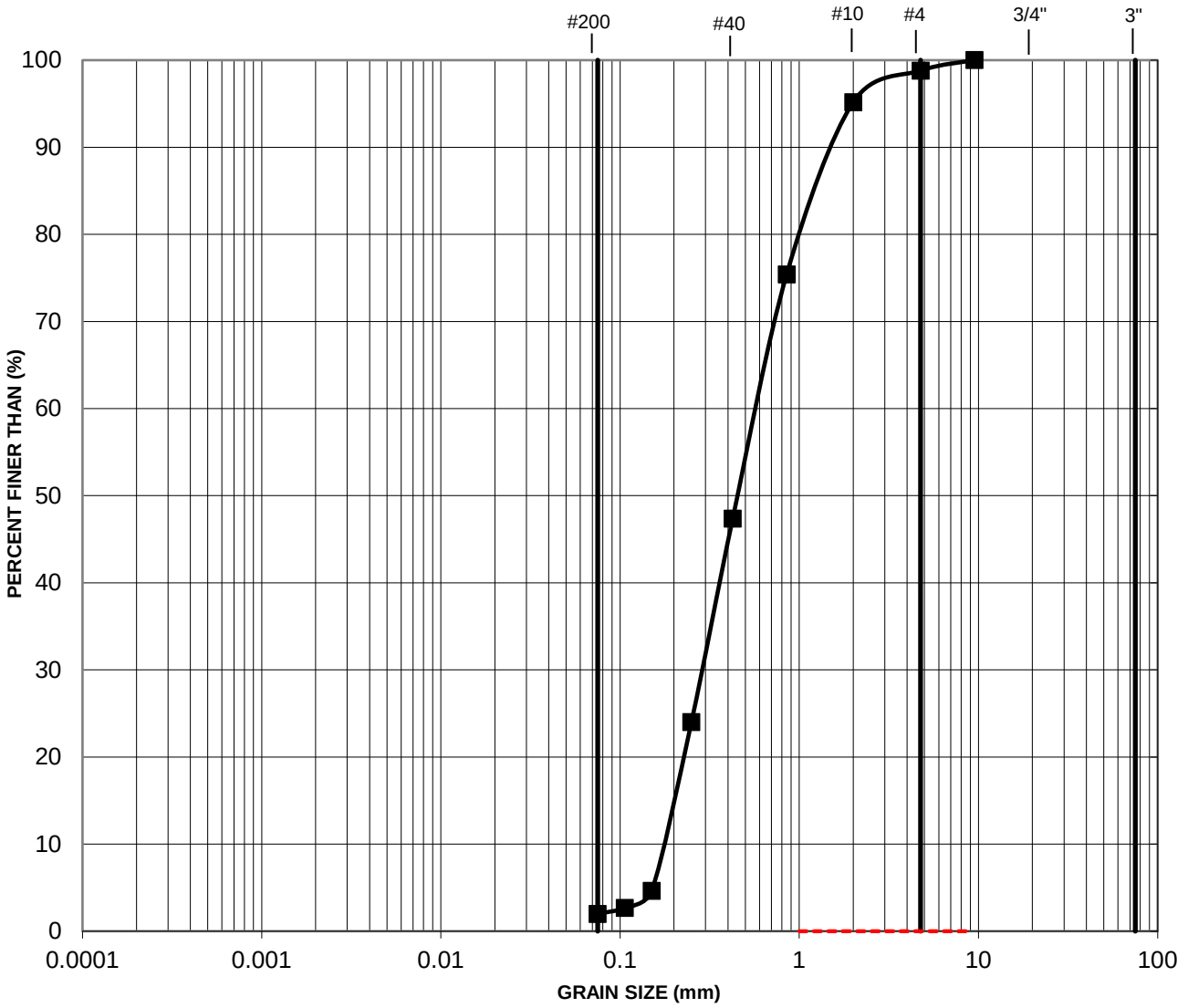
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH05	167039	16.8m - 17.4m

Project No./Phase/Task: 21473972-13000

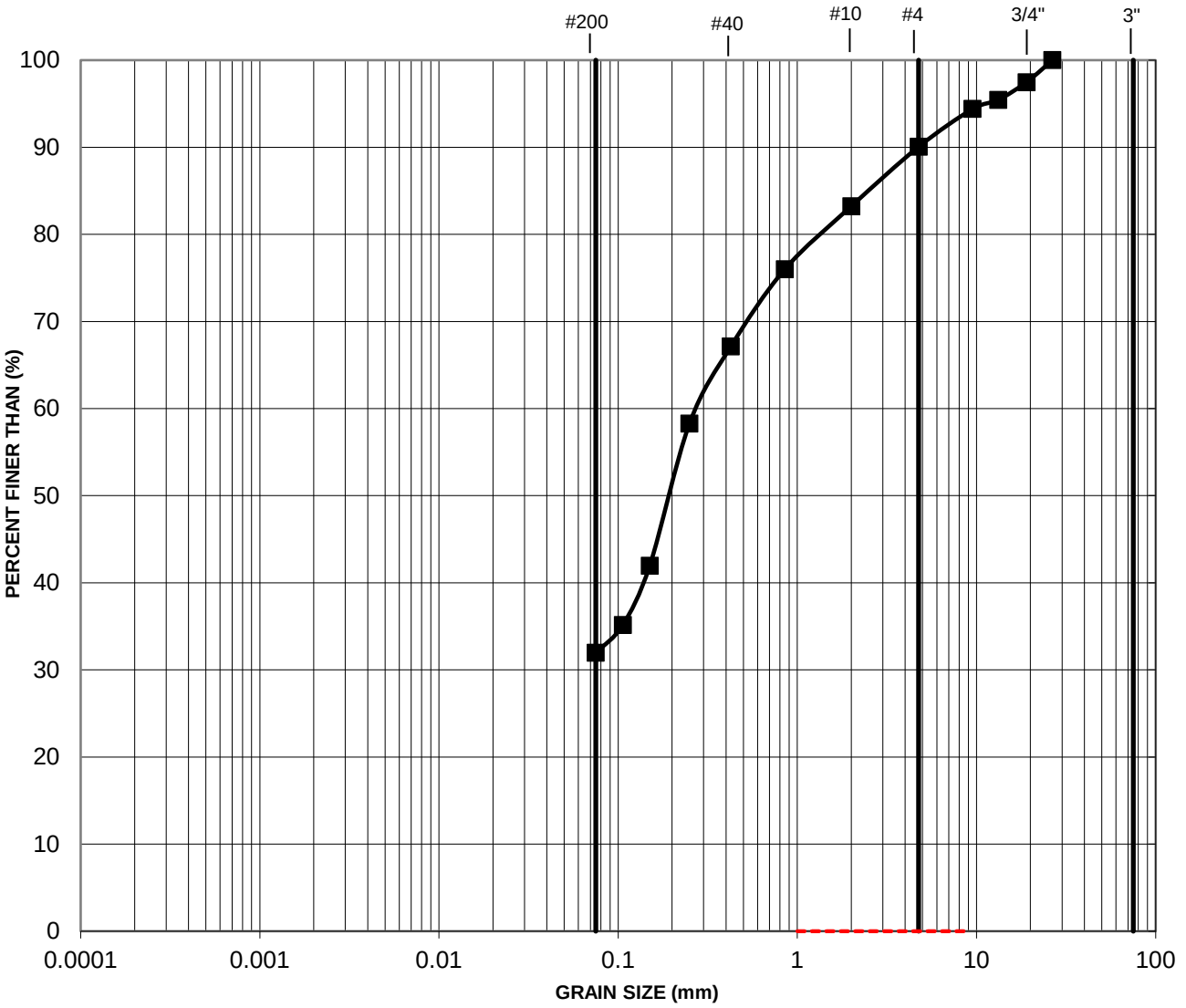
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH05	167042	32m - 32.3m

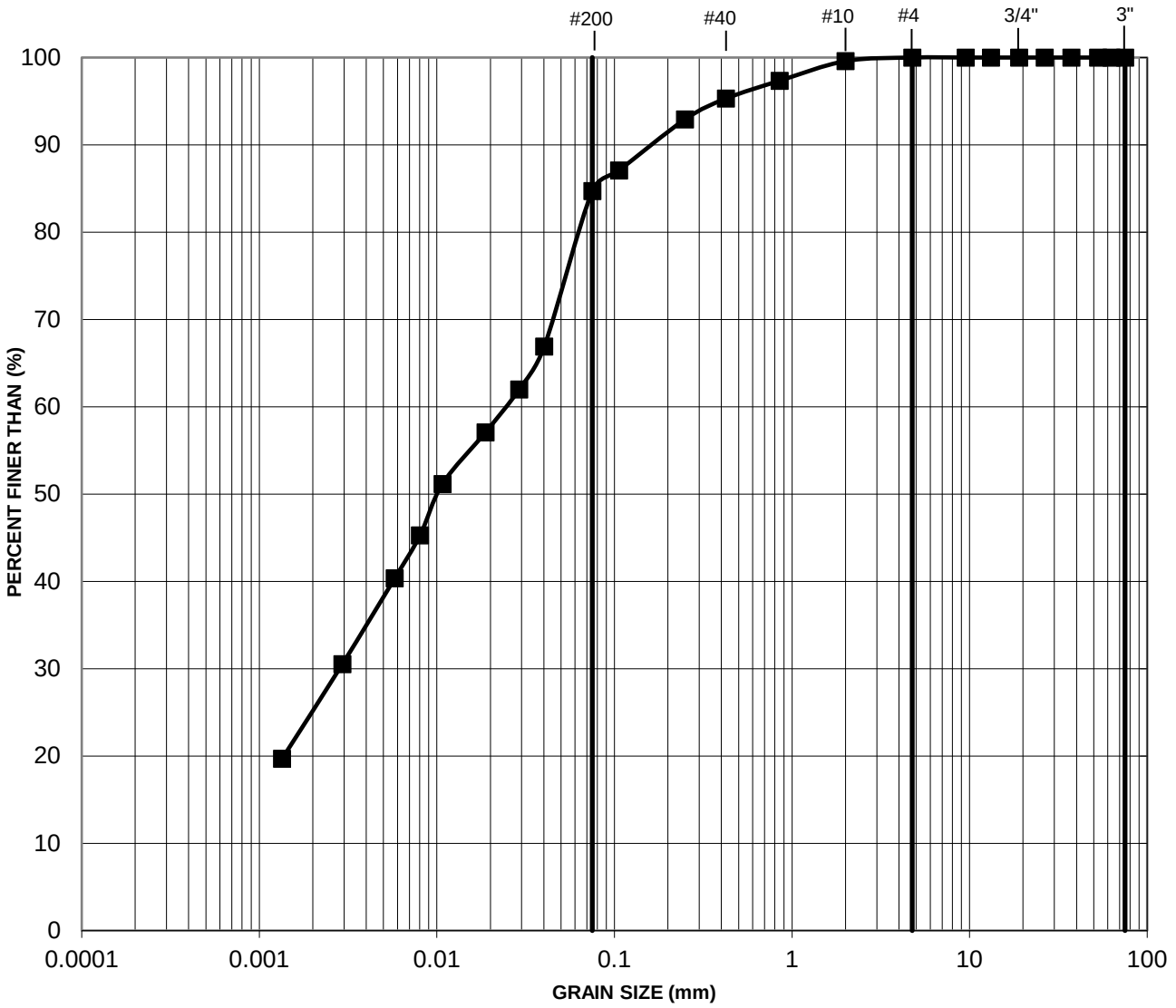
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167048	4.9m - 5.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

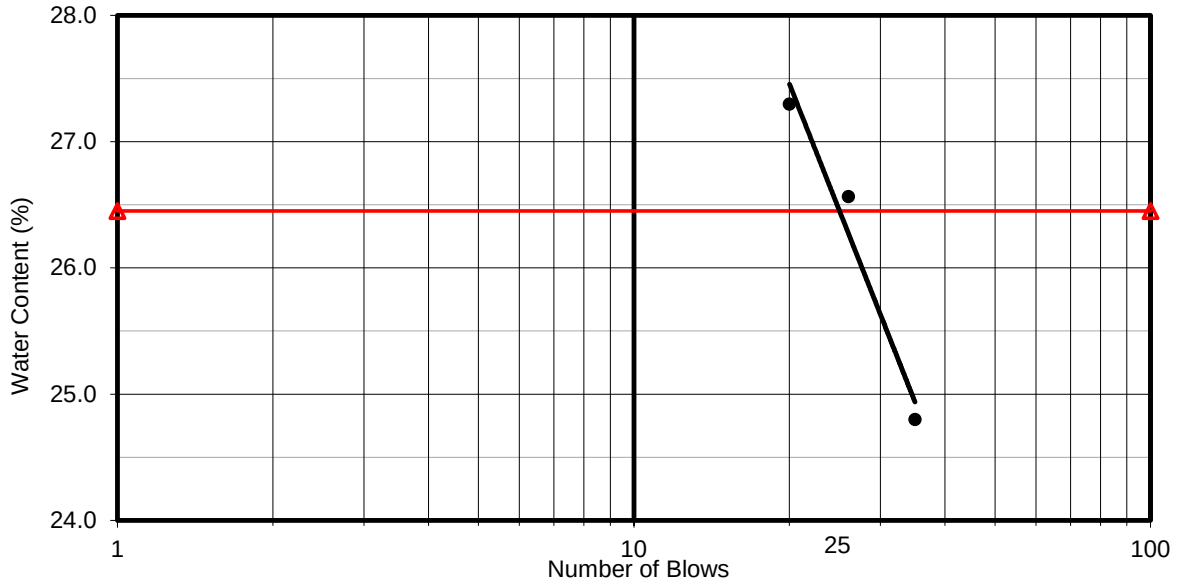
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 24, 2022**
Technician:	**HAB**
Lab Number:	**G424**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**167048**
Depth of Sample:	**4.9m - 5.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	45	85	402			**X**	m	mr13	
NUMBER OF BLOWS	26	35	20			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	23.89	23.50	24.22			761.26	25.87	25.33	
MASS DRY SOIL + TARE (g)	21.22	21.01	21.40			670.32	24.38	23.80	
MASS OF WATER (g)	2.67	2.49	2.82			90.94	1.49	1.53	
MASS OF CONTAINER (g)	11.17	10.97	11.07			237.70	14.02	13.57	
MASS OF DRY SOIL (g)	10.05	10.04	10.33			432.62	10.36	10.23	
WATER CONTENT W (%)	26.6	24.8	27.3			21.0	14.4	15.0	

LIQUID LIMIT (%)	**26.5**
PLASTIC LIMIT (%)	**14.7**
PLASTICITY INDEX (%)	**11.8**
W NATURAL (%)	**21.0**
LIQUIDITY INDEX	**0.54**

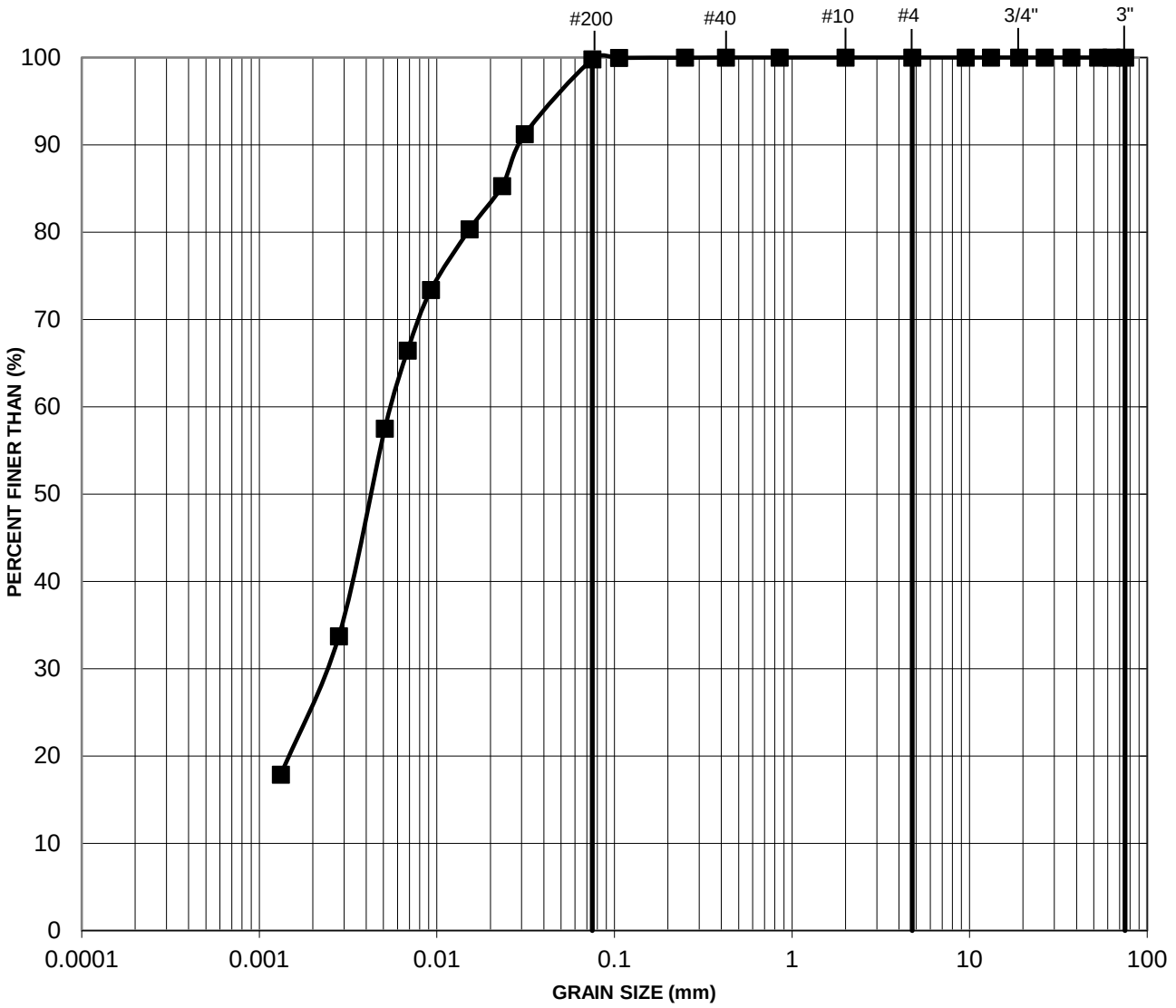


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167454	16.2m - 17.7m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

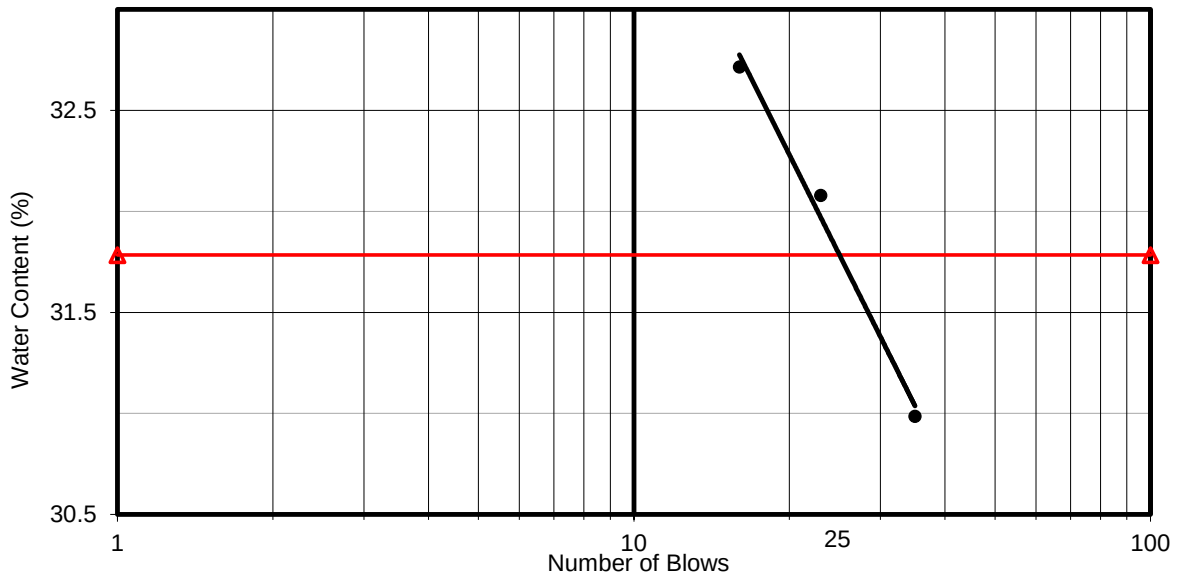
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G425**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**167454**
Depth of Sample:	**16.2m - 17.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	21	34	70			X	73	76	
NUMBER OF BLOWS	16	35	23			X	X	X	X
MASS WET SOIL + TARE (g)	21.78	21.20	31.64			806.03	33.59	33.29	
MASS DRY SOIL + TARE (g)	19.13	18.78	29.08			703.48	31.25	30.99	
MASS OF WATER (g)	2.65	2.42	2.56			102.55	2.34	2.30	
MASS OF CONTAINER (g)	11.03	10.97	21.10			243.49	21.05	20.91	
MASS OF DRY SOIL (g)	8.10	7.81	7.98			459.99	10.20	10.08	
WATER CONTENT W (%)	32.7	31.0	32.1			22.3	22.9	22.8	

LIQUID LIMIT (%)	**31.8**
PLASTIC LIMIT (%)	**22.9**
PLASTICITY INDEX (%)	**8.9**
W NATURAL (%)	**22.3**
LIQUIDITY INDEX	**-0.07**

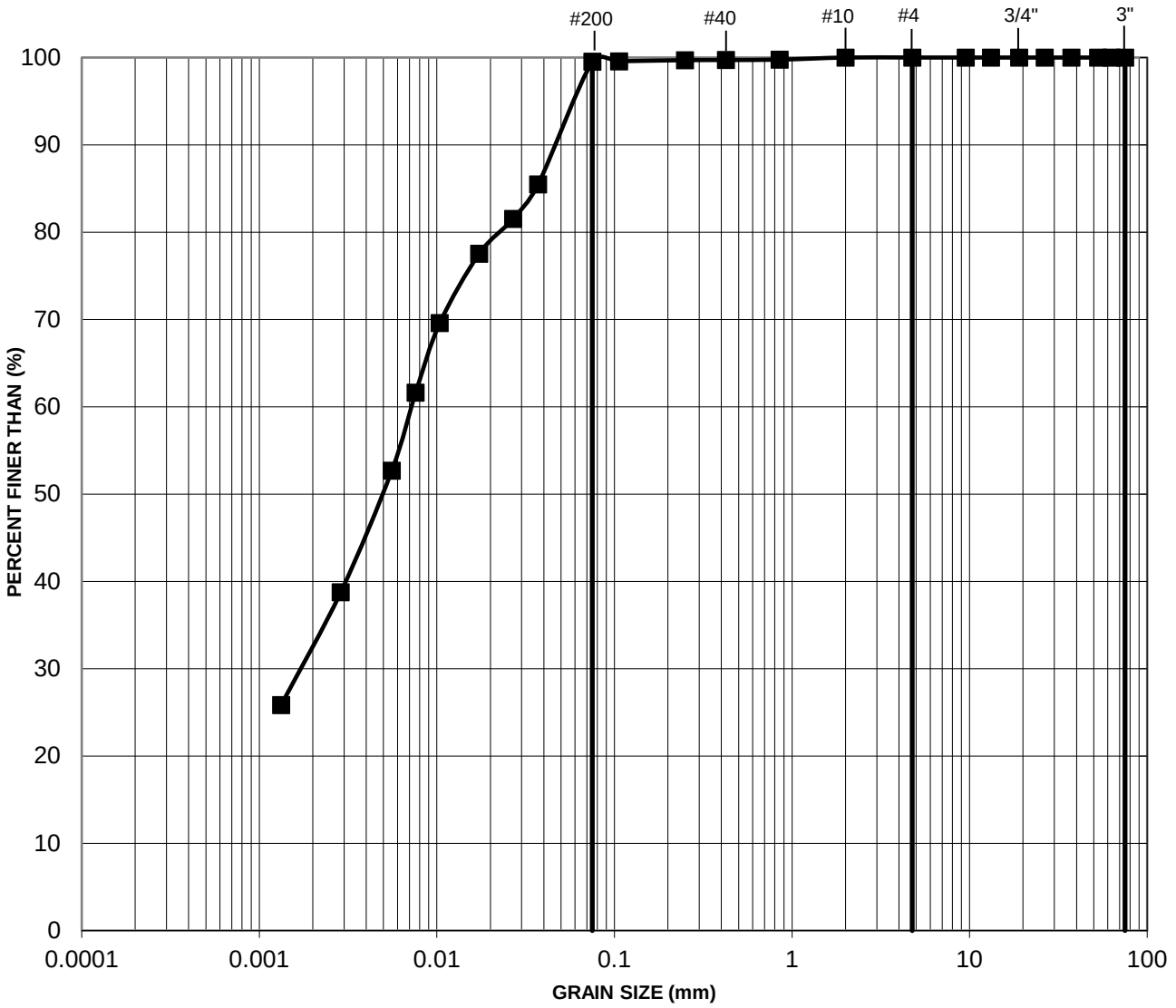


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167455	19.2m - 20.7m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

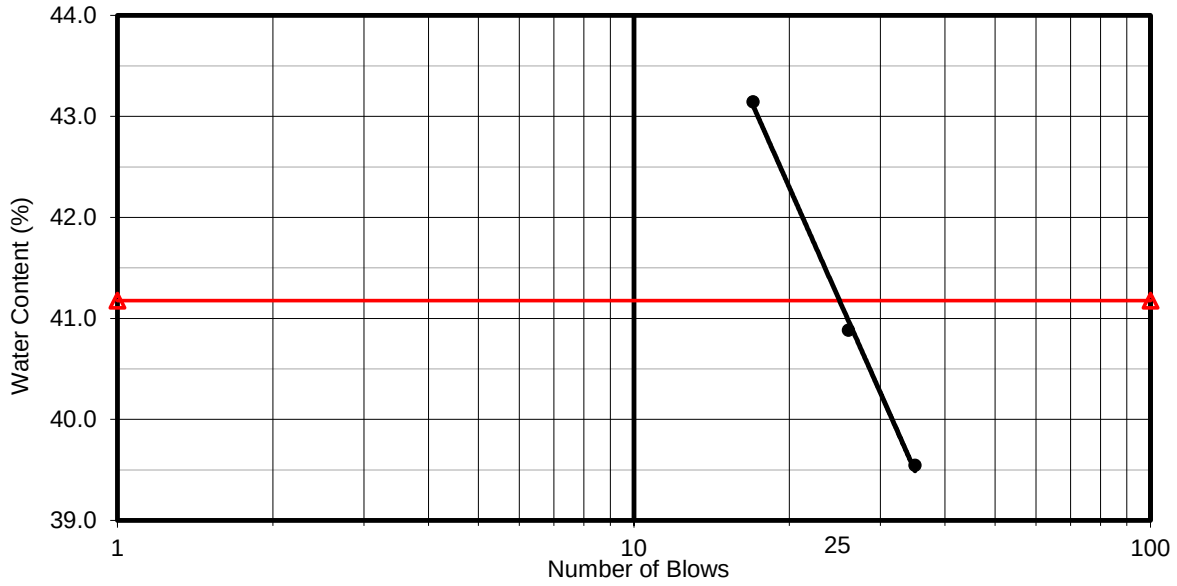
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**10-May-22**
Technician:	**HAB**
Lab Number:	**G426**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**167455**
Depth of Sample:	**19.2m - 20.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	R1	R3	4m			X	h	R21	
NUMBER OF BLOWS	35	26	17			X	X	X	X
MASS WET SOIL + TARE (g)	18.39	20.33	18.57			507.83	26.46	26.36	
MASS DRY SOIL + TARE (g)	15.25	16.54	15.17			458.65	24.19	24.07	
MASS OF WATER (g)	3.14	3.79	3.40			49.18	2.27	2.29	
MASS OF CONTAINER (g)	7.31	7.27	7.29			238.01	14.20	14.36	
MASS OF DRY SOIL (g)	7.94	9.27	7.88			220.64	9.99	9.71	
WATER CONTENT W (%)	39.5	40.9	43.1			22.3	22.7	23.6	

LIQUID LIMIT (%)	**41.2**
PLASTIC LIMIT (%)	**23.2**
PLASTICITY INDEX (%)	**18.0**
W NATURAL (%)	**22.3**
LIQUIDITY INDEX	**-0.05**

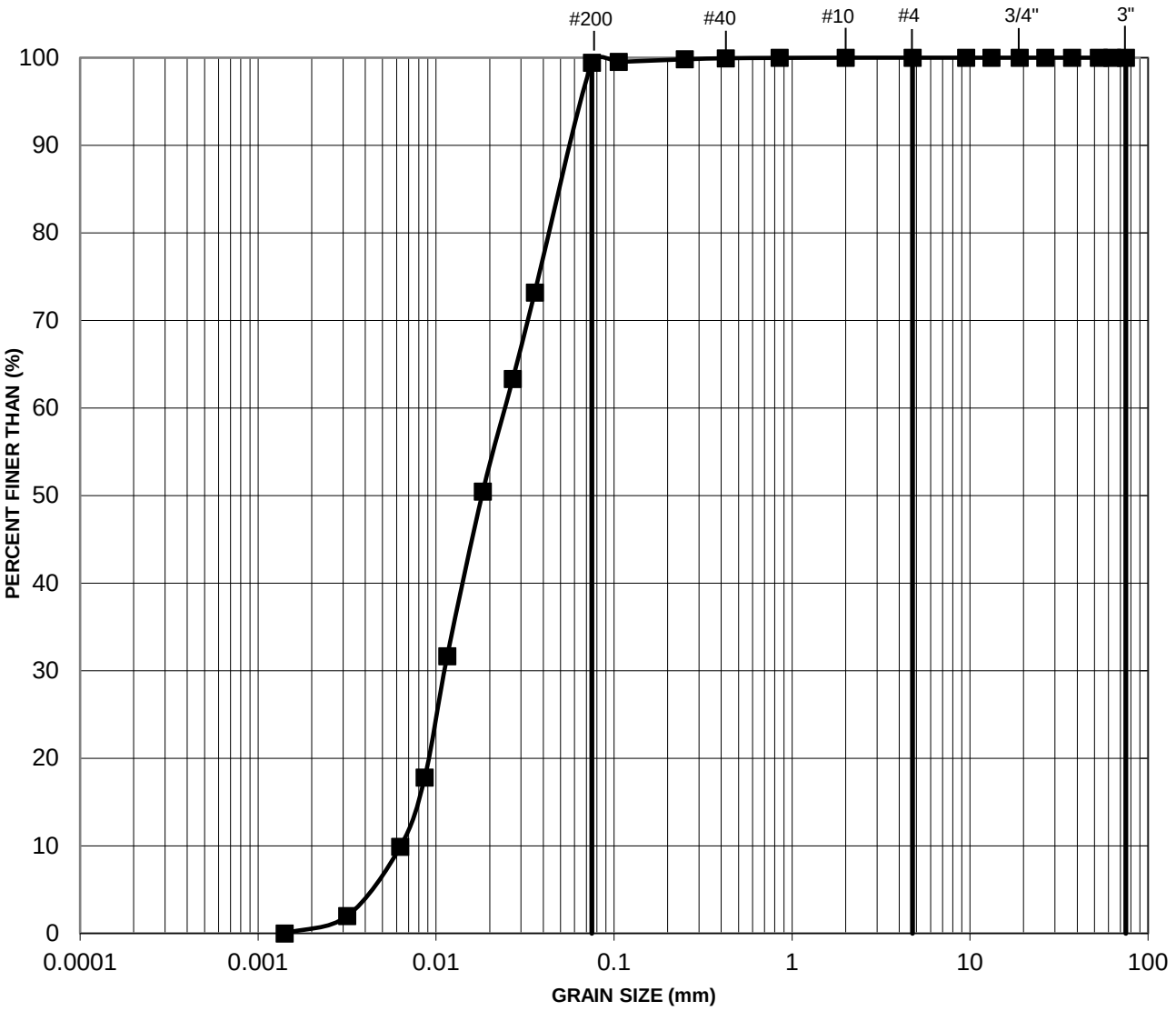


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	165458	26.2m - 26.5m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

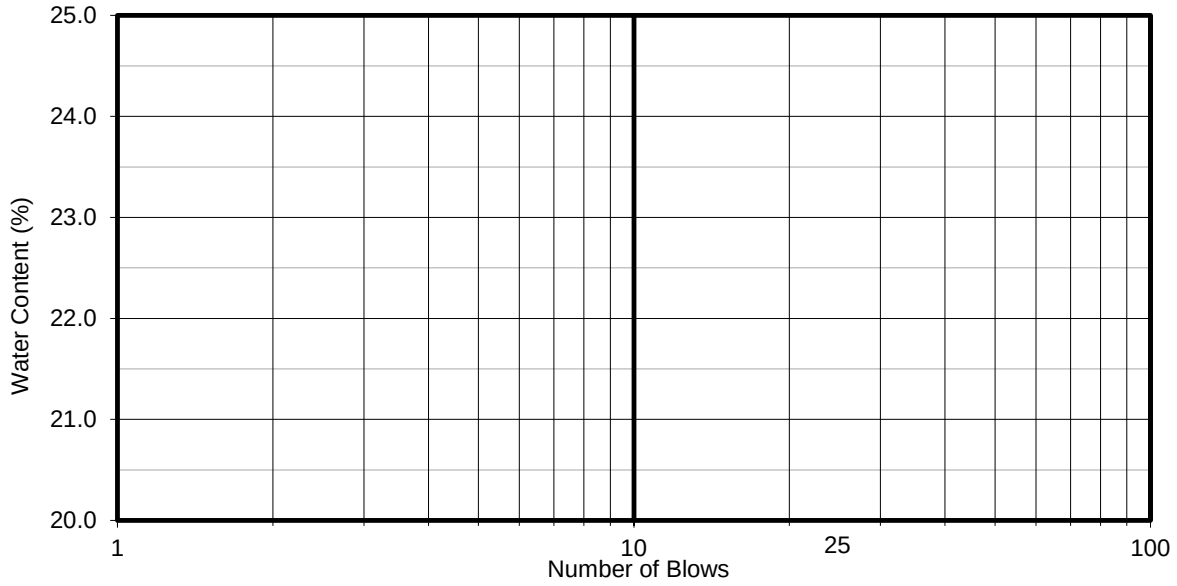
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G427**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**165458**
Depth of Sample:	**26.2m - 26.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						115.62			
MASS DRY SOIL + TARE (g)						98.06			
MASS OF WATER (g)						17.56			
MASS OF CONTAINER (g)						1.88			
MASS OF DRY SOIL (g)						96.18			
WATER CONTENT W (%)						18.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

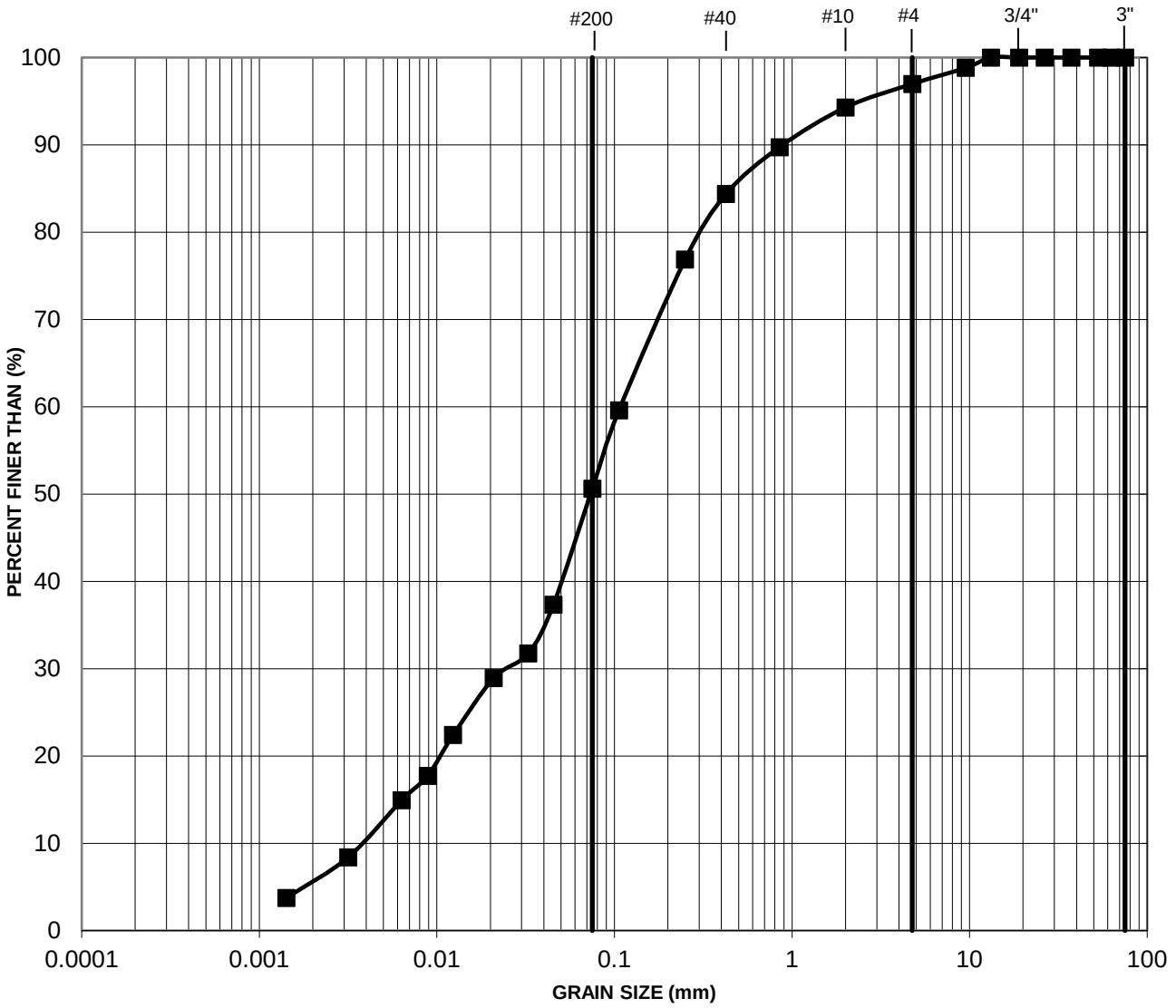


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167464	39.3m - 39.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

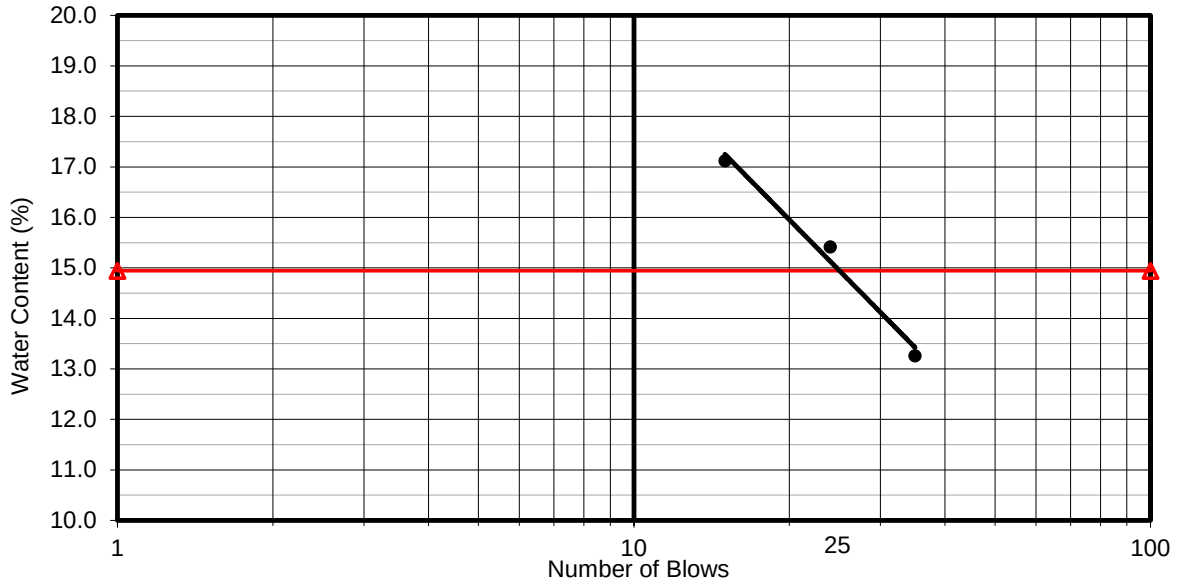
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**HAB**
Lab Number:	**G428**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**167464**
Depth of Sample:	**39.3m - 39.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	333	65	67			X	77	79	
NUMBER OF BLOWS	15	24	35			X	X	X	X
MASS WET SOIL + TARE (g)	34.50	34.60	35.47			1100.19	32.94	33.66	
MASS DRY SOIL + TARE (g)	32.55	32.85	33.80			1051.18	31.69	32.42	
MASS OF WATER (g)	1.95	1.75	1.67			49.01	1.25	1.24	
MASS OF CONTAINER (g)	21.16	21.50	21.21			529.76	20.75	21.49	
MASS OF DRY SOIL (g)	11.39	11.35	12.59			521.42	10.94	10.93	
WATER CONTENT W (%)	17.1	15.4	13.3			9.4	11.4	11.3	

LIQUID LIMIT (%)	**14.9**
PLASTIC LIMIT (%)	**11.4**
PLASTICITY INDEX (%)	**3.6**
W NATURAL (%)	**9.4**
LIQUIDITY INDEX	**-0.56**



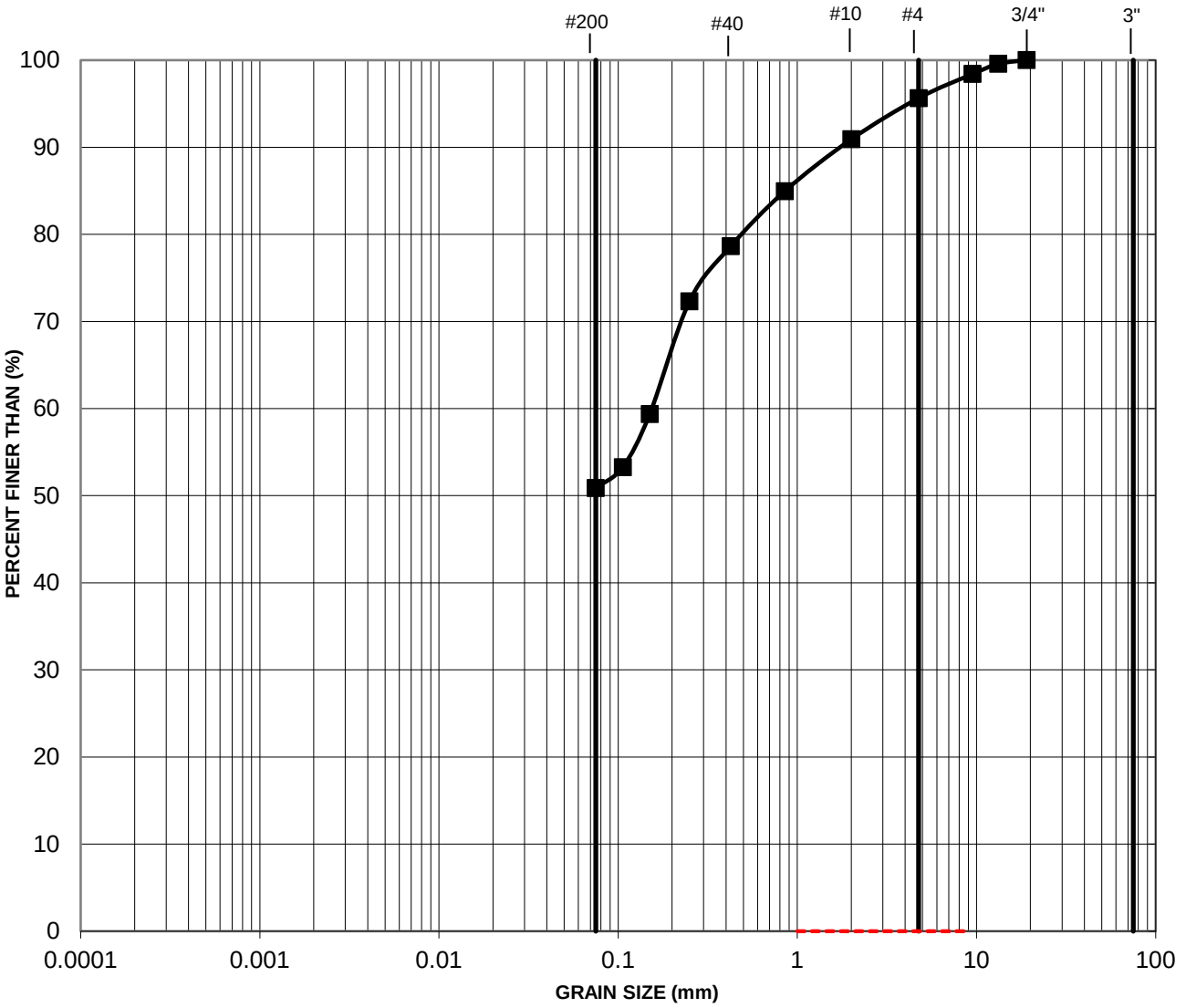
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167472	57.9m - 58.2m

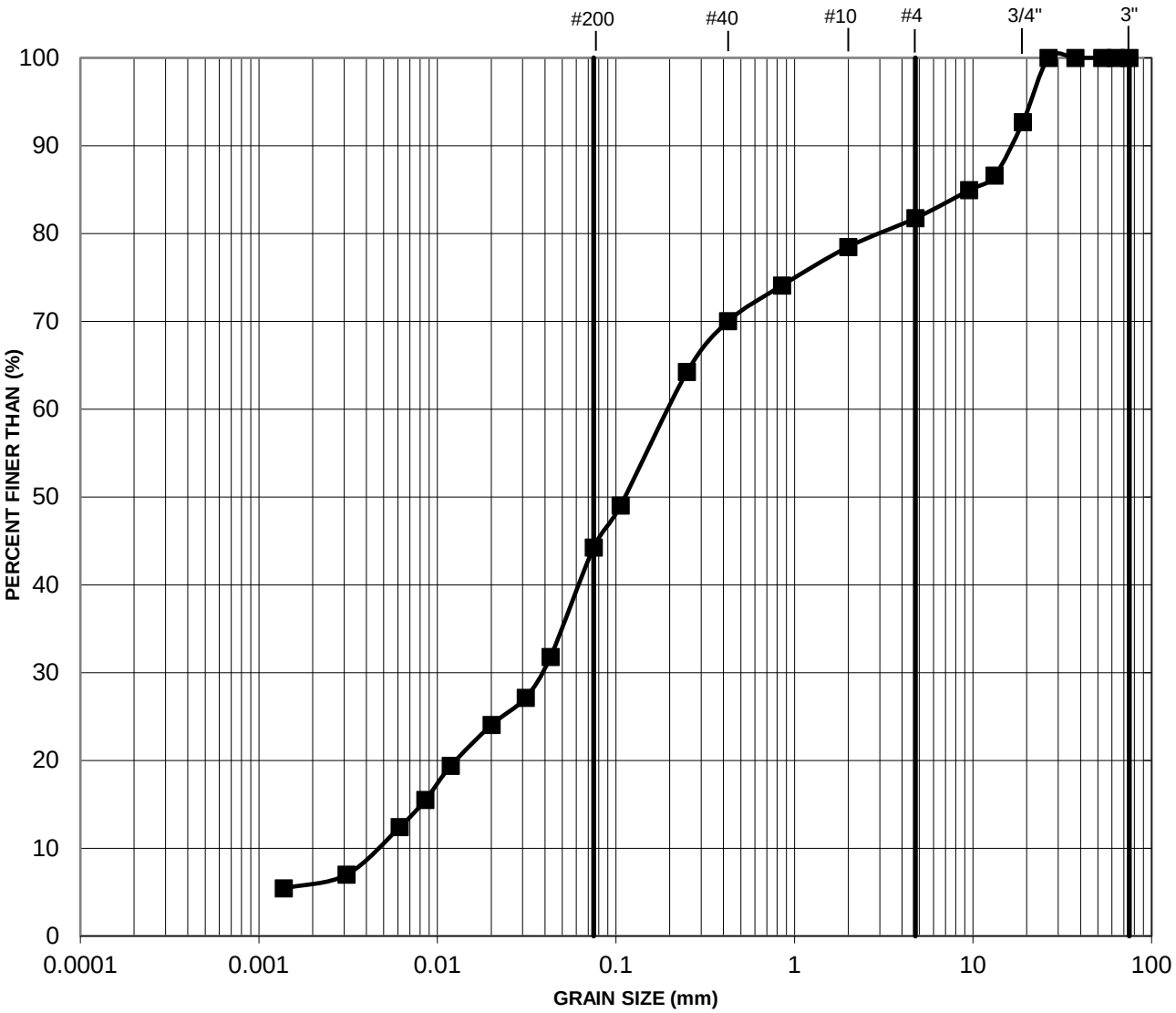
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167475	64m - 64.6m

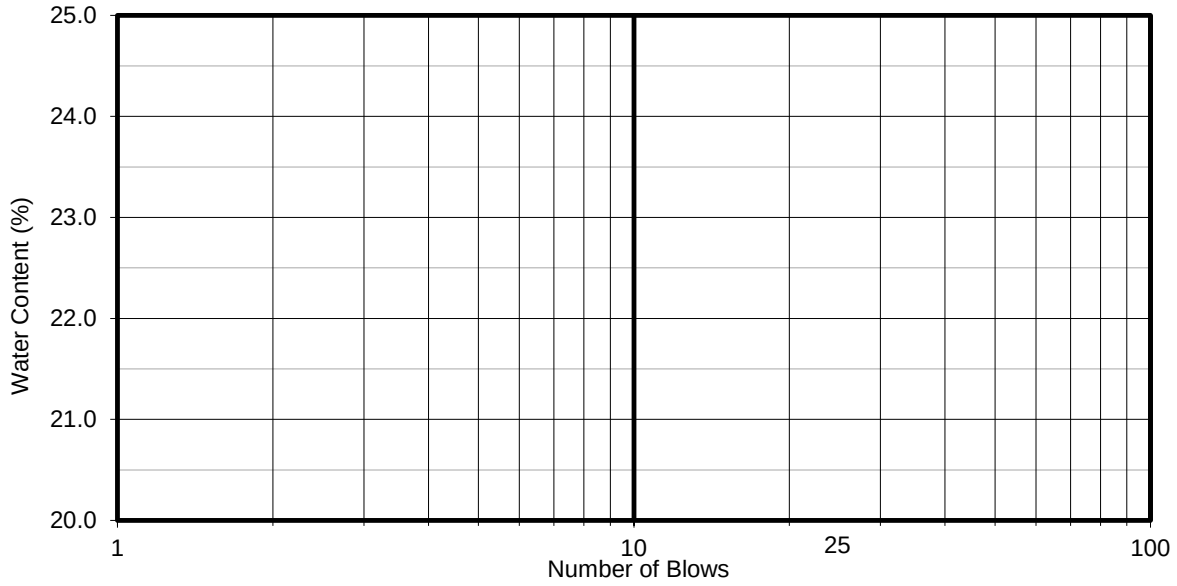
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**EG**
Lab Number:	**G430**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**167475**
Depth of Sample:	**64m - 64.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1093.15			
MASS DRY SOIL + TARE (g)						1036.82			
MASS OF WATER (g)						56.33			
MASS OF CONTAINER (g)						531.06			
MASS OF DRY SOIL (g)						505.76			
WATER CONTENT W (%)						11.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

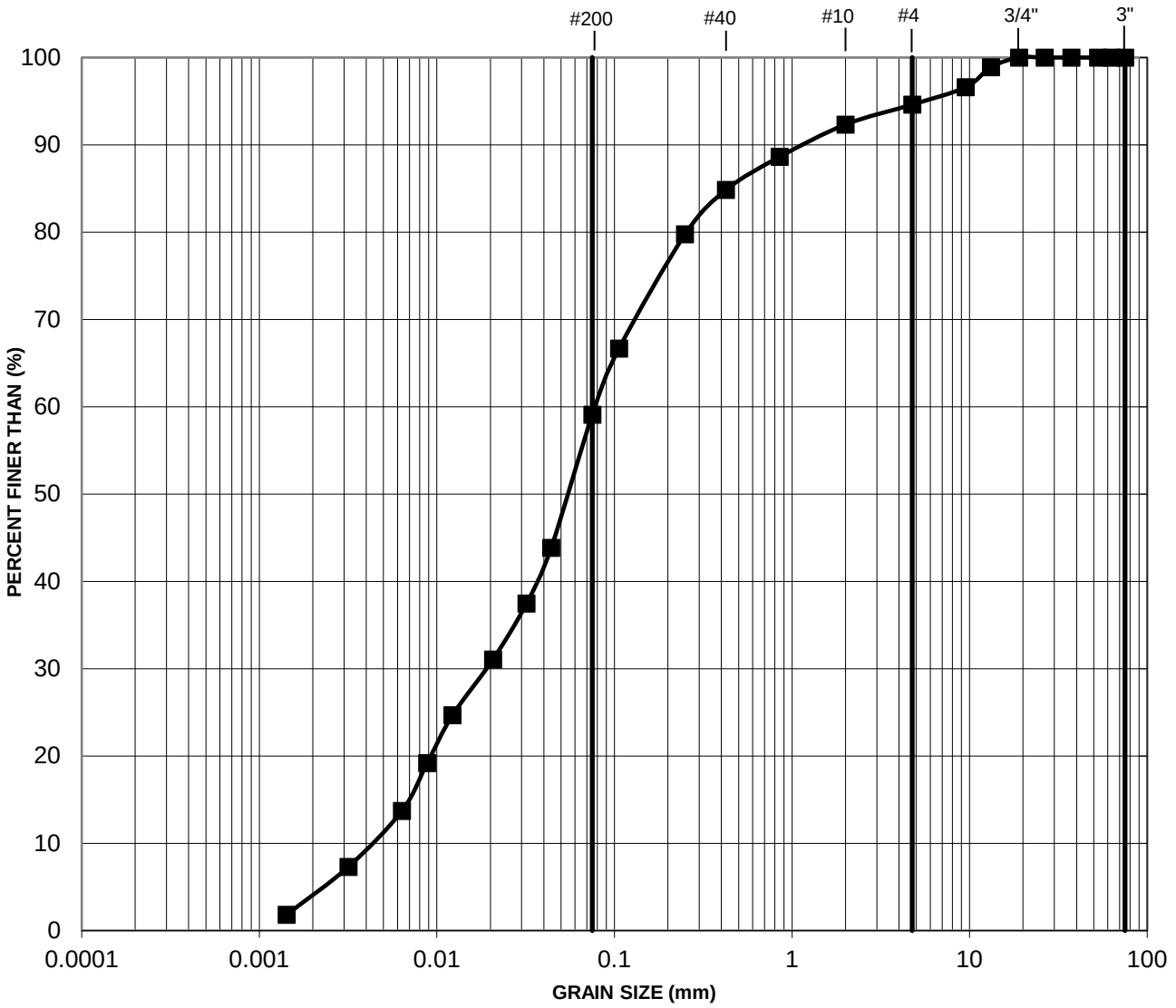


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH25	167479	73.2m - 73.8m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

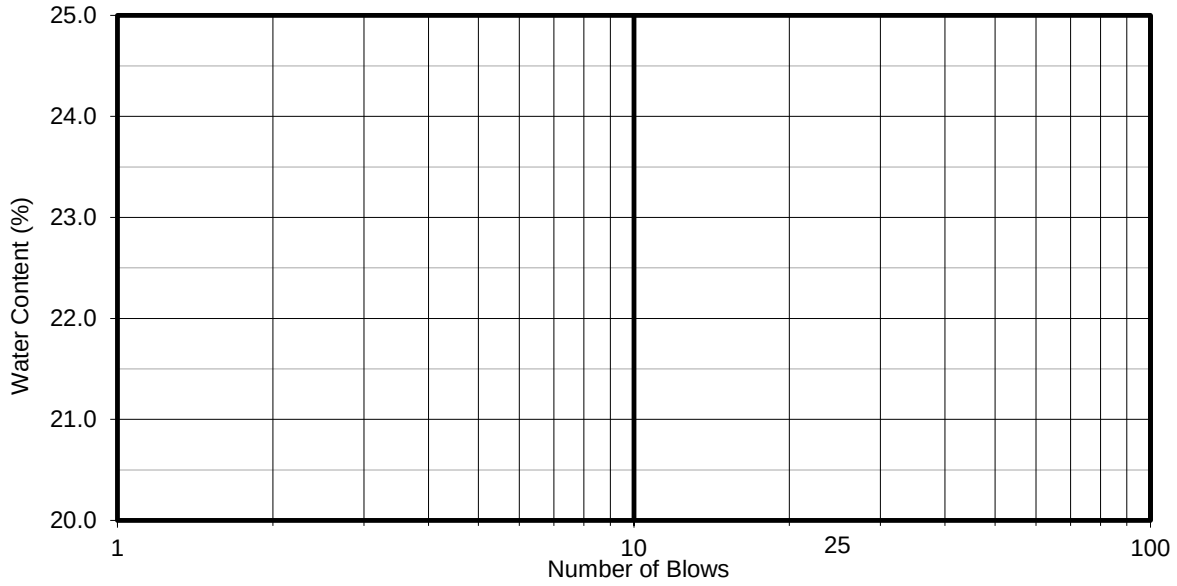
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 18, 2022**
Technician:	**EG**
Lab Number:	**G431**
Borehole:	**SRK22 TSF BH25**
Sample Number:	**167479**
Depth of Sample:	**73.2m - 73.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						879.31			
MASS DRY SOIL + TARE (g)						844.61			
MASS OF WATER (g)						34.70			
MASS OF CONTAINER (g)						384.90			
MASS OF DRY SOIL (g)						459.71			
WATER CONTENT W (%)						7.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

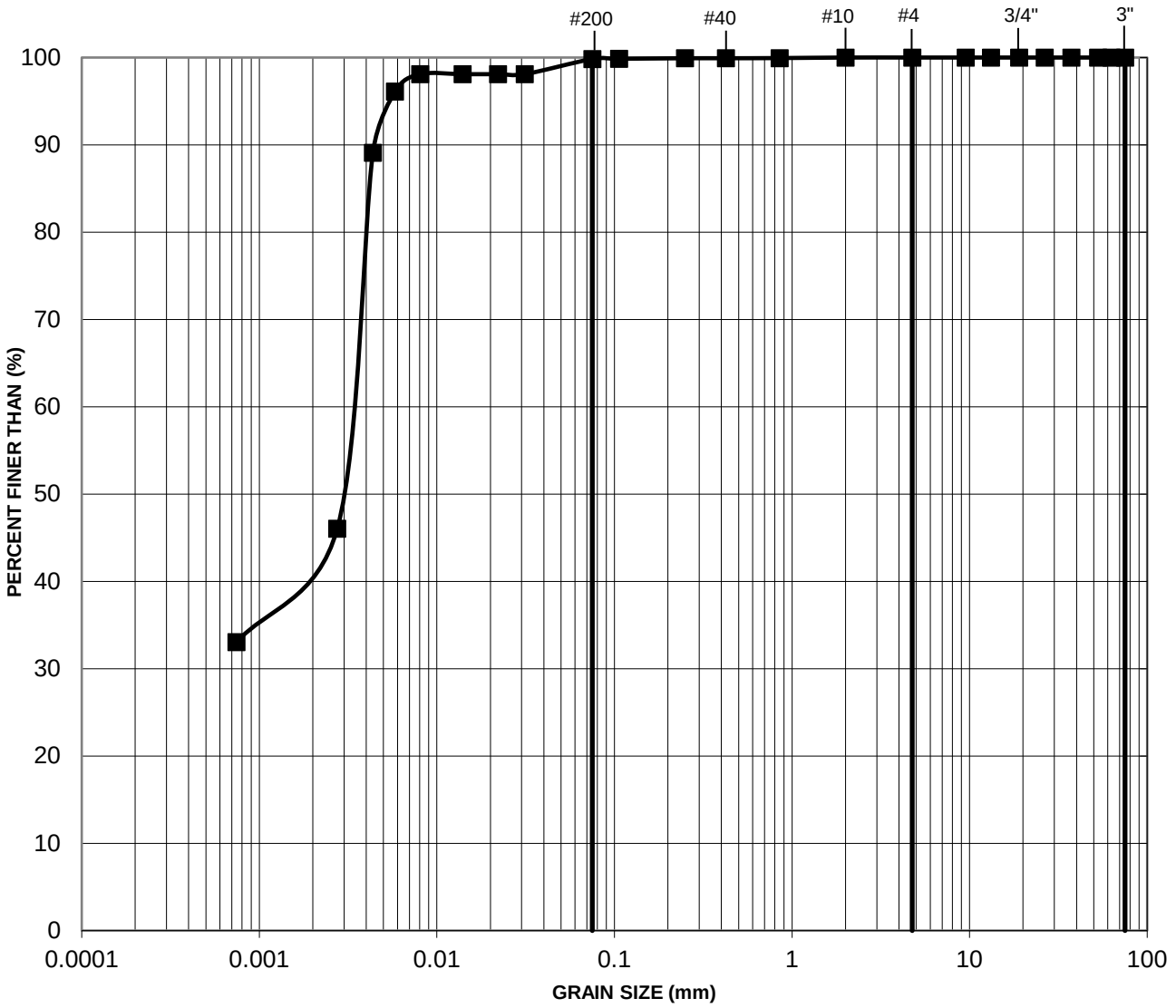


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH27	167490	15.8m - 16m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

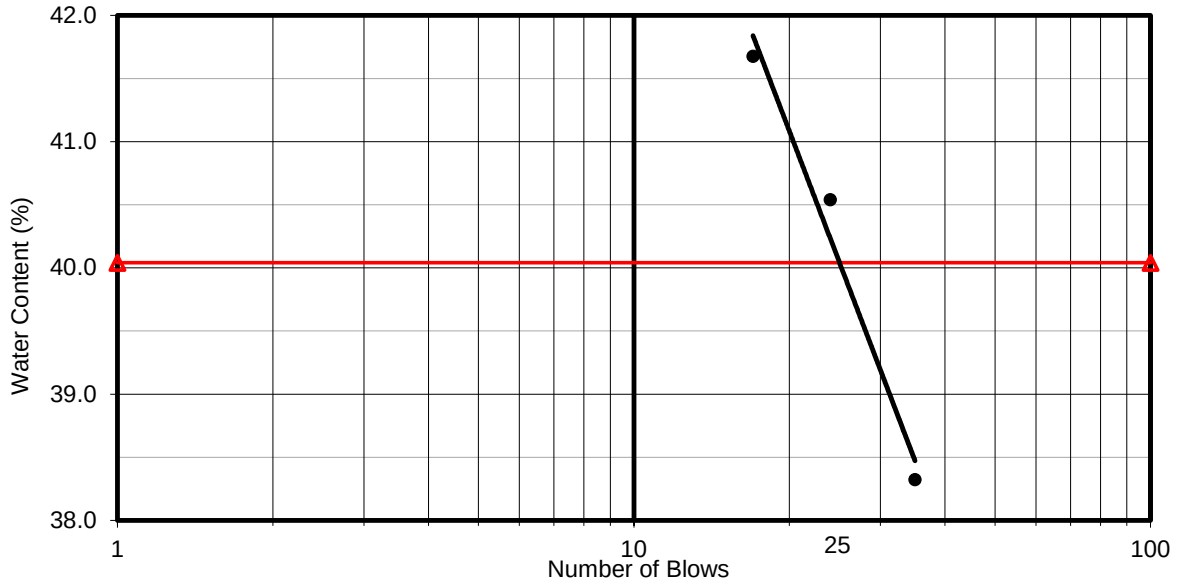
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G433**
Borehole:	**SRK22 TSF BH27**
Sample Number:	**167490**
Depth of Sample:	**15.8m - 16m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	9	9m	18			**X**	N	Z	
NUMBER OF BLOWS	35	24	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.00	18.19	17.69			624.68	26.42	26.58	
MASS DRY SOIL + TARE (g)	14.98	15.04	14.61			557.68	24.33	24.48	
MASS OF WATER (g)	3.02	3.15	3.08			67.00	2.09	2.10	
MASS OF CONTAINER (g)	7.10	7.27	7.22			385.47	14.31	14.27	
MASS OF DRY SOIL (g)	7.88	7.77	7.39			172.21	10.02	10.21	
WATER CONTENT W (%)	38.3	40.5	41.7			38.9	20.9	20.6	

LIQUID LIMIT (%)	**40.0**
PLASTIC LIMIT (%)	**20.7**
PLASTICITY INDEX (%)	**19.3**
W NATURAL (%)	**38.9**
LIQUIDITY INDEX	**0.94**

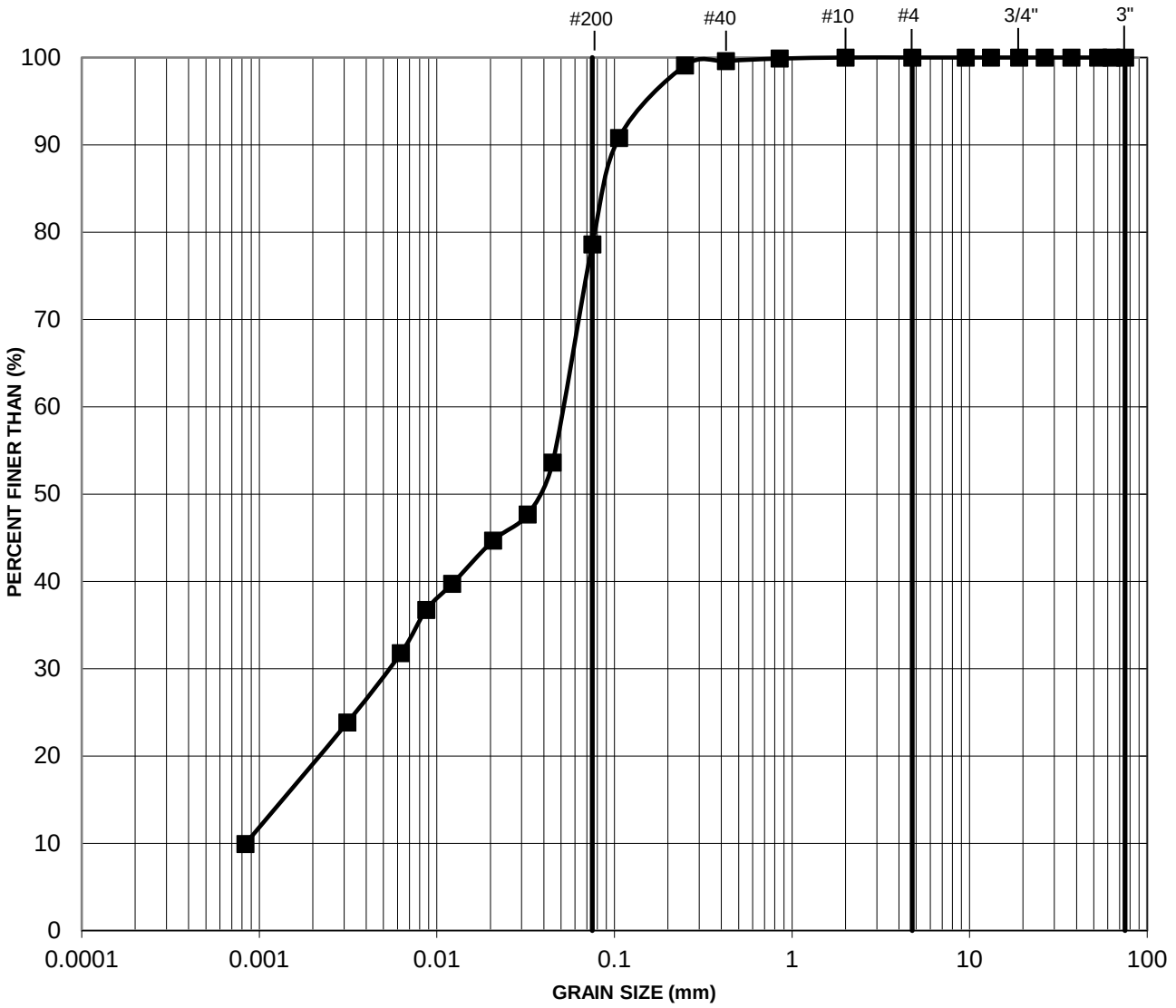


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH27	167492	20.1m - 20.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

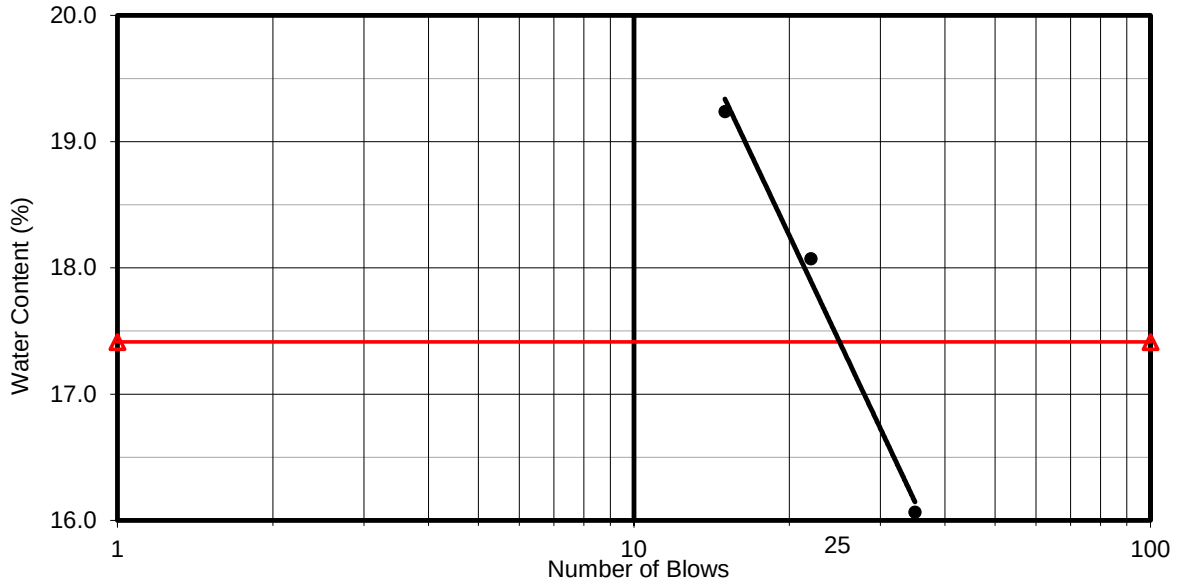
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G434**
Borehole:	**SRK22 TSF BH27**
Sample Number:	**167492**
Depth of Sample:	**20.1m - 20.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2m	3L	R6			**X**	A	R4	
NUMBER OF BLOWS	15	22	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.90	19.29	21.42			688.59	26.52	26.52	
MASS DRY SOIL + TARE (g)	16.18	17.45	19.46			634.45	25.09	25.08	
MASS OF WATER (g)	1.72	1.84	1.96			54.14	1.43	1.44	
MASS OF CONTAINER (g)	7.24	7.27	7.26			387.53	14.12	13.98	
MASS OF DRY SOIL (g)	8.94	10.18	12.20			246.92	10.97	11.10	
WATER CONTENT W (%)	19.2	18.1	16.1			21.9	13.0	13.0	

LIQUID LIMIT (%)	**17.4**
PLASTIC LIMIT (%)	**13.0**
PLASTICITY INDEX (%)	**4.4**
W NATURAL (%)	**21.9**
LIQUIDITY INDEX	**2.02**

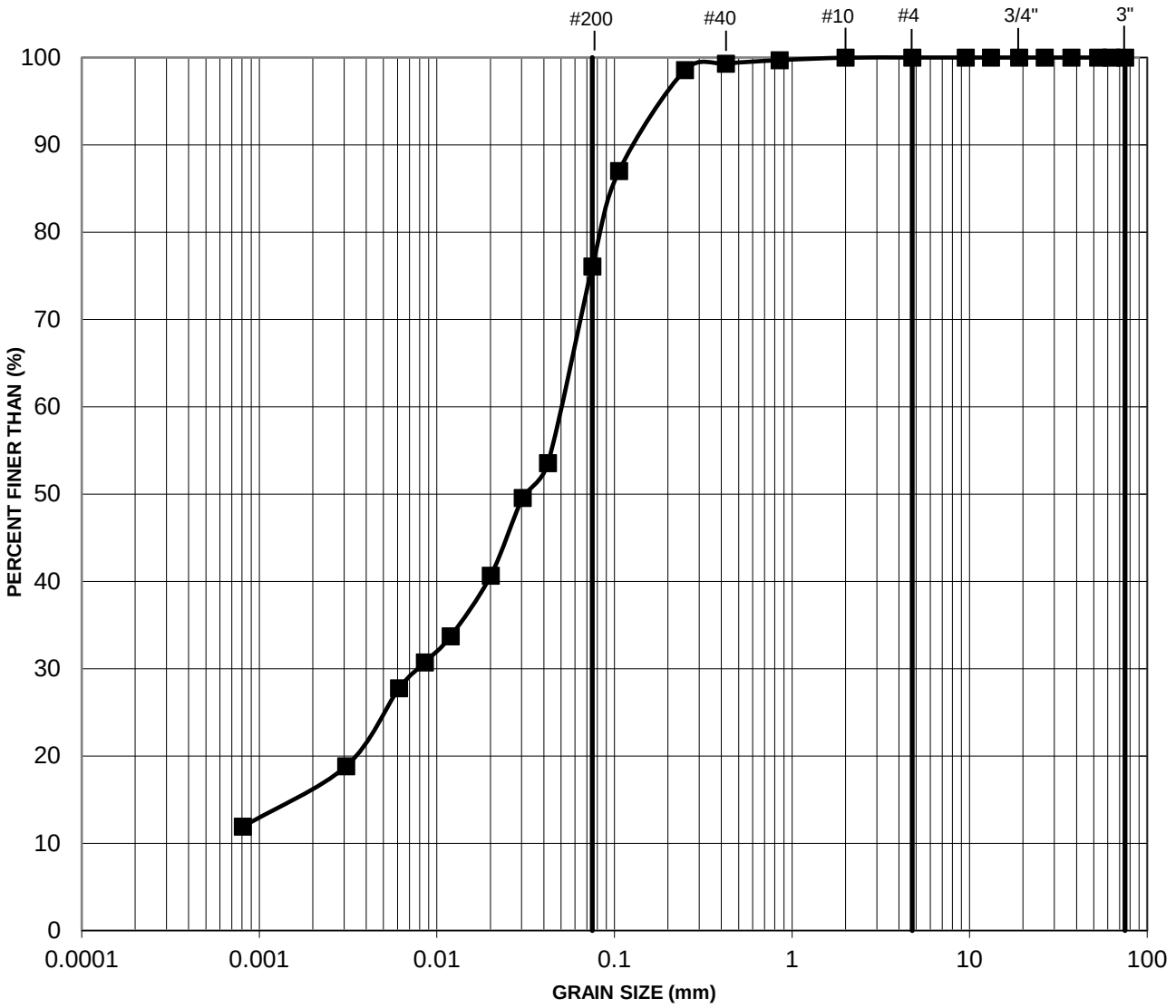


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH27	167493	23.2m - 23.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

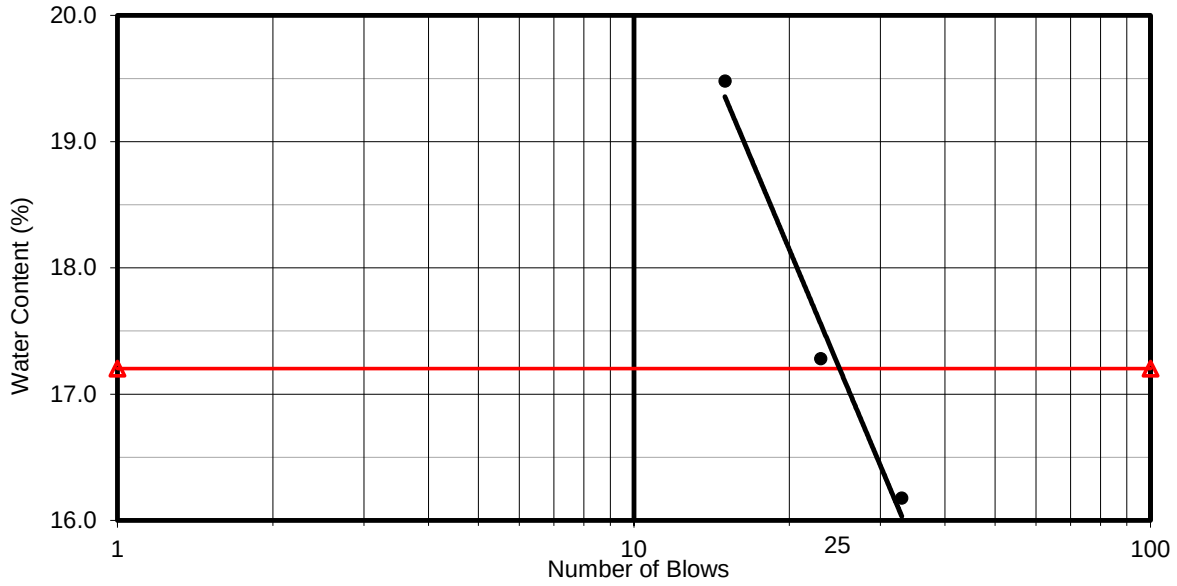
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G435**
Borehole:	**SRK22 TSF BH27**
Sample Number:	**167493**
Depth of Sample:	**23.2m - 23.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	6	R7	R8L			**X**	R6	AB16	
NUMBER OF BLOWS	15	33	23			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.27	20.70	18.95			796.15	27.48	26.67	
MASS DRY SOIL + TARE (g)	16.47	18.82	17.22			732.76	25.97	25.20	
MASS OF WATER (g)	1.80	1.88	1.73			63.39	1.51	1.47	
MASS OF CONTAINER (g)	7.23	7.20	7.21			394.89	14.19	13.55	
MASS OF DRY SOIL (g)	9.24	11.62	10.01			337.87	11.78	11.65	
WATER CONTENT W (%)	19.5	16.2	17.3			18.8	12.8	12.6	

LIQUID LIMIT (%)	**17.2**
PLASTIC LIMIT (%)	**12.7**
PLASTICITY INDEX (%)	**4.5**
W NATURAL (%)	**18.8**
LIQUIDITY INDEX	**1.35**



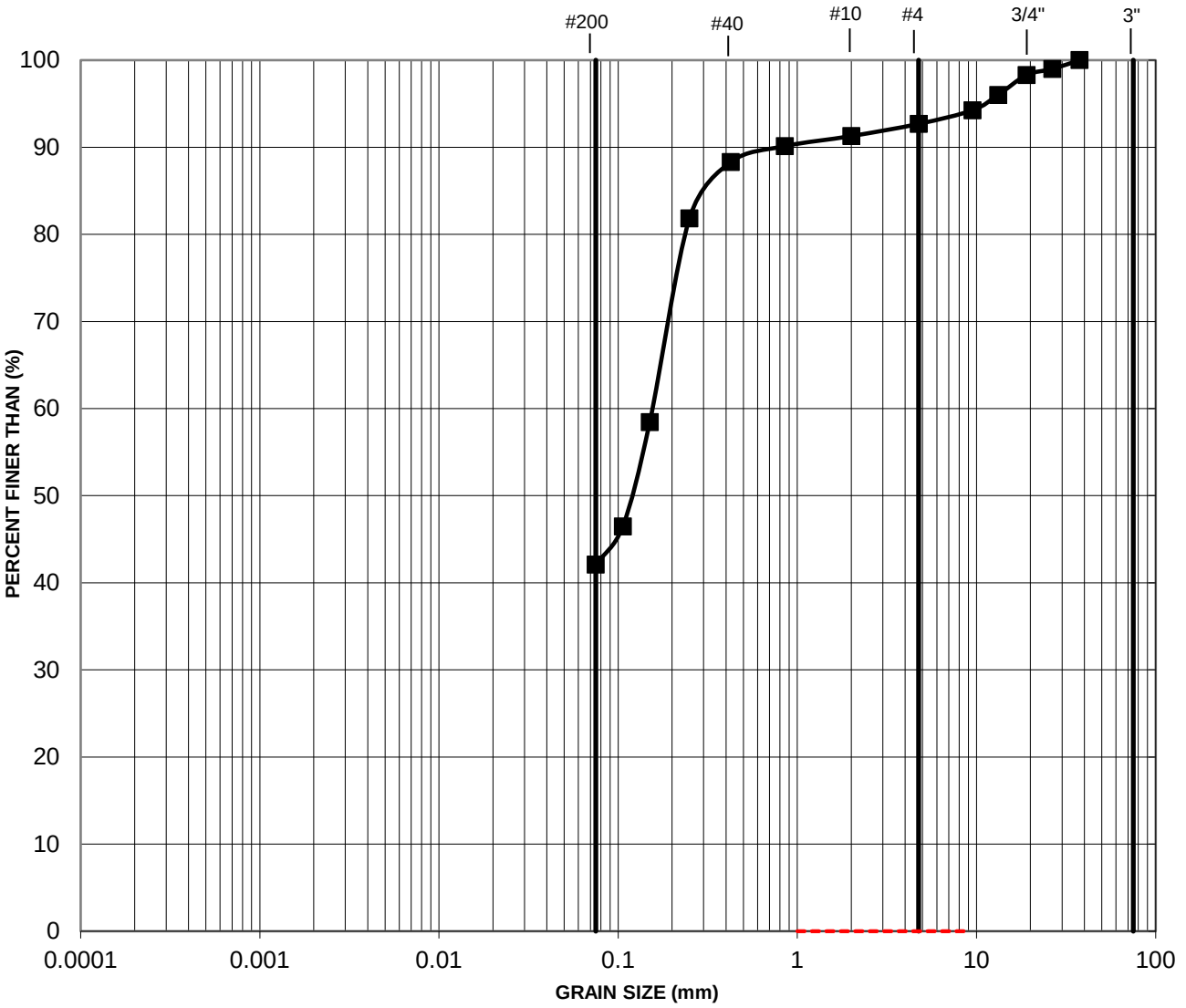
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH27	167496	29.3m - 29.6m

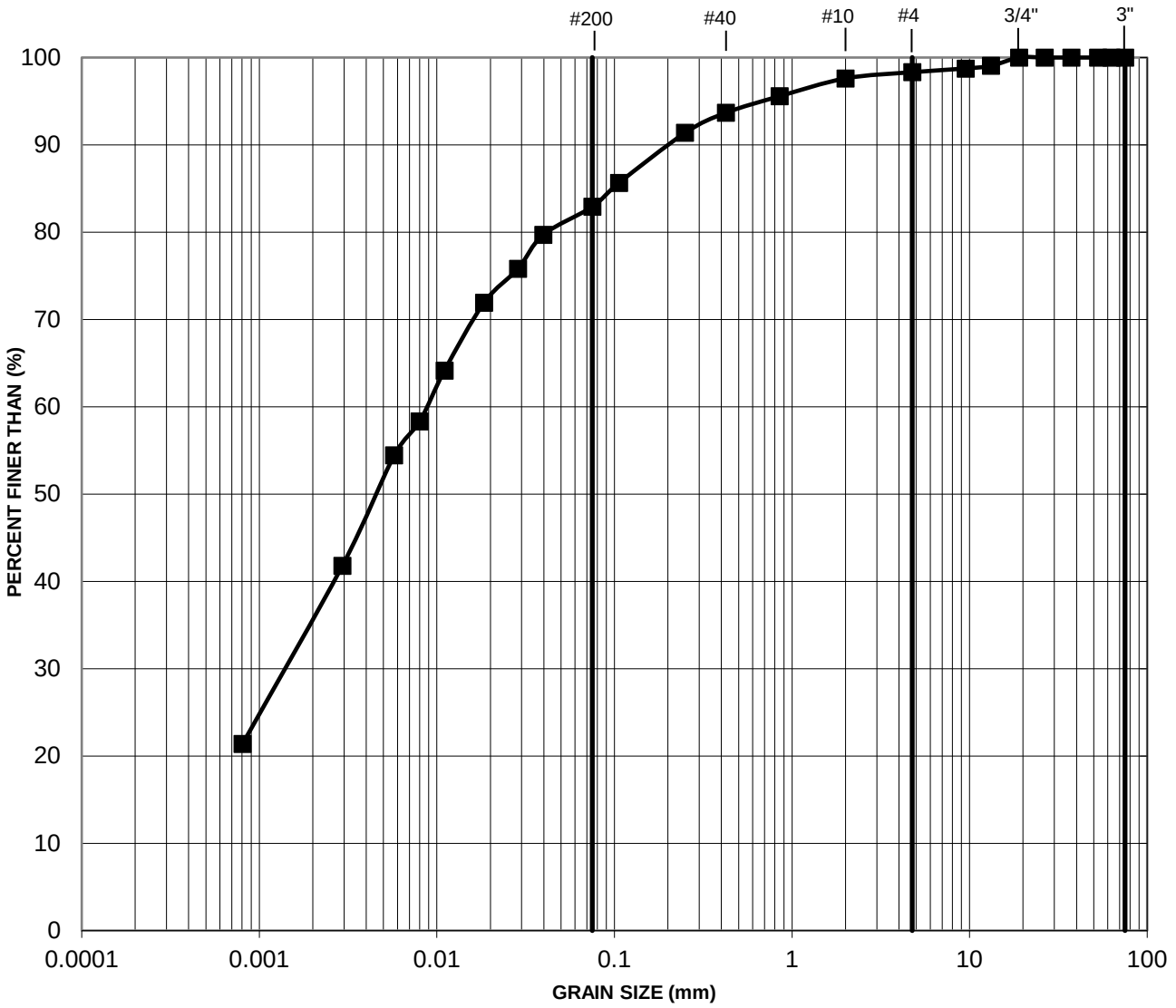
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH11	167704	4.6m - 4.9m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

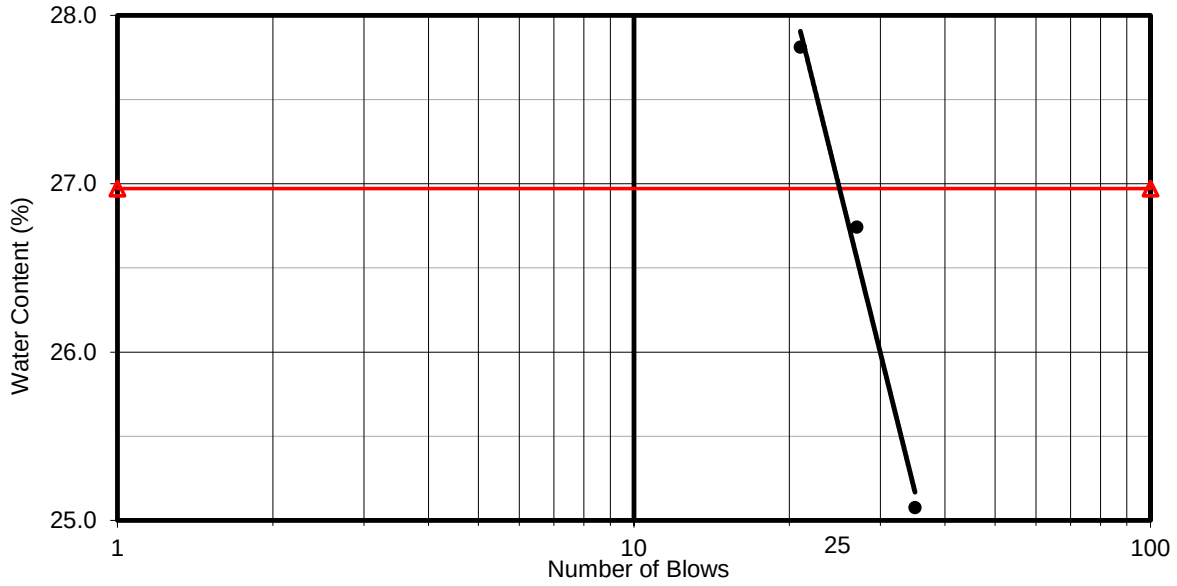
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 14, 2022**
Technician:	**HAB**
Lab Number:	**G437**
Borehole:	**SRK22 TSF BH11**
Sample Number:	**167704**
Depth of Sample:	**4.6m - 4.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7	10	r24a			X	28	38	
NUMBER OF BLOWS	21	27	35			X	X	X	X
MASS WET SOIL + TARE (g)	17.44	19.28	19.35			933.36	33.04	33.67	
MASS DRY SOIL + TARE (g)	15.19	16.71	16.91			842.48	31.50	32.12	
MASS OF WATER (g)	2.25	2.57	2.44			90.88	1.54	1.55	
MASS OF CONTAINER (g)	7.10	7.10	7.18			383.64	20.49	21.45	
MASS OF DRY SOIL (g)	8.09	9.61	9.73			458.84	11.01	10.67	
WATER CONTENT W (%)	27.8	26.7	25.1			19.8	14.0	14.5	

LIQUID LIMIT (%)	**27.0**
PLASTIC LIMIT (%)	**14.3**
PLASTICITY INDEX (%)	**12.7**
W NATURAL (%)	**19.8**
LIQUIDITY INDEX	**0.44**



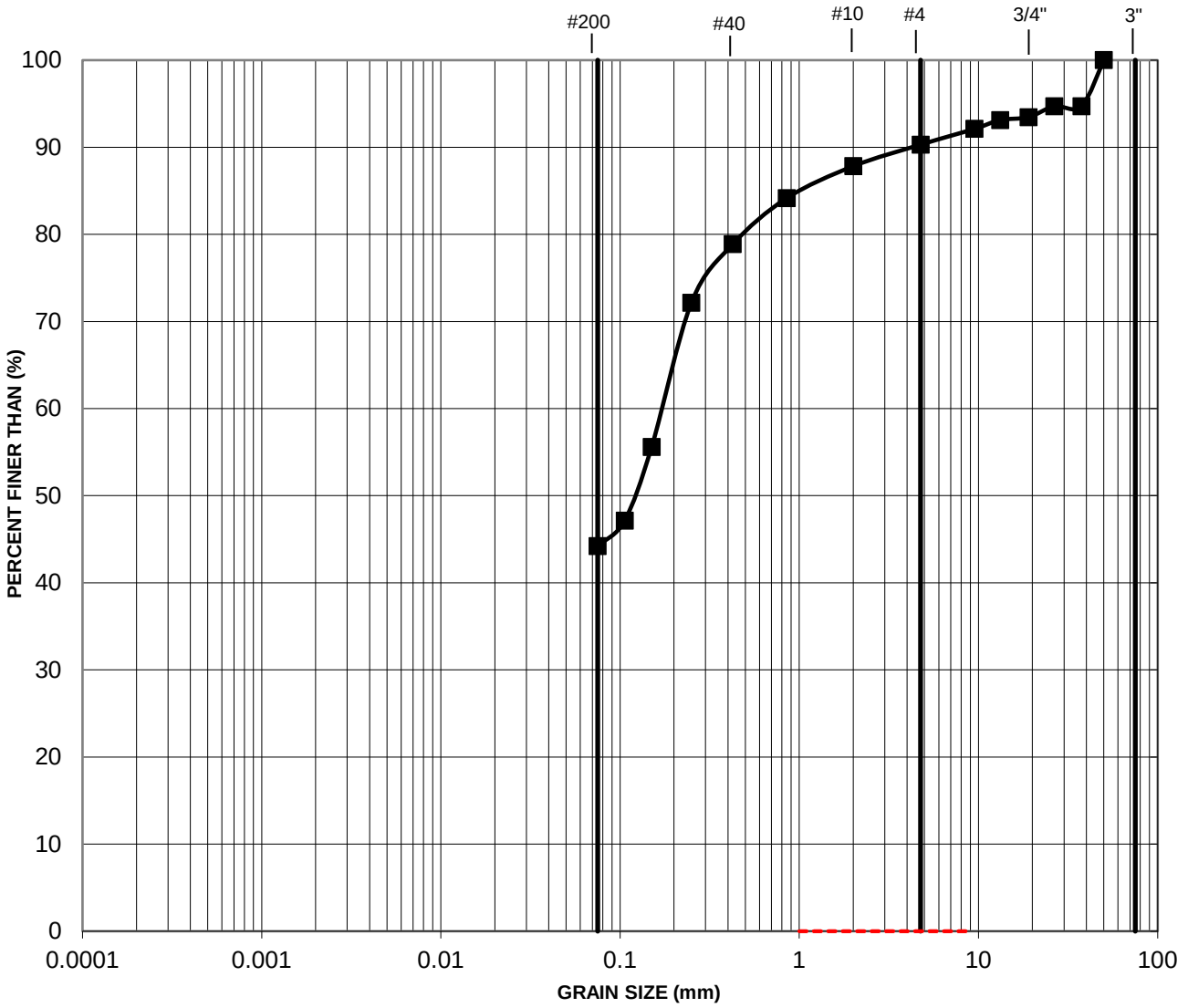
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH11	167706	7.3m - 7.6m

Project No./Phase/Task: 21473972-13000

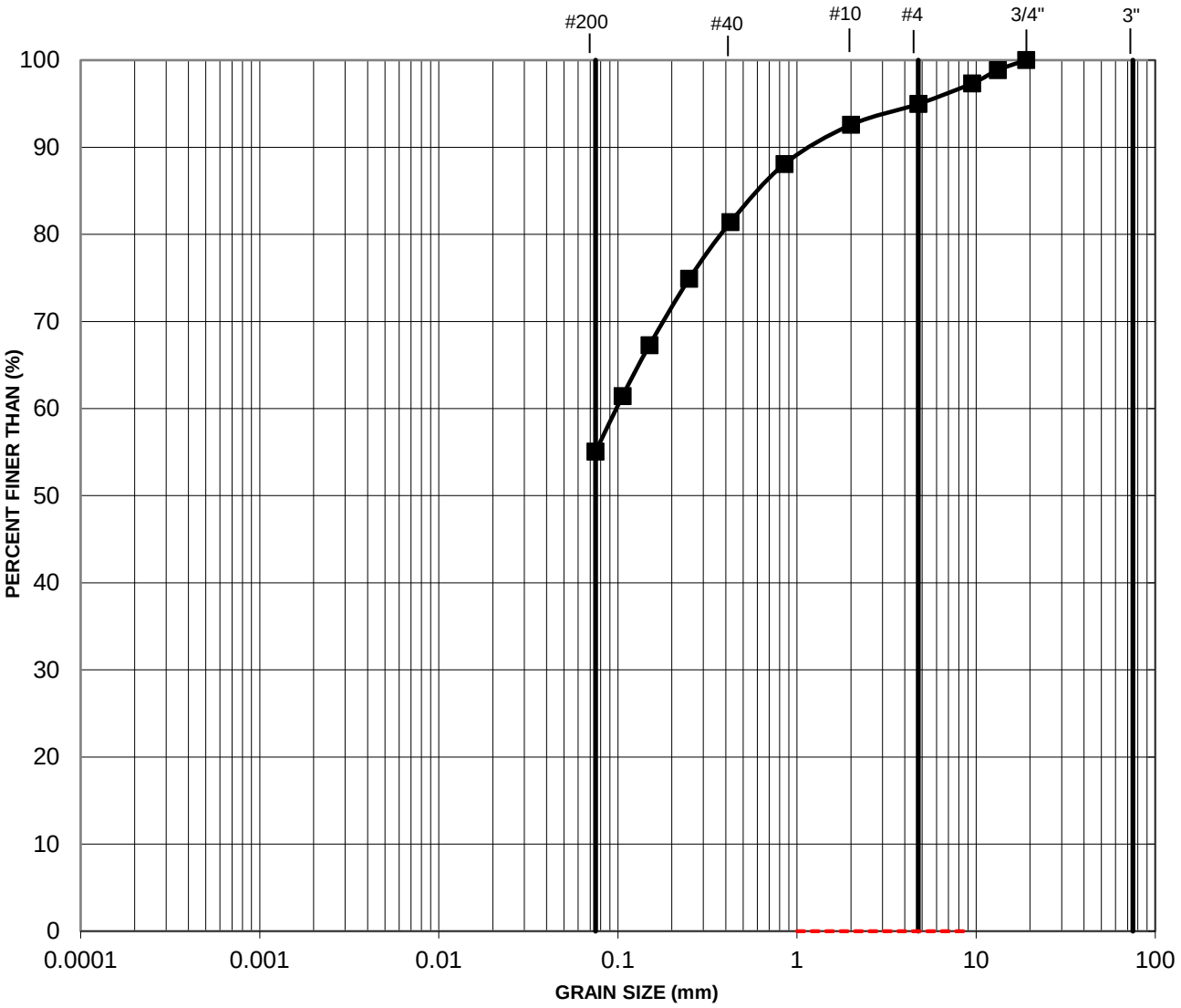
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH11	167716	33.5m - 33.8m

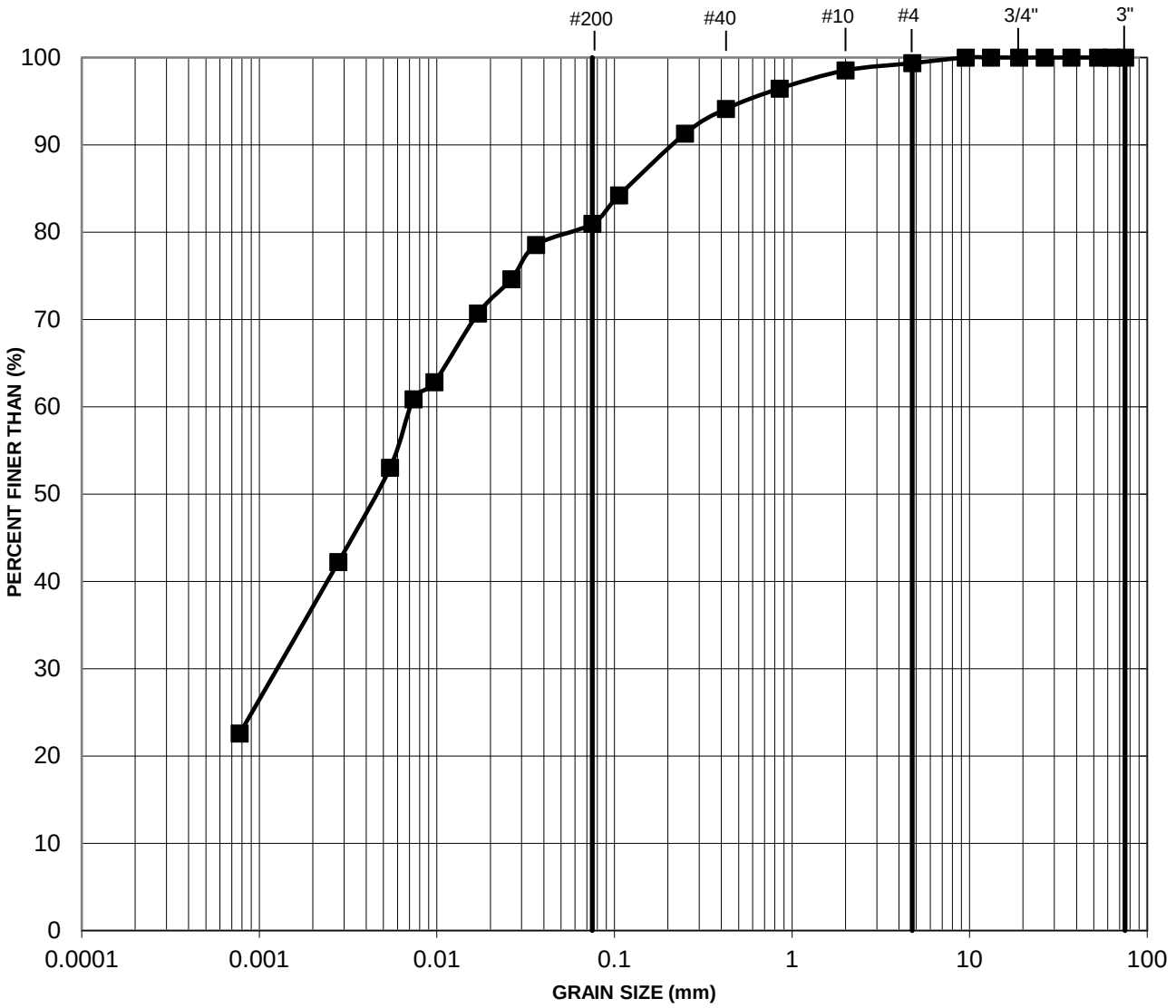
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH23	167305	5.5m - 5.7m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

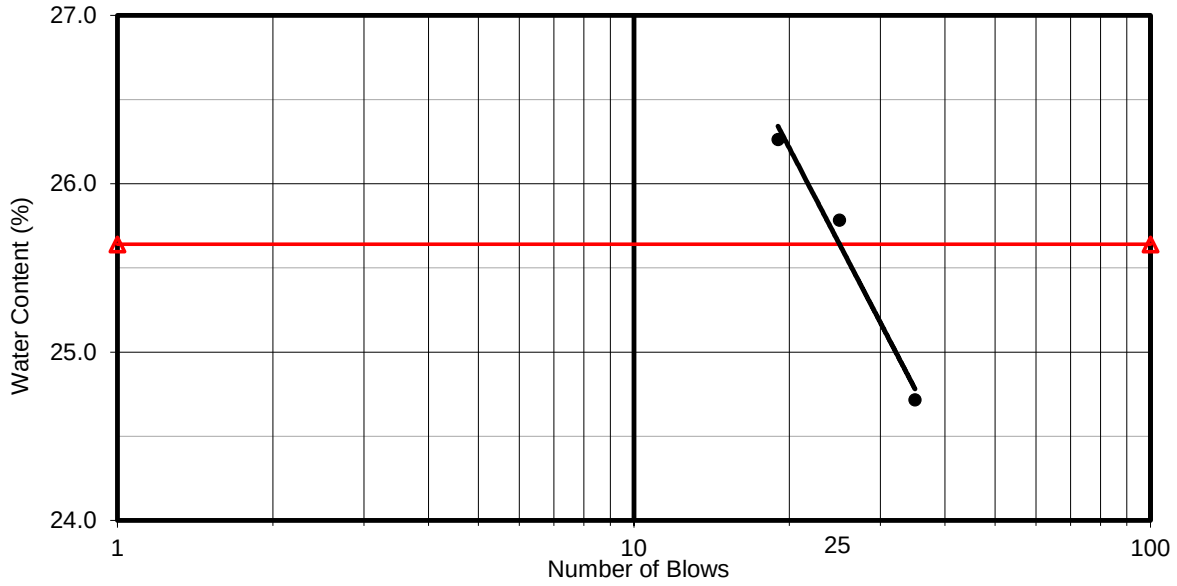
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 14, 2022**
Technician:	**HAB**
Lab Number:	**G440**
Borehole:	**SRK22 TSF BH23**
Sample Number:	**167305**
Depth of Sample:	**5.5m - 5.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	2m	4m			**X**	14	81	
NUMBER OF BLOWS	25	35	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	20.04	18.24	18.54			834.98	32.88	33.56	
MASS DRY SOIL + TARE (g)	17.41	16.06	16.20			745.94	31.35	31.99	
MASS OF WATER (g)	2.63	2.18	2.34			89.04	1.53	1.57	
MASS OF CONTAINER (g)	7.21	7.24	7.29			316.51	20.97	21.65	
MASS OF DRY SOIL (g)	10.20	8.82	8.91			429.43	10.38	10.34	
WATER CONTENT W (%)	25.8	24.7	26.3			20.7	14.7	15.2	

LIQUID LIMIT (%)	**25.6**
PLASTIC LIMIT (%)	**15.0**
PLASTICITY INDEX (%)	**10.7**
W NATURAL (%)	**20.7**
LIQUIDITY INDEX	**0.54**

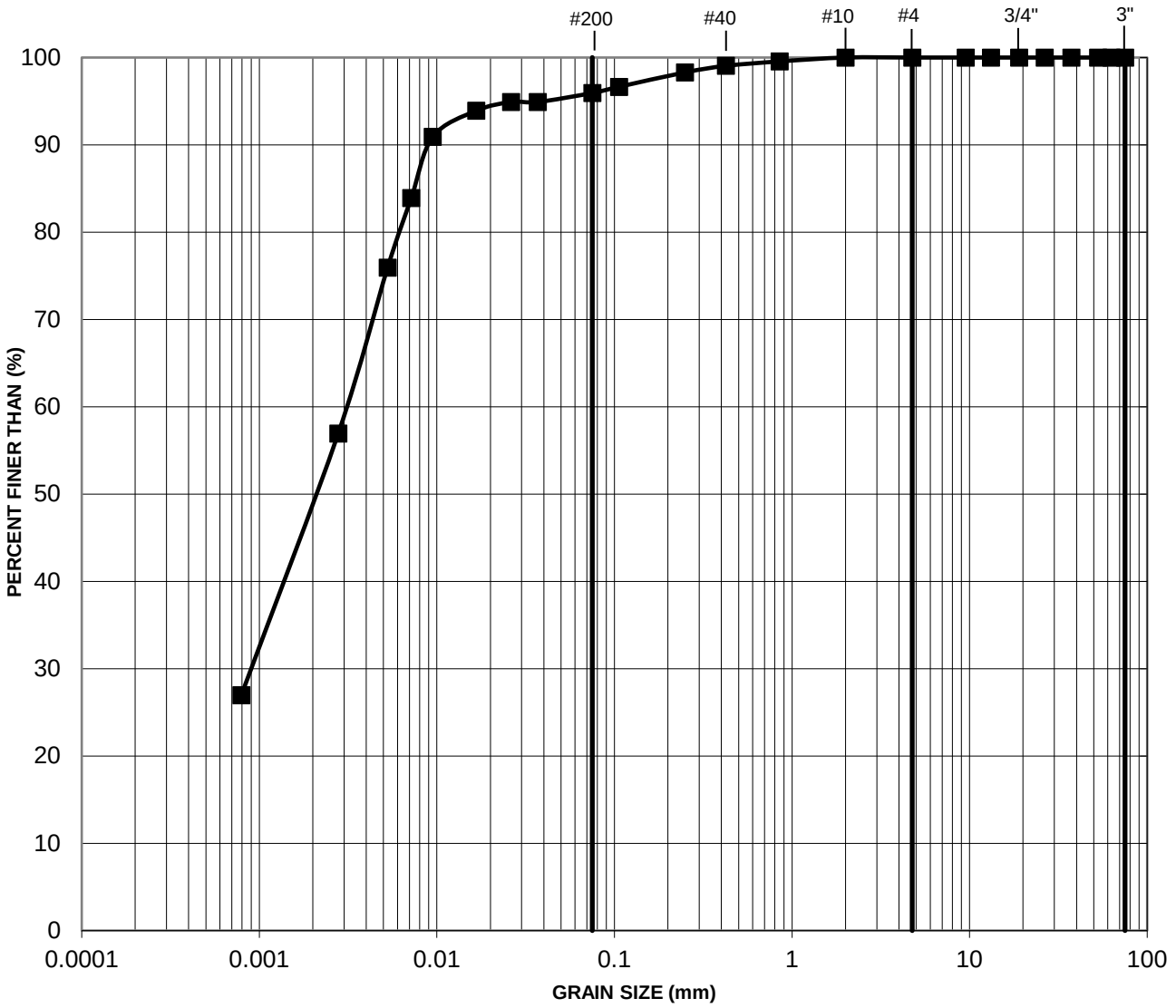


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH23	167307	8.2m - 8.4m

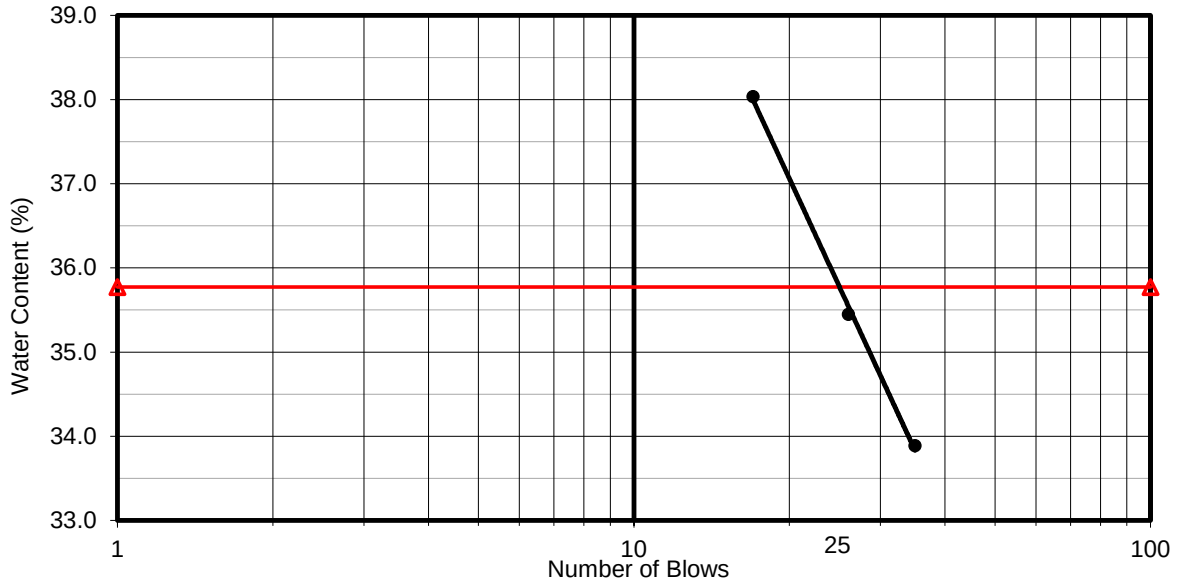
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G441**
Borehole:	**SRK22 TSF BH23**
Sample Number:	**167307**
Depth of Sample:	**8.2m - 8.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5	8	69			**X**	T	MR29	
NUMBER OF BLOWS	35	26	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.66	17.46	18.46			677.62	24.79	25.54	
MASS DRY SOIL + TARE (g)	15.02	14.78	15.36			598.39	22.91	23.70	
MASS OF WATER (g)	2.64	2.68	3.10			79.23	1.88	1.84	
MASS OF CONTAINER (g)	7.23	7.22	7.21			304.95	13.45	14.24	
MASS OF DRY SOIL (g)	7.79	7.56	8.15			293.44	9.46	9.46	
WATER CONTENT W (%)	33.9	35.4	38.0			27.0	19.9	19.5	

LIQUID LIMIT (%)	**35.8**
PLASTIC LIMIT (%)	**19.7**
PLASTICITY INDEX (%)	**16.1**
W NATURAL (%)	**27.0**
LIQUIDITY INDEX	**0.46**

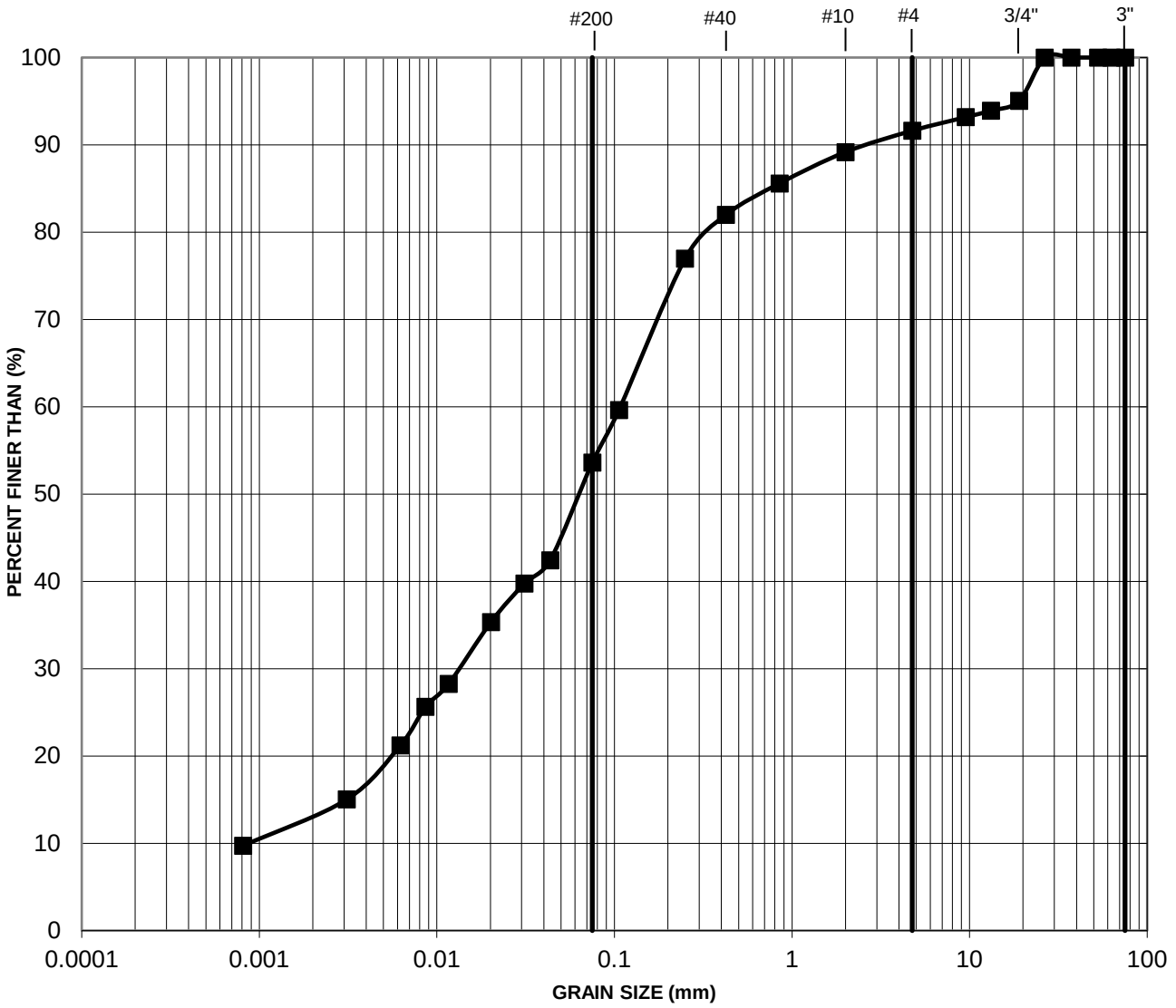


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH23	167308	10.4m - 10.7m

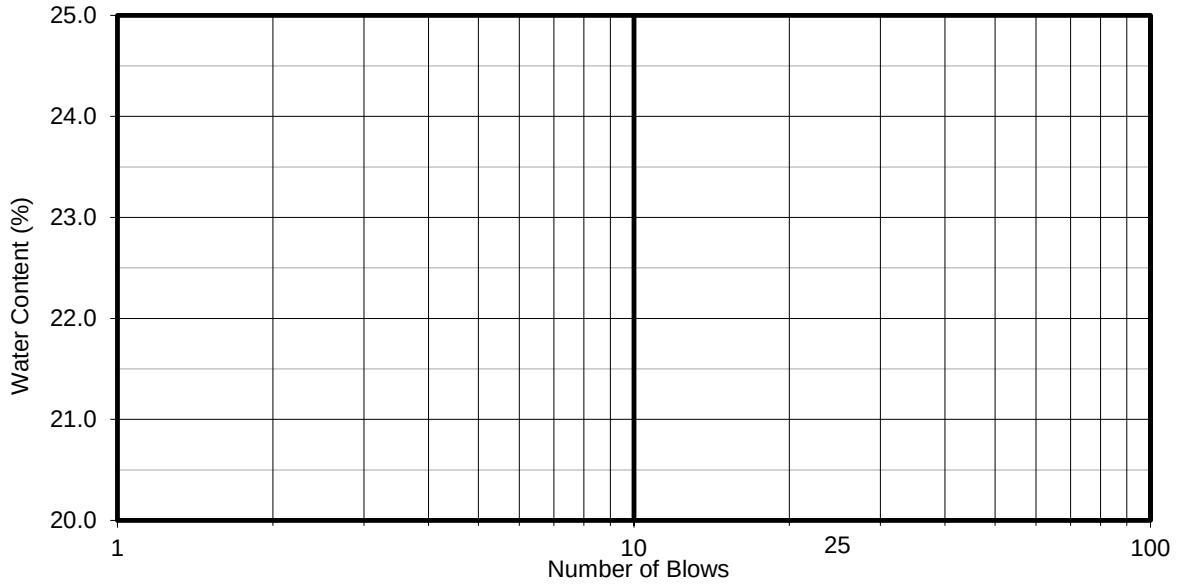
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**EG**
Lab Number:	**G442**
Borehole:	**SRK22 TSF BH23**
Sample Number:	**167308**
Depth of Sample:	**10.4m - 10.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1008.48			
MASS DRY SOIL + TARE (g)						954.70			
MASS OF WATER (g)						53.78			
MASS OF CONTAINER (g)						311.31			
MASS OF DRY SOIL (g)						643.39			
WATER CONTENT W (%)						8.4			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

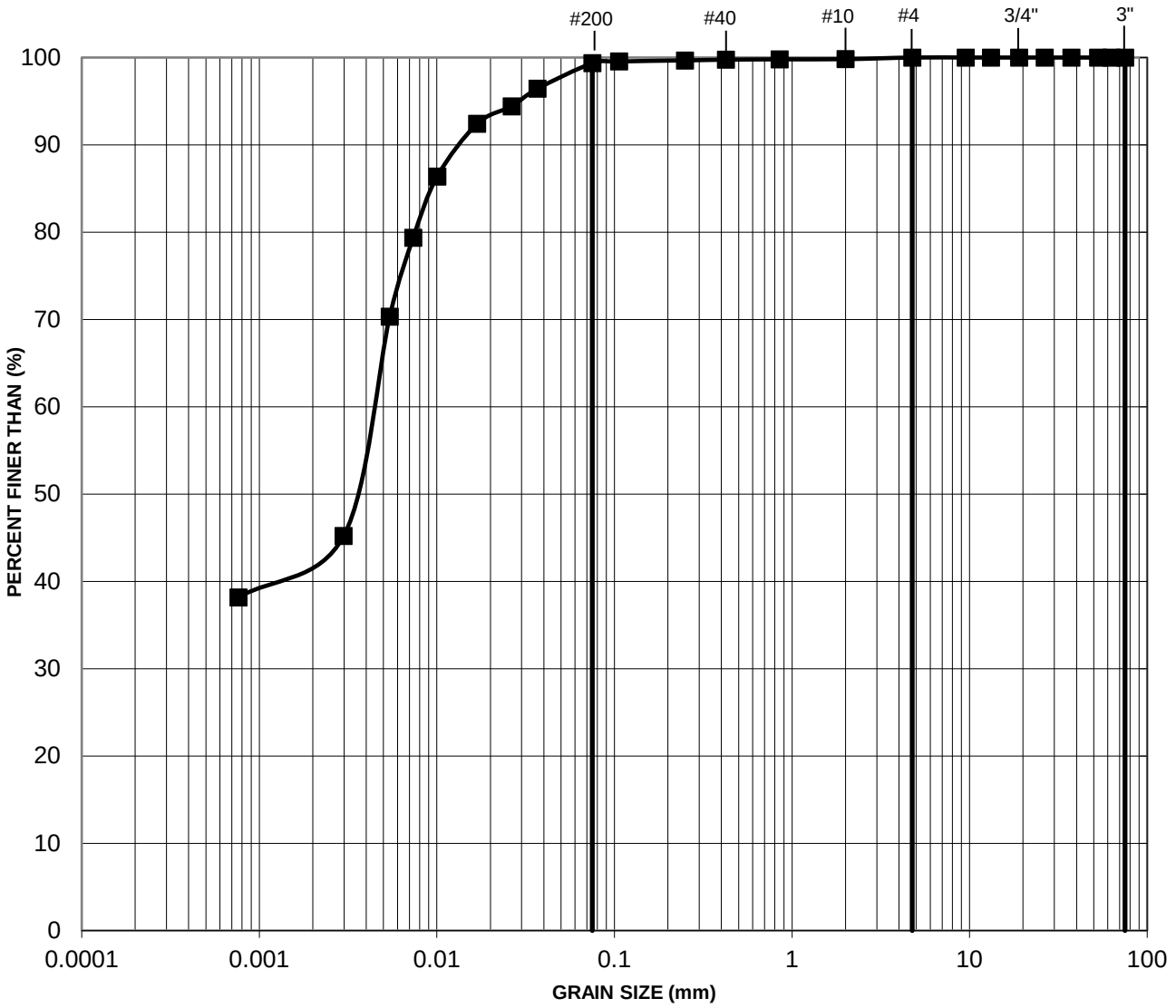


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH23	167311	19.5m - 19.8m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

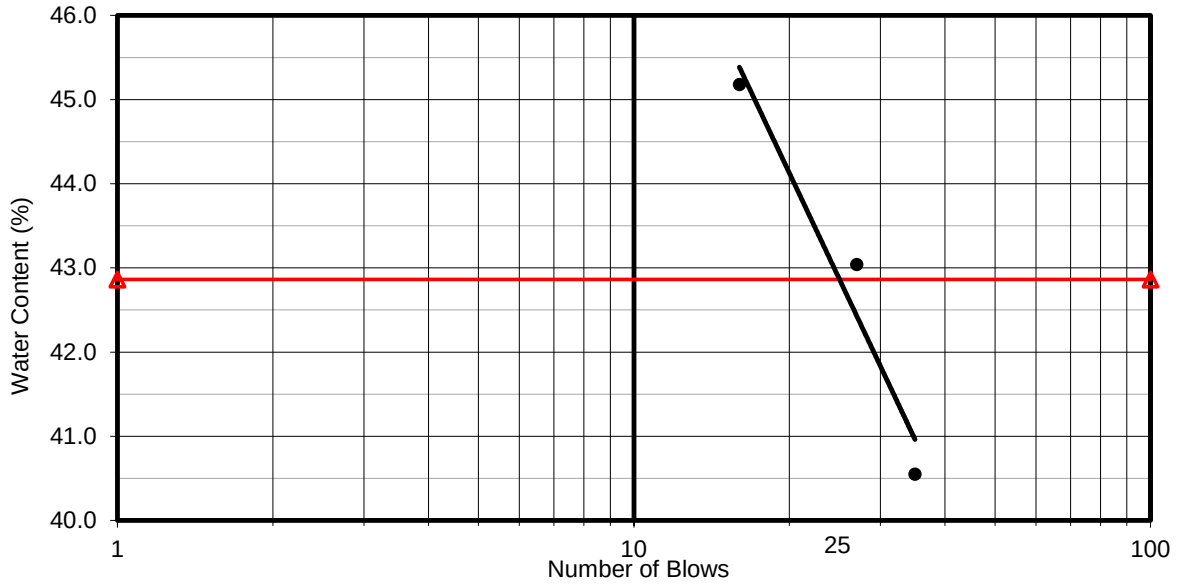
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**12-May-22**
Technician:	**HAB**
Lab Number:	**G443**
Borehole:	**SRK22 TSF BH23**
Sample Number:	**167311**
Depth of Sample:	**19.5m - 19.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	53	89	401			**X**	8m	R22	
NUMBER OF BLOWS	35	27	16			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	21.70	23.05	22.63			716.29	24.79	25.74	
MASS DRY SOIL + TARE (g)	18.61	19.40	19.02			635.86	22.65	23.59	
MASS OF WATER (g)	3.09	3.65	3.61			80.43	2.14	2.15	
MASS OF CONTAINER (g)	10.99	10.92	11.03			312.96	13.89	14.41	
MASS OF DRY SOIL (g)	7.62	8.48	7.99			322.90	8.76	9.18	
WATER CONTENT W (%)	40.6	43.0	45.2			24.9	24.4	23.4	

LIQUID LIMIT (%)	**42.9**
PLASTIC LIMIT (%)	**23.9**
PLASTICITY INDEX (%)	**18.9**
W NATURAL (%)	**24.9**
LIQUIDITY INDEX	**0.05**



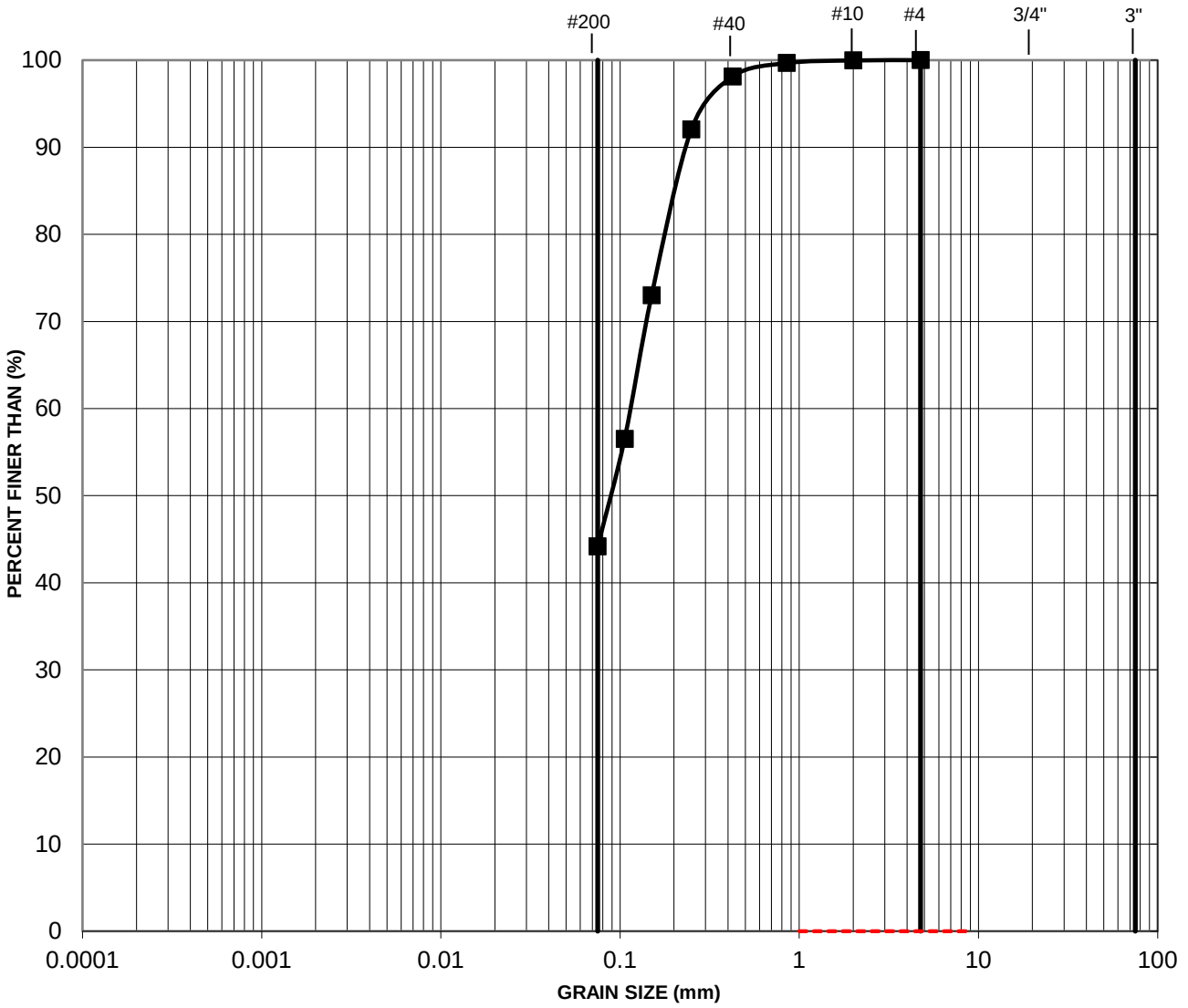
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22 TSF BH23	167313	21.3m - 21.6m

Project No./Phase/Task: 21473972-13000

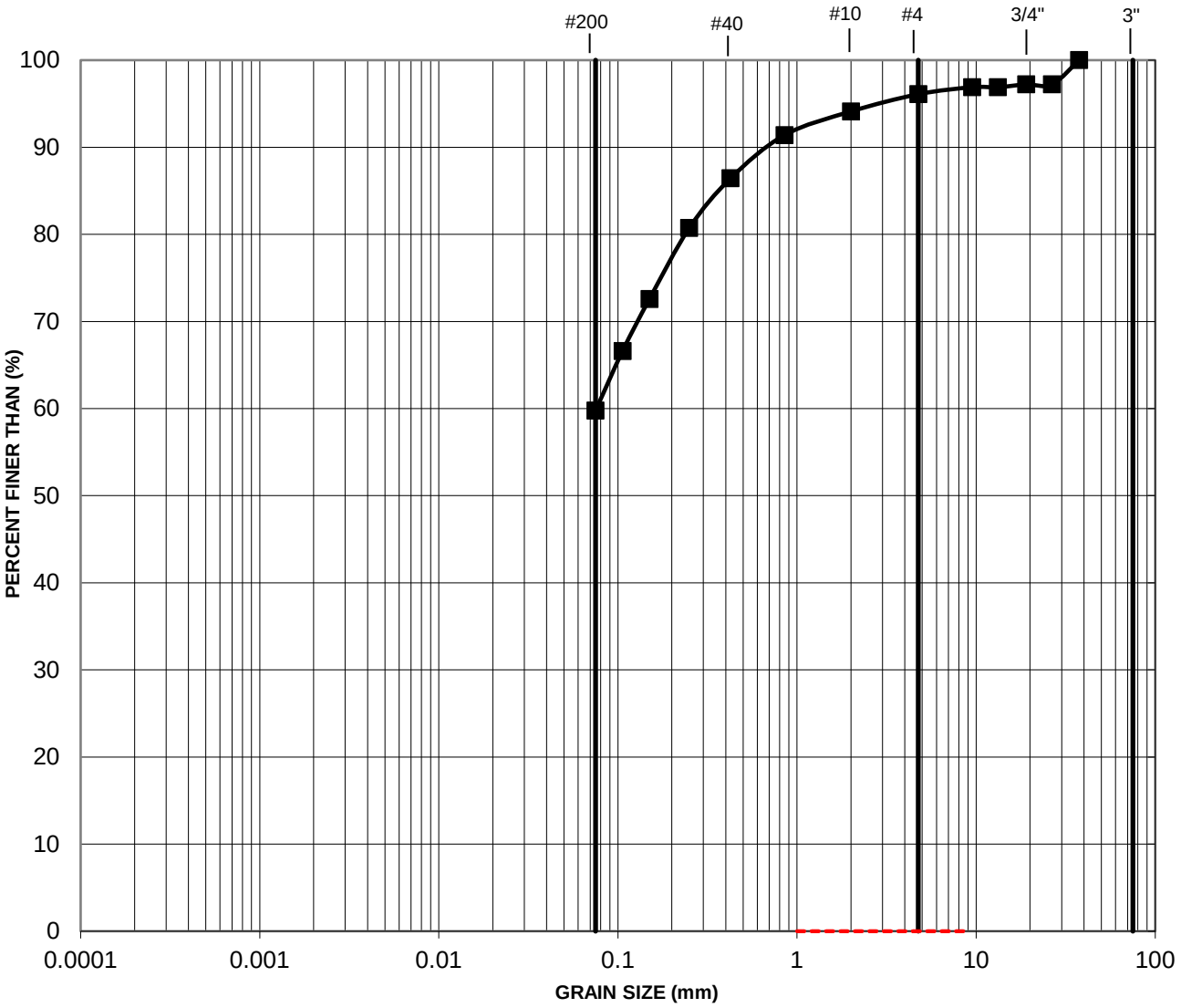
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH23	167318	27.4m - 27.7m

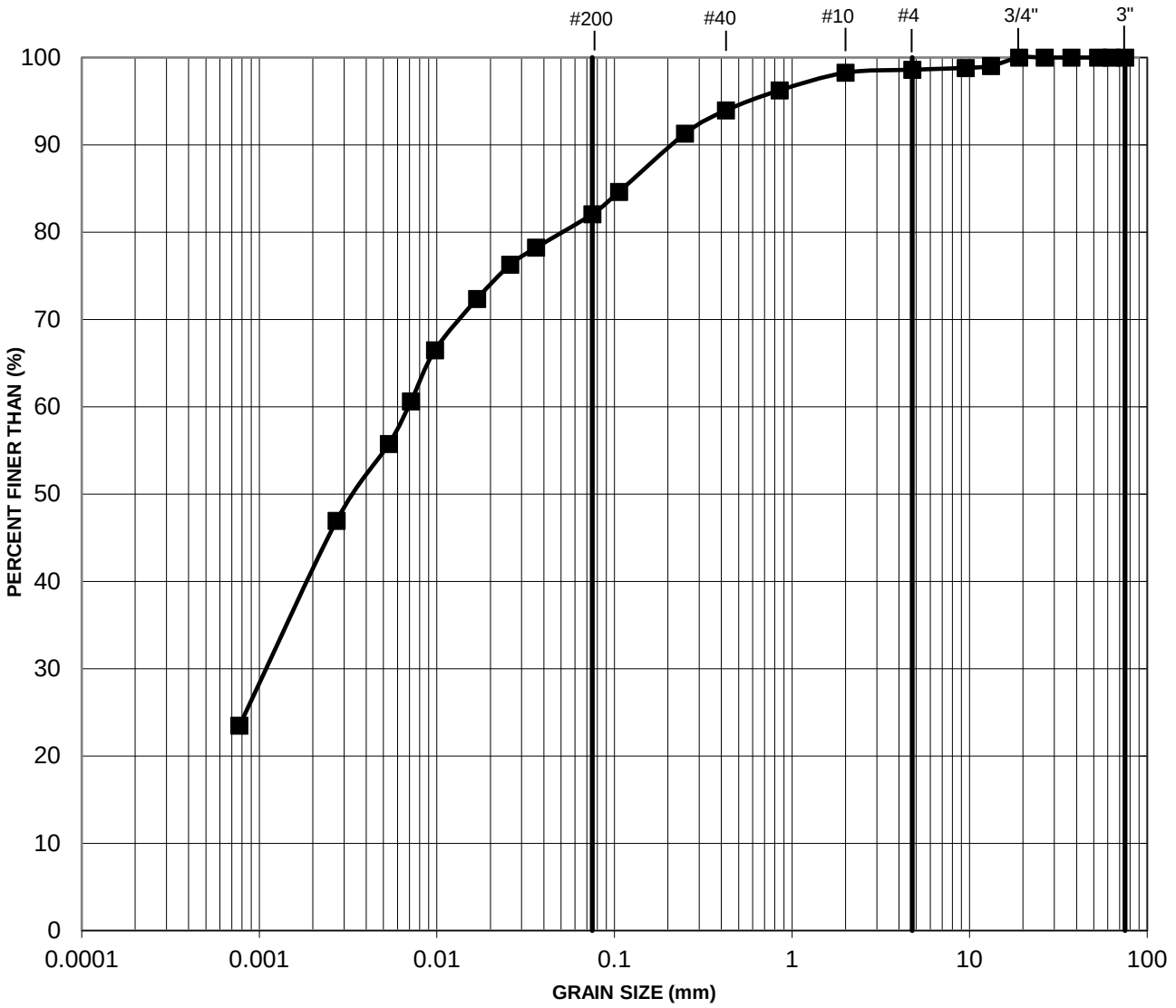
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH06	167324	5.2m - 5.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

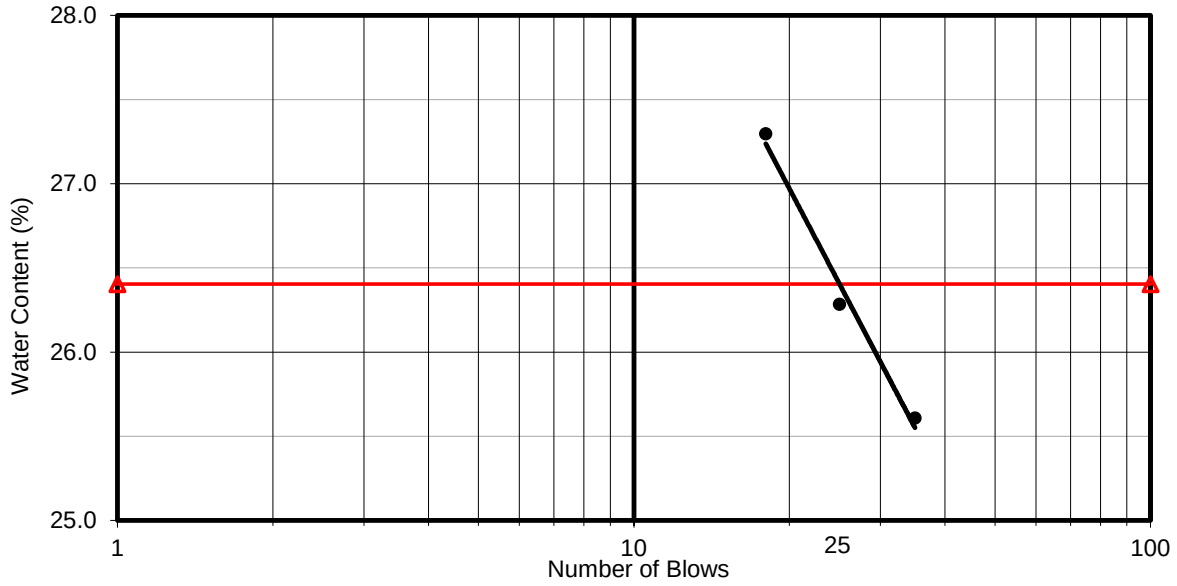
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**EG**
Lab Number:	**G446**
Borehole:	**SRK22 TSF BH06**
Sample Number:	**167324**
Depth of Sample:	**5.2m - 5.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7l	2	1			X	32	55	
NUMBER OF BLOWS	35	25	18			X	X	X	X
MASS WET SOIL + TARE (g)	20.70	24.18	25.65			811.37	33.09	33.70	
MASS DRY SOIL + TARE (g)	17.97	20.65	21.67			723.50	31.64	32.23	
MASS OF WATER (g)	2.73	3.53	3.98			87.87	1.45	1.47	
MASS OF CONTAINER (g)	7.31	7.22	7.09			314.34	20.65	21.35	
MASS OF DRY SOIL (g)	10.66	13.43	14.58			409.16	10.99	10.88	
WATER CONTENT W (%)	25.6	26.3	27.3			21.5	13.2	13.5	

LIQUID LIMIT (%)	**26.4**
PLASTIC LIMIT (%)	**13.4**
PLASTICITY INDEX (%)	**13.1**
W NATURAL (%)	**21.5**
LIQUIDITY INDEX	**0.62**

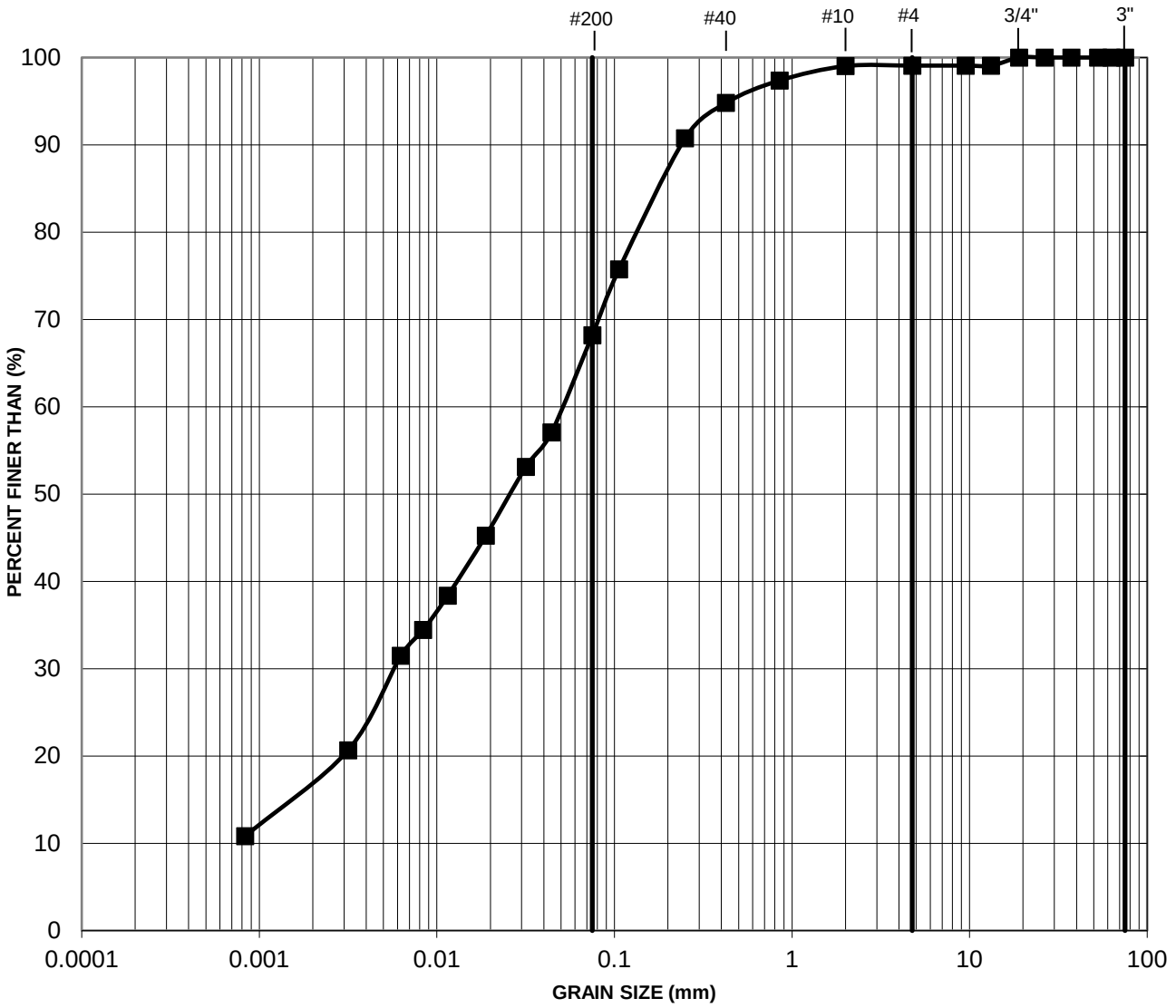


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH06	167327	10.7m - 11m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

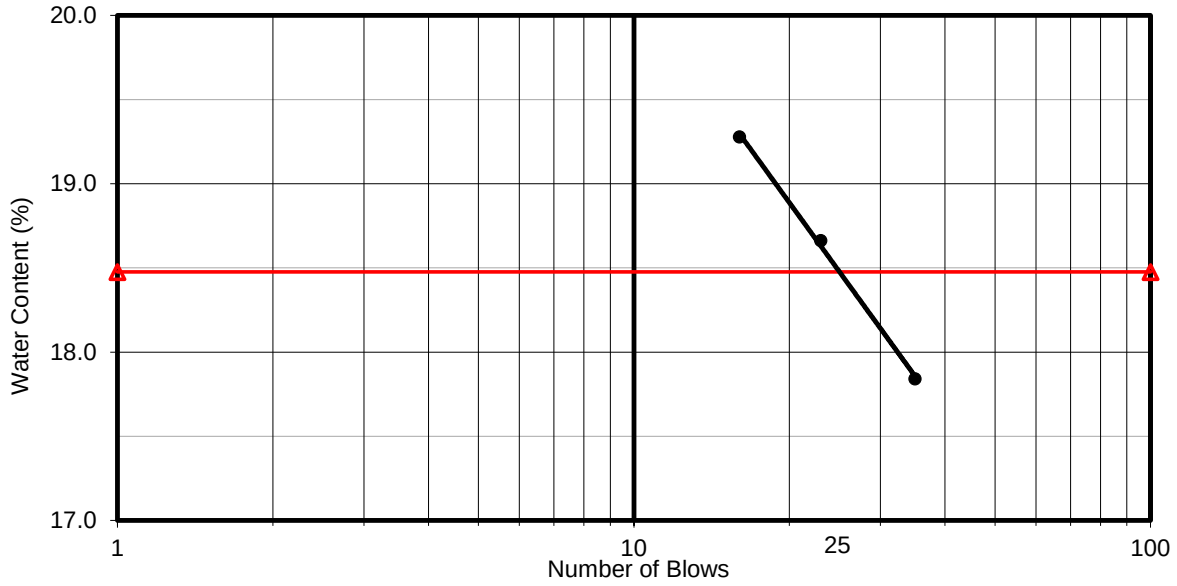
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G447**
Borehole:	**SRK22 TSF BH06**
Sample Number:	**167327**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	53	67	70			X	83	91	
NUMBER OF BLOWS	16	35	23			X	X	X	X
MASS WET SOIL + TARE (g)	22.24	22.00	22.87			832.64	33.66	34.17	
MASS DRY SOIL + TARE (g)	20.42	20.33	21.00			788.66	32.07	32.62	
MASS OF WATER (g)	1.82	1.67	1.87			43.98	1.59	1.55	
MASS OF CONTAINER (g)	10.98	10.97	10.98			312.19	21.08	21.58	
MASS OF DRY SOIL (g)	9.44	9.36	10.02			476.47	10.99	11.04	
WATER CONTENT W (%)	19.3	17.8	18.7			9.2	14.5	14.0	

LIQUID LIMIT (%)	**18.5**
PLASTIC LIMIT (%)	**14.3**
PLASTICITY INDEX (%)	**4.2**
W NATURAL (%)	**9.2**
LIQUIDITY INDEX	**-1.19**

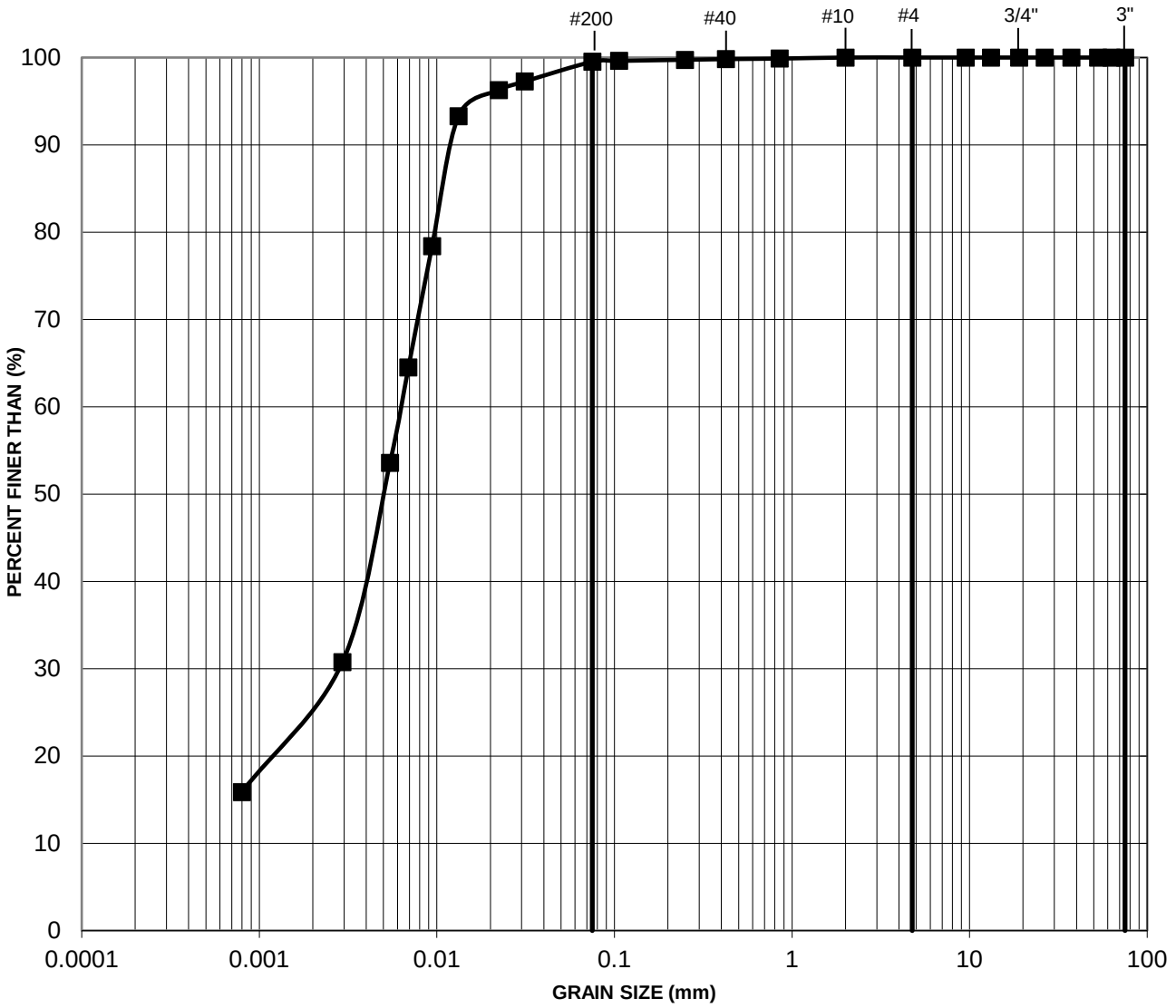


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH06	167331	19.8m - 20.1m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

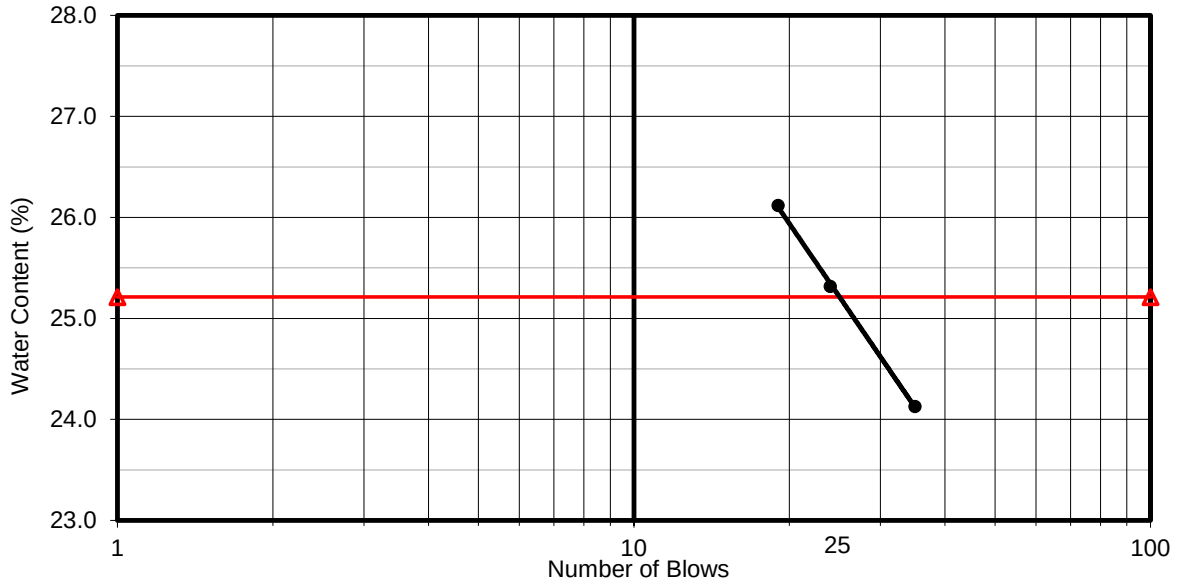
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G448**
Borehole:	**SRK22 TSF BH06**
Sample Number:	**167331**
Depth of Sample:	**19.8m - 20.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	33	67	70			**X**	4m	7m	
NUMBER OF BLOWS	24	35	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	22.84	21.67	21.13			514.08	25.97	26.06	
MASS DRY SOIL + TARE (g)	20.46	19.59	19.03			469.84	23.99	24.07	
MASS OF WATER (g)	2.38	2.08	2.10			44.24	1.98	1.99	
MASS OF CONTAINER (g)	11.06	10.97	10.99			238.86	13.70	13.56	
MASS OF DRY SOIL (g)	9.40	8.62	8.04			230.98	10.29	10.51	
WATER CONTENT W (%)	25.3	24.1	26.1			19.2	19.2	18.9	

LIQUID LIMIT (%)	**25.2**
PLASTIC LIMIT (%)	**19.1**
PLASTICITY INDEX (%)	**6.1**
W NATURAL (%)	**19.2**
LIQUIDITY INDEX	**0.01**



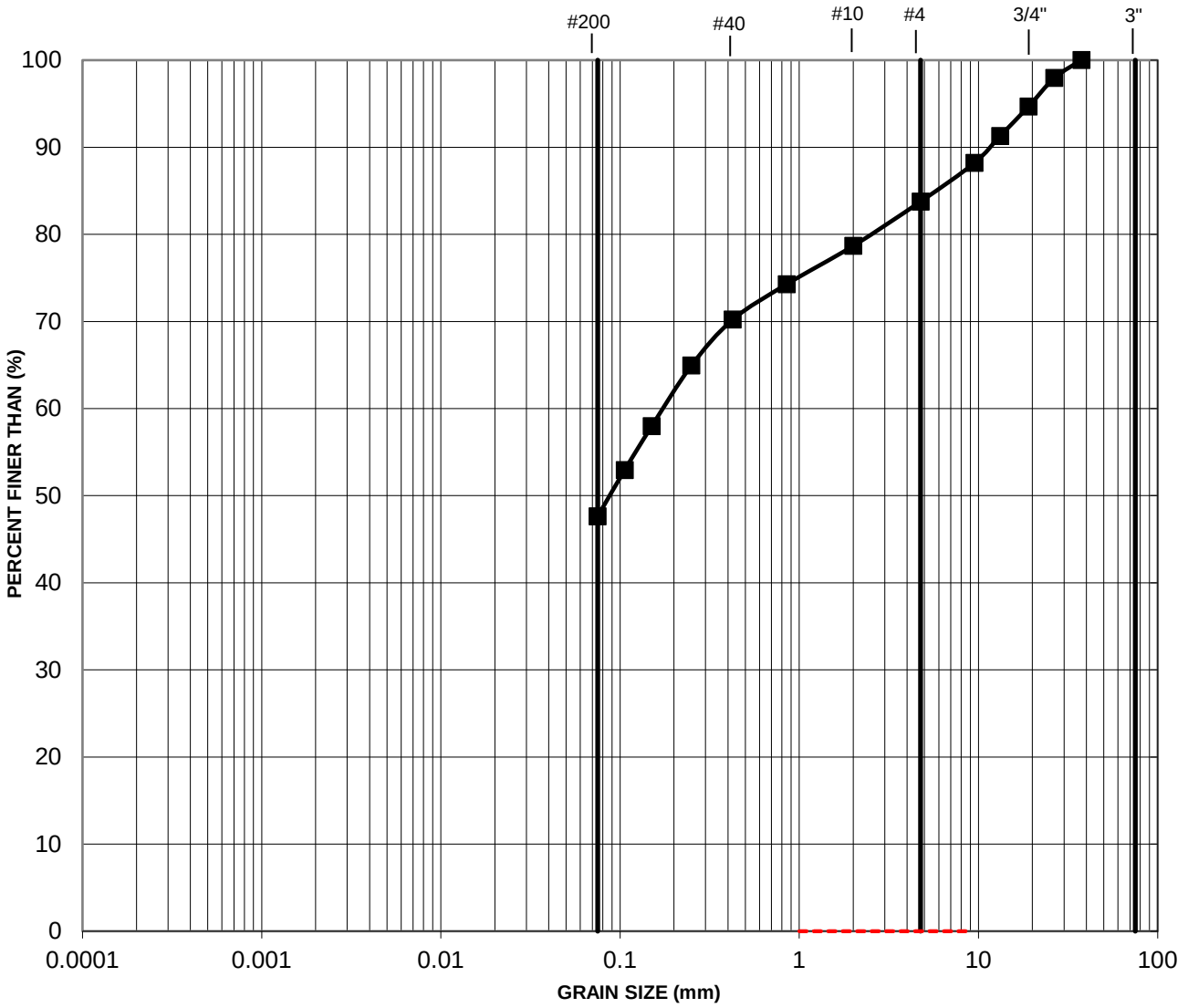
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH06	167335	29.6m - 29.9m

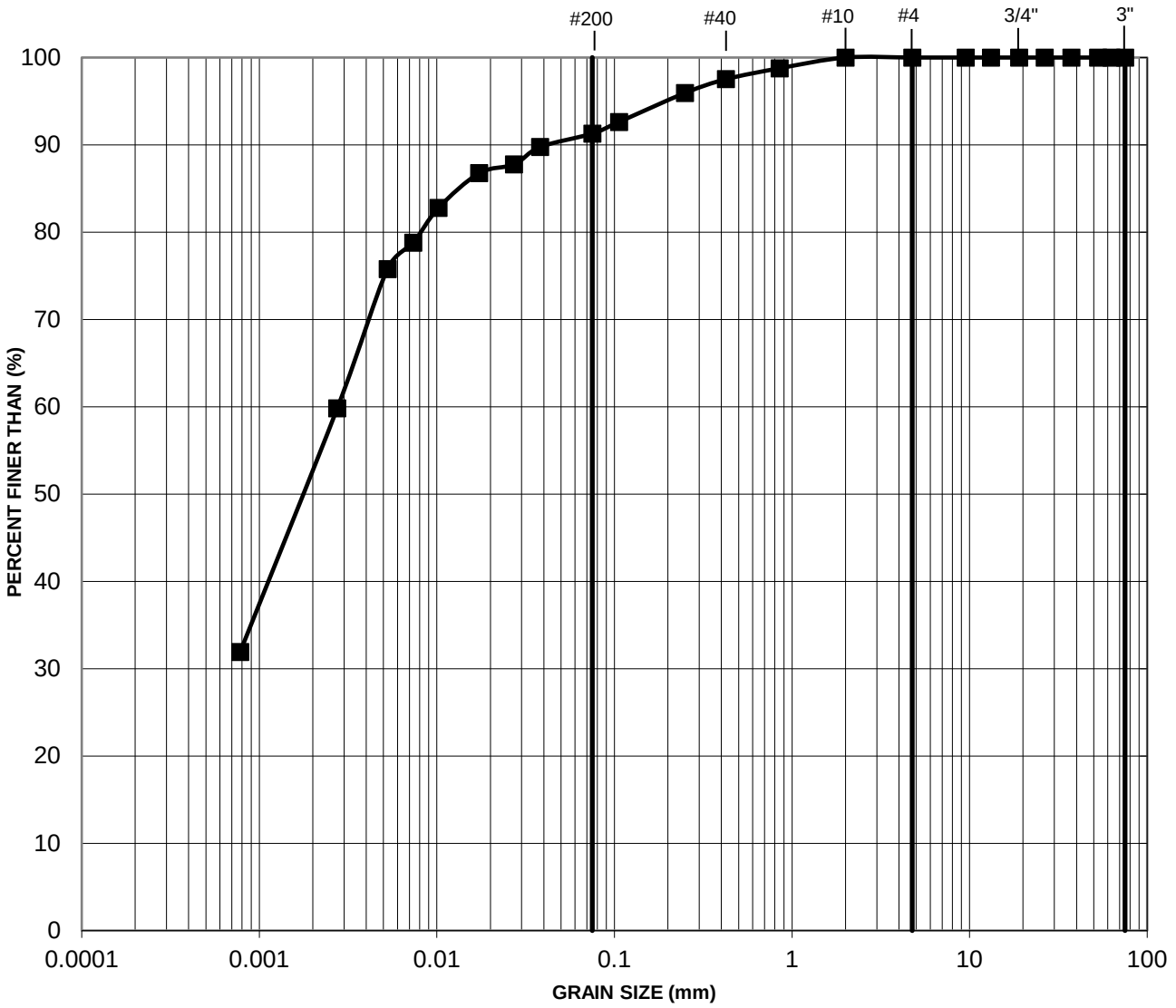
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH28	168222	7m - 7.3m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

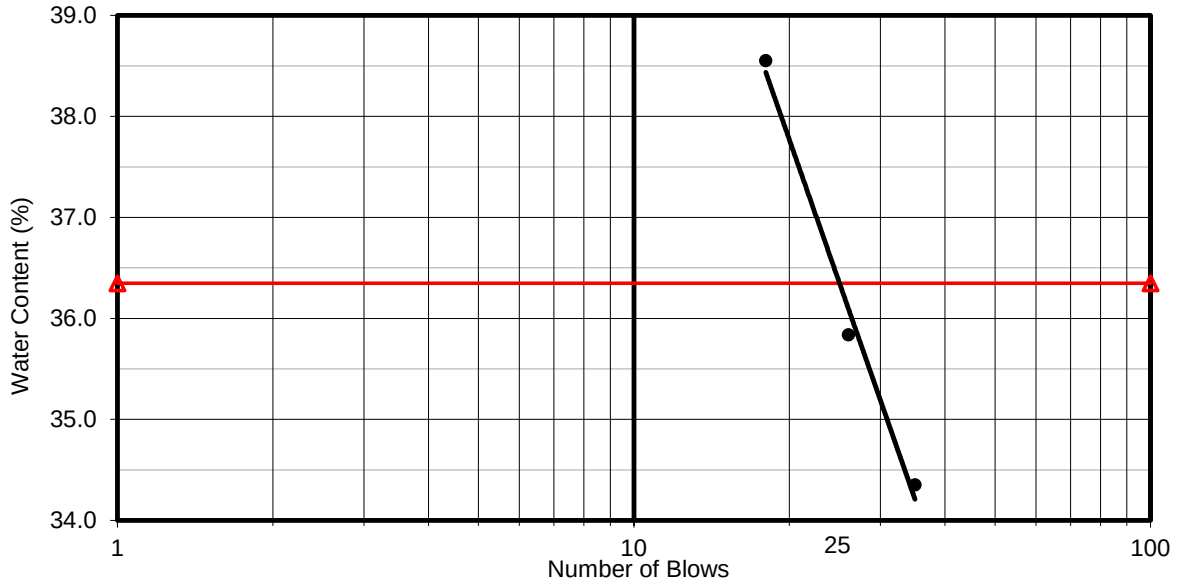
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G450**
Borehole:	**SRK22 TSF BH28**
Sample Number:	**168222**
Depth of Sample:	**7m - 7.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	28	32	76			**X**	MR04	R8	
NUMBER OF BLOWS	35	26	18			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	22.88	22.69	21.59			535.94	25.22	25.28	
MASS DRY SOIL + TARE (g)	19.85	19.59	18.66			461.37	23.46	23.48	
MASS OF WATER (g)	3.03	3.10	2.93			74.57	1.76	1.80	
MASS OF CONTAINER (g)	11.03	10.94	11.06			239.17	14.05	13.73	
MASS OF DRY SOIL (g)	8.82	8.65	7.60			222.20	9.41	9.75	
WATER CONTENT W (%)	34.4	35.8	38.6			33.6	18.7	18.5	

LIQUID LIMIT (%)	**36.3**
PLASTIC LIMIT (%)	**18.6**
PLASTICITY INDEX (%)	**17.8**
W NATURAL (%)	**33.6**
LIQUIDITY INDEX	**0.84**

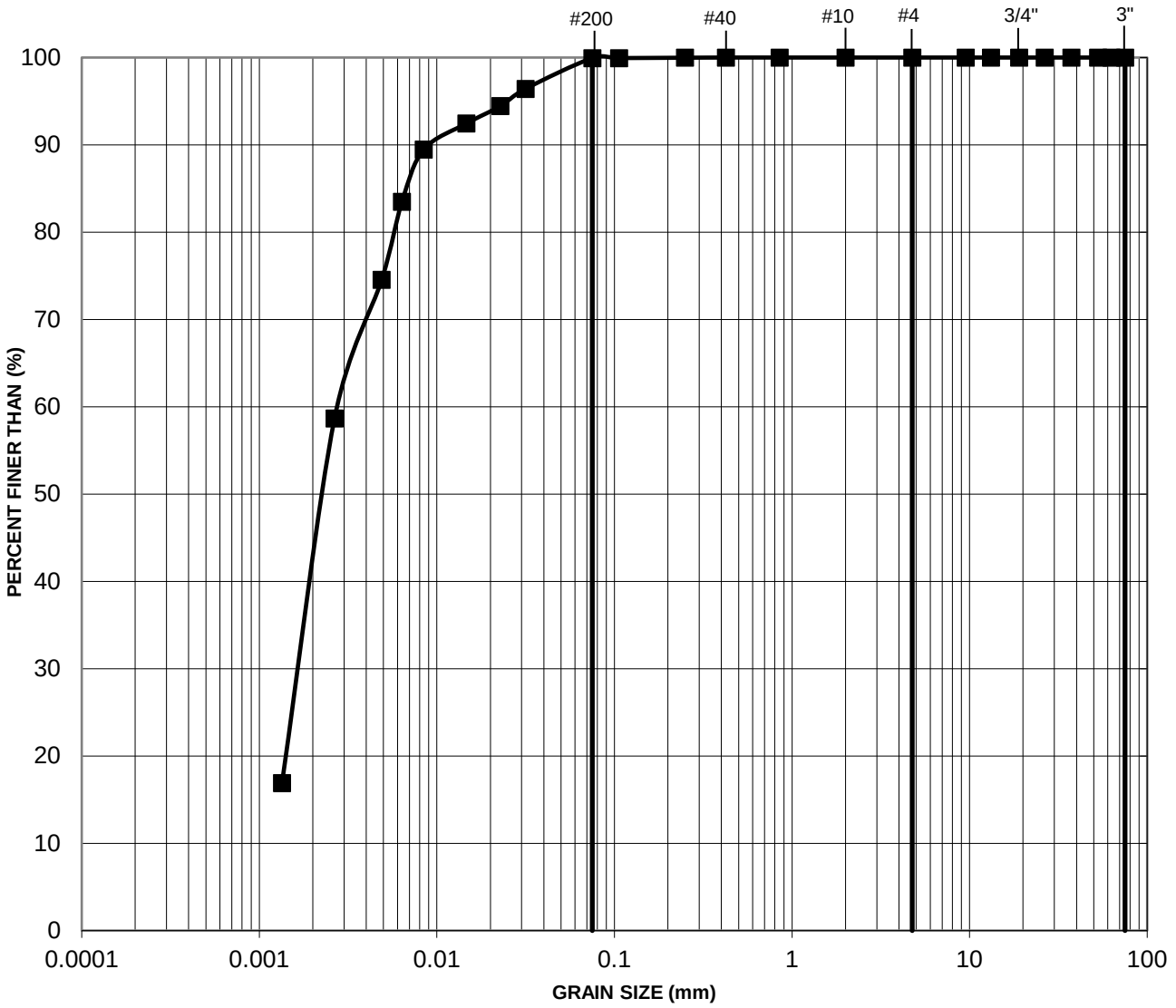


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH28	168226	15.5m - 15.8m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

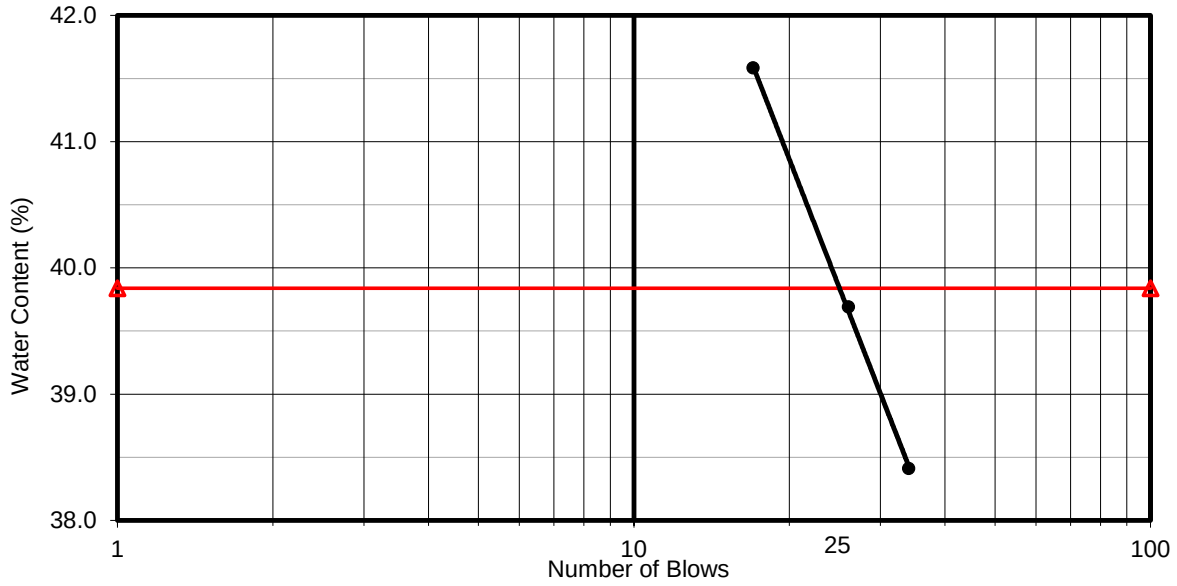
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G451**
Borehole:	**SRK22 TSF BH28**
Sample Number:	**168226**
Depth of Sample:	**15.5m - 15.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2	R5	R20			X	55	63	
NUMBER OF BLOWS	34	26	17			X	X	X	X
MASS WET SOIL + TARE (g)	18.39	17.33	17.60			540.64	33.04	32.90	
MASS DRY SOIL + TARE (g)	15.29	14.48	14.56			469.35	31.08	30.95	
MASS OF WATER (g)	3.10	2.85	3.04			71.29	1.96	1.95	
MASS OF CONTAINER (g)	7.22	7.30	7.25			238.90	21.35	21.33	
MASS OF DRY SOIL (g)	8.07	7.18	7.31			230.45	9.73	9.62	
WATER CONTENT W (%)	38.4	39.7	41.6			30.9	20.1	20.3	

LIQUID LIMIT (%)	**39.8**
PLASTIC LIMIT (%)	**20.2**
PLASTICITY INDEX (%)	**19.6**
W NATURAL (%)	**30.9**
LIQUIDITY INDEX	**0.55**

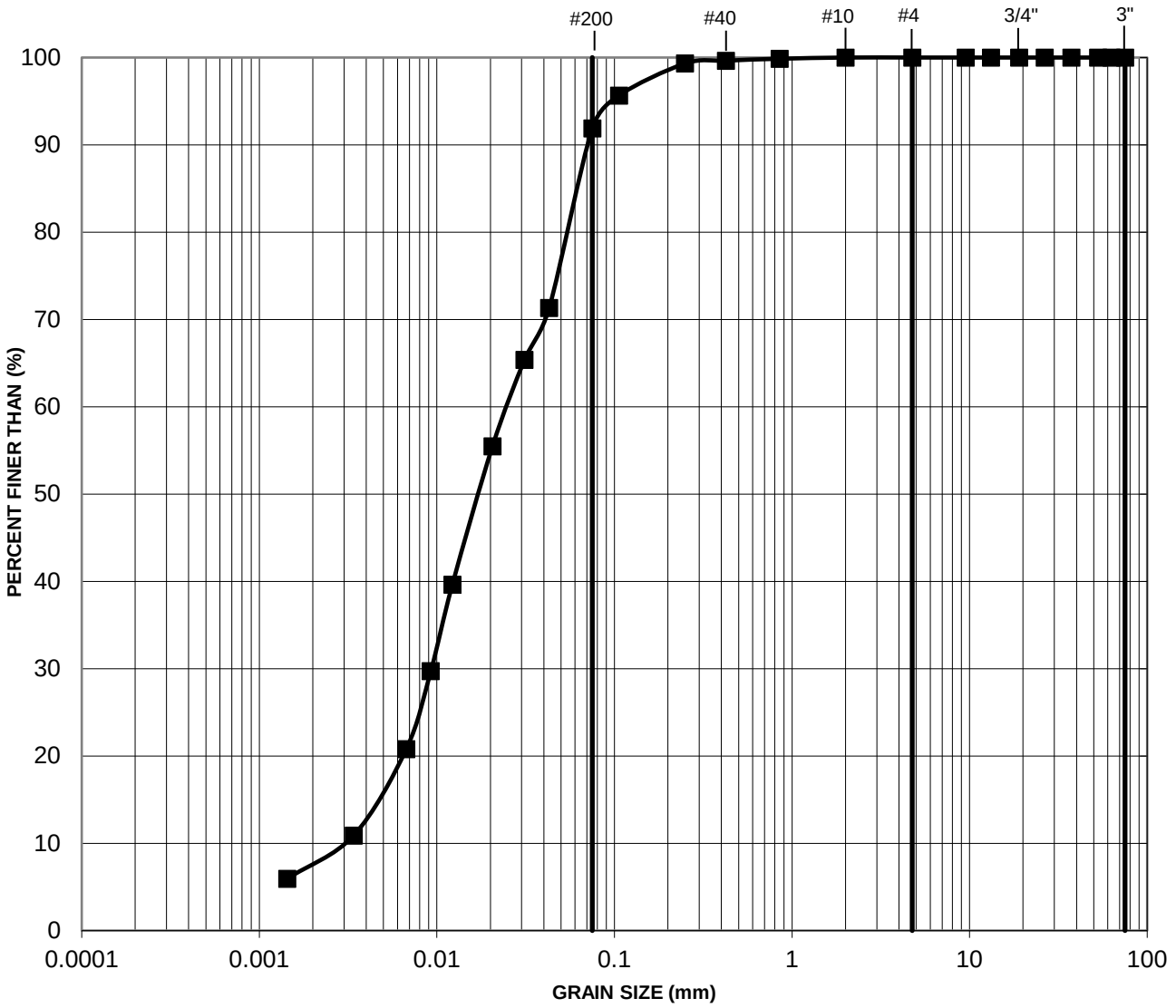


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH28	168228	27.7m - 28m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

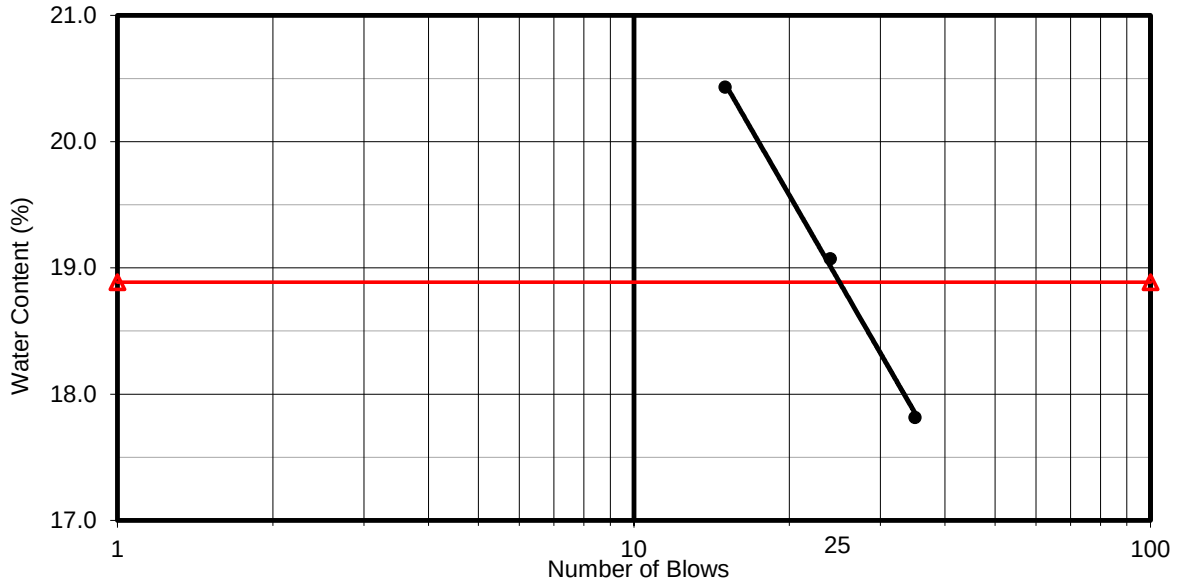
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G452**
Borehole:	**SRK22 TSF BH28**
Sample Number:	**168228**
Depth of Sample:	**27.7m - 28m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7L	7	10			**X**	R1	10m	
NUMBER OF BLOWS	15	24	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.87	18.40	21.77			528.50	26.44	26.69	
MASS DRY SOIL + TARE (g)	16.08	16.59	19.55			479.67	24.58	24.86	
MASS OF WATER (g)	1.79	1.81	2.22			48.83	1.86	1.83	
MASS OF CONTAINER (g)	7.32	7.10	7.09			239.57	13.86	13.85	
MASS OF DRY SOIL (g)	8.76	9.49	12.46			240.10	10.72	11.01	
WATER CONTENT W (%)	20.4	19.1	17.8			20.3	17.4	16.6	

LIQUID LIMIT (%)	**18.9**
PLASTIC LIMIT (%)	**17.0**
PLASTICITY INDEX (%)	**1.9**
W NATURAL (%)	**20.3**
LIQUIDITY INDEX	**1.76**

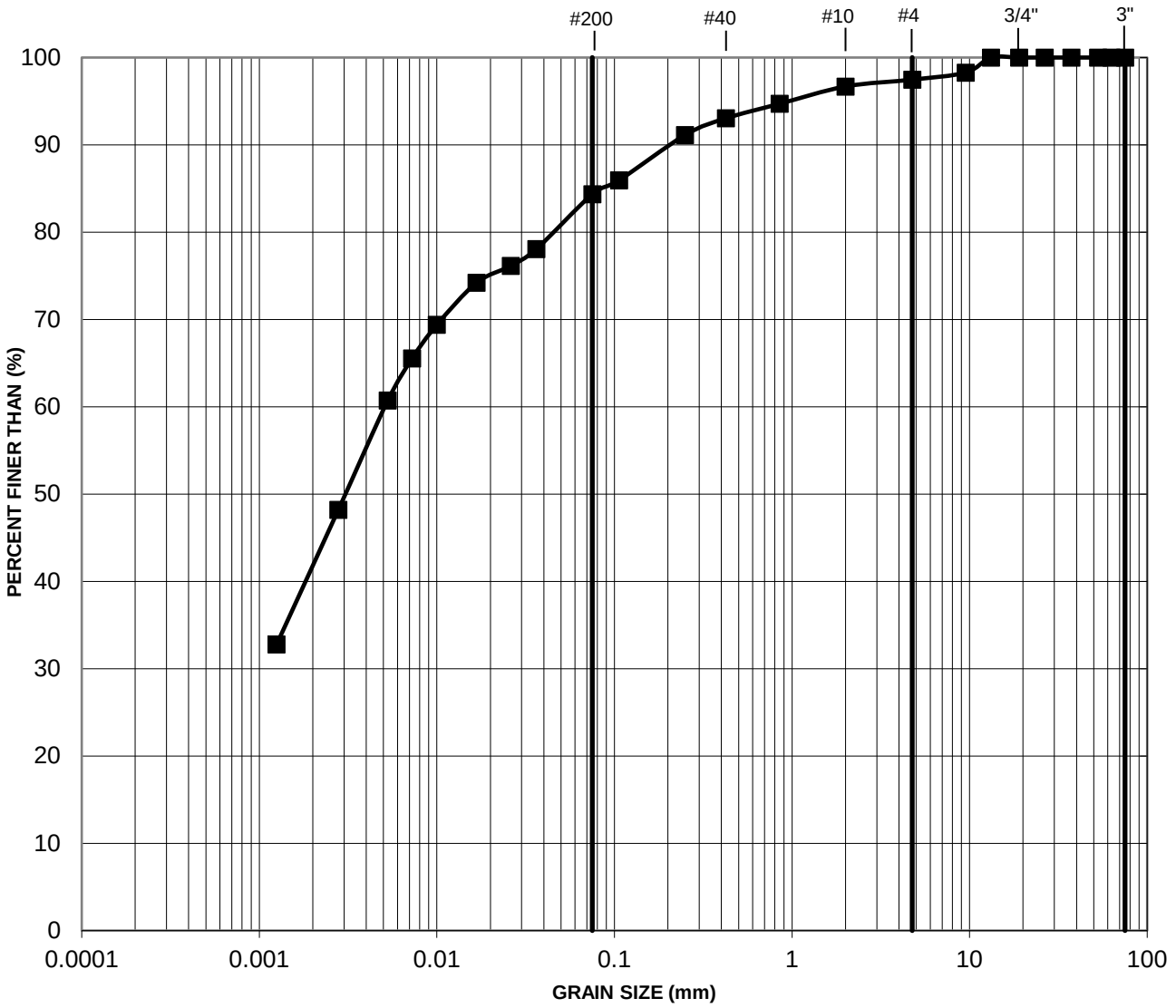


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH26	168235	7.3m - 7.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

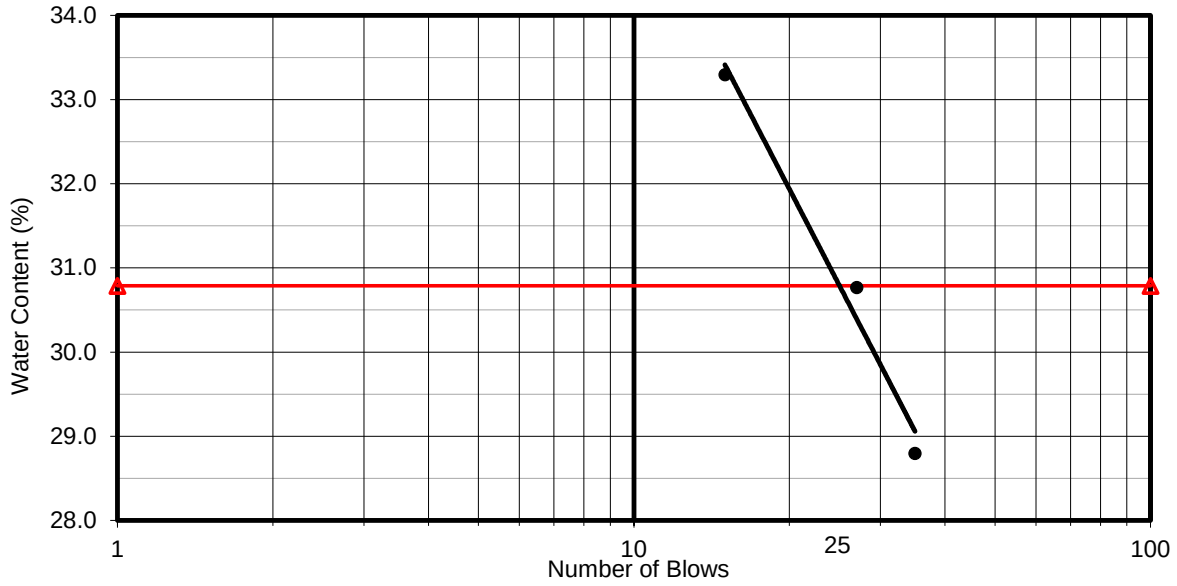
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G453**
Borehole:	**SRK22 TSF BH26**
Sample Number:	**168235**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	20m	R24A			X	28	32	
NUMBER OF BLOWS	35	27	15			X	X	X	X
MASS WET SOIL + TARE (g)	17.82	17.78	19.55			568.24	32.25	32.25	
MASS DRY SOIL + TARE (g)	15.45	15.30	16.46			499.09	30.65	30.57	
MASS OF WATER (g)	2.37	2.48	3.09			69.15	1.60	1.68	
MASS OF CONTAINER (g)	7.22	7.24	7.18			242.84	20.99	20.65	
MASS OF DRY SOIL (g)	8.23	8.06	9.28			256.25	9.66	9.92	
WATER CONTENT W (%)	28.8	30.8	33.3			27.0	16.6	16.9	

LIQUID LIMIT (%)	**30.8**
PLASTIC LIMIT (%)	**16.7**
PLASTICITY INDEX (%)	**14.0**
W NATURAL (%)	**27.0**
LIQUIDITY INDEX	**0.73**

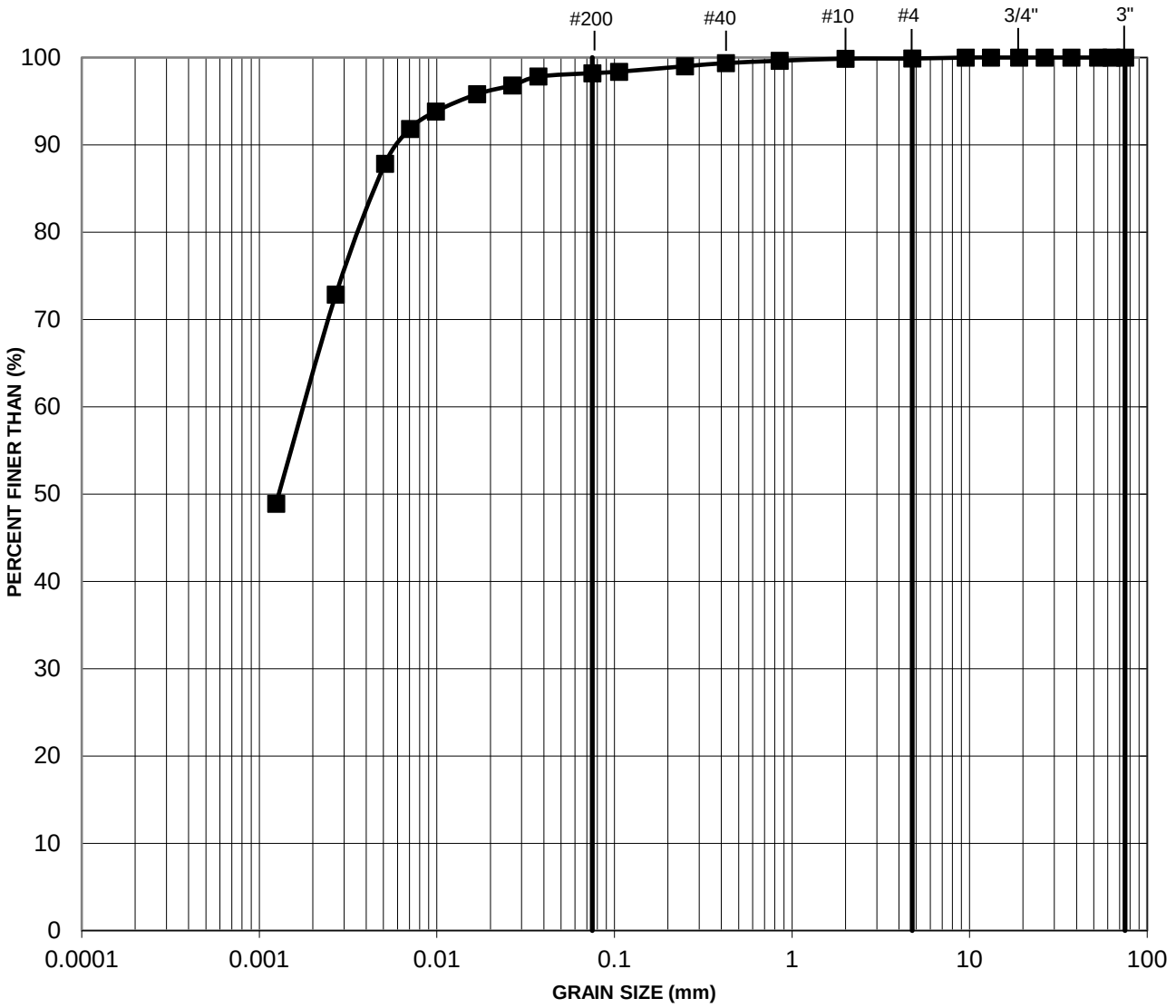


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH26	168237	10.7m - 11m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

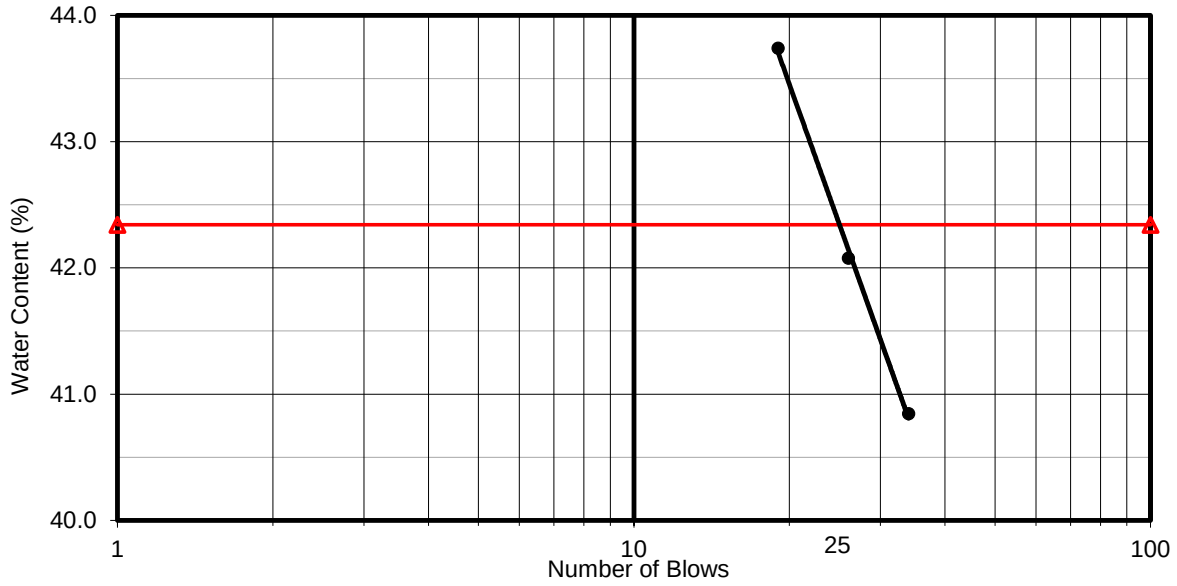
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**13-May-22**
Technician:	**HAB**
Lab Number:	**G454**
Borehole:	**SRK22 TSF BH26**
Sample Number:	**168237**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	14	49	91			**X**	u	1A	
NUMBER OF BLOWS	34	26	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	21.45	21.76	21.48			507.26	26.15	26.35	
MASS DRY SOIL + TARE (g)	18.46	18.60	18.30			427.73	23.99	24.05	
MASS OF WATER (g)	2.99	3.16	3.18			79.53	2.16	2.30	
MASS OF CONTAINER (g)	11.14	11.09	11.03			241.87	14.10	13.92	
MASS OF DRY SOIL (g)	7.32	7.51	7.27			185.86	9.89	10.13	
WATER CONTENT W (%)	40.8	42.1	43.7			42.8	21.8	22.7	

LIQUID LIMIT (%)	**42.3**
PLASTIC LIMIT (%)	**22.3**
PLASTICITY INDEX (%)	**20.1**
W NATURAL (%)	**42.8**
LIQUIDITY INDEX	**1.02**

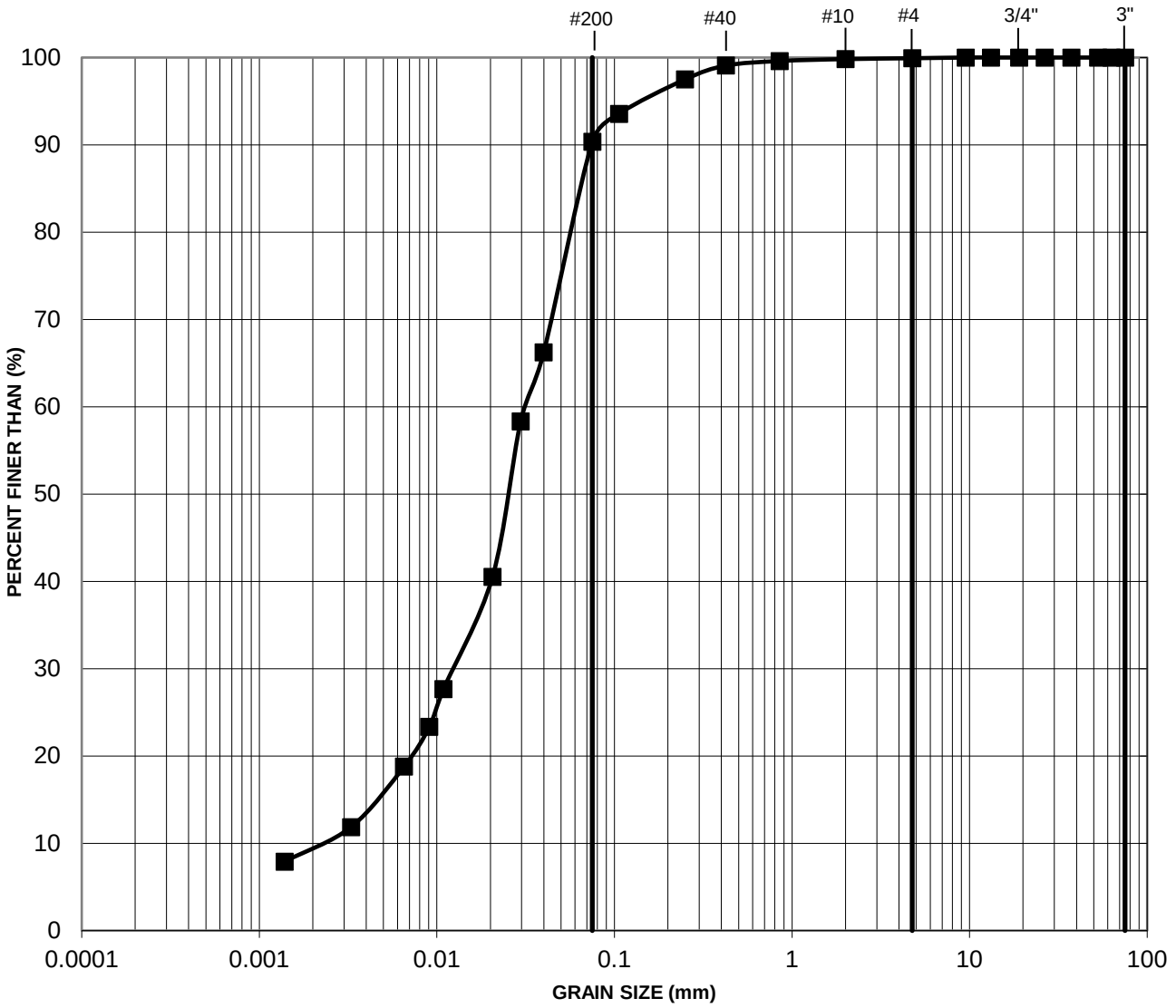


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH26	168239	15.2m - 15.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

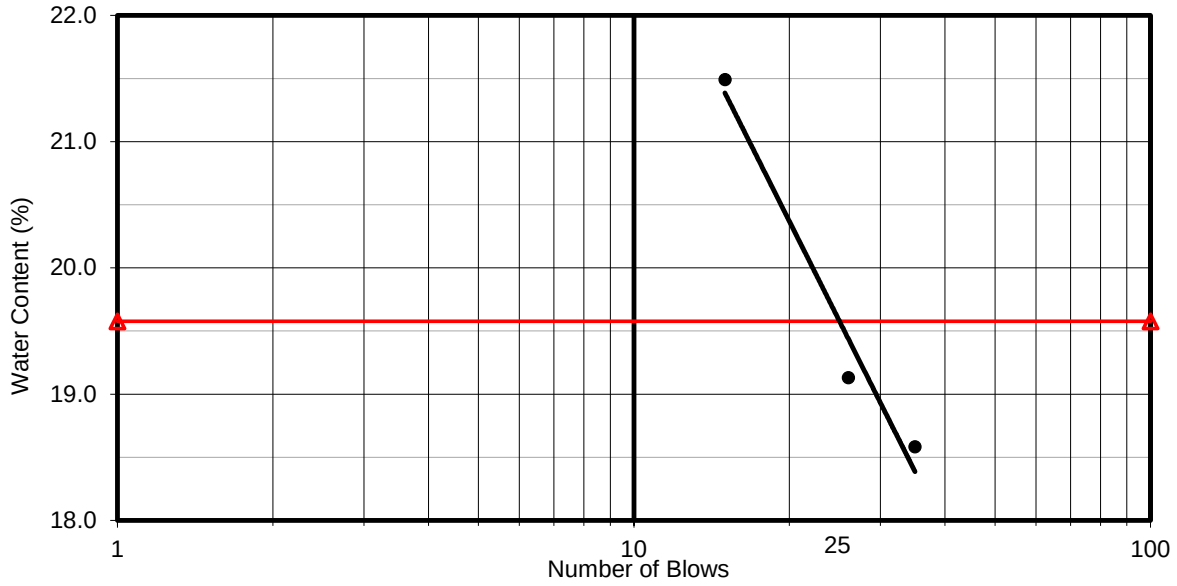
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G455**
Borehole:	**SRK22 TSF BH26**
Sample Number:	**168239**
Depth of Sample:	**15.2m - 15.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	40	85	402			X	mr5	r9	
NUMBER OF BLOWS	15	35	26			X	X	X	X
MASS WET SOIL + TARE (g)	21.85	23.54	21.78			572.68	25.53	26.15	
MASS DRY SOIL + TARE (g)	19.95	21.57	20.06			534.40	24.00	24.58	
MASS OF WATER (g)	1.90	1.97	1.72			38.28	1.53	1.57	
MASS OF CONTAINER (g)	11.11	10.97	11.07			309.75	13.50	13.78	
MASS OF DRY SOIL (g)	8.84	10.60	8.99			224.65	10.50	10.80	
WATER CONTENT W (%)	21.5	18.6	19.1			17.0	14.6	14.5	

LIQUID LIMIT (%)	**19.6**
PLASTIC LIMIT (%)	**14.6**
PLASTICITY INDEX (%)	**5.0**
W NATURAL (%)	**17.0**
LIQUIDITY INDEX	**0.49**



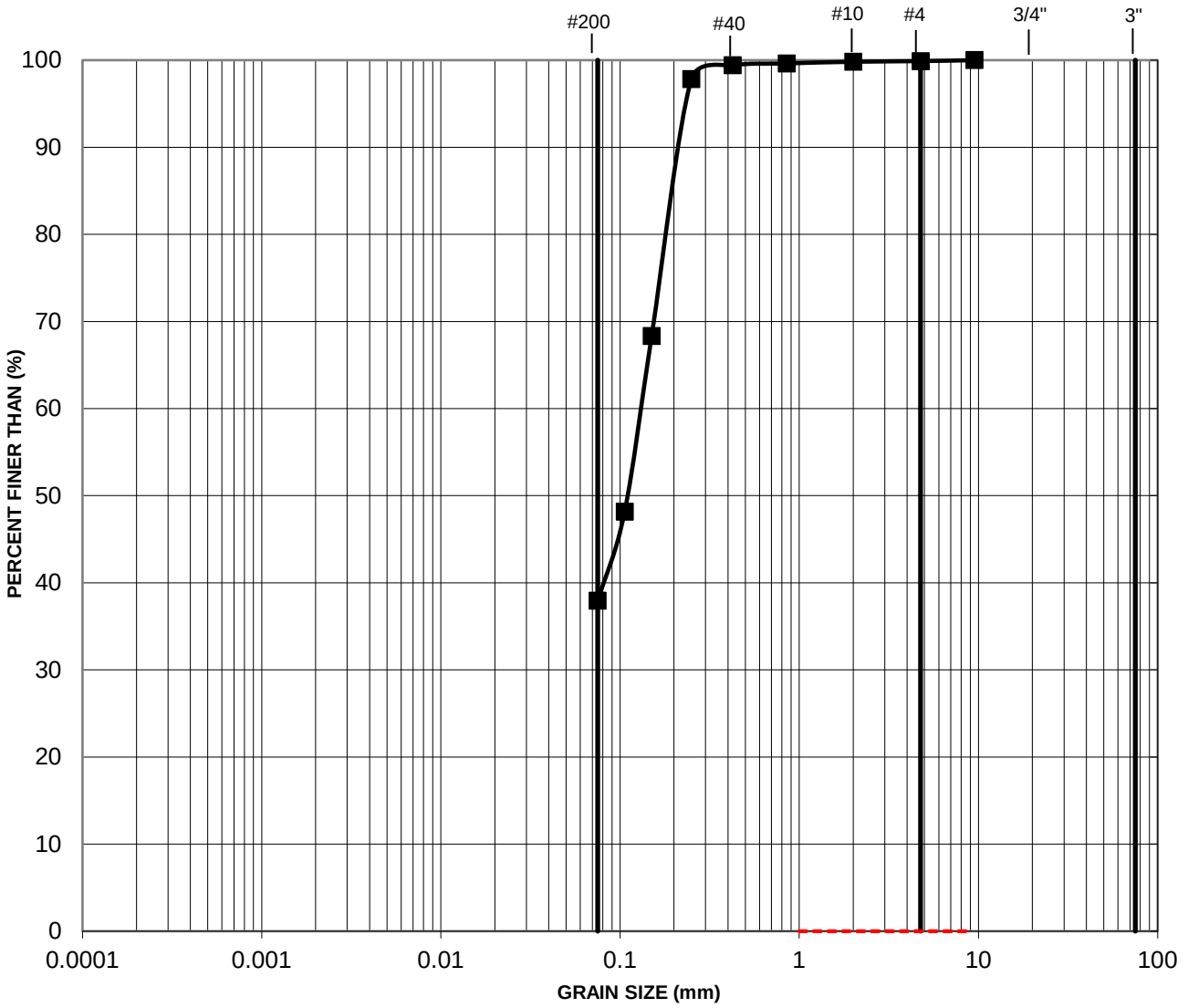
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH26	168242	26.5m - 26.8m

Project No./Phase/Task: 21473972-13000

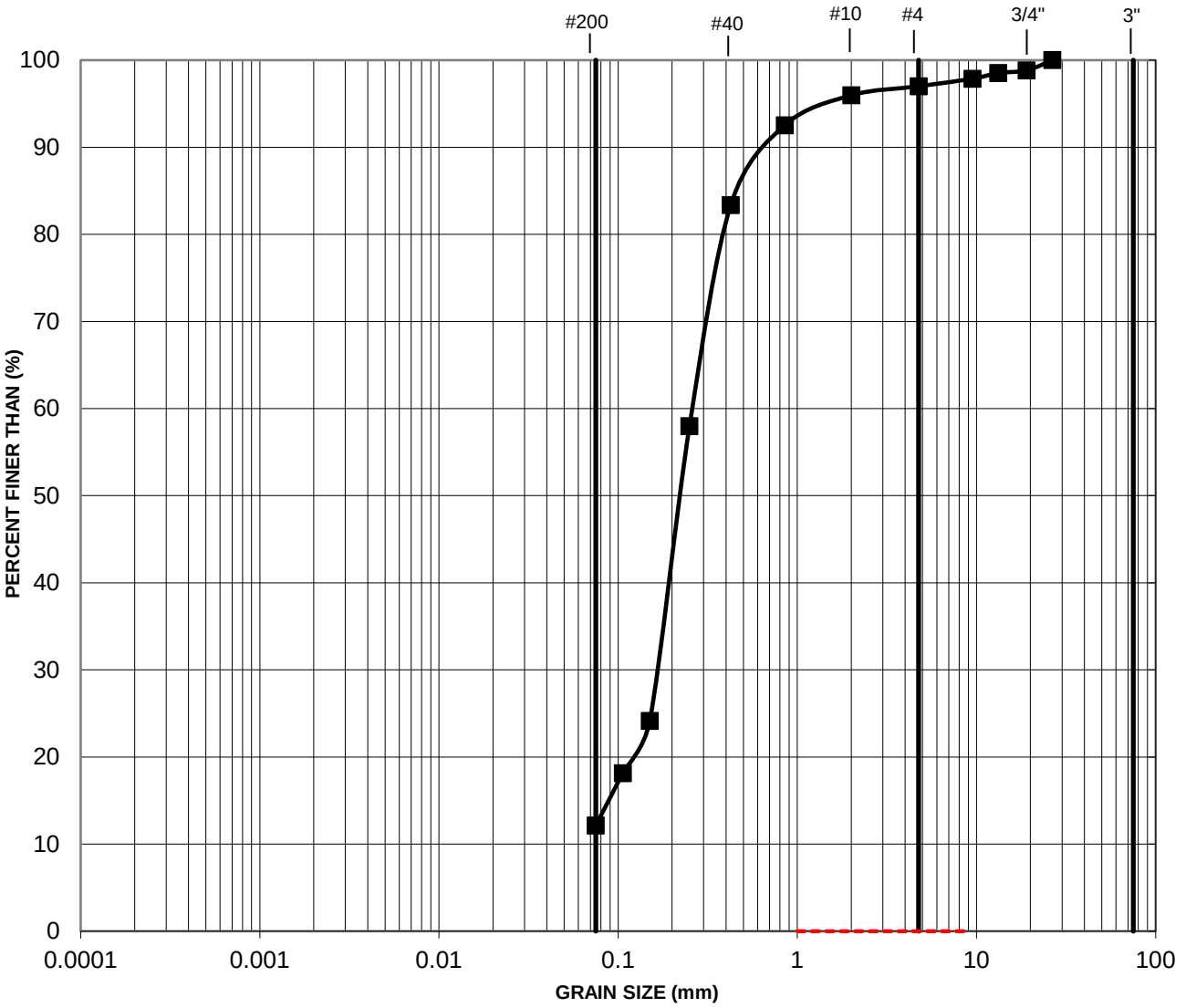
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH26	167053	47.5m - 47.9m

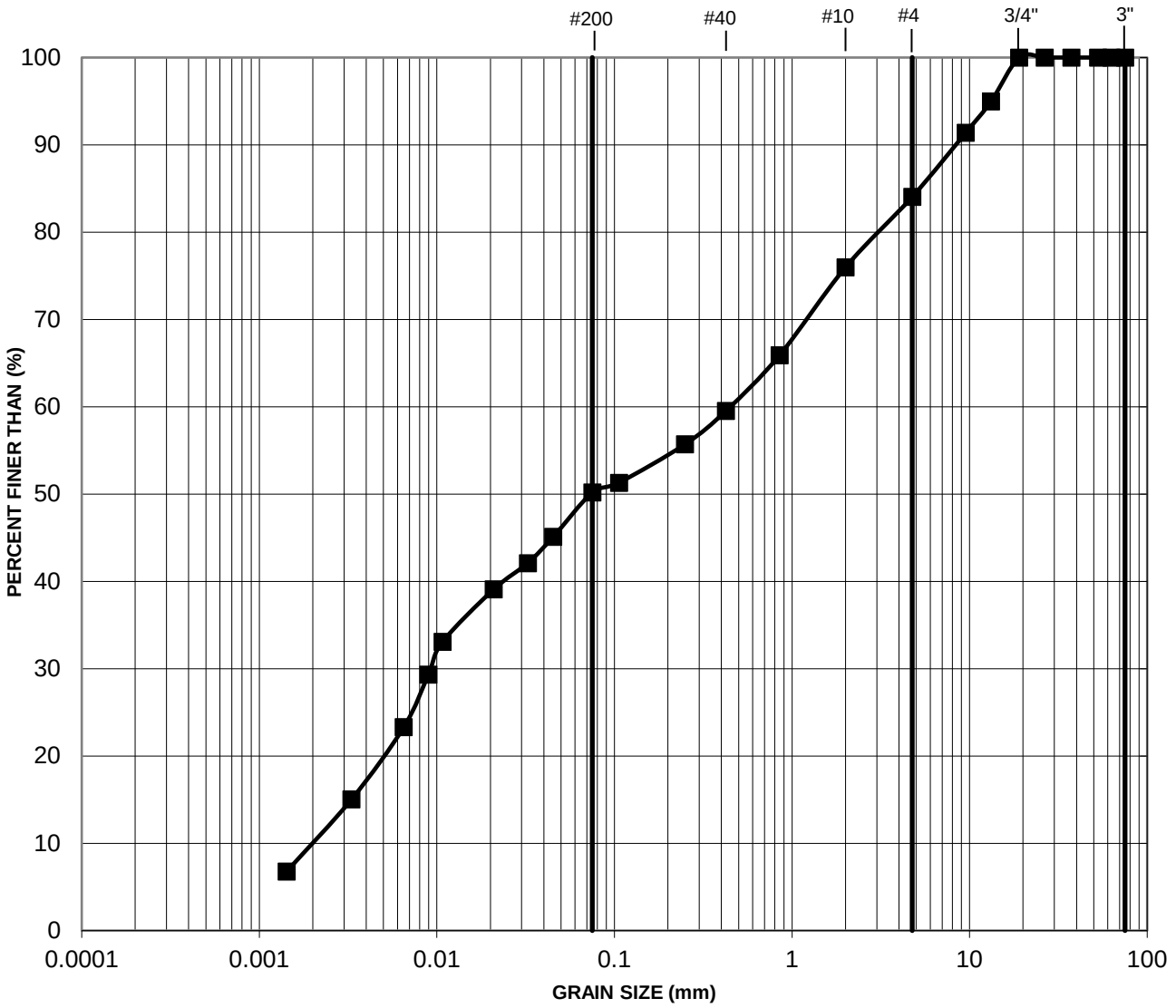
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH26	167054	48.2m - 48.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

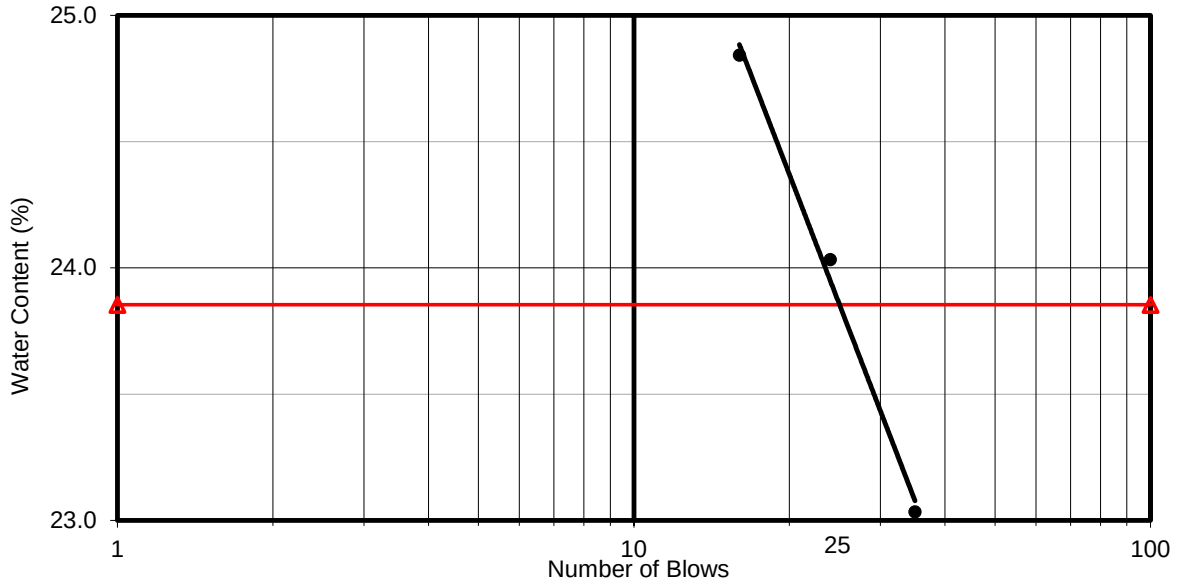
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G458**
Borehole:	**SRK22 TSF BH26**
Sample Number:	**167054**
Depth of Sample:	**48.2m - 48.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r1	r3	r20			**X**	34	37	
NUMBER OF BLOWS	16	24	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	19.27	19.14	18.18			867.70	33.62	34.42	
MASS DRY SOIL + TARE (g)	16.89	16.84	16.13			810.65	31.45	32.26	
MASS OF WATER (g)	2.38	2.30	2.05			57.05	2.17	2.16	
MASS OF CONTAINER (g)	7.31	7.27	7.23			310.99	20.93	21.54	
MASS OF DRY SOIL (g)	9.58	9.57	8.90			499.66	10.52	10.72	
WATER CONTENT W (%)	24.8	24.0	23.0			11.4	20.6	20.1	

LIQUID LIMIT (%)	**23.9**
PLASTIC LIMIT (%)	**20.4**
PLASTICITY INDEX (%)	**3.5**
W NATURAL (%)	**11.4**
LIQUIDITY INDEX	**-2.59**

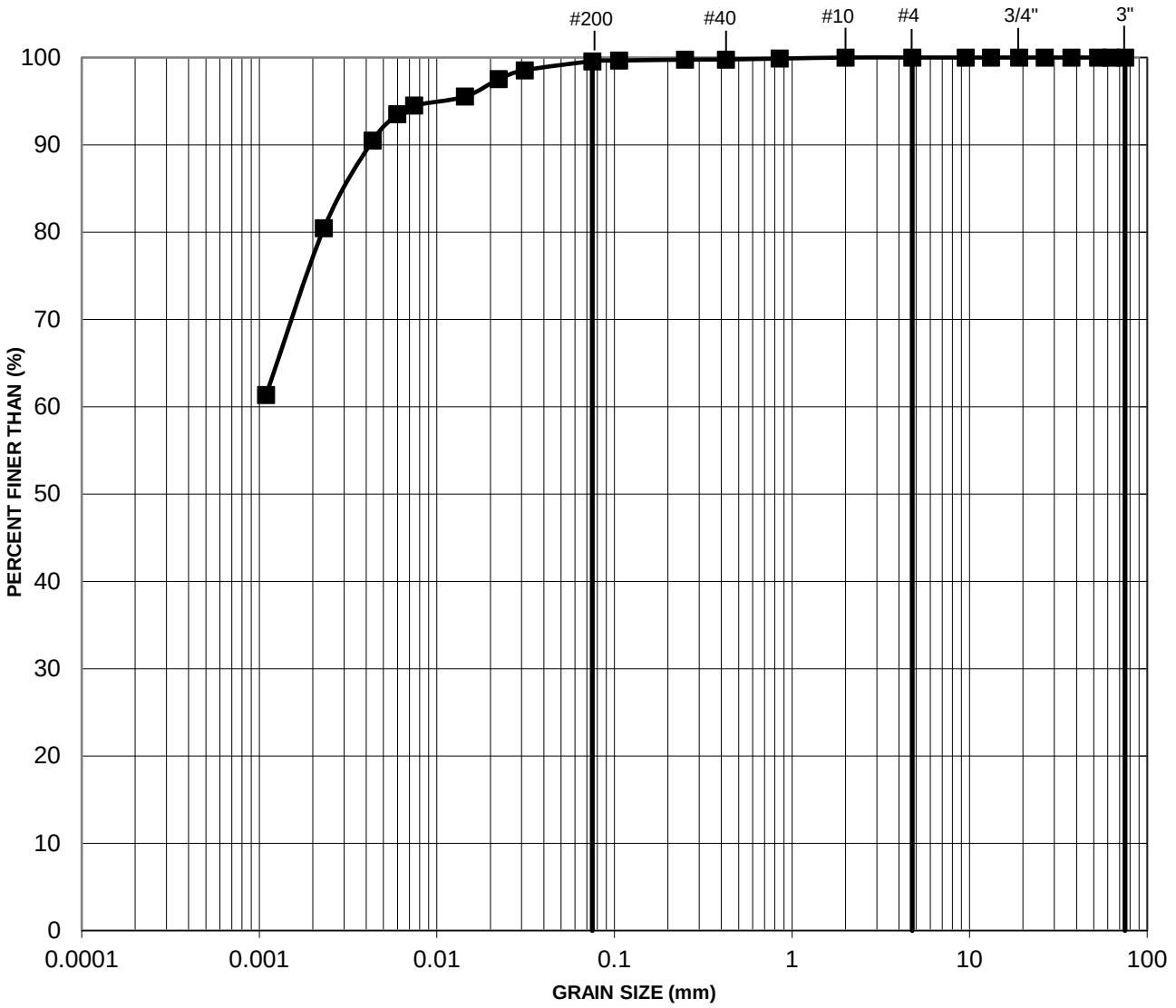


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH22	167089	10.7m - 11m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

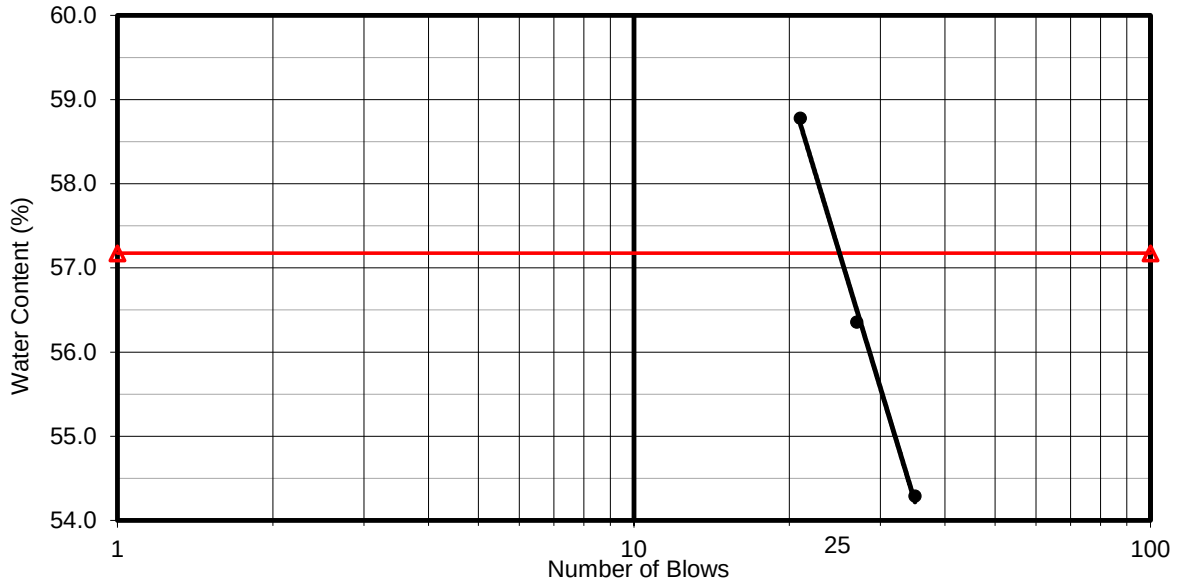
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G459**
Borehole:	**SRK22 TSF BH22**
Sample Number:	**167089**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1a	8m	r11c			**X**	85	87	
NUMBER OF BLOWS	35	27	21			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.17	18.33	17.99			603.27	32.05	32.05	
MASS DRY SOIL + TARE (g)	14.31	14.34	14.04			501.76	29.68	29.81	
MASS OF WATER (g)	3.86	3.99	3.95			101.51	2.37	2.24	
MASS OF CONTAINER (g)	7.20	7.26	7.32			316.44	20.76	20.88	
MASS OF DRY SOIL (g)	7.11	7.08	6.72			185.32	8.92	8.93	
WATER CONTENT W (%)	54.3	56.4	58.8			54.8	26.6	25.1	

LIQUID LIMIT (%)	**57.2**
PLASTIC LIMIT (%)	**25.8**
PLASTICITY INDEX (%)	**31.3**
W NATURAL (%)	**54.8**
LIQUIDITY INDEX	**0.92**

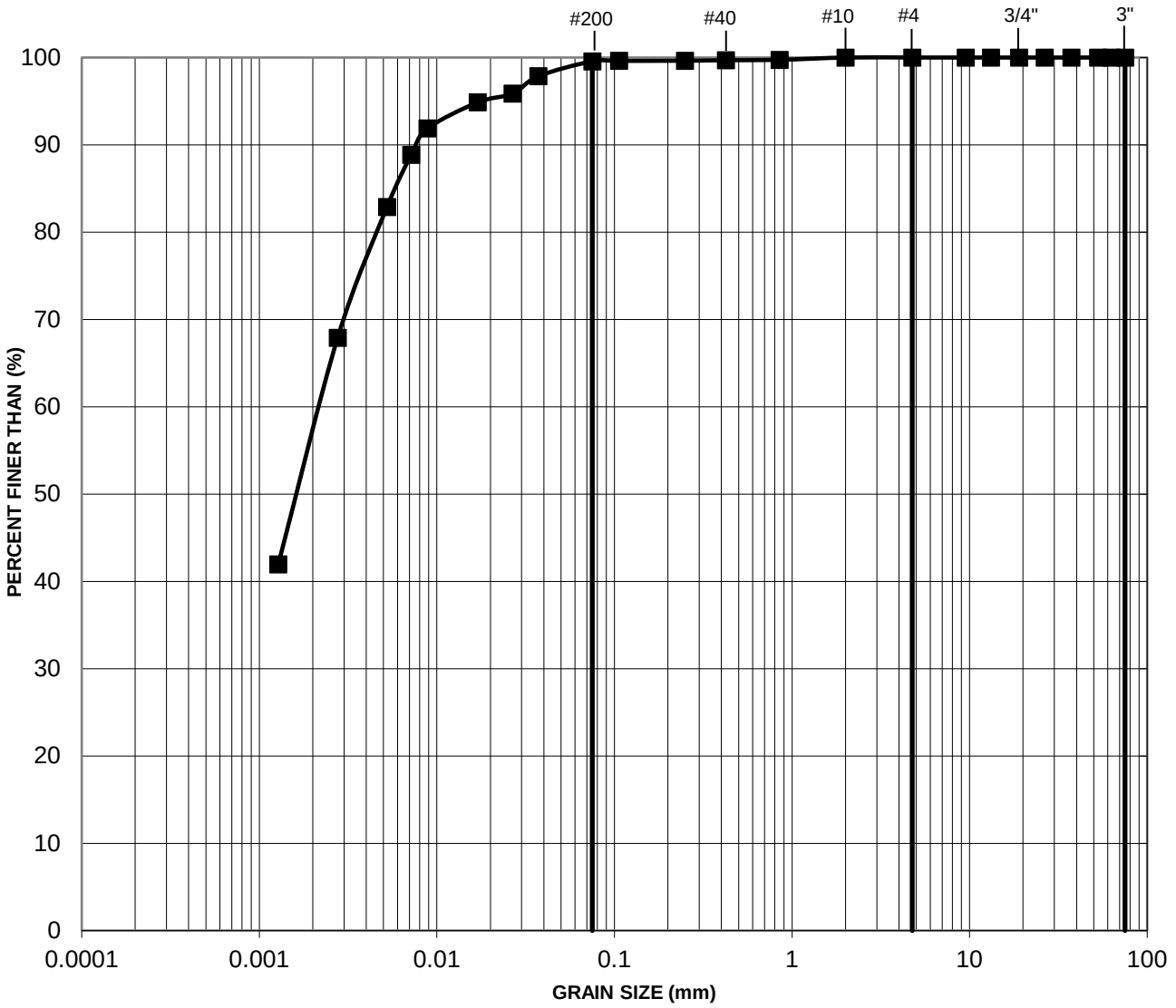


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH22	167092	18.6m - 18.9m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

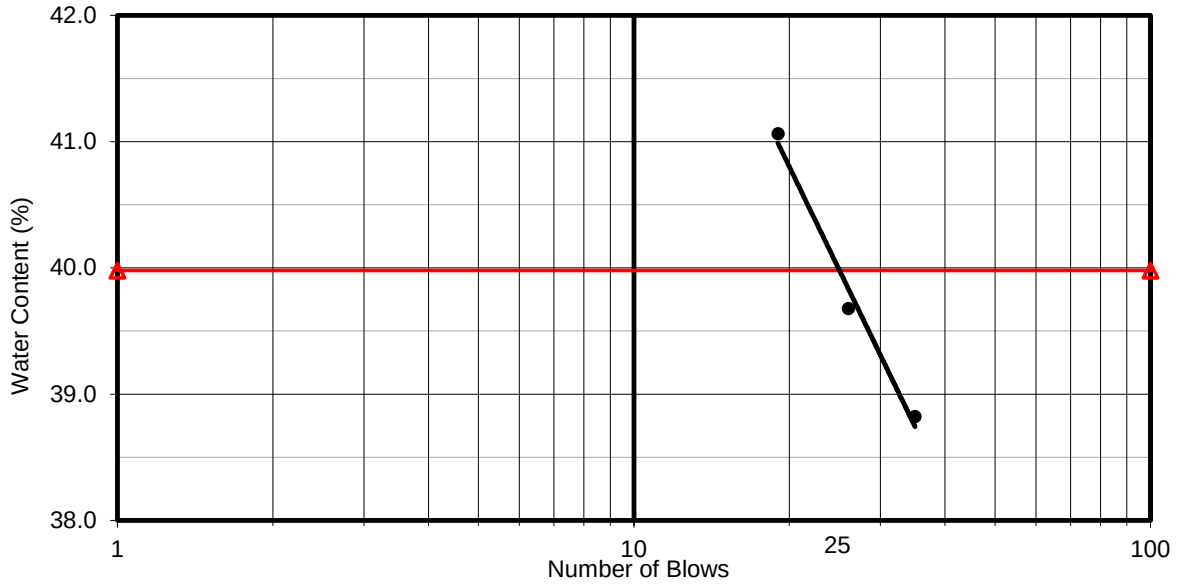
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G460**
Borehole:	**SRK22 TSF BH22**
Sample Number:	**167092**
Depth of Sample:	**18.6m - 18.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5m	6l	16l			X	mr13	r24	
NUMBER OF BLOWS	35	19	26			X	X	X	X
MASS WET SOIL + TARE (g)	17.77	17.59	17.69			587.94	25.11	25.87	
MASS DRY SOIL + TARE (g)	14.80	14.58	14.73			511.03	23.08	23.97	
MASS OF WATER (g)	2.97	3.01	2.96			76.91	2.03	1.90	
MASS OF CONTAINER (g)	7.15	7.25	7.27			314.02	13.56	14.55	
MASS OF DRY SOIL (g)	7.65	7.33	7.46			197.01	9.52	9.42	
WATER CONTENT W (%)	38.8	41.1	39.7			39.0	21.3	20.2	

LIQUID LIMIT (%)	**40.0**
PLASTIC LIMIT (%)	**20.7**
PLASTICITY INDEX (%)	**19.2**
W NATURAL (%)	**39.0**
LIQUIDITY INDEX	**0.95**



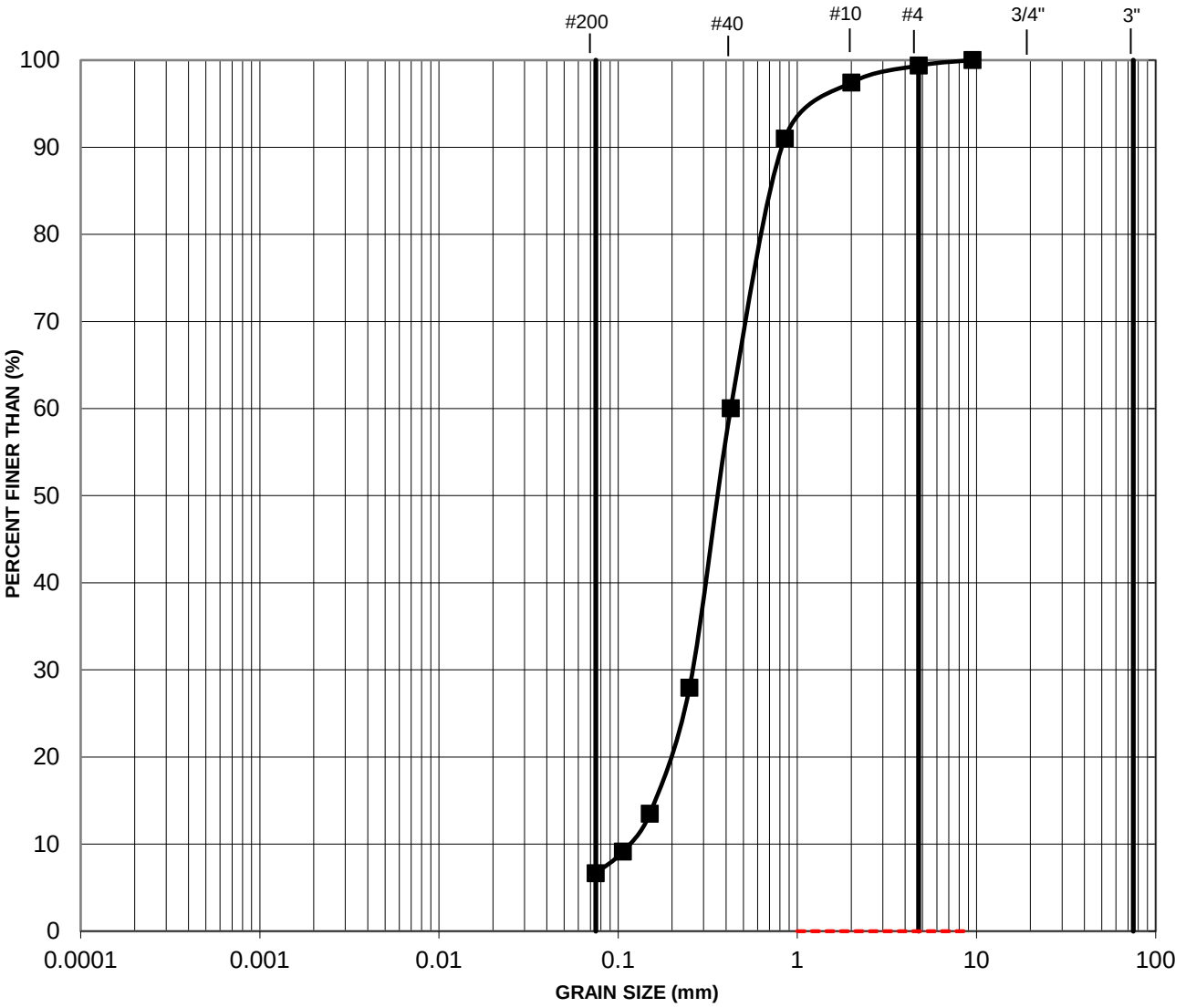
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH22	167095	24.7m - 25m

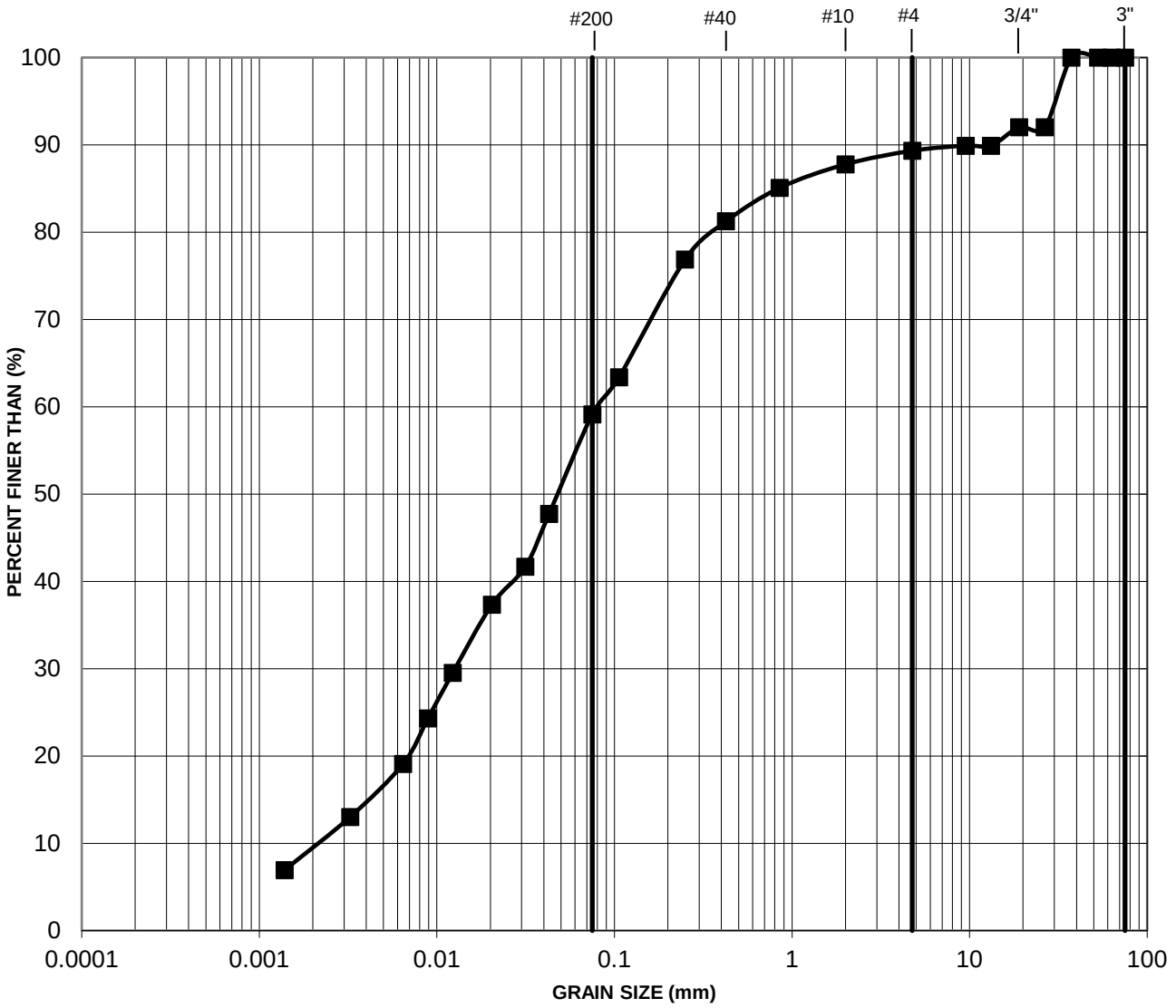
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH22	167096	28.7m - 29m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

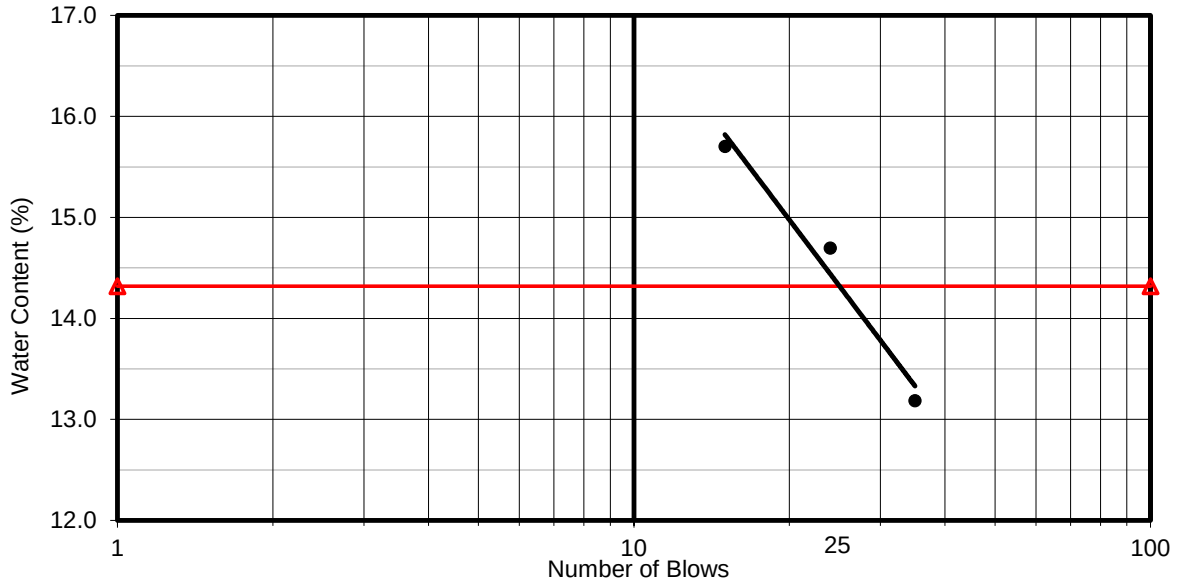
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G462**
Borehole:	**SRK22 TSF BH22**
Sample Number:	**167096**
Depth of Sample:	**28.7m - 29m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	28	33	401			X	4m	mr04	
NUMBER OF BLOWS	15	24	35			X	X	X	X
MASS WET SOIL + TARE (g)	23.26	23.00	22.36			943.52	26.41	26.00	
MASS DRY SOIL + TARE (g)	21.60	21.47	21.04			886.61	24.98	24.69	
MASS OF WATER (g)	1.66	1.53	1.32			56.91	1.43	1.31	
MASS OF CONTAINER (g)	11.03	11.06	11.03			326.88	13.70	14.05	
MASS OF DRY SOIL (g)	10.57	10.41	10.01			559.73	11.28	10.64	
WATER CONTENT W (%)	15.7	14.7	13.2			10.2	12.7	12.3	

LIQUID LIMIT (%)	**14.3**
PLASTIC LIMIT (%)	**12.5**
PLASTICITY INDEX (%)	**1.8**
W NATURAL (%)	**10.2**
LIQUIDITY INDEX	**-1.28**

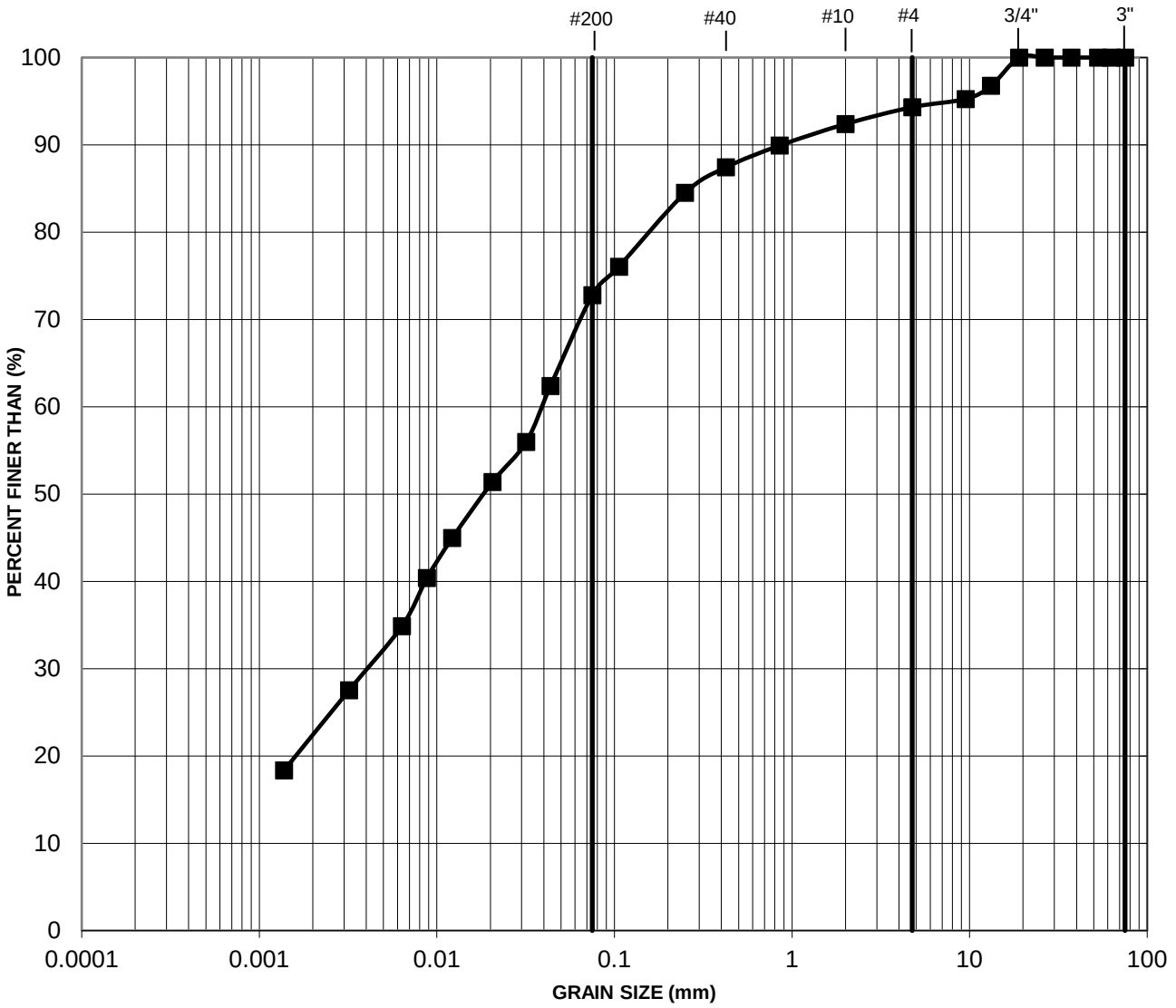


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH22	167740	36.7m - 37m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

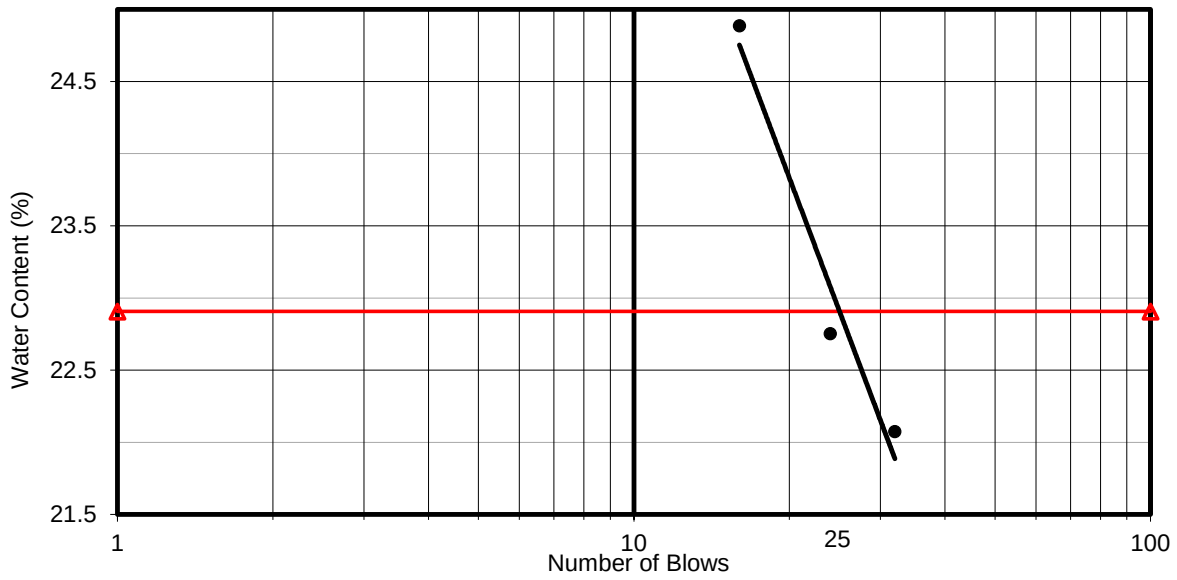
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**EG**
Lab Number:	**G463**
Borehole:	**SRK22 TSF BH22**
Sample Number:	**167740**
Depth of Sample:	**36.7m - 37m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r4	10m	8m			**X**	13	56	
NUMBER OF BLOWS	16	24	32			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	33.40	29.00	28.60			858.01	32.93	33.28	
MASS DRY SOIL + TARE (g)	29.53	26.19	25.94			798.68	31.69	32.03	
MASS OF WATER (g)	3.87	2.81	2.66			59.33	1.24	1.25	
MASS OF CONTAINER (g)	13.98	13.84	13.89			304.67	21.27	21.30	
MASS OF DRY SOIL (g)	15.55	12.35	12.05			494.01	10.42	10.73	
WATER CONTENT W (%)	24.9	22.8	22.1			12.0	11.9	11.6	

LIQUID LIMIT (%)	**22.9**
PLASTIC LIMIT (%)	**11.8**
PLASTICITY INDEX (%)	**11.1**
W NATURAL (%)	**12.0**
LIQUIDITY INDEX	**0.02**

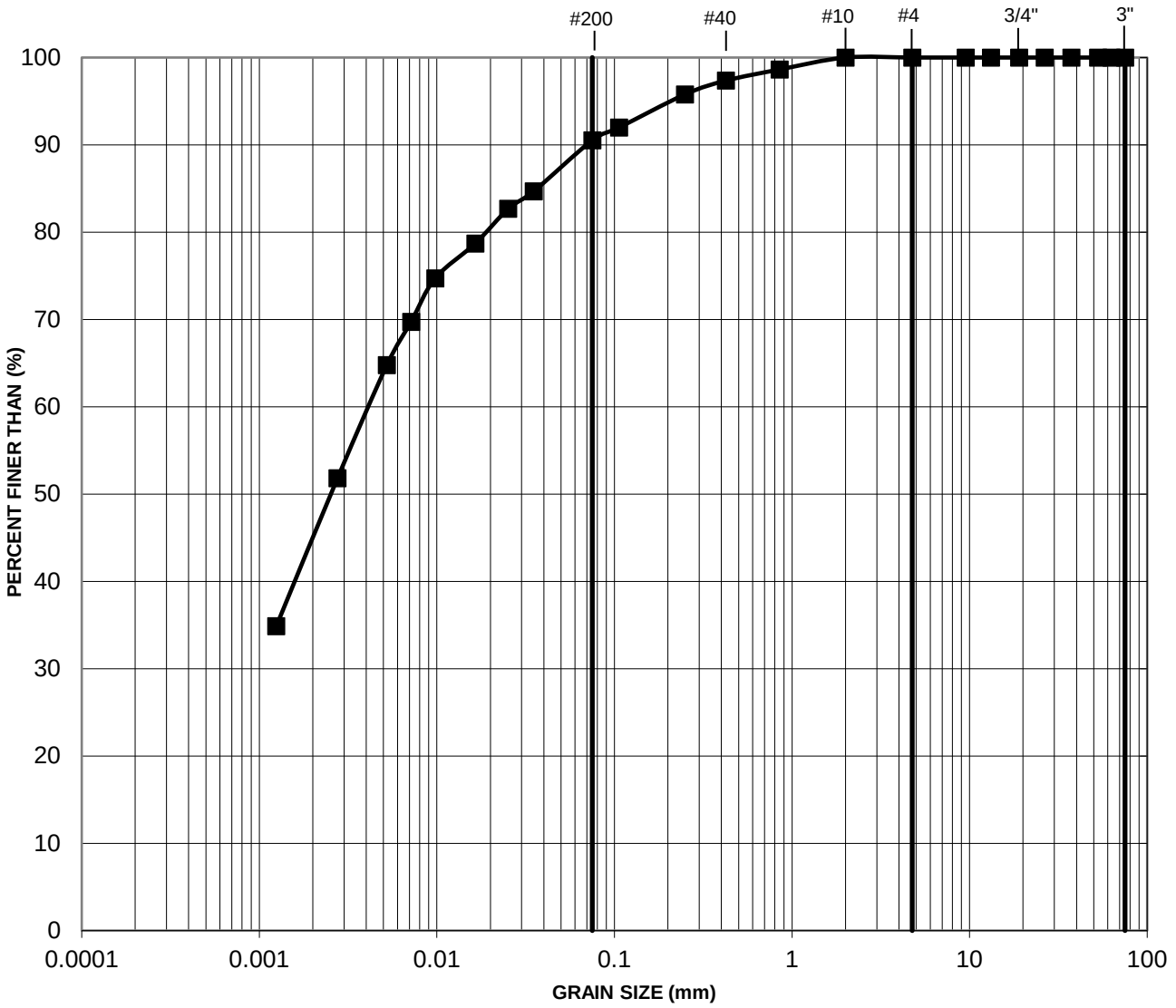


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH31	167748	11.6m - 11.9m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

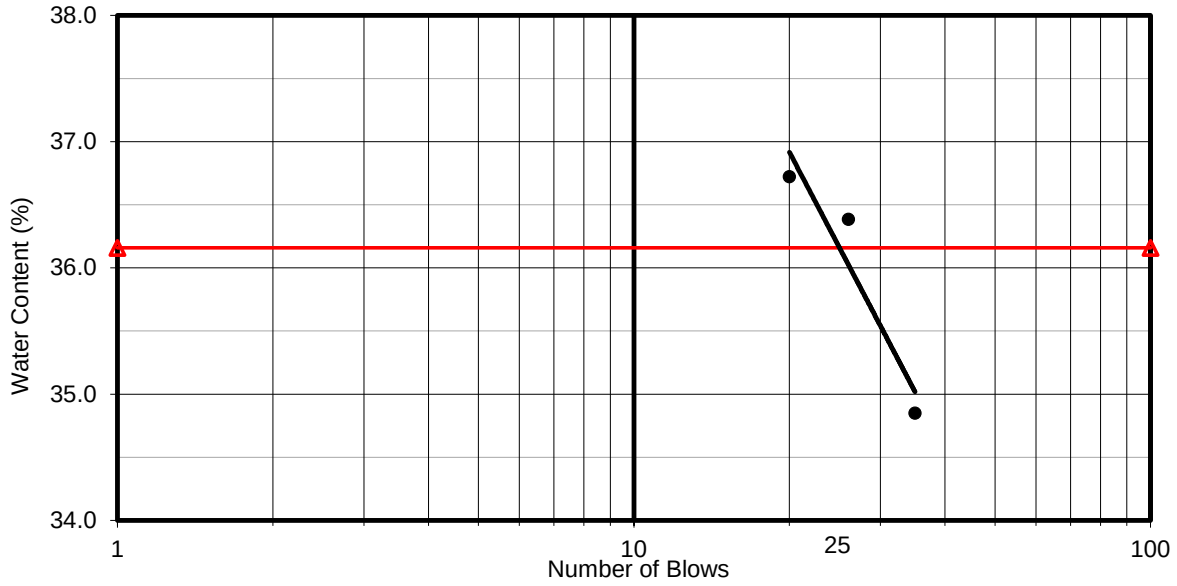
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G464**
Borehole:	**SRK22 TSF BH31**
Sample Number:	**167748**
Depth of Sample:	**11.6m - 11.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1l	k2	7m			**X**	xxx	5m	
NUMBER OF BLOWS	35	20	26			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.53	18.34	18.57			671.90	25.06	25.30	
MASS DRY SOIL + TARE (g)	15.62	15.38	15.55			603.85	23.37	23.57	
MASS OF WATER (g)	2.91	2.96	3.02			68.05	1.69	1.73	
MASS OF CONTAINER (g)	7.27	7.32	7.25			384.98	13.83	13.70	
MASS OF DRY SOIL (g)	8.35	8.06	8.30			218.87	9.54	9.87	
WATER CONTENT W (%)	34.9	36.7	36.4			31.1	17.7	17.5	

LIQUID LIMIT (%)	**36.2**
PLASTIC LIMIT (%)	**17.6**
PLASTICITY INDEX (%)	**18.5**
W NATURAL (%)	**31.1**
LIQUIDITY INDEX	**0.73**

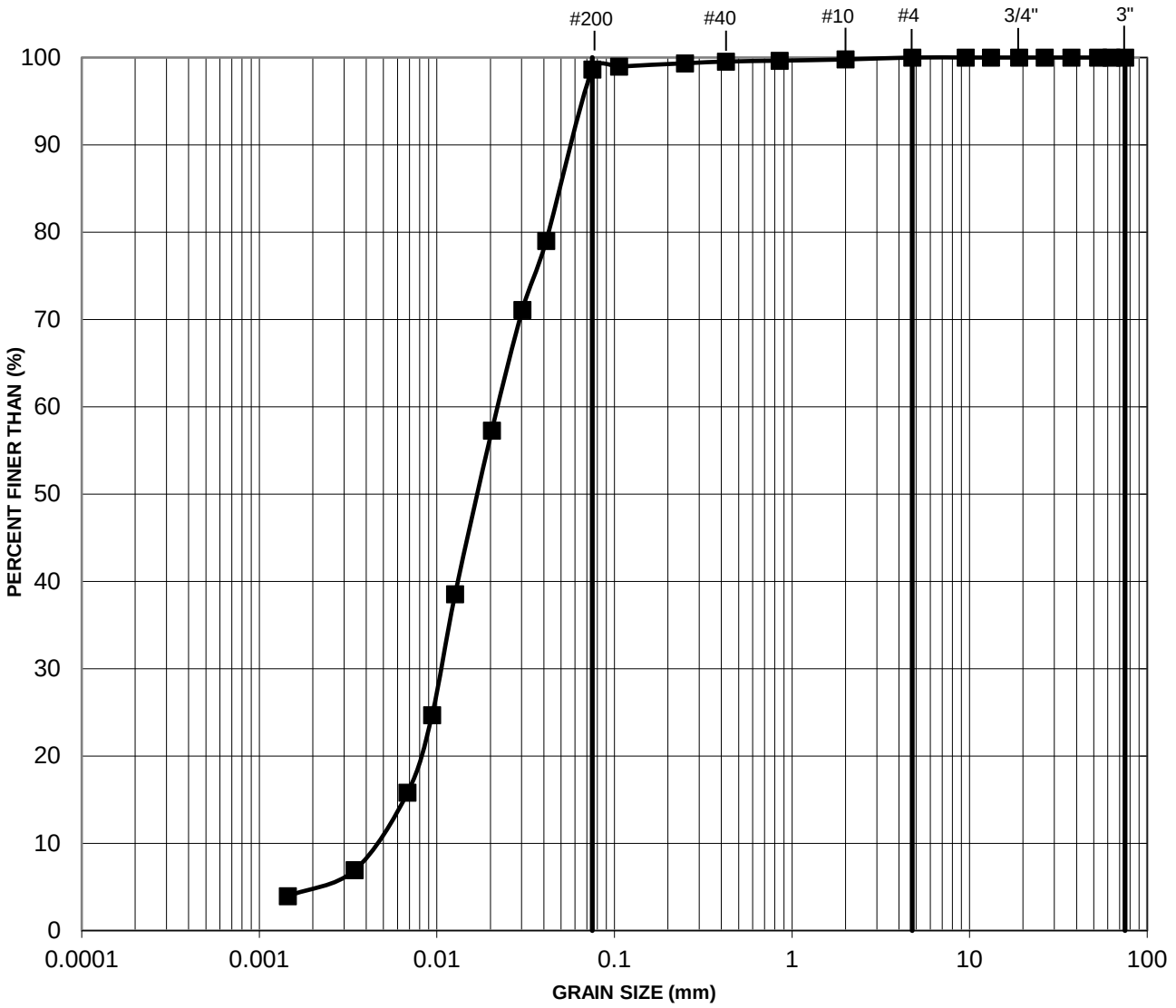


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH31	168403	21.6m - 21.9m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

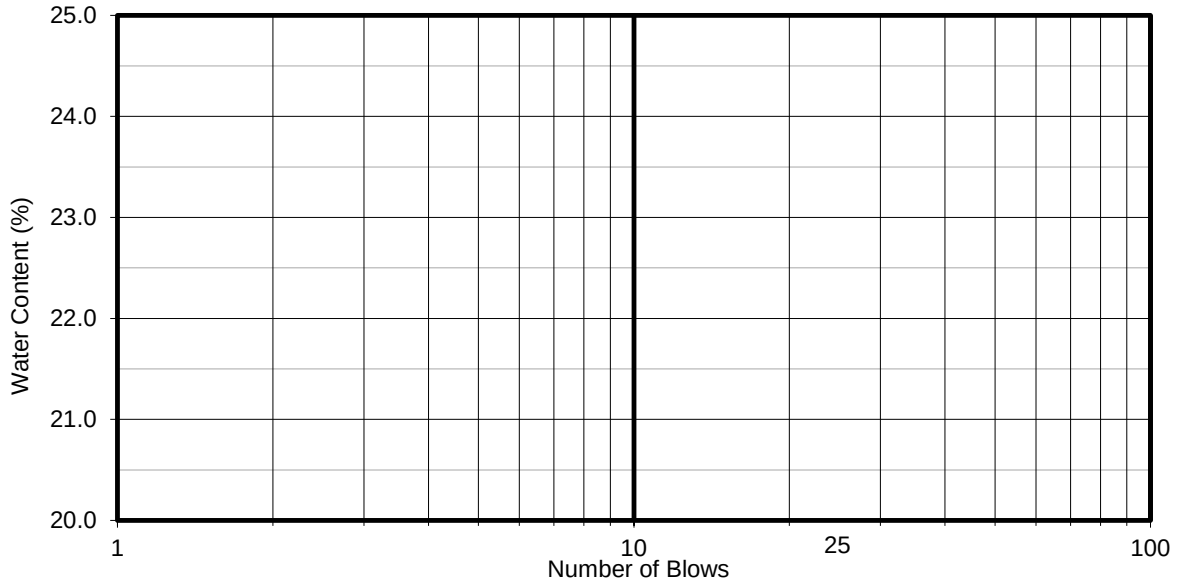
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 16, 2022**
Technician:	**HAB**
Lab Number:	**G465**
Borehole:	**SRK22 TSF BH31**
Sample Number:	**168403**
Depth of Sample:	**21.6m - 21.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						681.11			
MASS DRY SOIL + TARE (g)						622.56			
MASS OF WATER (g)						58.55			
MASS OF CONTAINER (g)						392.89			
MASS OF DRY SOIL (g)						229.67			
WATER CONTENT W (%)						25.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

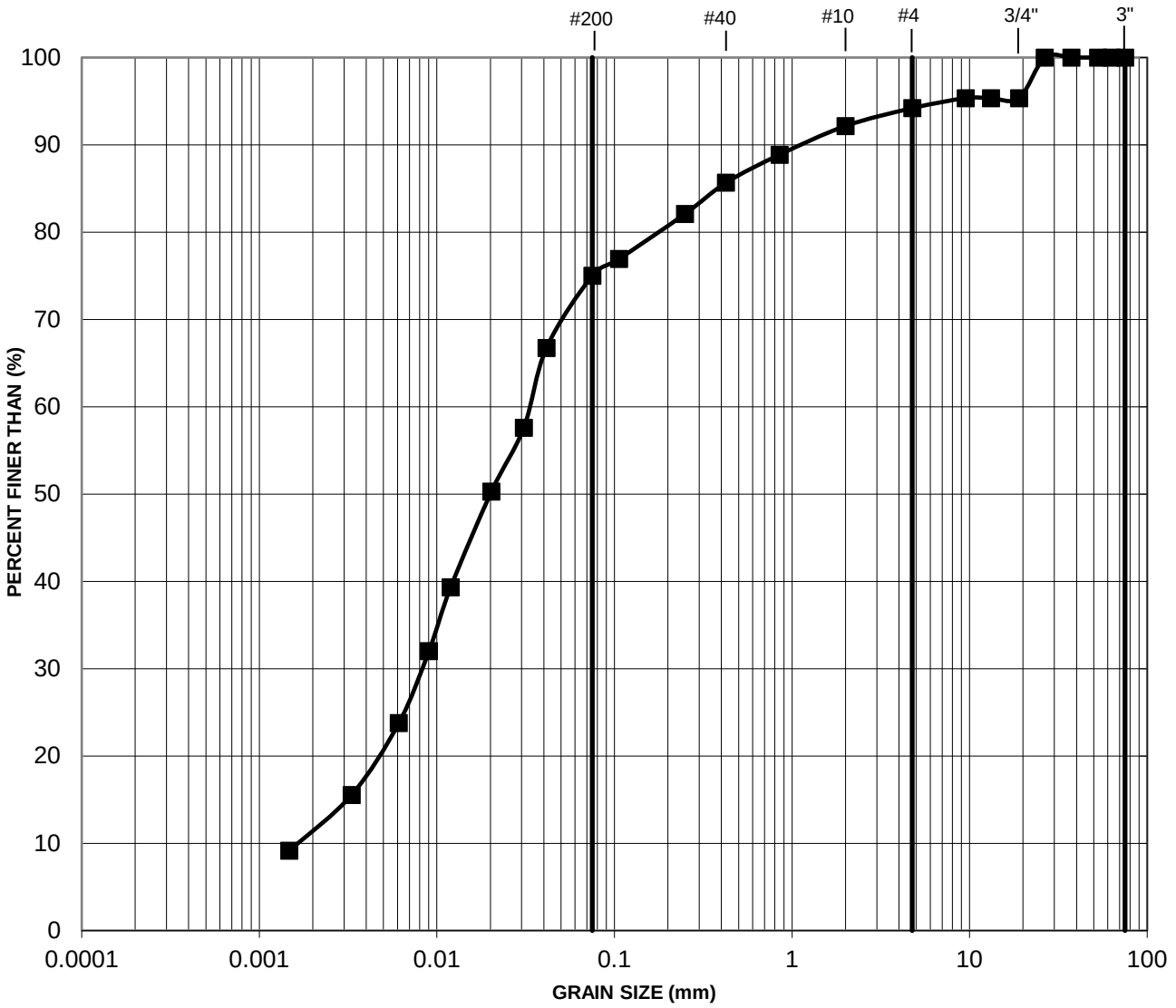


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22 TSF BH31	168407	31.2m - 31.5m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

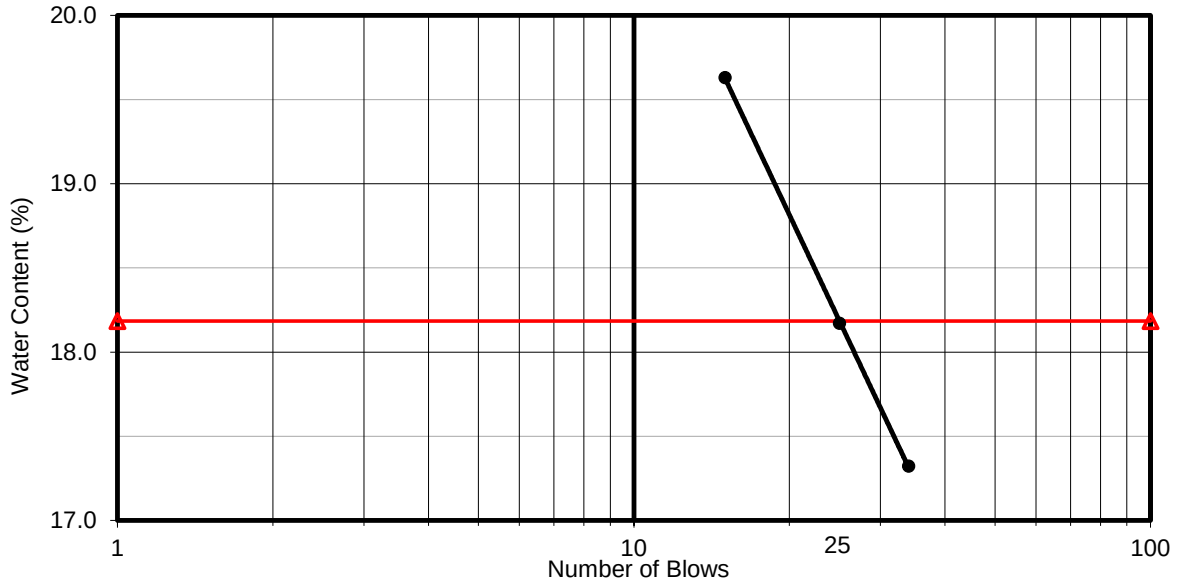
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 19, 2022**
Technician:	**HAB**
Lab Number:	**G466**
Borehole:	**SRK22 TSF BH31**
Sample Number:	**168407**
Depth of Sample:	**31.2m - 31.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r8l	5	68			X	h	t	
NUMBER OF BLOWS	15	25	34			X	X	X	X
MASS WET SOIL + TARE (g)	18.24	18.60	20.00			973.86	26.24	25.59	
MASS DRY SOIL + TARE (g)	16.43	16.85	18.11			903.03	24.68	24.04	
MASS OF WATER (g)	1.81	1.75	1.89			70.83	1.56	1.55	
MASS OF CONTAINER (g)	7.21	7.22	7.20			392.90	14.20	13.45	
MASS OF DRY SOIL (g)	9.22	9.63	10.91			510.13	10.48	10.59	
WATER CONTENT W (%)	19.6	18.2	17.3			13.9	14.9	14.6	

LIQUID LIMIT (%)	**18.2**
PLASTIC LIMIT (%)	**14.8**
PLASTICITY INDEX (%)	**3.4**
W NATURAL (%)	**13.9**
LIQUIDITY INDEX	**-0.26**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21473972-13000
Project Name:	CDN Nickel/Geotech WB WQ Supp
Client:	Canada Nickel Company
Org:	1701
Scheduled By:	Michael Etezad
Date Scheduled:	May 9, 2022
Due Date:	May 31, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G483

Test Totals: 9 - 3 6 4 3 - - -

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Specific Gravity	Organic Content	% Crushed	% ACP		Lab Number
21-TSF-BH10	58485	0.9	1.2	1		1		1						G484
21-TSF-BH10	58489	5.0	5.3	1		1		1						G485
21-TSF-BH10	58499	22	22.3	1			1		1					G486
21-TSF-BH10	85253	26.2	26.5	1			1	1						G487
21-TSF-BH09	58295	17.7	18.3	1			1		1					G488
21-TSF-BH09	58300	27.7	28	1			1							G489
21-TSF-BH07	58305	2.0	2.3	1		1		1	1					G490
21-TSF-BH07	58315	21.3	21.6	1			1							G491
21-TSF-BH07	58322	32.6	32.9	1			1							G492

GOLDER

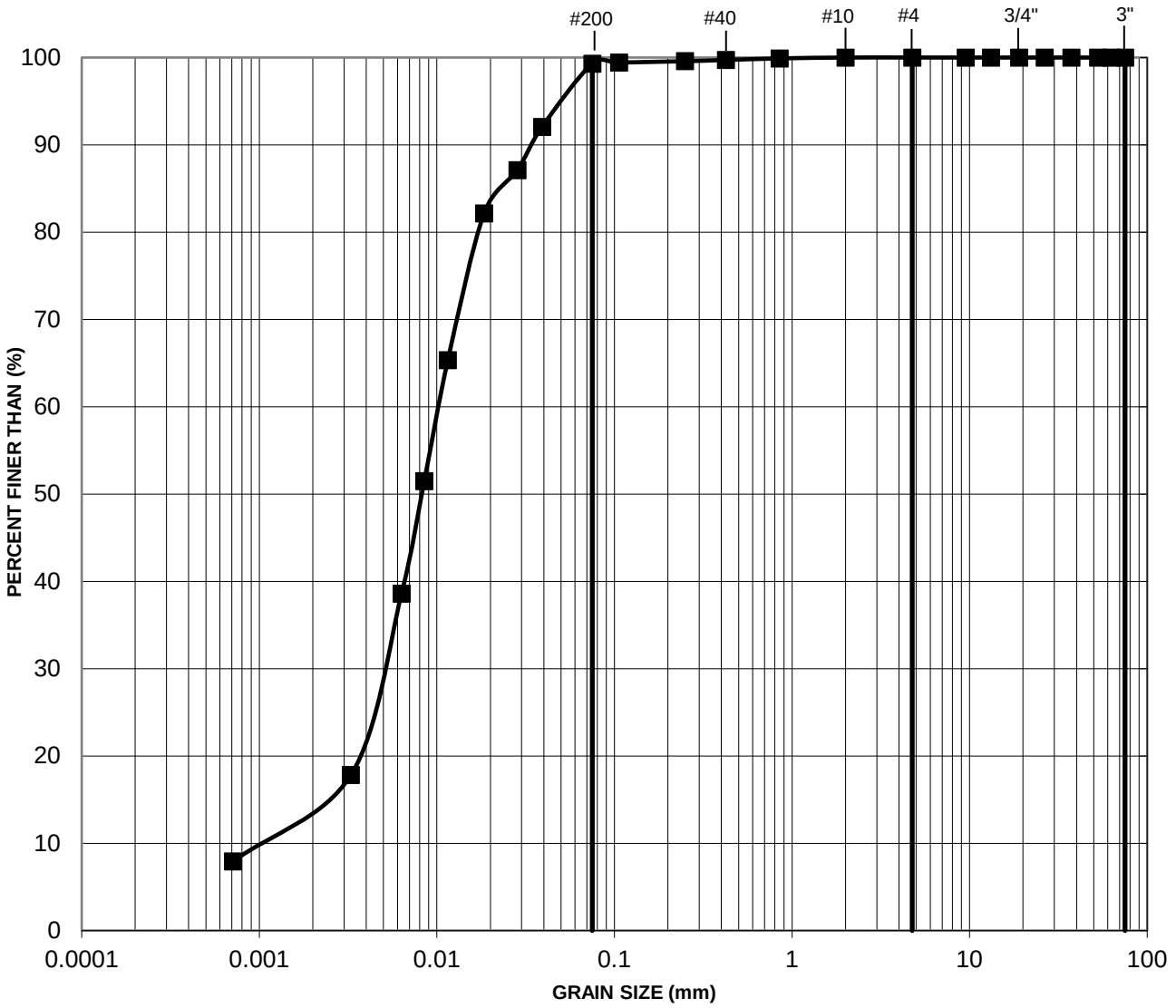
Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Lab Water Content No.:	**G483**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
21-TSF-BH10	58485	0.9m - 1.2m	23.0	24.9	21.4	3.5	0.5
21-TSF-BH10	58489	5m - 5.3m	23.1	26.8	15.1	11.7	0.7
21-TSF-BH10	58499	21.9m - 22.3m	10.6				
21-TSF-BH10	85253	26.2m - 26.5m	16.6	33.0	27.4	5.6	-1.9
21-TSF-BH09	58295	17.7m - 18.3m	11.8				
21-TSF-BH09	58300	27.7m - 28m	6.3				
21-TSF-BH07	58305	2m - 2.3m	20.8	39.6	25.5	14.1	-0.3
21-TSF-BH07	58315	21.3m - 21.6m	31.0				
21-TSF-BH07	58322	32.6m - 32.9m	14.5				

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH10	58485	0.9m - 1.2m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

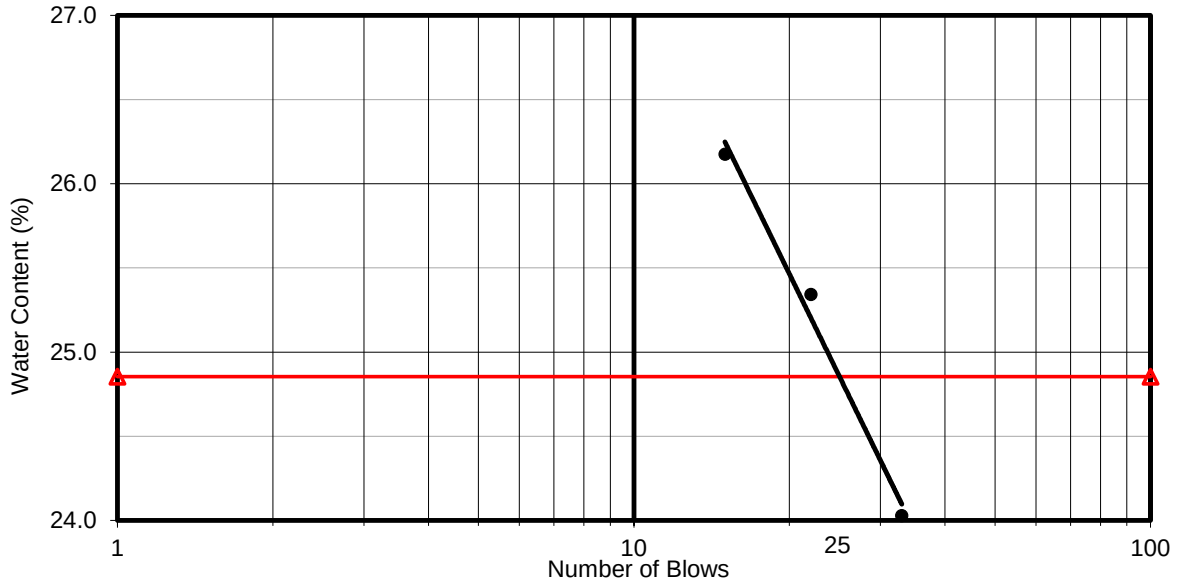
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G484**
Borehole:	**21-TSF-BH10**
Sample Number:	**58485**
Depth of Sample:	**0.9m - 1.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	K2	K4	R23L			**X**	1A	R9	
NUMBER OF BLOWS	15	22	33			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.31	18.24	19.36			763.87	26.45	26.55	
MASS DRY SOIL + TARE (g)	16.03	16.02	17.01			665.79	24.17	24.37	
MASS OF WATER (g)	2.28	2.22	2.35			98.08	2.28	2.18	
MASS OF CONTAINER (g)	7.32	7.26	7.23			238.73	13.92	13.76	
MASS OF DRY SOIL (g)	8.71	8.76	9.78			427.06	10.25	10.61	
WATER CONTENT W (%)	26.2	25.3	24.0			23.0	22.2	20.5	

LIQUID LIMIT (%)	**24.9**
PLASTIC LIMIT (%)	**21.4**
PLASTICITY INDEX (%)	**3.5**
W NATURAL (%)	**23.0**
LIQUIDITY INDEX	**0.45**

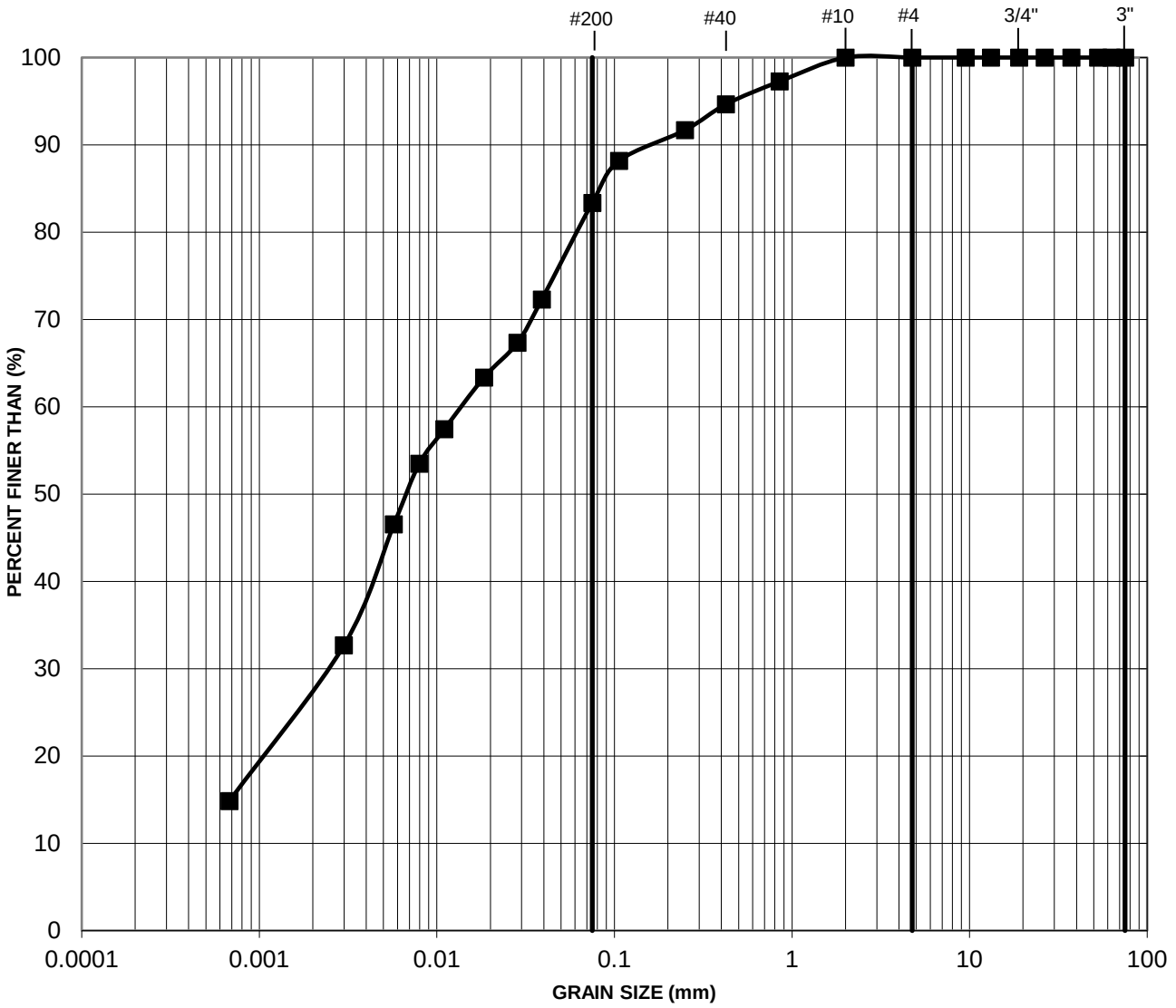


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH10	58489	5m - 5.3m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

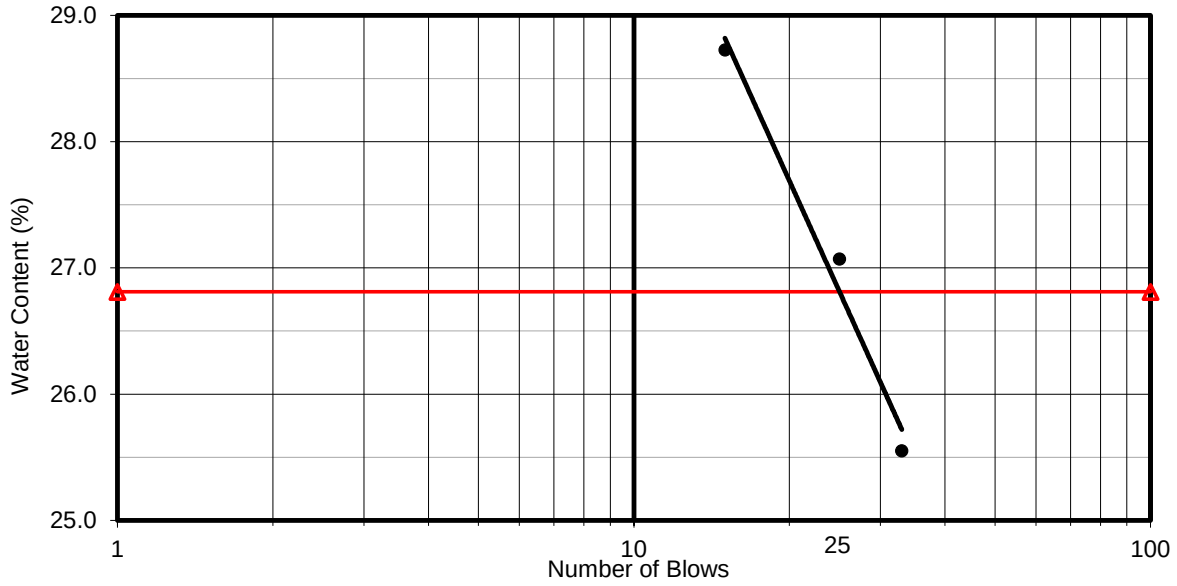
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G485**
Borehole:	**21-TSF-BH10**
Sample Number:	**58489**
Depth of Sample:	**5m - 5.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5m	R11L	R14L			**X**	u	R23	
NUMBER OF BLOWS	15	25	33			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.90	17.61	18.11			771.00	26.16	26.19	
MASS DRY SOIL + TARE (g)	16.28	15.42	15.91			671.28	24.57	24.62	
MASS OF WATER (g)	2.62	2.19	2.20			99.72	1.59	1.57	
MASS OF CONTAINER (g)	7.16	7.33	7.30			240.17	14.10	14.16	
MASS OF DRY SOIL (g)	9.12	8.09	8.61			431.11	10.47	10.46	
WATER CONTENT W (%)	28.7	27.1	25.6			23.1	15.2	15.0	

LIQUID LIMIT (%)	**26.8**
PLASTIC LIMIT (%)	**15.1**
PLASTICITY INDEX (%)	**11.7**
W NATURAL (%)	**23.1**
LIQUIDITY INDEX	**0.69**



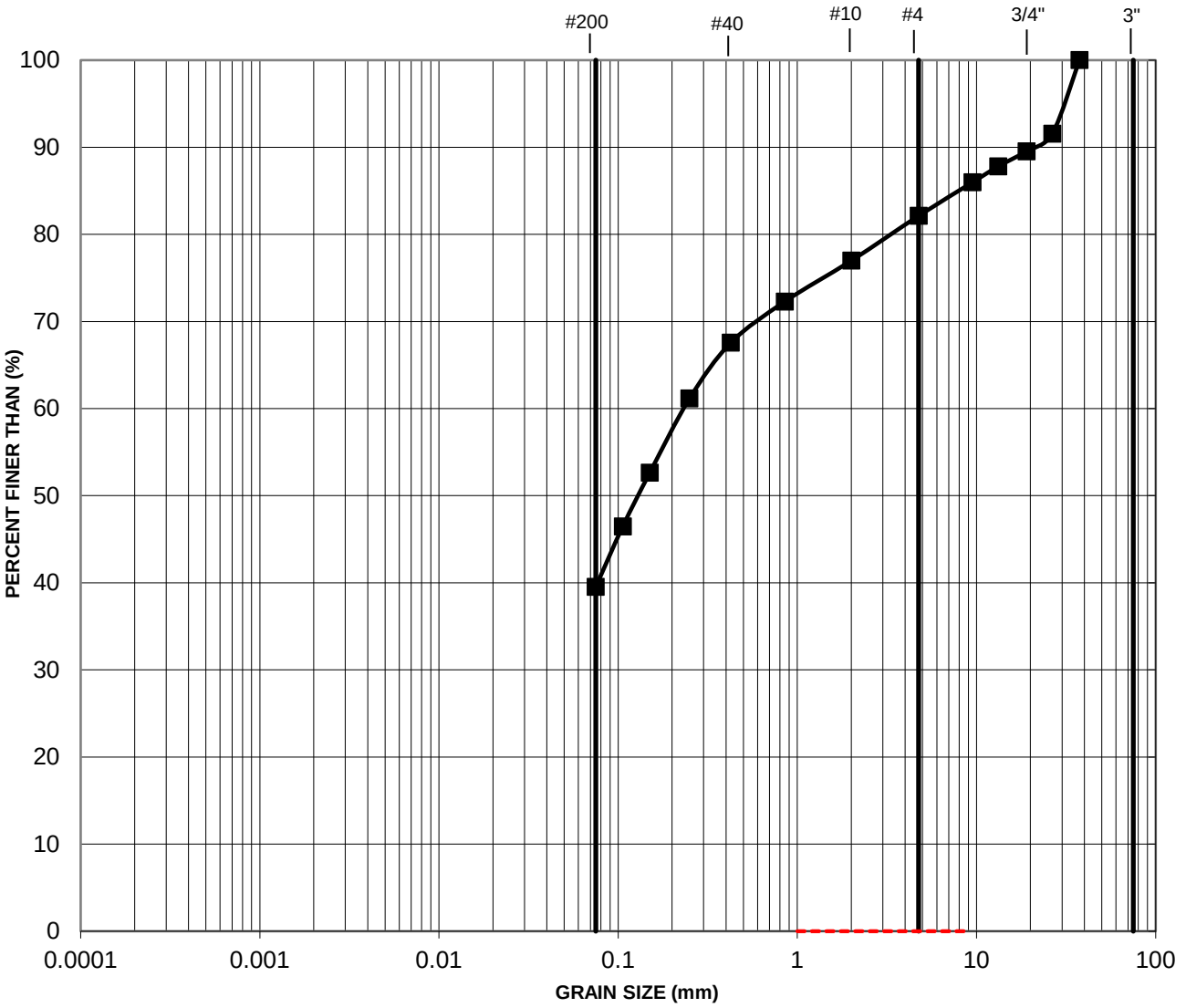
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH10	58499	21.9m - 22.3m

Project No./Phase/Task: 21473972-13000

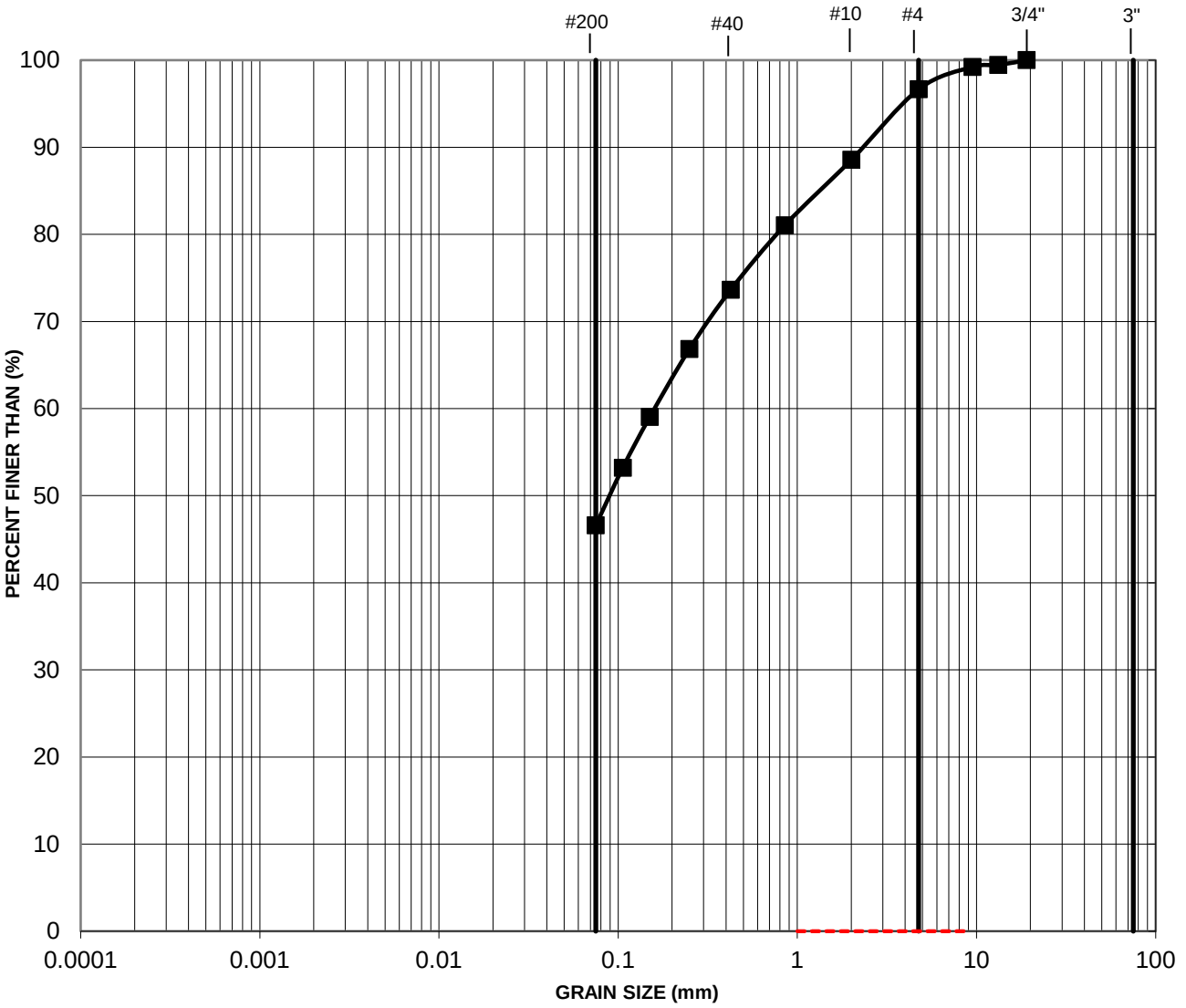
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH10	85253	26.2m - 26.5m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

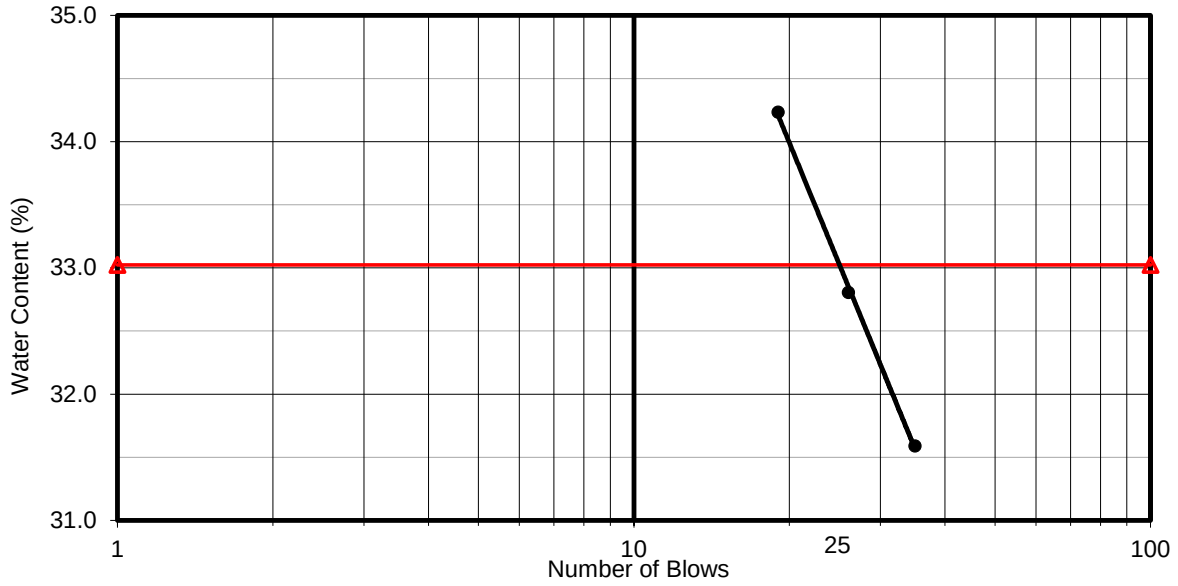
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**20-May-22**
Technician:	**HAB**
Lab Number:	**G487**
Borehole:	**21-TSF-BH10**
Sample Number:	**85253**
Depth of Sample:	**26.2m - 26.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	3m	R13L	R21			**X**	i	R5	
NUMBER OF BLOWS	26	35	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.43	17.85	17.68			1591.78	27.15	26.60	
MASS DRY SOIL + TARE (g)	14.94	15.31	15.02			1399.04	24.33	23.89	
MASS OF WATER (g)	2.49	2.54	2.66			192.74	2.82	2.71	
MASS OF CONTAINER (g)	7.35	7.27	7.25			239.38	14.19	13.88	
MASS OF DRY SOIL (g)	7.59	8.04	7.77			1159.66	10.14	10.01	
WATER CONTENT W (%)	32.8	31.6	34.2			16.6	27.8	27.1	

LIQUID LIMIT (%)	**33.0**
PLASTIC LIMIT (%)	**27.4**
PLASTICITY INDEX (%)	**5.6**
W NATURAL (%)	**16.6**
LIQUIDITY INDEX	**-1.94**



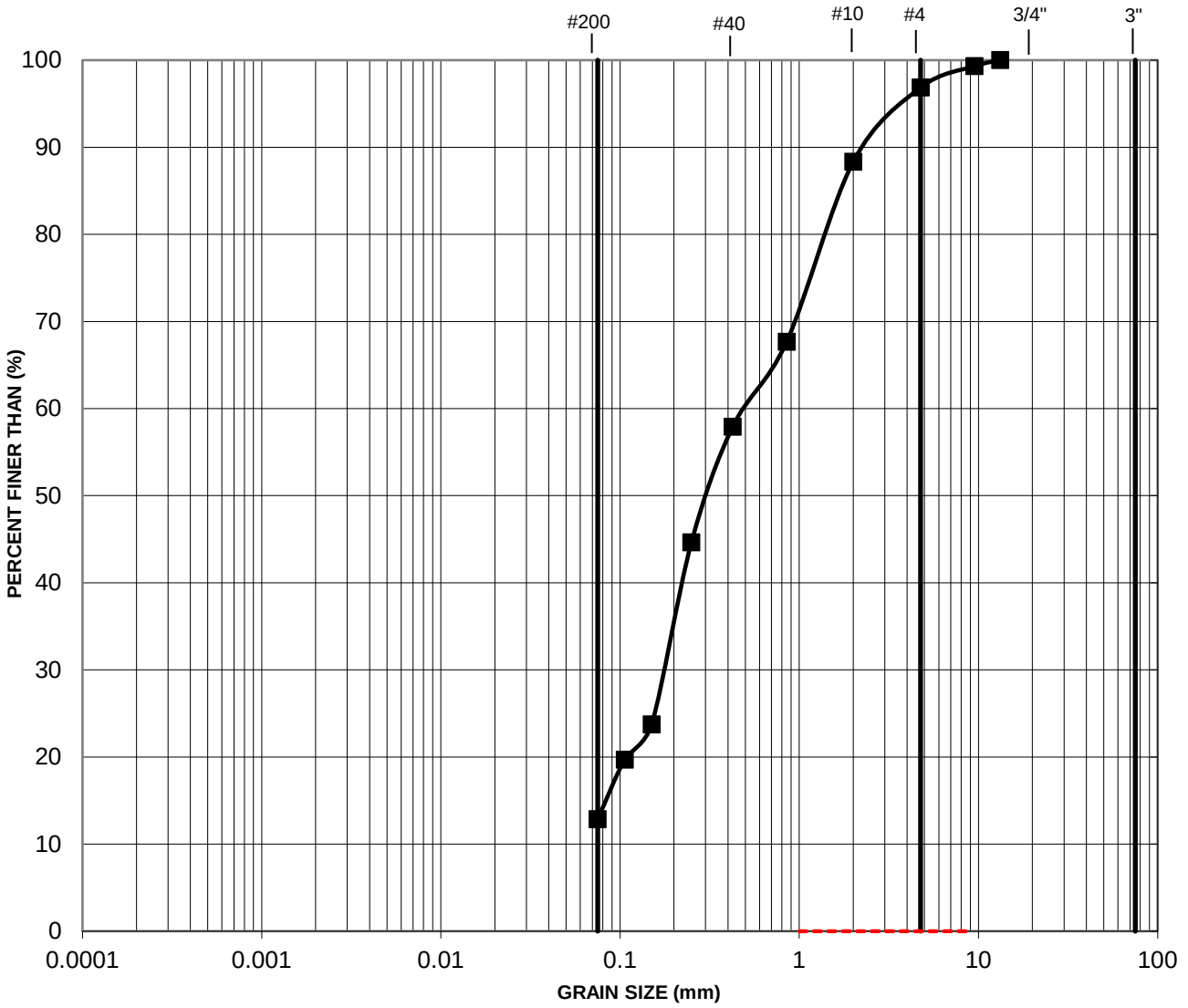
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH09	58295	17.7m - 18.3m

Project No./Phase/Task: 21473972-13000

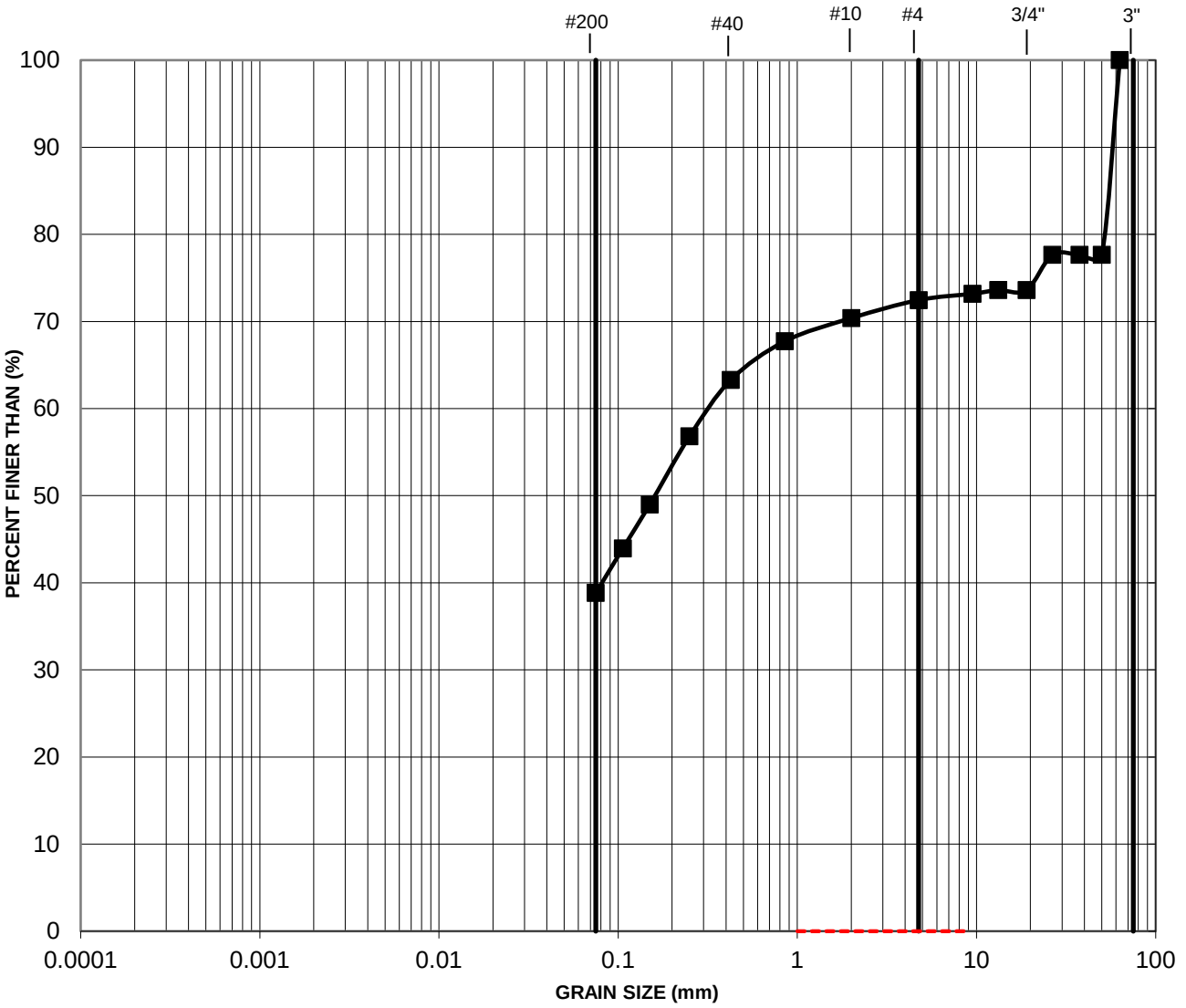
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH09	58300	27.7m - 28m

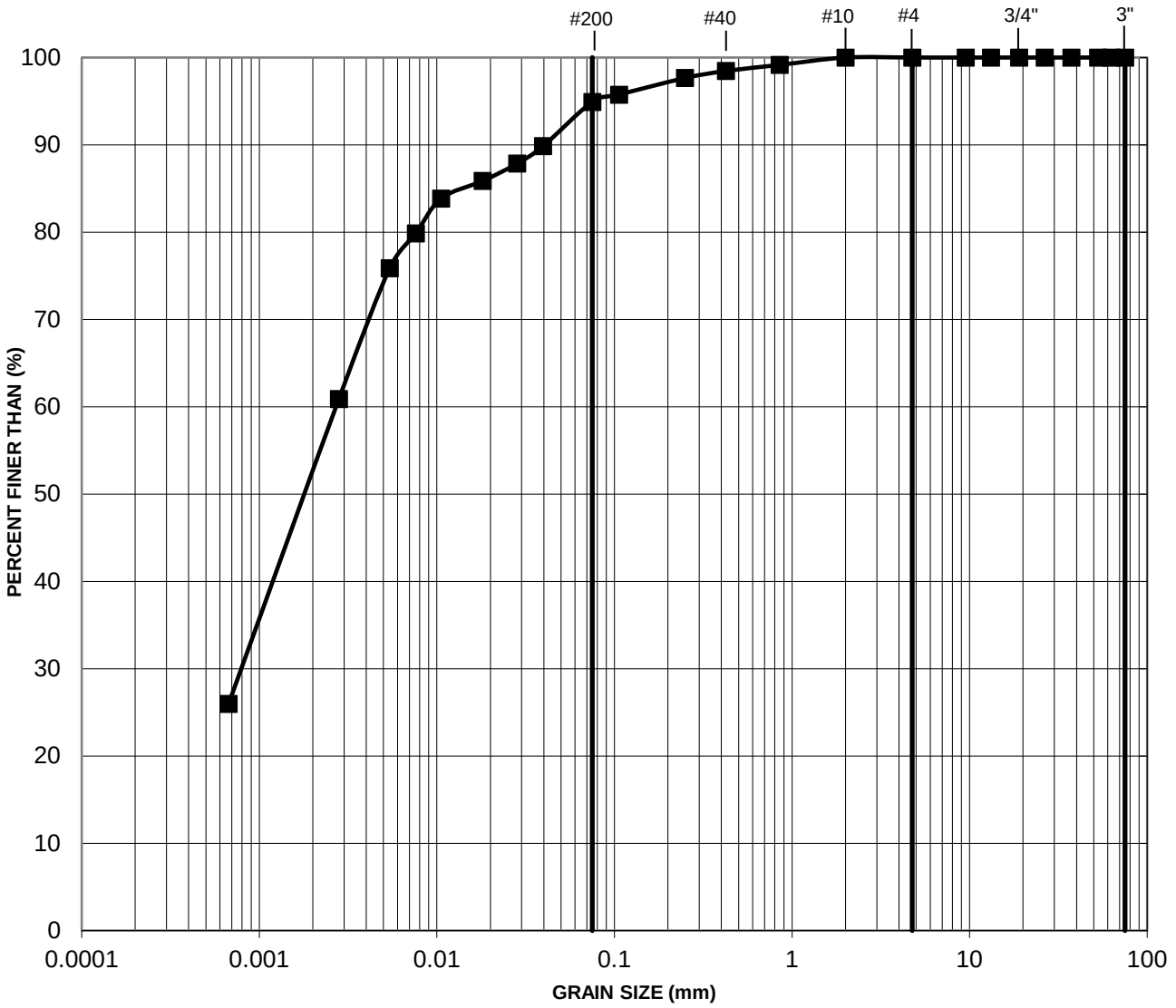
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH07	58305	2m - 2.3m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

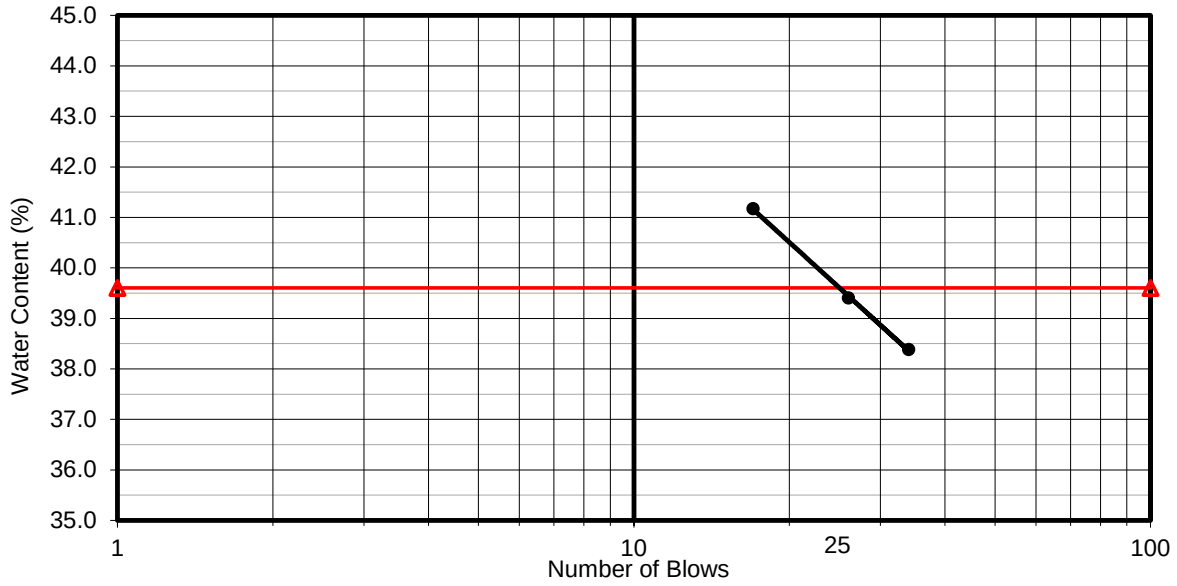
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp**
Test Date:	**May 24, 2022**
Technician:	**HAB**
Lab Number:	**G490**
Borehole:	**21-TSF-BH07**
Sample Number:	**58305**
Depth of Sample:	**2m - 2.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1a	1l	6l			X	5m	r24	
NUMBER OF BLOWS	34	26	17			X	X	X	X
MASS WET SOIL + TARE (g)	18.52	18.07	19.73			1004.81	26.08	27.23	
MASS DRY SOIL + TARE (g)	15.38	15.02	16.09			903.62	23.60	24.61	
MASS OF WATER (g)	3.14	3.05	3.64			101.19	2.48	2.62	
MASS OF CONTAINER (g)	7.20	7.28	7.25			417.61	13.69	14.54	
MASS OF DRY SOIL (g)	8.18	7.74	8.84			486.01	9.91	10.07	
WATER CONTENT W (%)	38.4	39.4	41.2			20.8	25.0	26.0	

LIQUID LIMIT (%)	**39.6**
PLASTIC LIMIT (%)	**25.5**
PLASTICITY INDEX (%)	**14.1**
W NATURAL (%)	**20.8**
LIQUIDITY INDEX	**-0.33**



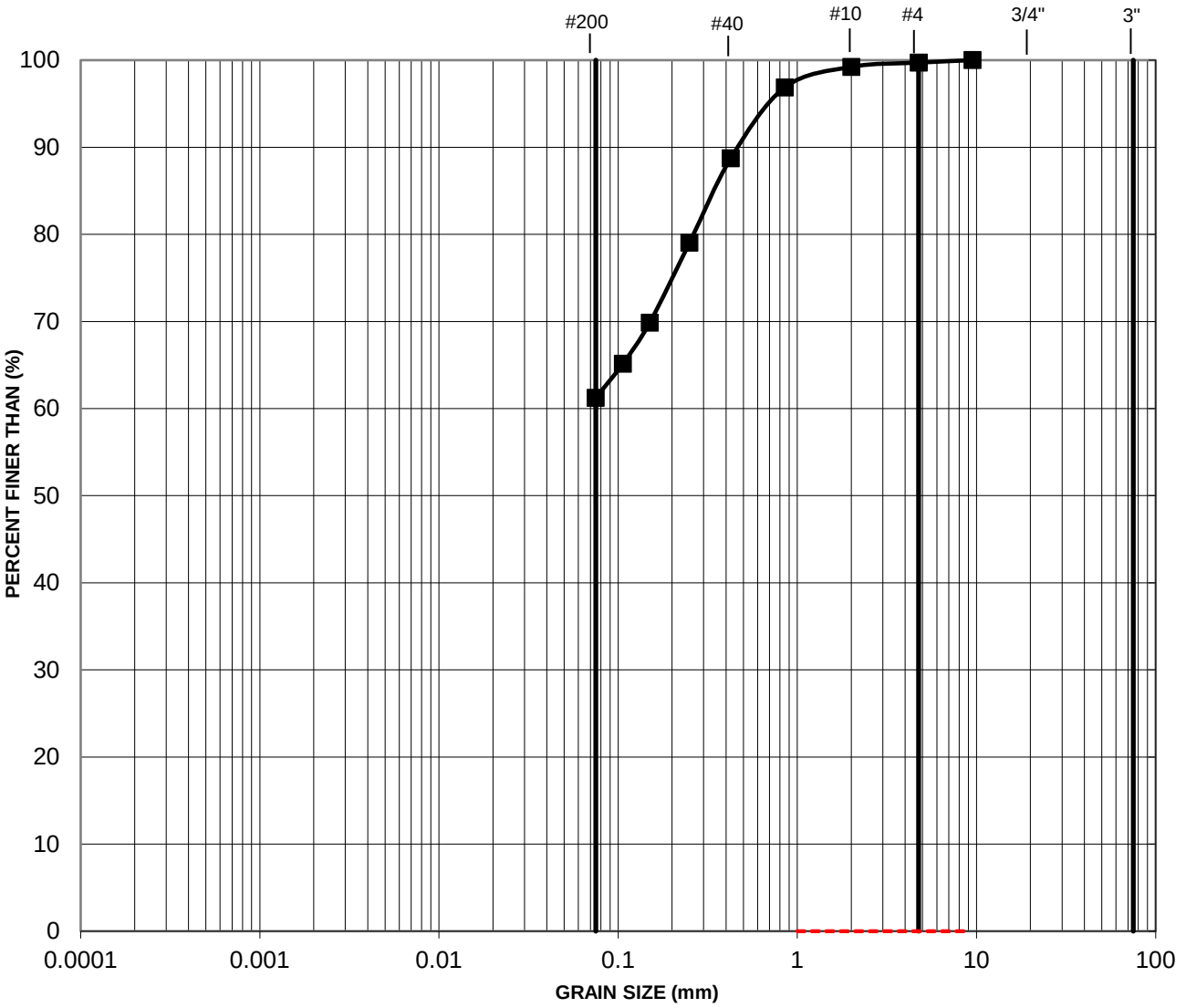
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH07	58315	21.3m - 21.6m

Project No./Phase/Task: 21473972-13000

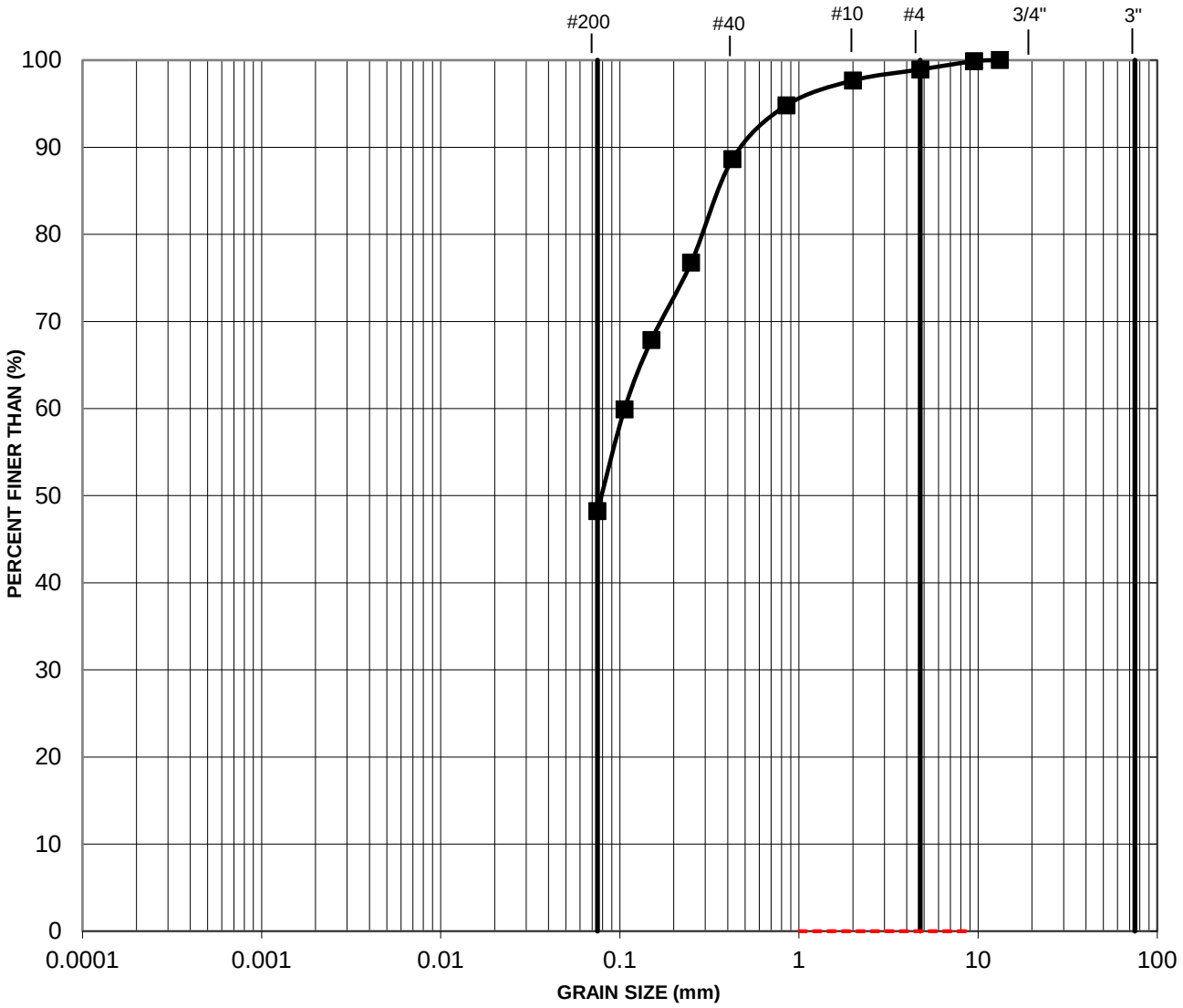
Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH07	58322	32.6m - 32.9m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company/CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.08	53.62	53.56
m_o) Mass of Dry Soil (g) = m_s - m_f	20.00	20.00	20.01
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.27	95.88	95.93
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.688	2.686	2.675
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.687	2.685	2.674
G_{avg}) Average Specific Gravity at 20 °C	2.682		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	21-TSF-BH10
		Sample #:	58499
Lab Number	G486	Depth (m)	22-22.3
Tested By	EG	Date Reported	May 24, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.66	52.21	51.19
m_o) Mass of Dry Soil (g) = m_s - m_f	20.01	20.01	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.00	94.64	93.70
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.714	2.704	2.696
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.713	2.703	2.695
G_{avg}) Average Specific Gravity at 20 °C	2.704		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	21-TSF-BH09
		Sample #:	58295
Lab Number	G488	Depth (m)	17.7-18.3
Tested By	EG	Date Reported	May 27, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.67	52.20	51.21
m_o) Mass of Dry Soil (g) = m_s - m_f	20.02	20.00	20.02
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.01	94.63	93.72
T_x) Test Temperature (0.5 °C)	21.0	21.0	21.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.716	2.703	2.699
K) Correction Factor	0.99980	0.99980	0.99980
G_s) Specific Gravity at 20°C = K x G	2.715	2.702	2.698
G_{avg}) Average Specific Gravity at 20 °C	2.705		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	21-TSF-BH07
		Sample #:	58305
Lab Number	G490	Depth (m)	2-2.3
Tested By	EG	Date Reported	May 27, 2022
Input by:	JM	Checked By	TG

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

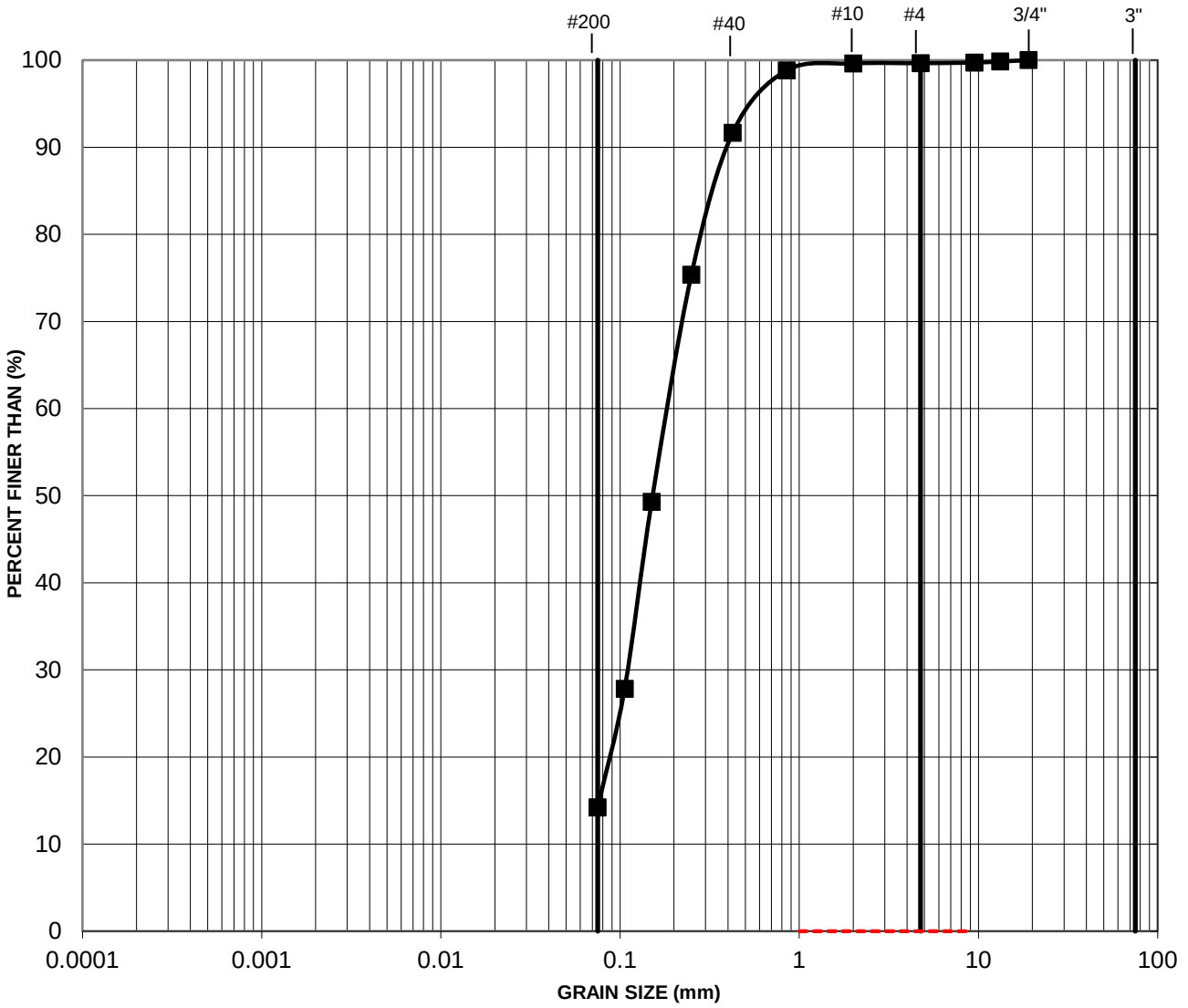
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Lab Water Content No.:	**G188**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
21-TSF-BH17	58353	6m - 6.2m	13.2				
21-TSF-BH17	58355	10m - 10.2m	18.2				
21-TSF-BH17	58358	26.4m - 26.8m	17.6				
21-TSF-BH08	58362	3.7m - 4m	11.2				
21-TSF-BH08	58366	15.2m - 15.5m	14.8				
21-TSF-BH08	38670	36m - 36.3m	23.3				
21-TSF-BH18	58389	16.2m - 16.8m	11.2	13.8	11.9	1.9	-0.4
21-TSF-BH18	58392	26.8m - 27.1m	8.0	14.8	13.1	1.6	-3.2
21-TSF-BH18	58394	32m - 32.3m	16.1				
21-TSF-BH18	58397	42.4m - 43m	19.9	NP	NP	NP	NP
21-TSF-BH18	58399	45.1m - 45.4m	20.1	23.5	19.4	4.1	0.2
21-TSF2-BH103	167526	4m - 4.3m	25.4	33.8	17.0	16.8	0.5
21-TSF2-BH103	167529	7.3m - 7.6m	25.9	32.5	16.4	16.1	0.6
21-TSF2-BH103	167532	10.1m - 10.4m	27.0	32.7	17.5	15.2	0.6
21-TSF2-BH103	167538	19.8m - 20.1m	11.1				
21-TSF2-BH103	167544	26.2m - 26.5m	10.5				
21-TSF2-BH103	167548	33.5m - 33.8m	11.3				
21-TSF2-BH102	167755	4.6m - 5.2m	20.3	28.3	15.1	13.2	0.4
21-TSF2-BH102	167758	7.3m - 7.6m	29.1	35.6	19.3	16.3	0.6
21-TSF2-BH102	167764	17.4m - 17.7m	11.2	16.5	13.3	3.2	-0.6
21-TSF2-BH102	167770	25.6m - 25.9m	28.1	41.2	28.4	12.8	0.0
21-TSF2-BH102	167775	34.4m - 34.7m	22.8	26.5	18.7	7.8	0.5
22-TSF-BH01	167657	7m - 7.3m	20.7	25.7	15.4	10.4	0.5
22-TSF-BH01	167664	20.3m - 20.6m	17.3				
22-TSF-BH01A	167670	6.1m - 6.4m	20.9	26.8	15.7	11.1	0.5
22-TSF-BH01A	167673	13.1m - 13.4m	18.0	30.0	20.3	9.7	-0.2
22-TSF-BH01A	167677	25.3m - 25.6m	12.0				
22-TSF-BH01A	167680	32m - 32.3m	8.9				

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH17	58355	10m - 10.2m

Project No./Phase/Task: 21473972-13000

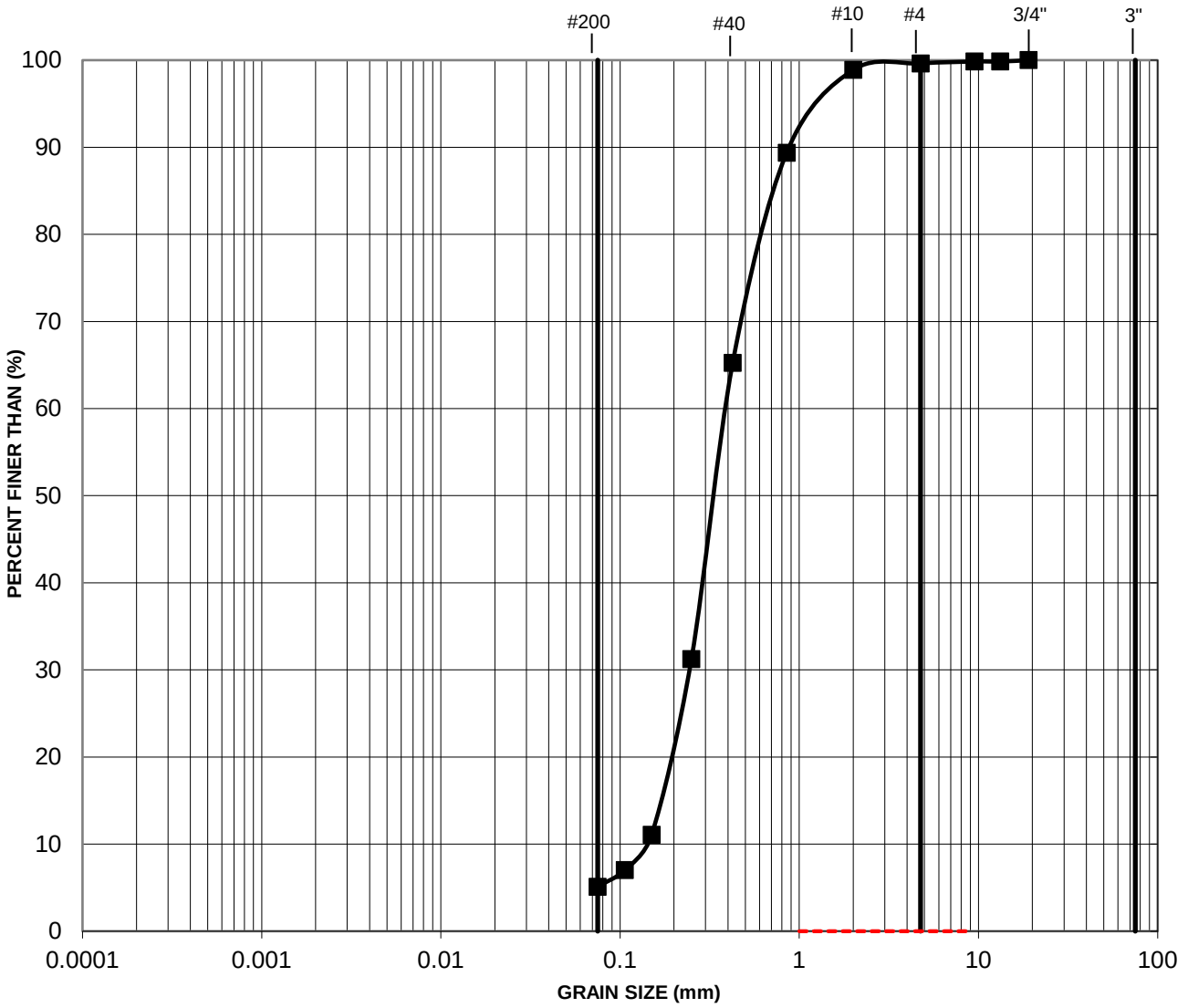
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH17	58358	26.4m - 26.8m

Project No./Phase/Task: 21473972-13000

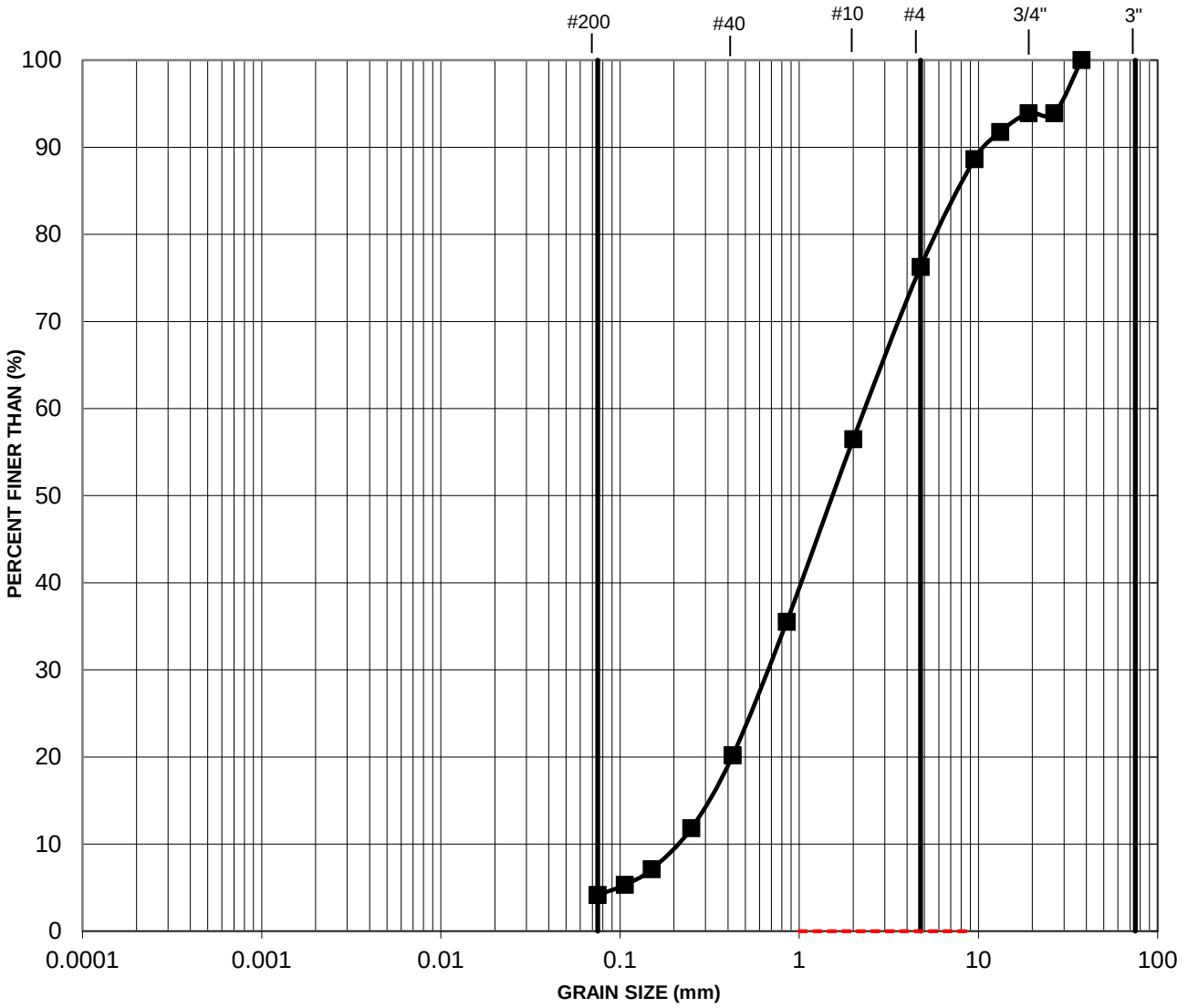
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH08	58362	3.7m - 4m

Project No./Phase/Task: 21473972-13000

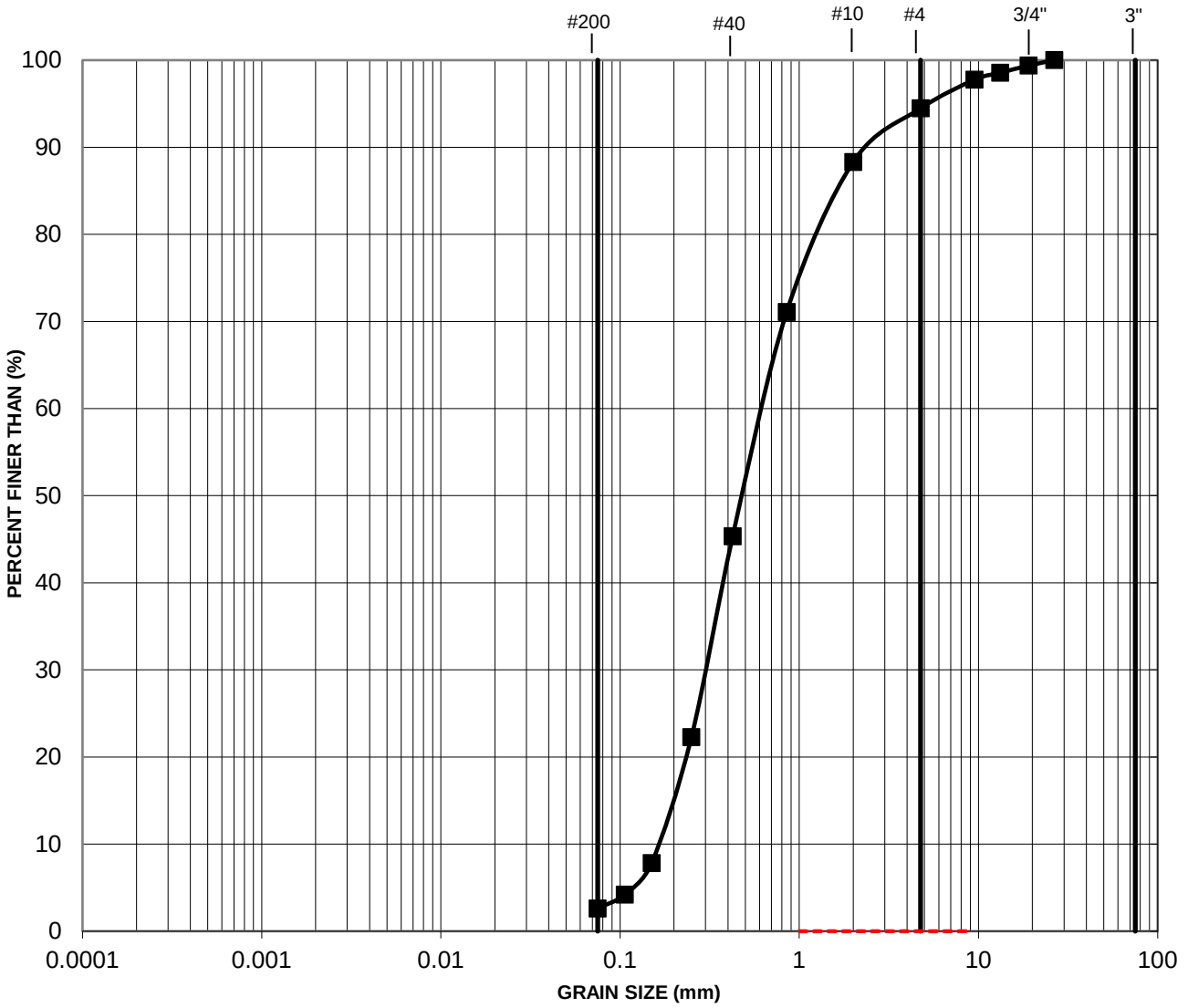
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

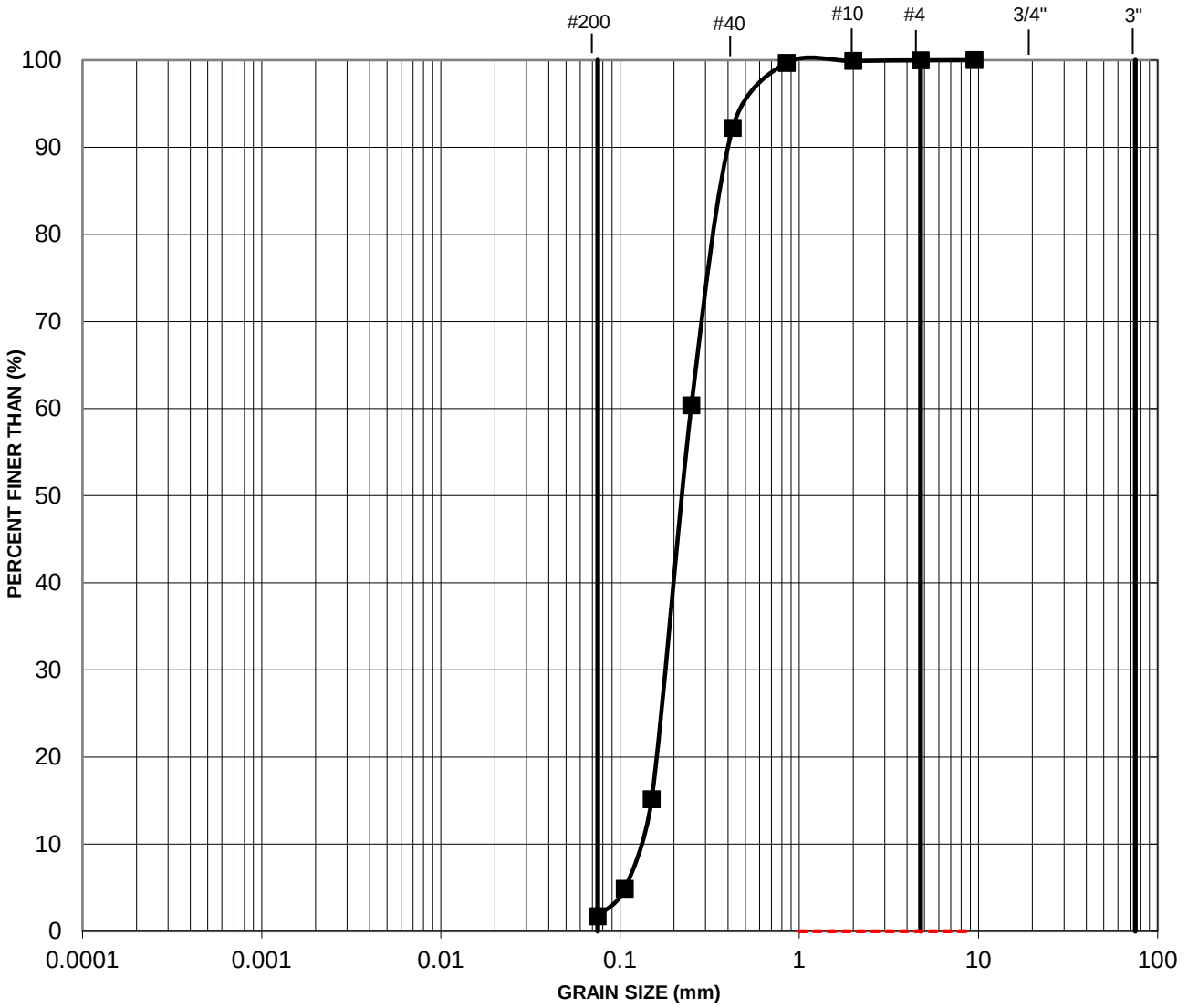
BH / Location	Sample	Depth
21-TSF-BH08	58366	15.2m - 15.5m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH08	38670	36m - 36.3m

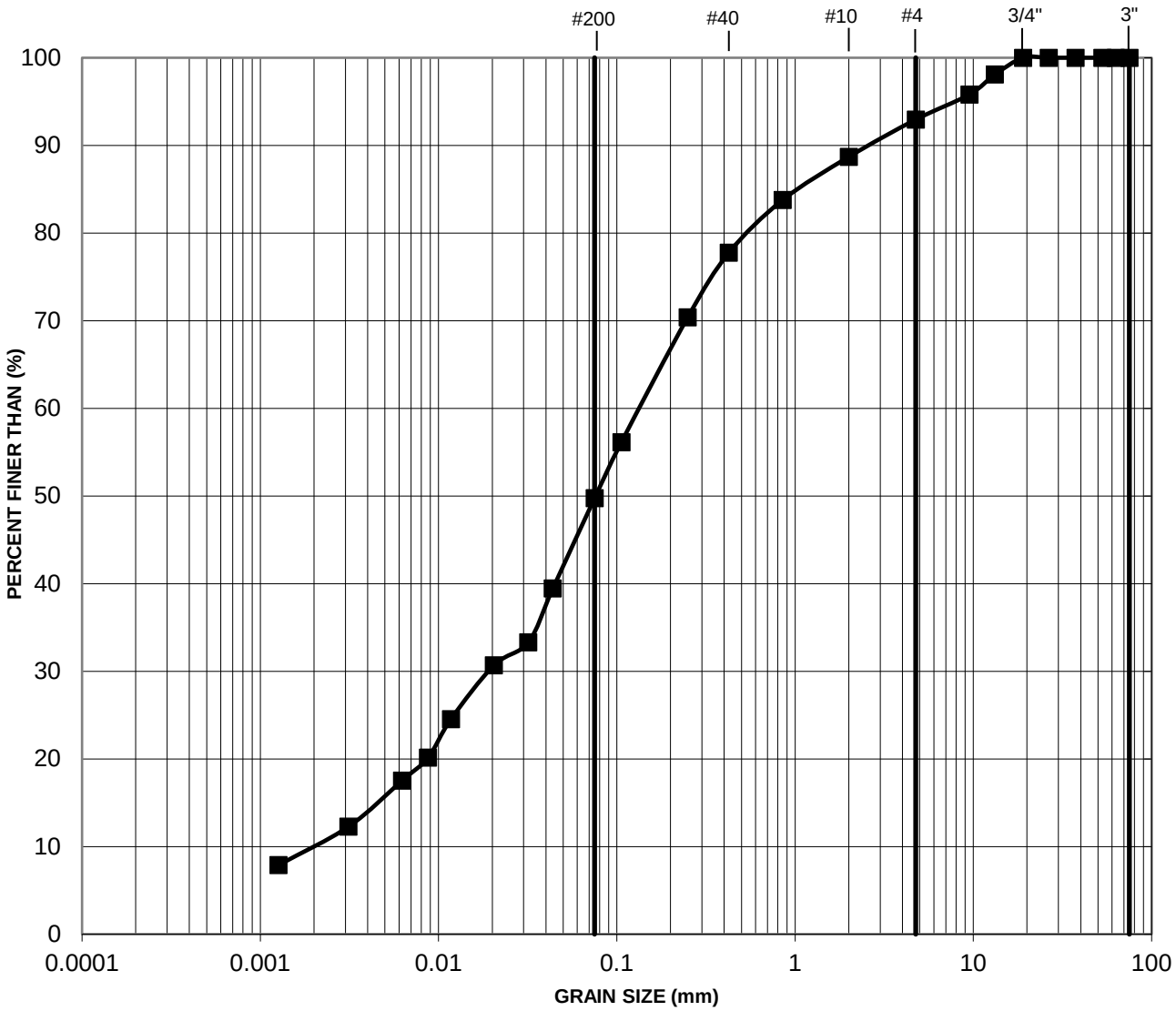
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH18	58389	16.2m - 16.8m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

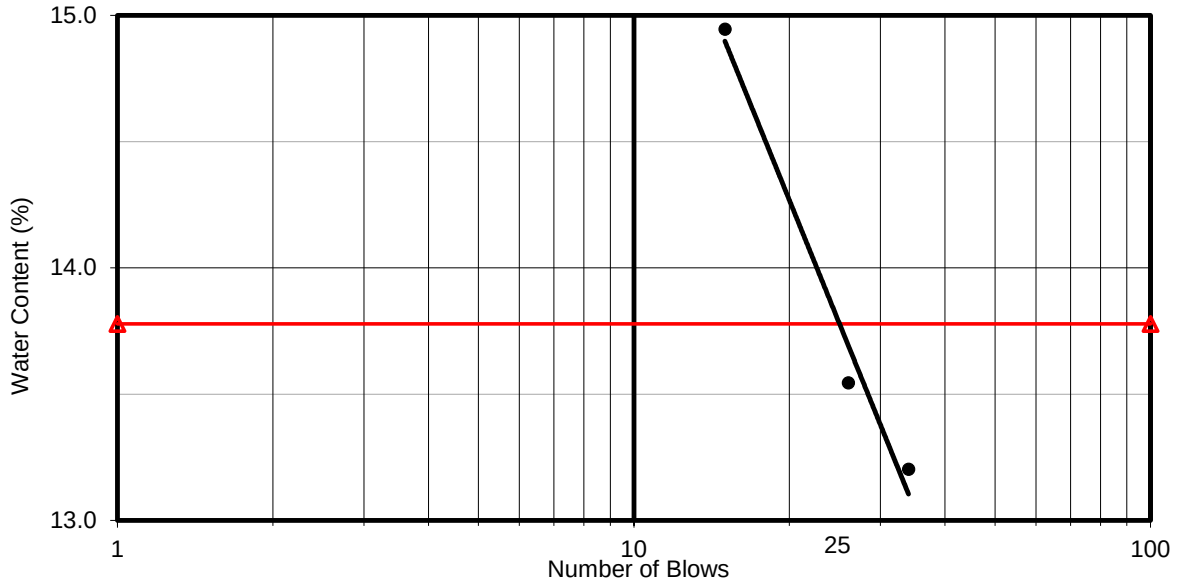
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**29-Mar-22**
Technician:	**HAB**
Lab Number:	**G204**
Borehole:	**21-TSF-BH18**
Sample Number:	**58389**
Depth of Sample:	**16.2m - 16.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1m	7L	R8L			X	67	76	
NUMBER OF BLOWS	15	34	26			X	X	X	X
MASS WET SOIL + TARE (g)	17.89	17.78	17.94			897.51	34.45	34.44	
MASS DRY SOIL + TARE (g)	16.50	16.56	16.66			846.26	33.04	33.00	
MASS OF WATER (g)	1.39	1.22	1.28			51.25	1.41	1.44	
MASS OF CONTAINER (g)	7.20	7.32	7.21			388.03	21.20	20.91	
MASS OF DRY SOIL (g)	9.30	9.24	9.45			458.23	11.84	12.09	
WATER CONTENT W (%)	14.9	13.2	13.5			11.2	11.9	11.9	

LIQUID LIMIT (%)	**13.8**
PLASTIC LIMIT (%)	**11.9**
PLASTICITY INDEX (%)	**1.9**
W NATURAL (%)	**11.2**
LIQUIDITY INDEX	**-0.39**



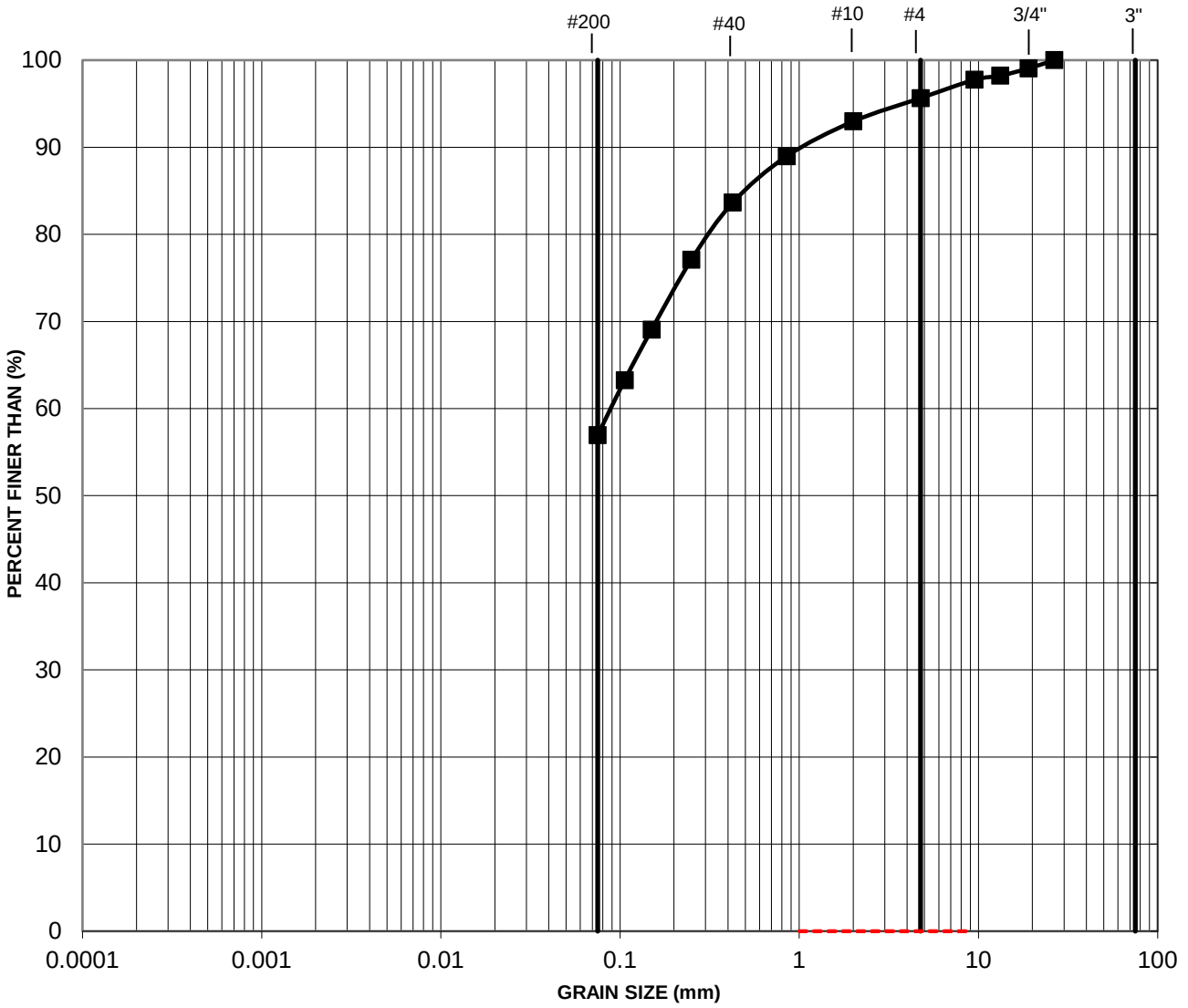
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH18	58392	26.8m - 27.1m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

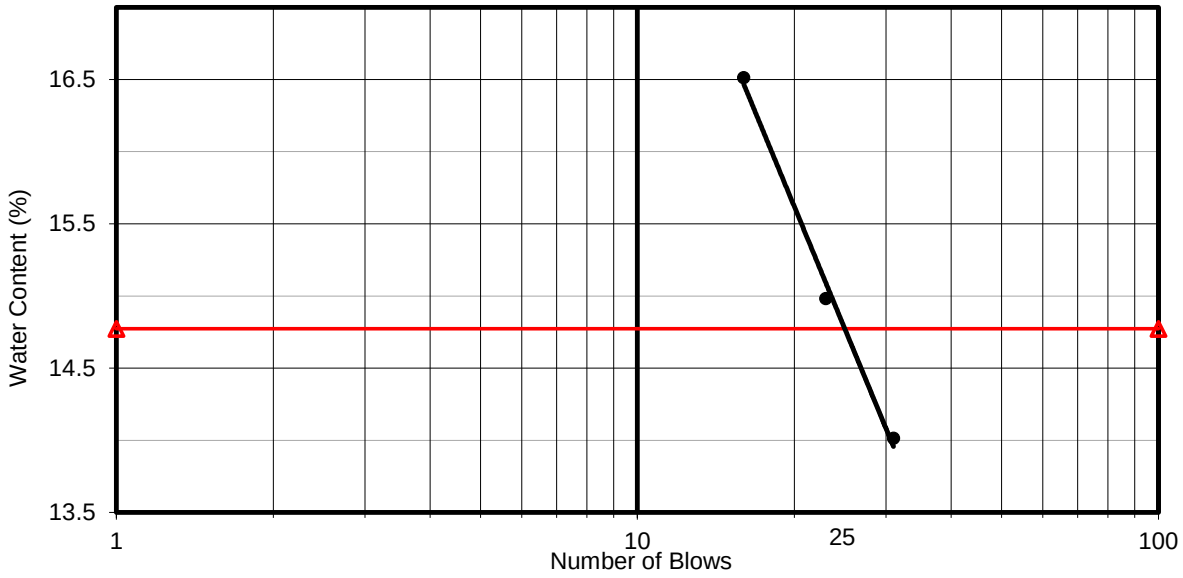
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**04-Apr-22**
Technician:	**HAB**
Lab Number:	**G205**
Borehole:	**21-TSF-BH18**
Sample Number:	**58392**
Depth of Sample:	**26.8m - 27.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	41	44	403			**X**	R6	MR29	
NUMBER OF BLOWS	16	23	31			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	21.25	21.36	23.03			4499.30	26.58	26.74	
MASS DRY SOIL + TARE (g)	19.80	20.04	21.55			4203.80	25.12	25.31	
MASS OF WATER (g)	1.45	1.32	1.48			295.50	1.46	1.43	
MASS OF CONTAINER (g)	11.02	11.23	10.99			508.70	14.20	14.24	
MASS OF DRY SOIL (g)	8.78	8.81	10.56			3695.10	10.92	11.07	
WATER CONTENT W (%)	16.5	15.0	14.0			8.0	13.4	12.9	

LIQUID LIMIT (%)	**14.8**
PLASTIC LIMIT (%)	**13.1**
PLASTICITY INDEX (%)	**1.6**
W NATURAL (%)	**8.0**
LIQUIDITY INDEX	**-3.16**



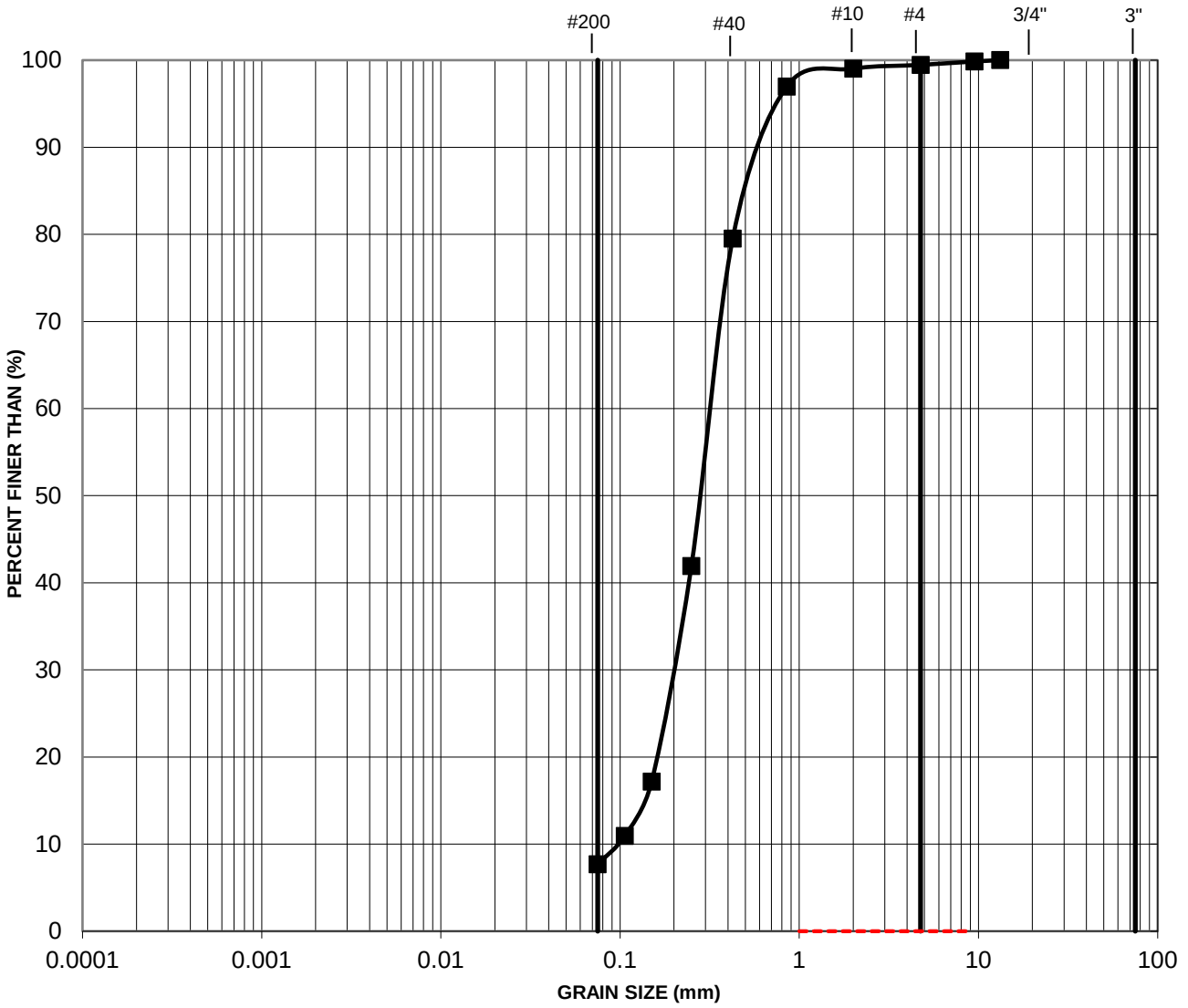
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH18	58394	32m - 32.3m

Project No./Phase/Task: 21473972-13000

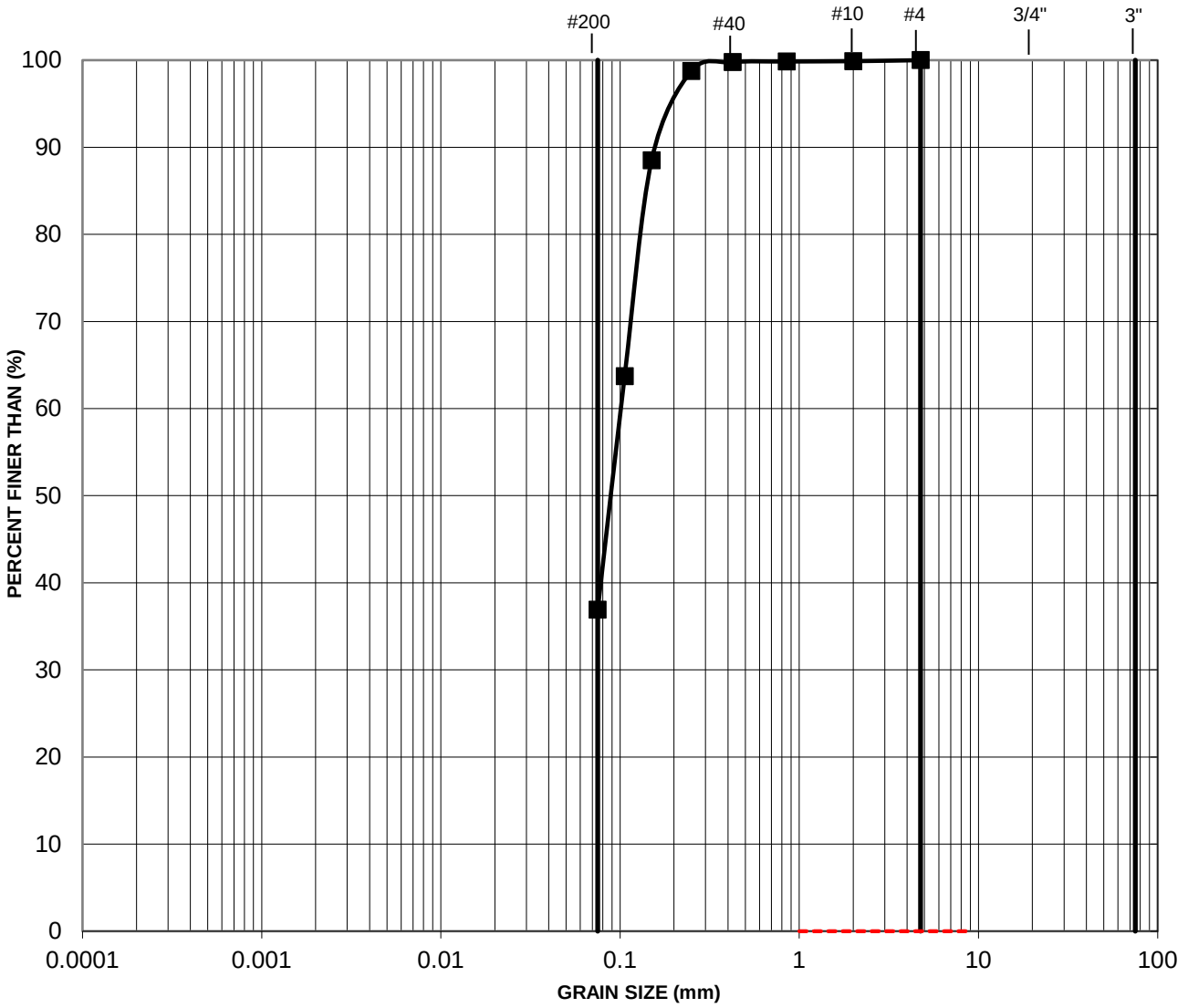
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH18	58397	42.4m - 43m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

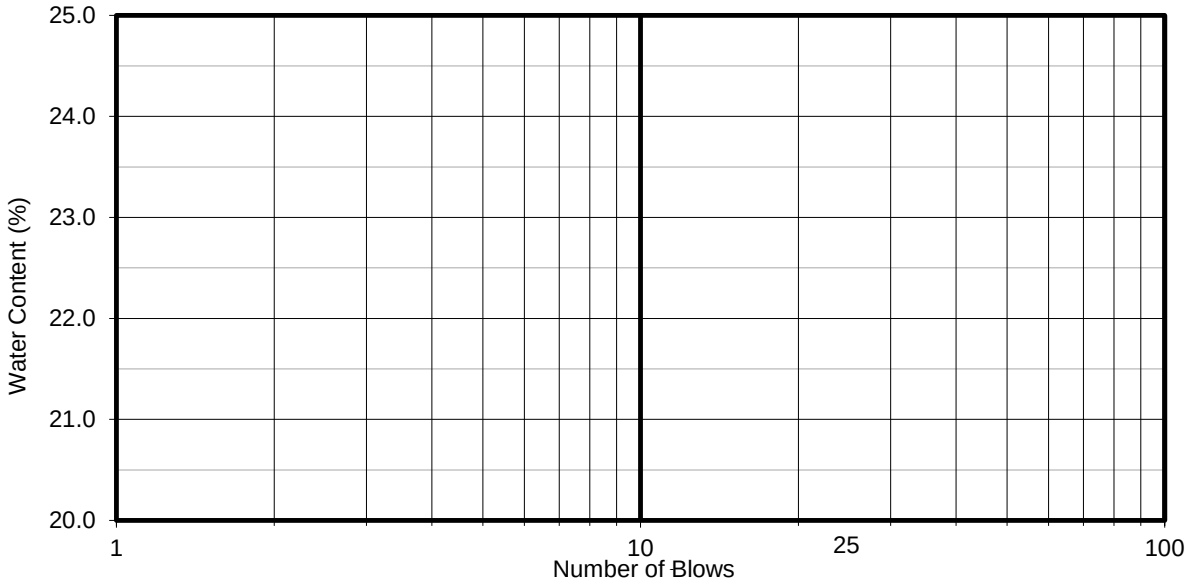
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**04-Apr-22**
Technician:	**HAB**
Lab Number:	**G207**
Borehole:	**21-TSF-BH18**
Sample Number:	**58397**
Depth of Sample:	**42.4m - 43m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						5544.30			
MASS DRY SOIL + TARE (g)						4710.00			
MASS OF WATER (g)						834.30			
MASS OF CONTAINER (g)						513.77			
MASS OF DRY SOIL (g)						4196.23			
WATER CONTENT W (%)						19.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

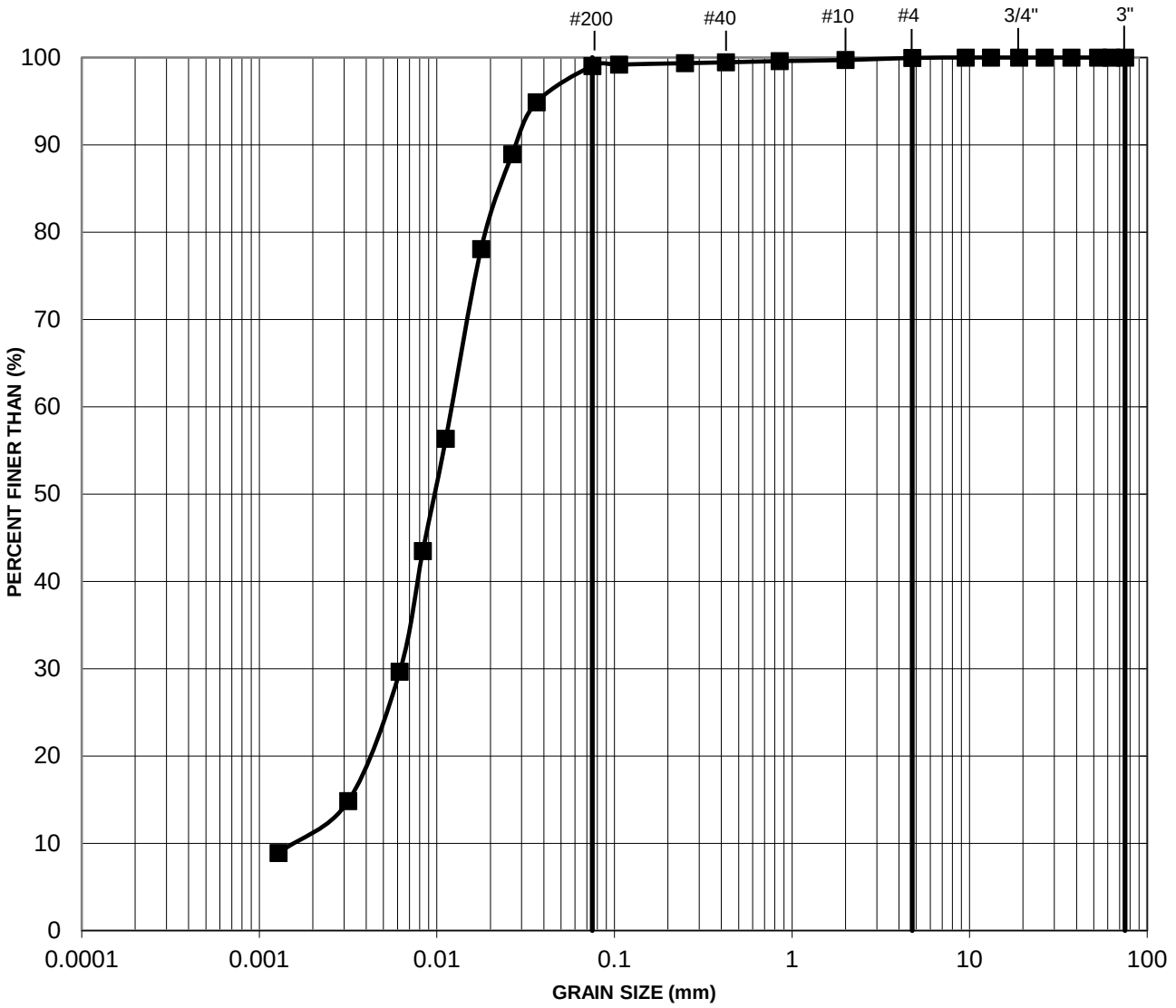


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF-BH18	58399	45.1m - 45.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

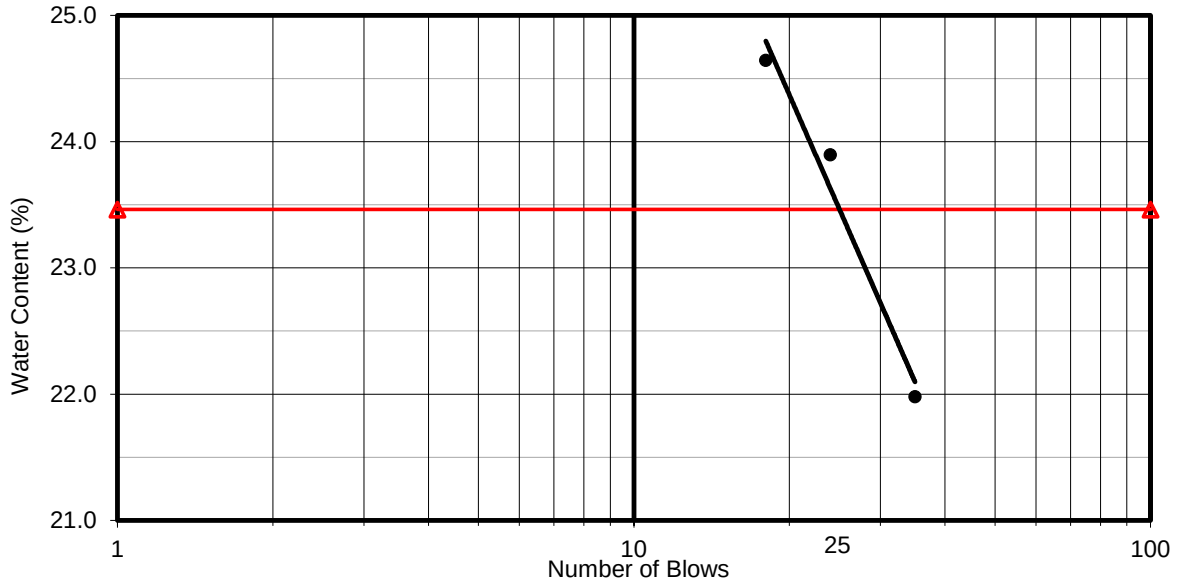
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**29-Mar-22**
Technician:	**HAB**
Lab Number:	**G208**
Borehole:	**21-TSF-BH18**
Sample Number:	**58399**
Depth of Sample:	**45.1m - 45.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2m	18	20m			X	70	77	
NUMBER OF BLOWS	24	35	18			X	X	X	X
MASS WET SOIL + TARE (g)	18.75	17.93	17.76			900.18	33.34	33.36	
MASS DRY SOIL + TARE (g)	16.53	16.00	15.68			814.01	31.37	31.30	
MASS OF WATER (g)	2.22	1.93	2.08			86.17	1.97	2.06	
MASS OF CONTAINER (g)	7.24	7.22	7.24			385.68	21.12	20.74	
MASS OF DRY SOIL (g)	9.29	8.78	8.44			428.33	10.25	10.56	
WATER CONTENT W (%)	23.9	22.0	24.6			20.1	19.2	19.5	

LIQUID LIMIT (%)	**23.5**
PLASTIC LIMIT (%)	**19.4**
PLASTICITY INDEX (%)	**4.1**
W NATURAL (%)	**20.1**
LIQUIDITY INDEX	**0.18**

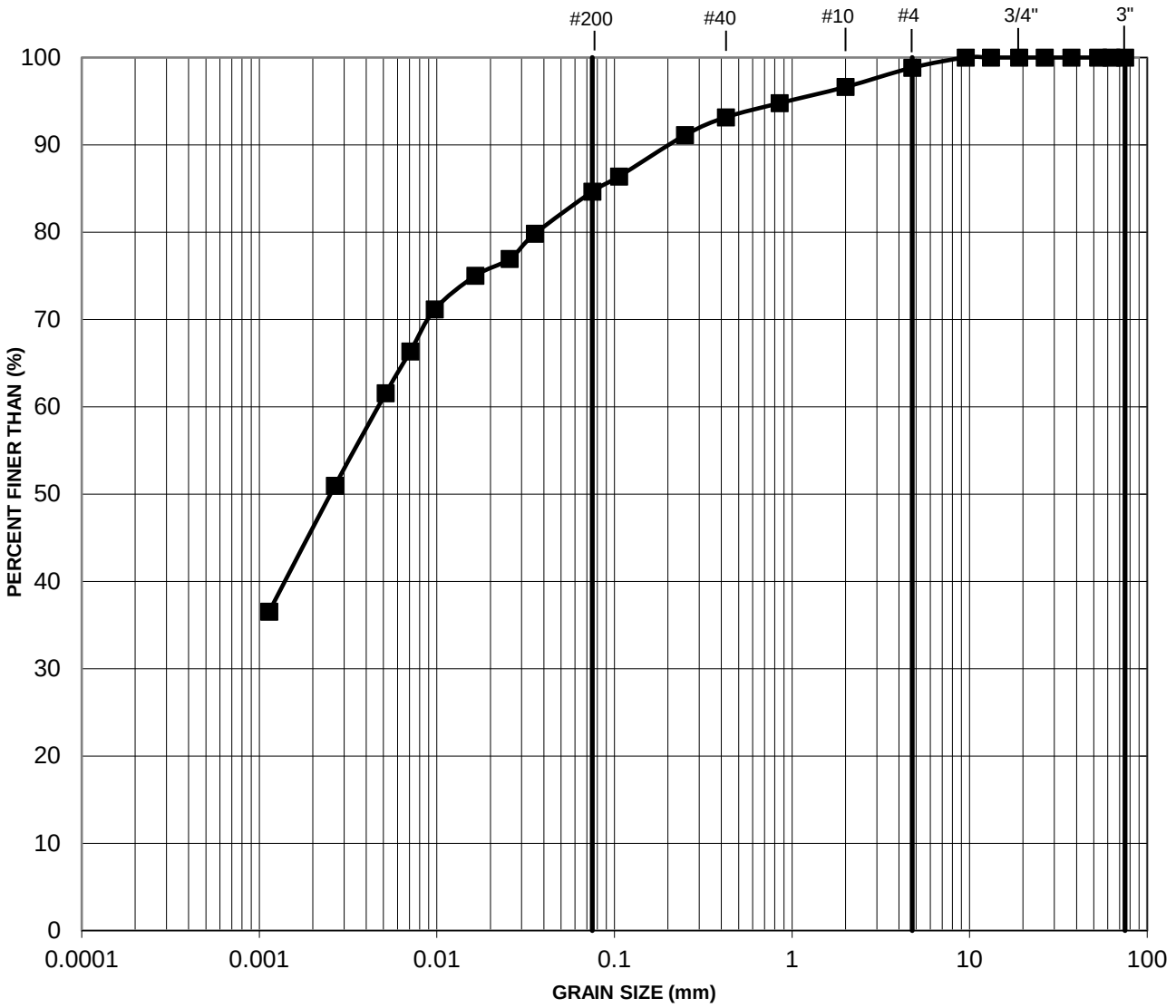


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH103	167526	4m - 4.3m

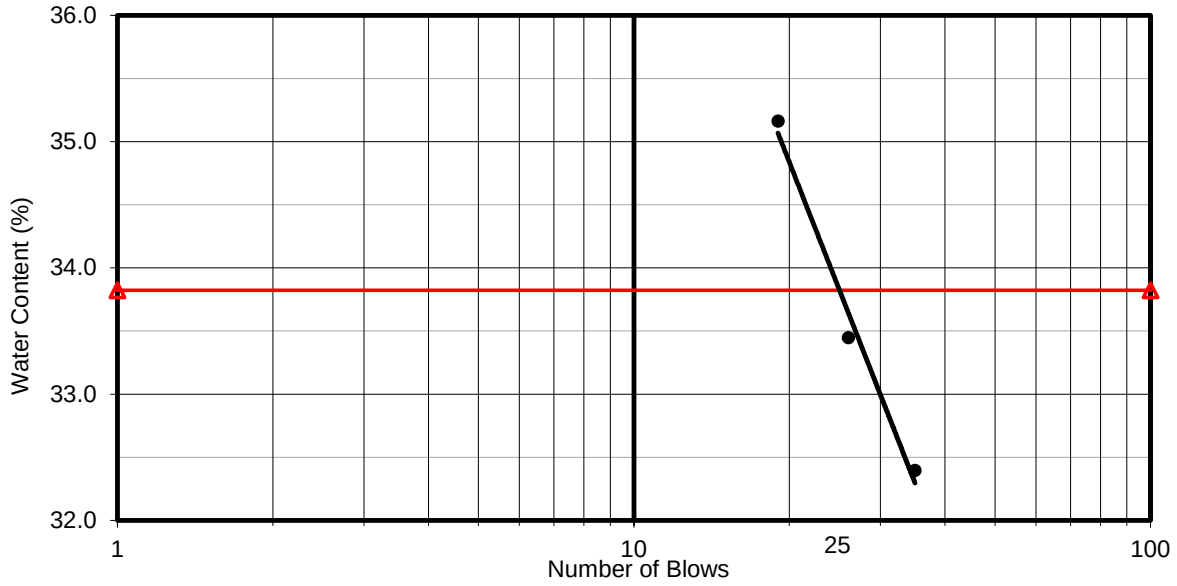
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**30-Mar-22**
Technician:	**HAB**
Lab Number:	**G209**
Borehole:	**21-TSF2-BH103**
Sample Number:	**167526**
Depth of Sample:	**4m - 4.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	K2	4m	7m			**X**	38	55	
NUMBER OF BLOWS	35	26	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.64	18.98	18.80			891.31	32.97	33.04	
MASS DRY SOIL + TARE (g)	15.87	16.05	15.79			788.65	31.33	31.31	
MASS OF WATER (g)	2.77	2.93	3.01			102.66	1.64	1.73	
MASS OF CONTAINER (g)	7.32	7.29	7.23			384.49	21.44	21.35	
MASS OF DRY SOIL (g)	8.55	8.76	8.56			404.16	9.89	9.96	
WATER CONTENT W (%)	32.4	33.4	35.2			25.4	16.6	17.4	

LIQUID LIMIT (%)	**33.8**
PLASTIC LIMIT (%)	**17.0**
PLASTICITY INDEX (%)	**16.8**
W NATURAL (%)	**25.4**
LIQUIDITY INDEX	**0.50**

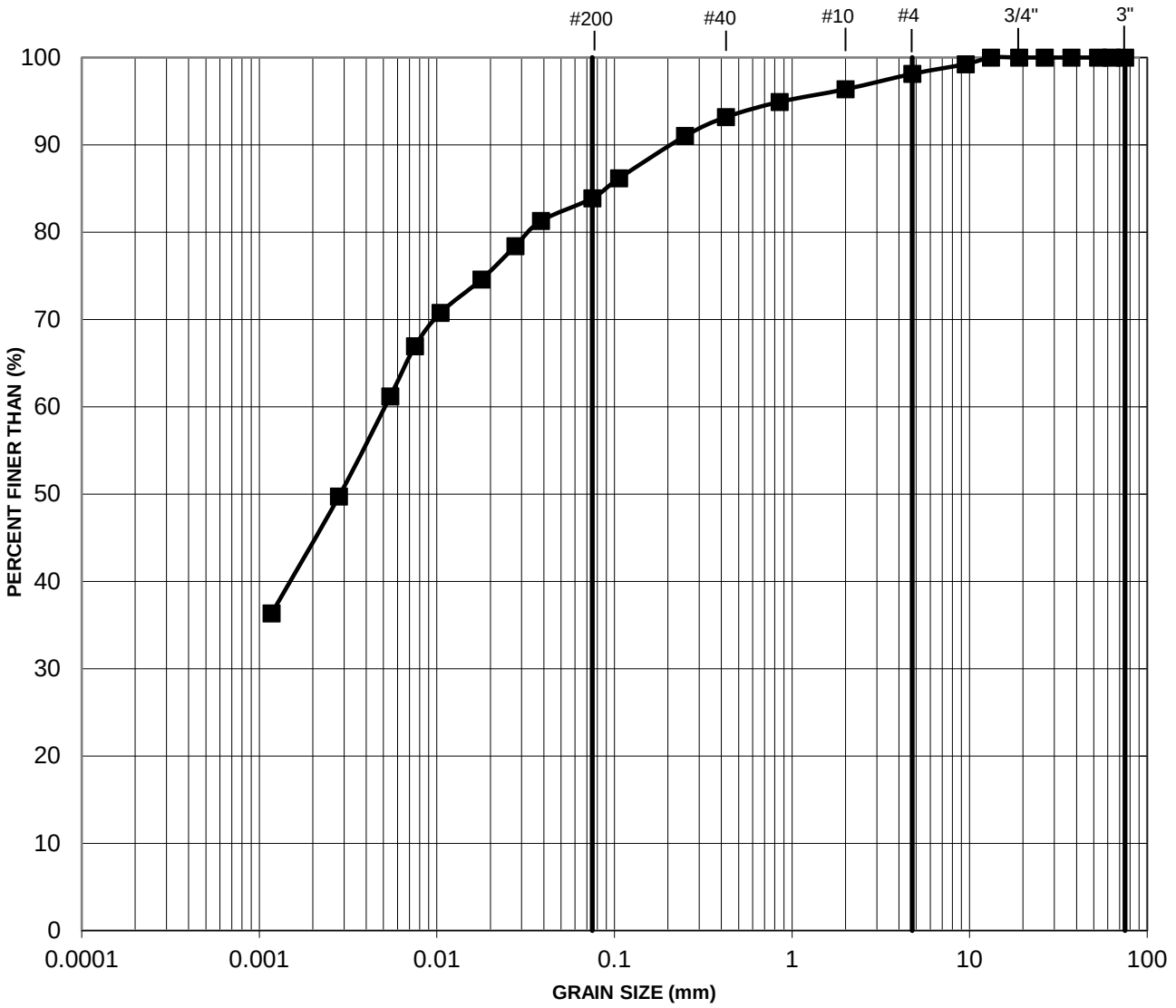


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH103	167529	7.3m - 7.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

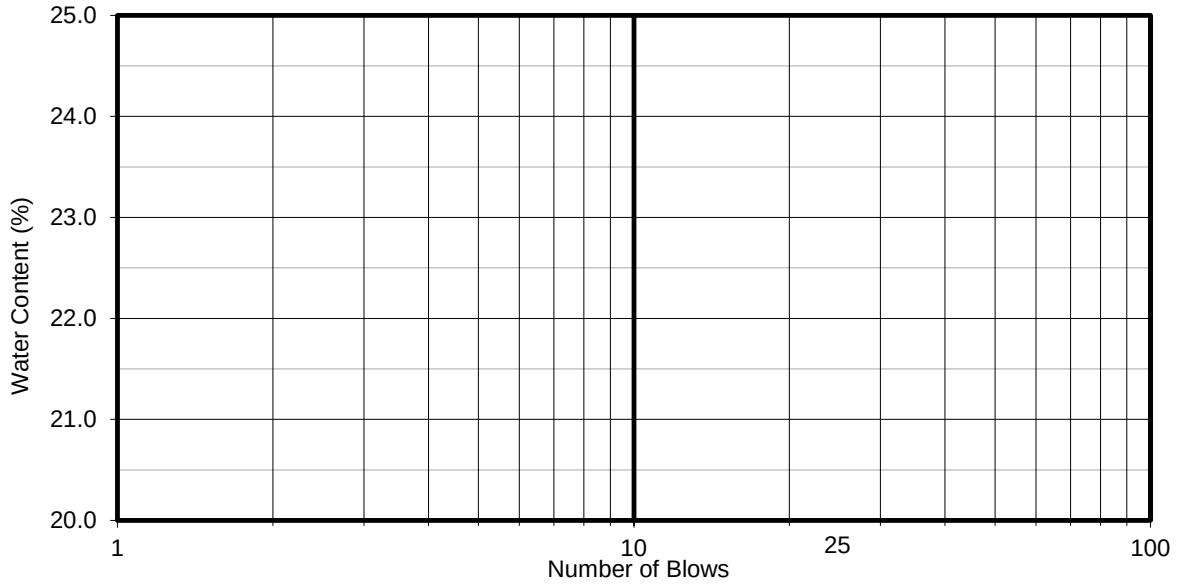
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**30-Mar-22**
Technician:	**HAB**
Lab Number:	**G210**
Borehole:	**21-TSF2-BH103**
Sample Number:	**167529**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	K1	K5	R9L			**X**	81	37	
NUMBER OF BLOWS	35	23	18			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.98	17.90	18.00			910.26	33.06	32.73	
MASS DRY SOIL + TARE (g)	15.41	15.30	15.33			801.33	31.44	31.16	
MASS OF WATER (g)	2.57	2.60	2.67			108.93	1.62	1.57	
MASS OF CONTAINER (g)	7.32	7.32	7.30			380.88	21.63	21.53	
MASS OF DRY SOIL (g)	8.09	7.98	8.03			420.45	9.81	9.63	
WATER CONTENT W (%)	31.8	32.6	33.3			25.9	16.5	16.3	

LIQUID LIMIT (%)	**32.5**
PLASTIC LIMIT (%)	**16.4**
PLASTICITY INDEX (%)	**16.1**
W NATURAL (%)	**25.9**
LIQUIDITY INDEX	**0.59**

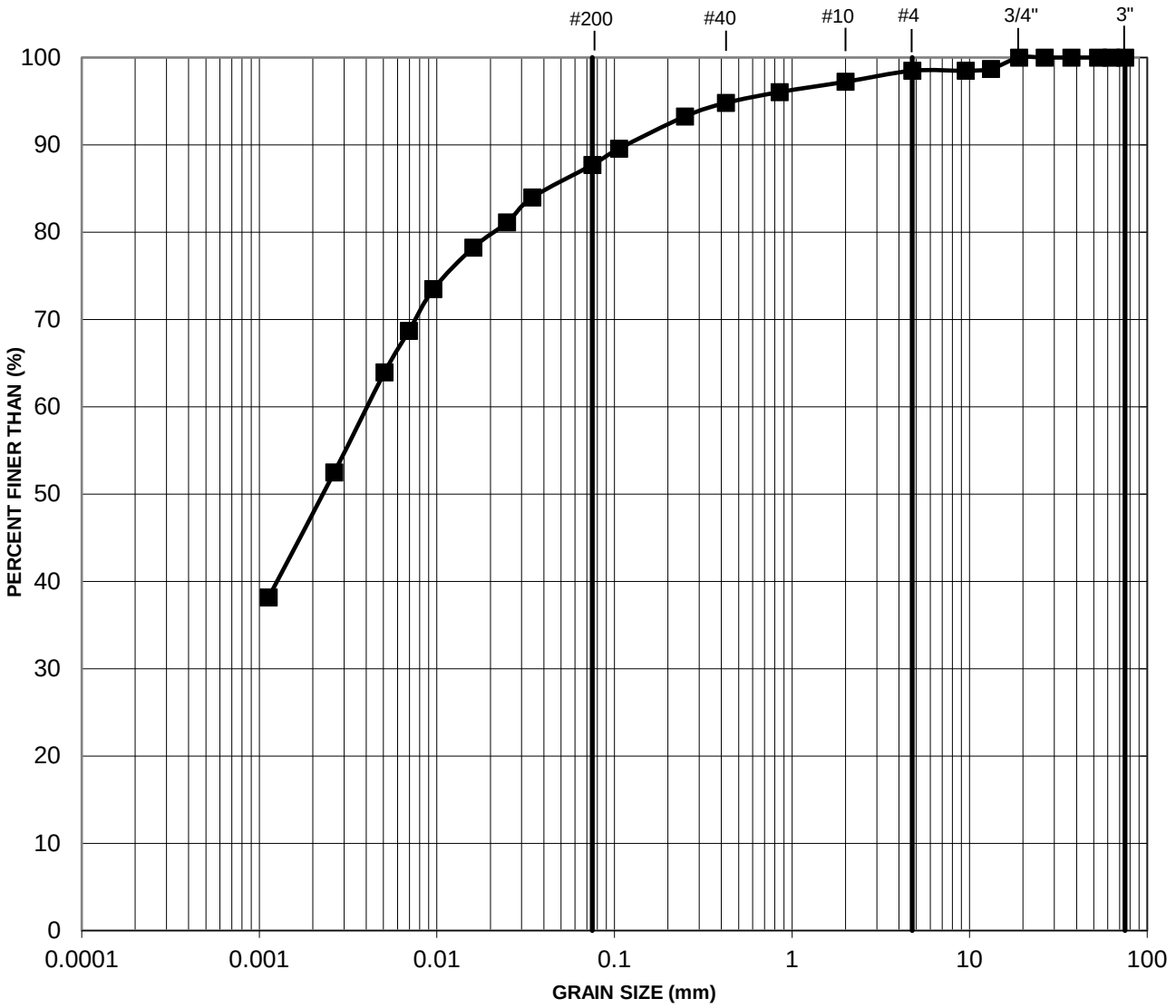


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH103	167532	10.1m - 10.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

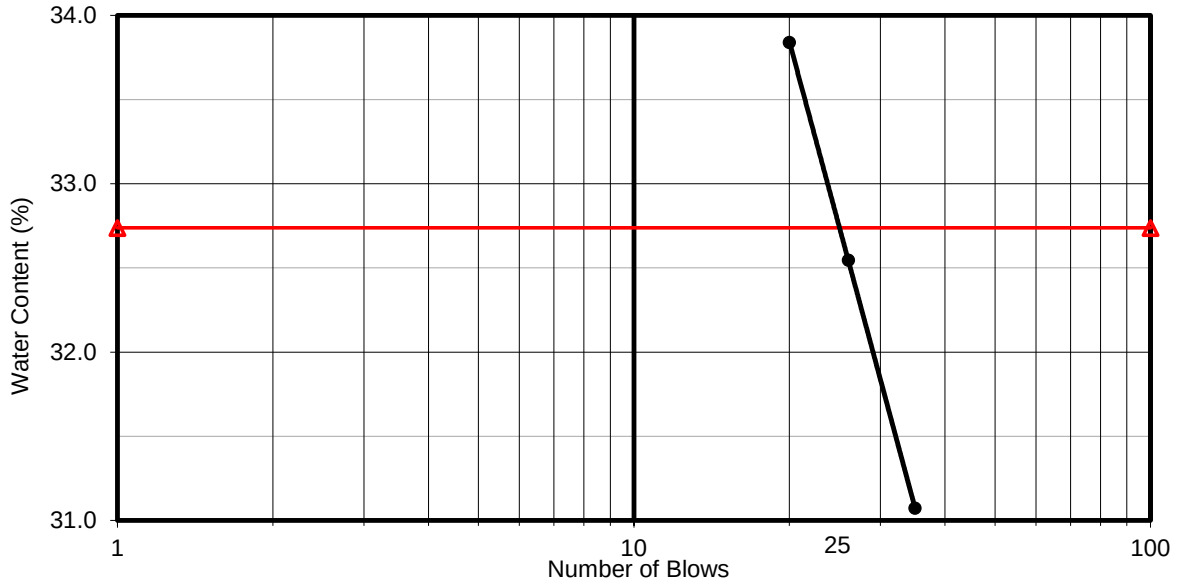
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**31-Mar-22**
Technician:	**HAB**
Lab Number:	**G211**
Borehole:	**21-TSF2-BH103**
Sample Number:	**167532**
Depth of Sample:	**10.1m - 10.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5m	R11L	R23L			X	19	65	
NUMBER OF BLOWS	35	26	20			X	X	X	X
MASS WET SOIL + TARE (g)	17.42	17.42	17.79			755.73	32.30	33.09	
MASS DRY SOIL + TARE (g)	14.99	14.94	15.12			645.98	30.61	31.36	
MASS OF WATER (g)	2.43	2.48	2.67			109.75	1.69	1.73	
MASS OF CONTAINER (g)	7.17	7.32	7.23			239.21	20.93	21.50	
MASS OF DRY SOIL (g)	7.82	7.62	7.89			406.77	9.68	9.86	
WATER CONTENT W (%)	31.1	32.5	33.8			27.0	17.5	17.5	

LIQUID LIMIT (%)	**32.7**
PLASTIC LIMIT (%)	**17.5**
PLASTICITY INDEX (%)	**15.2**
W NATURAL (%)	**27.0**
LIQUIDITY INDEX	**0.62**



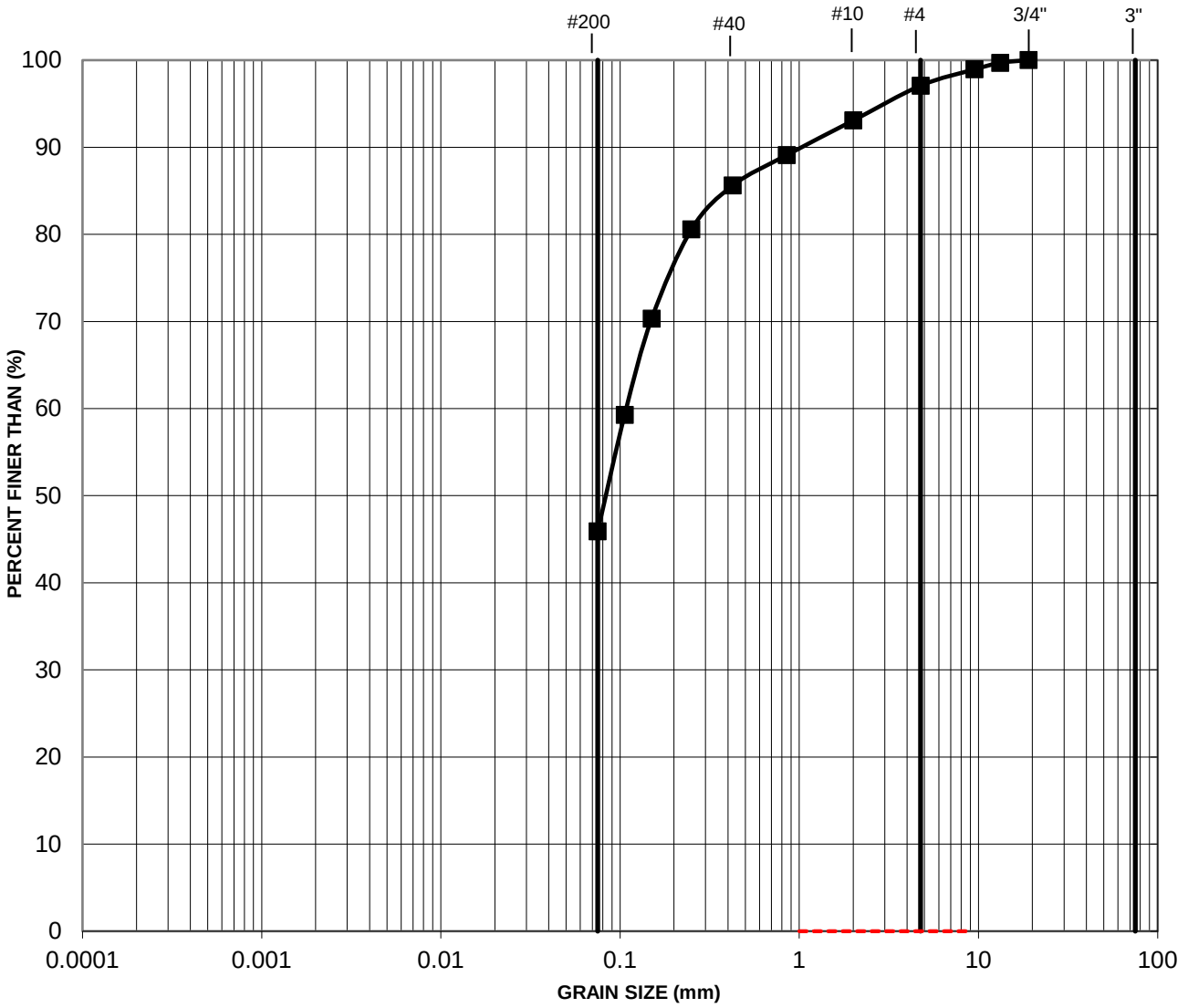
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH103	167538	19.8m - 20.1m

Project No./Phase/Task: 21473972-13000

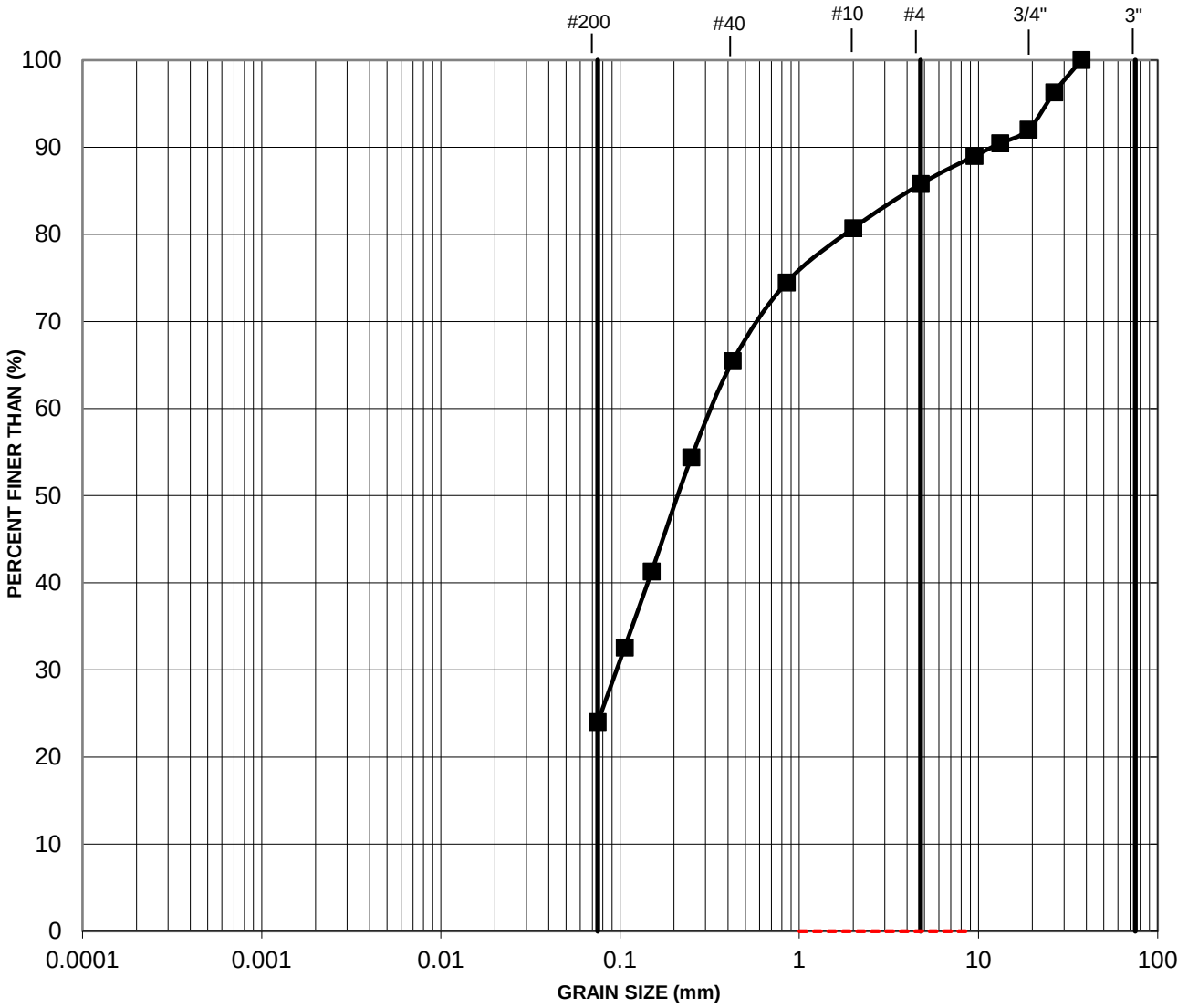
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH103	167544	26.2m - 26.5m

Project No./Phase/Task: 21473972-13000

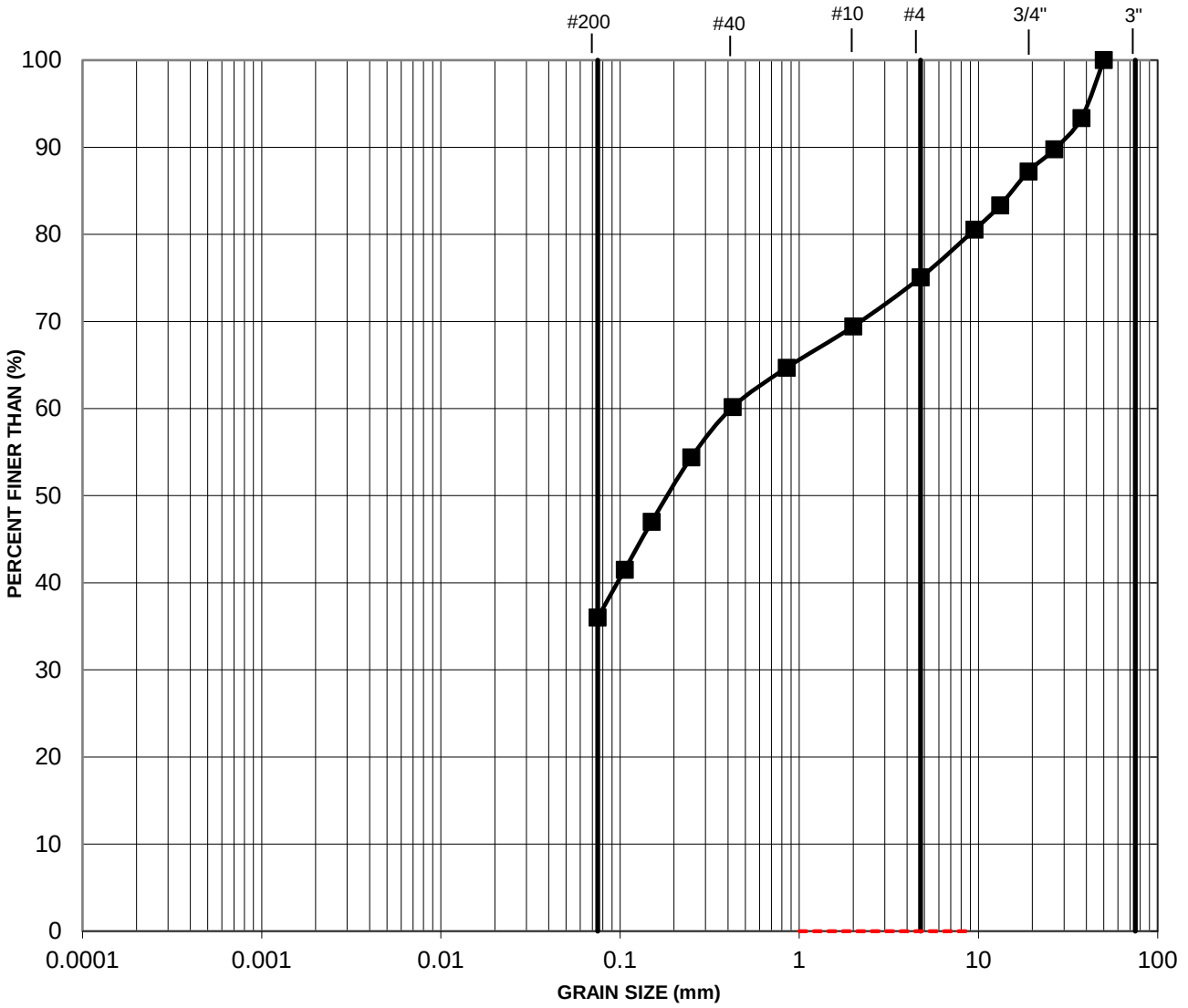
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH103	167548	33.5m - 33.8m

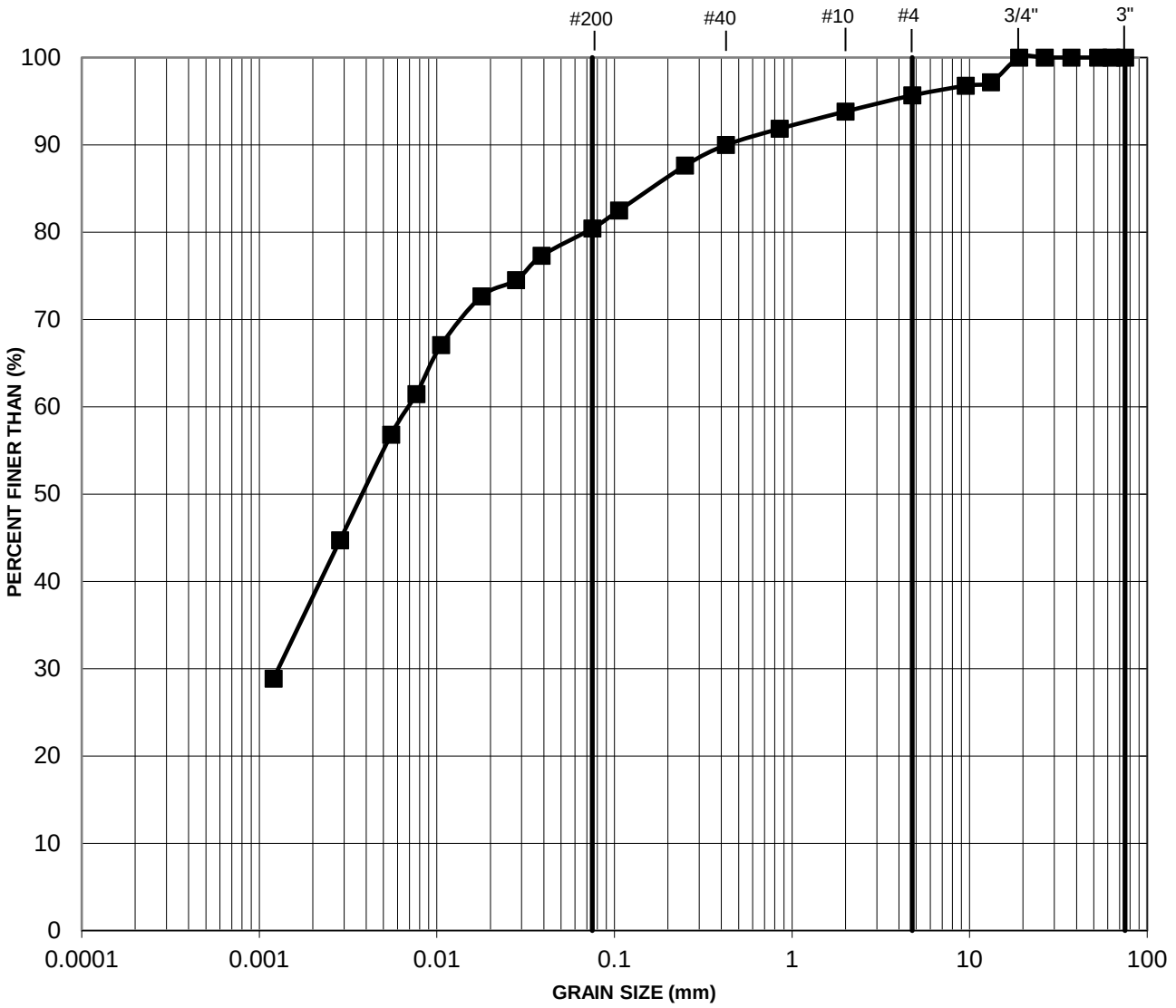
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH102	167755	4.6m - 5.2m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

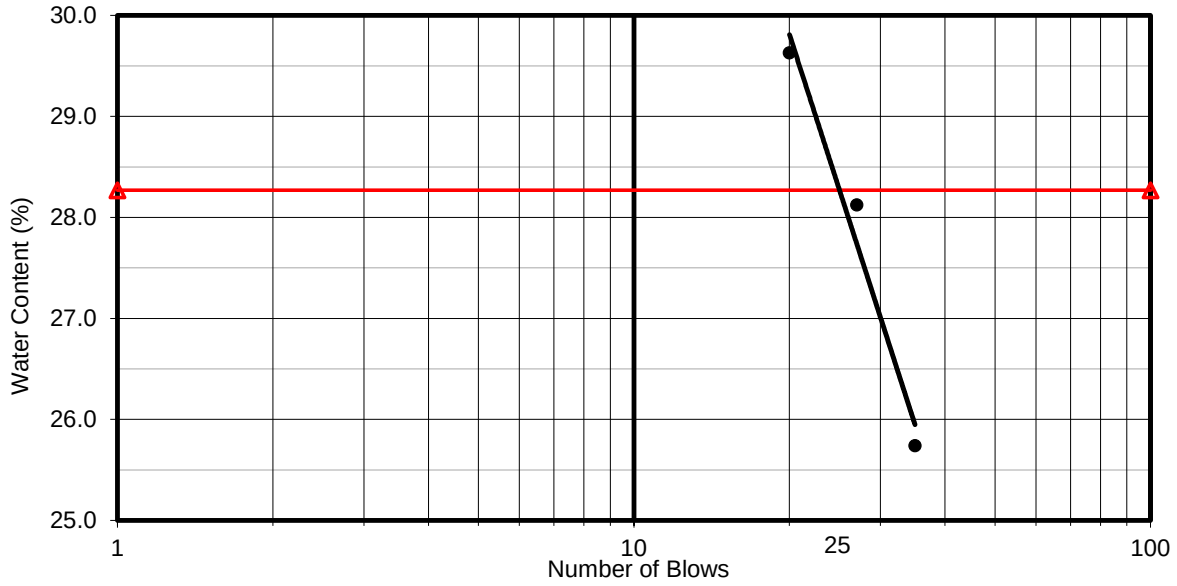
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**01-Apr-22**
Technician:	**HAB**
Lab Number:	**G215**
Borehole:	**21-TSF2-BH102**
Sample Number:	**167755**
Depth of Sample:	**4.6m - 5.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7	9	69			X	31	34	
NUMBER OF BLOWS	20	27	35			X	X	X	X
MASS WET SOIL + TARE (g)	17.60	18.18	18.26			755.33	33.24	32.90	
MASS DRY SOIL + TARE (g)	15.20	15.75	16.00			668.11	31.65	31.35	
MASS OF WATER (g)	2.40	2.43	2.26			87.22	1.59	1.55	
MASS OF CONTAINER (g)	7.10	7.11	7.22			238.88	21.22	20.93	
MASS OF DRY SOIL (g)	8.10	8.64	8.78			429.23	10.43	10.42	
WATER CONTENT W (%)	29.6	28.1	25.7			20.3	15.2	14.9	

LIQUID LIMIT (%)	**28.3**
PLASTIC LIMIT (%)	**15.1**
PLASTICITY INDEX (%)	**13.2**
W NATURAL (%)	**20.3**
LIQUIDITY INDEX	**0.40**

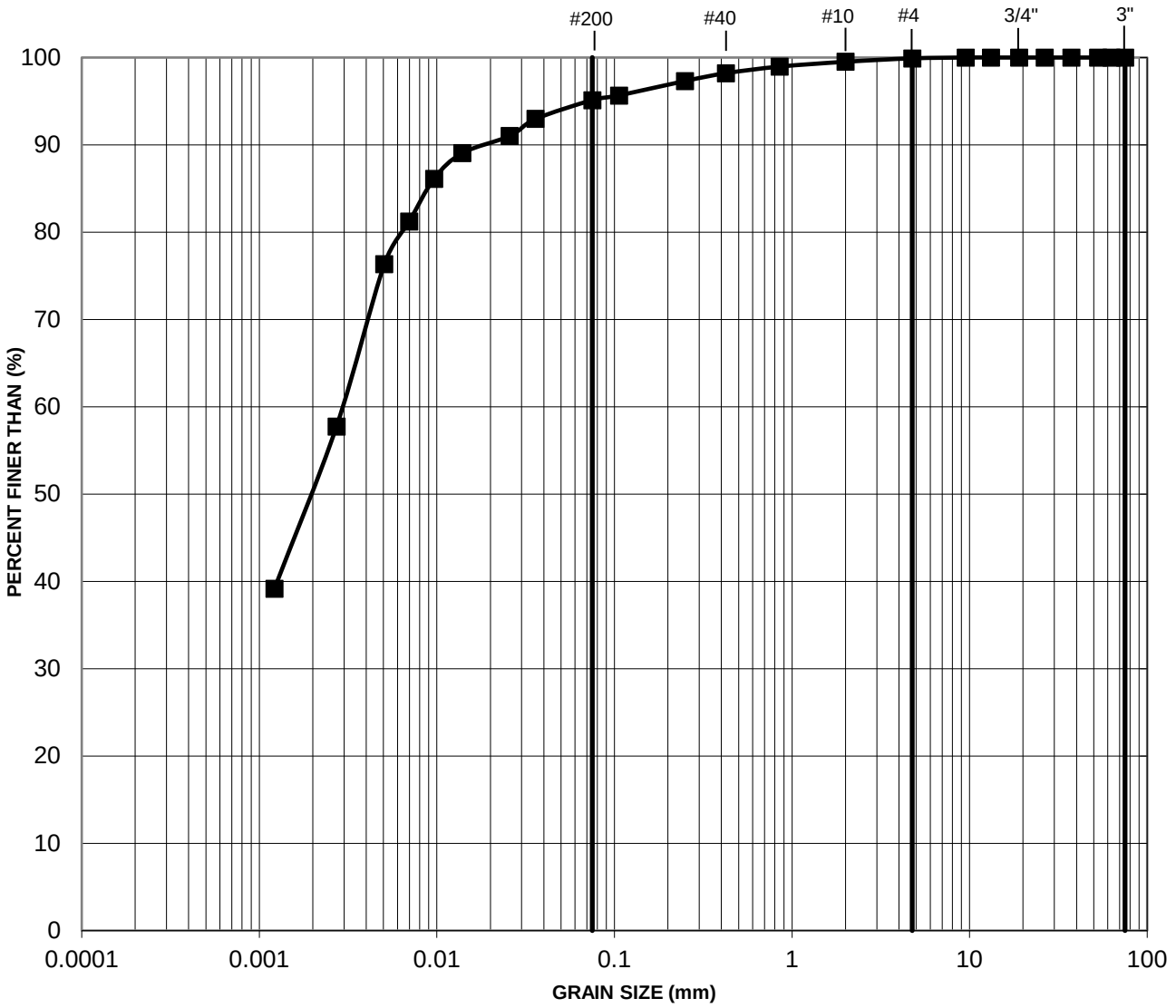


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH102	167758	7.3m - 7.6m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

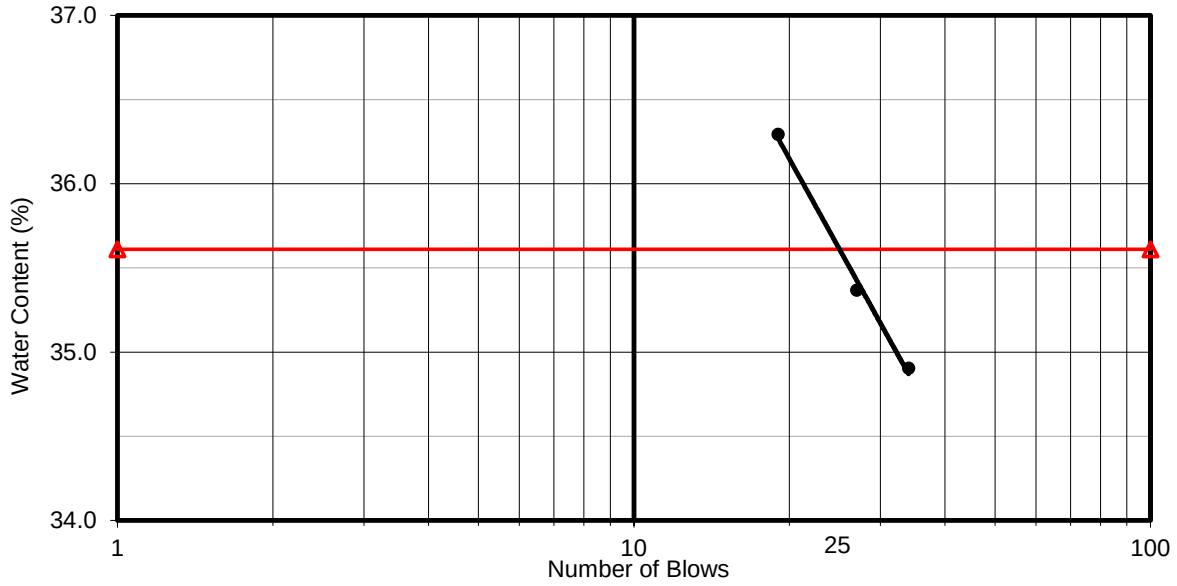
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**30-Mar-22**
Technician:	**HAB**
Lab Number:	**G216**
Borehole:	**21-TSF2-BH102**
Sample Number:	**167758**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1	4	R13L			X	13	91	
NUMBER OF BLOWS	34	27	19			X	X	X	X
MASS WET SOIL + TARE (g)	17.77	17.87	17.86			794.40	33.11	33.70	
MASS DRY SOIL + TARE (g)	15.03	15.09	15.04			669.35	31.21	31.72	
MASS OF WATER (g)	2.74	2.78	2.82			125.05	1.90	1.98	
MASS OF CONTAINER (g)	7.18	7.23	7.27			238.94	21.25	21.58	
MASS OF DRY SOIL (g)	7.85	7.86	7.77			430.41	9.96	10.14	
WATER CONTENT W (%)	34.9	35.4	36.3			29.1	19.1	19.5	

LIQUID LIMIT (%)	**35.6**
PLASTIC LIMIT (%)	**19.3**
PLASTICITY INDEX (%)	**16.3**
W NATURAL (%)	**29.1**
LIQUIDITY INDEX	**0.60**

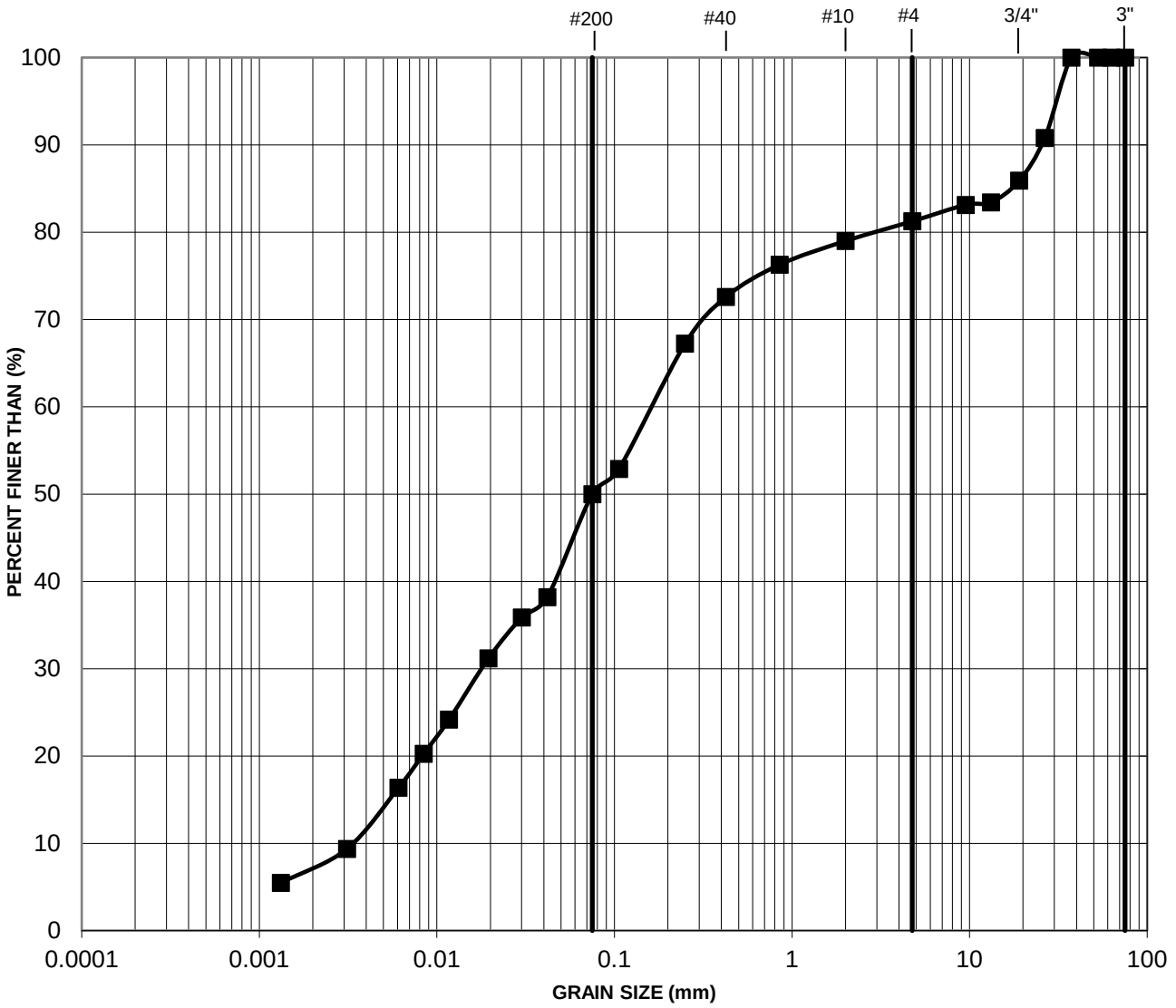


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH102	167764	17.4m - 17.7m

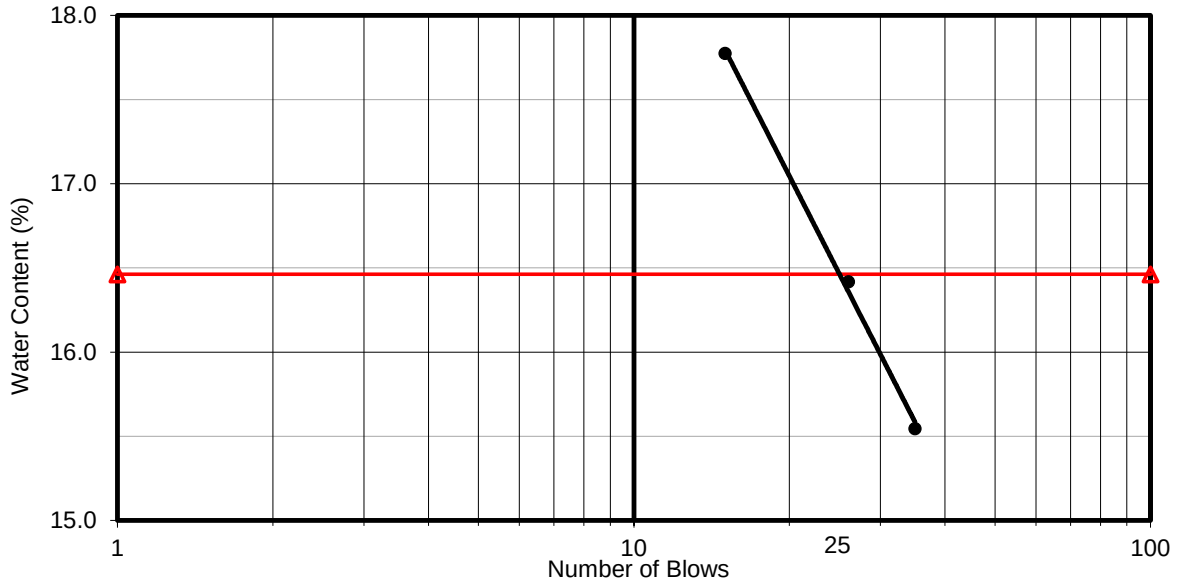
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**31-Mar-22**
Technician:	**HAB**
Lab Number:	**G217**
Borehole:	**21-TSF2-BH102**
Sample Number:	**167764**
Depth of Sample:	**17.4m - 17.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5	8	R21			**X**	23	73	
NUMBER OF BLOWS	15	35	26			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.03	18.75	18.17			807.40	33.75	33.86	
MASS DRY SOIL + TARE (g)	16.40	17.20	16.63			750.27	32.24	32.36	
MASS OF WATER (g)	1.63	1.55	1.54			57.13	1.51	1.50	
MASS OF CONTAINER (g)	7.23	7.23	7.25			241.57	20.88	21.04	
MASS OF DRY SOIL (g)	9.17	9.97	9.38			508.70	11.36	11.32	
WATER CONTENT W (%)	17.8	15.5	16.4			11.2	13.3	13.3	

LIQUID LIMIT (%)	**16.5**
PLASTIC LIMIT (%)	**13.3**
PLASTICITY INDEX (%)	**3.2**
W NATURAL (%)	**11.2**
LIQUIDITY INDEX	**-0.64**

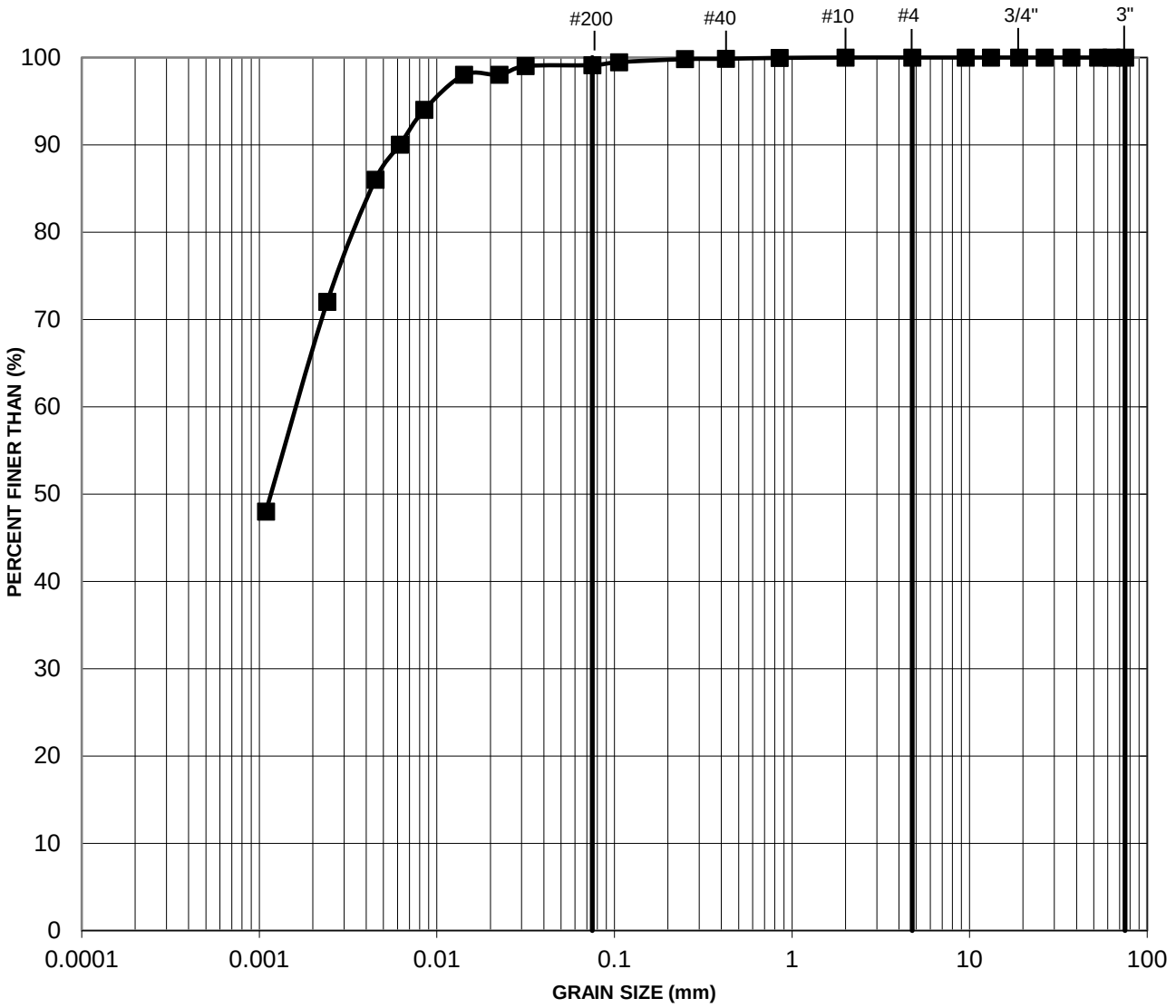


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
21-TSF2-BH102	167770	25.6m - 25.9m

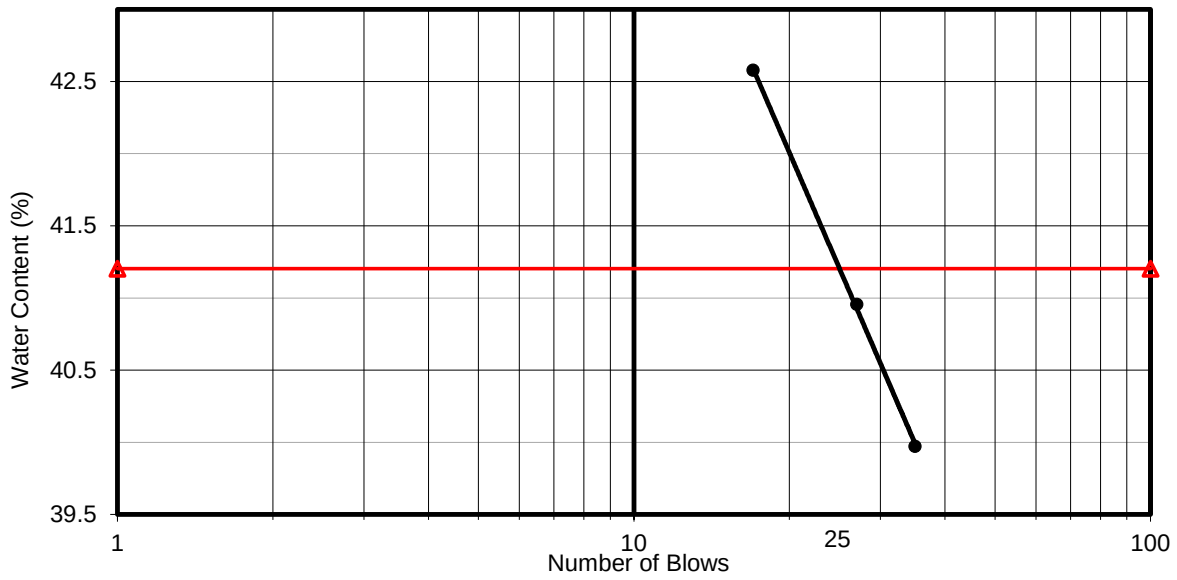
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**04-Apr-22**
Technician:	**HAB**
Lab Number:	**G218**
Borehole:	**21-TSF2-BH102**
Sample Number:	**167770**
Depth of Sample:	**25.6m - 25.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	3m	10m	O1			**X**	29	87	
NUMBER OF BLOWS	35	27	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.61	17.87	17.36			920.00	32.89	32.77	
MASS DRY SOIL + TARE (g)	14.68	14.79	14.29			770.45	30.32	30.12	
MASS OF WATER (g)	2.93	3.08	3.07			149.55	2.57	2.65	
MASS OF CONTAINER (g)	7.35	7.27	7.08			239.01	21.18	20.88	
MASS OF DRY SOIL (g)	7.33	7.52	7.21			531.44	9.14	9.24	
WATER CONTENT W (%)	40.0	41.0	42.6			28.1	28.1	28.7	

LIQUID LIMIT (%)	**41.2**
PLASTIC LIMIT (%)	**28.4**
PLASTICITY INDEX (%)	**12.8**
W NATURAL (%)	**28.1**
LIQUIDITY INDEX	**-0.02**



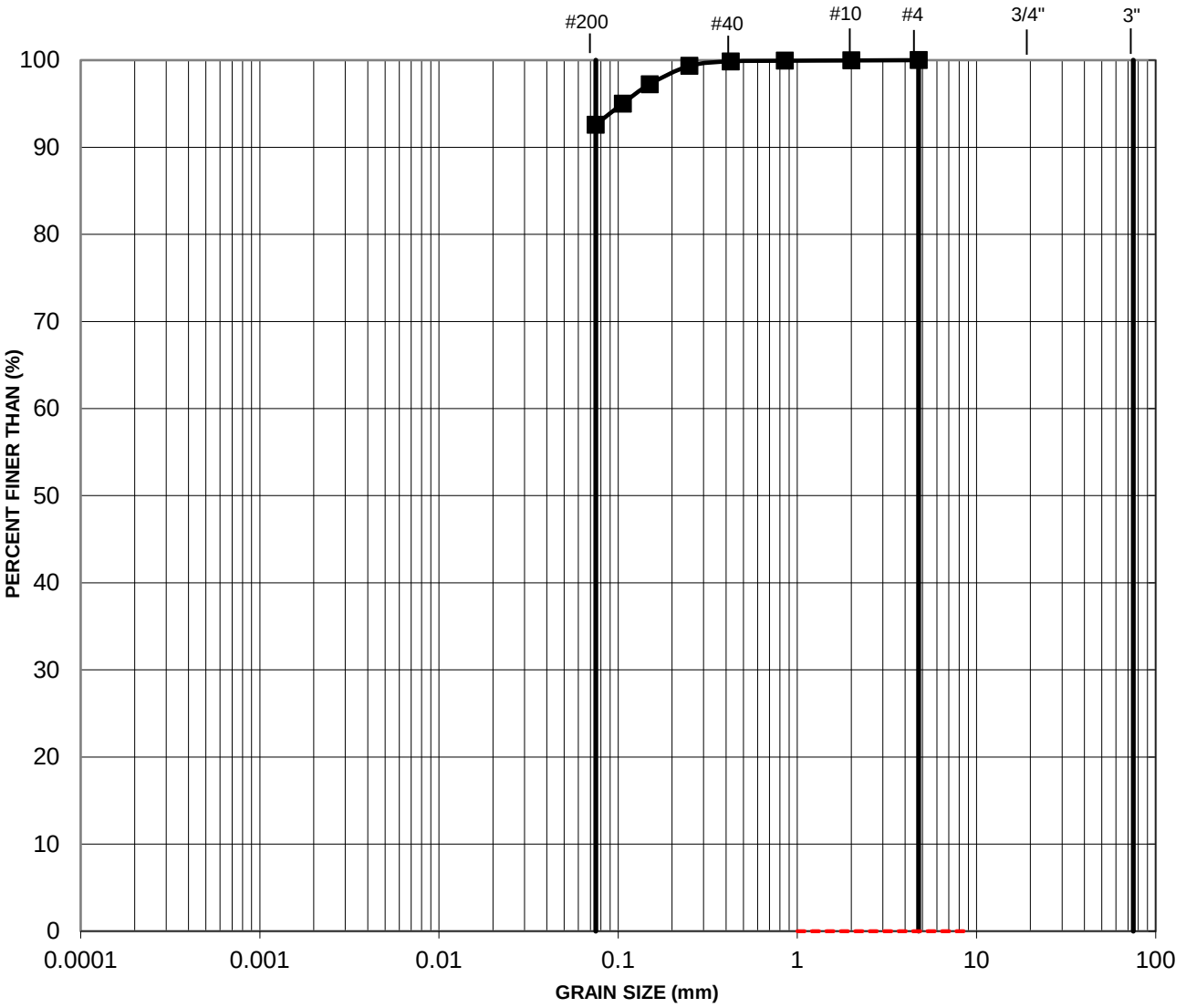
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
21-TSF2-BH102	167775	34.4m - 34.7m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

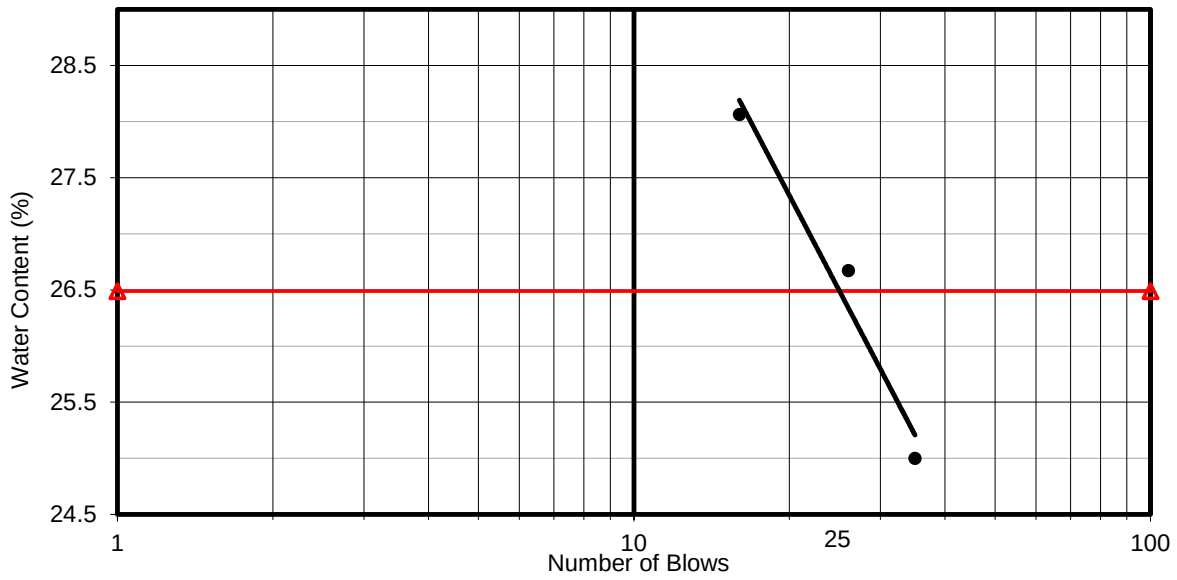
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**04-Apr-22**
Technician:	**HAB**
Lab Number:	**G219**
Borehole:	**21-TSF2-BH102**
Sample Number:	**167775**
Depth of Sample:	**34.4m - 34.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	3L	R6			**X**	R10	R22	
NUMBER OF BLOWS	16	26	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.39	17.87	18.85			3515.20	25.80	26.50	
MASS DRY SOIL + TARE (g)	15.94	15.64	16.53			2960.30	23.89	24.63	
MASS OF WATER (g)	2.45	2.23	2.32			554.90	1.91	1.87	
MASS OF CONTAINER (g)	7.21	7.28	7.25			523.56	13.94	14.40	
MASS OF DRY SOIL (g)	8.73	8.36	9.28			2436.74	9.95	10.23	
WATER CONTENT W (%)	28.1	26.7	25.0			22.8	19.2	18.3	

LIQUID LIMIT (%)	**26.5**
PLASTIC LIMIT (%)	**18.7**
PLASTICITY INDEX (%)	**7.8**
W NATURAL (%)	**22.8**
LIQUIDITY INDEX	**0.52**

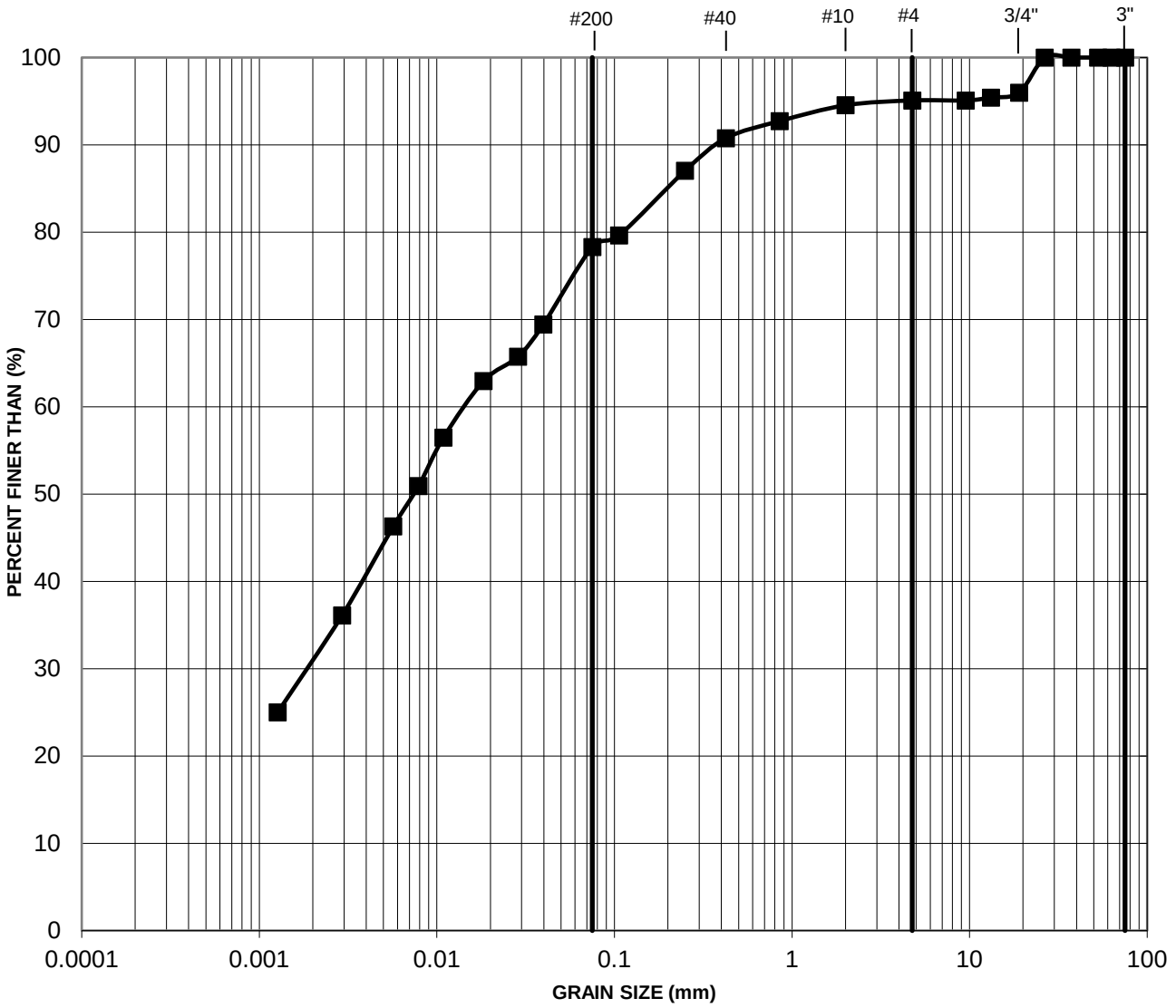


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
22-TSF-BH01	167657	7m - 7.3m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

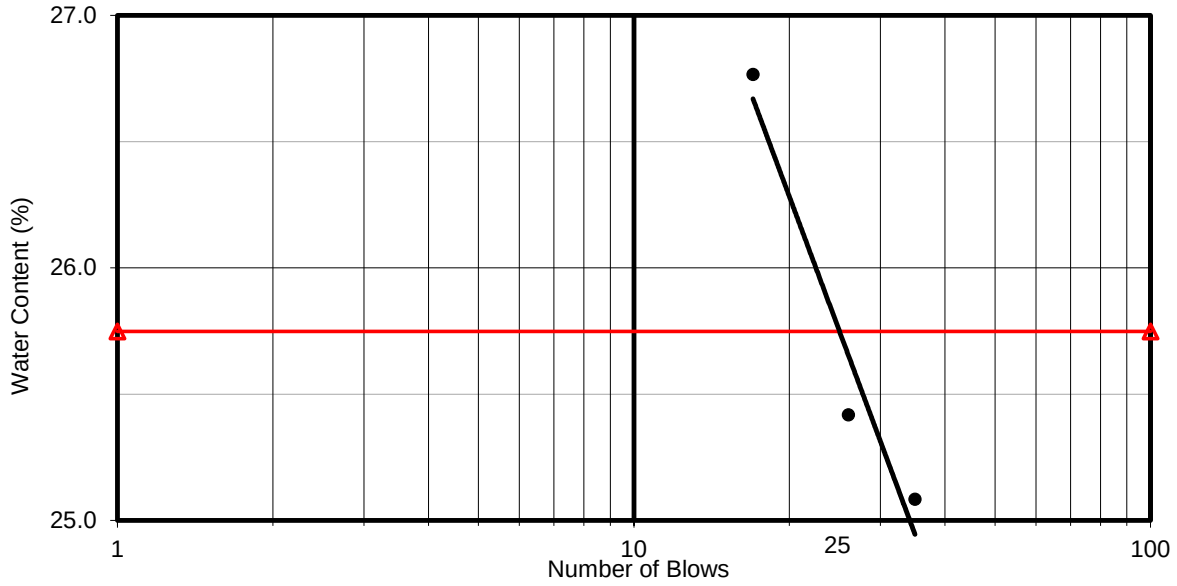
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**31-Mar-22**
Technician:	**HAB**
Lab Number:	**G222**
Borehole:	**22-TSF-BH01**
Sample Number:	**167657**
Depth of Sample:	**7m - 7.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	R4	6	R7			X	33	79	
NUMBER OF BLOWS	26	35	17			X	X	X	X
MASS WET SOIL + TARE (g)	18.51	18.41	18.15			746.63	32.98	33.10	
MASS DRY SOIL + TARE (g)	16.23	16.17	15.84			659.59	31.41	31.55	
MASS OF WATER (g)	2.28	2.24	2.31			87.04	1.57	1.55	
MASS OF CONTAINER (g)	7.26	7.24	7.21			239.66	21.16	21.48	
MASS OF DRY SOIL (g)	8.97	8.93	8.63			419.93	10.25	10.07	
WATER CONTENT W (%)	25.4	25.1	26.8			20.7	15.3	15.4	

LIQUID LIMIT (%)	**25.7**
PLASTIC LIMIT (%)	**15.4**
PLASTICITY INDEX (%)	**10.4**
W NATURAL (%)	**20.7**
LIQUIDITY INDEX	**0.52**



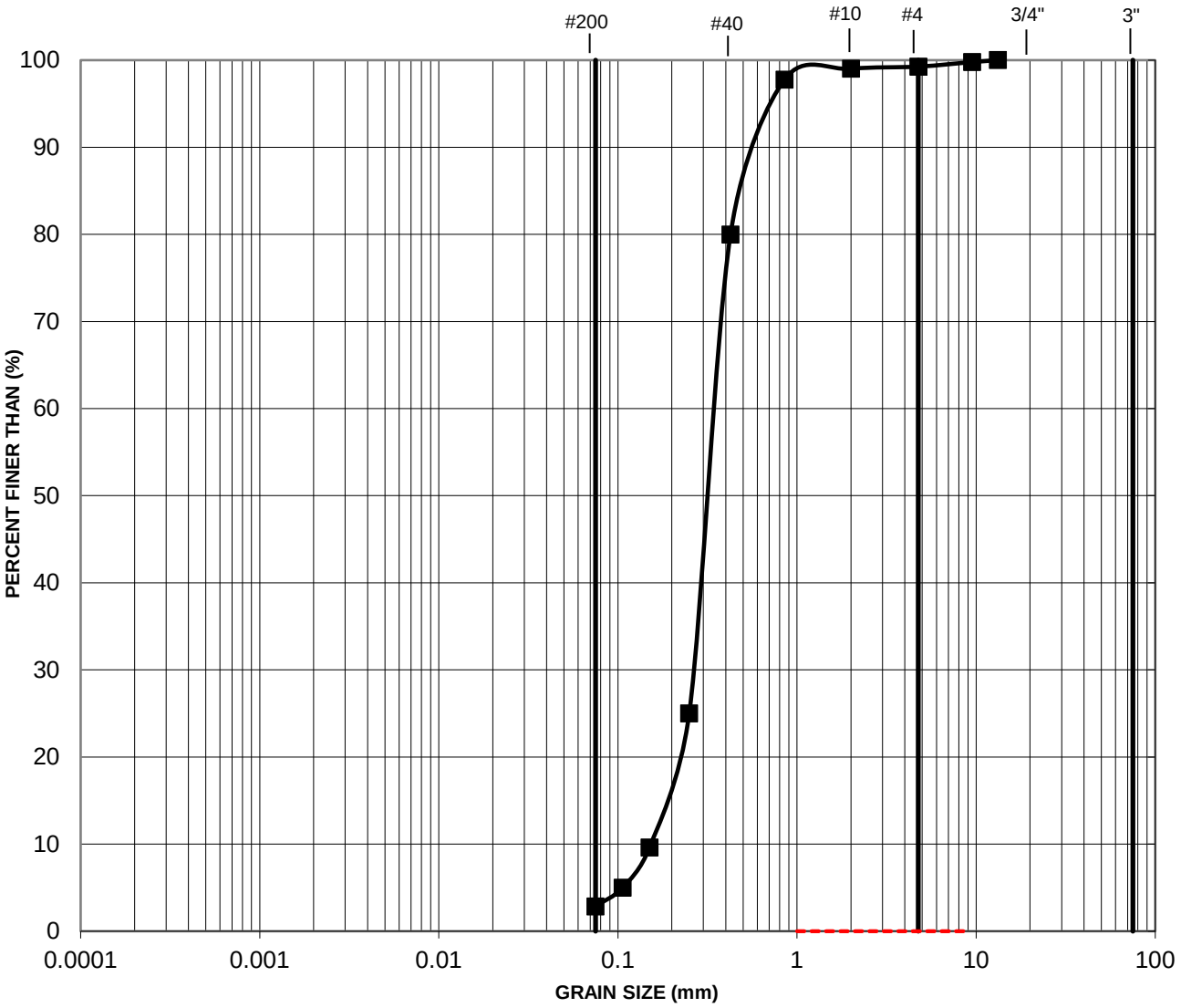
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
22-TSF-BH01	167664	20.3m - 20.6m

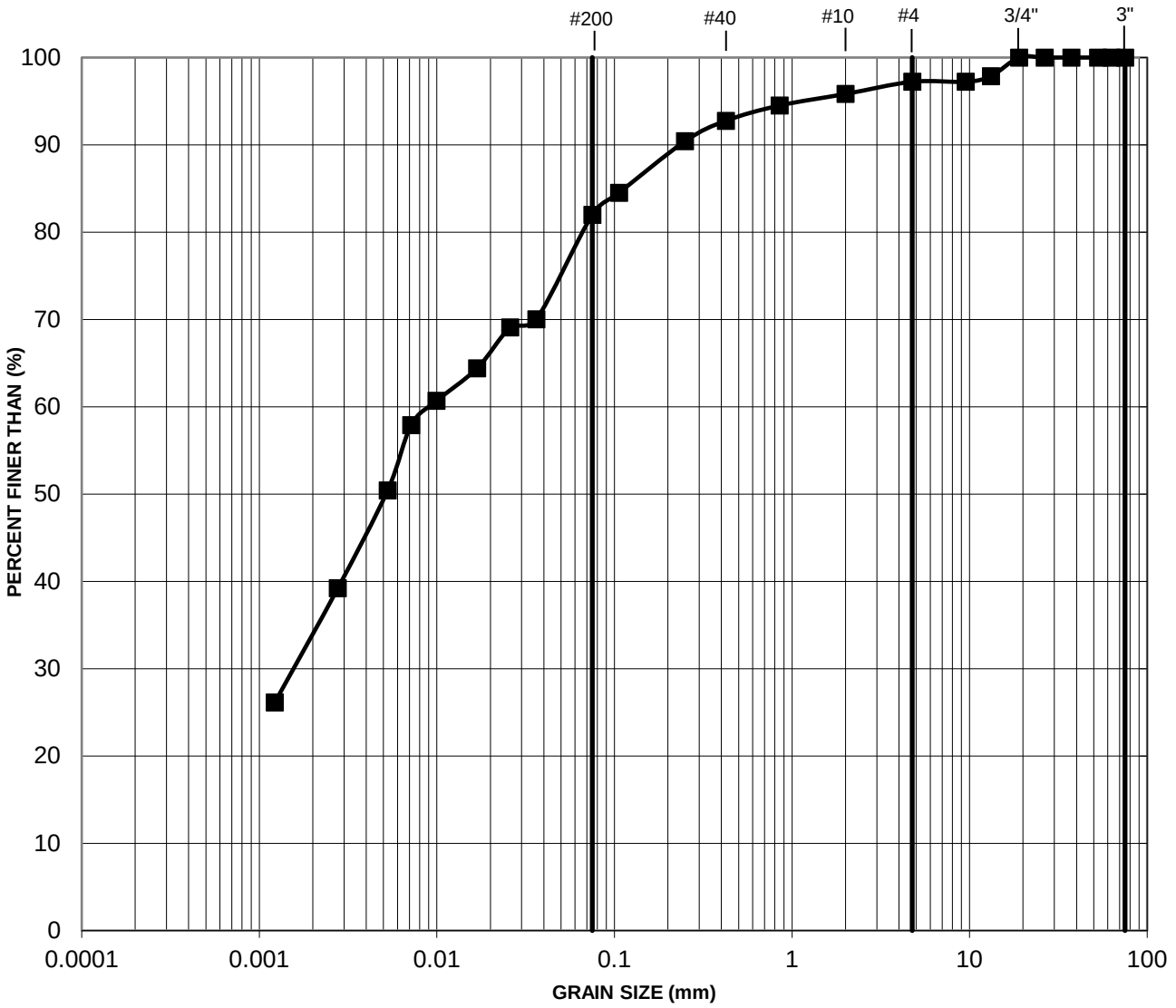
Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
22-TSF-BH01A	167670	6.1m - 6.4m

Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

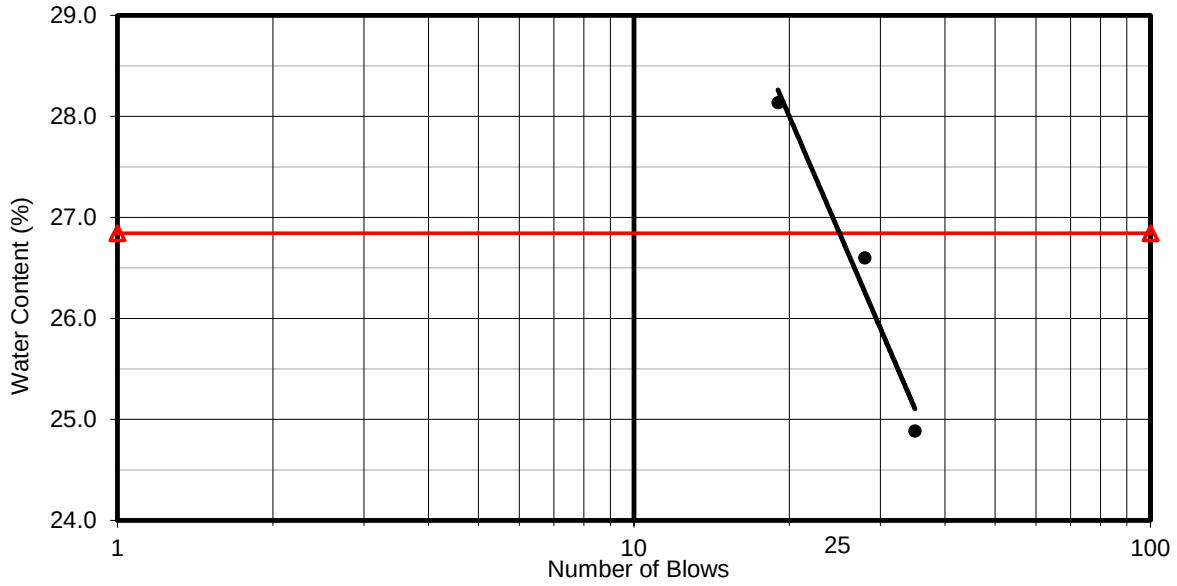
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**01-Apr-22**
Technician:	**HAB**
Lab Number:	**G224**
Borehole:	**22-TSF-BH01A**
Sample Number:	**167670**
Depth of Sample:	**6.1m - 6.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2	8m	9m			**X**	14	72	
NUMBER OF BLOWS	35	19	28			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.23	17.77	18.92			789.49	32.45	32.32	
MASS DRY SOIL + TARE (g)	16.05	15.46	16.47			694.37	30.89	30.76	
MASS OF WATER (g)	2.18	2.31	2.45			95.12	1.56	1.56	
MASS OF CONTAINER (g)	7.29	7.25	7.26			238.53	20.95	20.86	
MASS OF DRY SOIL (g)	8.76	8.21	9.21			455.84	9.94	9.90	
WATER CONTENT W (%)	24.9	28.1	26.6			20.9	15.7	15.8	

LIQUID LIMIT (%)	**26.8**
PLASTIC LIMIT (%)	**15.7**
PLASTICITY INDEX (%)	**11.1**
W NATURAL (%)	**20.9**
LIQUIDITY INDEX	**0.46**

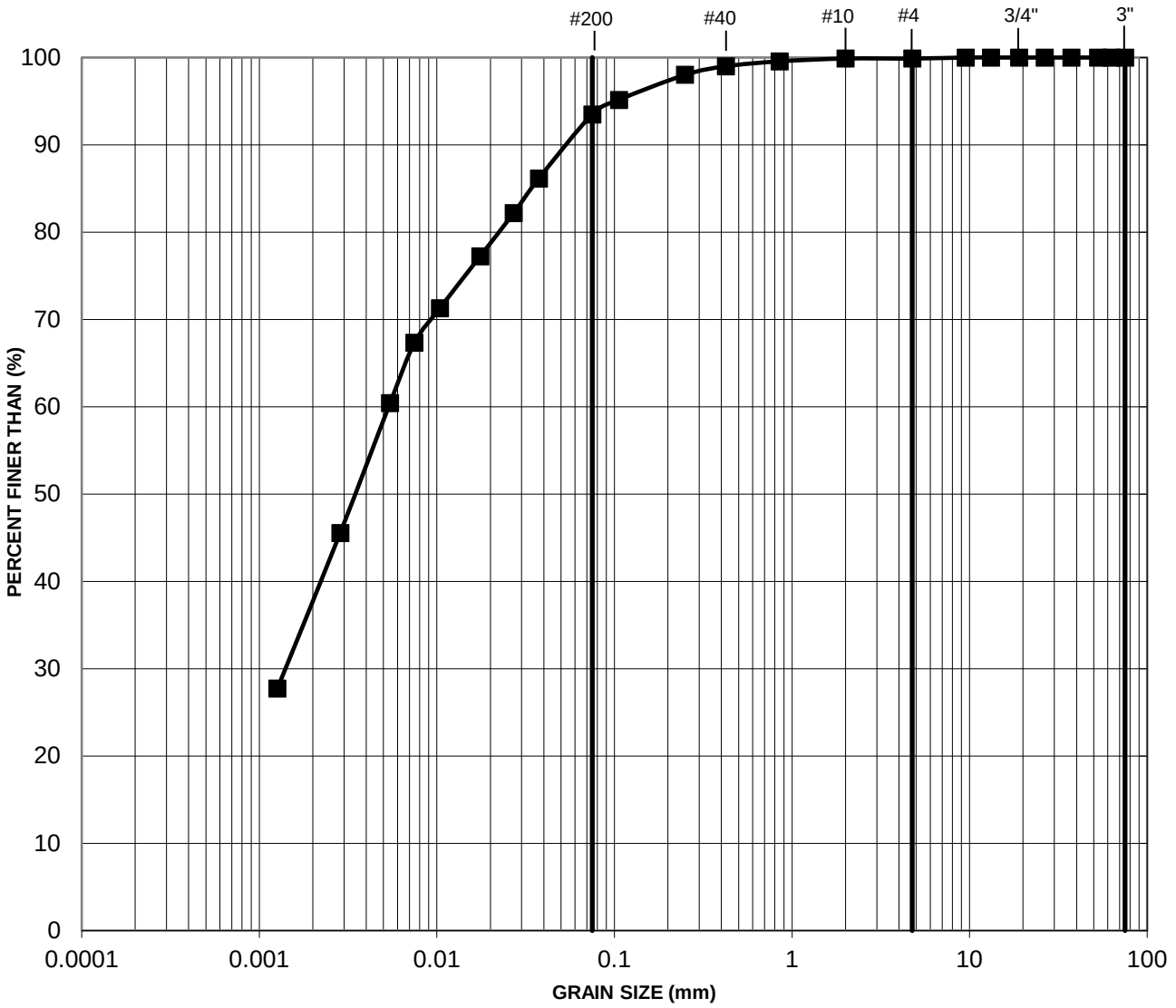


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
22-TSF-BH01A	167673	13.1m - 13.4m

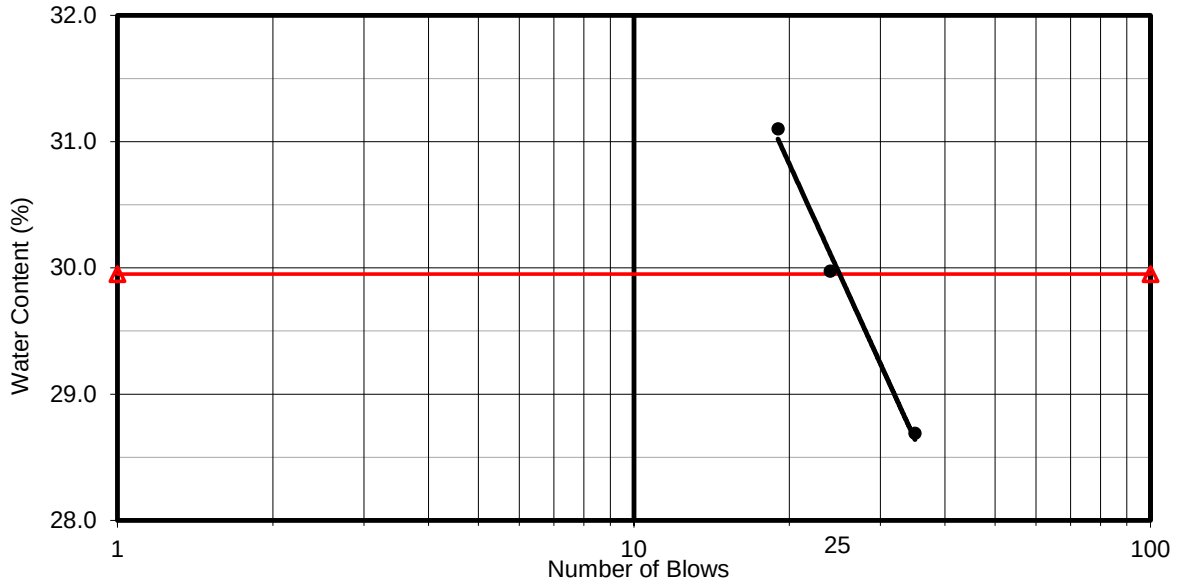
Project No./Phase/Task: 21473972-13000
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21473972-13000**
Project Name:	**Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp**
Test Date:	**01-Apr-22**
Technician:	**HAB**
Lab Number:	**G225**
Borehole:	**22-TSF-BH01A**
Sample Number:	**167673**
Depth of Sample:	**13.1m - 13.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1L	R3	R20			X	56	83	
NUMBER OF BLOWS	24	35	19			X	X	X	X
MASS WET SOIL + TARE (g)	18.39	18.00	17.83			1191.13	33.04	32.71	
MASS DRY SOIL + TARE (g)	15.83	15.61	15.32			1087.44	31.05	30.76	
MASS OF WATER (g)	2.56	2.39	2.51			103.69	1.99	1.95	
MASS OF CONTAINER (g)	7.29	7.28	7.25			510.89	21.31	21.08	
MASS OF DRY SOIL (g)	8.54	8.33	8.07			576.55	9.74	9.68	
WATER CONTENT W (%)	30.0	28.7	31.1			18.0	20.4	20.1	

LIQUID LIMIT (%)	**30.0**
PLASTIC LIMIT (%)	**20.3**
PLASTICITY INDEX (%)	**9.7**
W NATURAL (%)	**18.0**
LIQUIDITY INDEX	**-0.24**



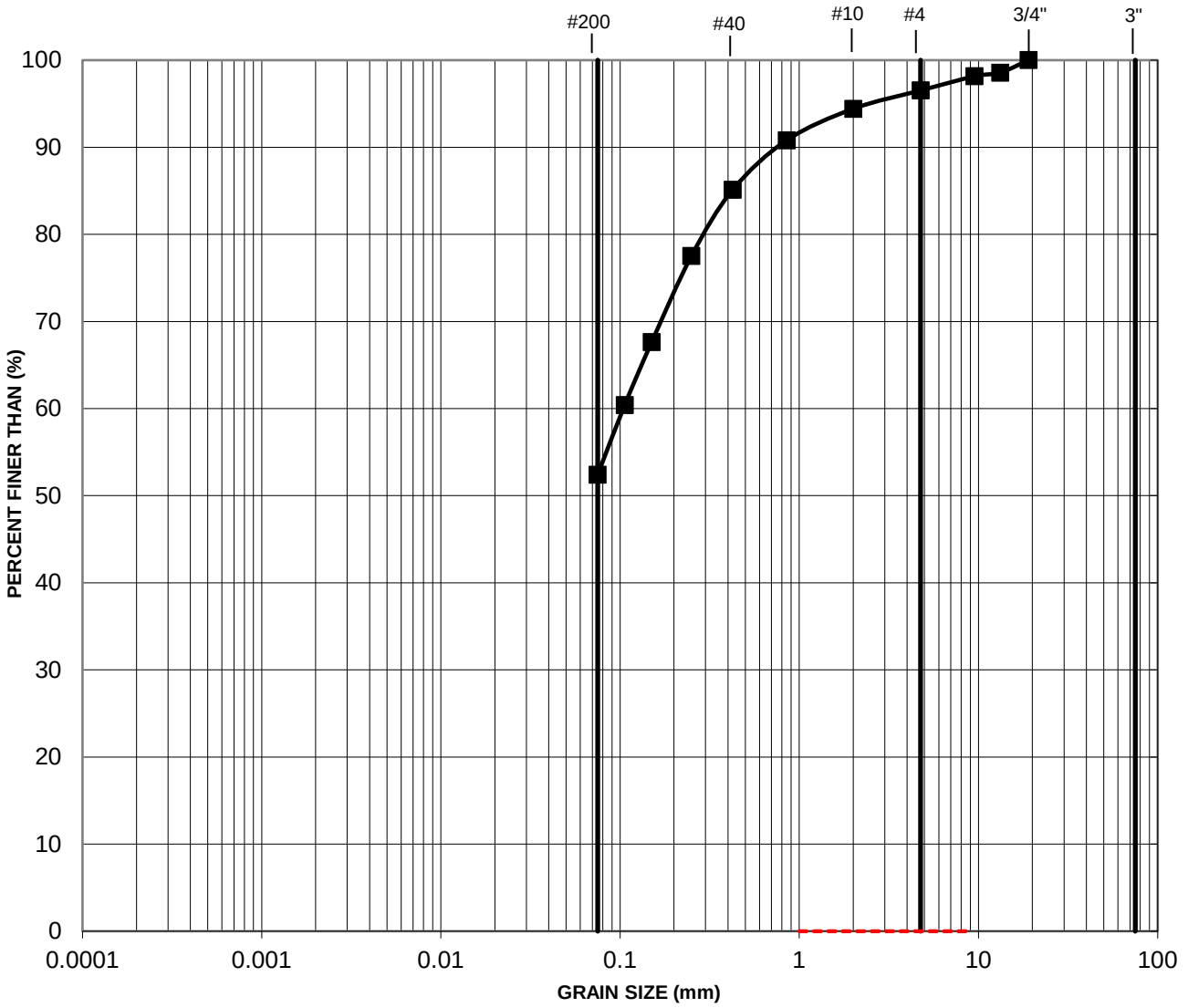
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
22-TSF-BH01A	167677	25.3m - 25.6m

Project No./Phase/Task: 21473972-13000

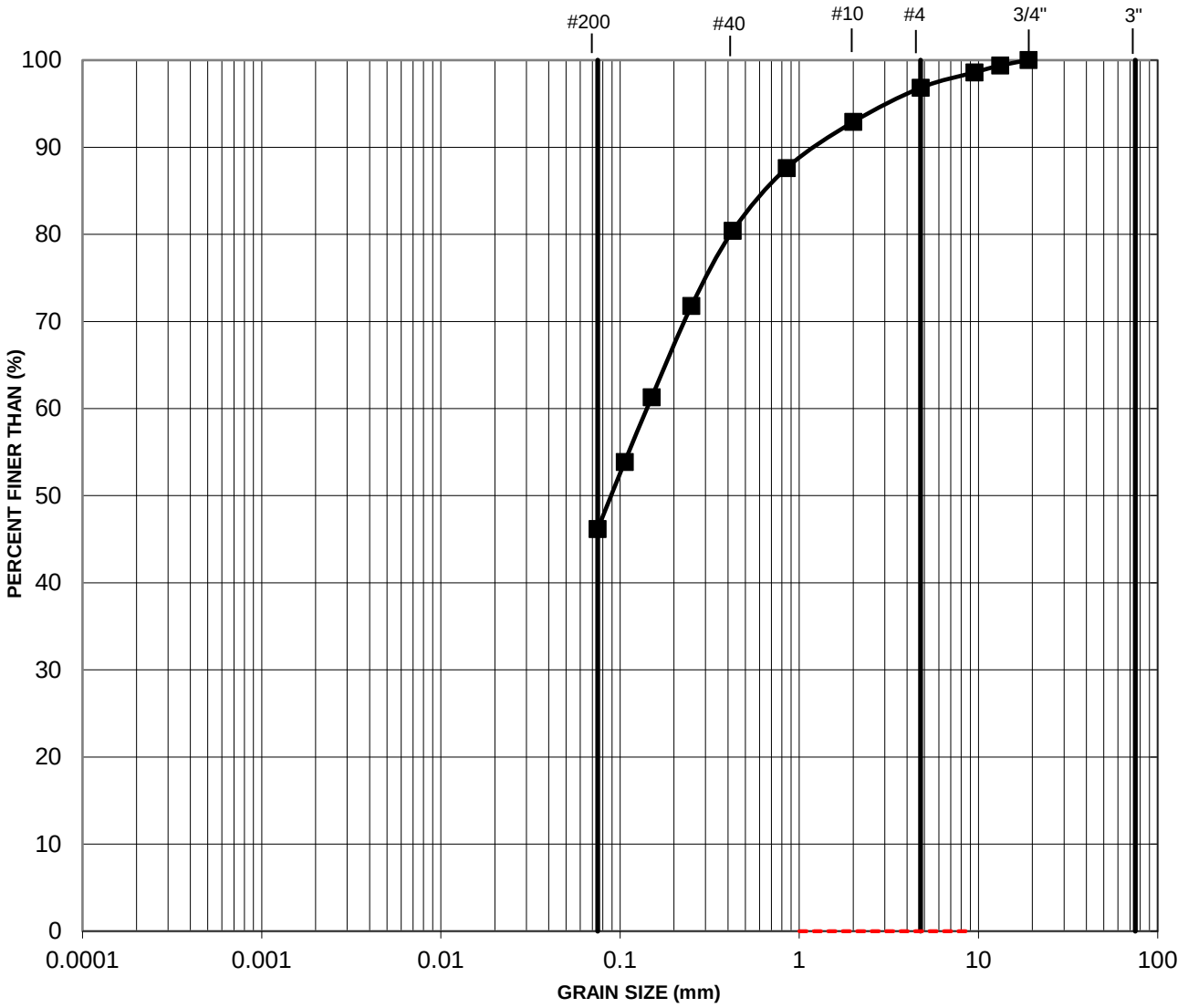
Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
22-TSF-BH01A	167680	32m - 32.3m

Project No./Phase/Task: 21473972-13000

Project Name: Canada Nickel Company Inc./CDN Nickel/Geotech WB WQ Supp

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835
Project Name:	SRK Lab Soil Testing
Client:	SRK Consulting
Org:	1194
Scheduled By:	EL
Date Scheduled:	February 3, 2022
Due Date:	February 25, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G33

	Test Totals:	58	-	18	13	30	-	-	-	-	9			

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-OP-BD-09	36151	3.7	4.0	1									1	G34
SRK21-OP-BD-09	36152	7.6	7.9	1		1		1						G35
SRK21-OP-BD-09	36153	10.7	11.0	1										**G33**
SRK21-OP-BD-09	36154	19.8	20.1	1		1		1						G36
SRK21-OP-BD-09	36155	25.9	26.2	1										**G33**
SRK21-OP-BD-09	36156	31.7	32.9	1		1		1						G37
SRK21-OP-BD-09	36157	35.1	35.4	1			1	1					1	G38
SRK21-OP-BD-06	36158	1.8	2.1	1		1		1						G39
SRK21-OP-BD-06	36159	4.9	5.2	1									1	G40
SRK21-OP-BD-06	36160	10.7	11	1		1		1						G41
SRK21-OP-BD-08	36161	1.8	2.1	1		1		1						G42
SRK21-OP-BD-08	36162	4.6	4.9	1										**G33**
SRK21-OP-BD-08	36163	8.2	8.5	1										**G33**
SRK21-OP-BD-08	36164	12.8	13.1	1		1		1					1	G43
SRK21-OP-BD-08	36165	16.8	17.1	1			1	1						G44
SRK21-OP-BD-08	36167	20.7	21.3	1										**G33**
SRK21-OP-BD-08	36170	26.8	27.4	1										**G33**
SRK21-OP-BD-08	36171	29	29.3	1			1	1					1	G45
SRK21-OP-BD-08	36174	34.7	35.1	1			1	1						G46
SRK21-OP-BD-08	36175	38.7	39	1										**G33**
SRK21-OP-BD-08	36176	41.1	41.5	1			1	1						G47
SRK21-OP-BD-08	36177	44.5	44.8	1										**G33**
SRK21-OP-BD-08	36178	45.1	45.7	1			1	1						G48
SRK21-OP-BD-08	36179	46.9	47.2	1		1		1						G49
SRK21-OP-BD-08	36180	49.4	49.7	1										**G33**
SRK21-OP-BD-08	36181	54.9	55.2	1										**G33**

GOLDER

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-OP-BD-08	36183	67.1	67.4	1			1	1					1	G50
SRK21-OP-BD-08	36184	74.4	74.7	1										**G33**
SRK21-OP-BD-08	36185	82.6	82.9	1			1	1						G51
SRK21-OP-BD-03	36186	1.8	2.1	1		1		1						G52
SRK21-OP-BD-03	36188	9.4	9.8	1										**G33**
SRK21-OP-BD-03	36191	13.10	13.4	1										**G33**
SRK21-OP-BD-03	36192	16.8	17.1	1										**G33**
SRK21-OP-BD-03	36194	19.8	20.1	1										**G33**
SRK21-OP-BD-03	36197	23.8	24.4	1			1	1						G55
SRK21-OP-BD-03	36199	29.3	29.6	1										**G33**
SRK21-OP-BD-03	36200	29.9	30.5	1			1	1						G56
SRK21-OP-BD-03	35151	33.5	33.8	1			1	1						G57
SRK21-OP-BH-05	35152	4.9	5.2	1		1		1						G58
SRK21-OP-BH-05	35153	7	7.3	1										**G33**
SRK21-OP-BH-05	35154	11	11.3	1										**G33**
SRK21-OP-BH-05	35155	11.6	12.2	1		1		1						G59
SRK21-OP-BH-05	35156	14	14.3	1		1		1						G60
SRK21-OP-BH-05	35157	14.6	15.2	1			1	1					1	G61
SRK21-OP-BH-05	35159	20.7	21.3	1		1		1						G62
SRK21-OP-BD-12	35164	6.1	6.4	1										**G33**
SRK21-OP-BD-12	35166	10.7	11	1										**G33**
SRK21-OP-BD-12	35170	19.2	19.5	1		1		1						G64
SRK21-OP-BD-12	35174	29.9	30.5	1		1							1	G65
SRK21-OP-BD-12	35175	30.8	31.1	1										**G33**
SRK21-OP-BD-12	35178	36	36.3	1		1		1						G66
SRK21-OP-BD-12	35180	39	39.6	1										**G33**
SRK21-OP-BD-12	35179	38.4	38.7	1			1	1					1	G67
SRK21-OP-BD-05	35182	1.5	1.8	1		1		1						G68
SRK21-OP-BD-05	35184	4.9	5.2	1		1		1						G69
SRK21-OP-BD-05	35183	2.7	3	1										**G33**
SRK21-OP-BD-05	35187	11	11.3	1										**G33**
SRK21-OP-BD-05	35188	13.4	13.7	1										**G33**

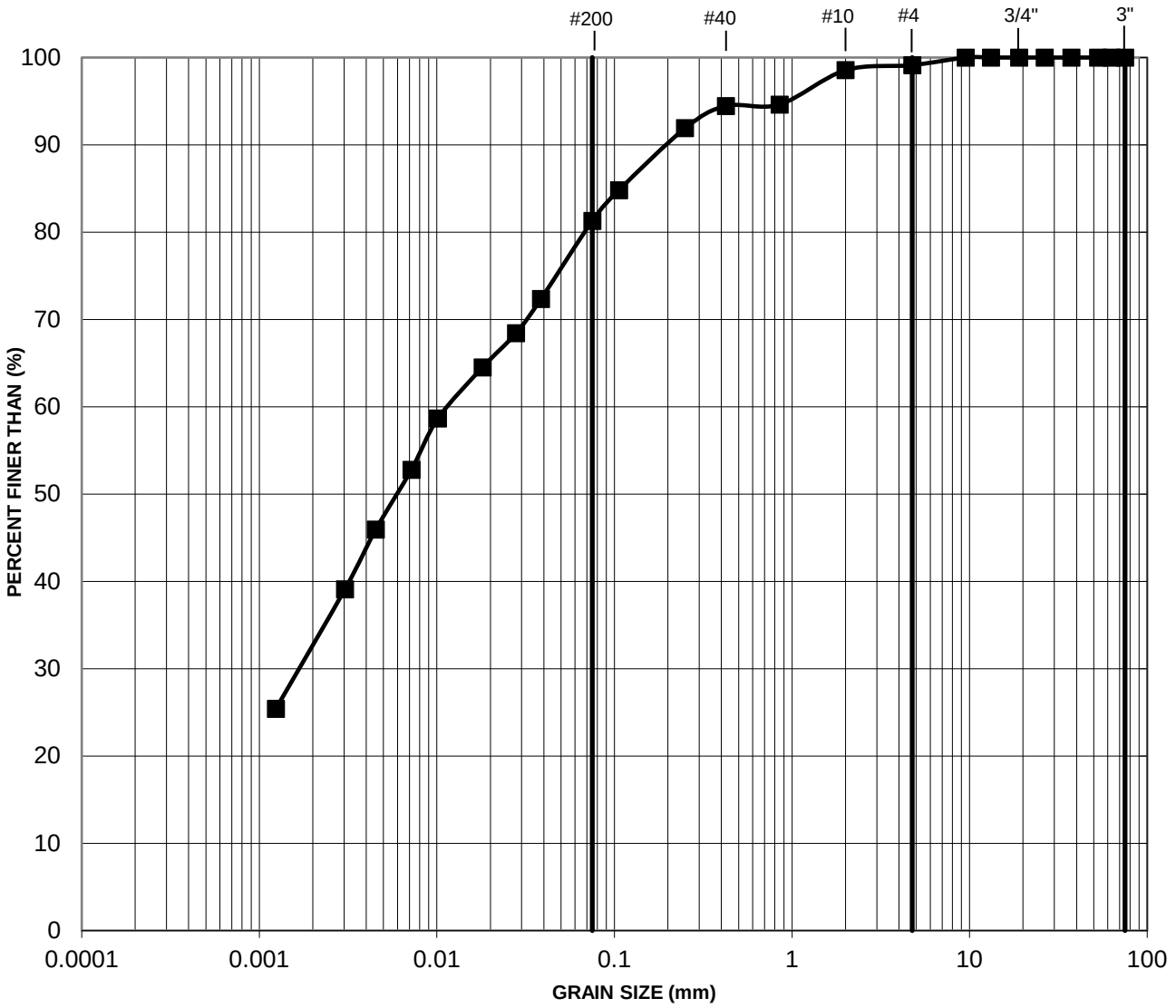
GOLDER

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Lab Water Content No.:	**G33**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Specific Gravity	Atterberg Limits			
					LL	PL	PI	LI
SRK21-OP-BD-09	36151	3.7m - 4m	20.0	2.760				
SRK21-OP-BD-09	36152	7.6m - 7.9m	22.5		28.2	14.1	14.1	0.6
SRK21-OP-BD-09	36153	10.7m - 11m	33.1					
SRK21-OP-BD-09	36154	19.8m - 20.1m	50.0		52.8	24.2	28.6	0.9
SRK21-OP-BD-09	36155	25.9m - 26.2m	31.8					
SRK21-OP-BD-09	36156	31.7m - 32.9m	27.0		21.3	17.9	3.4	2.7
SRK21-OP-BD-09	36157	35.1m - 35.4m	17.6	2.662	NP	NP	NP	NP
SRK21-OP-BD-06	36158	1.8m - 2.1m	17.1		17.1	15.1	2.0	1.0
SRK21-OP-BD-06	36159	4.9m - 5.2m	19.1	2.748				
SRK21-OP-BD-06	36160	10.7m - 11m	17.2		24.6	13.5	11.2	0.3
SRK21-OP-BD-08	36161	1.8m - 2.1m	17.5		20.4	16.9	3.4	0.2
SRK21-OP-BD-08	36162	4.6m - 4.9m	13.9					
SRK21-OP-BD-08	36163	8.2m - 8.5m	17.2					
SRK21-OP-BD-08	36164	12.8m - 13.1m	39.2	2.775	42.7	21.0	21.8	0.8
SRK21-OP-BD-08	36165	16.8m - 17.1m	20.1		NP	NP	NP	NP
SRK21-OP-BD-08	36167	20.7m - 21.3m	21.9					
SRK21-OP-BD-08	36170	26.8m - 27.4m	20.5					
SRK21-OP-BD-08	36171	29m - 29.3m	20.5	2.688	NP	NP	NP	NP
SRK21-OP-BD-08	36174	34.7m - 35.1m	11.8		NP	NP	NP	NP
SRK21-OP-BD-08	36175	38.7m - 39m	7.7					
SRK21-OP-BD-08	36176	41.1m - 41.5m	6.9		NP	NP	NP	NP
SRK21-OP-BD-08	36177	44.5m - 44.8m	13.5					
SRK21-OP-BD-08	36178	45.1m - 45.7m	15.6		NP	NP	NP	NP
SRK21-OP-BD-08	36179	46.9m - 47.2m	6.8		22.2	12.8	9.3	-0.6
SRK21-OP-BD-08	36180	49.4m - 49.7m	6.8					
SRK21-OP-BD-08	36181	54.9m - 55.2m	7.0					
SRK21-OP-BD-08	36183	67.1m - 67.4m	16.3	2.698	NP	NP	NP	NP
SRK21-OP-BD-08	36184	74.4m - 74.7m	7.2					
SRK21-OP-BD-08	36185	82.6m - 82.9m	9.0		NP	NP	NP	NP
SRK21-OP-BD-03	36186	1.8m - 2.1m	18.6		20.8	17.7	3.2	0.3
SRK21-OP-BD-03	36188	9.4m - 9.8m	17.1					
SRK21-OP-BD-03	36191	13.1m - 13.4m	42.1					
SRK21-OP-BD-03	36192	16.8m - 17.1m	30.6					
SRK21-OP-BD-03	36194	19.8m - 20.1m	17.7					
SRK21-OP-BD-03	36197	23.8m - 24.4m	14.3		NP	NP	NP	NP
SRK21-OP-BD-03	36199	29.3m - 29.6m	8.2					
SRK21-OP-BD-03	36200	29.9m - 30.5m	11.2		NP	NP	NP	NP
SRK21-OP-BD-03	35151	33.5m - 33.8m	6.2		NP	NP	NP	NP
SRK21-OP-BH-05	35152	4.9m - 5.2m	17.9		25.9	14.9	11.0	0.3
SRK21-OP-BH-05	35153	7m - 7.3m	22.0					
SRK21-OP-BH-05	35154	11m - 11.3m	12.9					
SRK21-OP-BH-05	35155	11.6m - 12.2m	13.0		NP	NP	NP	NP
SRK21-OP-BH-05	35156	14m - 14.3m	22.3		36.2	23.1	13.1	-0.1
SRK21-OP-BH-05	35157	14.6m - 15.2m	17.4	2.702	NP	NP	NP	NP
SRK21-OP-BH-05	35159	20.7m - 21.3m	14.7		NP	NP	NP	NP
SRK21-OP-BD-12	35164	6.1m - 6.4m	22.6					
SRK21-OP-BD-12	35166	10.7m - 11m	22.1					
SRK21-OP-BD-12	35170	19.2m - 19.5m	36.5		39.2	19.7	19.5	0.9
SRK21-OP-BD-12	35174	29.9m - 30.5m	11.0	2.712				
SRK21-OP-BD-12	35175	30.8m - 31.1m	10.2					
SRK21-OP-BD-12	35178	36m - 36.3m	10.9		NP	NP	NP	NP
SRK21-OP-BD-12	35180	39m - 39.6m	12.5					
SRK21-OP-BD-12	35179	38.4m - 38.7m	17.8	2.692	NP	NP	NP	NP
SRK21-OP-BD-05	35182	1.5m - 1.8m	19.1		23.3	15.6	7.7	0.4
SRK21-OP-BD-05	35184	4.9m - 5.2m	15.1		21.8	13.0	8.8	0.2
SRK21-OP-BD-05	35183	2.7m - 3m	22.3					
SRK21-OP-BD-05	35187	11m - 11.3m	37.6					
SRK21-OP-BD-05	35188	13.4m - 13.7m	38.4					

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-09	36152	7.6m - 7.9m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

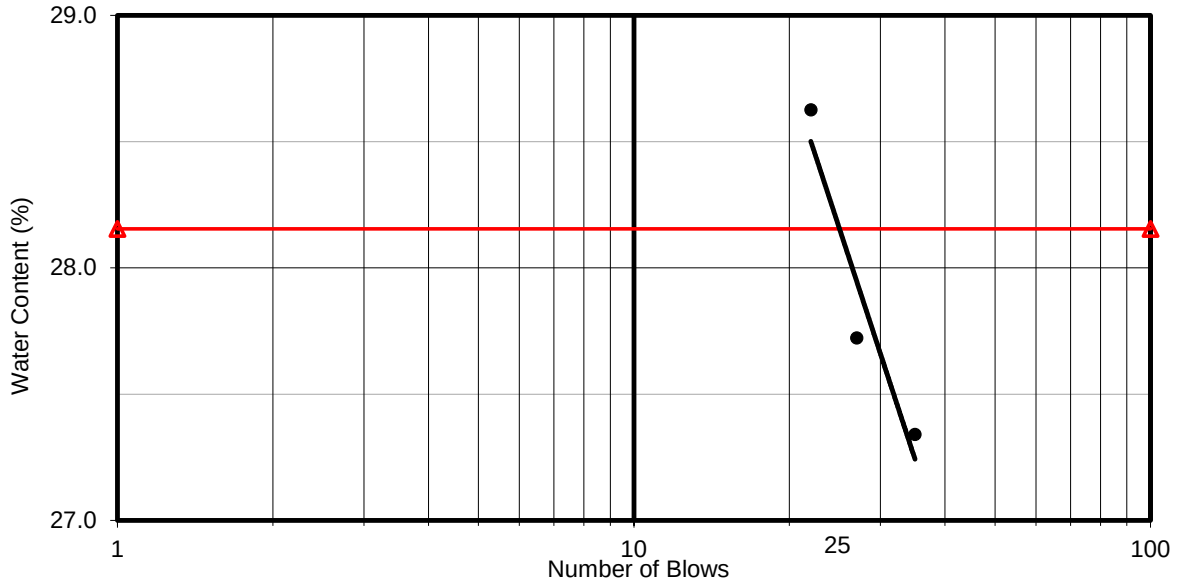
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G35**
Borehole:	**SRK21-OP-BD-09**
Sample Number:	**36152**
Depth of Sample:	**7.6m - 7.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r9	r22	xxx			X	u	n	
NUMBER OF BLOWS	22	27	35			X	X	X	X
MASS WET SOIL + TARE (g)	27.25	28.60	27.43			847.71	26.81	28.04	
MASS DRY SOIL + TARE (g)	24.25	25.52	24.51			749.73	25.24	26.36	
MASS OF WATER (g)	3.00	3.08	2.92			97.98	1.57	1.68	
MASS OF CONTAINER (g)	13.77	14.41	13.83			313.84	14.17	14.32	
MASS OF DRY SOIL (g)	10.48	11.11	10.68			435.89	11.07	12.04	
WATER CONTENT W (%)	28.6	27.7	27.3			22.5	14.2	14.0	

LIQUID LIMIT (%)	**28.2**
PLASTIC LIMIT (%)	**14.1**
PLASTICITY INDEX (%)	**14.1**
W NATURAL (%)	**22.5**
LIQUIDITY INDEX	**0.60**

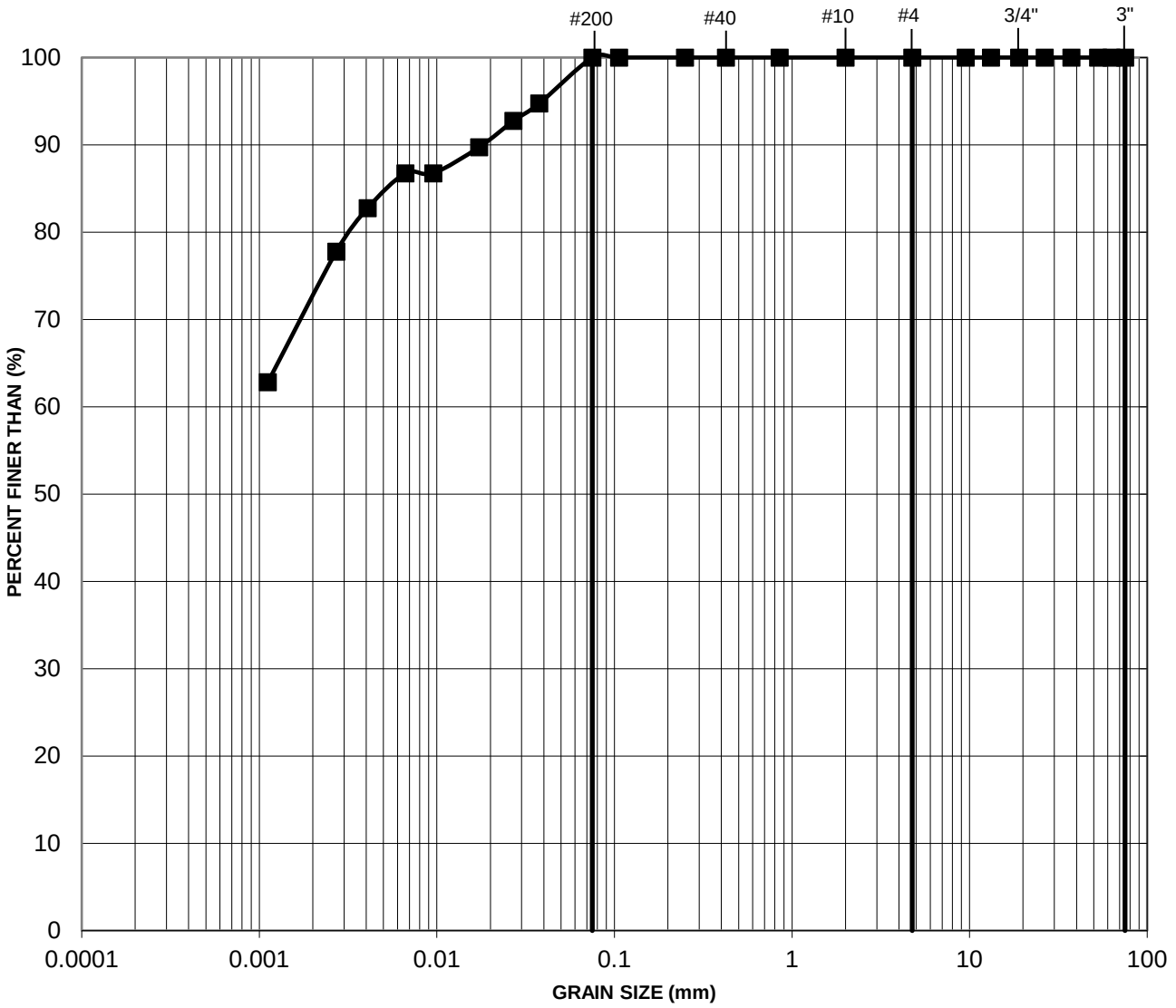


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-09	36154	19.8m - 20.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

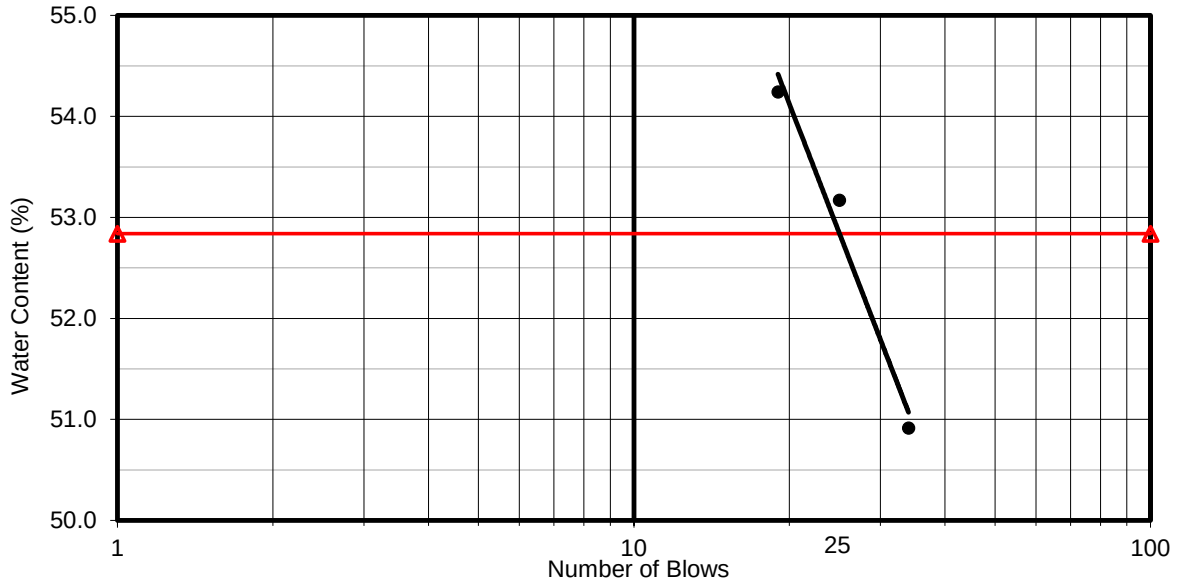
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 7 , 2022**
Technician:	**HAB**
Lab Number:	**G36**
Borehole:	**SRK21-OP-BD-09**
Sample Number:	**36154**
Depth of Sample:	**19.8m - 20.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1	2	R11l			X	R1	R12	
NUMBER OF BLOWS	25	19	34			X	X	X	X
MASS WET SOIL + TARE (g)	18.56	18.32	18.07			574.30	25.64	25.74	
MASS DRY SOIL + TARE (g)	14.62	14.42	14.45			486.44	23.34	23.55	
MASS OF WATER (g)	3.94	3.90	3.62			87.86	2.30	2.19	
MASS OF CONTAINER (g)	7.21	7.23	7.34			310.87	13.86	14.48	
MASS OF DRY SOIL (g)	7.41	7.19	7.11			175.57	9.48	9.07	
WATER CONTENT W (%)	53.2	54.2	50.9			50.0	24.3	24.1	

LIQUID LIMIT (%)	**52.8**
PLASTIC LIMIT (%)	**24.2**
PLASTICITY INDEX (%)	**28.6**
W NATURAL (%)	**50.0**
LIQUIDITY INDEX	**0.90**

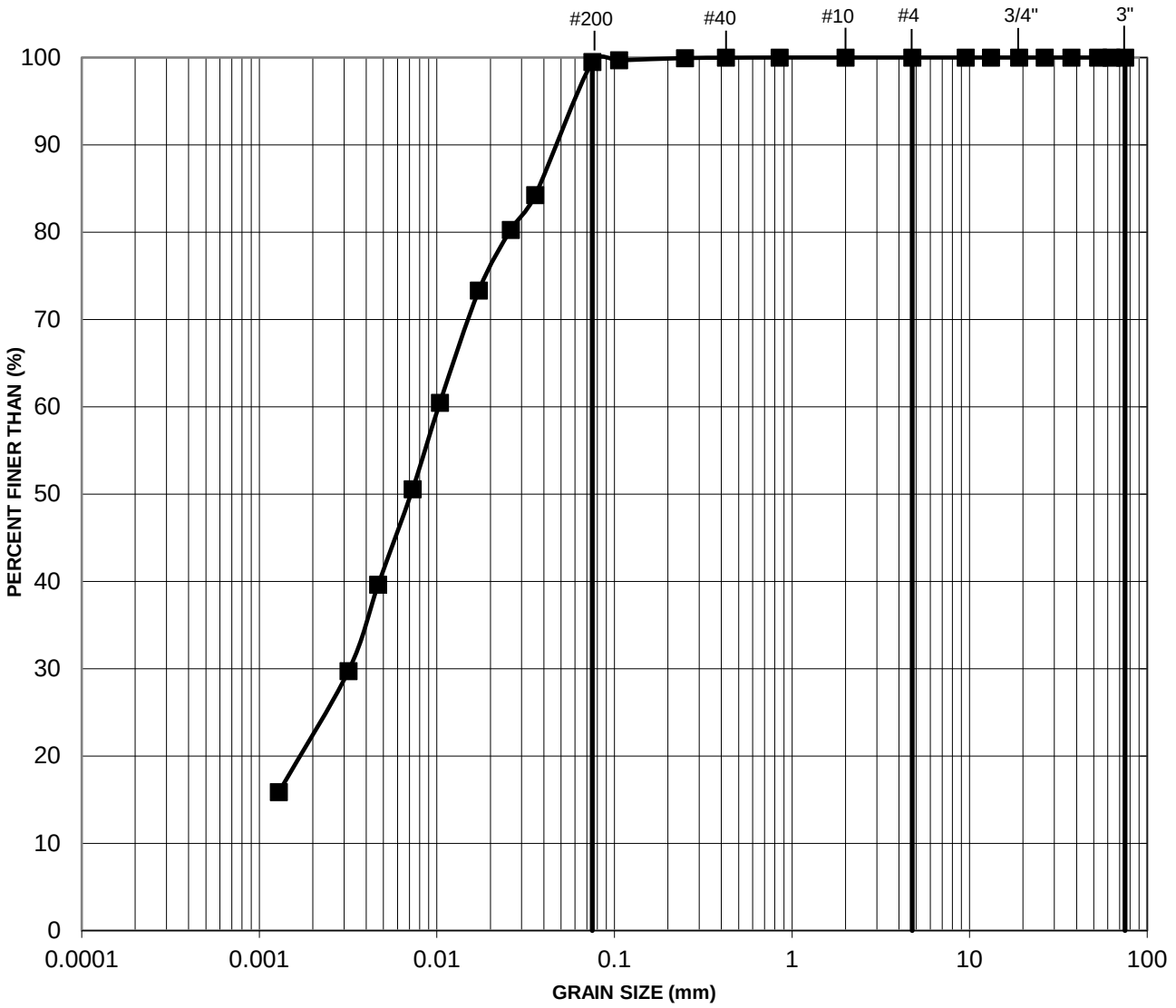


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-09	36156	31.7m - 32.9m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

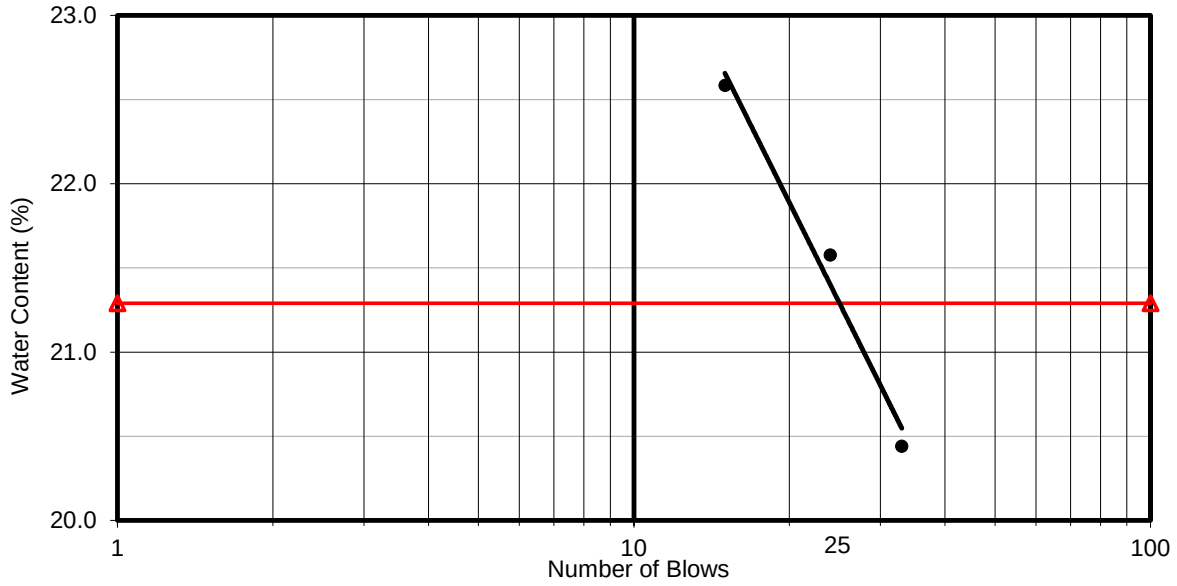
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 7, 2022**
Technician:	**HAB**
Lab Number:	**G37**
Borehole:	**SRK21-OP-BD-09**
Sample Number:	**36156**
Depth of Sample:	**31.7m - 32.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	4m	6	2			X	1a	7m	
NUMBER OF BLOWS	15	24	33			X	X	X	X
MASS WET SOIL + TARE (g)	17.45	18.34	17.57			581.07	26.47	26.95	
MASS DRY SOIL + TARE (g)	15.58	16.37	15.81			523.32	24.59	24.89	
MASS OF WATER (g)	1.87	1.97	1.76			57.75	1.88	2.06	
MASS OF CONTAINER (g)	7.30	7.24	7.20			309.75	13.93	13.57	
MASS OF DRY SOIL (g)	8.28	9.13	8.61			213.57	10.66	11.32	
WATER CONTENT W (%)	22.6	21.6	20.4			27.0	17.6	18.2	

LIQUID LIMIT (%)	**21.3**
PLASTIC LIMIT (%)	**17.9**
PLASTICITY INDEX (%)	**3.4**
W NATURAL (%)	**27.0**
LIQUIDITY INDEX	**2.70**



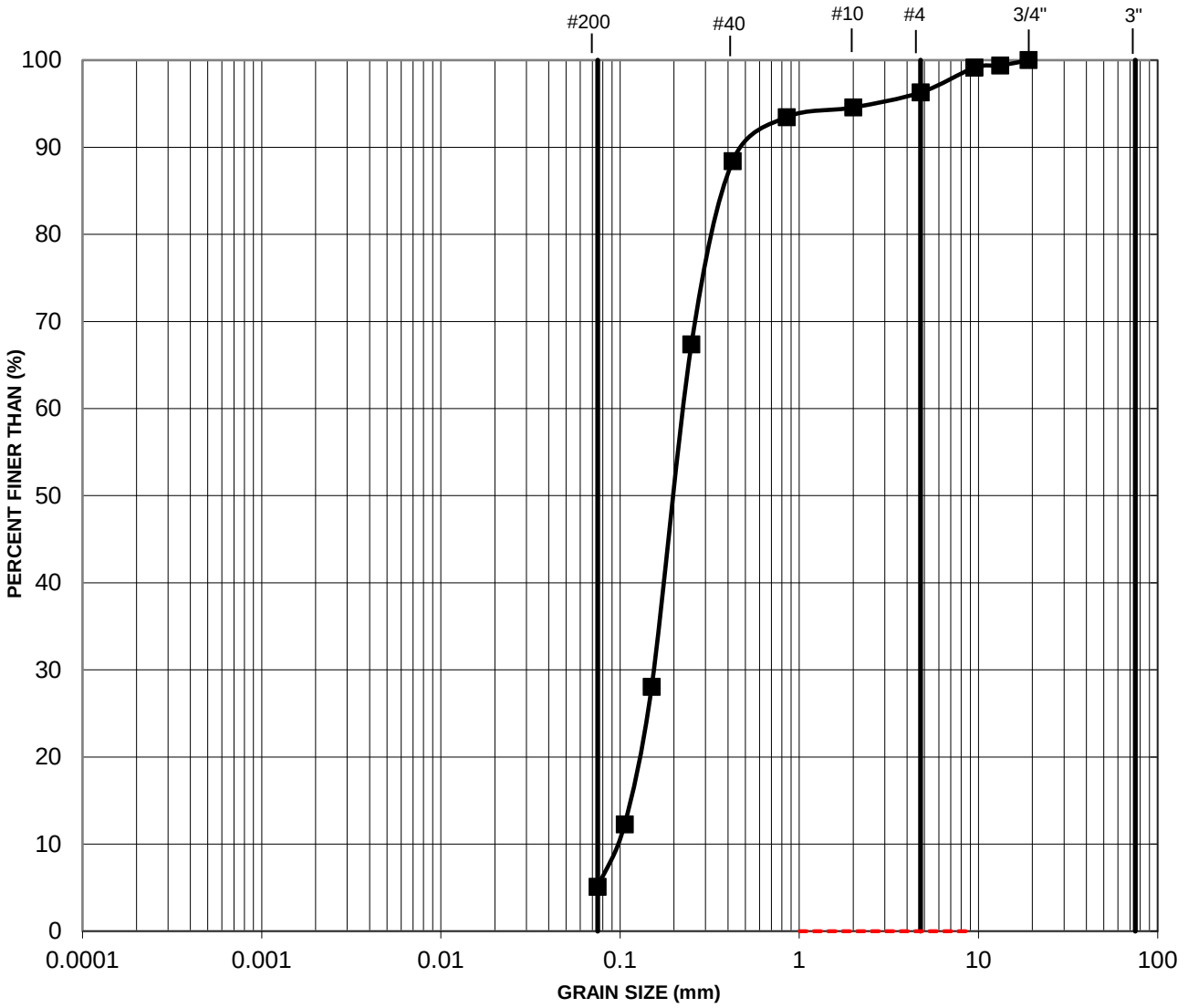
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-09	36157	35.1m - 35.4m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

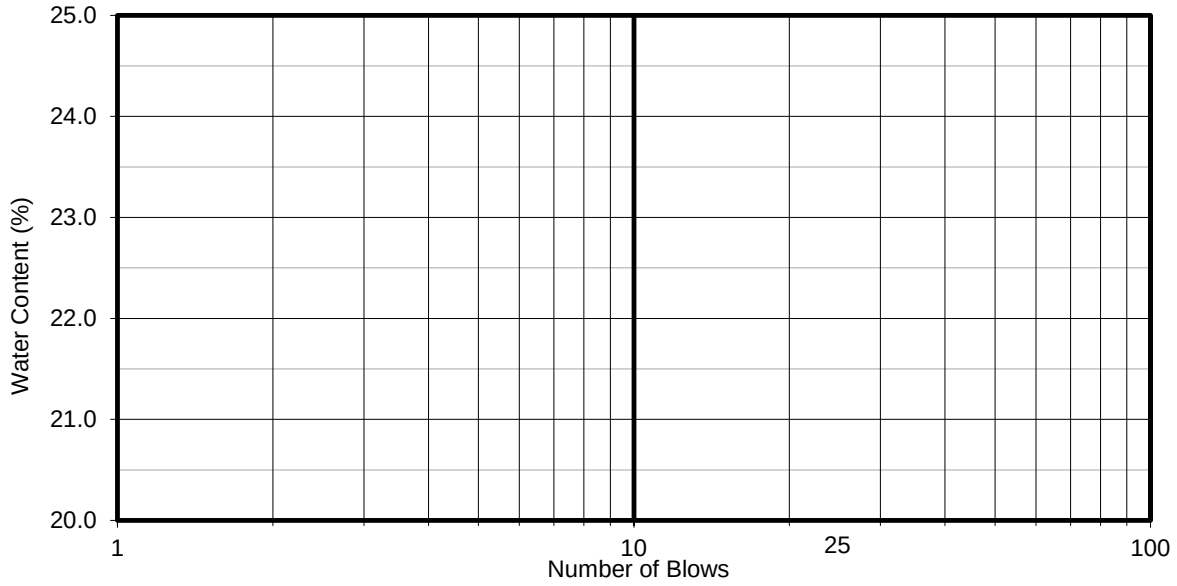
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HK**
Lab Number:	**G38**
Borehole:	**SRK21-OP-BD-09**
Sample Number:	**36157**
Depth of Sample:	**35.1m - 35.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1487.10			
MASS DRY SOIL + TARE (g)						1314.53			
MASS OF WATER (g)						172.57			
MASS OF CONTAINER (g)						333.39			
MASS OF DRY SOIL (g)						981.14			
WATER CONTENT W (%)						17.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

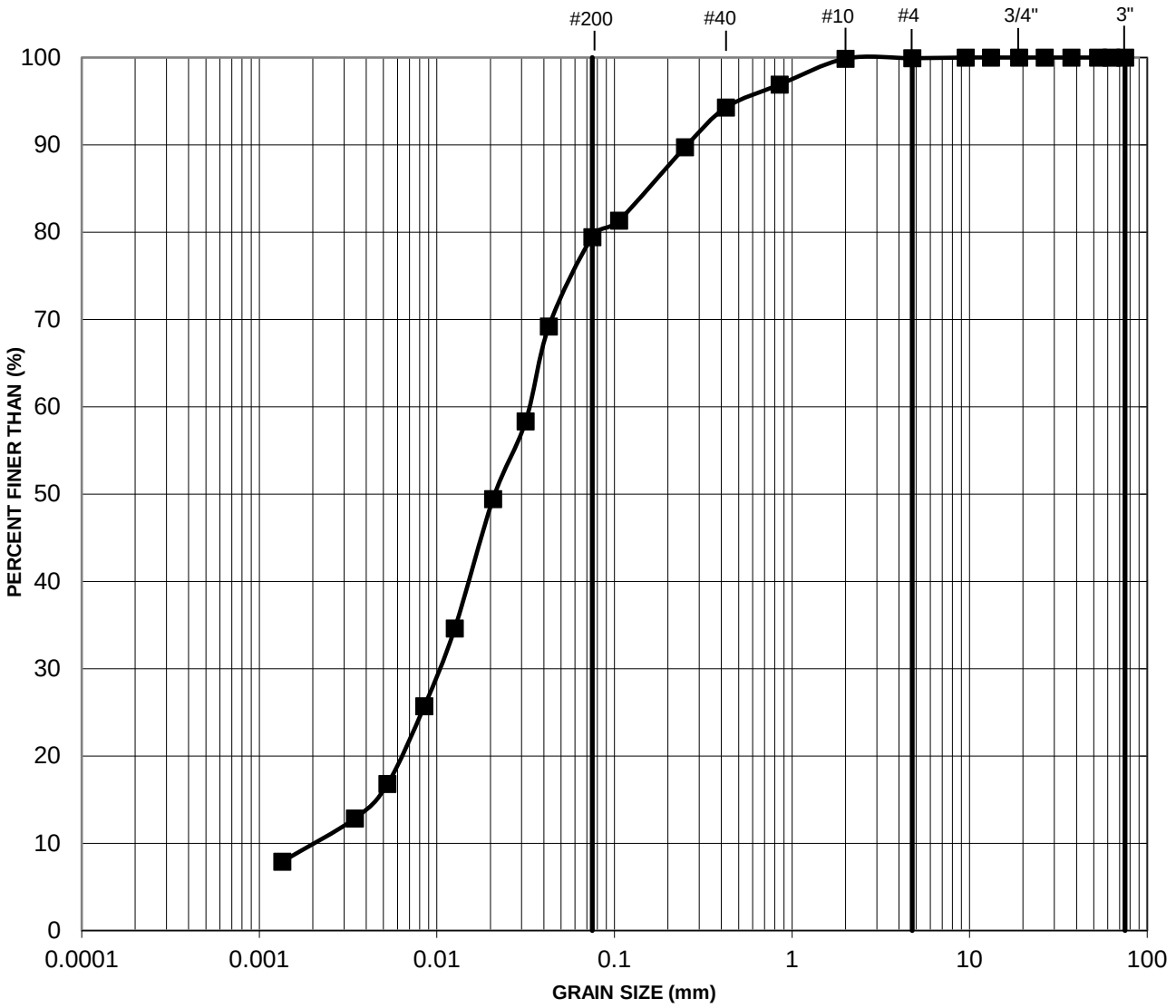


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-06	36158	1.8m - 2.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

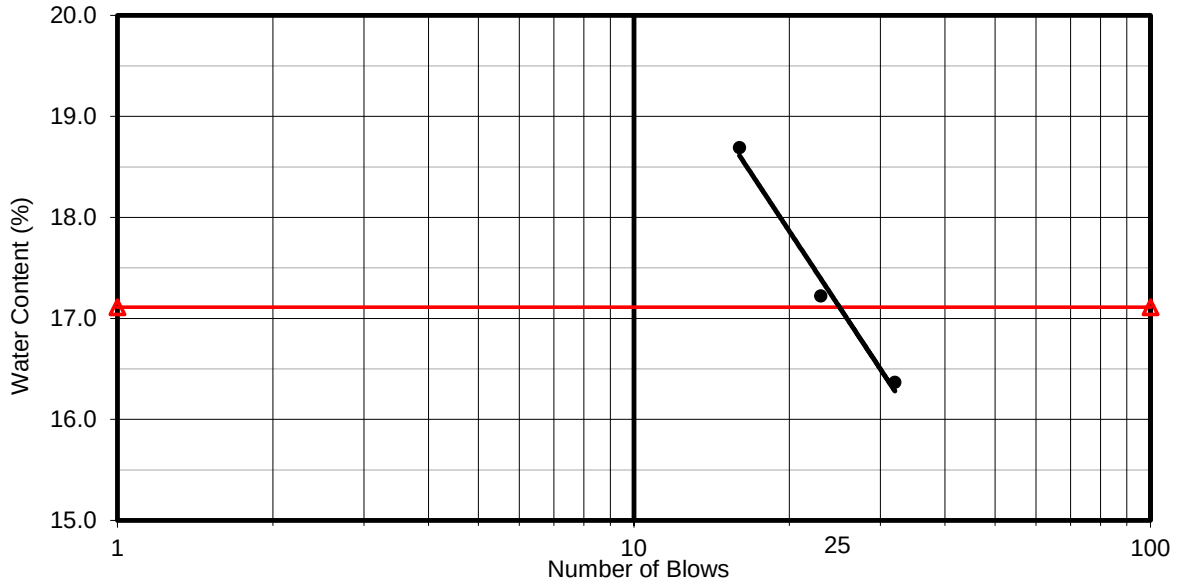
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 7, 2022**
Technician:	**HAB**
Lab Number:	**G39**
Borehole:	**SRK21-OP-BD-06**
Sample Number:	**36158**
Depth of Sample:	**1.8m - 2.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r1	3m	8m			**X**	h	r5	
NUMBER OF BLOWS	16	23	32			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.47	17.49	17.65			650.90	27.29	27.12	
MASS DRY SOIL + TARE (g)	15.87	16.00	16.19			601.52	25.57	25.39	
MASS OF WATER (g)	1.60	1.49	1.46			49.38	1.72	1.73	
MASS OF CONTAINER (g)	7.31	7.35	7.27			312.14	14.21	13.88	
MASS OF DRY SOIL (g)	8.56	8.65	8.92			289.38	11.36	11.51	
WATER CONTENT W (%)	18.7	17.2	16.4			17.1	15.1	15.0	

LIQUID LIMIT (%)	**17.1**
PLASTIC LIMIT (%)	**15.1**
PLASTICITY INDEX (%)	**2.0**
W NATURAL (%)	**17.1**
LIQUIDITY INDEX	**0.98**

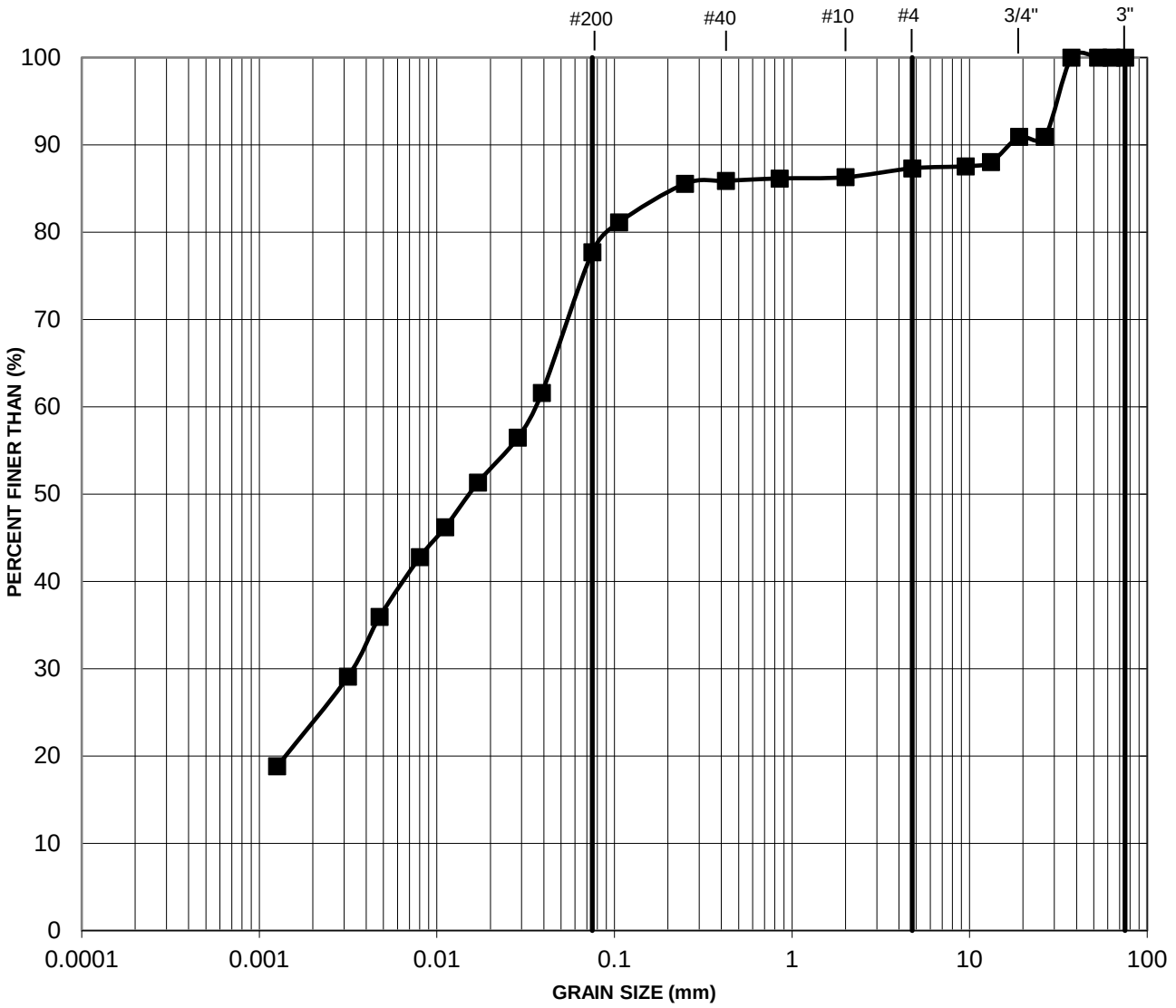


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-06	36160	10.7m - 11.0m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

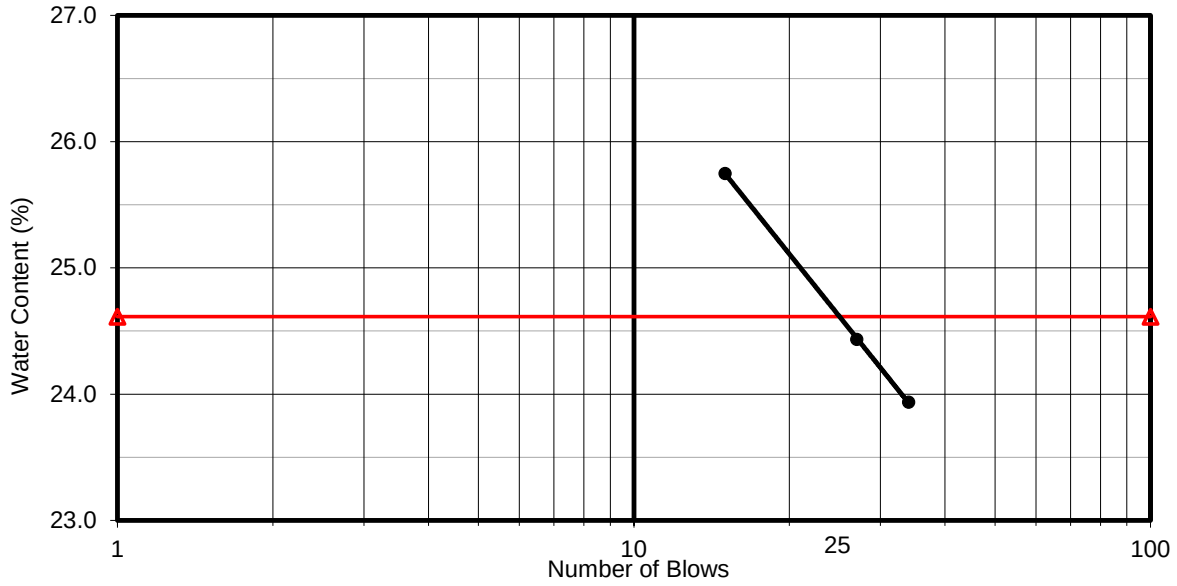
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G41**
Borehole:	**SRK21-OP-BD-06**
Sample Number:	**36160**
Depth of Sample:	**10.7m - 11.0m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	19	45	49			X	38	81	
NUMBER OF BLOWS	15	27	34			X	X	X	X
MASS WET SOIL + TARE (g)	23.12	23.29	23.03			869.76	32.99	33.19	
MASS DRY SOIL + TARE (g)	20.63	20.91	20.72			789.90	31.58	31.86	
MASS OF WATER (g)	2.49	2.38	2.31			79.86	1.41	1.33	
MASS OF CONTAINER (g)	10.96	11.17	11.07			325.95	21.44	21.63	
MASS OF DRY SOIL (g)	9.67	9.74	9.65			463.95	10.14	10.23	
WATER CONTENT W (%)	25.7	24.4	23.9			17.2	13.9	13.0	

LIQUID LIMIT (%)	**24.6**
PLASTIC LIMIT (%)	**13.5**
PLASTICITY INDEX (%)	**11.2**
W NATURAL (%)	**17.2**
LIQUIDITY INDEX	**0.34**

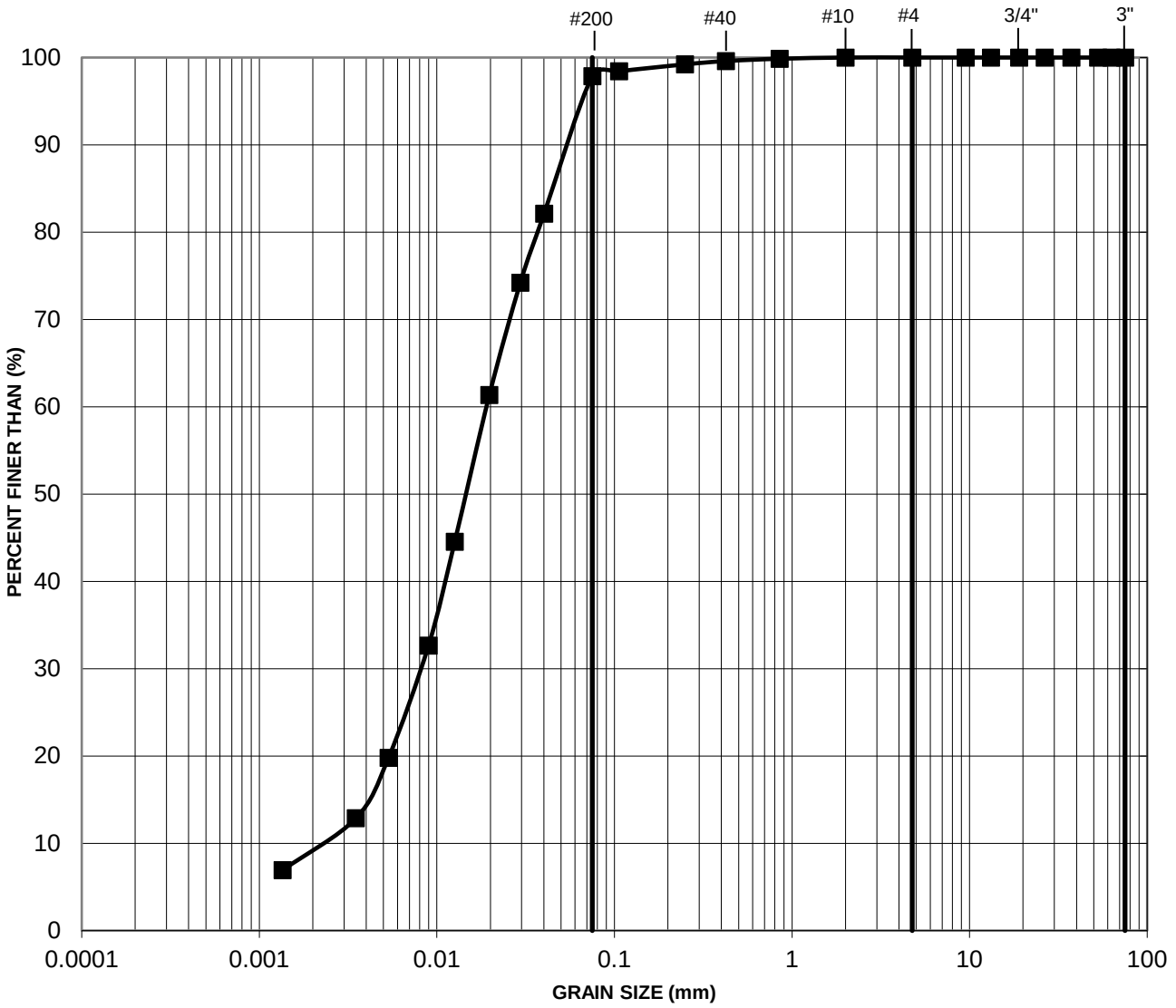


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36161	1.8m - 2.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

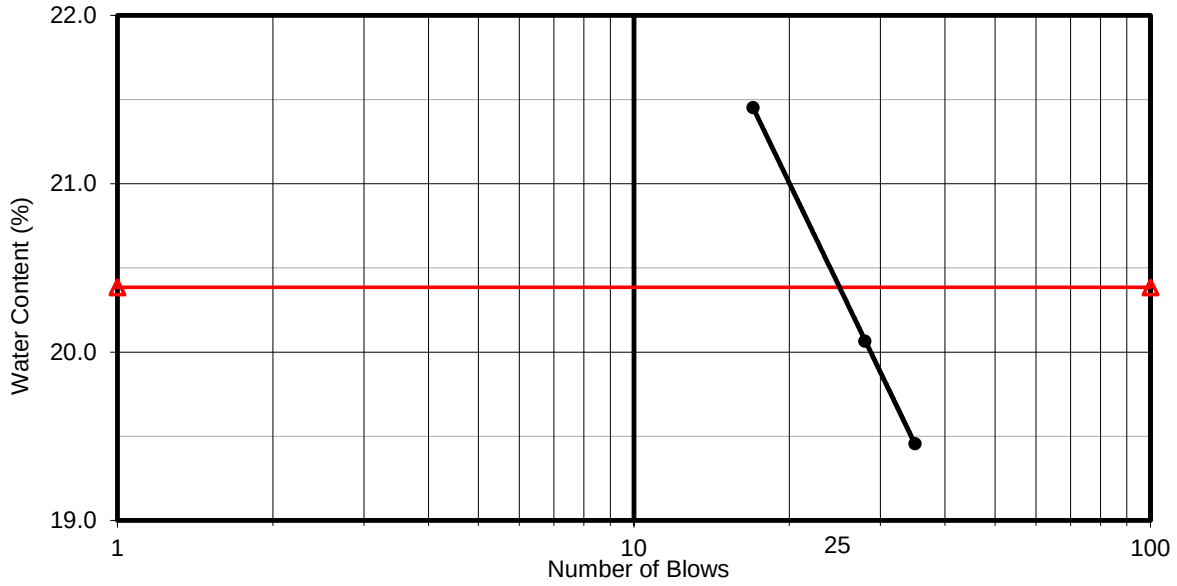
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 7, 2022**
Technician:	**HAB**
Lab Number:	**G42**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36161**
Depth of Sample:	**1.8m - 2.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r14l	16l	20m			**X**	5m	8m	
NUMBER OF BLOWS	17	28	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.66	18.17	17.80			614.42	26.95	26.82	
MASS DRY SOIL + TARE (g)	15.83	16.35	16.08			569.64	25.00	24.98	
MASS OF WATER (g)	1.83	1.82	1.72			44.78	1.95	1.84	
MASS OF CONTAINER (g)	7.30	7.28	7.24			314.26	13.72	13.89	
MASS OF DRY SOIL (g)	8.53	9.07	8.84			255.38	11.28	11.09	
WATER CONTENT W (%)	21.5	20.1	19.5			17.5	17.3	16.6	

LIQUID LIMIT (%)	**20.4**
PLASTIC LIMIT (%)	**16.9**
PLASTICITY INDEX (%)	**3.4**
W NATURAL (%)	**17.5**
LIQUIDITY INDEX	**0.17**

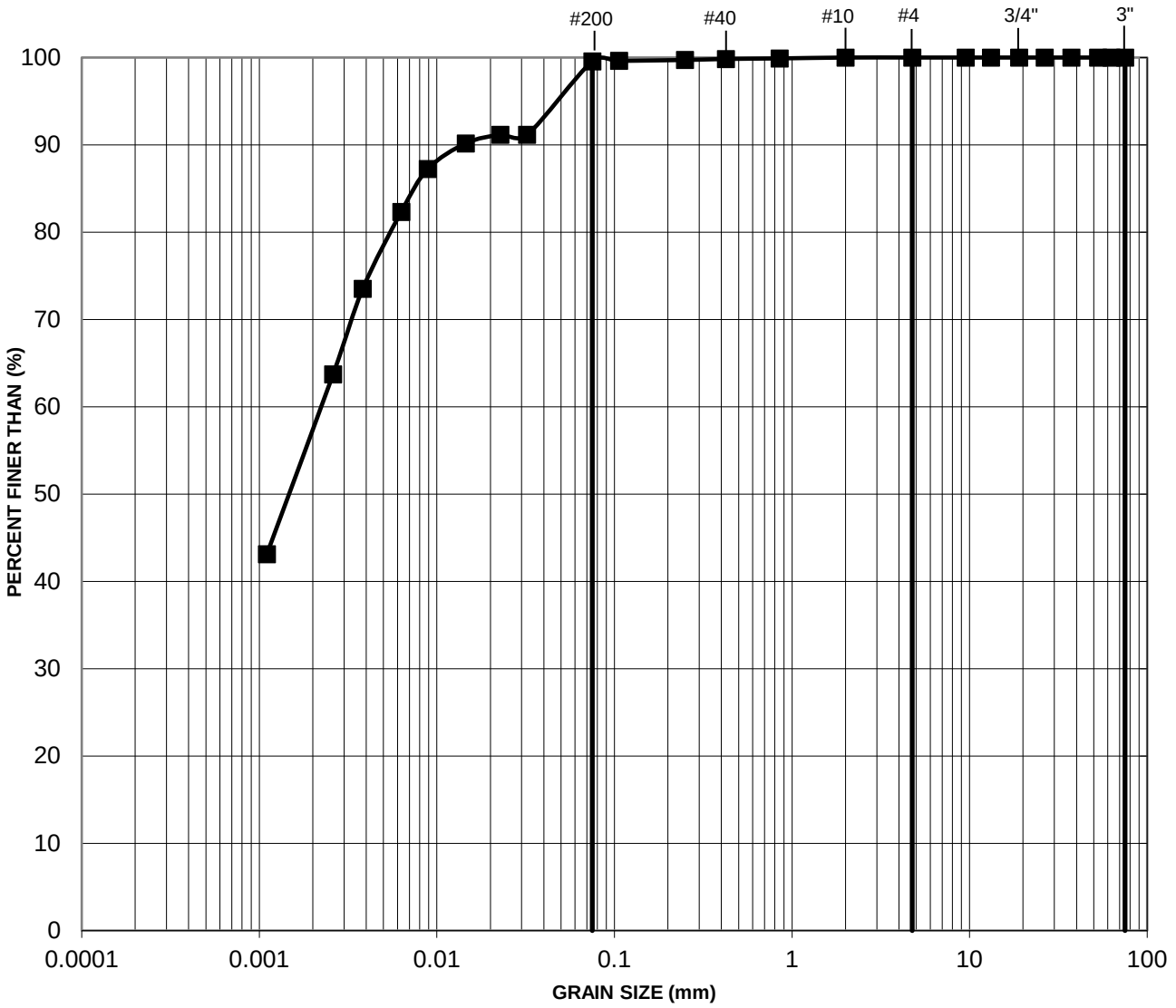


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36164	12.8m - 13.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

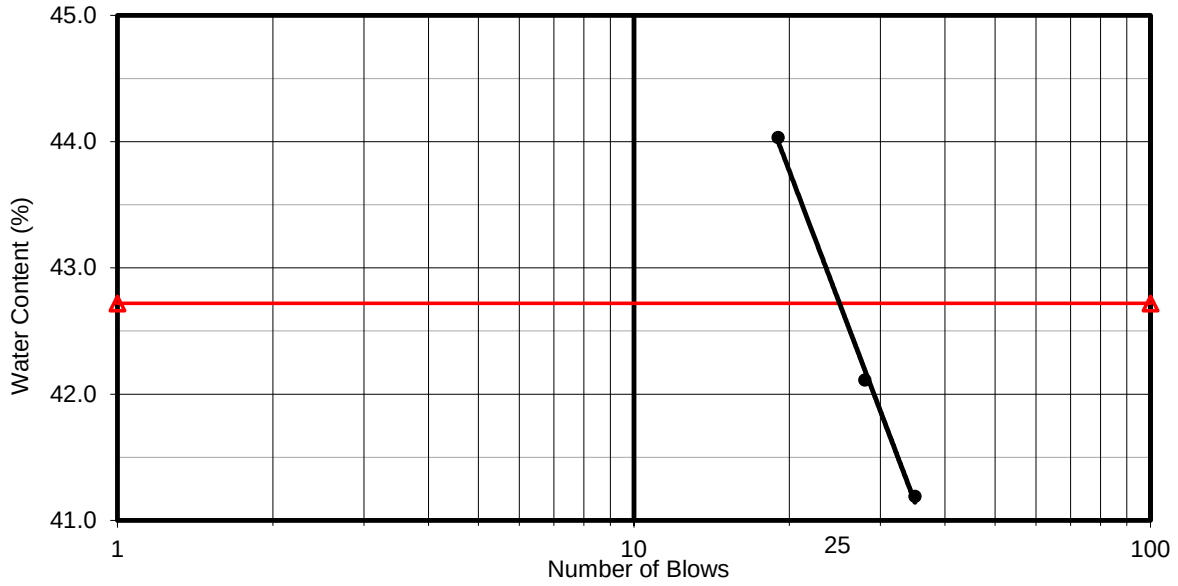
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G43**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36164**
Depth of Sample:	**12.8m - 13.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5	8	9m			X	1A	R1	
NUMBER OF BLOWS	35	28	19			X	X	X	X
MASS WET SOIL + TARE (g)	18.15	18.07	17.78			601.22	25.27	25.35	
MASS DRY SOIL + TARE (g)	14.97	14.84	14.57			520.60	23.30	23.36	
MASS OF WATER (g)	3.18	3.23	3.21			80.62	1.97	1.99	
MASS OF CONTAINER (g)	7.25	7.17	7.28			315.01	13.92	13.85	
MASS OF DRY SOIL (g)	7.72	7.67	7.29			205.59	9.38	9.51	
WATER CONTENT W (%)	41.2	42.1	44.0			39.2	21.0	20.9	

LIQUID LIMIT (%)	**42.7**
PLASTIC LIMIT (%)	**21.0**
PLASTICITY INDEX (%)	**21.8**
W NATURAL (%)	**39.2**
LIQUIDITY INDEX	**0.84**



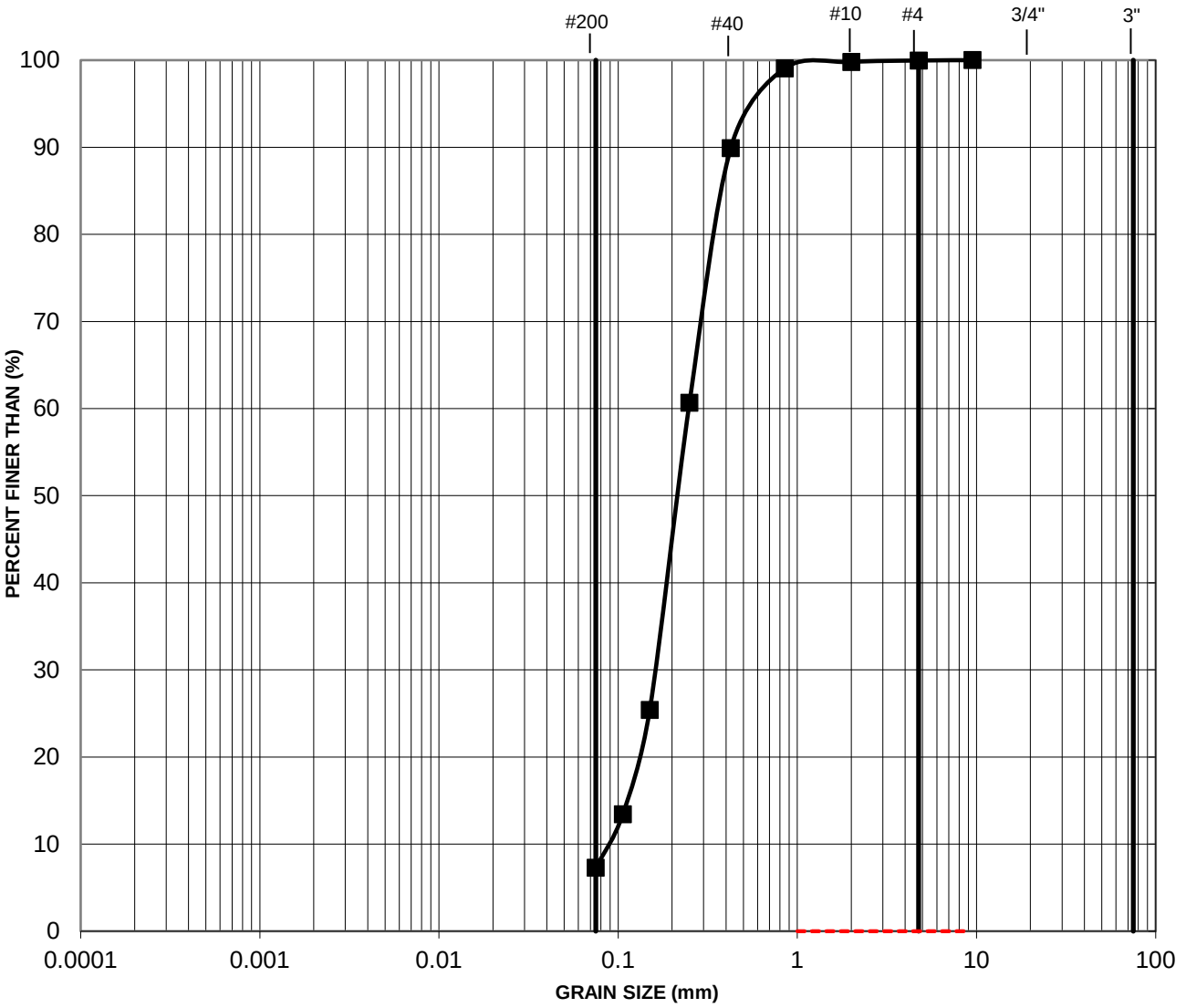
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-08	36165	16.8m - 17.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

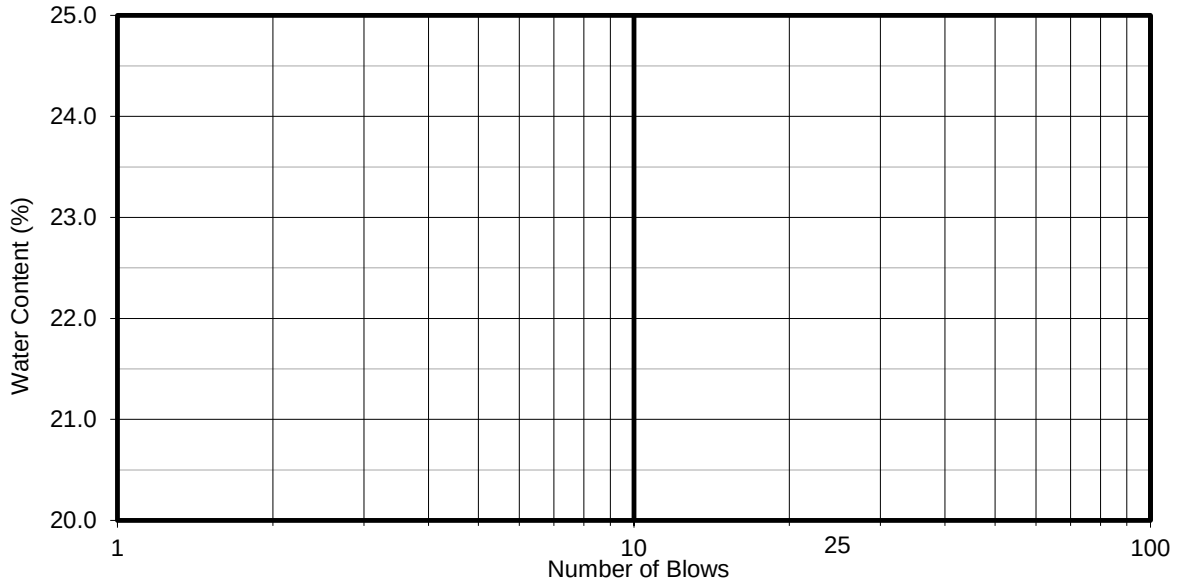
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**EG**
Lab Number:	**G44**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36165**
Depth of Sample:	**16.8m - 17.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1796.11			
MASS DRY SOIL + TARE (g)						1546.70			
MASS OF WATER (g)						249.41			
MASS OF CONTAINER (g)						308.44			
MASS OF DRY SOIL (g)						1238.26			
WATER CONTENT W (%)						20.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



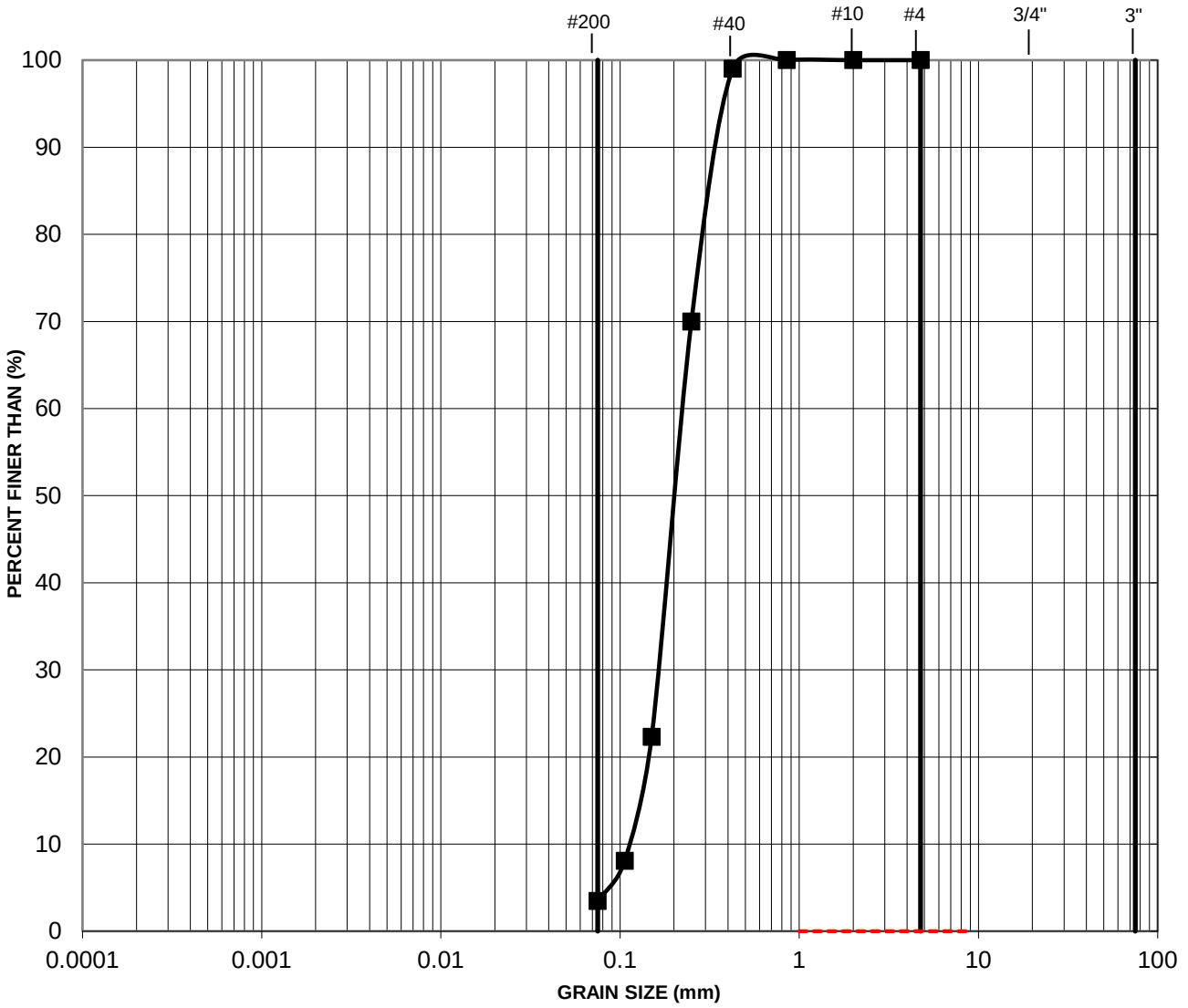
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36171	29.0m - 29.3m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

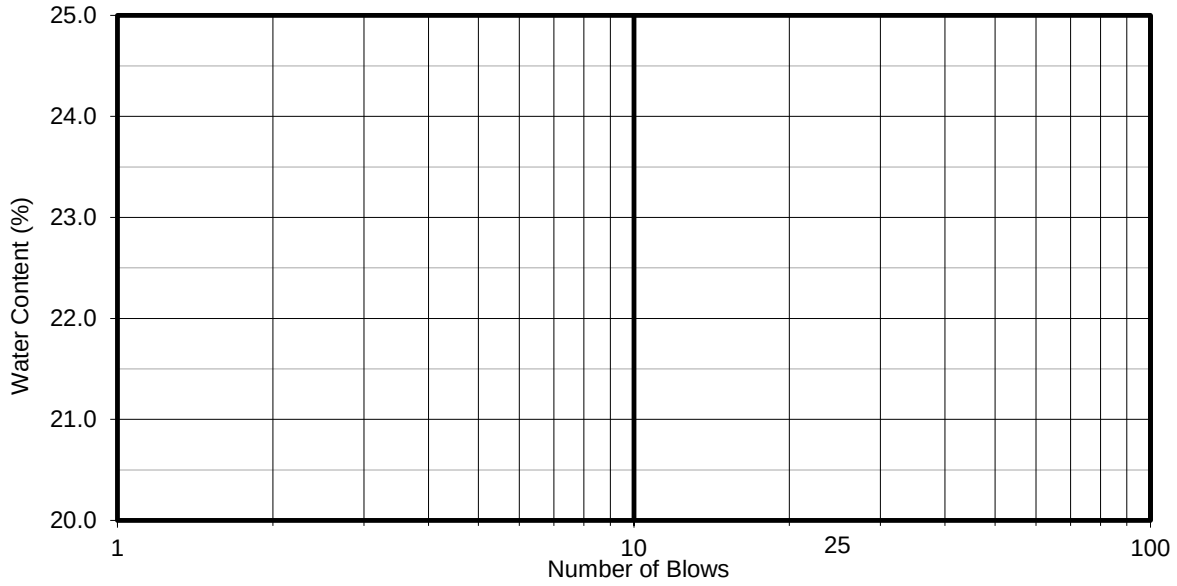
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G45**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36171**
Depth of Sample:	**29.0**m **- 29.3m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1762.46			
MASS DRY SOIL + TARE (g)						1518.15			
MASS OF WATER (g)						244.31			
MASS OF CONTAINER (g)						324.82			
MASS OF DRY SOIL (g)						1193.33			
WATER CONTENT W (%)						20.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



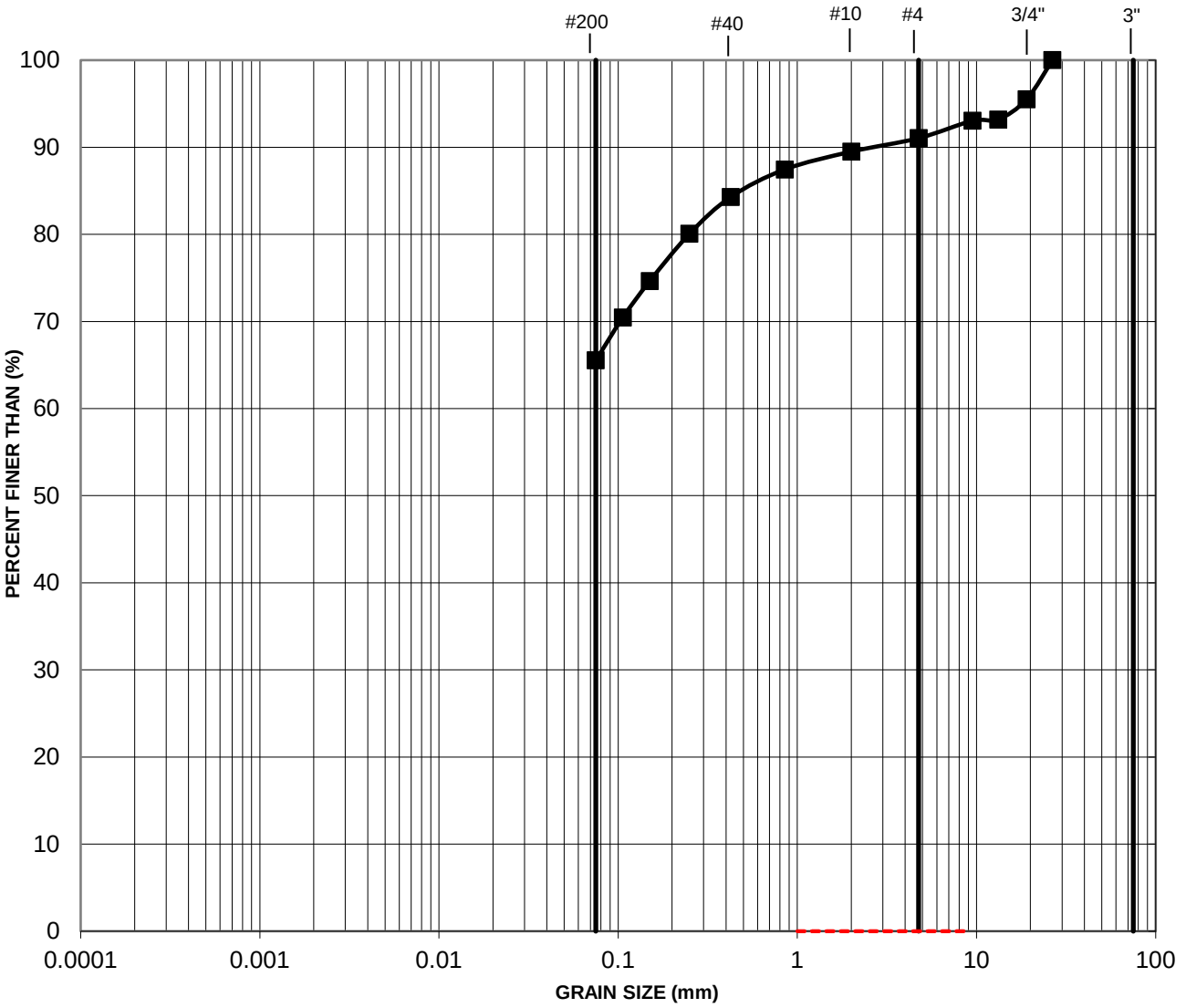
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36174	34.7m - 35.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

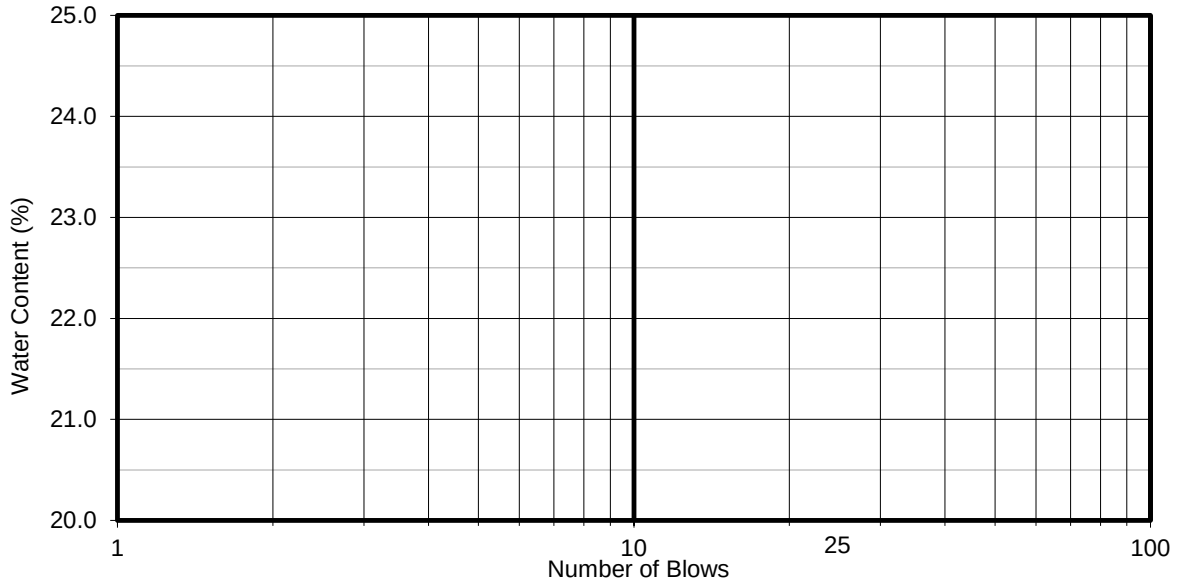
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**EG**
Lab Number:	**G46**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36174**
Depth of Sample:	**34.7m - 35.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1480.63			
MASS DRY SOIL + TARE (g)						1358.72			
MASS OF WATER (g)						121.91			
MASS OF CONTAINER (g)						326.47			
MASS OF DRY SOIL (g)						1032.25			
WATER CONTENT W (%)						11.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



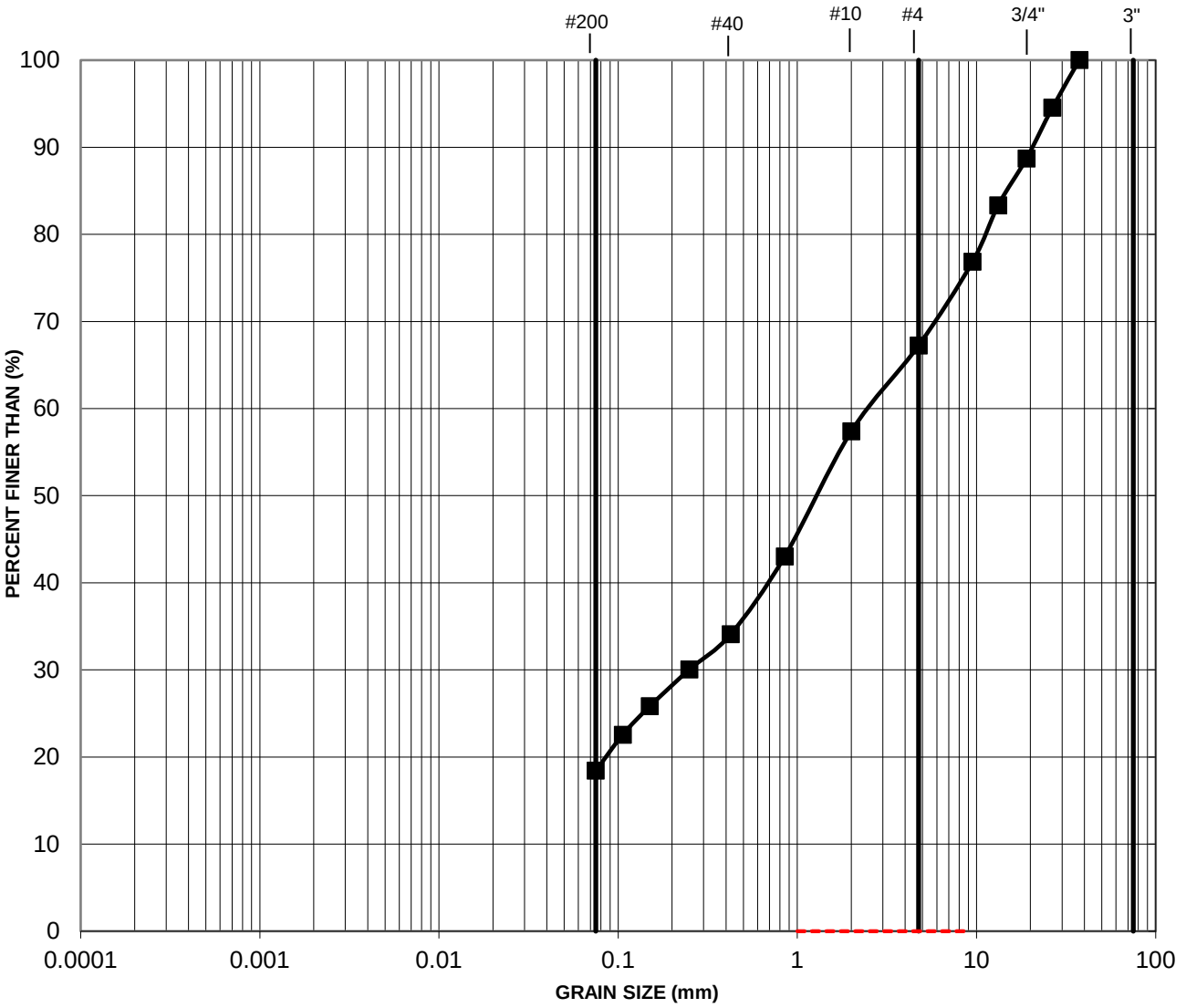
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-08	36176	41.1m - 41.5m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

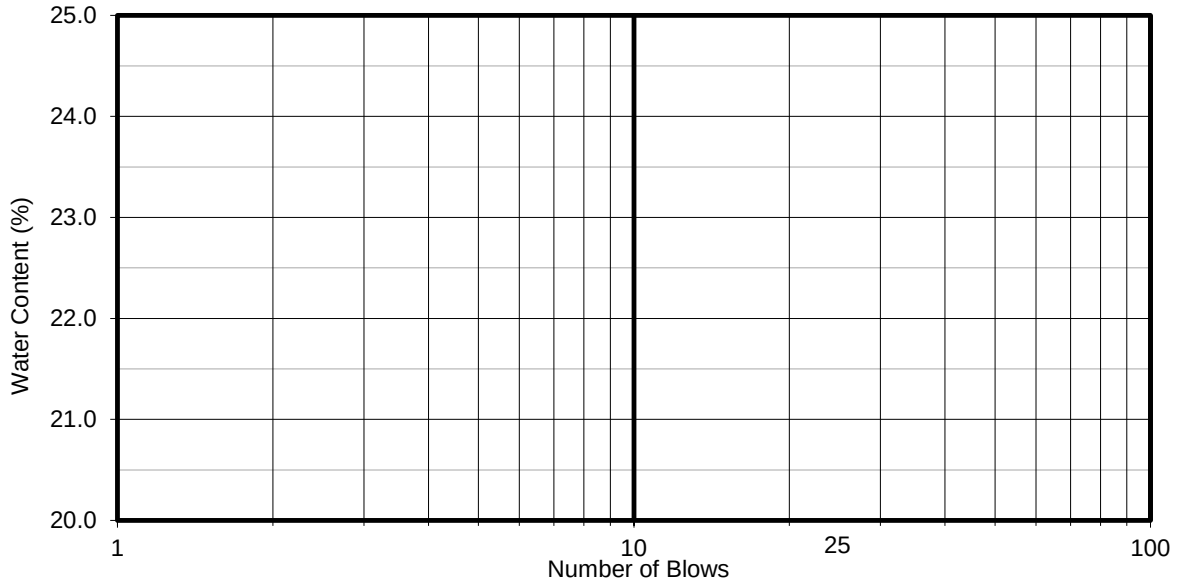
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**EG**
Lab Number:	**G47**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36176**
Depth of Sample:	**41.1m - 41.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						2733.11			
MASS DRY SOIL + TARE (g)						2579.08			
MASS OF WATER (g)						154.03			
MASS OF CONTAINER (g)						344.93			
MASS OF DRY SOIL (g)						2234.15			
WATER CONTENT W (%)						6.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



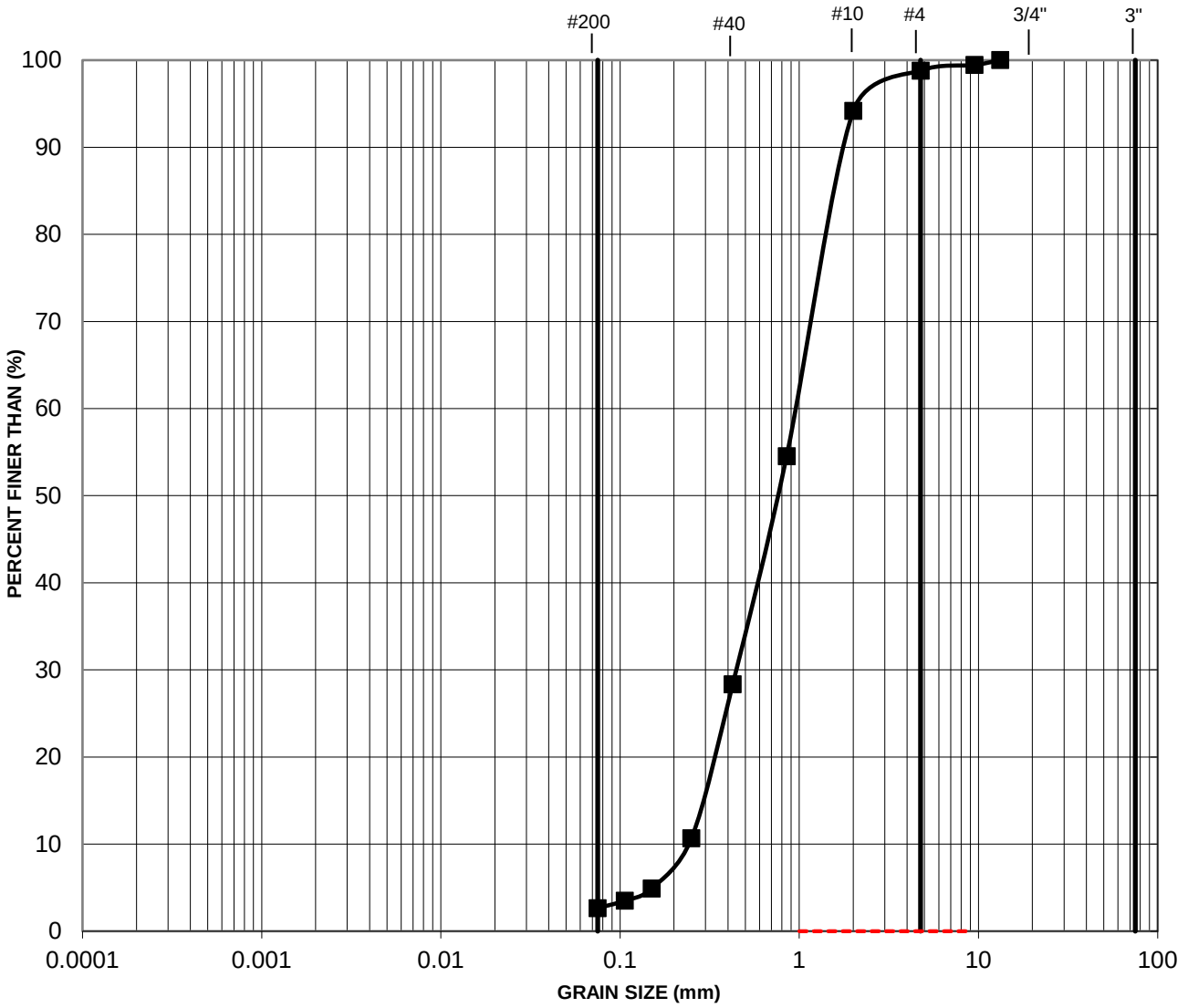
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-08	36178	45.1m - 45.7m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

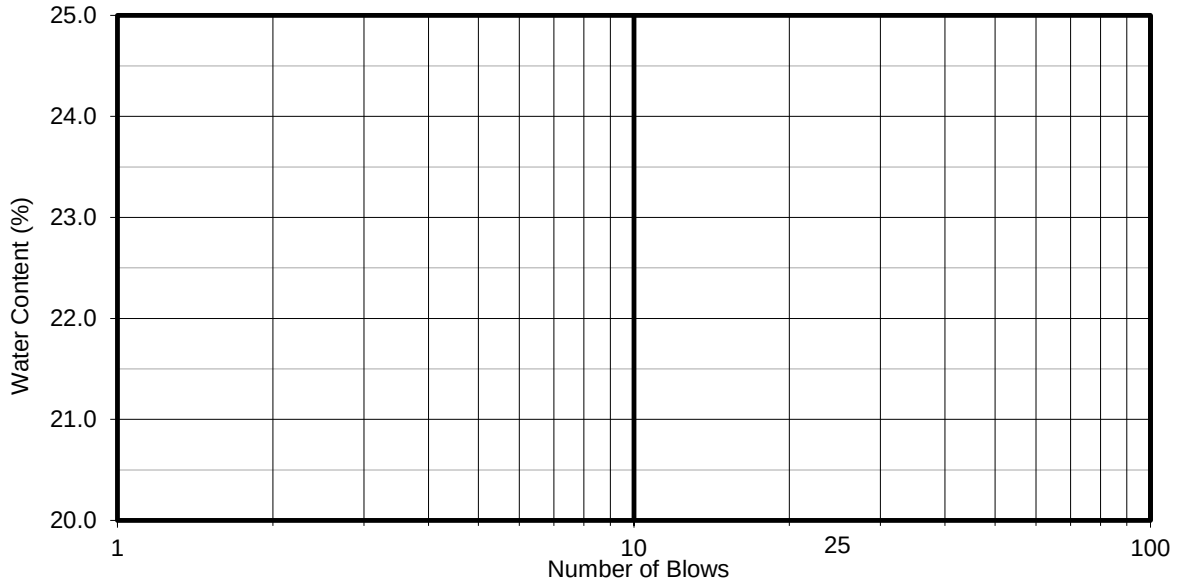
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 9, 2022**
Technician:	**HAB**
Lab Number:	**G48**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36178**
Depth of Sample:	**45.1m - 45.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						703.49			
MASS DRY SOIL + TARE (g)						641.38			
MASS OF WATER (g)						62.11			
MASS OF CONTAINER (g)						242.90			
MASS OF DRY SOIL (g)						398.48			
WATER CONTENT W (%)						15.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

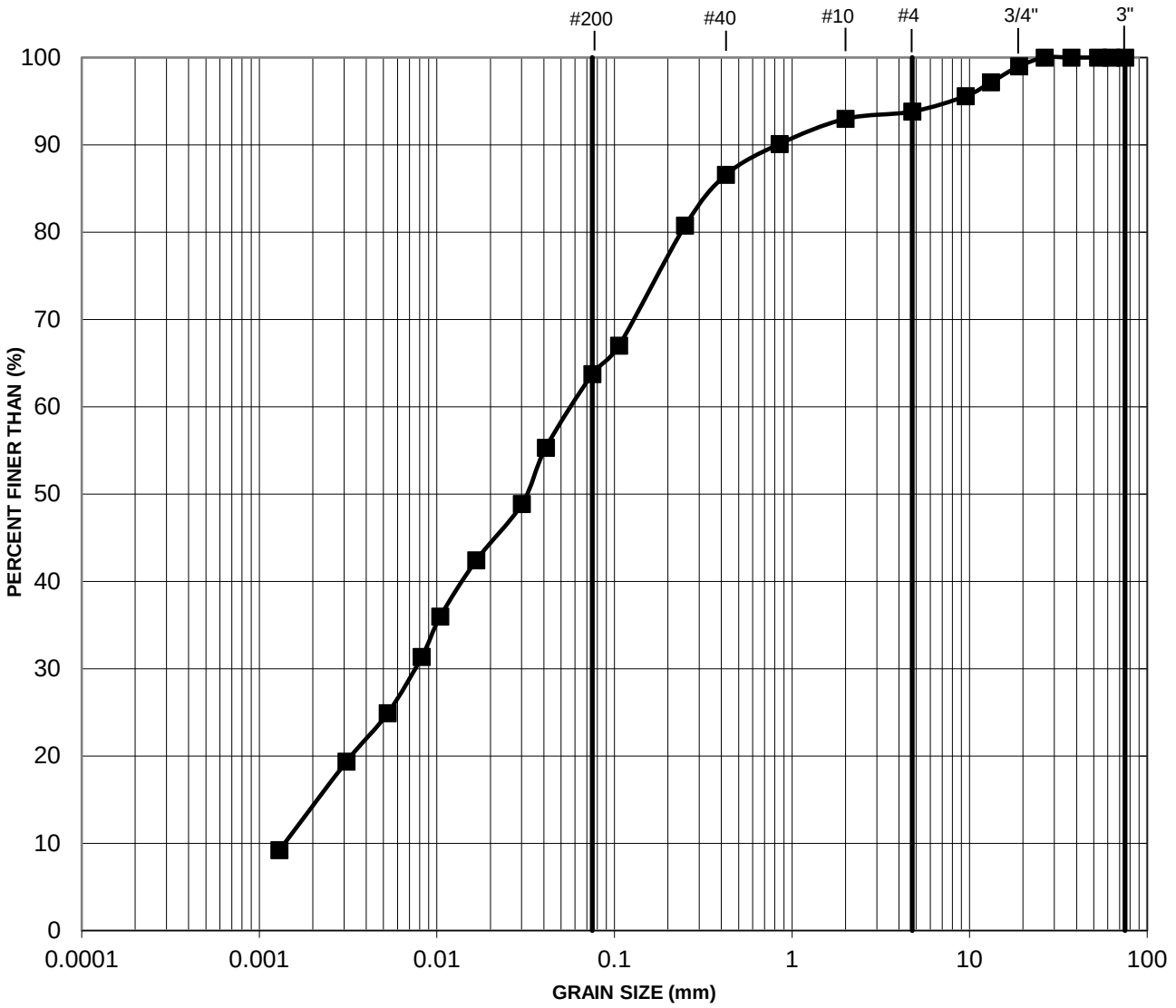


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36179	46.9m - 47.2m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

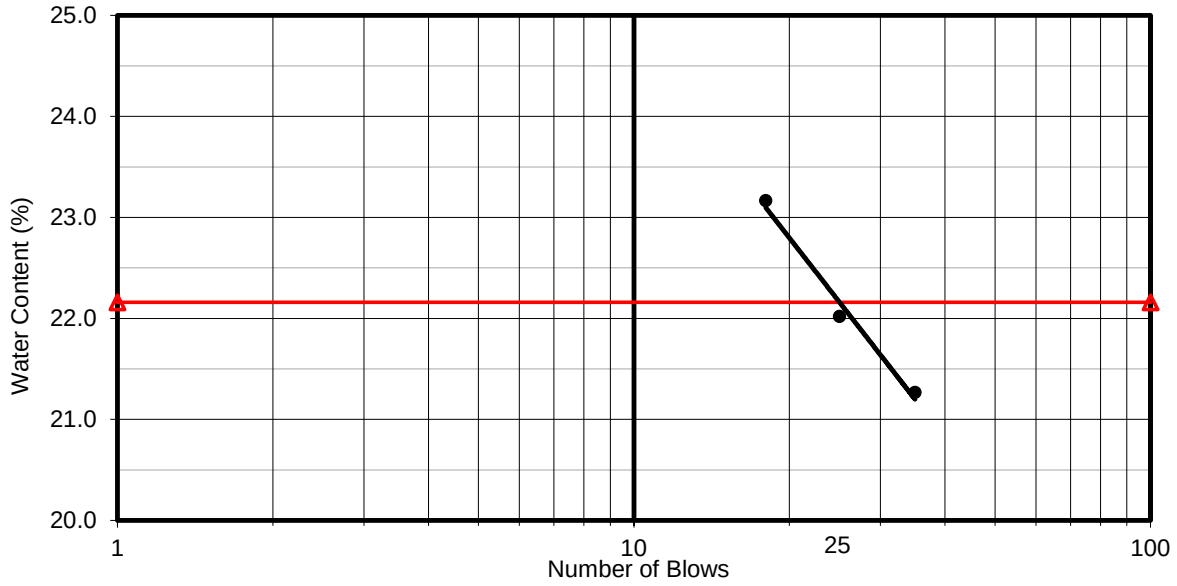
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G49**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36179**
Depth of Sample:	**46.9m - 47.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	40	34	403			X	34	37	
NUMBER OF BLOWS	18	25	35			X	X	X	X
MASS WET SOIL + TARE (g)	26.91	26.44	26.69			2376.41	35.62	37.35	
MASS DRY SOIL + TARE (g)	23.94	23.65	23.94			2241.18	33.95	35.56	
MASS OF WATER (g)	2.97	2.79	2.75			135.23	1.67	1.79	
MASS OF CONTAINER (g)	11.12	10.98	11.01			243.64	20.95	21.56	
MASS OF DRY SOIL (g)	12.82	12.67	12.93			1997.54	13.00	14.00	
WATER CONTENT W (%)	23.2	22.0	21.3			6.8	12.8	12.8	

LIQUID LIMIT (%)	**22.2**
PLASTIC LIMIT (%)	**12.8**
PLASTICITY INDEX (%)	**9.3**
W NATURAL (%)	**6.8**
LIQUIDITY INDEX	**-0.65**



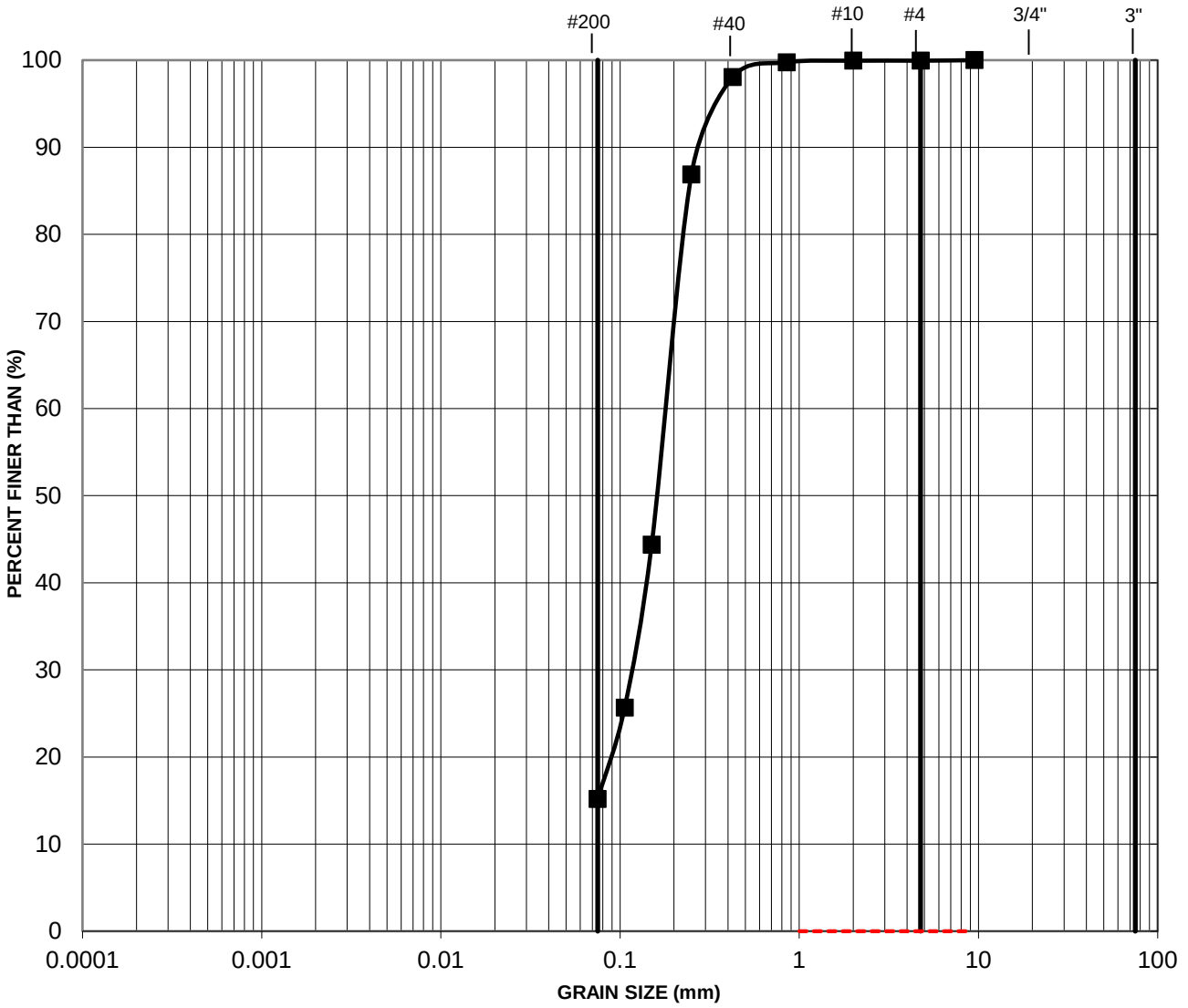
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36183	67.1m - 67.4m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

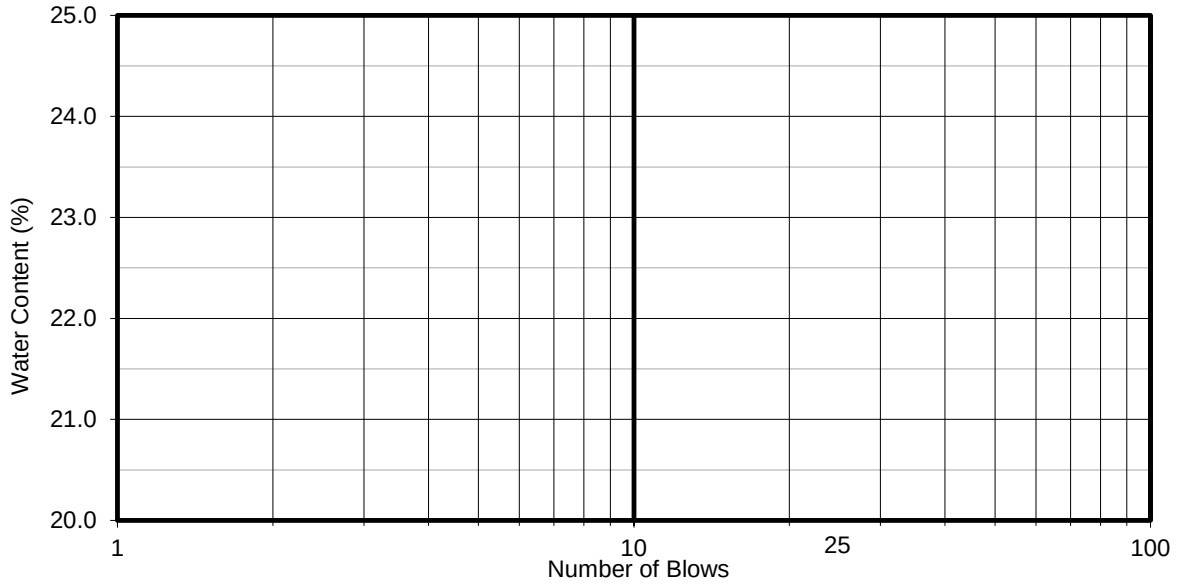
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G50**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36183**
Depth of Sample:	**67.1m - 67.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1438.12			
MASS DRY SOIL + TARE (g)						1282.68			
MASS OF WATER (g)						155.44			
MASS OF CONTAINER (g)						326.41			
MASS OF DRY SOIL (g)						956.27			
WATER CONTENT W (%)						16.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



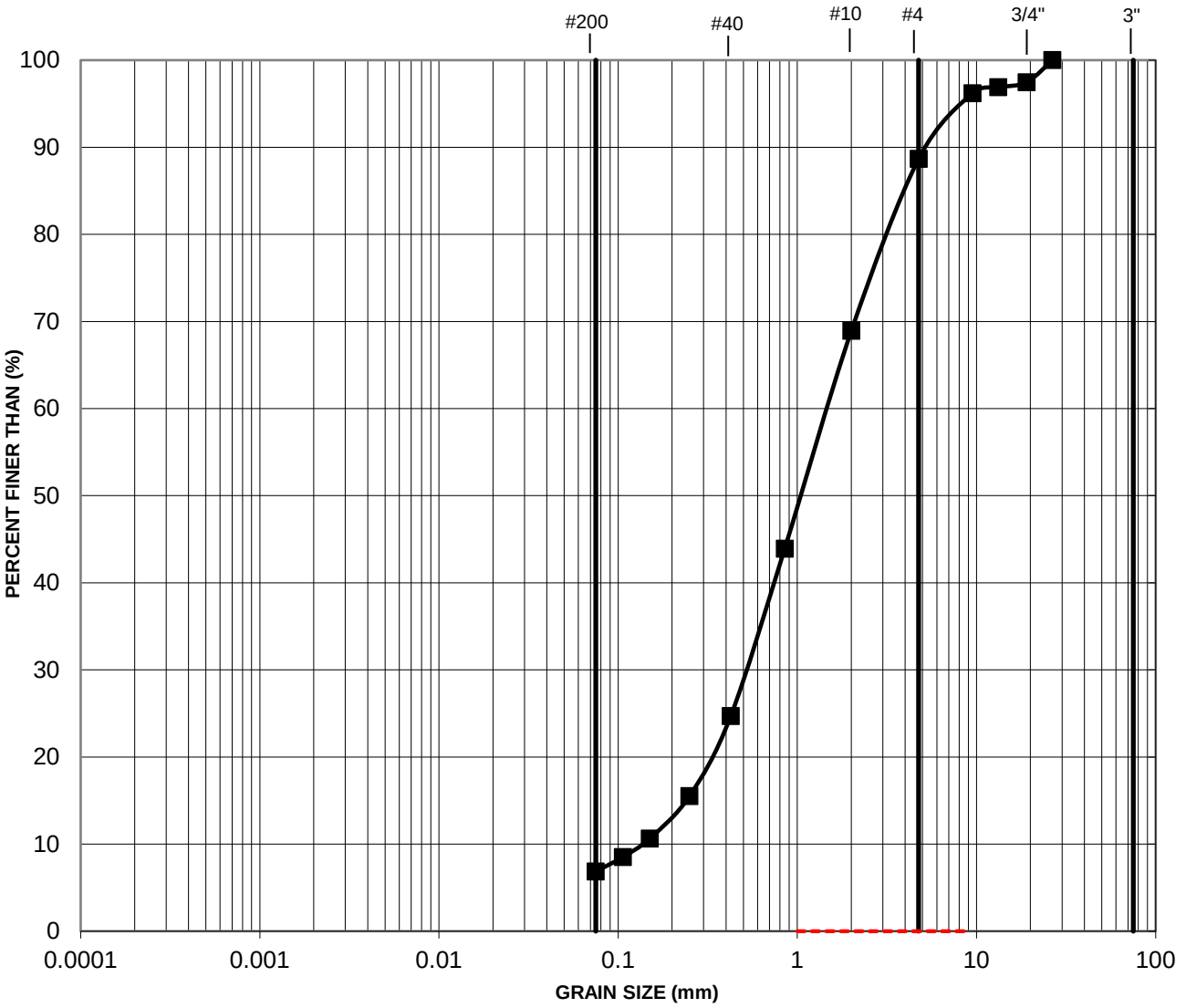
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-08	36185	82.6m - 82.9m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

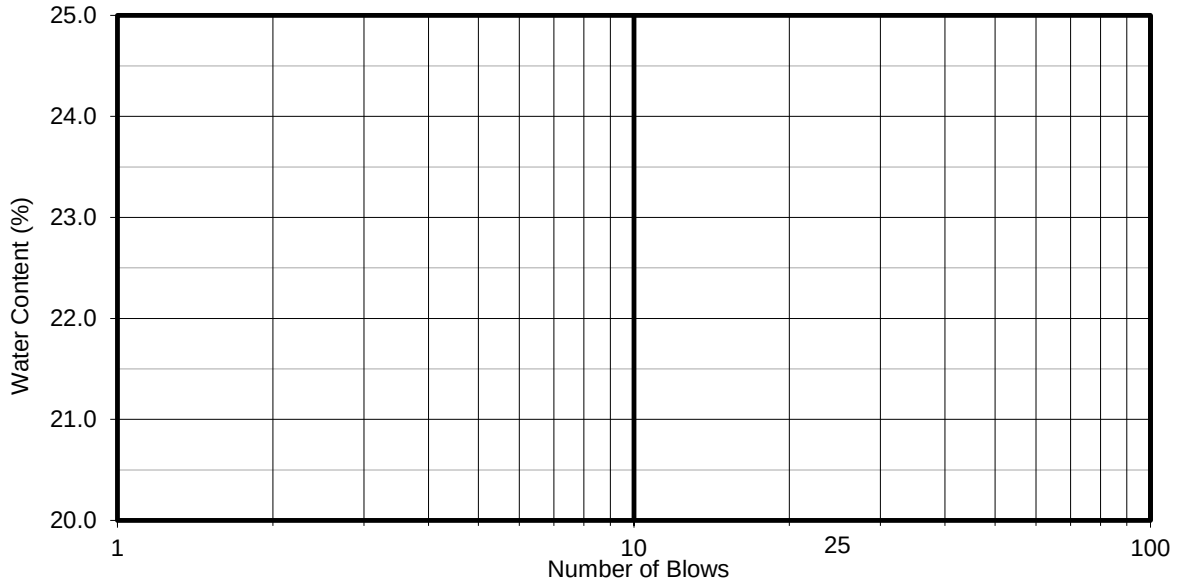
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G51**
Borehole:	**SRK21-OP-BD-08**
Sample Number:	**36185**
Depth of Sample:	**82.6m - 82.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1814.97			
MASS DRY SOIL + TARE (g)						1690.46			
MASS OF WATER (g)						124.51			
MASS OF CONTAINER (g)						310.83			
MASS OF DRY SOIL (g)						1379.63			
WATER CONTENT W (%)						9.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

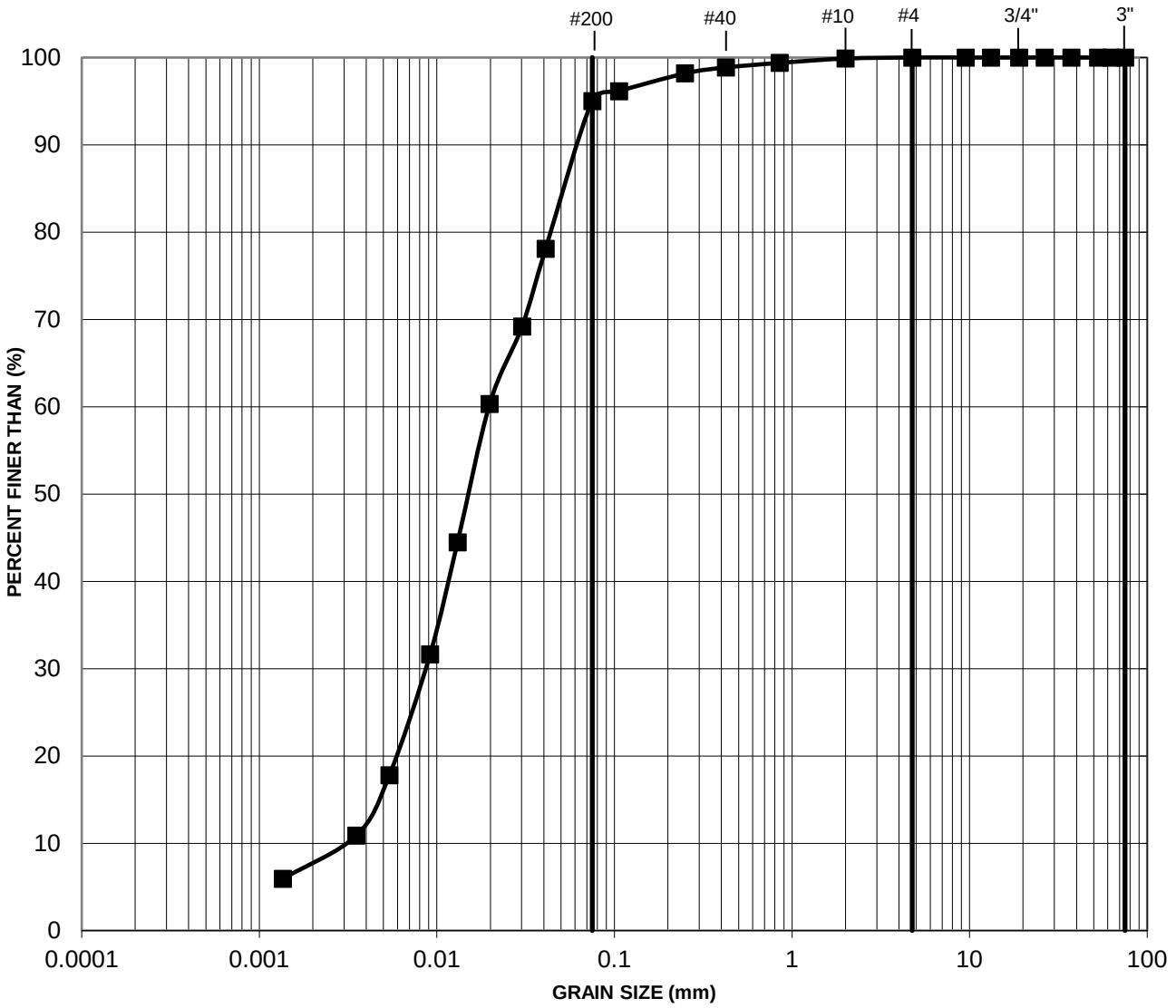


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-03	36186	1.8m - 2.1m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

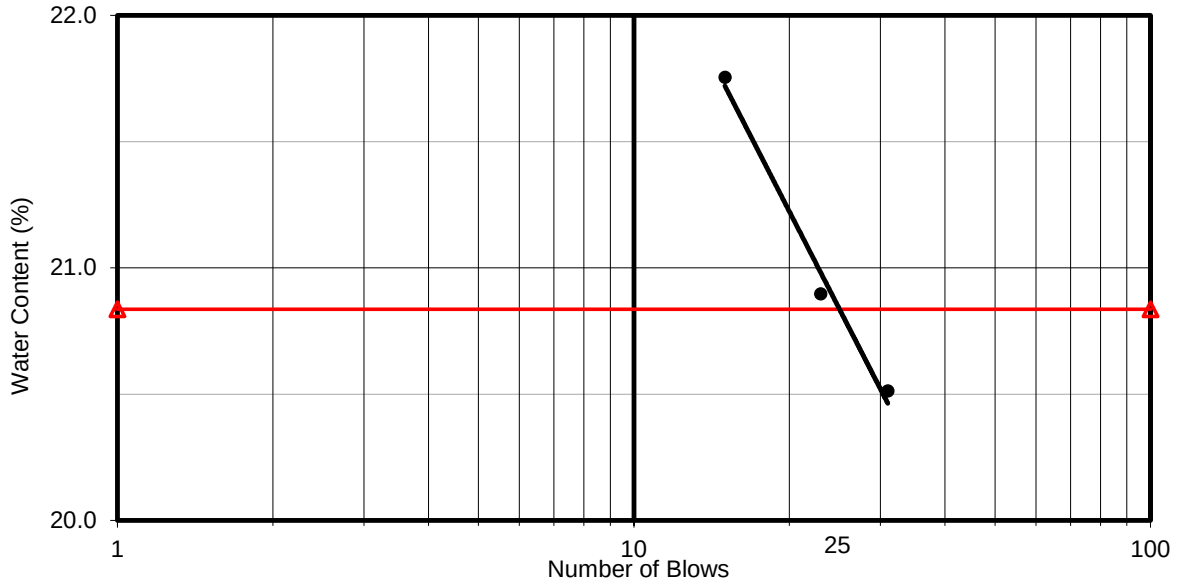
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 8, 2022**
Technician:	**HAB**
Lab Number:	**G52**
Borehole:	**SRK21-OP-BD-03**
Sample Number:	**36186**
Depth of Sample:	**1.8m - 2.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7	r7	r23l			**X**	6m	10m	
NUMBER OF BLOWS	15	23	31			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.25	17.47	17.58			592.91	27.29	26.85	
MASS DRY SOIL + TARE (g)	15.44	15.70	15.82			549.31	25.27	24.91	
MASS OF WATER (g)	1.81	1.77	1.76			43.60	2.02	1.94	
MASS OF CONTAINER (g)	7.12	7.23	7.24			315.11	13.92	13.85	
MASS OF DRY SOIL (g)	8.32	8.47	8.58			234.20	11.35	11.06	
WATER CONTENT W (%)	21.8	20.9	20.5			18.6	17.8	17.5	

LIQUID LIMIT (%)	**20.8**
PLASTIC LIMIT (%)	**17.7**
PLASTICITY INDEX (%)	**3.2**
W NATURAL (%)	**18.6**
LIQUIDITY INDEX	**0.30**



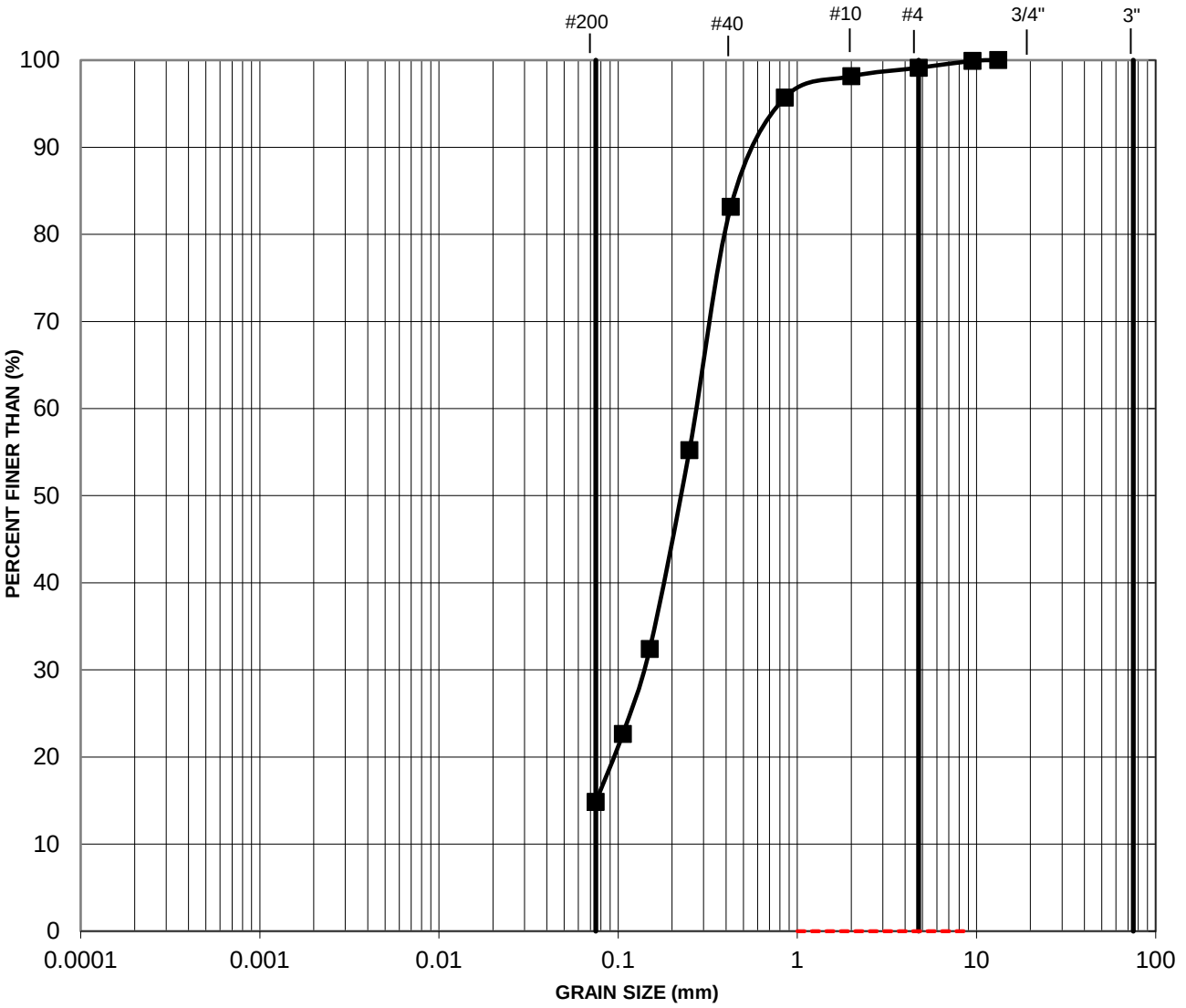
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-03	36197	23.7m - 24.4m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

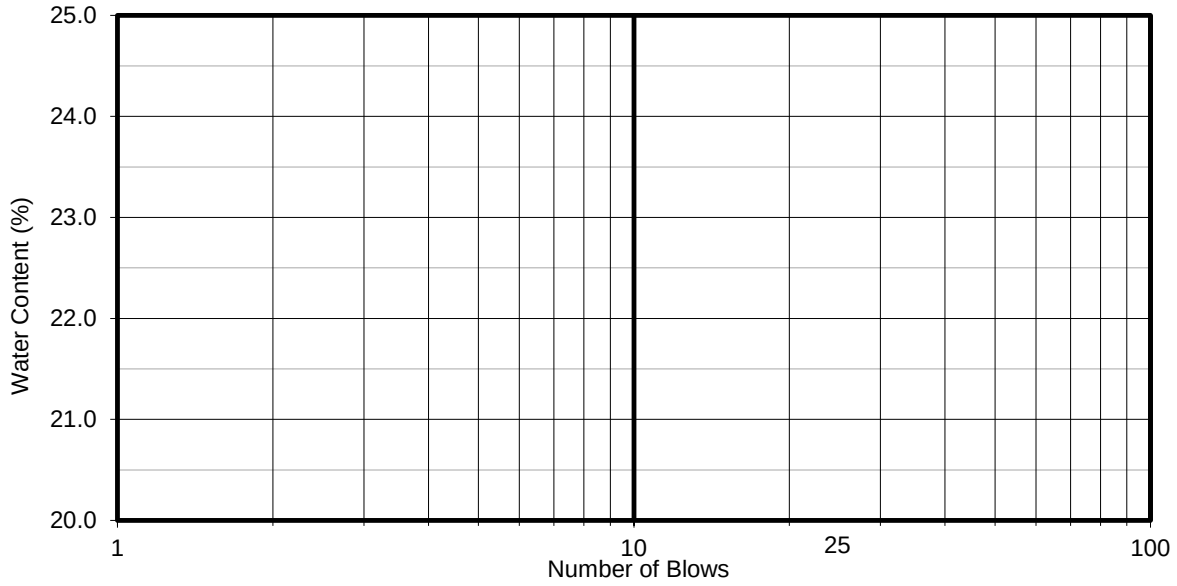
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G55**
Borehole:	**SRK21-OP-BD-03**
Sample Number:	**36197**
Depth of Sample:	**23.8m - 24.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1652.89			
MASS DRY SOIL + TARE (g)						1475.98			
MASS OF WATER (g)						176.91			
MASS OF CONTAINER (g)						234.68			
MASS OF DRY SOIL (g)						1241.30			
WATER CONTENT W (%)						14.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



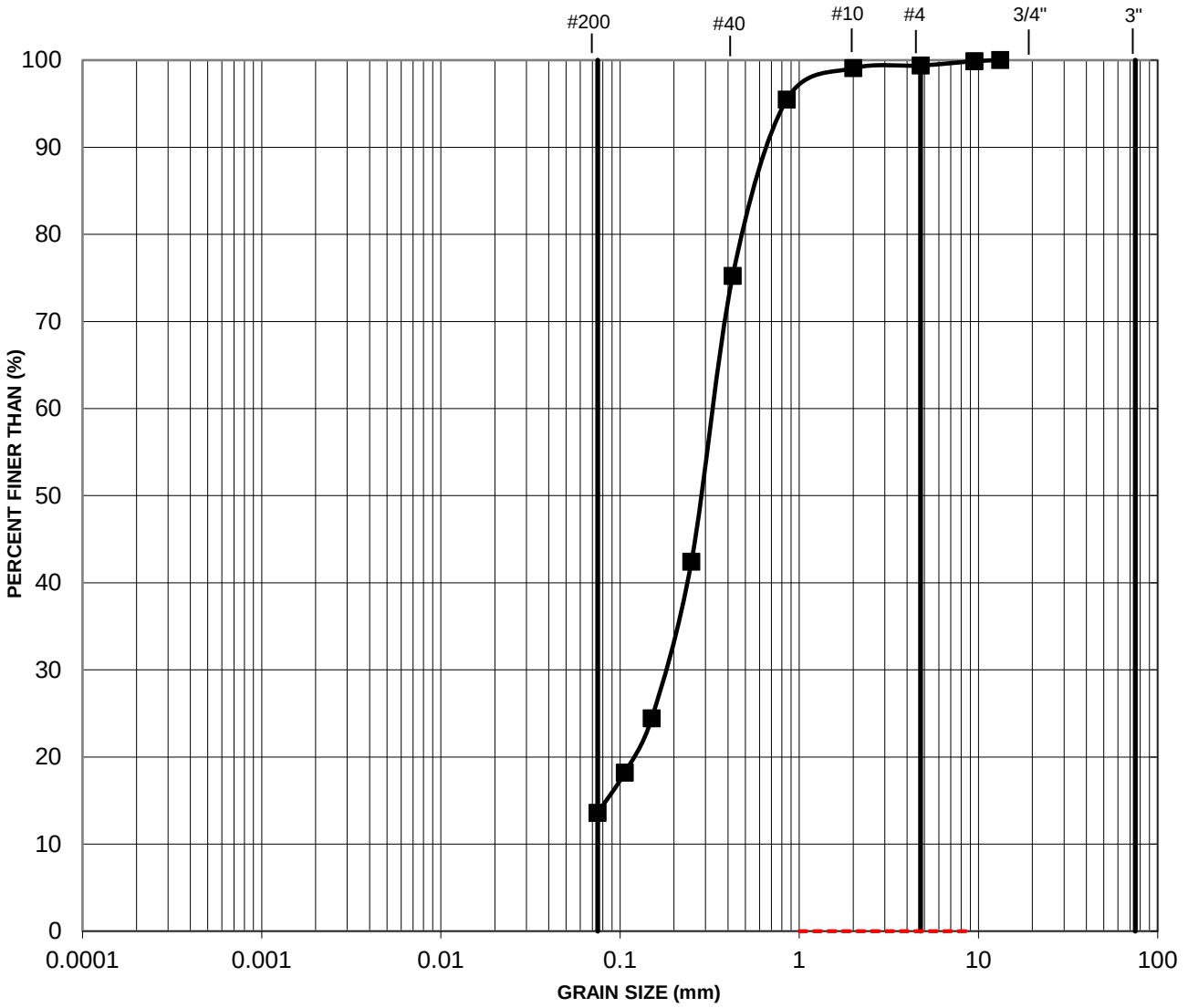
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-03	36200	29.9m - 30.5m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

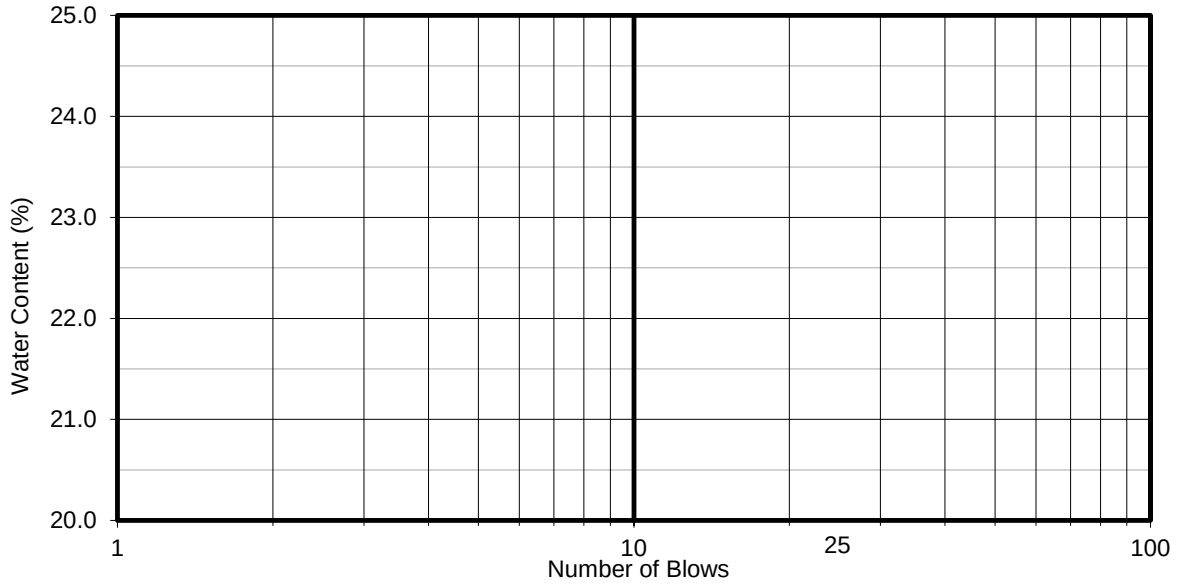
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G56**
Borehole:	**SRK21-OP-BD-03**
Sample Number:	**36200**
Depth of Sample:	**29.9m - 30.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1967.70			
MASS DRY SOIL + TARE (g)						1793.42			
MASS OF WATER (g)						174.28			
MASS OF CONTAINER (g)						241.84			
MASS OF DRY SOIL (g)						1551.58			
WATER CONTENT W (%)						11.2			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



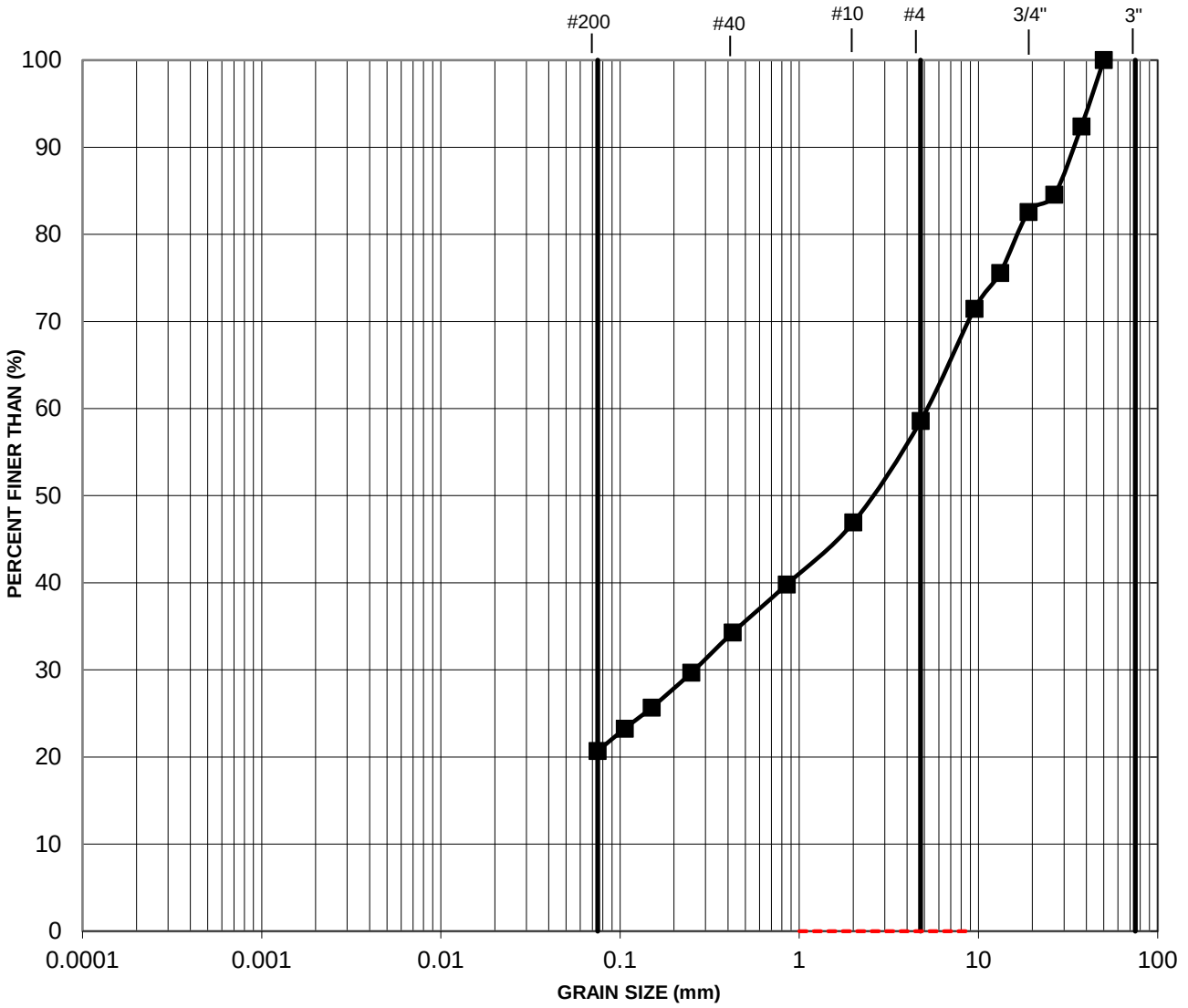
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-03	35151	33.5m - 33.8m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

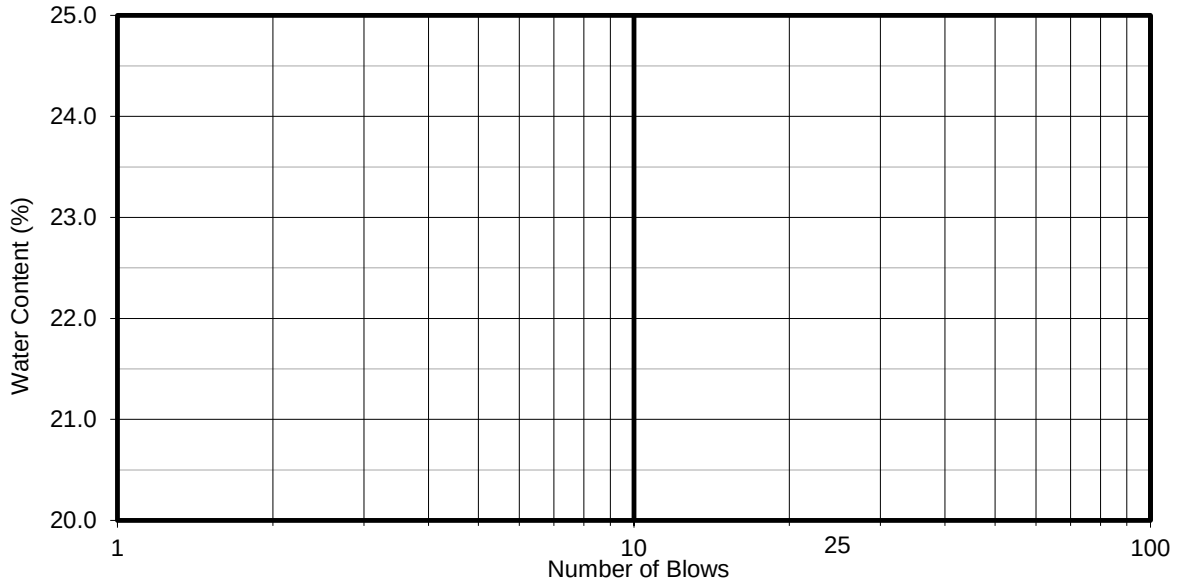
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G57**
Borehole:	**SRK21-OP-BD-03**
Sample Number:	**35151**
Depth of Sample:	**33.6m - 33.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						2091.42			
MASS DRY SOIL + TARE (g)						1989.24			
MASS OF WATER (g)						102.18			
MASS OF CONTAINER (g)						340.86			
MASS OF DRY SOIL (g)						1648.38			
WATER CONTENT W (%)						6.2			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

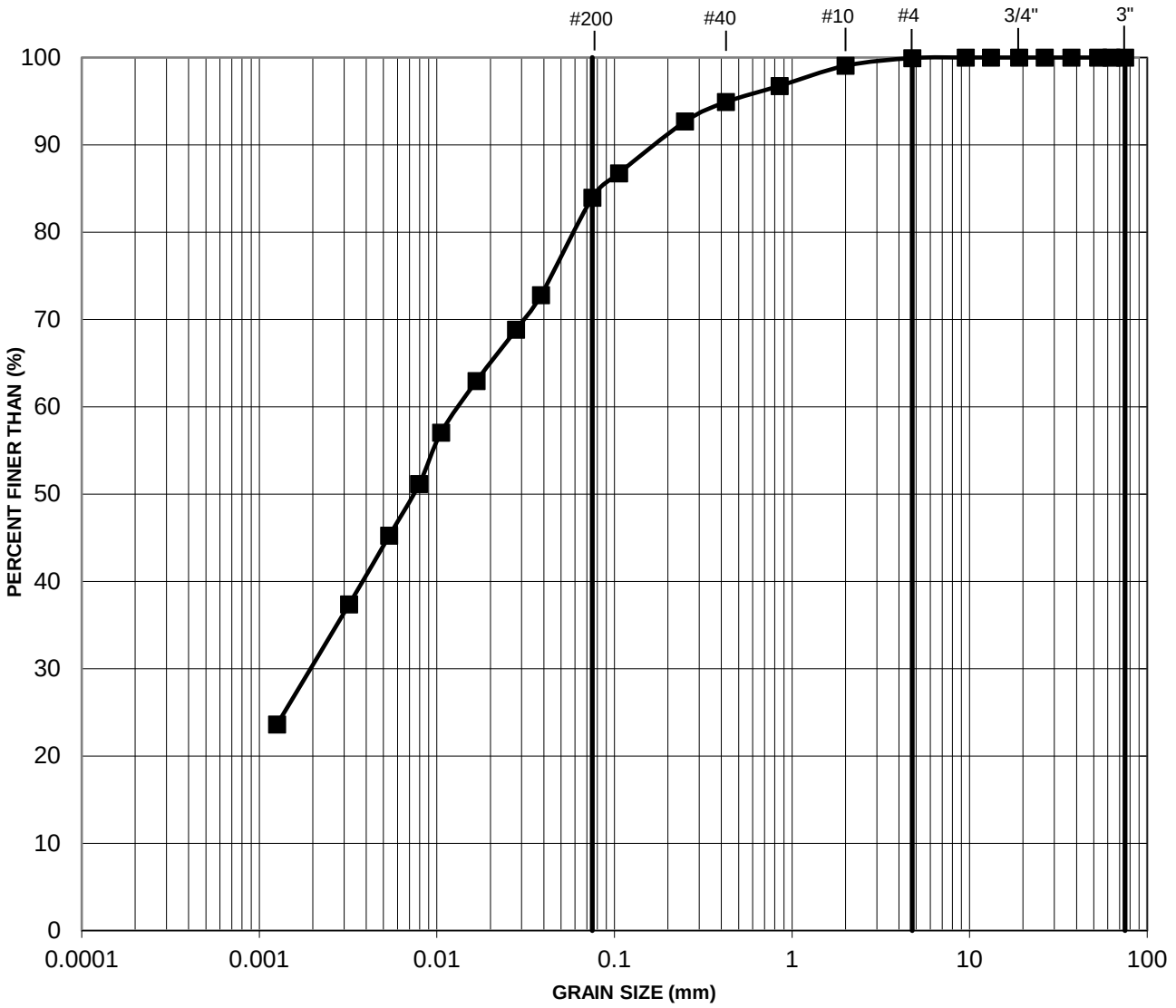


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-05	35152	4.9m - 5.2m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

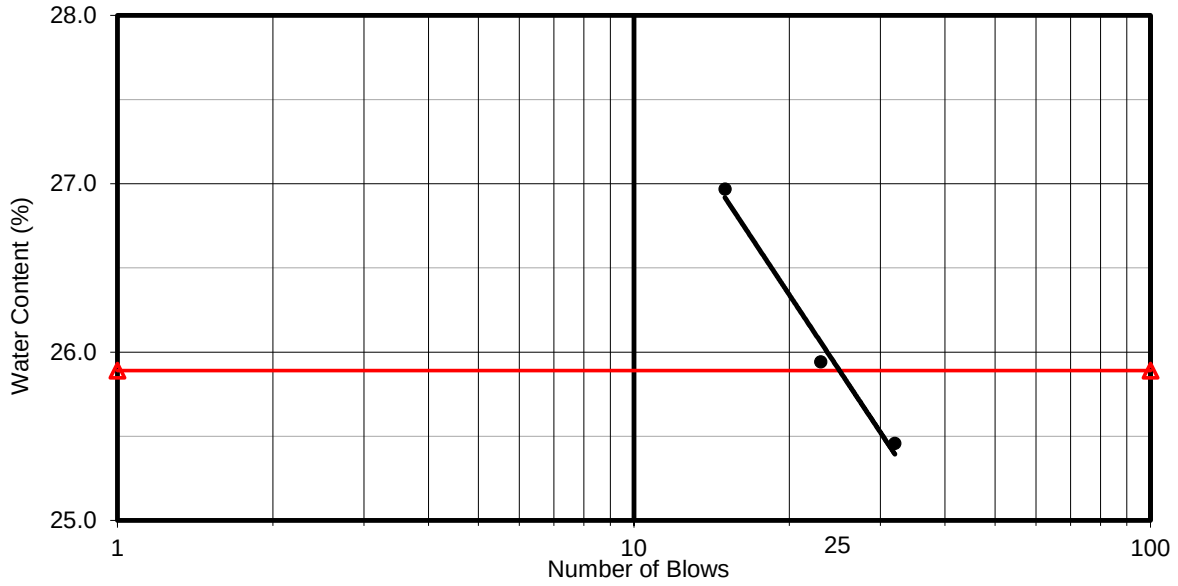
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G58**
Borehole:	**SRK21-OP-BH-05**
Sample Number:	**35152**
Depth of Sample:	**4.9m - 5.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r7	r13l	r20			**X**	23	28	
NUMBER OF BLOWS	32	23	15			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.16	18.98	19.03			846.59	33.06	33.41	
MASS DRY SOIL + TARE (g)	15.94	16.57	16.53			767.73	31.48	31.81	
MASS OF WATER (g)	2.22	2.41	2.50			78.86	1.58	1.60	
MASS OF CONTAINER (g)	7.22	7.28	7.26			326.32	20.91	21.05	
MASS OF DRY SOIL (g)	8.72	9.29	9.27			441.41	10.57	10.76	
WATER CONTENT W (%)	25.5	25.9	27.0			17.9	14.9	14.9	

LIQUID LIMIT (%)	**25.9**
PLASTIC LIMIT (%)	**14.9**
PLASTICITY INDEX (%)	**11.0**
W NATURAL (%)	**17.9**
LIQUIDITY INDEX	**0.27**

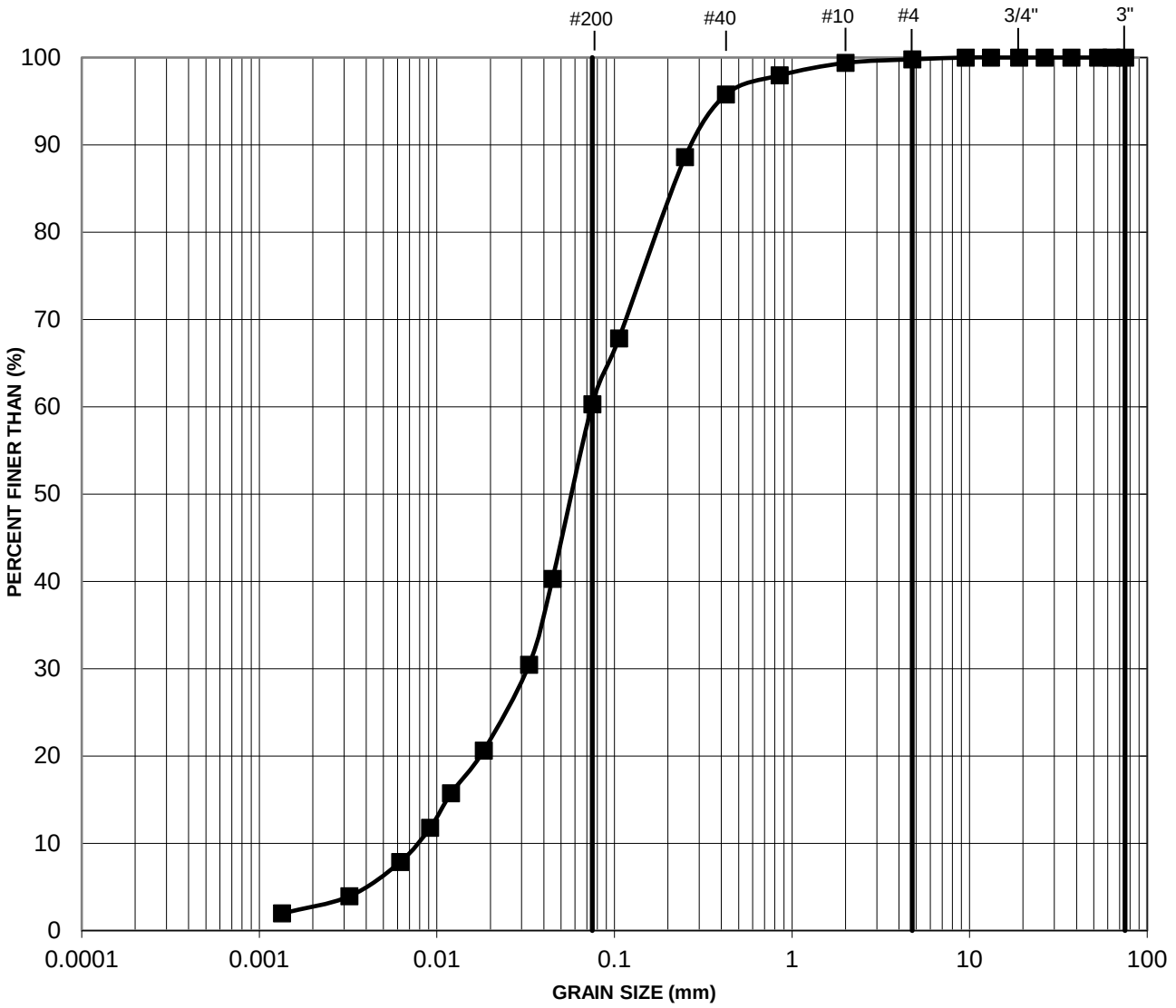


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-05	35155	11.6m - 12.2m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

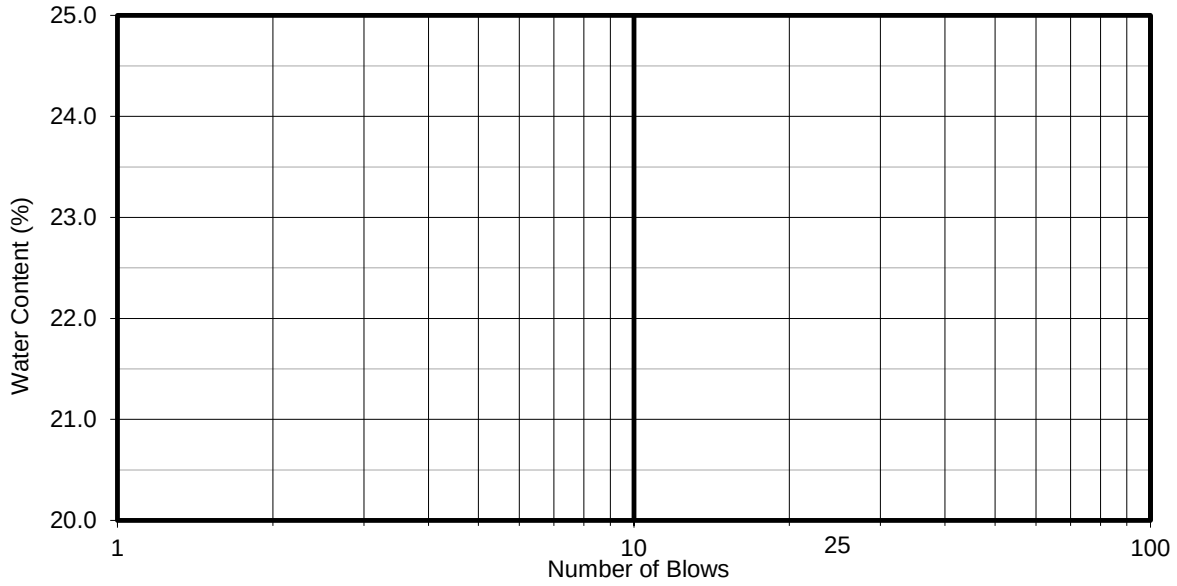
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G59**
Borehole:	**SRK21-OP-BH-05**
Sample Number:	**35155**
Depth of Sample:	**11.6m - 12.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1560.20			
MASS DRY SOIL + TARE (g)						1409.48			
MASS OF WATER (g)						150.72			
MASS OF CONTAINER (g)						248.47			
MASS OF DRY SOIL (g)						1161.01			
WATER CONTENT W (%)						13.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

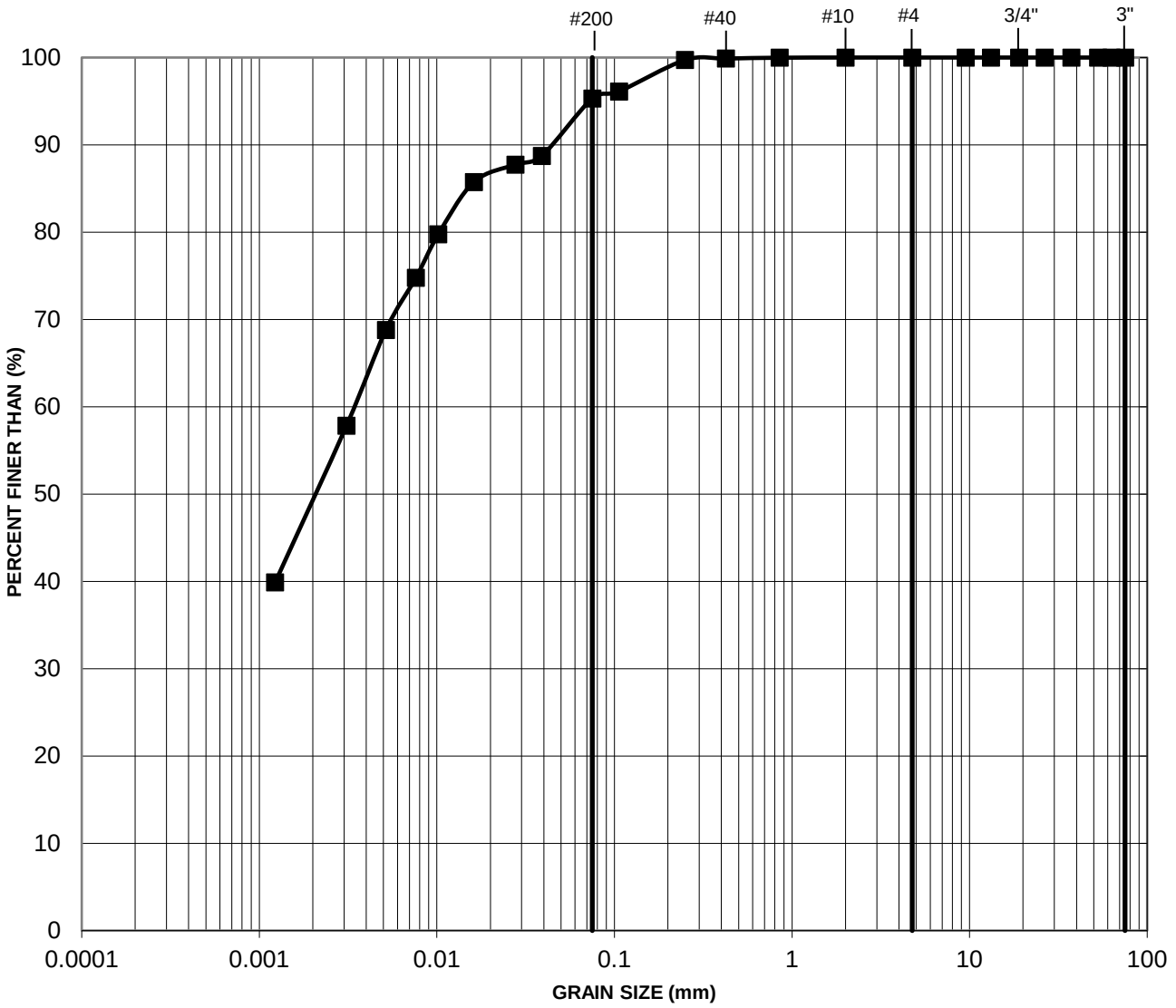


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-05	35156	14.0m - 14.3m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

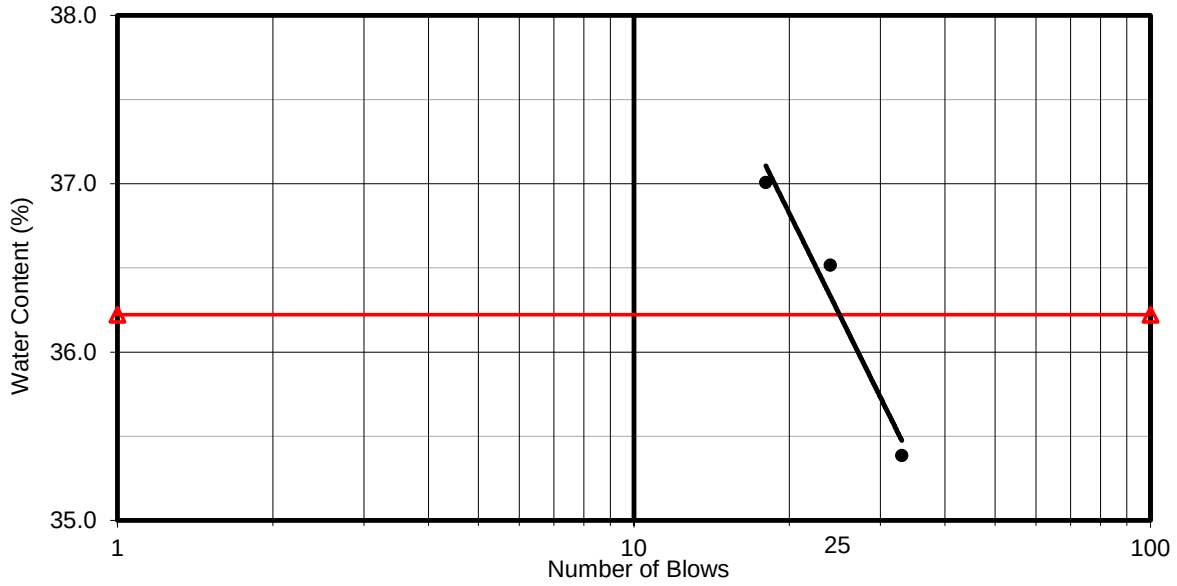
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G60**
Borehole:	**SRK21-OP-BH-05**
Sample Number:	**35156**
Depth of Sample:	**14.0m - 14.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1	3	20m			**X**	65	70	
NUMBER OF BLOWS	33	24	18			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.55	18.47	19.81			840.76	33.25	32.88	
MASS DRY SOIL + TARE (g)	14.85	15.45	16.42			742.85	31.06	30.66	
MASS OF WATER (g)	2.70	3.02	3.39			97.91	2.19	2.22	
MASS OF CONTAINER (g)	7.22	7.18	7.26			304.49	21.53	21.13	
MASS OF DRY SOIL (g)	7.63	8.27	9.16			438.36	9.53	9.53	
WATER CONTENT W (%)	35.4	36.5	37.0			22.3	23.0	23.3	

LIQUID LIMIT (%)	**36.2**
PLASTIC LIMIT (%)	**23.1**
PLASTICITY INDEX (%)	**13.1**
W NATURAL (%)	**22.3**
LIQUIDITY INDEX	**-0.06**



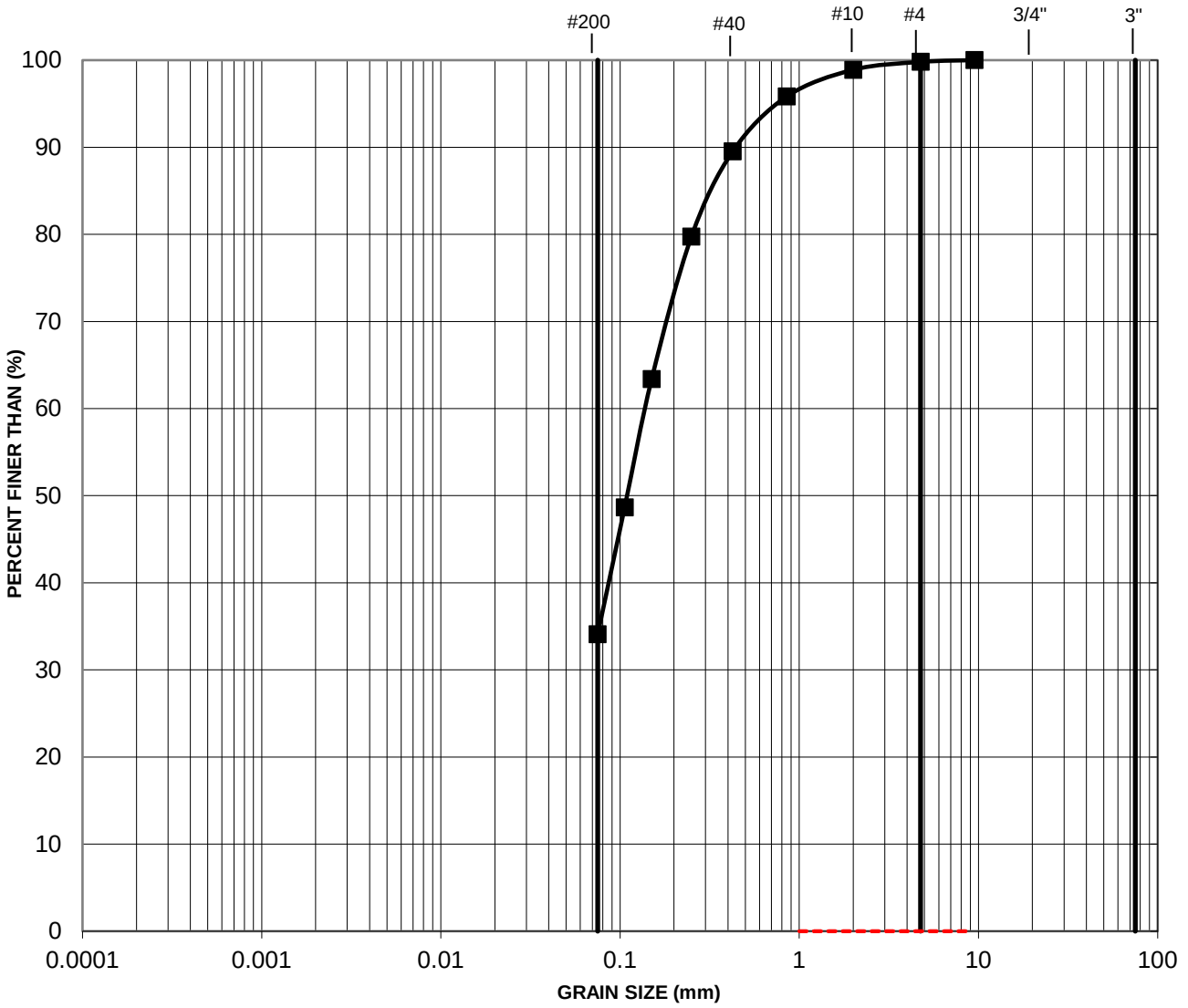
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-05	35157	14.6m - 15.2m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

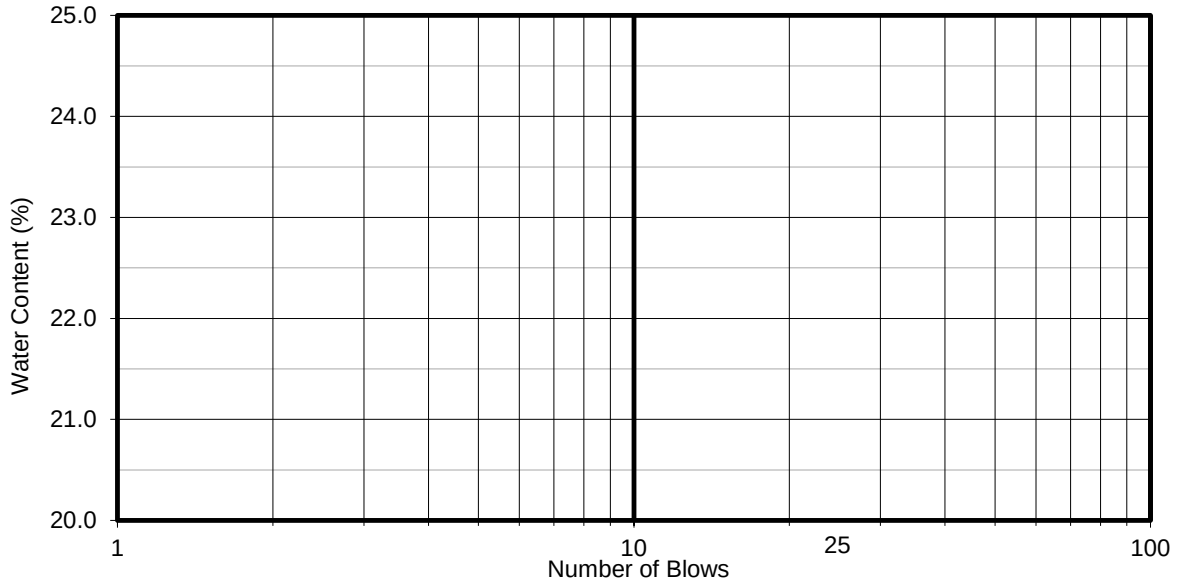
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G61**
Borehole:	**SRK21-OP-BH-05**
Sample Number:	**35157**
Depth of Sample:	**14.6m - 15.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1473.37			
MASS DRY SOIL + TARE (g)						1291.63			
MASS OF WATER (g)						181.74			
MASS OF CONTAINER (g)						247.84			
MASS OF DRY SOIL (g)						1043.79			
WATER CONTENT W (%)						17.4			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

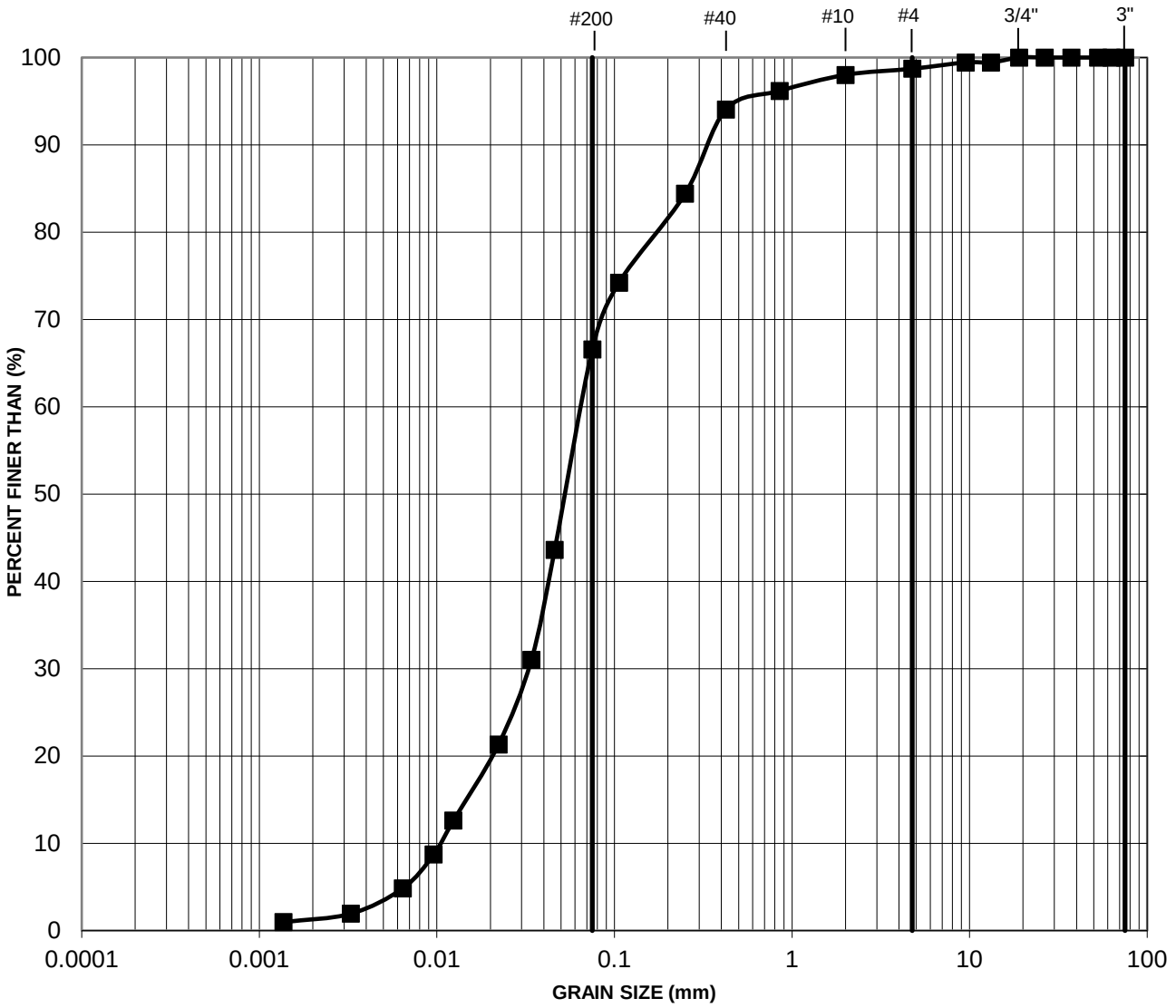


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-05	35159	20.7m - 21.3m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

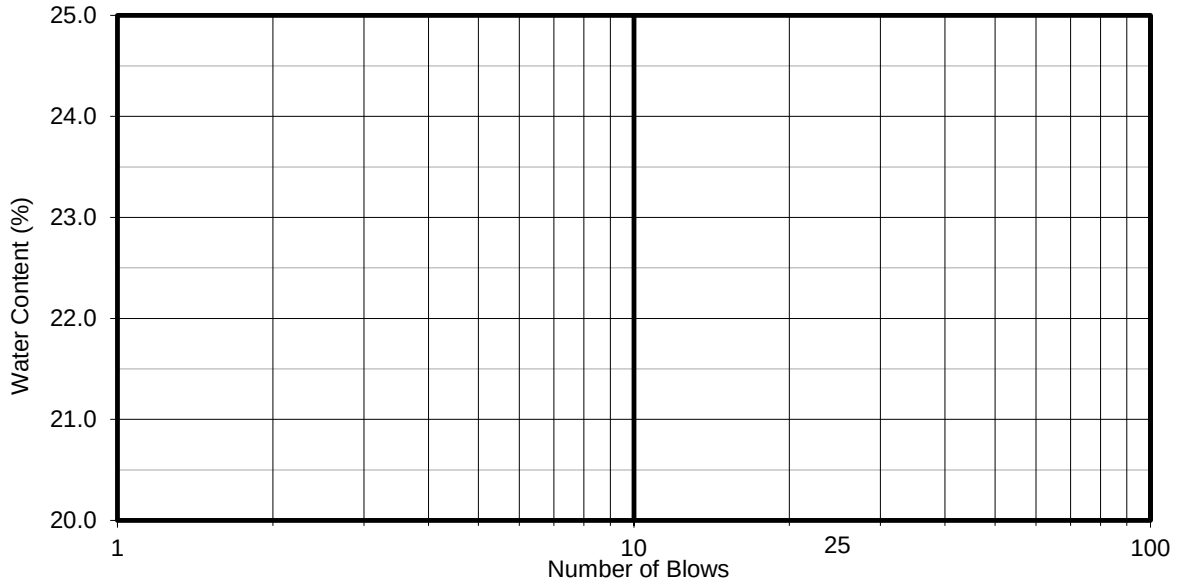
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G62**
Borehole:	**SRK21-OP-BH-05**
Sample Number:	**35159**
Depth of Sample:	**20.7m - 21.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						977.50			
MASS DRY SOIL + TARE (g)						883.36			
MASS OF WATER (g)						94.14			
MASS OF CONTAINER (g)						242.97			
MASS OF DRY SOIL (g)						640.39			
WATER CONTENT W (%)						14.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

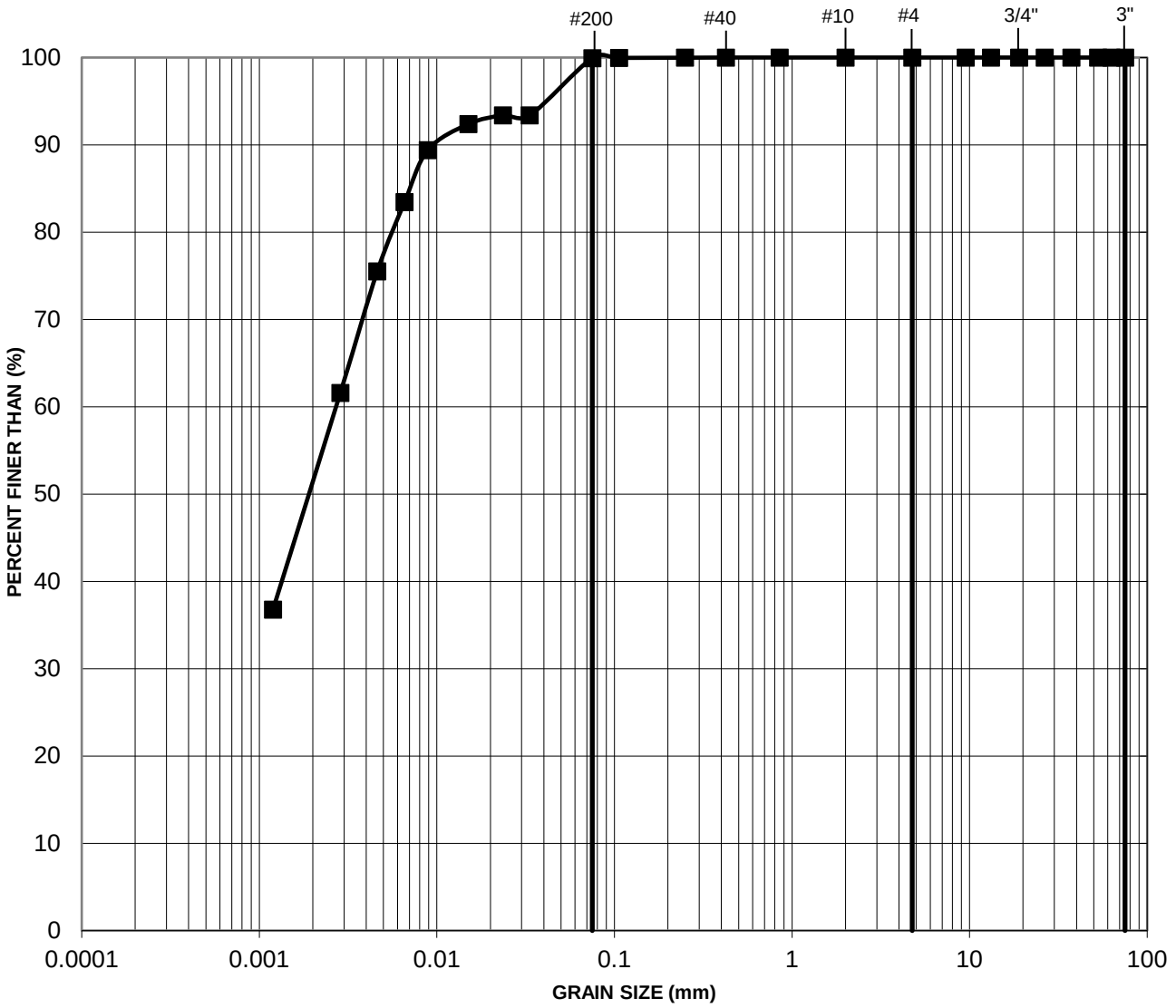


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-12	35170	19.2m - 19.5m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

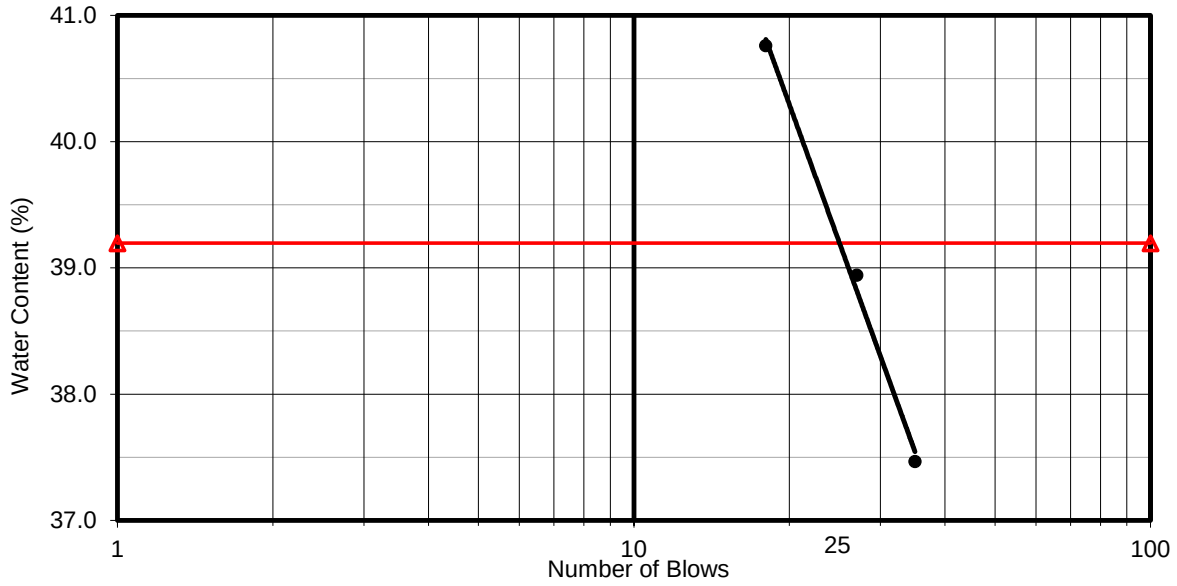
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 9, 2022**
Technician:	**HAB**
Lab Number:	**G64**
Borehole:	**SRK21-OP-BD-12**
Sample Number:	**35170**
Depth of Sample:	**19.2m - 19.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7l	10m	18			X	g	r21	
NUMBER OF BLOWS	27	18	35			X	X	X	X
MASS WET SOIL + TARE (g)	18.63	17.66	17.98			818.09	25.90	26.28	
MASS DRY SOIL + TARE (g)	15.46	14.66	15.05			681.82	23.90	24.34	
MASS OF WATER (g)	3.17	3.00	2.93			136.27	2.00	1.94	
MASS OF CONTAINER (g)	7.32	7.30	7.23			308.91	13.89	14.38	
MASS OF DRY SOIL (g)	8.14	7.36	7.82			372.91	10.01	9.96	
WATER CONTENT W (%)	38.9	40.8	37.5			36.5	20.0	19.5	

LIQUID LIMIT (%)	**39.2**
PLASTIC LIMIT (%)	**19.7**
PLASTICITY INDEX (%)	**19.5**
W NATURAL (%)	**36.5**
LIQUIDITY INDEX	**0.86**

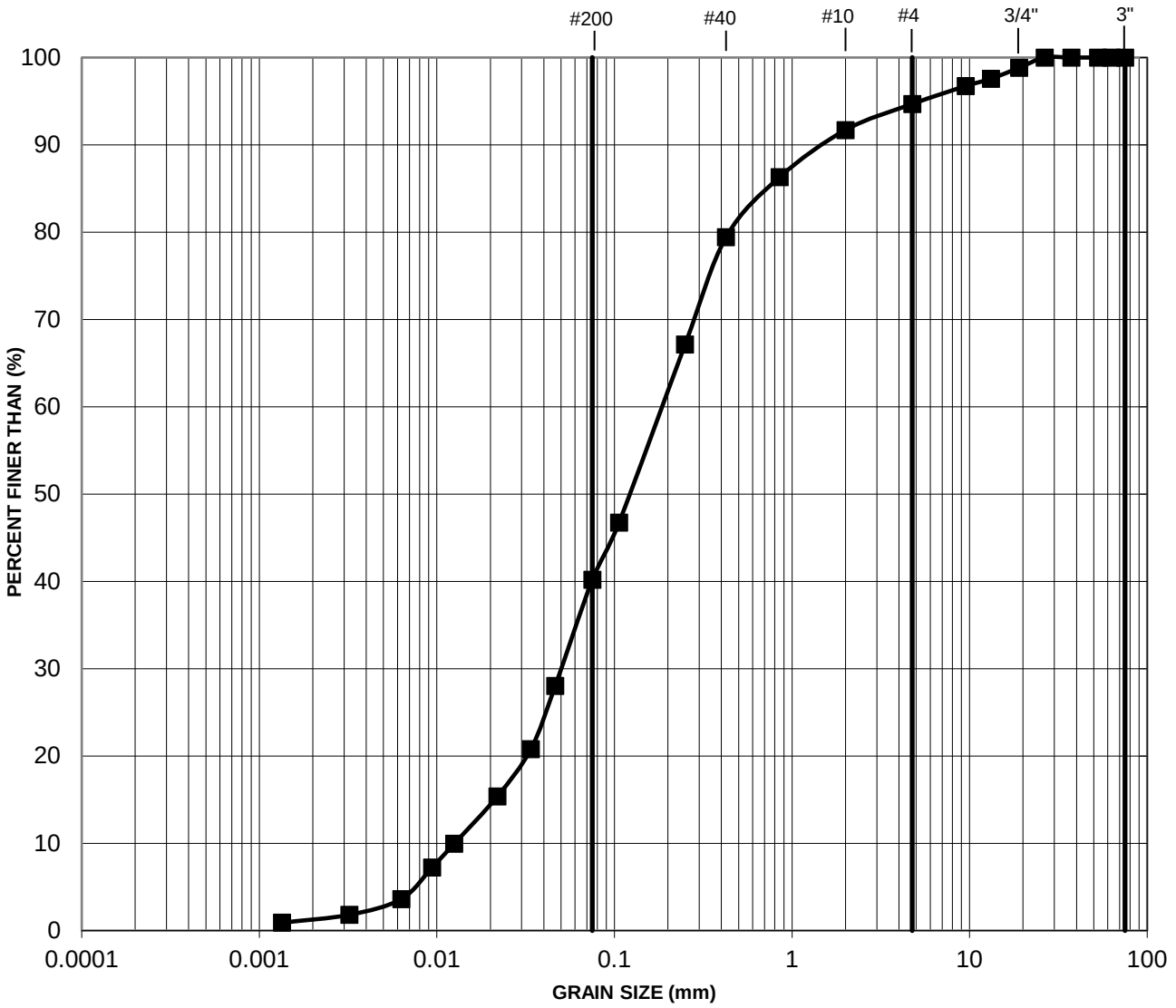


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-12	35174	29.9m - 30.5m

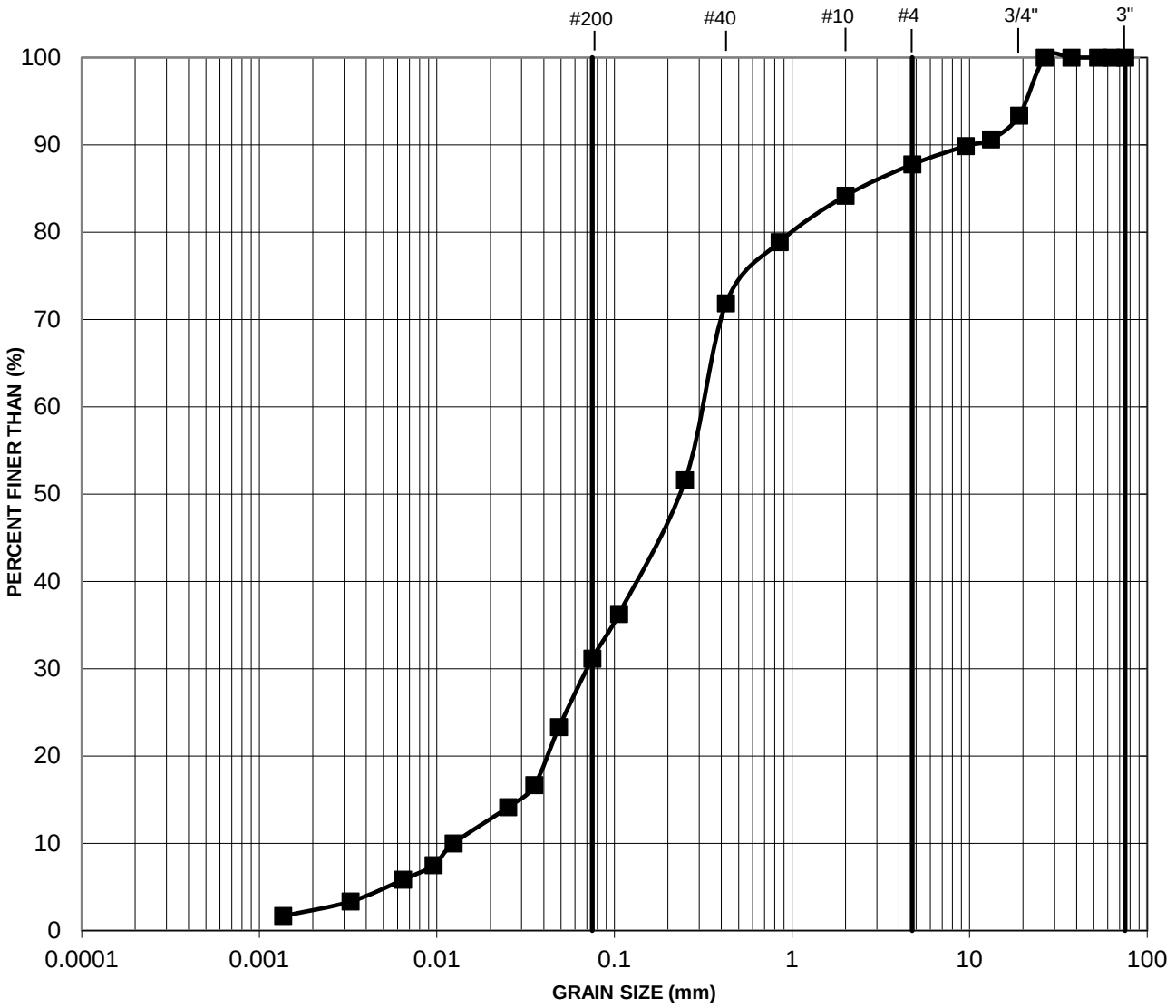
Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	SAND SIZE			GRAVEL SIZE		COBBLE SIZE
	FINE	MEDIUM	COARSE	FINE	COARSE	

BH / Location	Sample	Depth
SRK21-OP-BD-12	35178	36.0m - 36.3m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

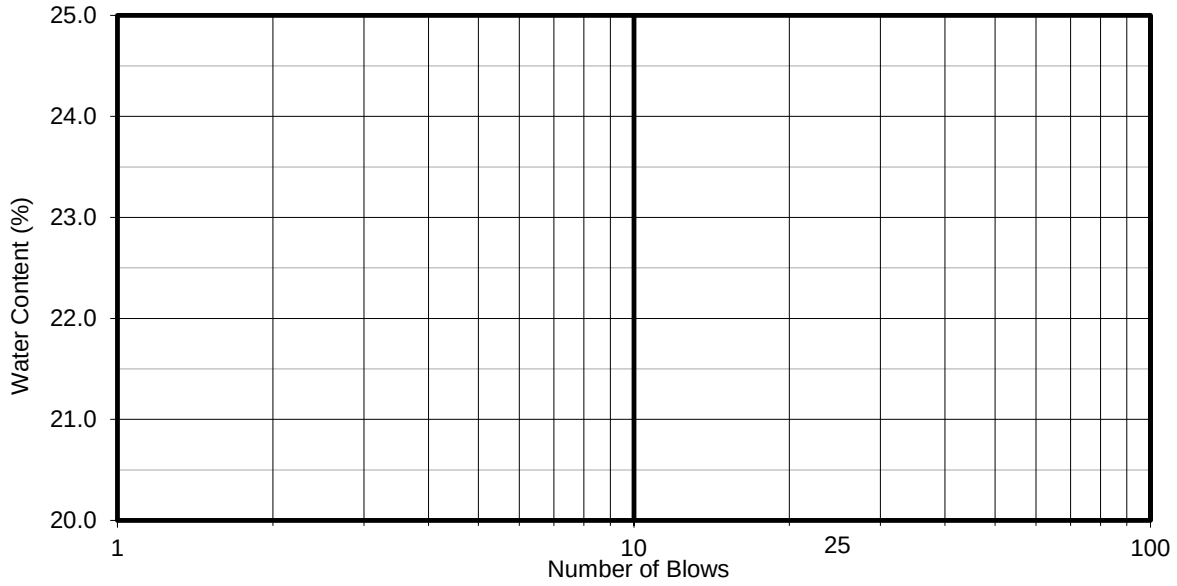
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G66**
Borehole:	**SRK21-OP-BD-12**
Sample Number:	**35178**
Depth of Sample:	**36.0m - 36.3m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						2657.62			
MASS DRY SOIL + TARE (g)						2429.75			
MASS OF WATER (g)						227.87			
MASS OF CONTAINER (g)						340.43			
MASS OF DRY SOIL (g)						2089.32			
WATER CONTENT W (%)						10.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



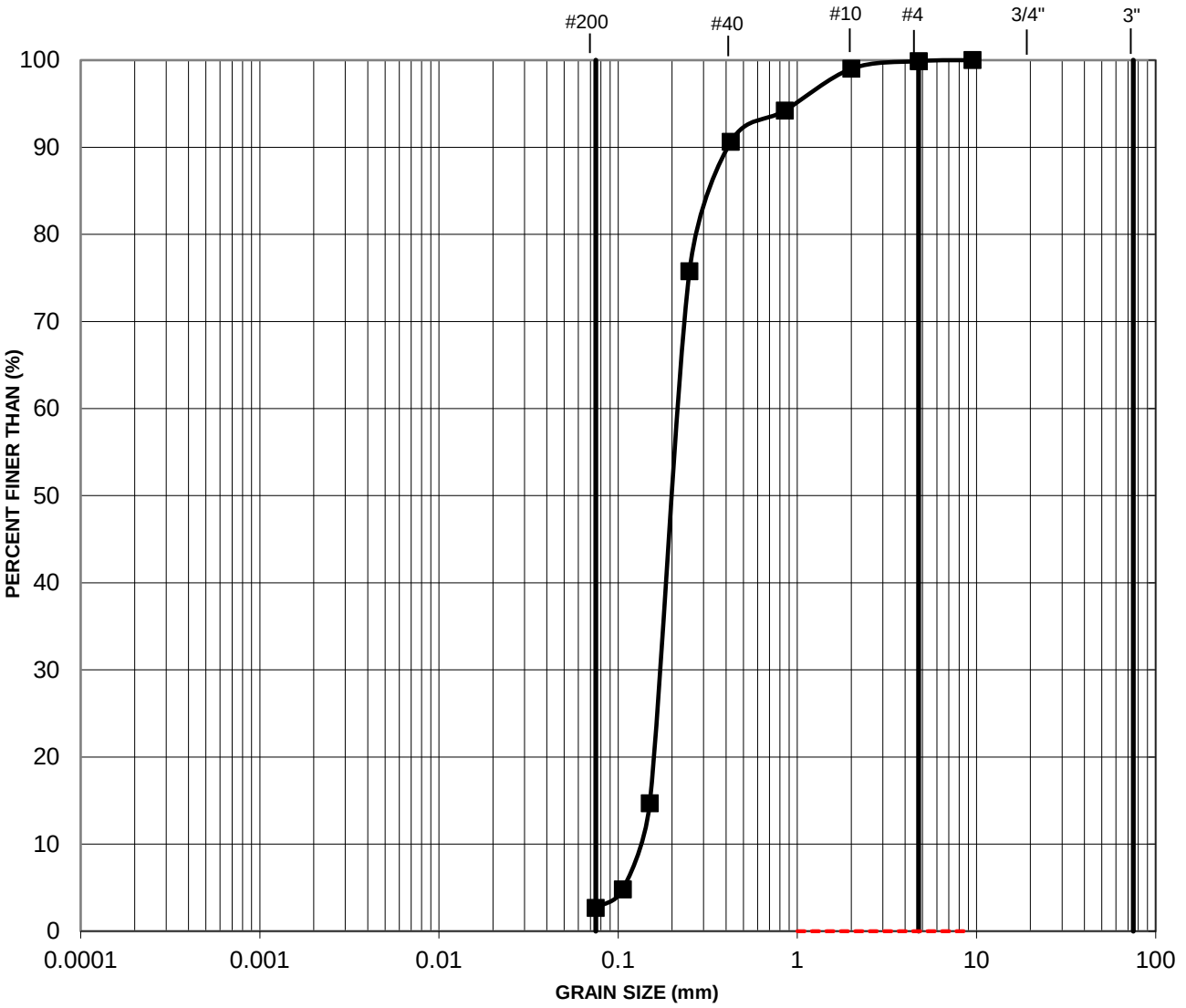
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-12	35179	38.4m - 38.7m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

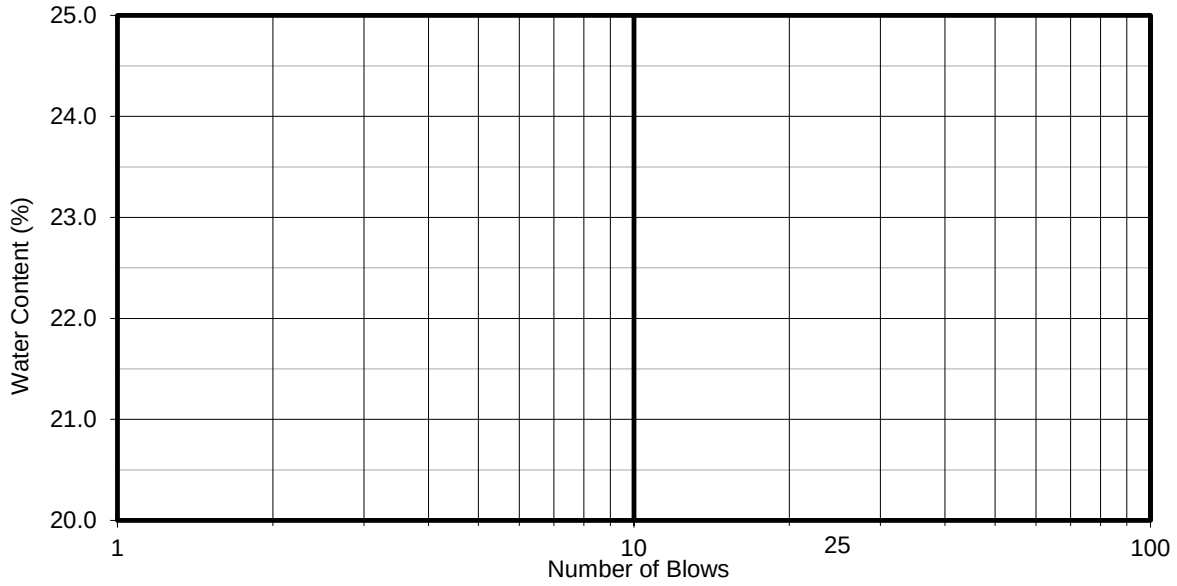
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G67**
Borehole:	**SRK21-OP-BD-12**
Sample Number:	**35179**
Depth of Sample:	**38.4m - 38.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1300.71			
MASS DRY SOIL + TARE (g)						1156.23			
MASS OF WATER (g)						144.48			
MASS OF CONTAINER (g)						344.25			
MASS OF DRY SOIL (g)						811.98			
WATER CONTENT W (%)						17.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

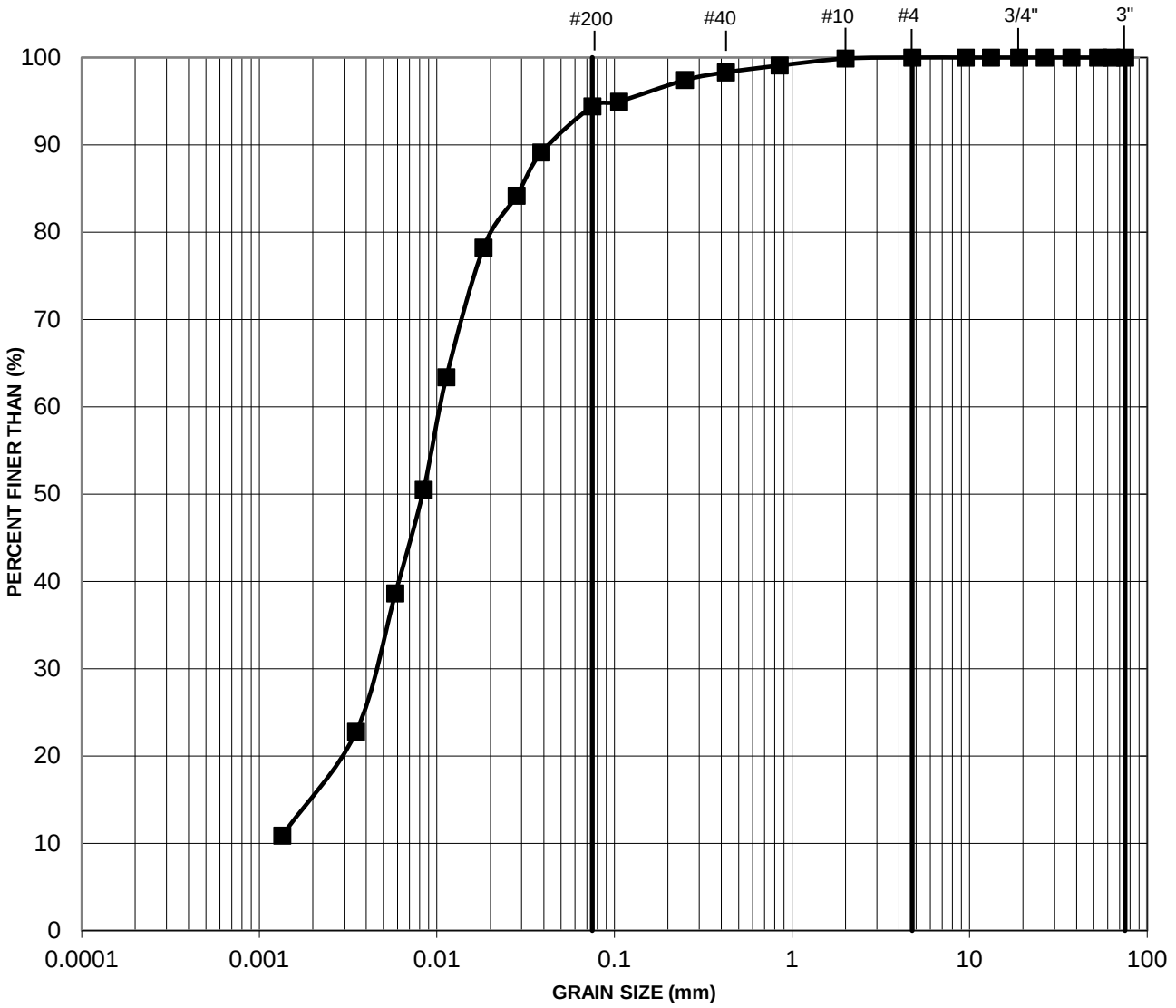


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-05	35182	1.5m - 1.8m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

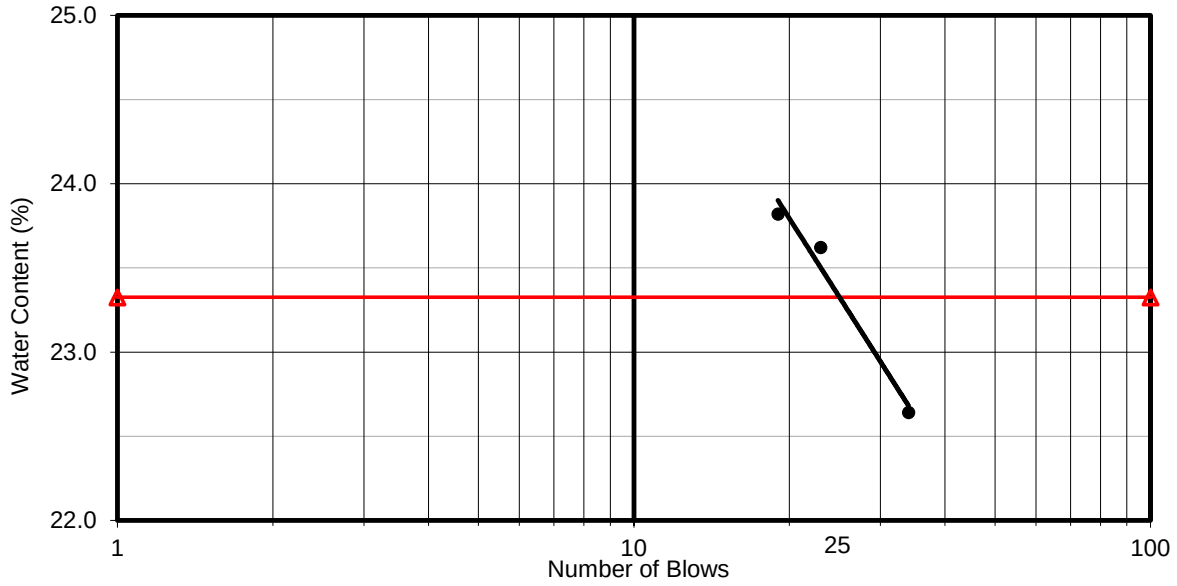
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 9, 2022**
Technician:	**HAB**
Lab Number:	**G68**
Borehole:	**SRK21-OP-BD-05**
Sample Number:	**35182**
Depth of Sample:	**1.5m - 1.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1m	k2	4			X	T	CE10	
NUMBER OF BLOWS	23	19	34			X	X	X	X
MASS WET SOIL + TARE (g)	18.21	19.15	17.64			918.21	25.23	25.75	
MASS DRY SOIL + TARE (g)	16.11	16.88	15.72			826.37	23.60	24.25	
MASS OF WATER (g)	2.10	2.27	1.92			91.84	1.63	1.50	
MASS OF CONTAINER (g)	7.22	7.35	7.24			344.52	13.43	14.37	
MASS OF DRY SOIL (g)	8.89	9.53	8.48			481.85	10.17	9.88	
WATER CONTENT W (%)	23.6	23.8	22.6			19.1	16.0	15.2	

LIQUID LIMIT (%)	**23.3**
PLASTIC LIMIT (%)	**15.6**
PLASTICITY INDEX (%)	**7.7**
W NATURAL (%)	**19.1**
LIQUIDITY INDEX	**0.45**

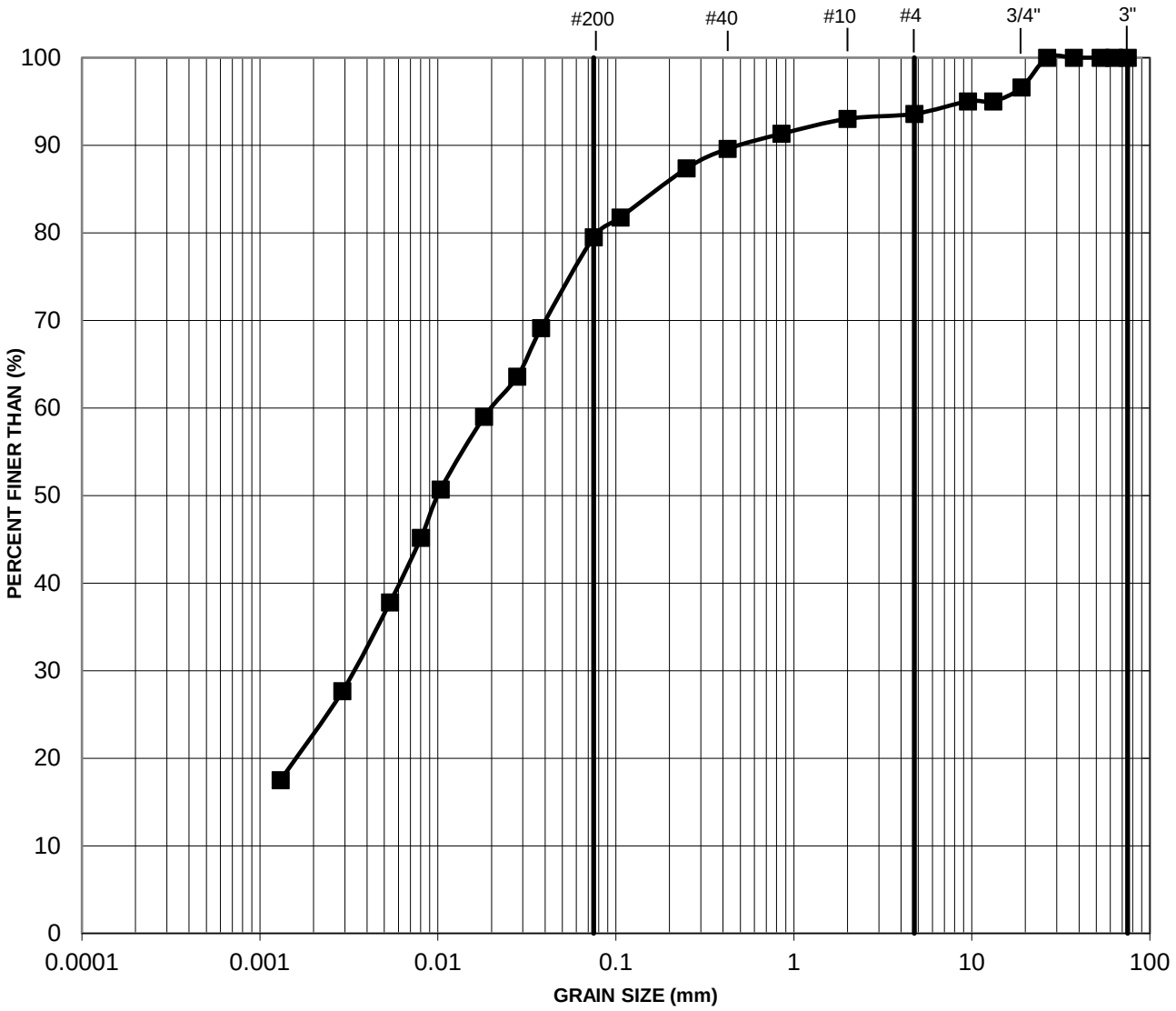


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-05	35184	4.9m - 5.2m

Project No./Phase/Task: 21504835

Project Name: SRK Consulting/SRK Lab Soil Testing

Reviewed by: TG

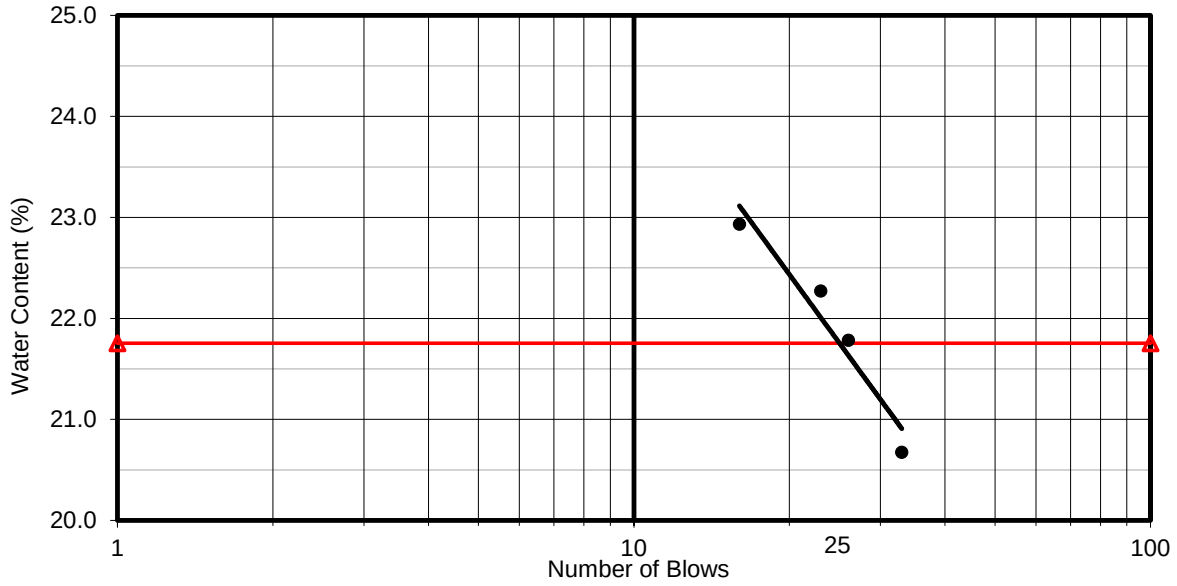
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Consulting/SRK Lab Soil Testing**
Test Date:	**February 9, 2022**
Technician:	**HAB**
Lab Number:	**G69**
Borehole:	**SRK21-OP-BD-05**
Sample Number:	**35184**
Depth of Sample:	**4.9m - 5.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5m	7m	69	r6		**X**	mr13	mr14	
NUMBER OF BLOWS	33	26	23	16		**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.26	17.78	20.47	18.42		839.21	25.23	26.05	
MASS DRY SOIL + TARE (g)	16.36	15.90	18.06	16.34		773.94	23.91	24.69	
MASS OF WATER (g)	1.90	1.88	2.41	2.08		65.27	1.32	1.36	
MASS OF CONTAINER (g)	7.17	7.27	7.24	7.27		340.27	13.58	14.36	
MASS OF DRY SOIL (g)	9.19	8.63	10.82	9.07		433.67	10.33	10.33	
WATER CONTENT W (%)	20.7	21.8	22.3	22.9		15.1	12.8	13.2	

LIQUID LIMIT (%)	**21.8**
PLASTIC LIMIT (%)	**13.0**
PLASTICITY INDEX (%)	**8.8**
W NATURAL (%)	**15.1**
LIQUIDITY INDEX	**0.24**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	55
m_f) Mass of Pycnometer (g)	33.08	33.62	33.65
m_s) Mass of Dry Soil + Pycnometer (g)	53.09	53.65	53.66
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.03	20.01
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.36
m_b) Mass of Water + Soil + Pycnometer (g)	95.48	96.11	96.16
T_x) Test Temperature (0.5 °C)	23.5	24.0	23.5
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.764	2.764	2.774
K) Correction Factor	0.99745	0.99732	0.99745
G_s) Specific Gravity at 20°C = K x G	2.757	2.757	2.767
G_{avg}) Average Specific Gravity at 20 °C	2.760		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-09
		Sample #:	36151
Lab Number	G34	Depth (m)	3.7-4.0
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	55
m_f) Mass of Pycnometer (g)	33.08	33.62	33.65
m_s) Mass of Dry Soil + Pycnometer (g)	53.19	53.68	53.67
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.11	20.06	20.02
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.36
m_b) Mass of Water + Soil + Pycnometer (g)	95.27	95.88	95.89
T_x) Test Temperature (0.5 °C)	23.5	23.5	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.663	2.672	2.672
K) Correction Factor	0.99745	0.99745	0.99732
G_s) Specific Gravity at 20°C = K x G	2.656	2.665	2.665
G_{avg}) Average Specific Gravity at 20 °C	2.662		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-09
		Sample #:	36157
Lab Number	G38	Depth (m)	35.1-35.4
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.74	52.25	51.27
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.09	20.05	20.08
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.17	94.80	93.90
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.759	2.754	2.751
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.752	2.747	2.744
G_{avg}) Average Specific Gravity at 20 °C	2.748		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-06
		Sample #:	36159
Lab Number	G40	Depth (m)	4.9-5.2
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.65	52.20	51.19
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.00	20.00	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.18	94.84	93.92
T_x) Test Temperature (0.5 °C)	23.5	23.5	23.5
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.785	2.782	2.779
K) Correction Factor	0.99745	0.99745	0.99745
G_s) Specific Gravity at 20°C = K x G	2.778	2.775	2.772
G_{avg}) Average Specific Gravity at 20 °C	2.775		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-08
		Sample #:	36164
Lab Number	G43	Depth (m)	12.8-13.1
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.11	53.82	53.60
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.20	20.05
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.32	96.04	95.99
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.699	2.698	2.688
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.692	2.691	2.681
G_{avg}) Average Specific Gravity at 20 °C	2.688		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-08
		Sample #:	36171
Lab Number	G45	Depth (m)	29.0-29.3
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.65	52.25	51.19
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.00	20.05	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.98	94.68	93.69
T_x) Test Temperature (0.5 °C)	23.5	23.5	23.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.709	2.709	2.692
K) Correction Factor	0.99745	0.99745	0.99930
G_s) Specific Gravity at 20°C = K x G	2.702	2.702	2.690
G_{avg}) Average Specific Gravity at 20 °C	2.698		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-08
		Sample #:	36183
Lab Number	G50	Depth (m)	67.1-67.4
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.09	53.71	53.61
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.09	20.06
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.34	95.99	96.05
T_x) Test Temperature (0.5 °C)	23.0	23.5	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.711	2.705	2.707
K) Correction Factor	0.99930	0.99745	0.99732
G_s) Specific Gravity at 20°C = K x G	2.709	2.698	2.700
G_{avg}) Average Specific Gravity at 20 °C	2.702		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BH-05
		Sample #:	35157
Lab Number	G61	Depth (m)	14.6-15.2
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.15	53.66	53.62
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.07	20.04	20.07
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.41	95.99	96.08
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.723	2.717	2.716
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.716	2.710	2.709
G_{avg}) Average Specific Gravity at 20 °C	2.712		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-12
		Sample #:	35174
Lab Number	G65	Depth (m)	29.9-30.5
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.68	52.27	51.26
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.07	20.07
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.97	94.67	93.73
T_x) Test Temperature (0.5 °C)	23.5	24.0	23.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.699	2.701	2.691
K) Correction Factor	0.99745	0.99732	0.99930
G_s) Specific Gravity at 20°C = K x G	2.692	2.694	2.689
G_{avg}) Average Specific Gravity at 20 °C	2.692		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-12
		Sample #:	35179
Lab Number	G67	Depth (m)	38.4-38.7
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835
Project Name:	SRK Lab Soil Testing
Client:	SRK Cosulting
Org:	1194
Scheduled By:	EL
Date Scheduled:	February 3, 2022
Due Date:	February 25, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G75

	Test Totals:	55	-	35	7	48	-	-	-	-	7			

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-OP-BD-11	35192	2.1	2.4	1		1		1						G76
SRK21-OP-BD-11	35194	7.6	7.9	1										**G75**
SRK21-OP-BD-11	35196	10.4	10.7	1		1		1						G77
SRK21-OP-BD-11	35197	14	14.3	1		1		1						G78
SRK21-OP-BD-11	35101	19.8	20.1	1		1								G79
SRK21-OP-BD-11	35103	26.2	26.5	1		1		1						G80
SRK21-OP-BD-11	35105	35.1	35.4	1		1		1					1	G81
SRK21-OP-BD-11	35106	36	36.6	1										**G75**
SRK21-OP-BD-11	35108	37.8	38.1	1		1		1						G82
SRK21-OP-BH-07	35110	1.8	2.1	1		1		1					1	G83
SRK21-OP-BH-07	35112	3	3.4	1				1						G84
SRK21-OP-BH-07	35111	4.7	5	1		1		1						G85
SRK21-OP-BH-07	35113	6.4	6.7	1		1		1						G86
SRK21-OP-BH-07	35114	7	7.6	1		1		1						G87
SRK21-OP-BH-07	35116	9.4	9.8	1		1		1						G88
SRK21-OP-BH-07	35119	14	14.3	1				1						G89
SRK21-OP-BH-07	35121	14.6	15.2	1		1		1						G90
SRK21-OP-BH-07	35125	19.7	20	1										**G75**
SRK21-OP-BH-07	35126	20.7	21.3	1		1		1					1	G91
SRK21-OP-BH-07	35130	25.9	26.2	1		1		1						G92
SRK21-OP-BH-07	35133	29.9	30.5	1			1	1						G93
SRK21-OP-BH-07	35134	30.8	31.1	1				1						G94
SRK21-OP-BH-07	35136	34.7	35.1	1		1		1						G95
SRK21-OP-BH-07	35138	39	39.6	1			1	1						G96
SRK21-OP-BH-07	35143	44.2	44.5	1			1	1						G97
SRK21-OP-BD-01	58454	4.9	5.2	1		1		1						G98

GOLDER

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-OP-BD-01	58455	7.6	7.9	1				1						G99
SRK21-OP-BD-01	58456	10.7	11	1				1						G100
SRK21-OP-BD-01	58461	16.5	16.8	1		1		1						G101
SRK21-OP-BD-01	58463	22.6	22.9	1		1		1					1	G102
SRK21-OP-BD-01	58464	26.2	26.5	1		1		1						G103
SRK21-OP-BD-01	58467	29.3	29.6	1										**G75**
SRK21-OP-BD-01	58468	29.9	30.5	1										**G75**
SRK21-OP-BD-01	58472	35.1	35.4	1		1		1						G104
SRK21-OP-BD-01	58473	36	36.6	1										**G75**
SRK21-OP-BD-01	58475	39	39.6	1		1		1						G105
SRK21-OP-BD-01	58476	40.7	41	1				1					1	G106
SRK21-OP-BD-01	58478	42.1	42.7	1			1	1						G107
SRK21-OP-BD-01	58480	45	45.3	1			1	1						G108
SRK21-OP-BD-02	58326	0.8	1.1	1		1		1						G109
SRK21-OP-BD-02	58328	4.9	5.2	1		1		1						G110
SRK21-OP-BD-02	58331	10.4	10.7	1		1		1						G111
SRK21-OP-BD-02	58335	19.5	19.8	1		1		1						G112
SRK21-OP-BD-02	58337	25.6	25.9	1				1						G113
SRK21-OP-BD-02	58338	30.2	30.5	1		1		1						G114
SRK21-OP-BD-02	58341	34.7	35.1	1		1		1					1	G115
SRK21-OP-BD-02	58343	39.6	39.9	1			1	1						G116
SRK21-OP-BH-09	58345	1.5	1.8	1		1		1						G117
SRK21-OP-BH-09	36206	20.3	20.6	1		1		1						G118
SRK21-OP-BH-09	36208	25.9	26.2	1		1		1						G119
SRK21-OP-BH-09	36210	29.9	30.5	1		1		1						G120
SRK21-OP-BH-09	36212	35.1	35.4	1		1		1						G121
SRK21-OP-BH-09	36215	40.5	40.8	1			1	1						G122
SRK21-OP-BH-09	36217	44.5	44.8	1		1		1						G123
SRK21-OP-BH-09	36220	50.3	50.6	1		1		1					1	G124

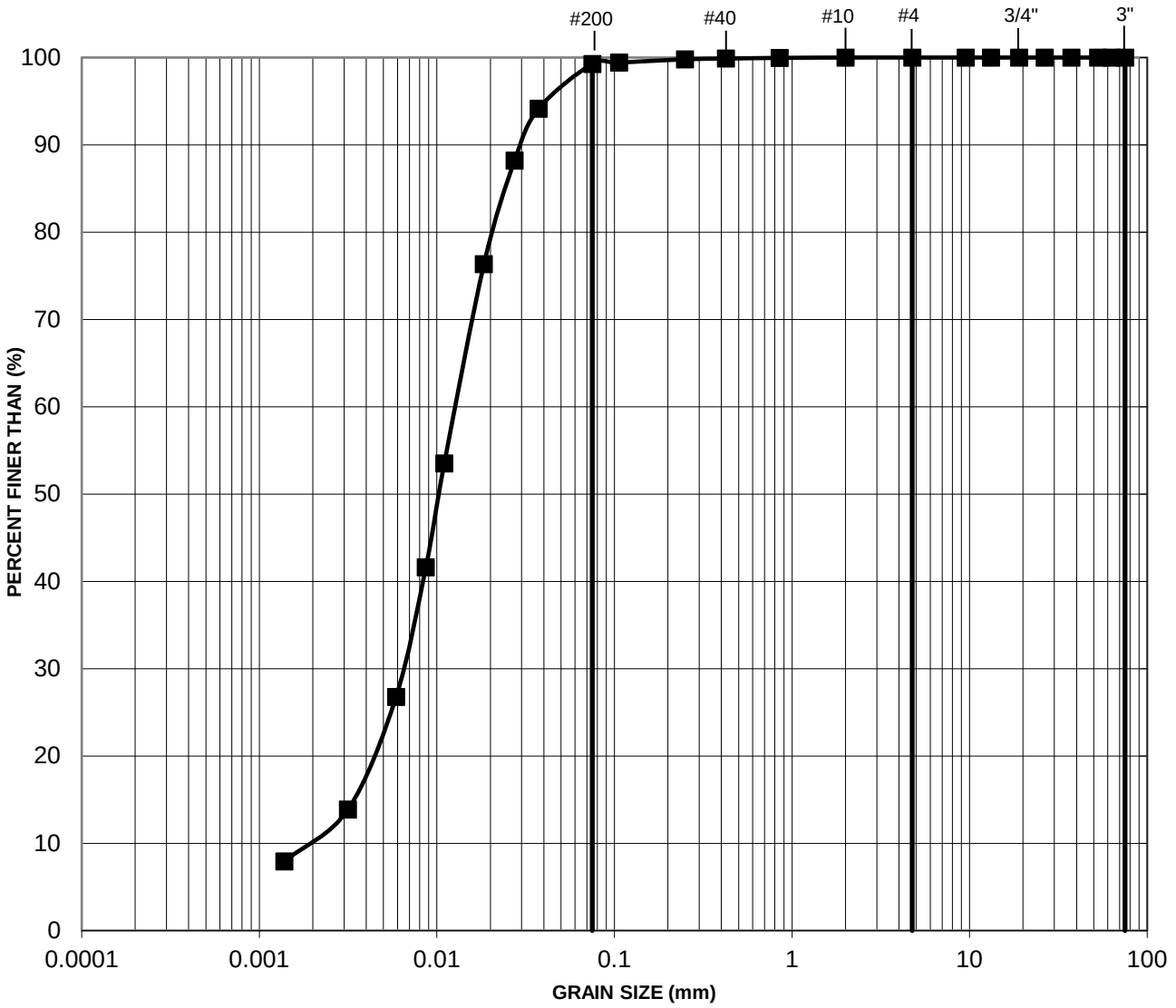
GOLDER

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Lab Water Content No.:	**G75**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Specific Gravity	Atterberg Limits			
					LL	PL	PI	LI
SRK21-OP-BD-11	35192	2.1m - 2.4m	22.6		22.6	19.6	2.9	1.0
SRK21-OP-BD-11	35194	7.6m - 7.9m	19.0					
SRK21-OP-BD-11	35196	10.4m - 10.7m	19.9		24.0	13.7	10.3	0.6
SRK21-OP-BD-11	35197	14m - 14.3m	21.4		27.0	14.3	12.7	0.6
SRK21-OP-BD-11	35101	19.8m - 20.1m	38.2					
SRK21-OP-BD-11	35103	26.2m - 26.5m	33.4		33.9	19.0	14.9	1.0
SRK21-OP-BD-11	35105	35.1m - 35.4m	10.6	2.722	NP	NP	NP	NP
SRK21-OP-BD-11	35106	36m - 36.6m	11.3					
SRK21-OP-BD-11	35108	37.8m - 38.1m	9.1		17.8	14.0	3.8	-1.3
SRK21-OP-BH-07	35110	1.8m - 2.1m	16.3	2.747	25.2	14.6	10.6	0.2
SRK21-OP-BH-07	35112	3m - 3.4m	16.8		24.1	14.2	9.9	0.3
SRK21-OP-BH-07	35111	4.7m - 5m	20.6		26.2	14.6	11.6	0.5
SRK21-OP-BH-07	35113	6.4m - 6.7m	9.9		NP	NP	NP	NP
SRK21-OP-BH-07	35114	7m - 7.6m	11.5		NP	NP	NP	NP
SRK21-OP-BH-07	35116	9.4m - 9.8m	10.8		NP	NP	NP	NP
SRK21-OP-BH-07	35119	14m - 14.3m	16.6		NP	NP	NP	NP
SRK21-OP-BH-07	35121	14.6m - 15.2m	13.9		NP	NP	NP	NP
SRK21-OP-BH-07	35125	19.7m - 20m	9.7					
SRK21-OP-BH-07	35126	20.7m - 21.3m	13.6	2.729	16.3	12.8	3.5	0.2
SRK21-OP-BH-07	35130	25.9m - 26.2m	22.4		NP	NP	NP	NP
SRK21-OP-BH-07	35133	29.9m - 30.5m	15.7		NP	NP	NP	NP
SRK21-OP-BH-07	35134	30.8m - 31.1m	12.3		NP	NP	NP	NP
SRK21-OP-BH-07	35136	34.7m - 35.1m	6.6		NP	NP	NP	NP
SRK21-OP-BH-07	35138	39m - 39.6m	10.0		NP	NP	NP	NP
SRK21-OP-BH-07	35143	44.2m - 44.5m	7.0		NP	NP	NP	NP
SRK21-OP-BD-01	58454	4.9m - 5.2m	19.1		28.7	16.5	12.2	0.2
SRK21-OP-BD-01	58455	7.6m - 7.9m	24.1		28.5	15.8	12.7	0.7
SRK21-OP-BD-01	58456	10.7m - 11m	23.4		26.3	15.0	11.3	0.7
SRK21-OP-BD-01	58461	16.5m - 16.8m	53.0		59.5	29.3	30.3	0.8
SRK21-OP-BD-01	58463	22.6m - 22.9m	33.0	2.755	35.9	19.8	16.1	0.8
SRK21-OP-BD-01	58464	26.2m - 26.5m	13.2		NP	NP	NP	NP
SRK21-OP-BD-01	58467	29.3m - 29.6m	16.3					
SRK21-OP-BD-01	58468	29.9m - 30.5m	16.1					
SRK21-OP-BD-01	58472	35.1m - 35.4m	10.8		NP	NP	NP	NP
SRK21-OP-BD-01	58473	36m - 36.6m	16.0					
SRK21-OP-BD-01	58475	39m - 39.6m	10.6		NP	NP	NP	NP
SRK21-OP-BD-01	58476	40.7m - 41m	10.0	2.727	NP	NP	NP	NP
SRK21-OP-BD-01	58478	42.1m - 42.7m	6.6		NP	NP	NP	NP
SRK21-OP-BD-01	58480	45m - 45.3m	9.0		NP	NP	NP	NP
SRK21-OP-BD-02	58326	0.8m - 1.1m	19.7		23.1	16.1	7.0	0.5
SRK21-OP-BD-02	58328	4.9m - 5.2m	24.5		25.2	18.6	6.7	0.9
SRK21-OP-BD-02	58331	10.4m - 10.7m	21.6		24.9	15.2	9.7	0.7
SRK21-OP-BD-02	58335	19.5m - 19.8m	50.7		53.3	26.2	27.1	0.9
SRK21-OP-BD-02	58337	25.6m - 25.9m	30.4		23.5	15.4	8.1	1.8
SRK21-OP-BD-02	58338	30.2m - 30.5m	28.1		27.7	17.5	10.2	1.0
SRK21-OP-BD-02	58341	34.7m - 35.1m	7.5	2.697	NP	NP	NP	NP
SRK21-OP-BD-02	58343	39.6m - 39.9m	6.8		NP	NP	NP	NP
SRK21-OP-BH-09	58345	1.5m - 1.8m	19.8		25.5	18.7	6.8	0.2
SRK21-OP-BH-09	36206	20.3m - 20.6m	27.5		30.1	20.1	10.0	0.7
SRK21-OP-BH-09	36208	25.9m - 26.2m	33.2		28.1	19.0	9.1	1.6
SRK21-OP-BH-09	36210	29.9m - 30.5m	26.0		NP	NP	NP	NP
SRK21-OP-BH-09	36212	35.1m - 35.4m	6.5		NP	NP	NP	NP
SRK21-OP-BH-09	36215	40.5m - 40.8m	7.9		NP	NP	NP	NP
SRK21-OP-BH-09	36217	44.5m - 44.8m	7.9		NP	NP	NP	NP
SRK21-OP-BH-09	36220	50.3m - 50.6m	8.4	2.720	NP	NP	NP	NP

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-11	35192	2.1m - 2.4m

Project No./Phase/Task: 21504835

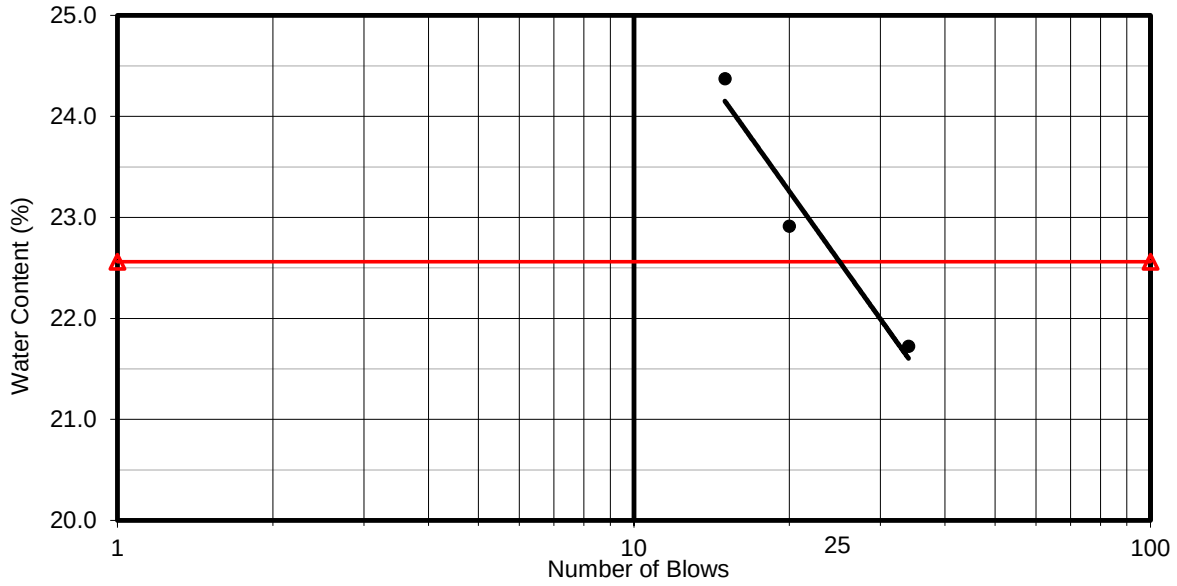
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 8, 2022**
Technician:	**HAB**
Lab Number:	**G76**
Borehole:	**SRK21-OP-BD-11**
Sample Number:	**35192**
Depth of Sample:	**2.1m - 2.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	r13l	r20			**X**	R14	R23	
NUMBER OF BLOWS	15	20	34			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.62	17.73	17.84			903.53	27.13	26.85	
MASS DRY SOIL + TARE (g)	15.58	15.78	15.95			795.29	25.09	24.76	
MASS OF WATER (g)	2.04	1.95	1.89			108.24	2.04	2.09	
MASS OF CONTAINER (g)	7.21	7.27	7.25			316.35	14.73	14.10	
MASS OF DRY SOIL (g)	8.37	8.51	8.70			478.94	10.36	10.66	
WATER CONTENT W (%)	24.4	22.9	21.7			22.6	19.7	19.6	

LIQUID LIMIT (%)	**22.6**
PLASTIC LIMIT (%)	**19.6**
PLASTICITY INDEX (%)	**2.9**
W NATURAL (%)	**22.6**
LIQUIDITY INDEX	**1.01**

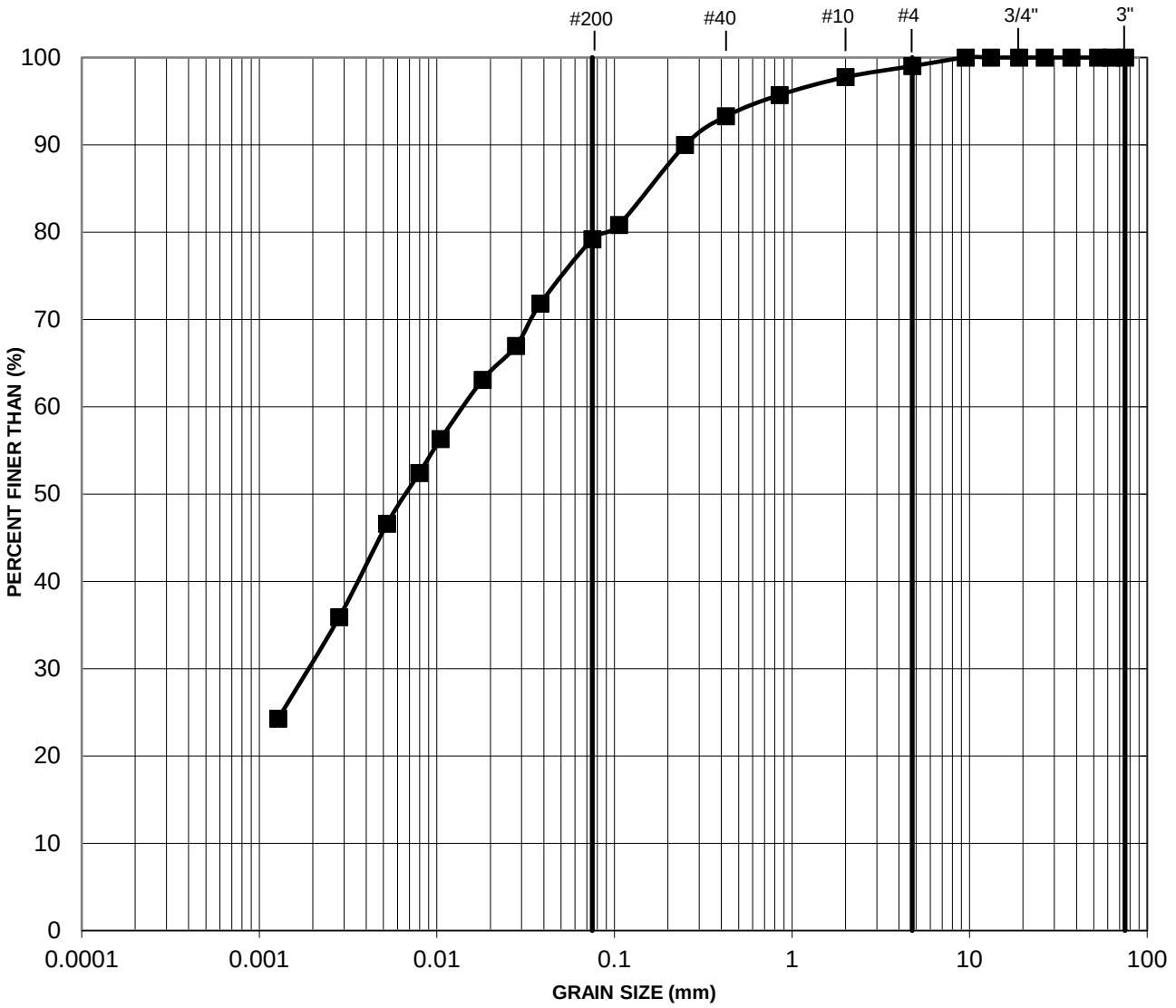


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-11	35196	10.4m - 10.7m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

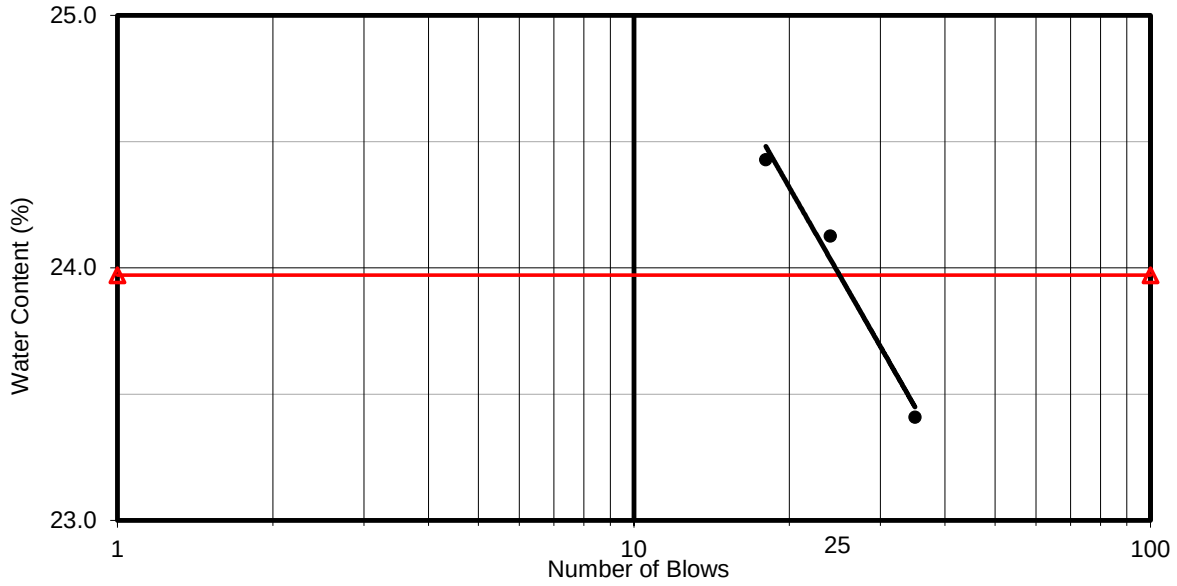
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 8, 2022**
Technician:	**HAB**
Lab Number:	**G77**
Borehole:	**SRK21-OP-BD-11**
Sample Number:	**35196**
Depth of Sample:	**10.4m - 10.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	3l	r8l	r21			X	i	mr96	
NUMBER OF BLOWS	35	24	18			X	X	X	X
MASS WET SOIL + TARE (g)	17.57	18.93	19.79			745.97	25.90	25.66	
MASS DRY SOIL + TARE (g)	15.62	16.65	17.33			686.07	24.47	24.29	
MASS OF WATER (g)	1.95	2.28	2.46			59.90	1.43	1.37	
MASS OF CONTAINER (g)	7.29	7.20	7.26			385.44	14.21	14.11	
MASS OF DRY SOIL (g)	8.33	9.45	10.07			300.63	10.26	10.18	
WATER CONTENT W (%)	23.4	24.1	24.4			19.9	13.9	13.5	

LIQUID LIMIT (%)	**24.0**
PLASTIC LIMIT (%)	**13.7**
PLASTICITY INDEX (%)	**10.3**
W NATURAL (%)	**19.9**
LIQUIDITY INDEX	**0.61**

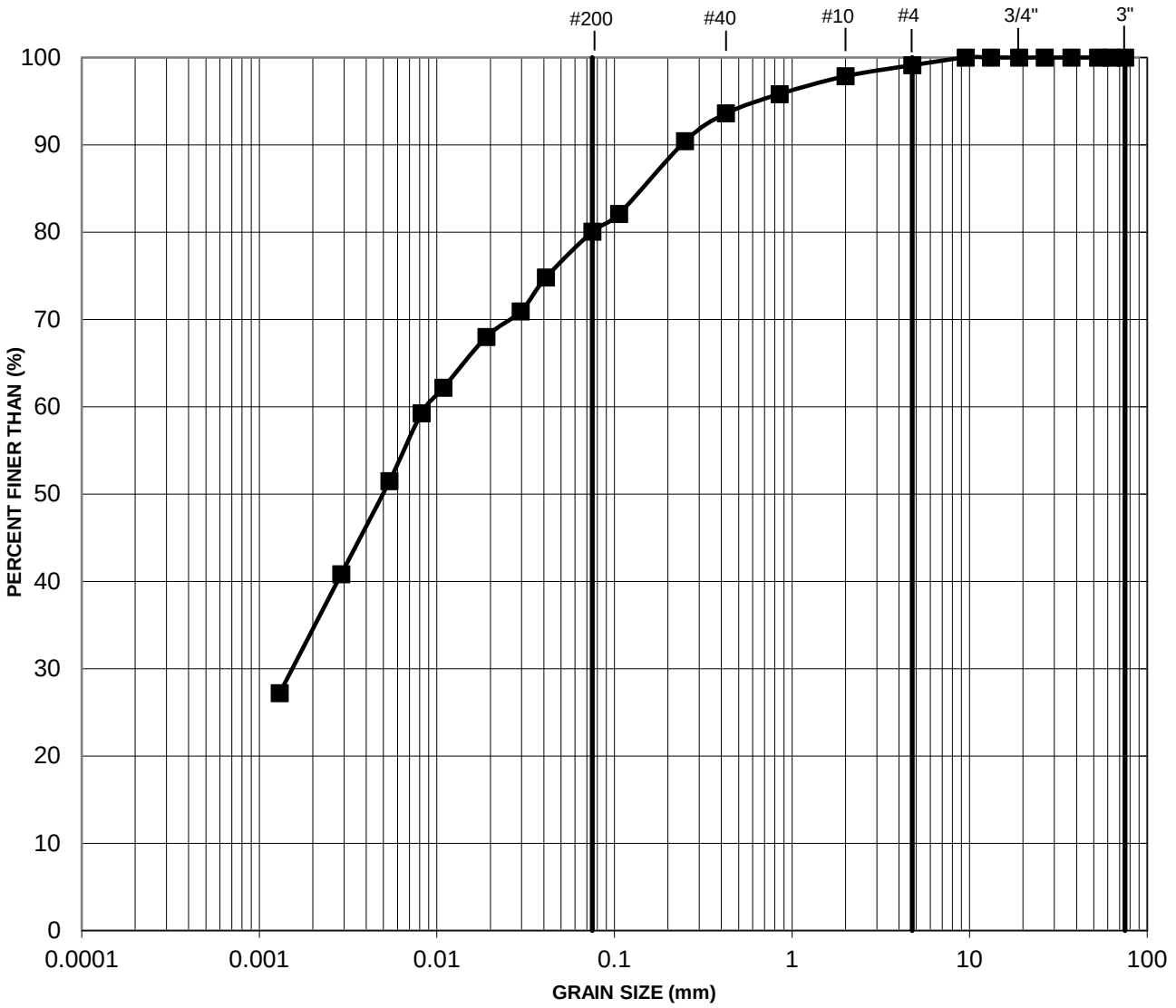


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-11	35197	14.0m - 14.3m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

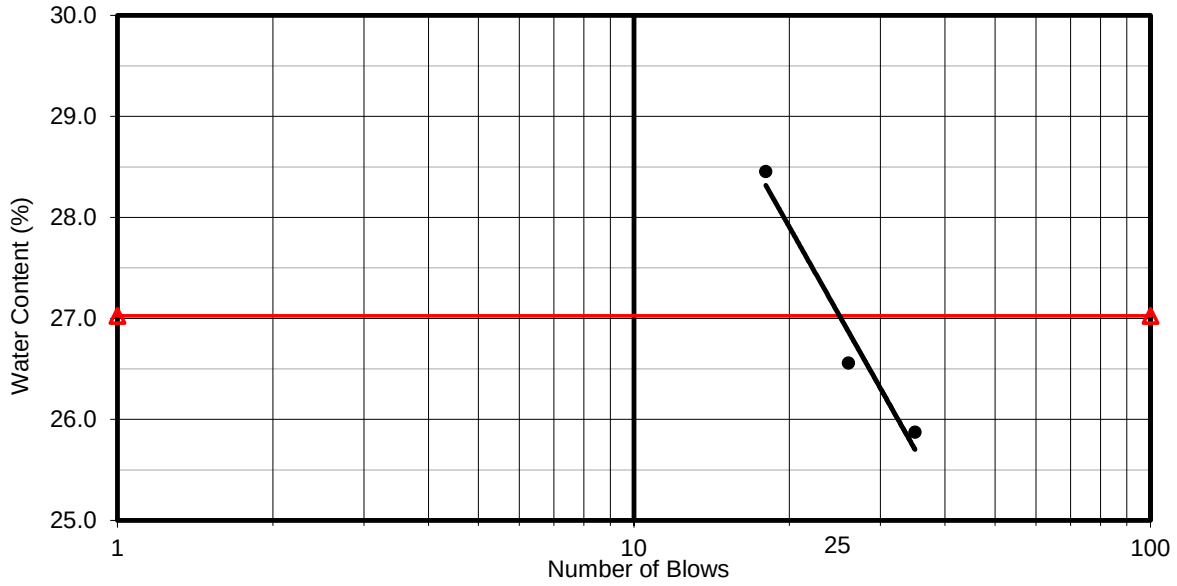
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 11, 2022**
Technician:	**HAB**
Lab Number:	**G78**
Borehole:	**SRK21-OP-BD-11**
Sample Number:	**35197**
Depth of Sample:	**14.0m - 14.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	37	66	85			**X**	r10	mr29	
NUMBER OF BLOWS	35	26	18			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	22.94	22.02	23.81			677.46	25.98	26.44	
MASS DRY SOIL + TARE (g)	20.50	19.72	20.97			613.77	24.47	24.93	
MASS OF WATER (g)	2.44	2.30	2.84			63.69	1.51	1.51	
MASS OF CONTAINER (g)	11.07	11.06	10.99			316.45	13.98	14.27	
MASS OF DRY SOIL (g)	9.43	8.66	9.98			297.32	10.49	10.66	
WATER CONTENT W (%)	25.9	26.6	28.5			21.4	14.4	14.2	

LIQUID LIMIT (%)	**27.0**
PLASTIC LIMIT (%)	**14.3**
PLASTICITY INDEX (%)	**12.7**
W NATURAL (%)	**21.4**
LIQUIDITY INDEX	**0.56**

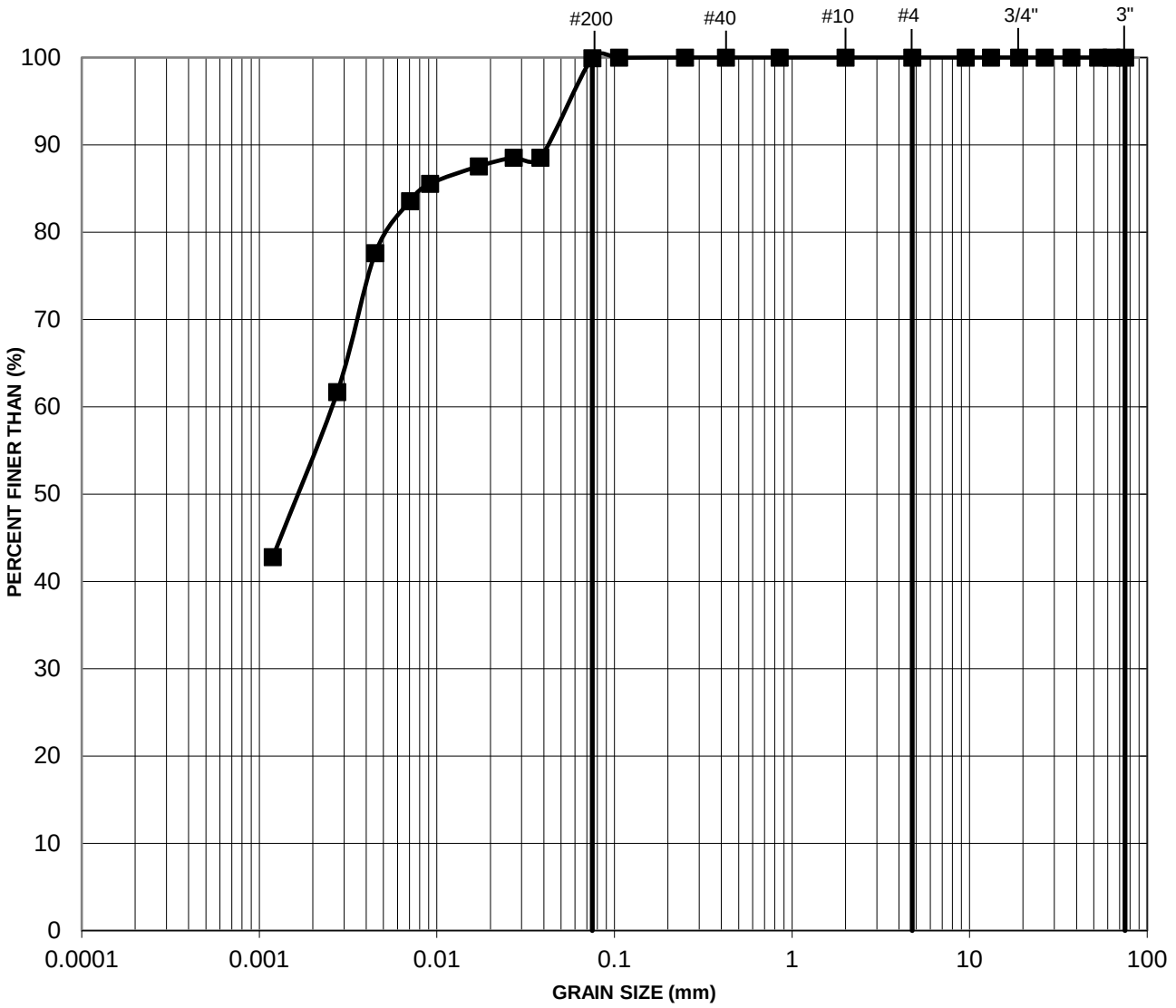


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

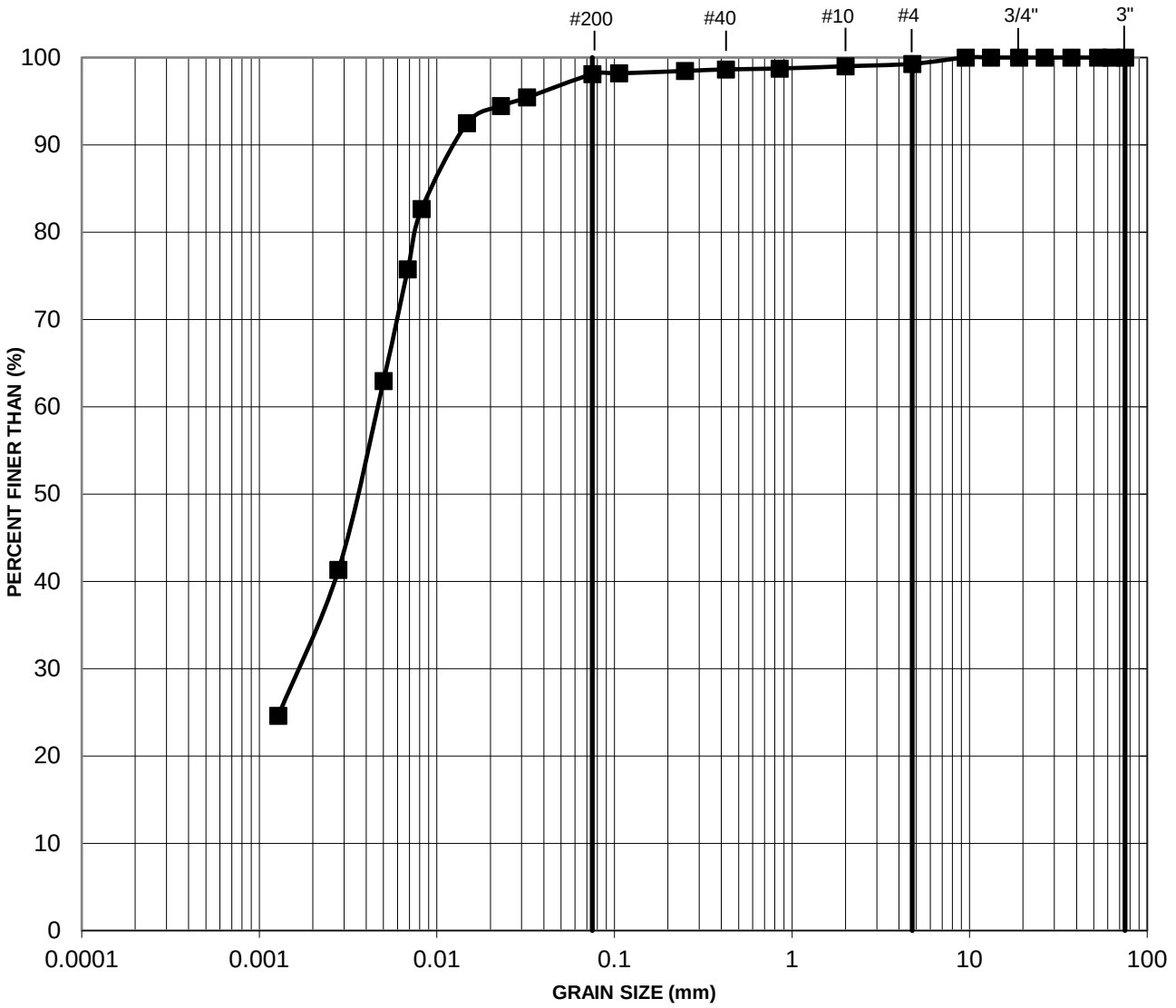
BH / Location	Sample	Depth
SRK21-OP-BD-11	35101	19.8m - 20.1m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-11	35103	26.2m - 26.5m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

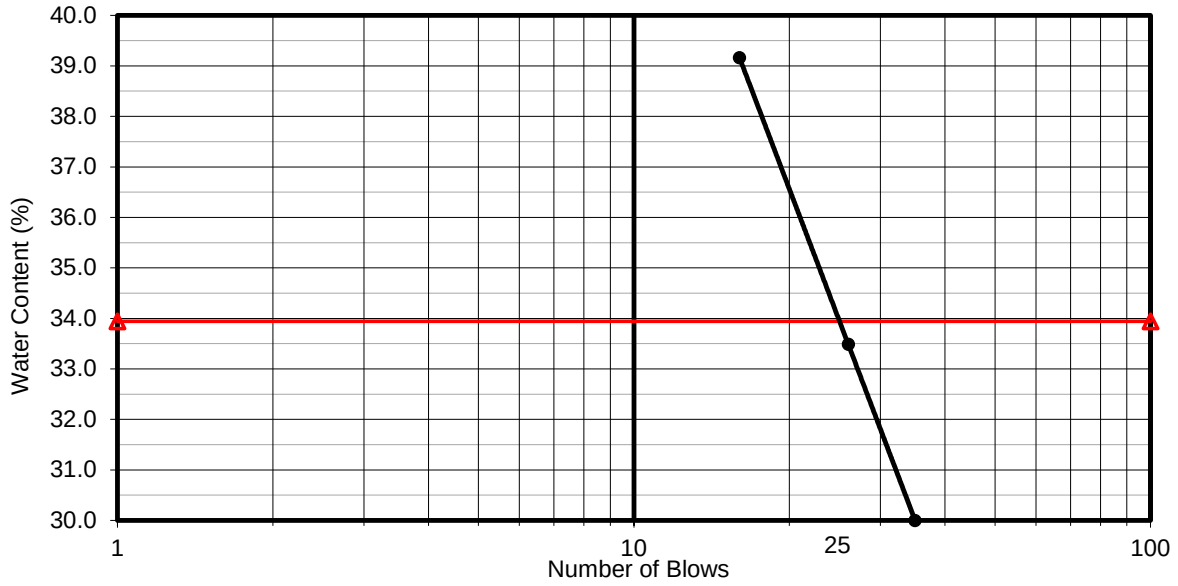
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 11, 2022**
Technician:	**HAB**
Lab Number:	**G80**
Borehole:	**SRK21-OP-BD-11**
Sample Number:	**35103**
Depth of Sample:	**26.2m - 26.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	8	9m	5m			**X**	y	mr5	
NUMBER OF BLOWS	16	26	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	19.18	18.67	17.57			811.32	25.96	25.65	
MASS DRY SOIL + TARE (g)	15.80	15.81	15.17			704.88	24.11	23.68	
MASS OF WATER (g)	3.38	2.86	2.40			106.44	1.85	1.97	
MASS OF CONTAINER (g)	7.17	7.27	7.17			386.42	14.18	13.51	
MASS OF DRY SOIL (g)	8.63	8.54	8.00			318.46	9.93	10.17	
WATER CONTENT W (%)	39.2	33.5	30.0			33.4	18.6	19.4	

LIQUID LIMIT (%)	**33.9**
PLASTIC LIMIT (%)	**19.0**
PLASTICITY INDEX (%)	**14.9**
W NATURAL (%)	**33.4**
LIQUIDITY INDEX	**0.97**

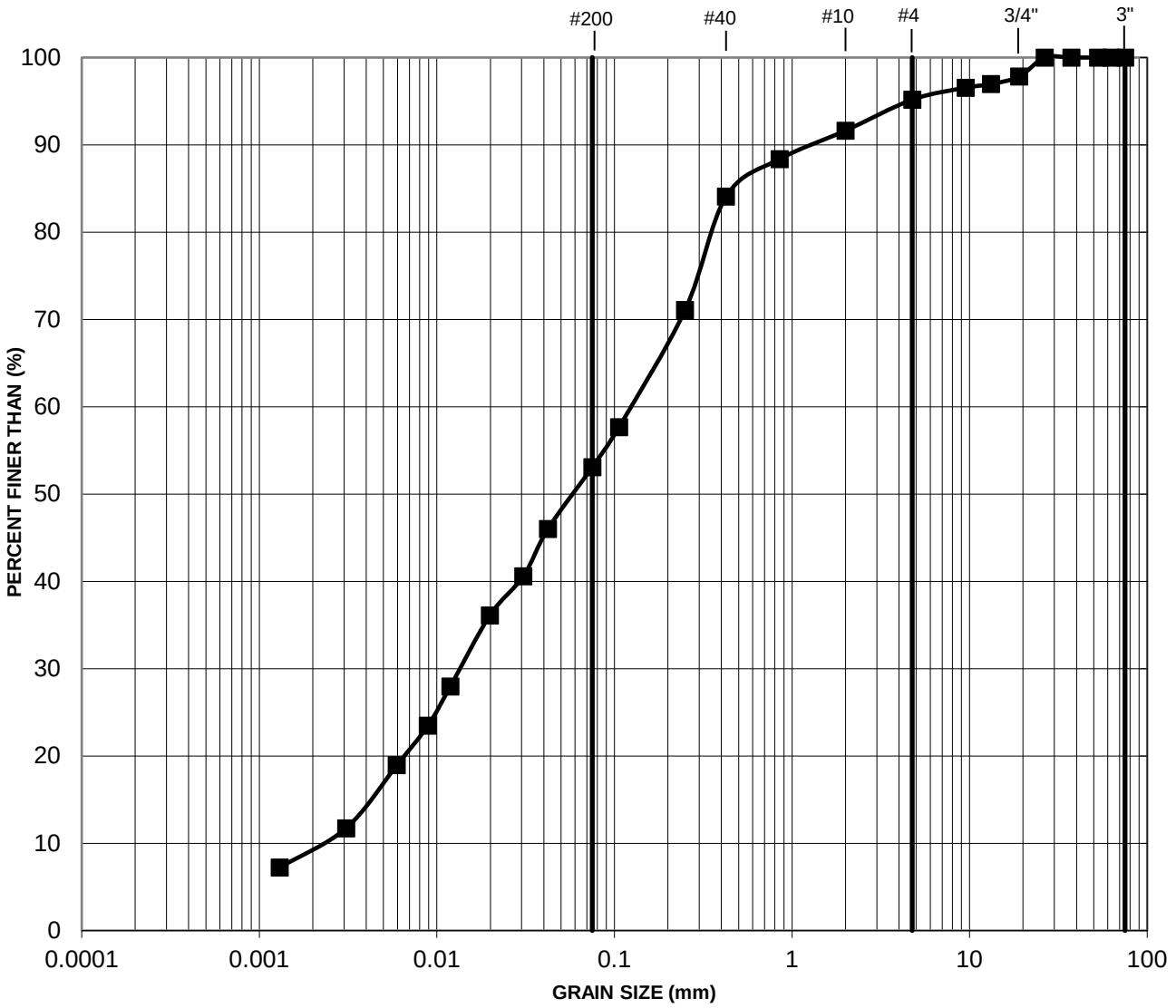


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-11	35105	35.1m - 35.4m

Project No./Phase/Task: 21504835

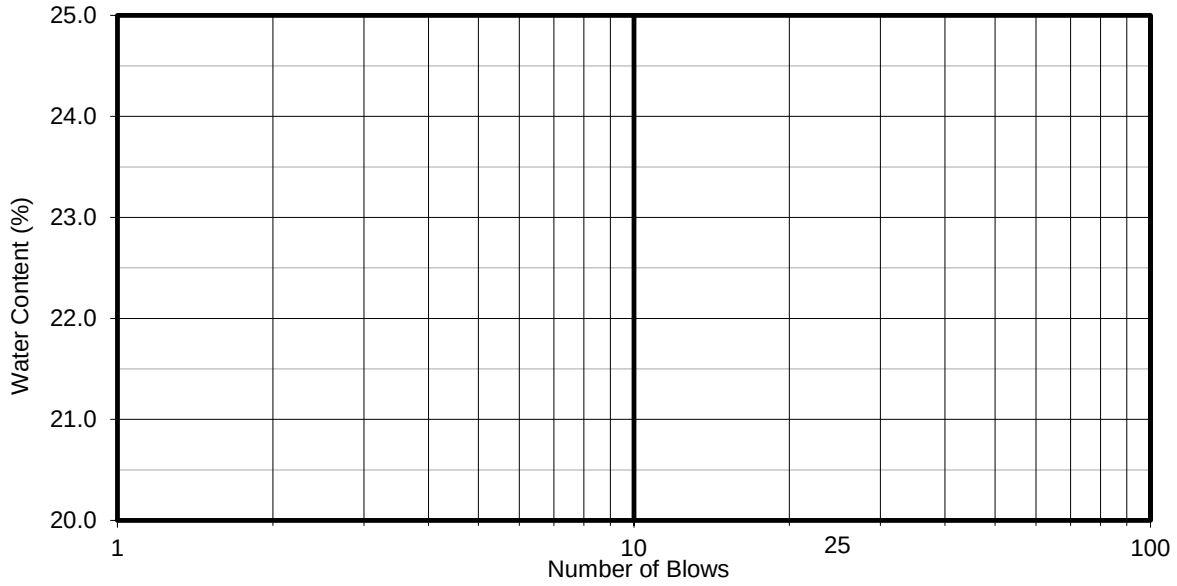
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G81**
Borehole:	**SRK21-OP-BD-11**
Sample Number:	**35105**
Depth of Sample:	**35.1m - 35.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						3198.05			
MASS DRY SOIL + TARE (g)						2914.88			
MASS OF WATER (g)						283.17			
MASS OF CONTAINER (g)						246.92			
MASS OF DRY SOIL (g)						2667.96			
WATER CONTENT W (%)						10.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

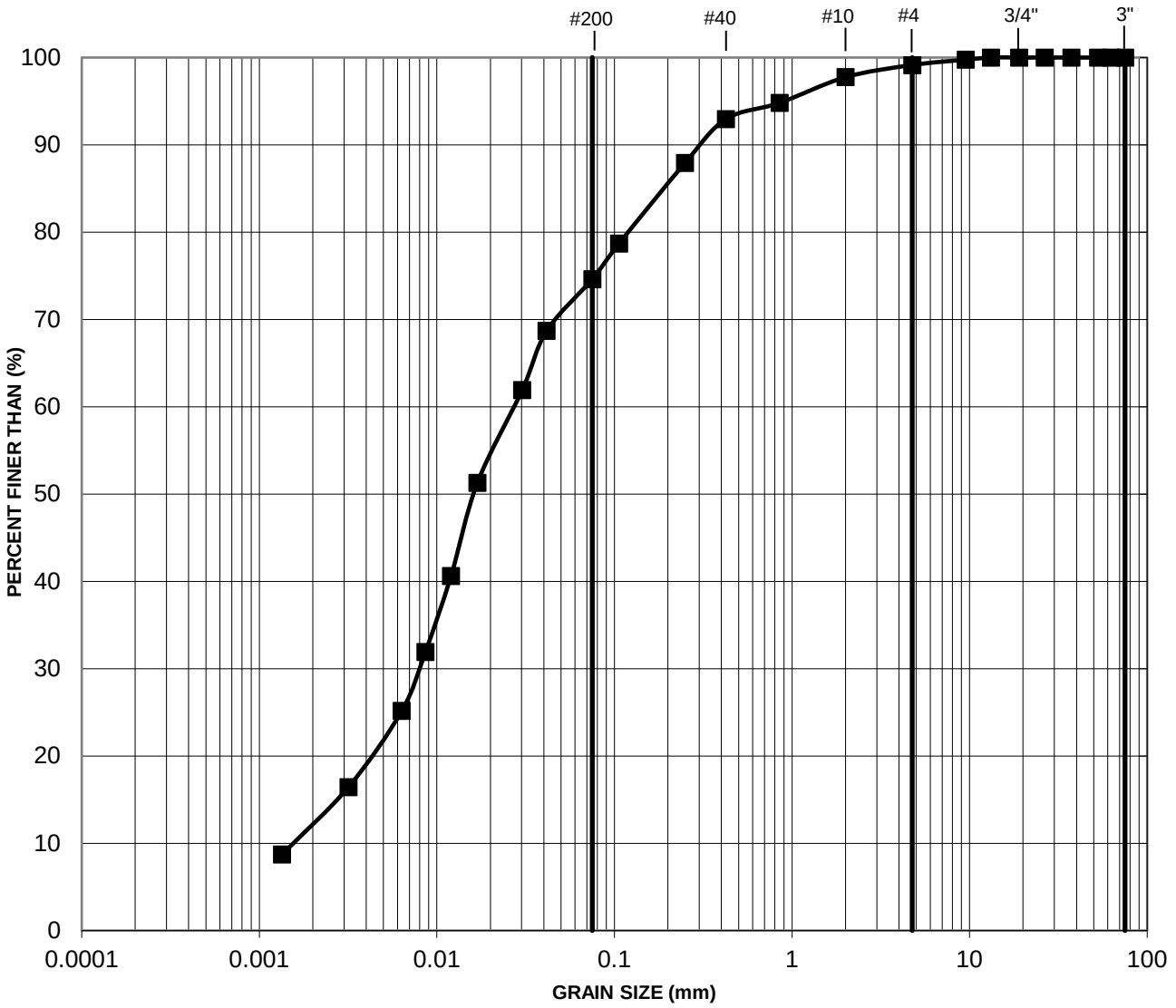


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-11	35108	37.8m - 38.1m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

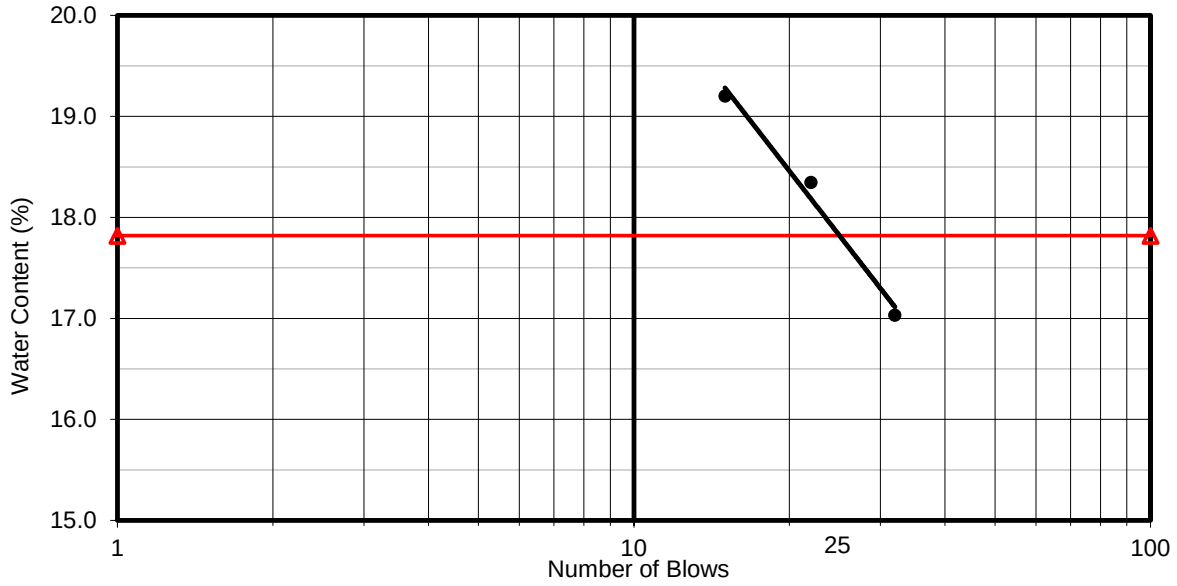
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G82**
Borehole:	**SRK21-OP-BD-11**
Sample Number:	**35108**
Depth of Sample:	**37.8m - 38.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2m	7m	18			X	5m	10m	
NUMBER OF BLOWS	15	22	32			X	X	X	X
MASS WET SOIL + TARE (g)	18.60	17.71	18.98			2034.5	25.85	26.08	
MASS DRY SOIL + TARE (g)	16.77	16.09	17.27			1885.8	24.31	24.63	
MASS OF WATER (g)	1.83	1.62	1.71			148.70	1.54	1.45	
MASS OF CONTAINER (g)	7.24	7.26	7.23			244.71	13.71	13.85	
MASS OF DRY SOIL (g)	9.53	8.83	10.04			1641.1	10.60	10.78	
WATER CONTENT W (%)	19.2	18.3	17.0			9.1	14.5	13.5	

LIQUID LIMIT (%)	**17.8**
PLASTIC LIMIT (%)	**14.0**
PLASTICITY INDEX (%)	**3.8**
W NATURAL (%)	**9.1**
LIQUIDITY INDEX	**-1.29**

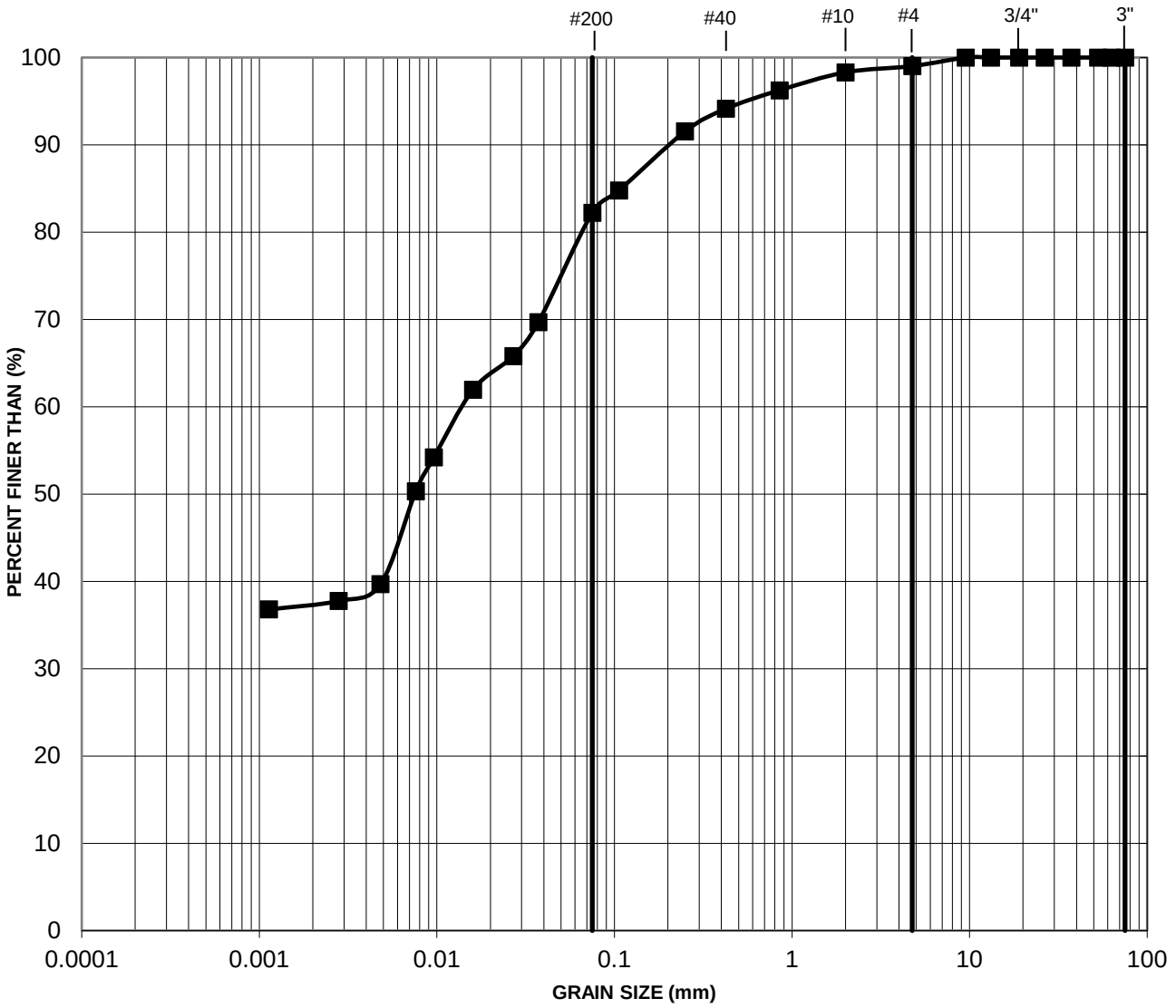


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35110	1.8m - 2.1m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

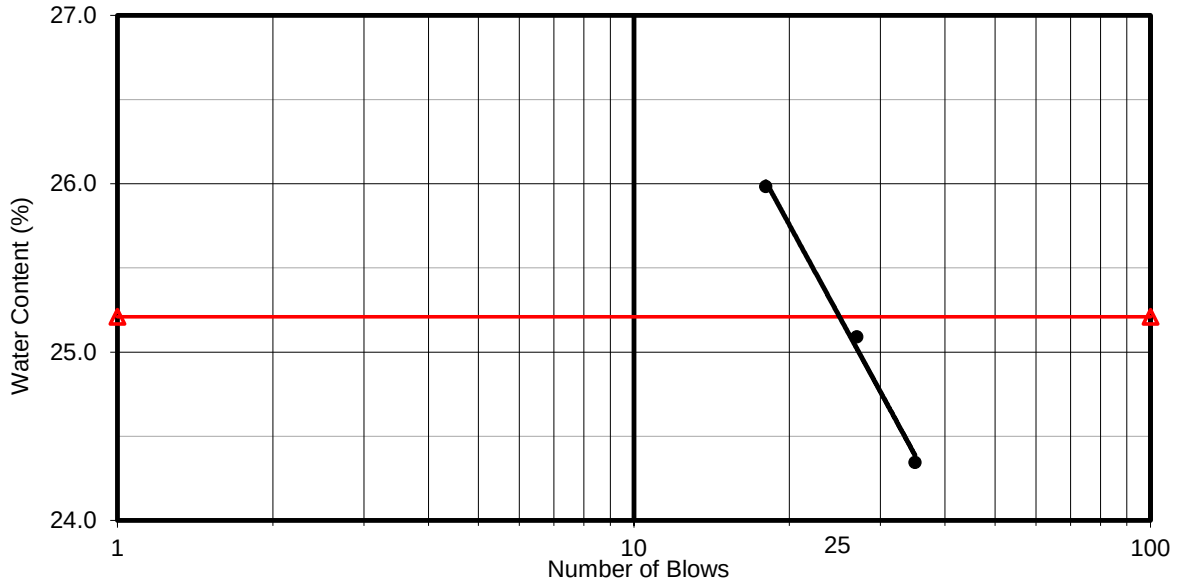
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 14, 2022**
Technician:	**HAB**
Lab Number:	**G83**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35110**
Depth of Sample:	**1.8m - 2.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	53	77	401			X	r8	ab16	
NUMBER OF BLOWS	35	27	18			X	X	X	X
MASS WET SOIL + TARE (g)	22.38	21.35	22.86			914.51	25.64	25.69	
MASS DRY SOIL + TARE (g)	20.15	19.29	20.42			840.47	24.14	24.13	
MASS OF WATER (g)	2.23	2.06	2.44			74.04	1.50	1.56	
MASS OF CONTAINER (g)	10.99	11.08	11.03			387.16	13.74	13.57	
MASS OF DRY SOIL (g)	9.16	8.21	9.39			453.31	10.40	10.56	
WATER CONTENT W (%)	24.3	25.1	26.0			16.3	14.4	14.8	

LIQUID LIMIT (%)	**25.2**
PLASTIC LIMIT (%)	**14.6**
PLASTICITY INDEX (%)	**10.6**
W NATURAL (%)	**16.3**
LIQUIDITY INDEX	**0.16**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 11, 2022**
Technician:	**HAB**
Lab Number:	**G84**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35112**
Depth of Sample:	**3.0m - 3.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	6l	9	10			X	1ml	r24	
NUMBER OF BLOWS	33	26	16			X	X	X	X
MASS WET SOIL + TARE (g)	18.75	17.33	19.59			104.77	25.72	26.38	
MASS DRY SOIL + TARE (g)	16.61	15.34	17.03			89.99	24.23	24.93	
MASS OF WATER (g)	2.14	1.99	2.56			14.78	1.49	1.45	
MASS OF CONTAINER (g)	7.25	7.12	7.09			1.96	13.89	14.60	
MASS OF DRY SOIL (g)	9.36	8.22	9.94			88.03	10.34	10.33	
WATER CONTENT W (%)	22.9	24.2	25.8			16.8	14.4	14.0	

LIQUID LIMIT (%)	**24.1**
PLASTIC LIMIT (%)	**14.2**
PLASTICITY INDEX (%)	**9.9**
W NATURAL (%)	**16.8**
LIQUIDITY INDEX	**0.26**

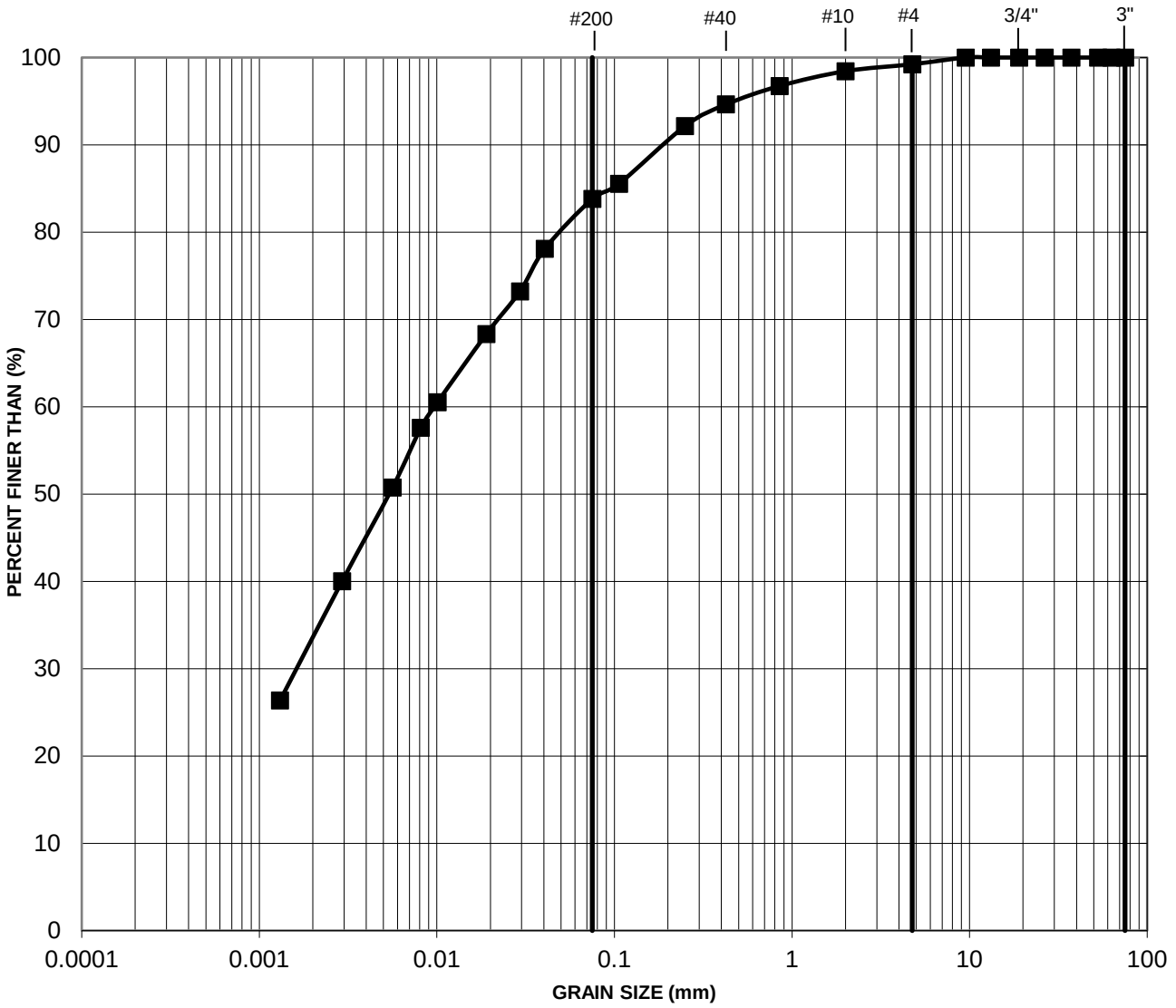


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35111	4.7m - 5.0m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

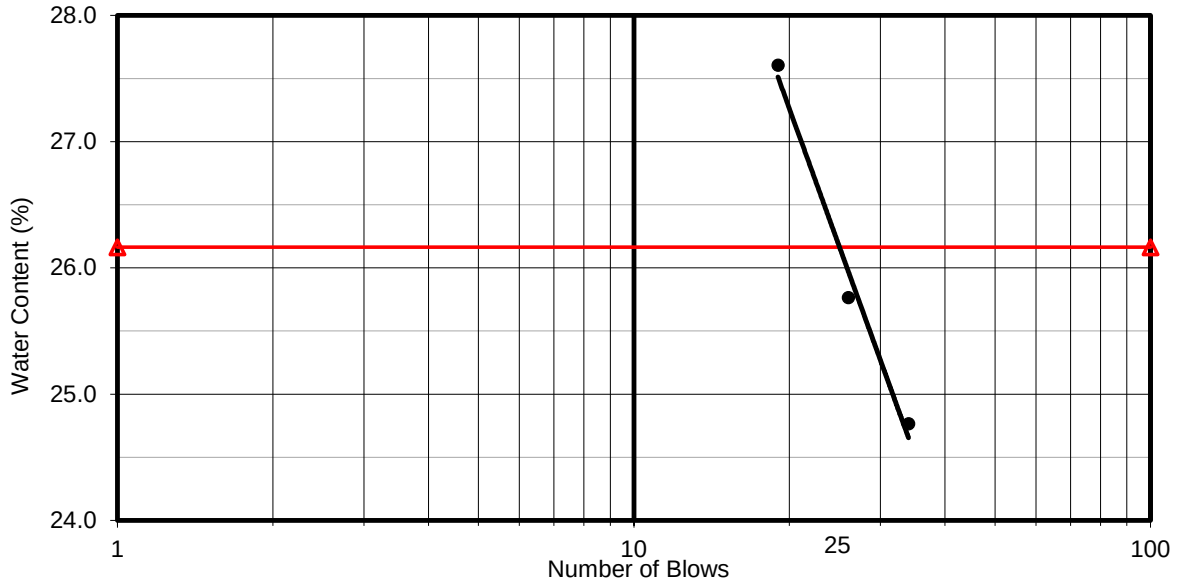
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 11, 2022**
Technician:	**HAB**
Lab Number:	**G85**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35111**
Depth of Sample:	**4.7m - 5.0m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1a	r9l	r24a			**X**	m	r11	
NUMBER OF BLOWS	34	26	19			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	19.21	20.04	19.67			595.42	26.22	26.35	
MASS DRY SOIL + TARE (g)	16.83	17.43	16.97			535.03	24.68	24.79	
MASS OF WATER (g)	2.38	2.61	2.70			60.39	1.54	1.56	
MASS OF CONTAINER (g)	7.22	7.30	7.19			242.13	14.05	14.17	
MASS OF DRY SOIL (g)	9.61	10.13	9.78			292.90	10.63	10.62	
WATER CONTENT W (%)	24.8	25.8	27.6			20.6	14.5	14.7	

LIQUID LIMIT (%)	**26.2**
PLASTIC LIMIT (%)	**14.6**
PLASTICITY INDEX (%)	**11.6**
W NATURAL (%)	**20.6**
LIQUIDITY INDEX	**0.52**

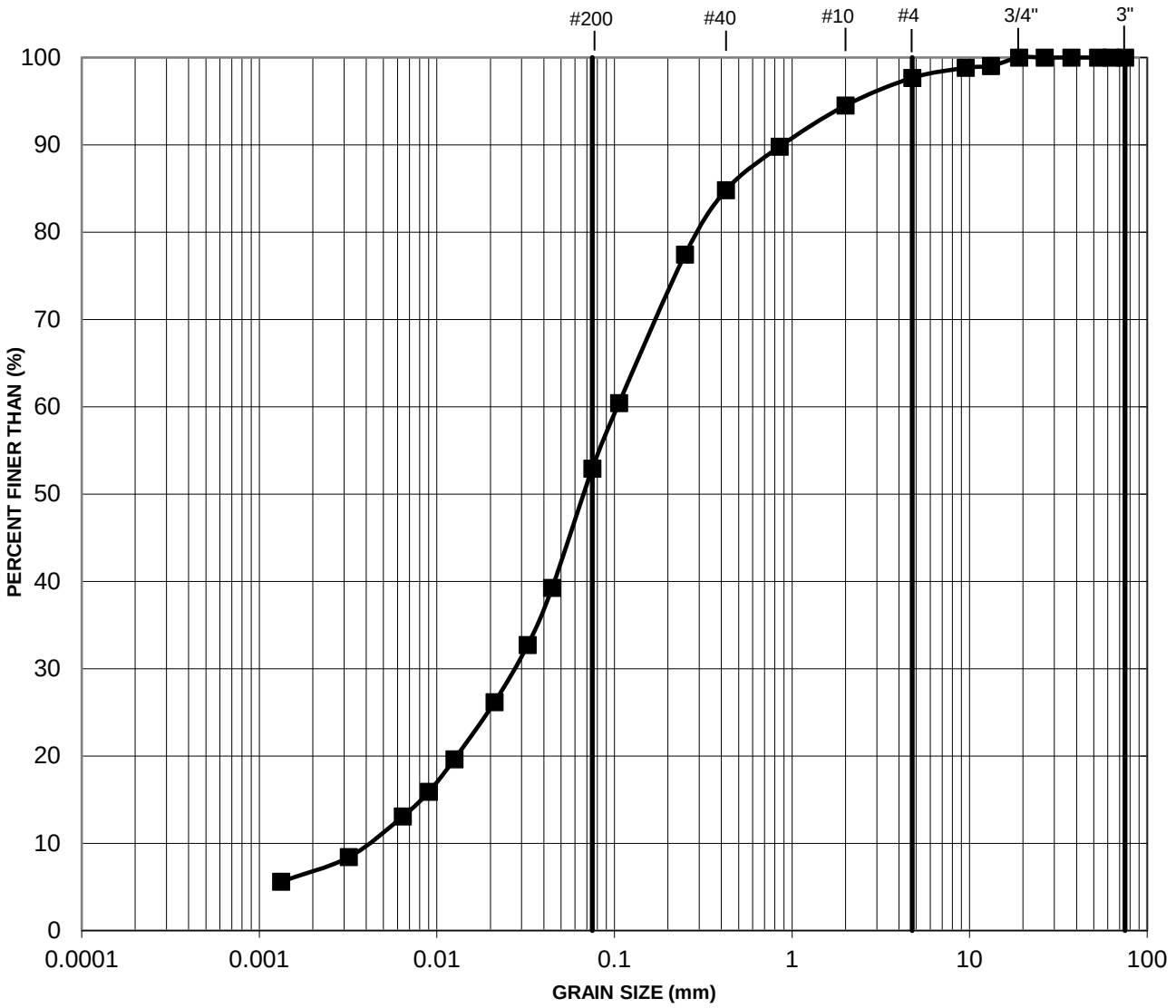


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35113	6.4m - 6.7m

Project No./Phase/Task: 21504835

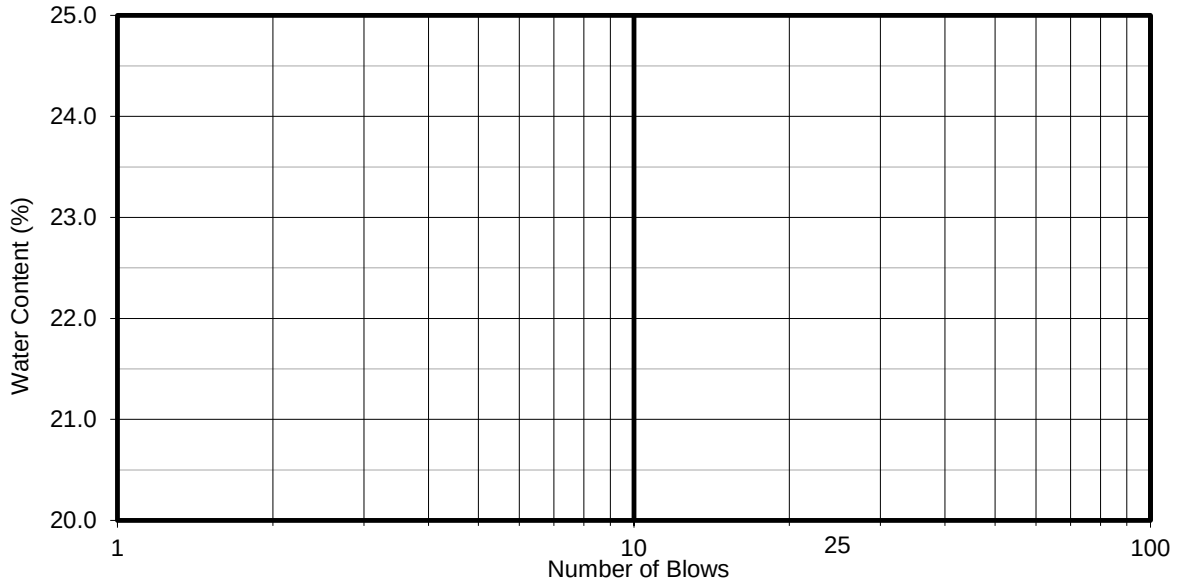
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G86**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35113**
Depth of Sample:	**6.4m - 6.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						3308.07			
MASS DRY SOIL + TARE (g)						3031.06			
MASS OF WATER (g)						277.01			
MASS OF CONTAINER (g)						244.87			
MASS OF DRY SOIL (g)						2786.19			
WATER CONTENT W (%)						9.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

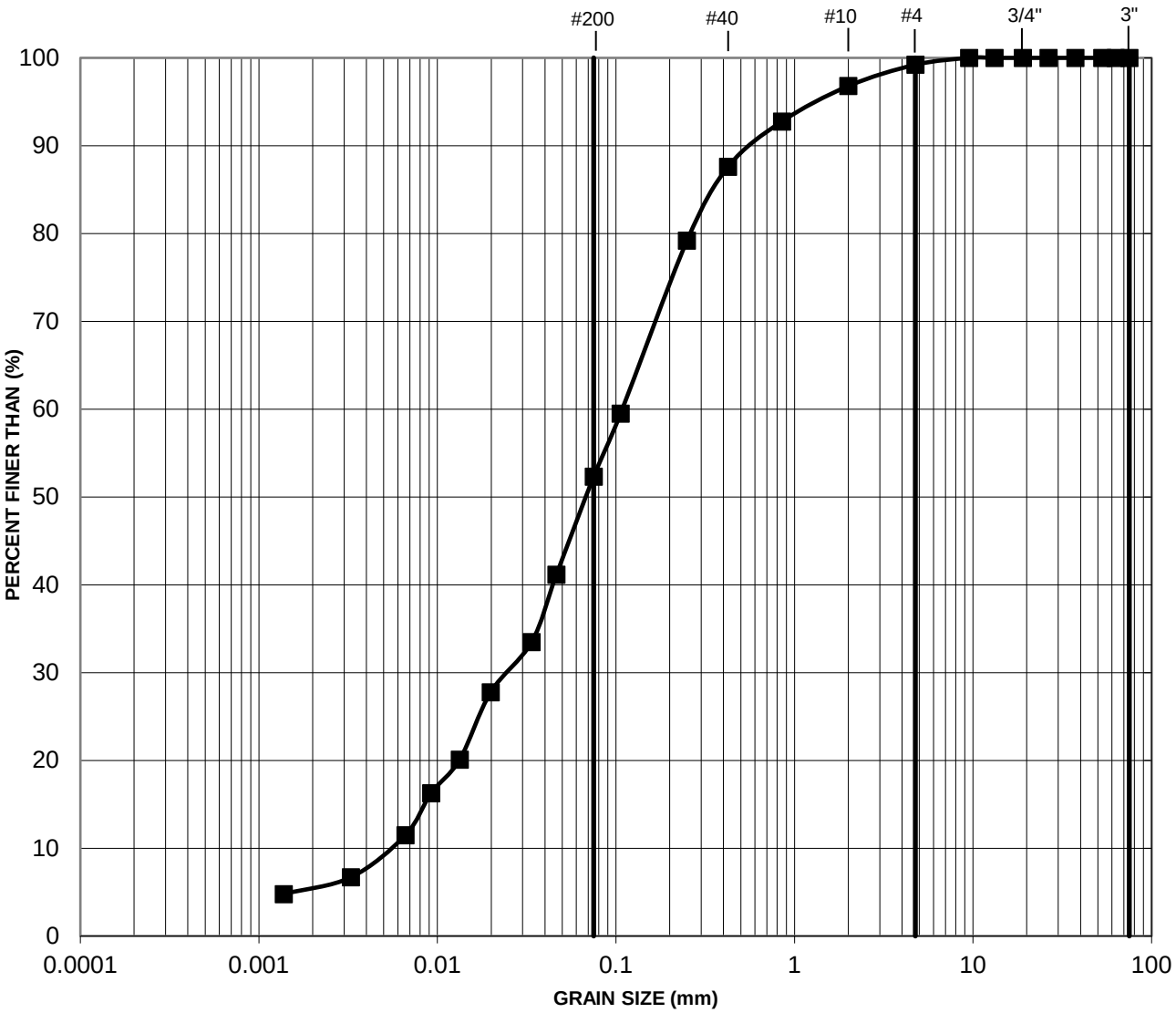


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35114	7.0m - 7.6m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

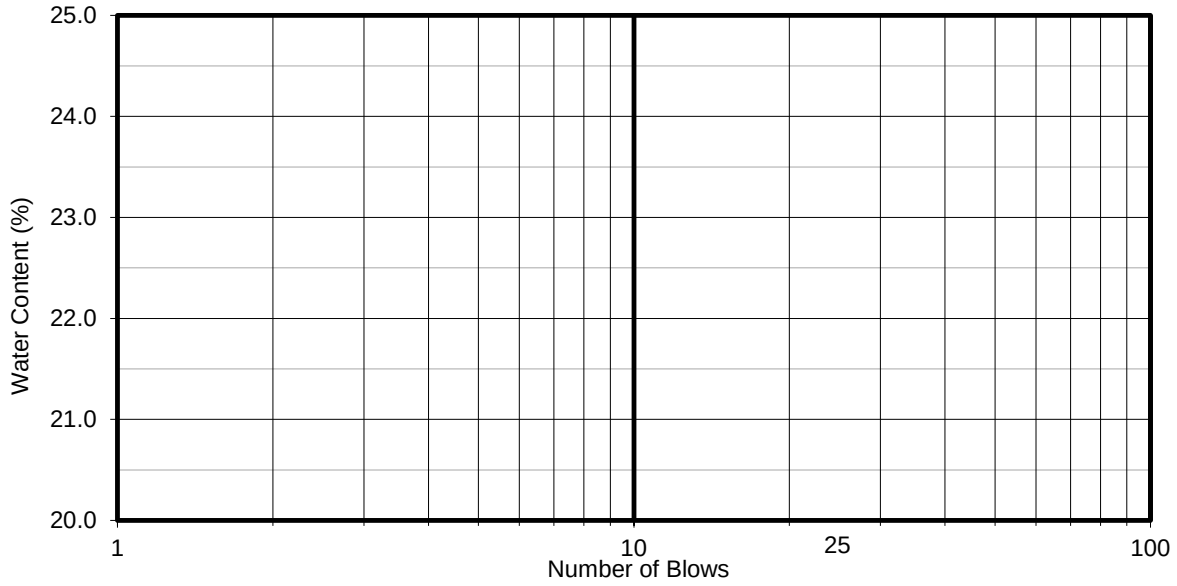
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G87**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35114**
Depth of Sample:	**7.0m - 7.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1705.51			
MASS DRY SOIL + TARE (g)						1555.53			
MASS OF WATER (g)						149.98			
MASS OF CONTAINER (g)						248.79			
MASS OF DRY SOIL (g)						1306.74			
WATER CONTENT W (%)						11.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

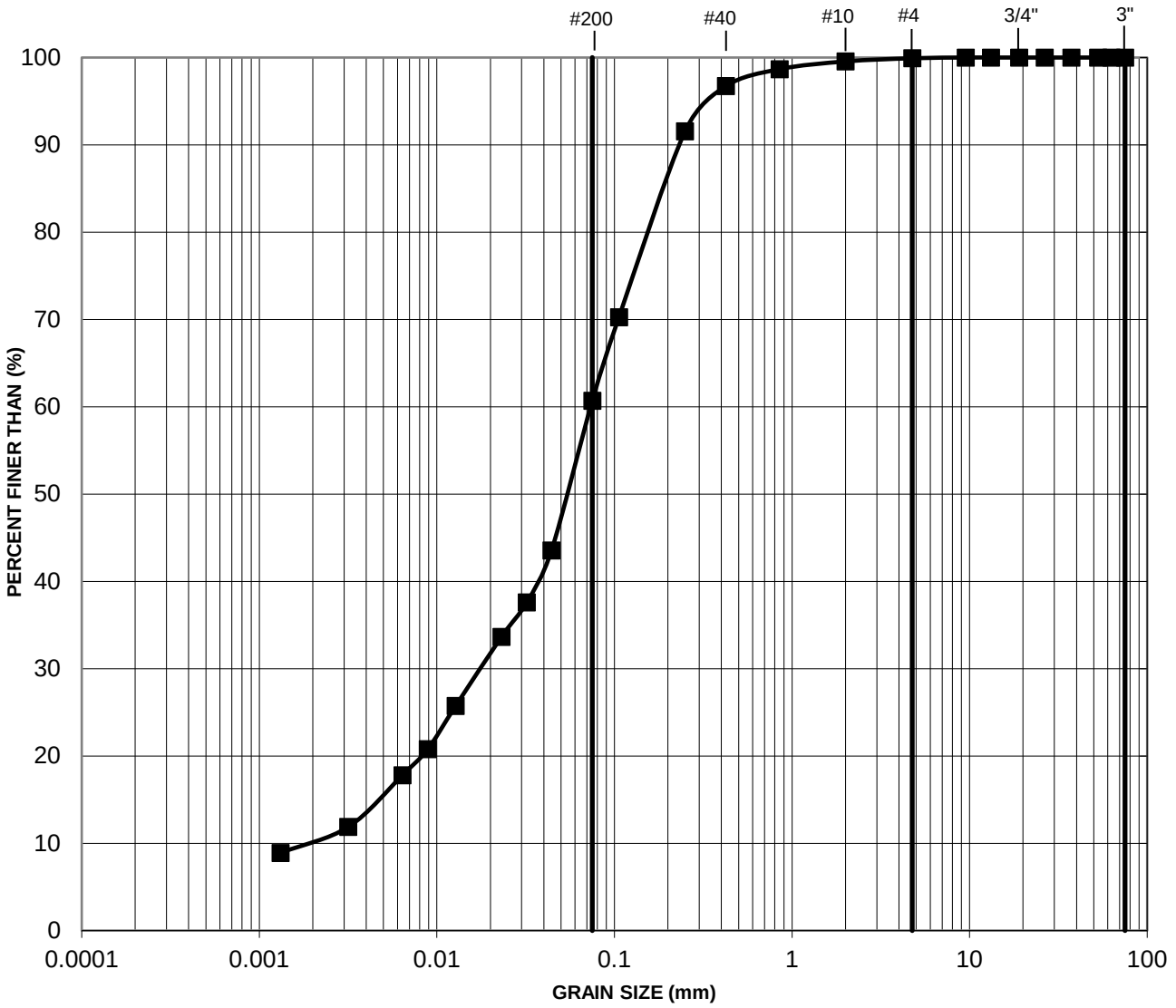


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35116	9.4m - 9.8m

Project No./Phase/Task: 21504835

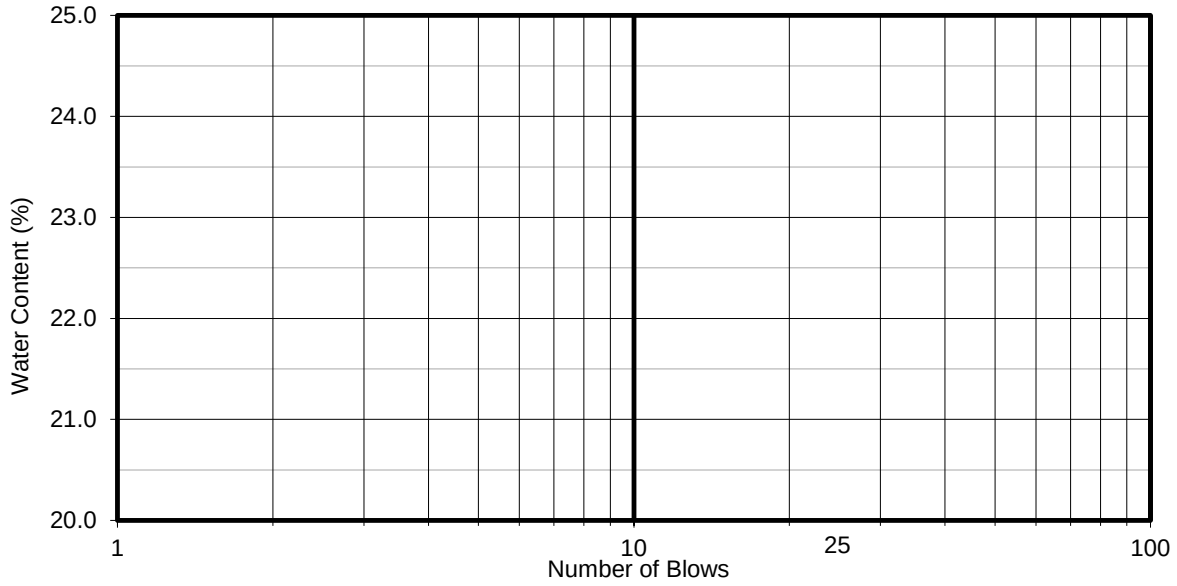
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G88**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35116**
Depth of Sample:	**9.4m - 9.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						3097.76			
MASS DRY SOIL + TARE (g)						2820.53			
MASS OF WATER (g)						277.23			
MASS OF CONTAINER (g)						242.30			
MASS OF DRY SOIL (g)						2578.23			
WATER CONTENT W (%)						10.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



SAMPLE DESCRIPTION:

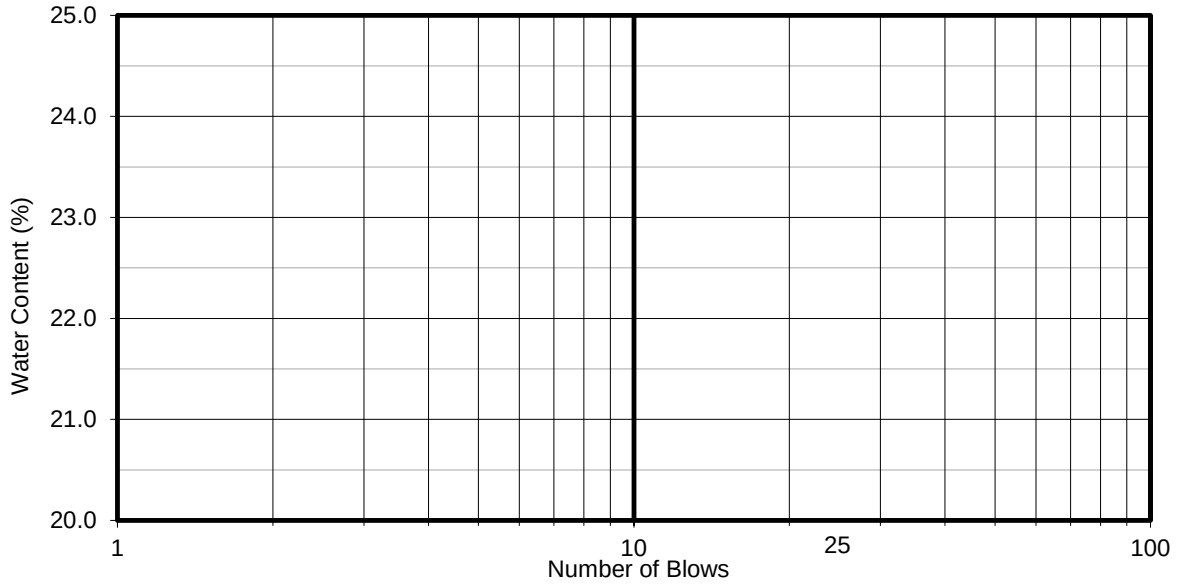
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 14, 2022**
Technician:	**HAB**
Lab Number:	**G89**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35119**
Depth of Sample:	**14.0m - 14.3m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						109.72			
MASS DRY SOIL + TARE (g)						94.41			
MASS OF WATER (g)						15.31			
MASS OF CONTAINER (g)						2.01			
MASS OF DRY SOIL (g)						92.40			
WATER CONTENT W (%)						16.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

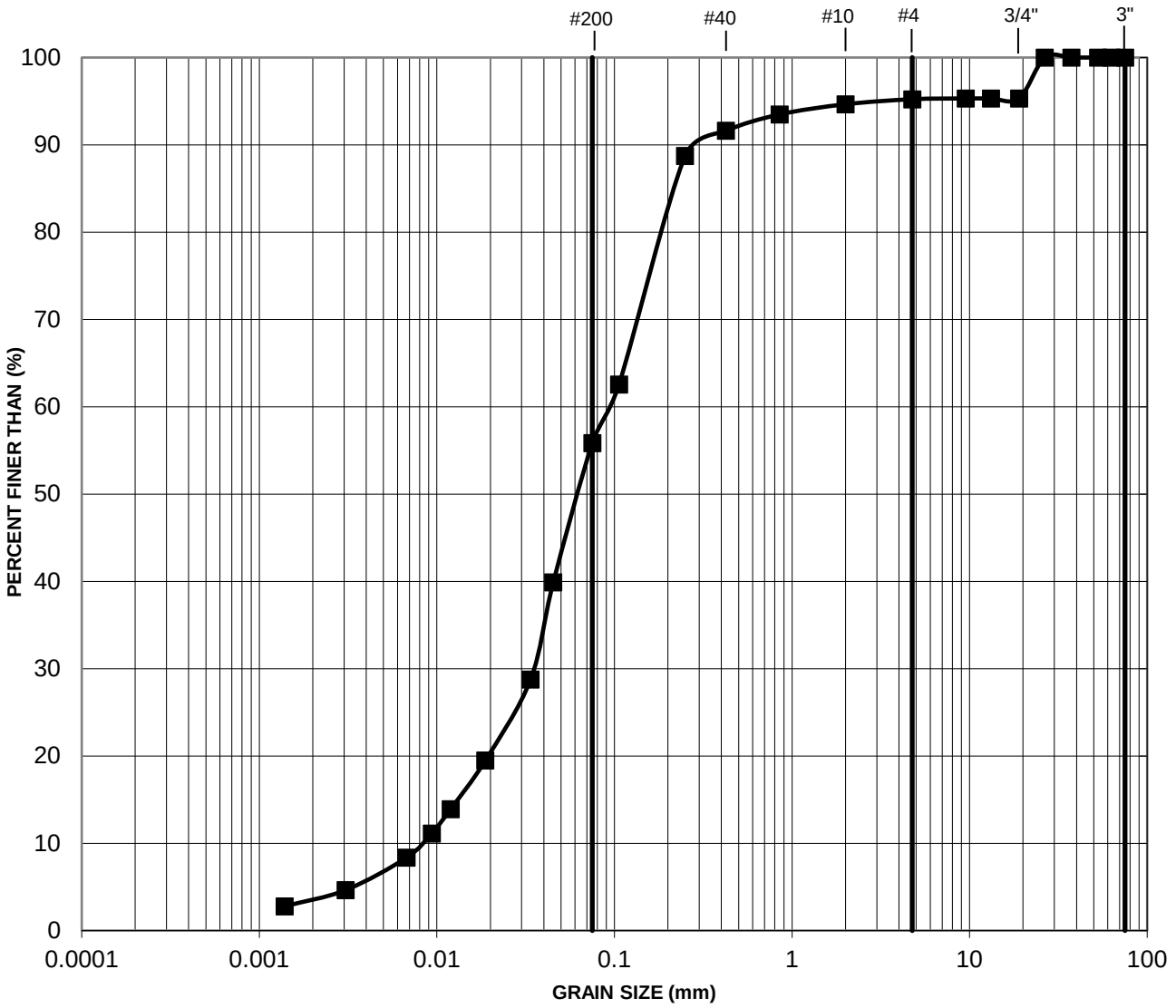


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35121	14.6m - 15.2m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

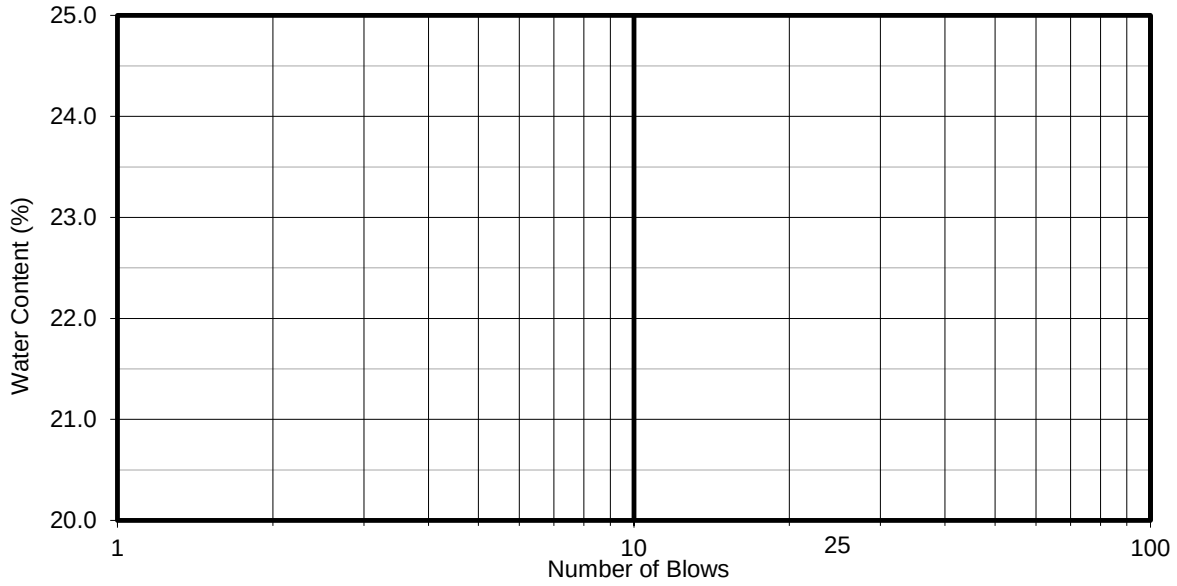
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G90**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35121**
Depth of Sample:	**14.6m - 15.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1794.29			
MASS DRY SOIL + TARE (g)						1604.49			
MASS OF WATER (g)						189.80			
MASS OF CONTAINER (g)						236.95			
MASS OF DRY SOIL (g)						1367.54			
WATER CONTENT W (%)						13.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

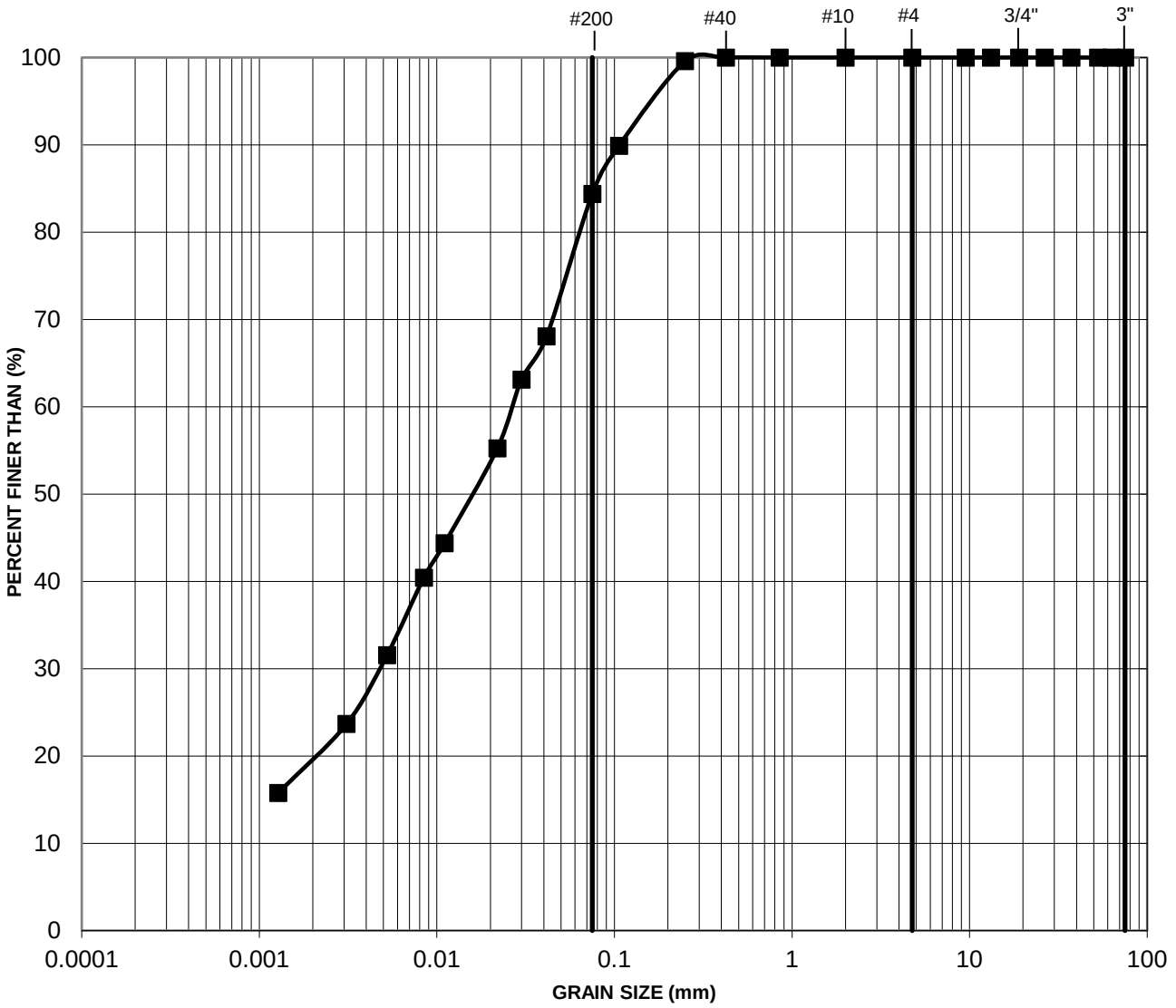


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35126	20.7m - 21.3m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

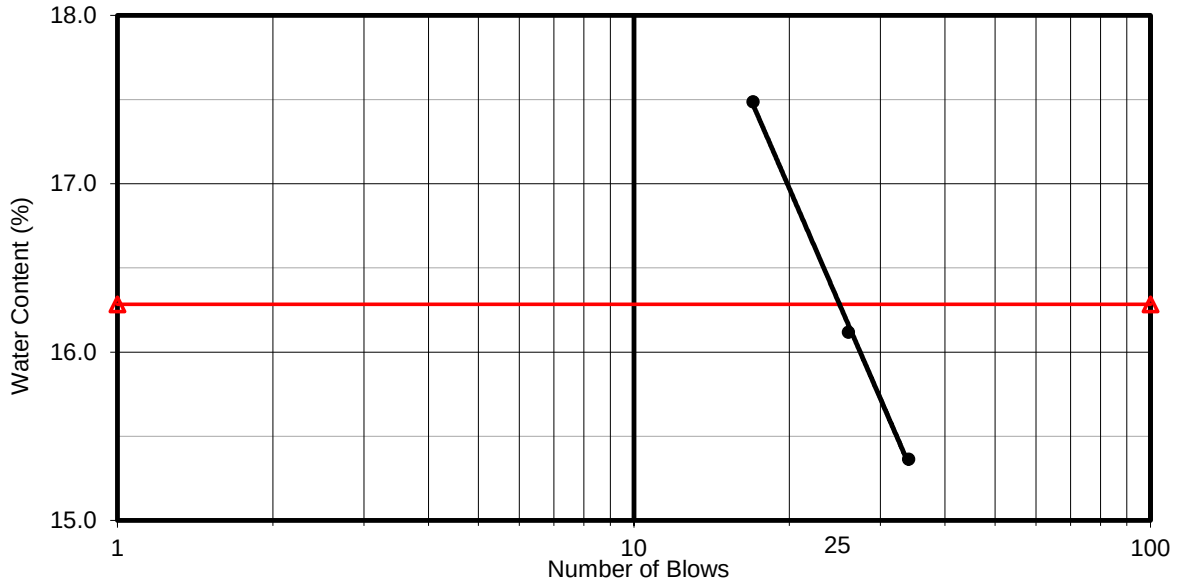
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 14, 2022**
Technician:	**HAB**
Lab Number:	**G91**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35126**
Depth of Sample:	**20.7m - 21.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	28	41	76			X	r2	r6	
NUMBER OF BLOWS	17	26	34			X	X	X	X
MASS WET SOIL + TARE (g)	22.72	22.33	24.38			858.24	26.65	26.95	
MASS DRY SOIL + TARE (g)	20.98	20.76	22.61			801.75	25.19	25.52	
MASS OF WATER (g)	1.74	1.57	1.77			56.49	1.46	1.43	
MASS OF CONTAINER (g)	11.03	11.02	11.09			385.40	13.91	14.23	
MASS OF DRY SOIL (g)	9.95	9.74	11.52			416.35	11.28	11.29	
WATER CONTENT W (%)	17.5	16.1	15.4			13.6	12.9	12.7	

LIQUID LIMIT (%)	**16.3**
PLASTIC LIMIT (%)	**12.8**
PLASTICITY INDEX (%)	**3.5**
W NATURAL (%)	**13.6**
LIQUIDITY INDEX	**0.22**

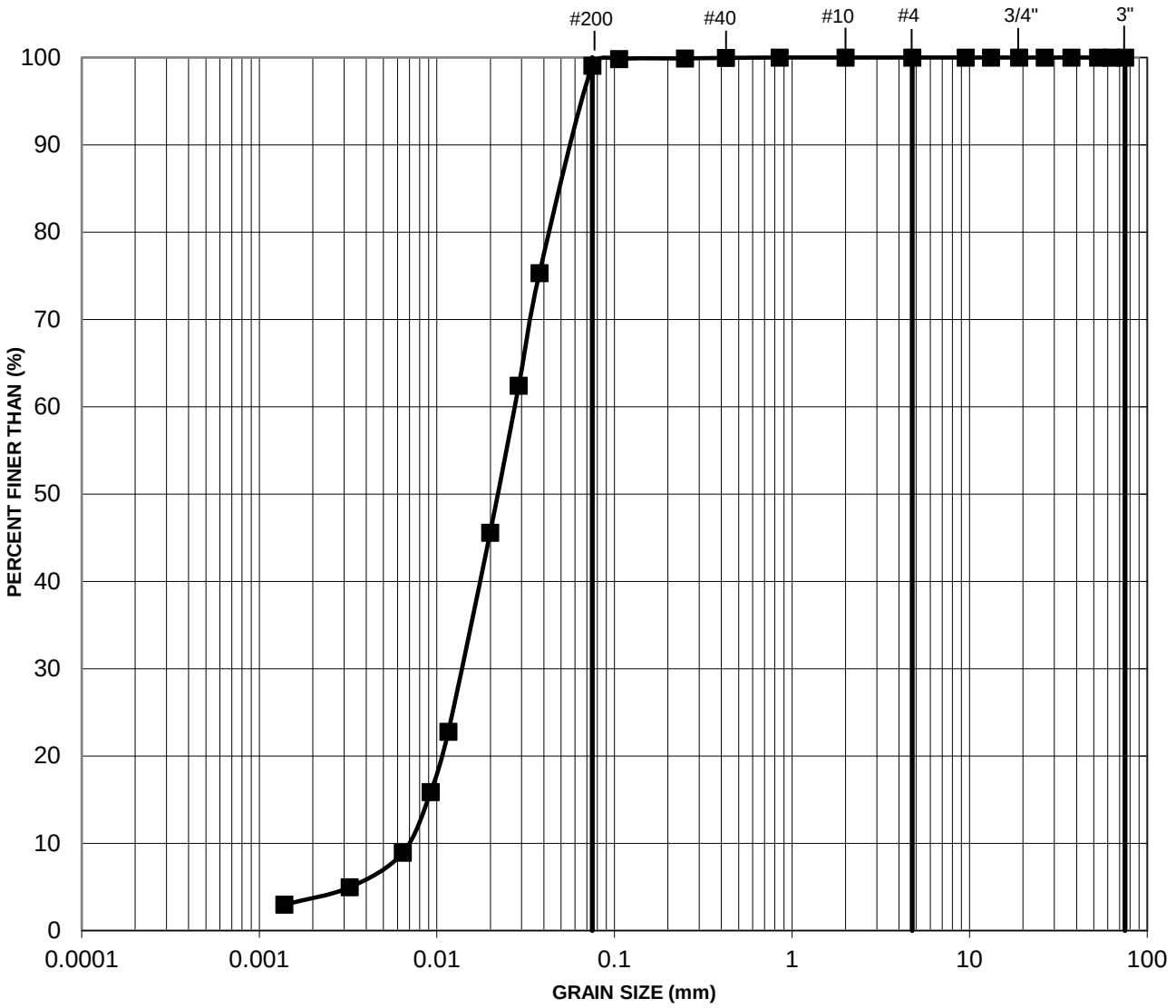


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35130	25.9m - 26.2m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

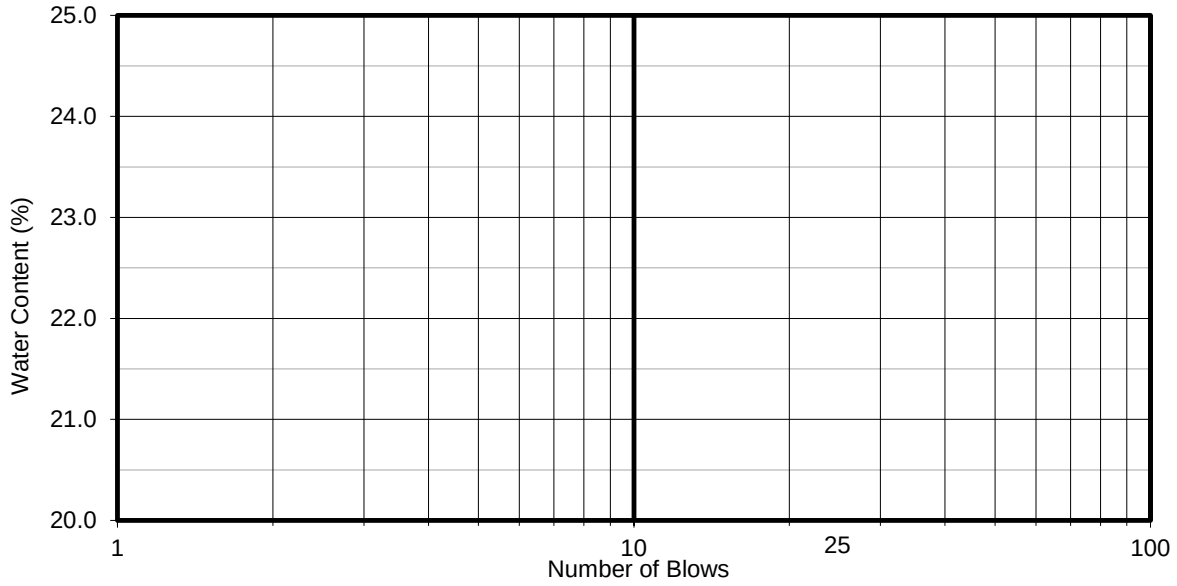
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 14, 2022**
Technician:	**HAB**
Lab Number:	**G92**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35130**
Depth of Sample:	**25.9m - 26.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						777.26			
MASS DRY SOIL + TARE (g)						705.20			
MASS OF WATER (g)						72.06			
MASS OF CONTAINER (g)						383.53			
MASS OF DRY SOIL (g)						321.67			
WATER CONTENT W (%)						22.4			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



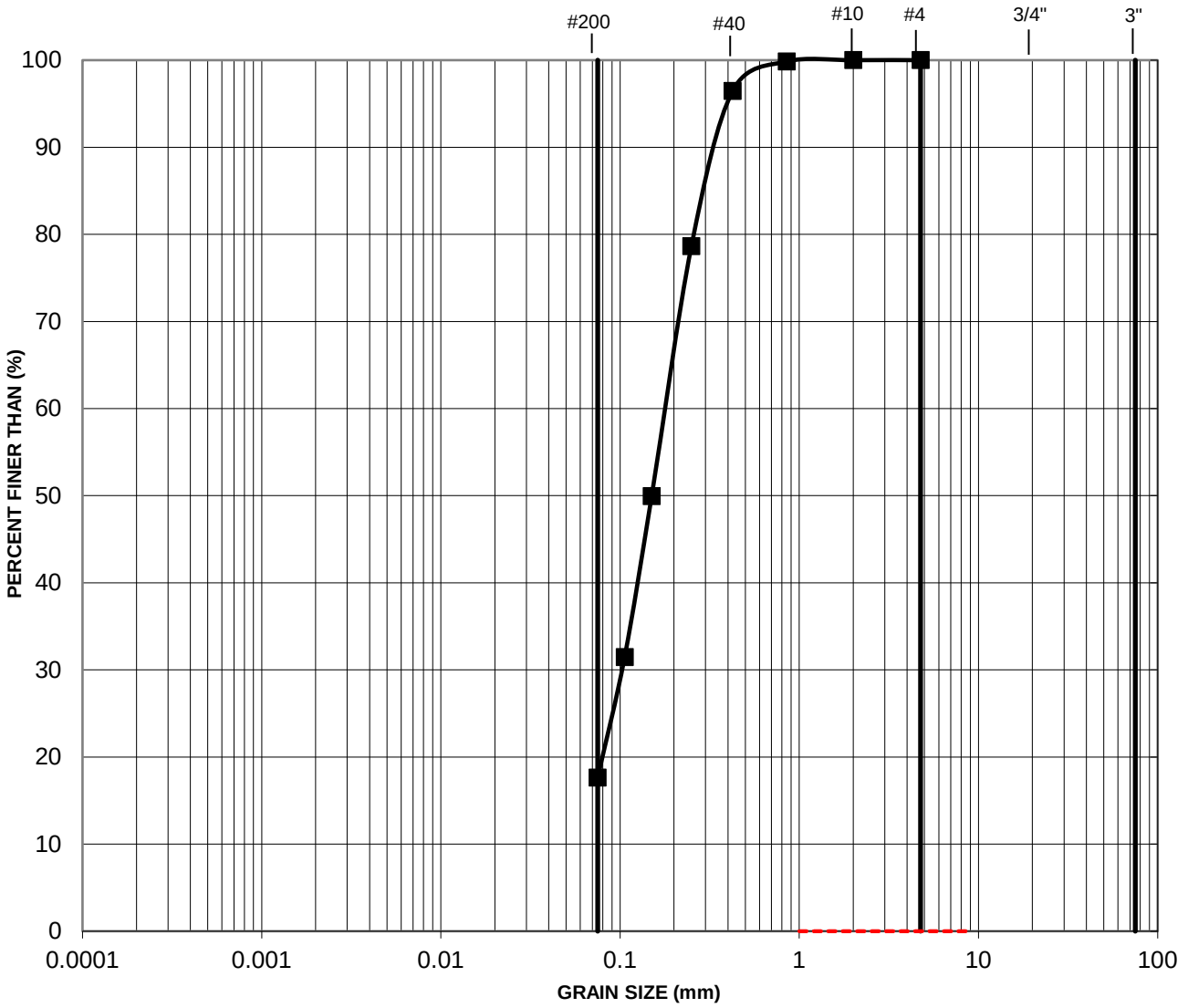
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BH-07	35133	29.9m - 30.5m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

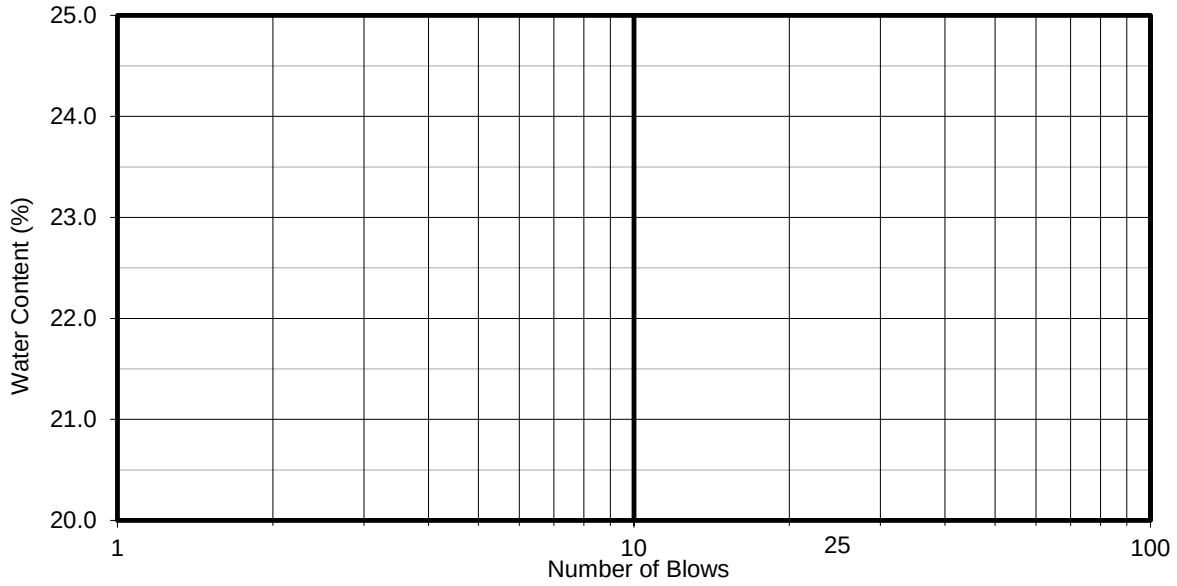
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G93**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35133**
Depth of Sample:	**29.9m - 30.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1753.61			
MASS DRY SOIL + TARE (g)						1549.75			
MASS OF WATER (g)						203.86			
MASS OF CONTAINER (g)						249.44			
MASS OF DRY SOIL (g)						1300.31			
WATER CONTENT W (%)						15.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



SAMPLE DESCRIPTION:

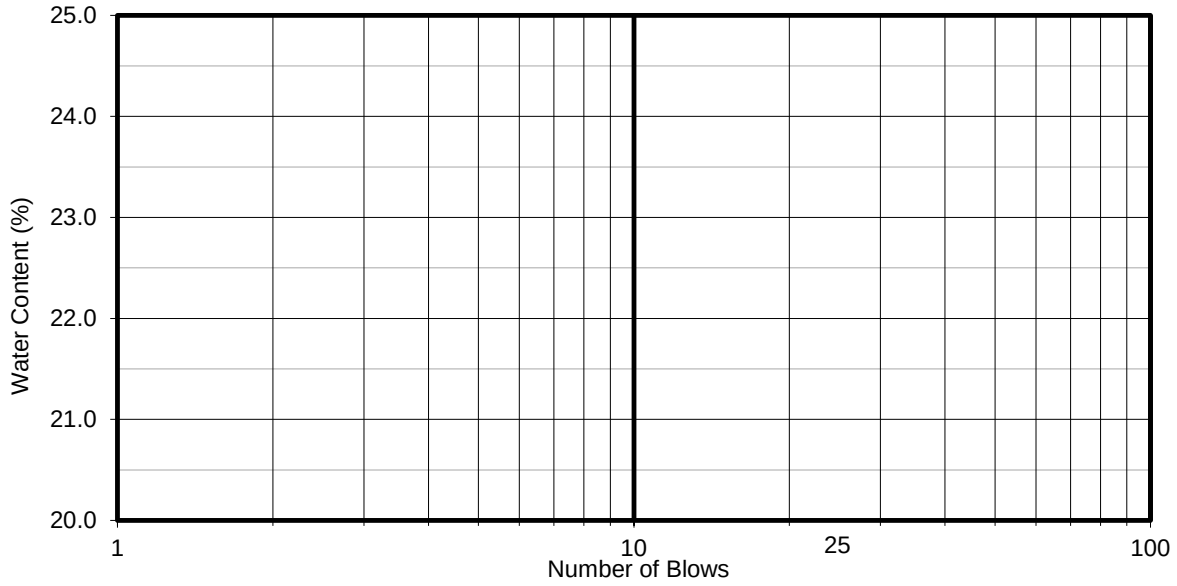
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G94**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35134**
Depth of Sample:	**30.8m - 31.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						709.69			
MASS DRY SOIL + TARE (g)						665.34			
MASS OF WATER (g)						44.35			
MASS OF CONTAINER (g)						304.91			
MASS OF DRY SOIL (g)						360.43			
WATER CONTENT W (%)						12.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

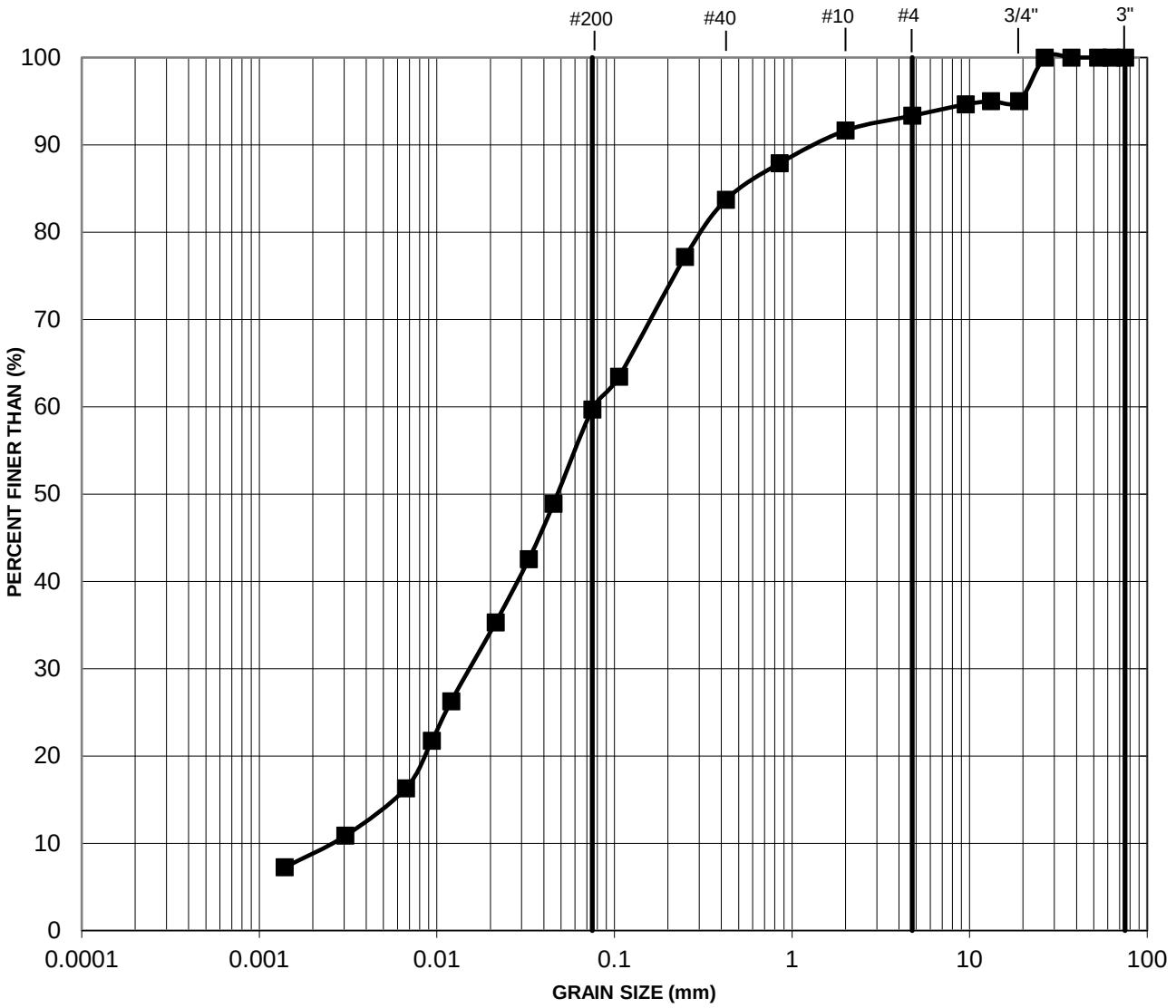


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35136	34.7m - 35.1m

Project No./Phase/Task: 21504835

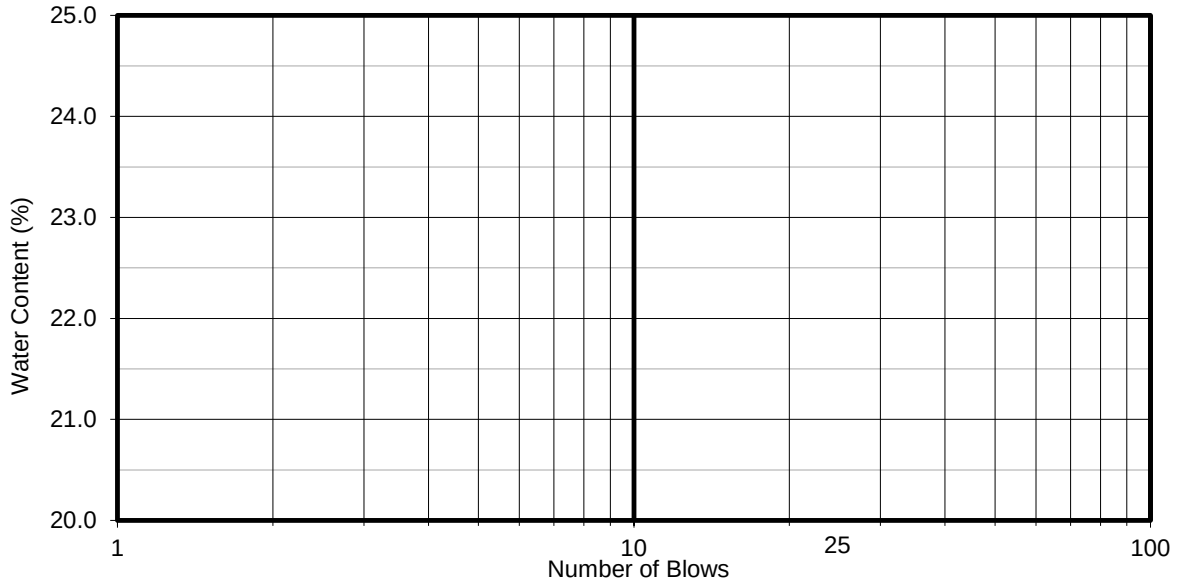
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G95**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35136**
Depth of Sample:	**34.7m - 35.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						2362.07			
MASS DRY SOIL + TARE (g)						2230.31			
MASS OF WATER (g)						131.76			
MASS OF CONTAINER (g)						240.86			
MASS OF DRY SOIL (g)						1989.45			
WATER CONTENT W (%)						6.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



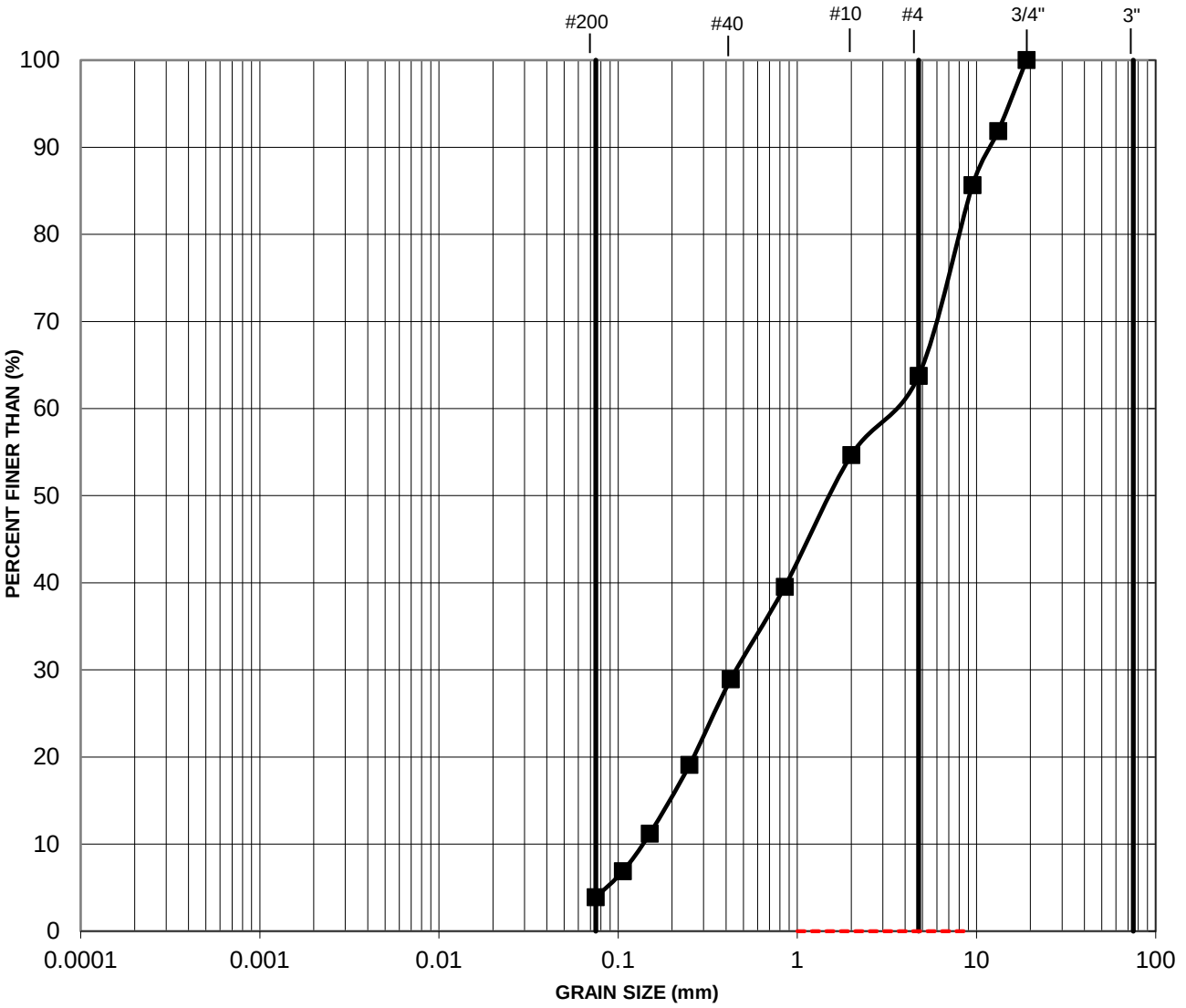
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-07	35138	39.0m - 39.6m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

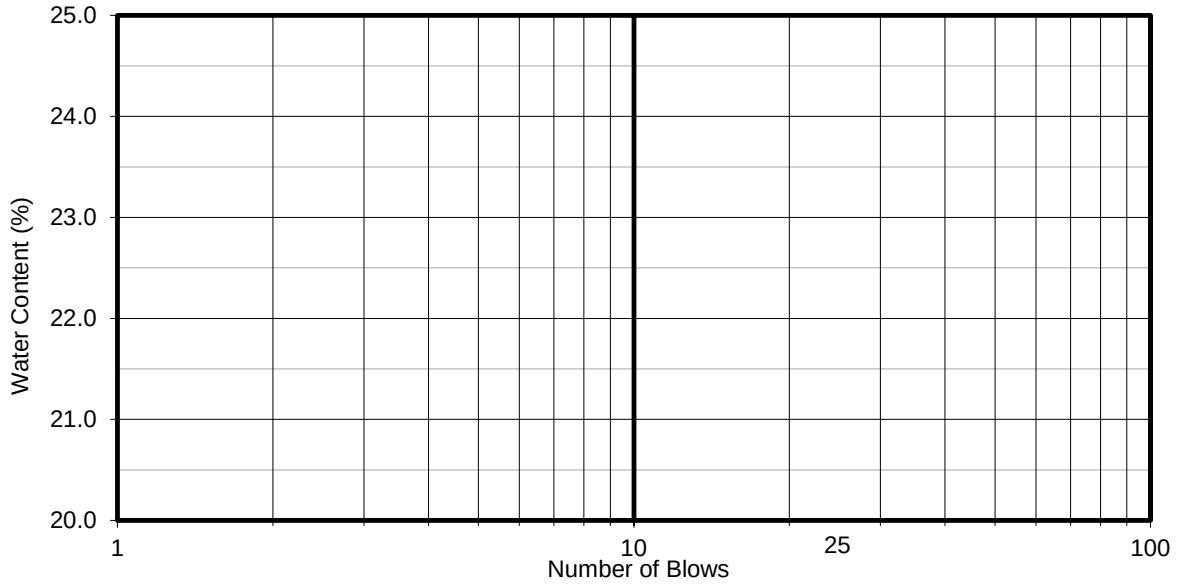
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 9, 2022**
Technician:	**HAB**
Lab Number:	**G96**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35138**
Depth of Sample:	**39.0m - 39.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						657.16			
MASS DRY SOIL + TARE (g)						619.51			
MASS OF WATER (g)						37.65			
MASS OF CONTAINER (g)						243.29			
MASS OF DRY SOIL (g)						376.22			
WATER CONTENT W (%)						10.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



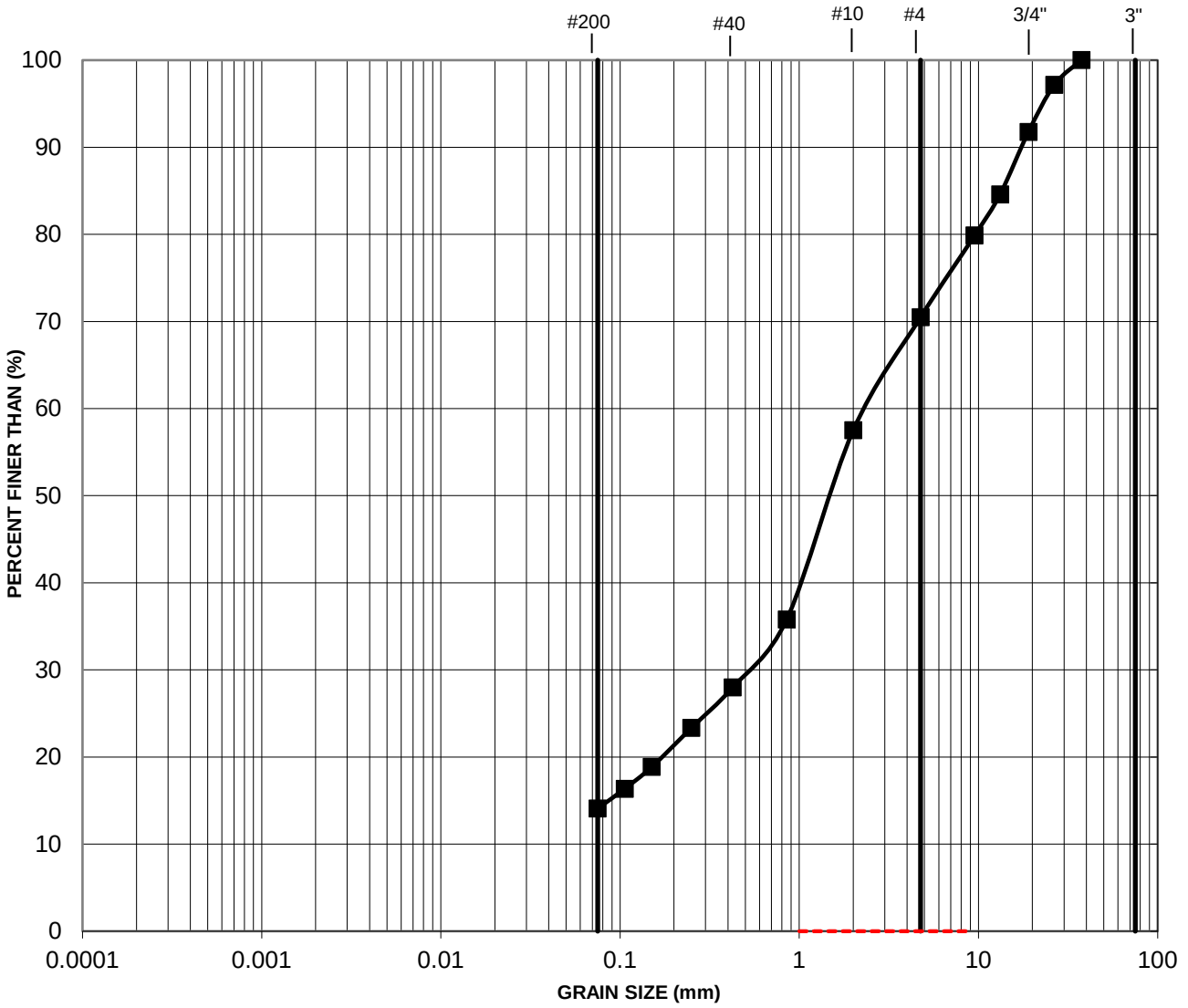
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BH-07	35143	44.2m - 44.5m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

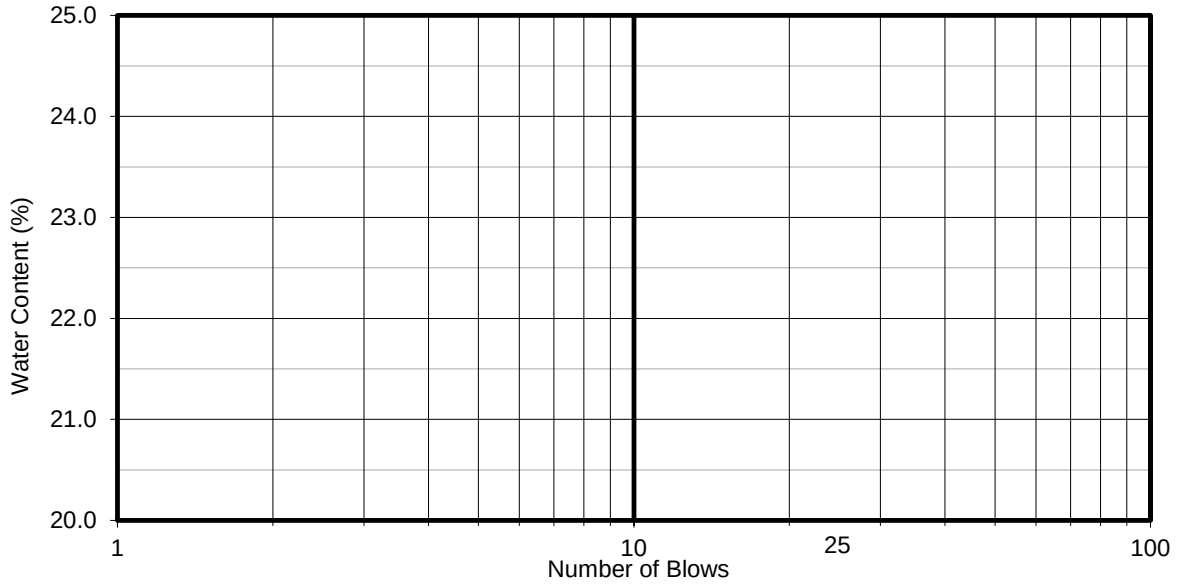
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G97**
Borehole:	**SRK21-OP-BH-07**
Sample Number:	**35143**
Depth of Sample:	**44.2m - 44.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						3566.16			
MASS DRY SOIL + TARE (g)						3348.12			
MASS OF WATER (g)						218.04			
MASS OF CONTAINER (g)						244.10			
MASS OF DRY SOIL (g)						3104.02			
WATER CONTENT W (%)						7.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

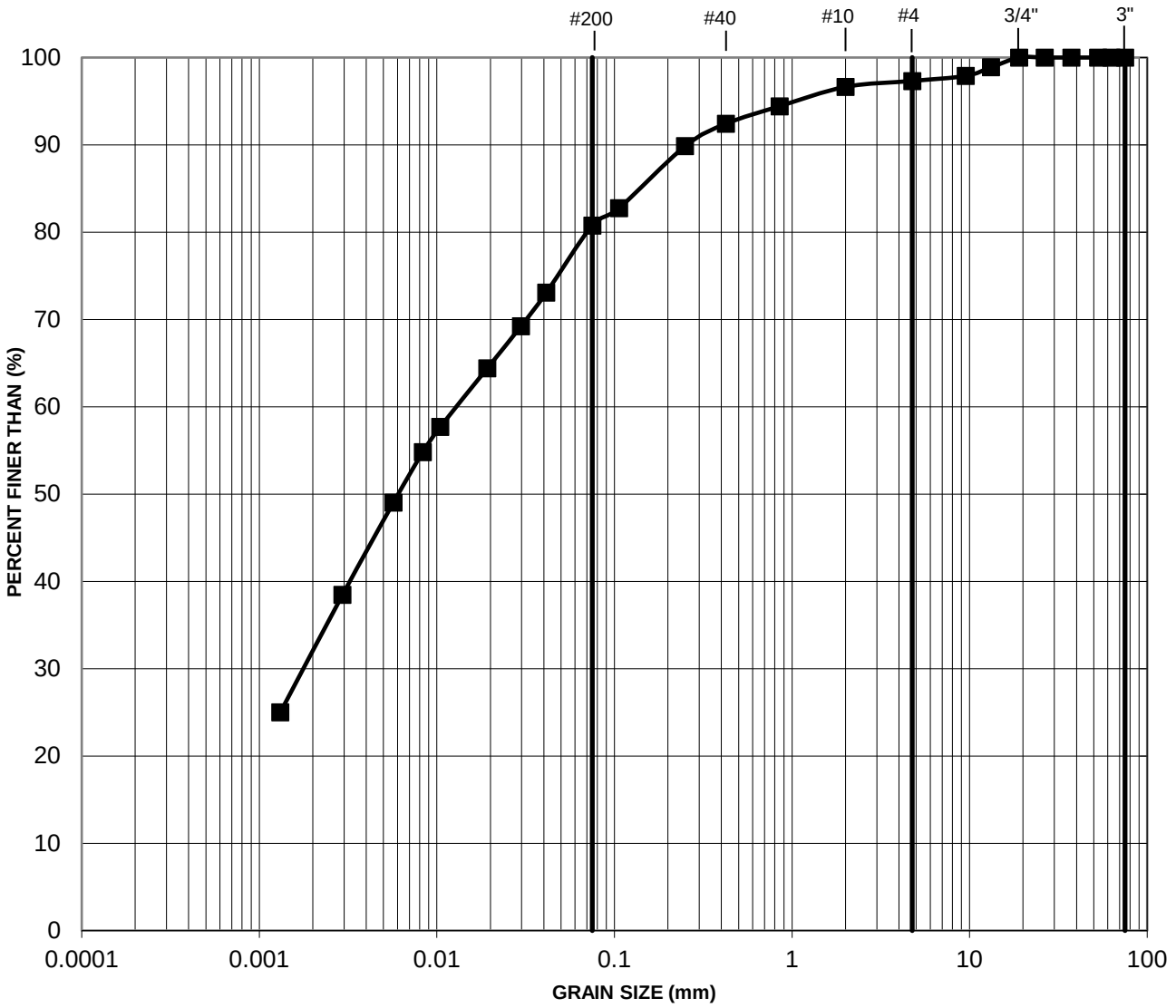


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-01	58454	4.9m - 5.2m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

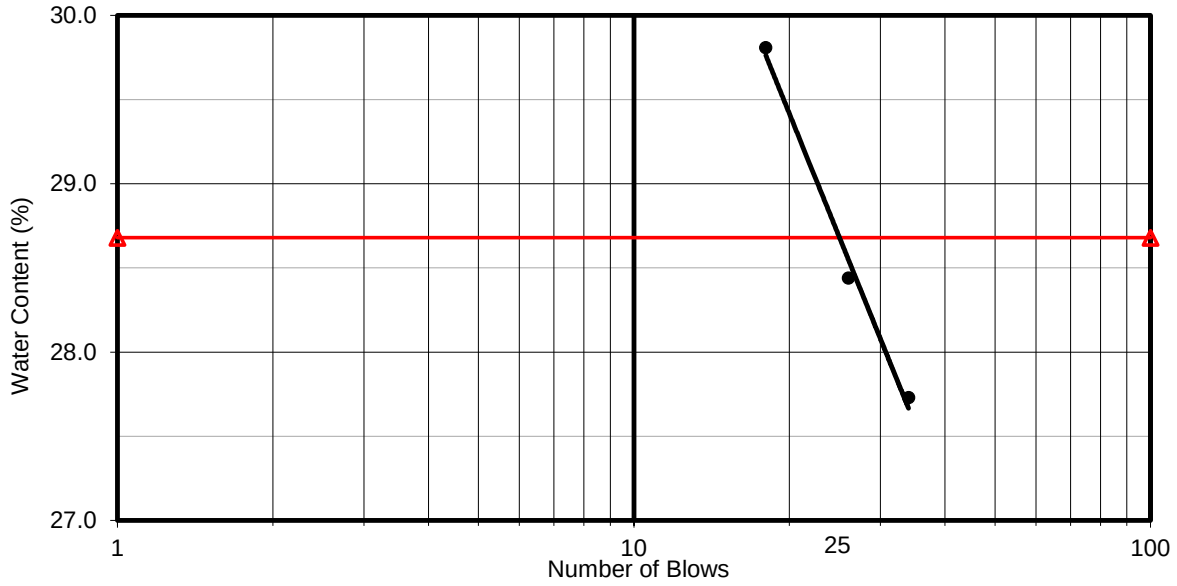
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G98**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58454**
Depth of Sample:	**4.9m - 5.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	R1	R11l	R14l			X	31	39	
NUMBER OF BLOWS	26	18	34			X	X	X	X
MASS WET SOIL + TARE (g)	18.53	18.87	17.71			922.63	33.17	33.04	
MASS DRY SOIL + TARE (g)	16.05	16.22	15.45			836.58	31.47	31.35	
MASS OF WATER (g)	2.48	2.65	2.26			86.05	1.70	1.69	
MASS OF CONTAINER (g)	7.33	7.33	7.30			384.91	21.24	21.00	
MASS OF DRY SOIL (g)	8.72	8.89	8.15			451.67	10.23	10.35	
WATER CONTENT W (%)	28.4	29.8	27.7			19.1	16.6	16.3	

LIQUID LIMIT (%)	**28.7**
PLASTIC LIMIT (%)	**16.5**
PLASTICITY INDEX (%)	**12.2**
W NATURAL (%)	**19.1**
LIQUIDITY INDEX	**0.21**



SAMPLE DESCRIPTION:

Reviewed by: TG

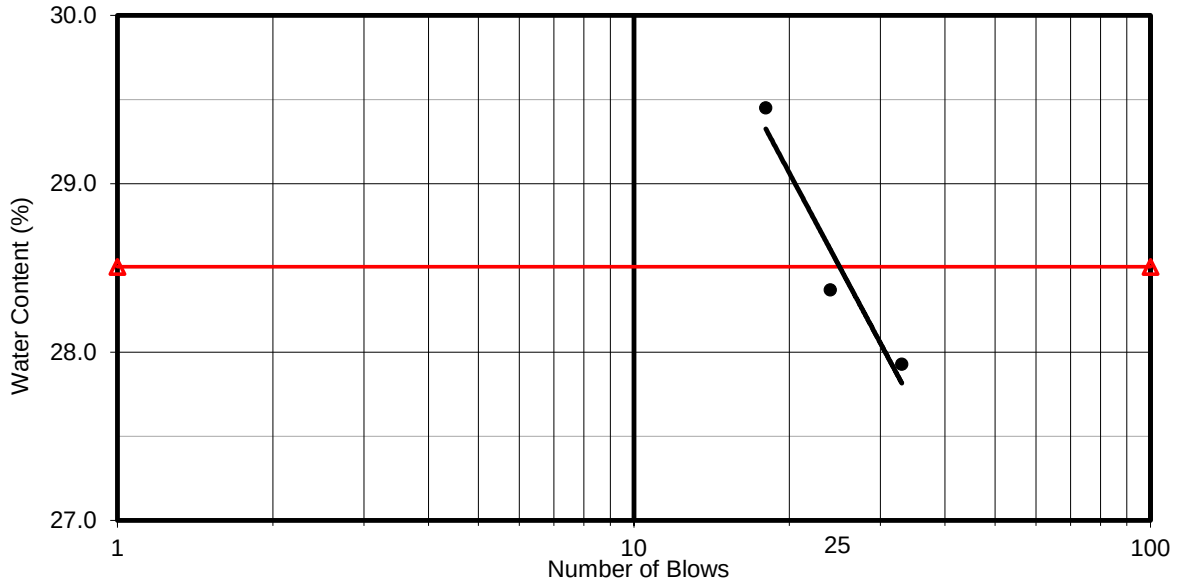
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 14, 2022**
Technician:	**HAB**
Lab Number:	**G99**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58455**
Depth of Sample:	**7.6m - 7.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	32	59	70			X	r4	mr04	
NUMBER OF BLOWS	33	18	24			X	X	X	X
MASS WET SOIL + TARE (g)	21.79	22.55	22.80			143.00	25.45	25.82	
MASS DRY SOIL + TARE (g)	19.43	19.92	20.19			115.56	23.90	24.21	
MASS OF WATER (g)	2.36	2.63	2.61			27.44	1.55	1.61	
MASS OF CONTAINER (g)	10.98	10.99	10.99			1.92	14.00	14.07	
MASS OF DRY SOIL (g)	8.45	8.93	9.20			113.64	9.90	10.14	
WATER CONTENT W (%)	27.9	29.5	28.4			24.1	15.7	15.9	

LIQUID LIMIT (%)	**28.5**
PLASTIC LIMIT (%)	**15.8**
PLASTICITY INDEX (%)	**12.7**
W NATURAL (%)	**24.1**
LIQUIDITY INDEX	**0.66**



SAMPLE DESCRIPTION:

Reviewed by: TG

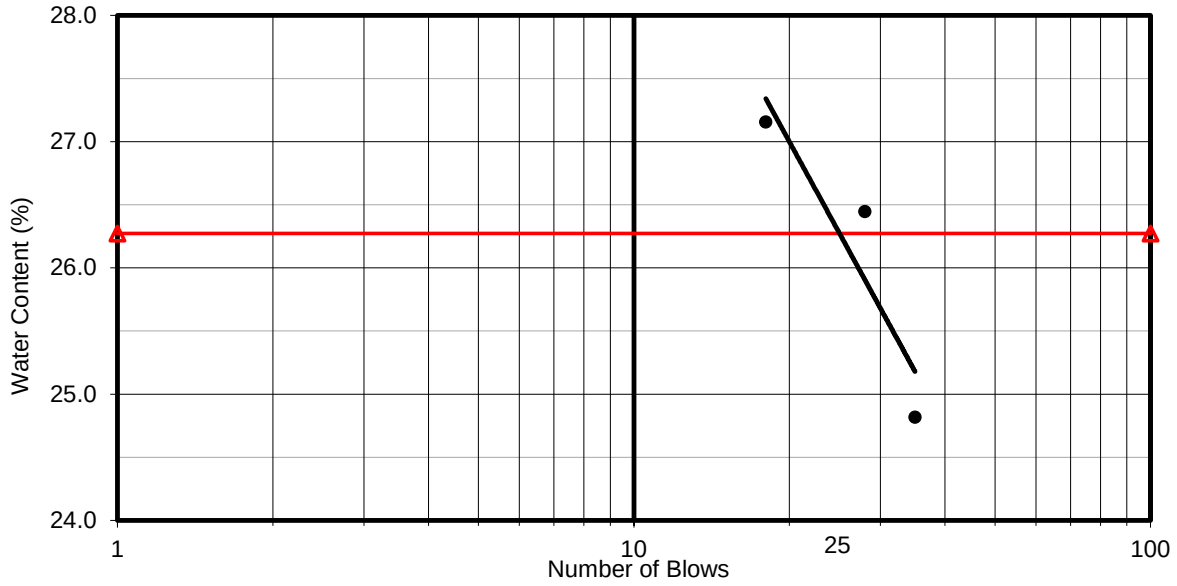
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 14, 2022**
Technician:	**HAB**
Lab Number:	**G100**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58456**
Depth of Sample:	**10.7m - 11.0m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	14	65	402			X	a	z	
NUMBER OF BLOWS	35	28	18			X	X	X	X
MASS WET SOIL + TARE (g)	21.48	22.55	24.20			113.77	26.27	26.37	
MASS DRY SOIL + TARE (g)	19.43	20.13	21.40			92.59	24.70	24.79	
MASS OF WATER (g)	2.05	2.42	2.80			21.18	1.57	1.58	
MASS OF CONTAINER (g)	11.17	10.98	11.09			1.99	14.17	14.29	
MASS OF DRY SOIL (g)	8.26	9.15	10.31			90.60	10.53	10.50	
WATER CONTENT W (%)	24.8	26.4	27.2			23.4	14.9	15.0	

LIQUID LIMIT (%)	**26.3**
PLASTIC LIMIT (%)	**15.0**
PLASTICITY INDEX (%)	**11.3**
W NATURAL (%)	**23.4**
LIQUIDITY INDEX	**0.74**

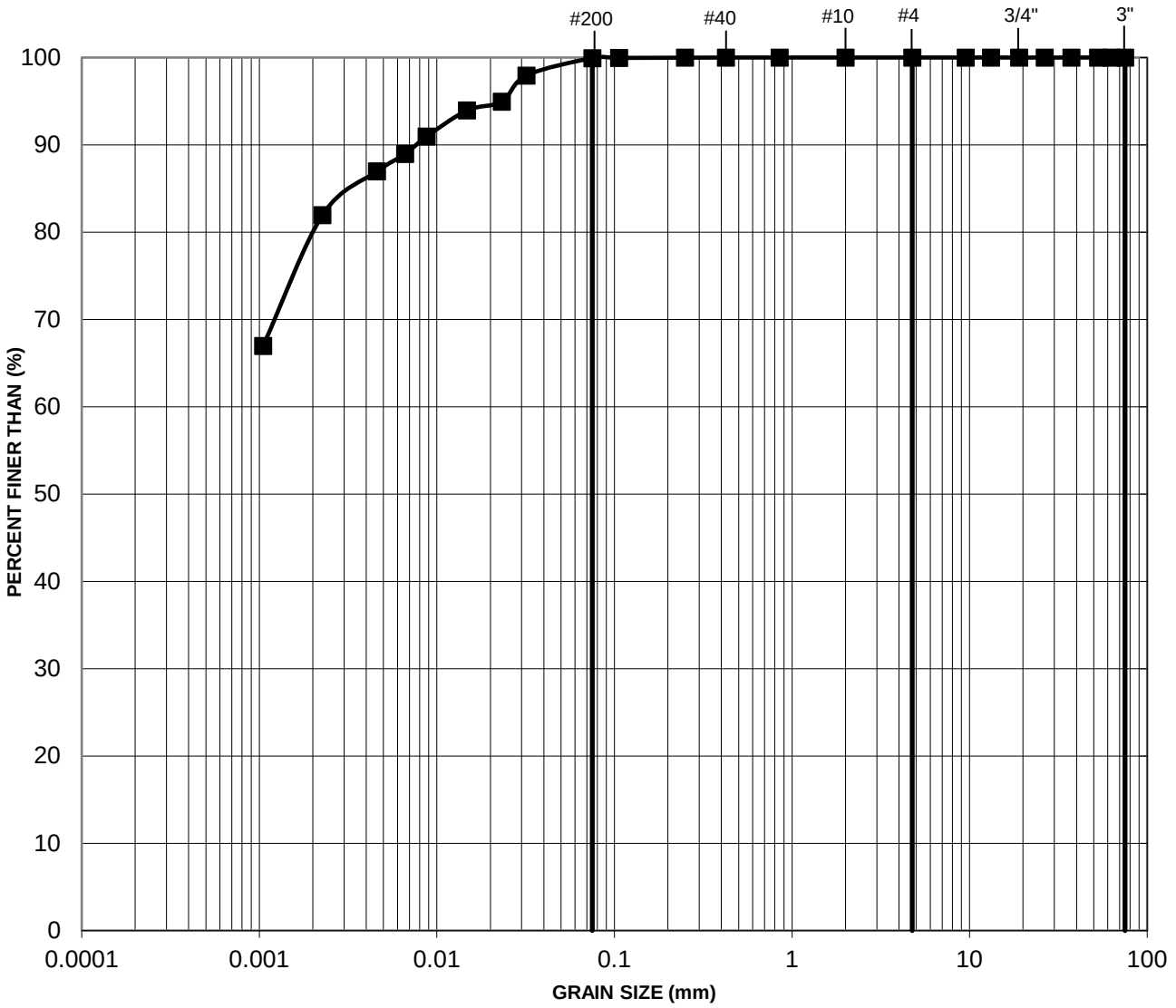


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-01	58461	16.5m - 16.8m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

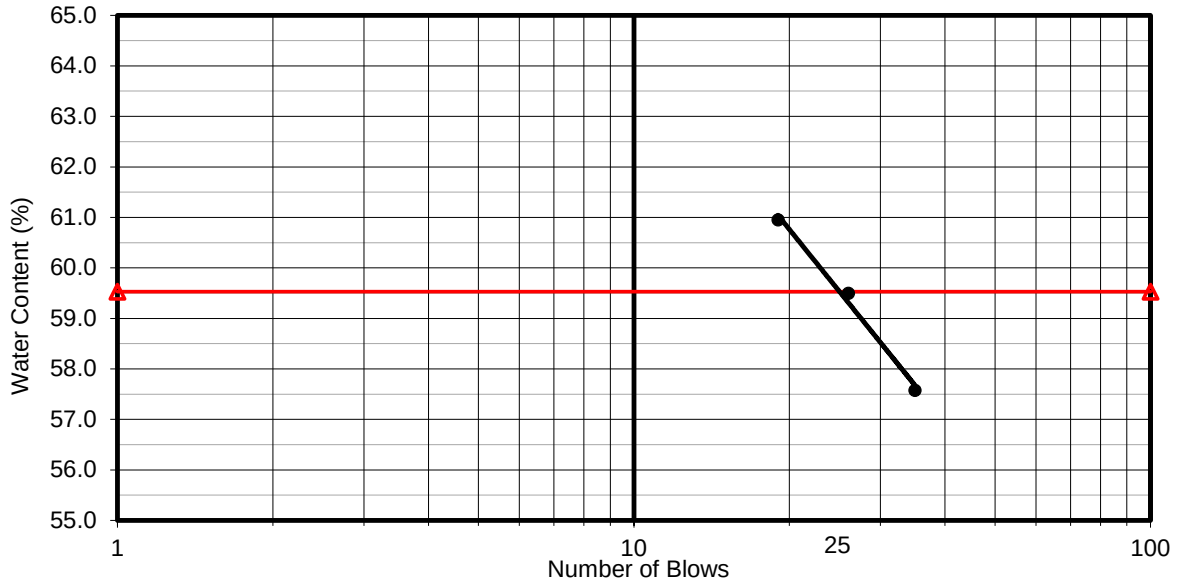
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G101**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58461**
Depth of Sample:	**16.5m - 16.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	10	31	47			X	67	87	
NUMBER OF BLOWS	35	26	19			X	X	X	X
MASS WET SOIL + TARE (g)	22.25	21.34	22.01			670.77	32.08	32.10	
MASS DRY SOIL + TARE (g)	18.11	17.55	17.92			545.70	29.62	29.57	
MASS OF WATER (g)	4.14	3.79	4.09			125.07	2.46	2.53	
MASS OF CONTAINER (g)	10.92	11.18	11.21			309.63	21.24	20.90	
MASS OF DRY SOIL (g)	7.19	6.37	6.71			236.07	8.38	8.67	
WATER CONTENT W (%)	57.6	59.5	61.0			53.0	29.4	29.2	

LIQUID LIMIT (%)	**59.5**
PLASTIC LIMIT (%)	**29.3**
PLASTICITY INDEX (%)	**30.3**
W NATURAL (%)	**53.0**
LIQUIDITY INDEX	**0.78**

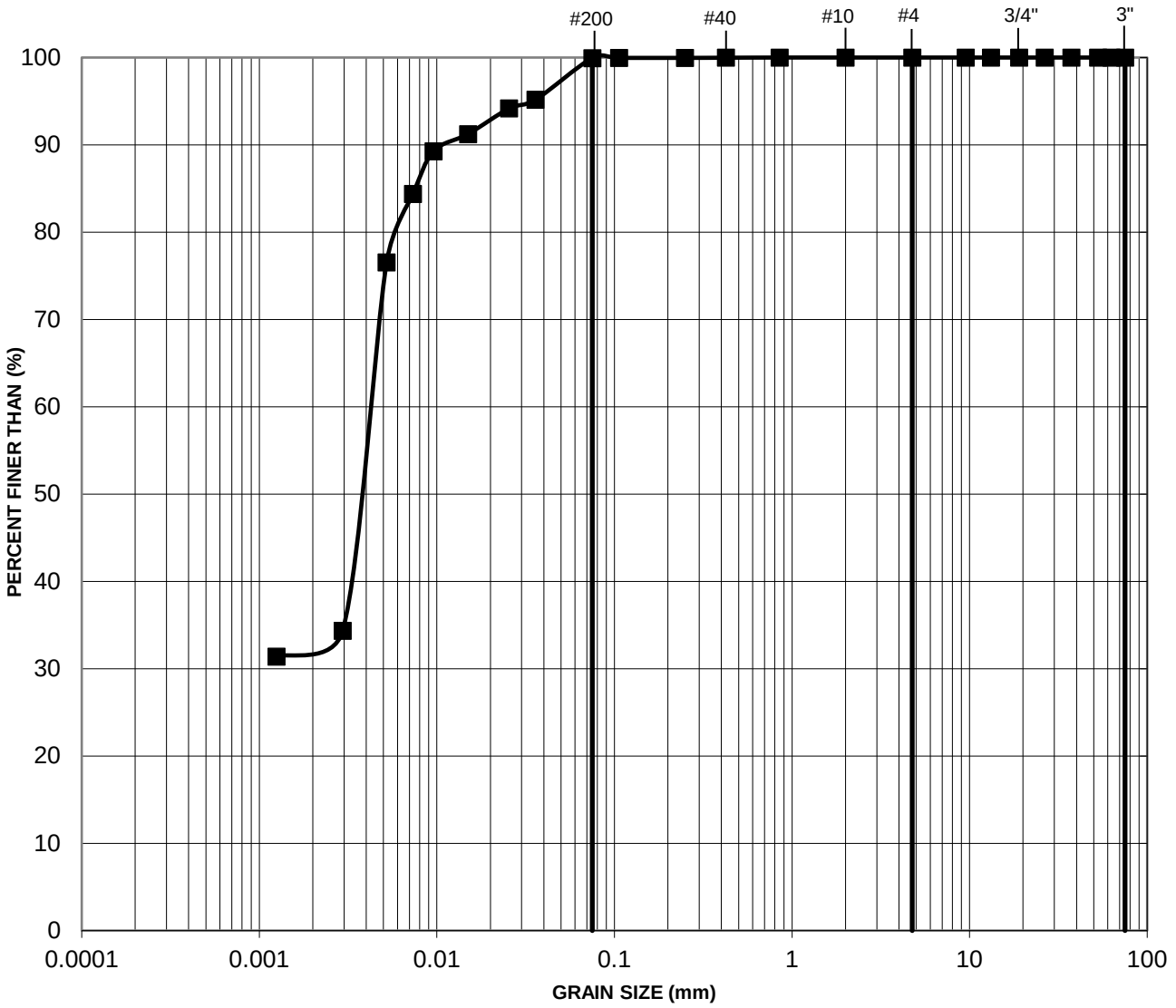


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-01	58463	22.6m - 22.9m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

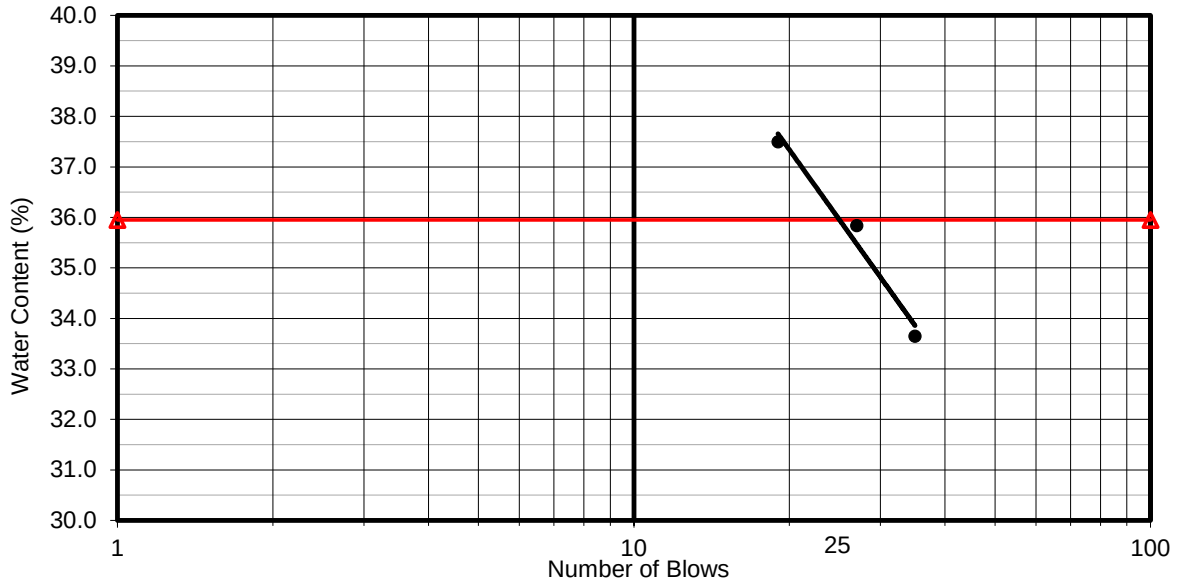
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G102**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58463**
Depth of Sample:	**22.6m - 22.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	44	89	909			X	29	63	
NUMBER OF BLOWS	27	19	35			X	X	X	X
MASS WET SOIL + TARE (g)	22.26	22.49	22.28			749.44	33.21	33.30	
MASS DRY SOIL + TARE (g)	19.35	19.34	19.43			659.33	31.22	31.33	
MASS OF WATER (g)	2.91	3.15	2.85			90.11	1.99	1.97	
MASS OF CONTAINER (g)	11.23	10.94	10.96			386.04	21.20	21.35	
MASS OF DRY SOIL (g)	8.12	8.40	8.47			273.29	10.02	9.98	
WATER CONTENT W (%)	35.8	37.5	33.6			33.0	19.9	19.7	

LIQUID LIMIT (%)	**35.9**
PLASTIC LIMIT (%)	**19.8**
PLASTICITY INDEX (%)	**16.1**
W NATURAL (%)	**33.0**
LIQUIDITY INDEX	**0.82**

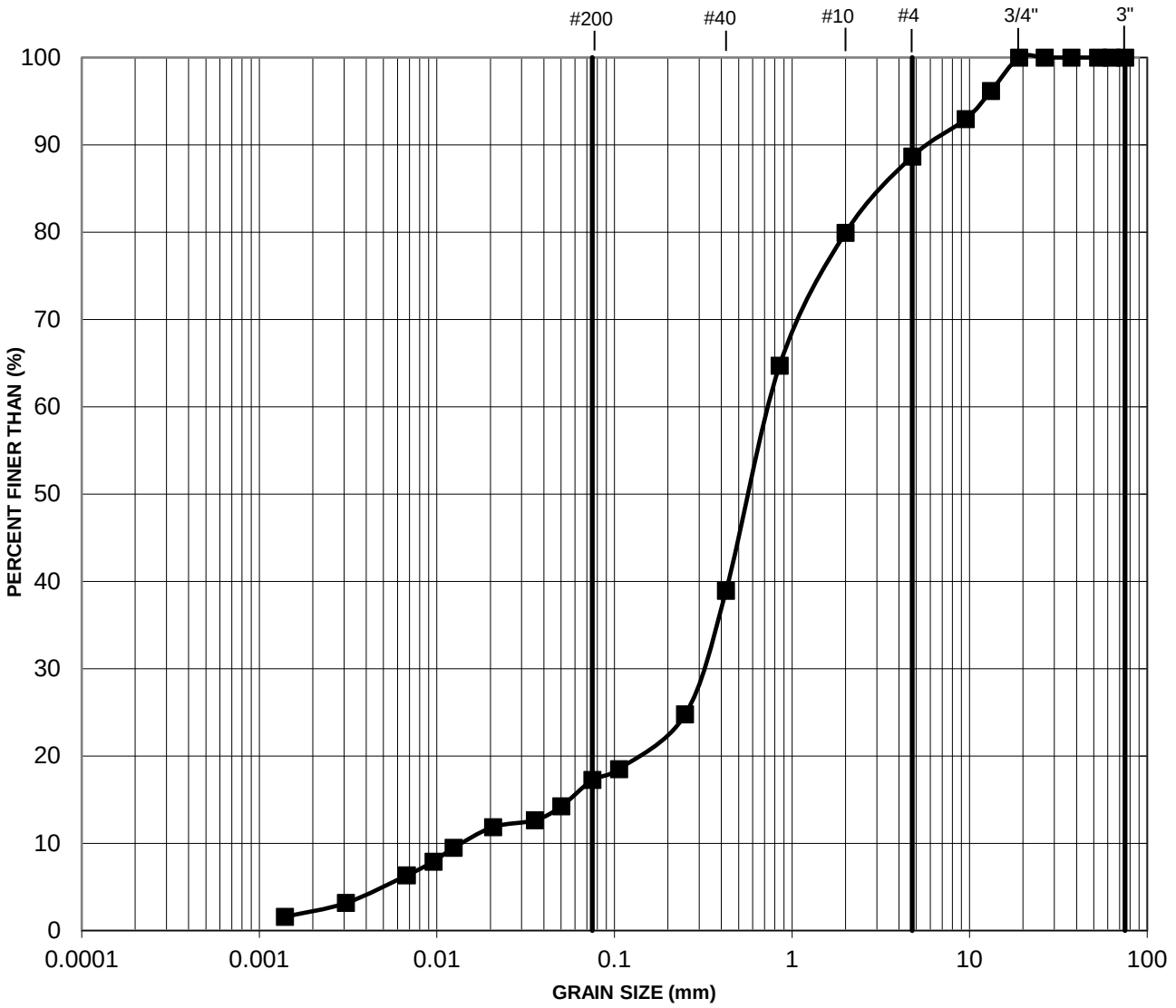


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-01	58464	26.2m - 26.5m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

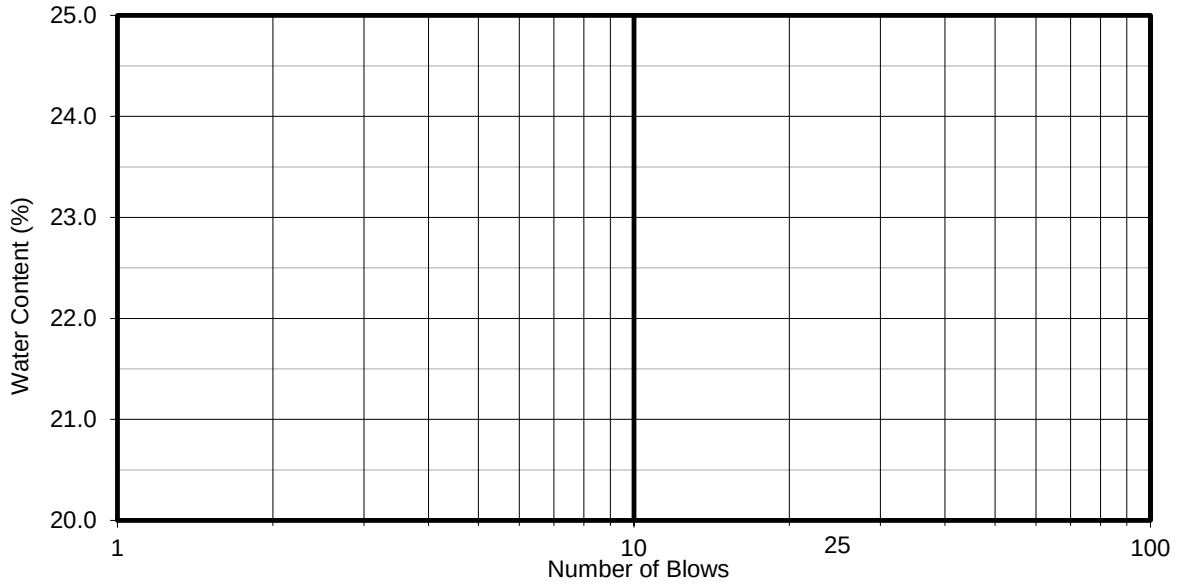
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G103**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58464**
Depth of Sample:	**26.2m - 26.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						4030.11			
MASS DRY SOIL + TARE (g)						3590.19			
MASS OF WATER (g)						439.92			
MASS OF CONTAINER (g)						262.94			
MASS OF DRY SOIL (g)						3327.25			
WATER CONTENT W (%)						13.2			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

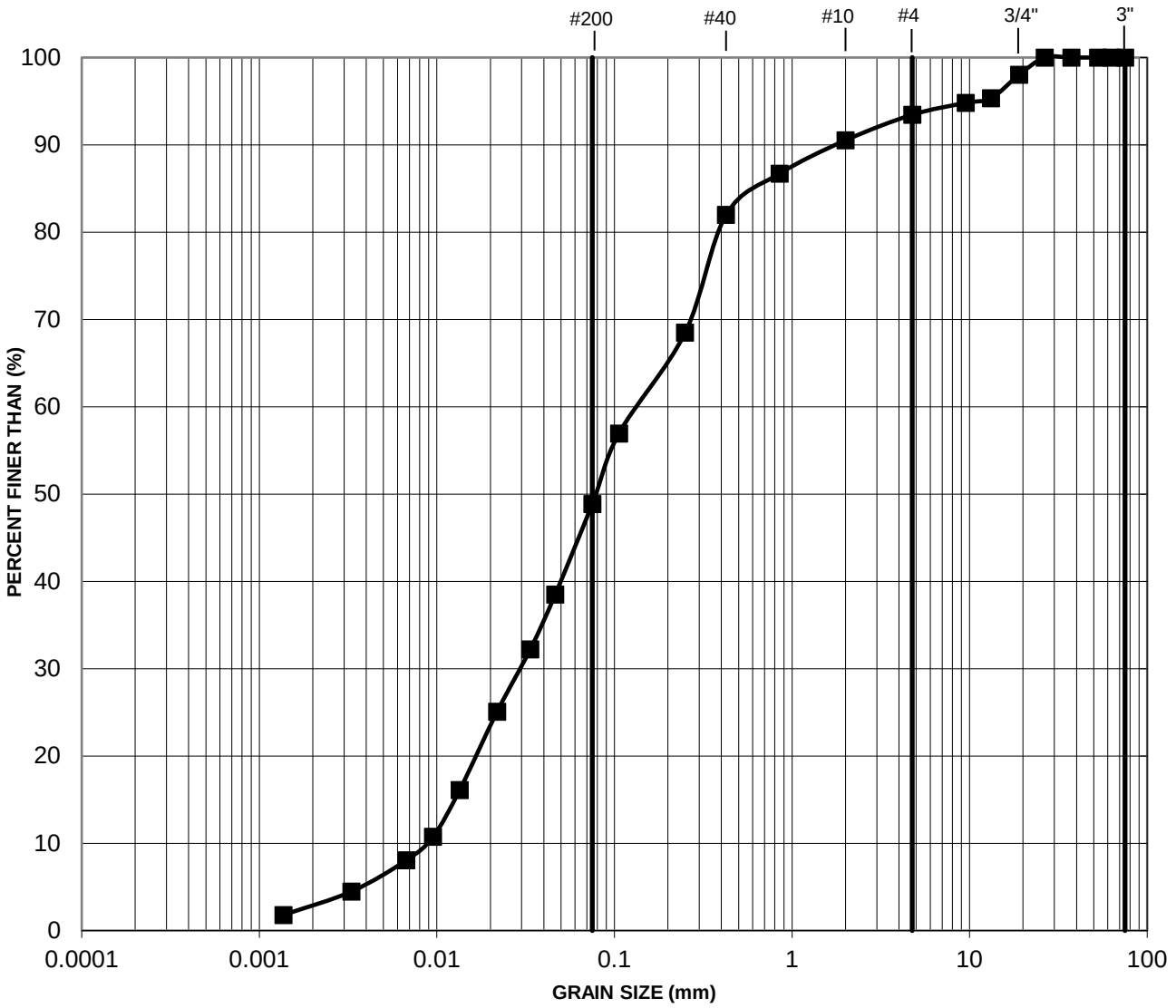


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-01	58472	35.1m - 35.4m

Project No./Phase/Task: 21504835

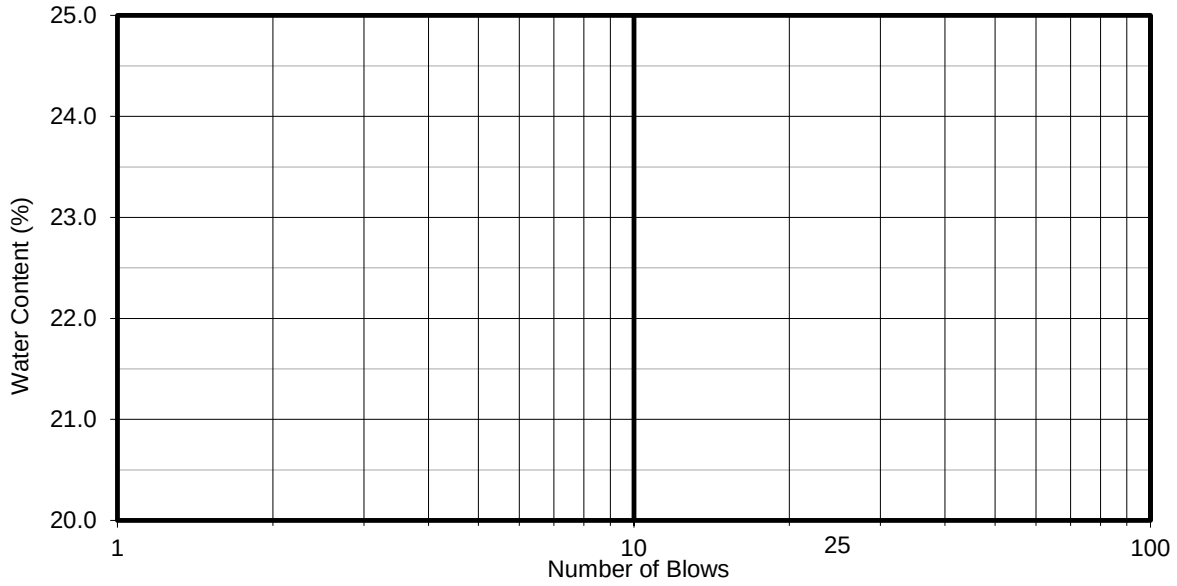
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G104**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58472**
Depth of Sample:	**35.1m - 35.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						3300.89			
MASS DRY SOIL + TARE (g)						3003.99			
MASS OF WATER (g)						296.90			
MASS OF CONTAINER (g)						264.66			
MASS OF DRY SOIL (g)						2739.33			
WATER CONTENT W (%)						10.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

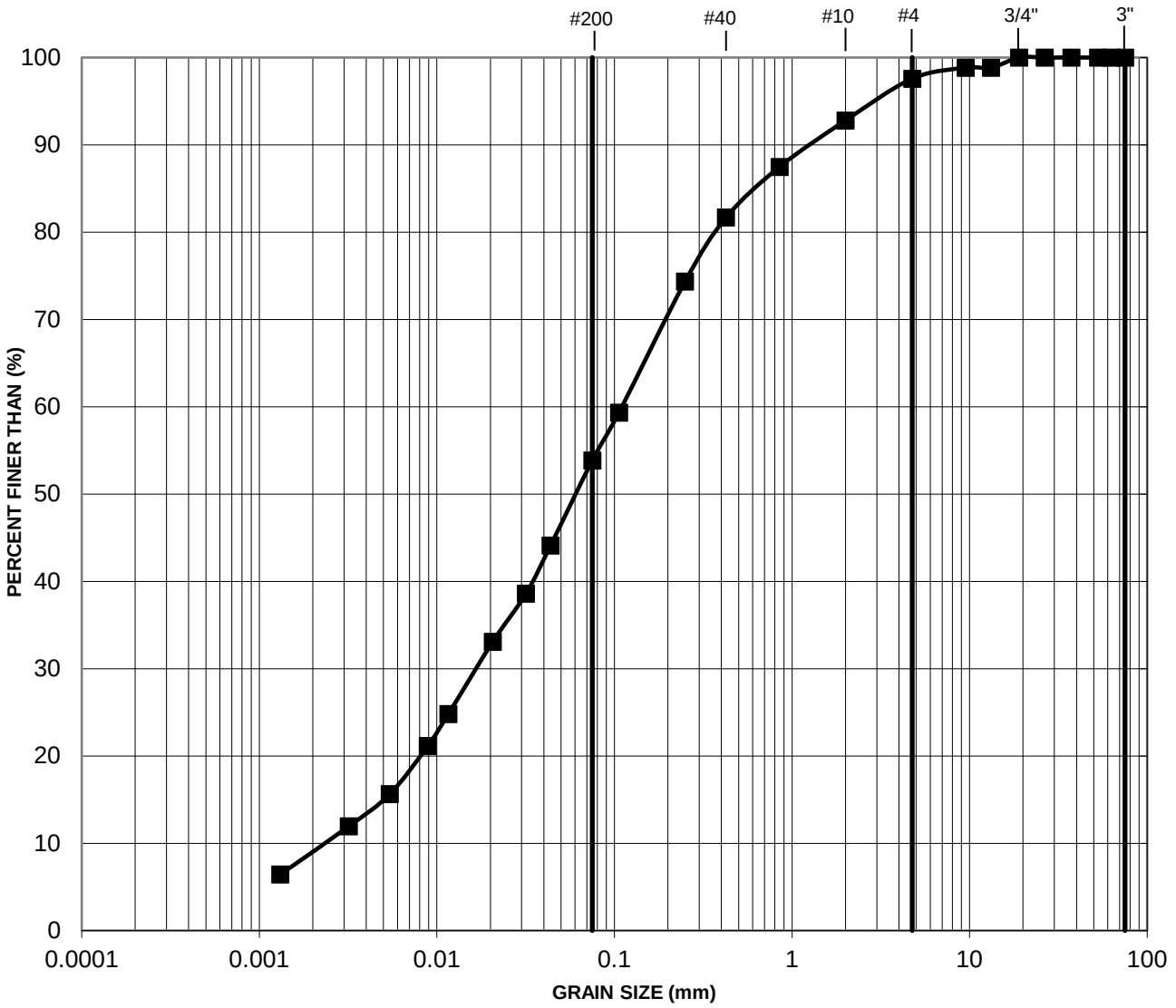


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-01	58475	39.0m - 39.6m

Project No./Phase/Task: 21504835

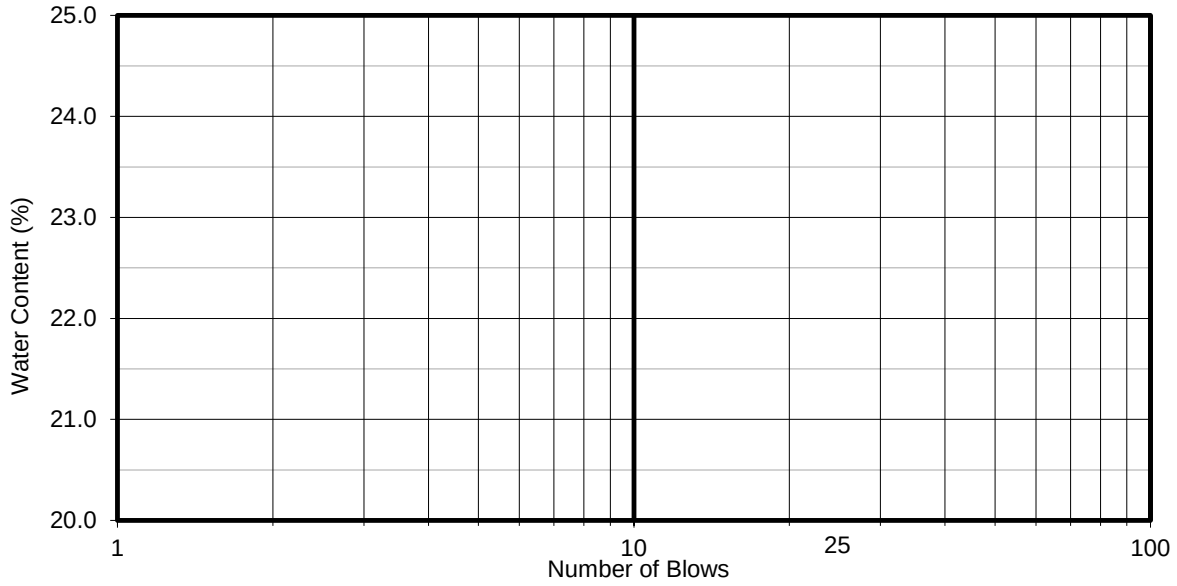
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G105**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58475**
Depth of Sample:	**39.0m - 39.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						799.19			
MASS DRY SOIL + TARE (g)						745.35			
MASS OF WATER (g)						53.84			
MASS OF CONTAINER (g)						239.38			
MASS OF DRY SOIL (g)						505.97			
WATER CONTENT W (%)						10.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



SAMPLE DESCRIPTION:

Reviewed by: TG

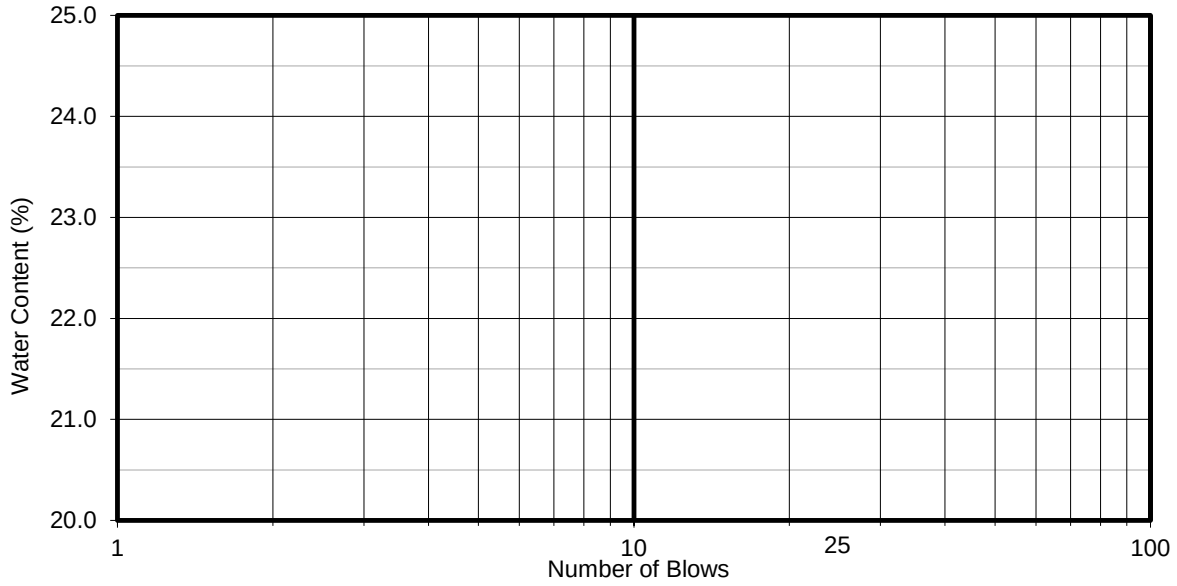
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 24, 2022**
Technician:	**HAB**
Lab Number:	**G106**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58476**
Depth of Sample:	**40.7m - 41.0m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						868.55			
MASS DRY SOIL + TARE (g)						811.38			
MASS OF WATER (g)						57.17			
MASS OF CONTAINER (g)						239.03			
MASS OF DRY SOIL (g)						572.35			
WATER CONTENT W (%)						10.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



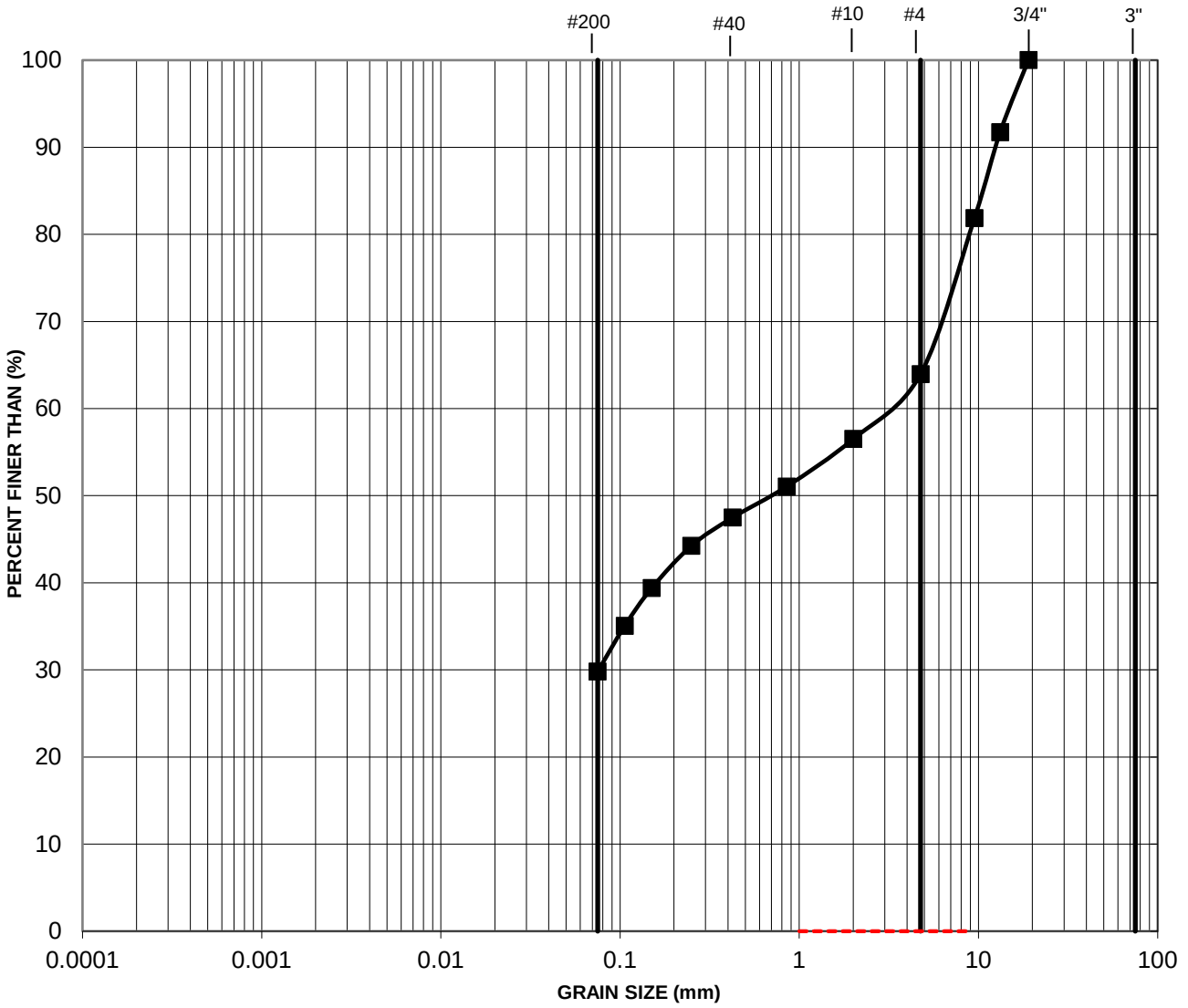
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-01	58478	42.1m - 42.7m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

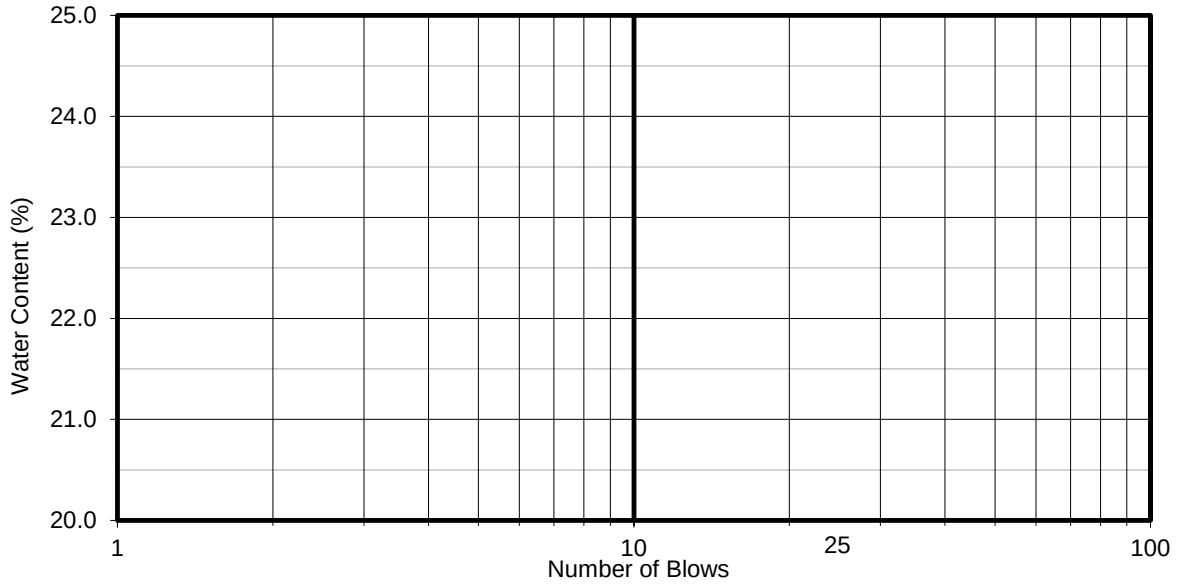
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	
Technician:	
Lab Number:	**G107**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58478**
Depth of Sample:	**42.1m - 42.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						556.81			
MASS DRY SOIL + TARE (g)						537.54			
MASS OF WATER (g)						19.27			
MASS OF CONTAINER (g)						245.22			
MASS OF DRY SOIL (g)						292.32			
WATER CONTENT W (%)						6.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



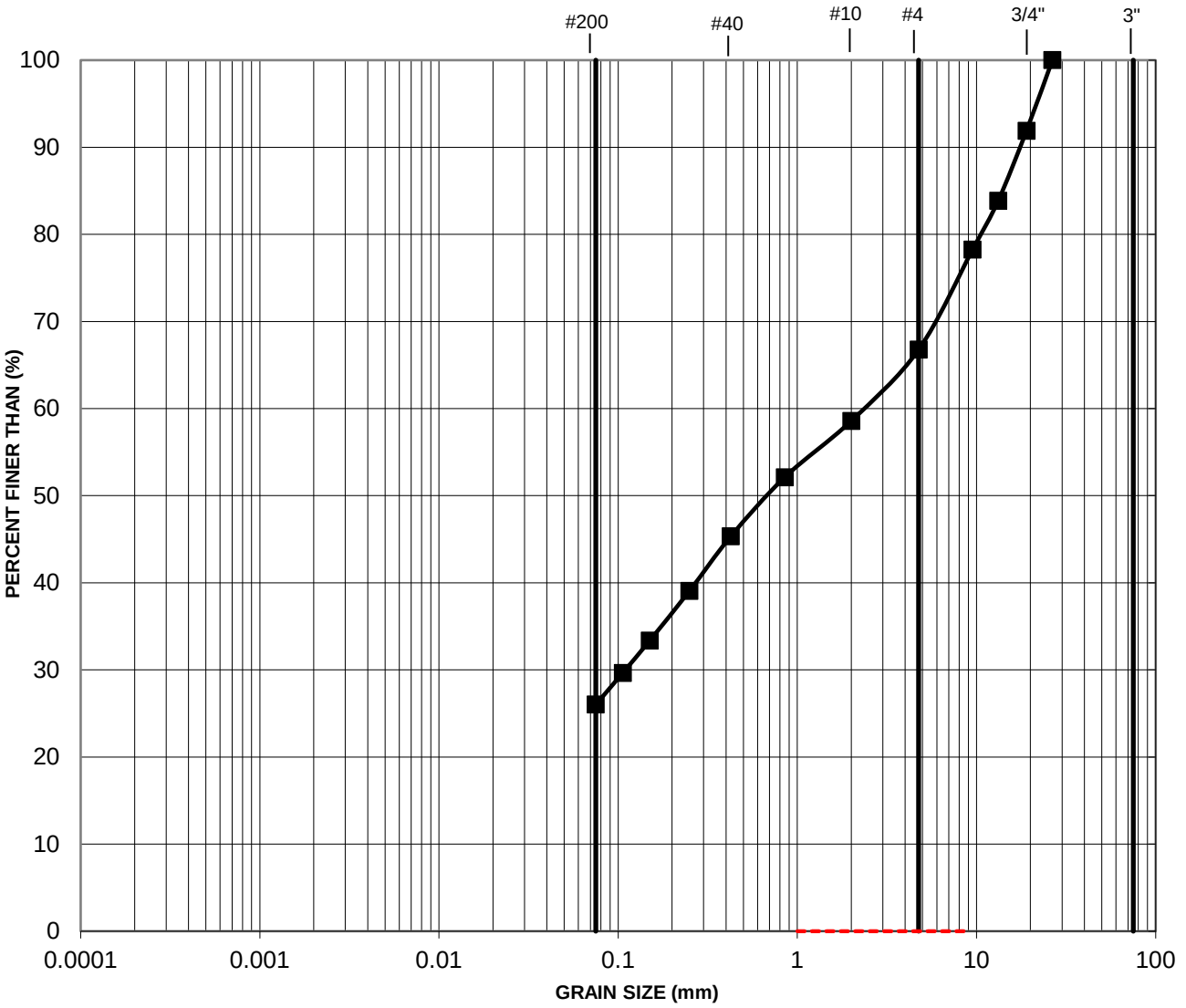
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BD-01	58480	45.0m - 45.3m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

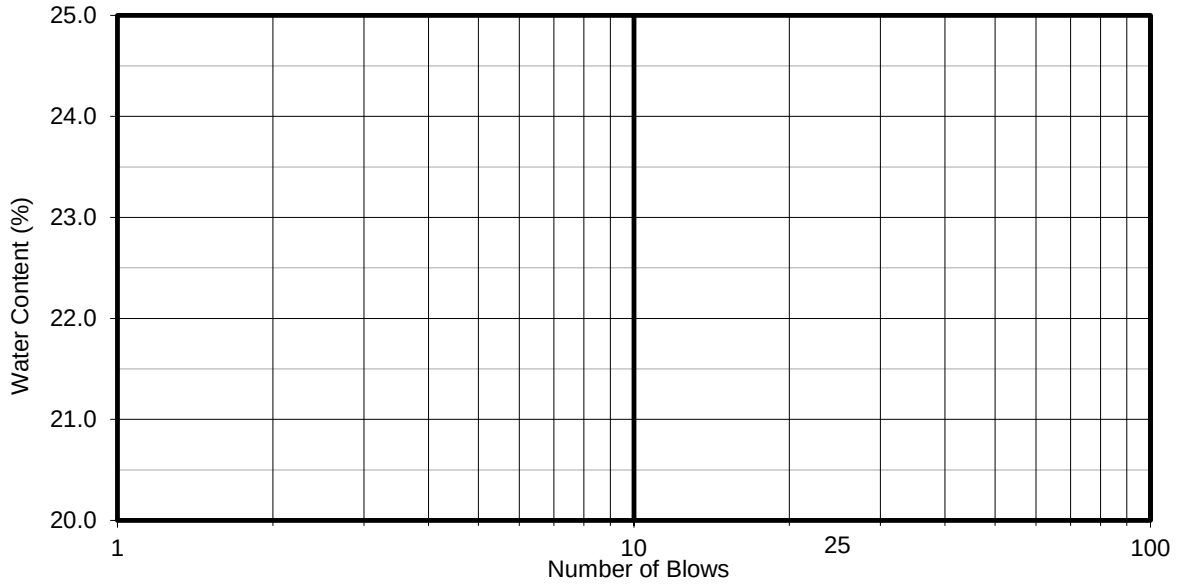
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G108**
Borehole:	**SRK21-OP-BD-01**
Sample Number:	**58480**
Depth of Sample:	**45.0m - 45.3m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						1299.65			
MASS DRY SOIL + TARE (g)						1212.38			
MASS OF WATER (g)						87.27			
MASS OF CONTAINER (g)						242.35			
MASS OF DRY SOIL (g)						970.03			
WATER CONTENT W (%)						9.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

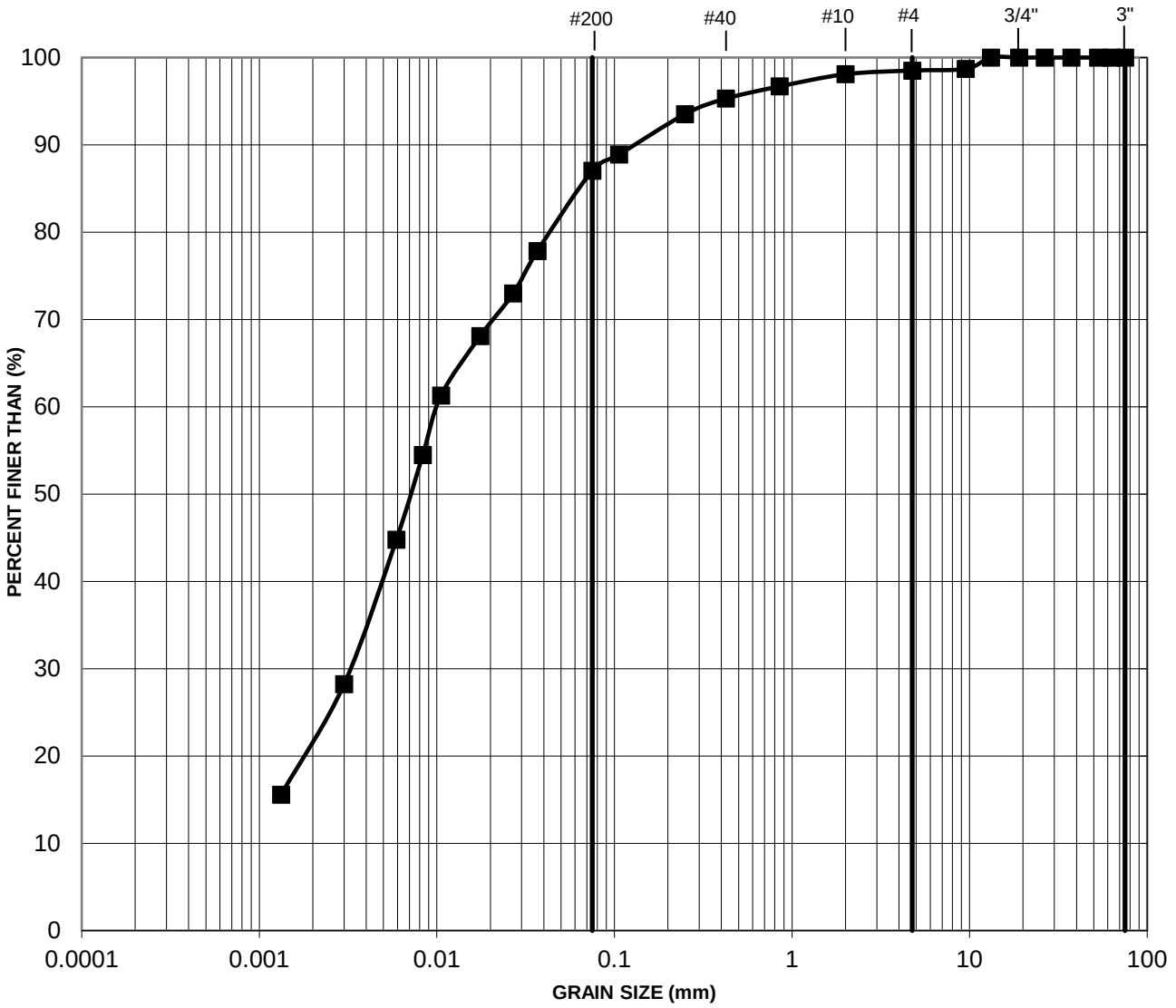


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58326	0.8m - 1.1m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

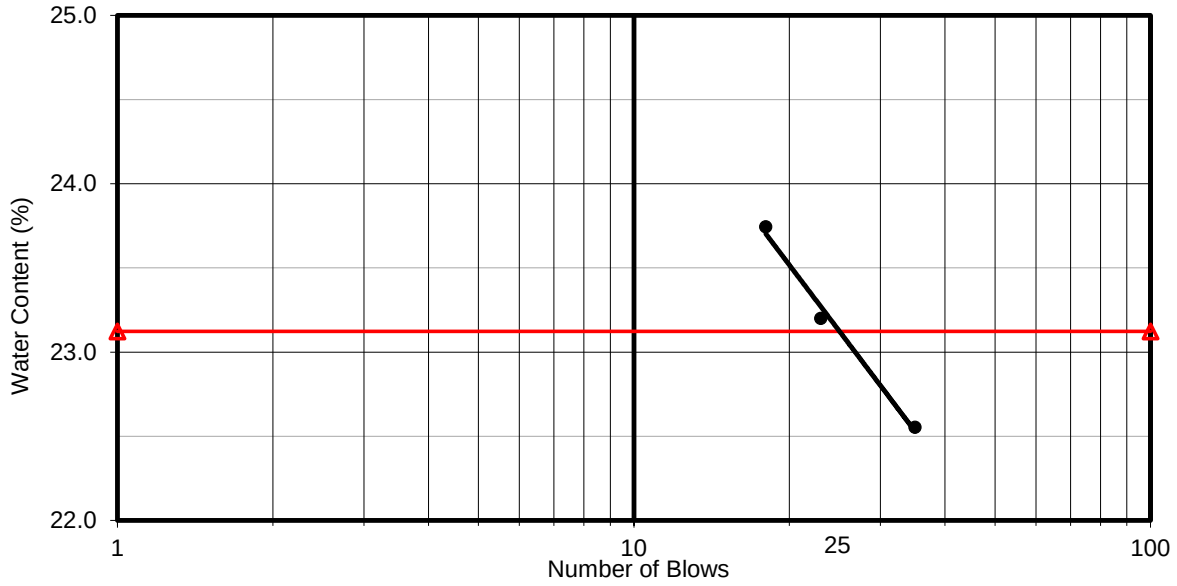
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G109**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58326**
Depth of Sample:	**0.8m - 1.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	11	33	39			X	83	89	
NUMBER OF BLOWS	23	18	35			X	X	X	X
MASS WET SOIL + TARE (g)	21.51	21.19	21.56			601.82	32.93	32.81	
MASS DRY SOIL + TARE (g)	19.51	19.25	19.60			542.08	31.27	31.17	
MASS OF WATER (g)	2.00	1.94	1.96			59.74	1.66	1.64	
MASS OF CONTAINER (g)	10.89	11.08	10.91			238.88	20.99	20.98	
MASS OF DRY SOIL (g)	8.62	8.17	8.69			303.20	10.28	10.19	
WATER CONTENT W (%)	23.2	23.7	22.6			19.7	16.1	16.1	

LIQUID LIMIT (%)	**23.1**
PLASTIC LIMIT (%)	**16.1**
PLASTICITY INDEX (%)	**7.0**
W NATURAL (%)	**19.7**
LIQUIDITY INDEX	**0.51**

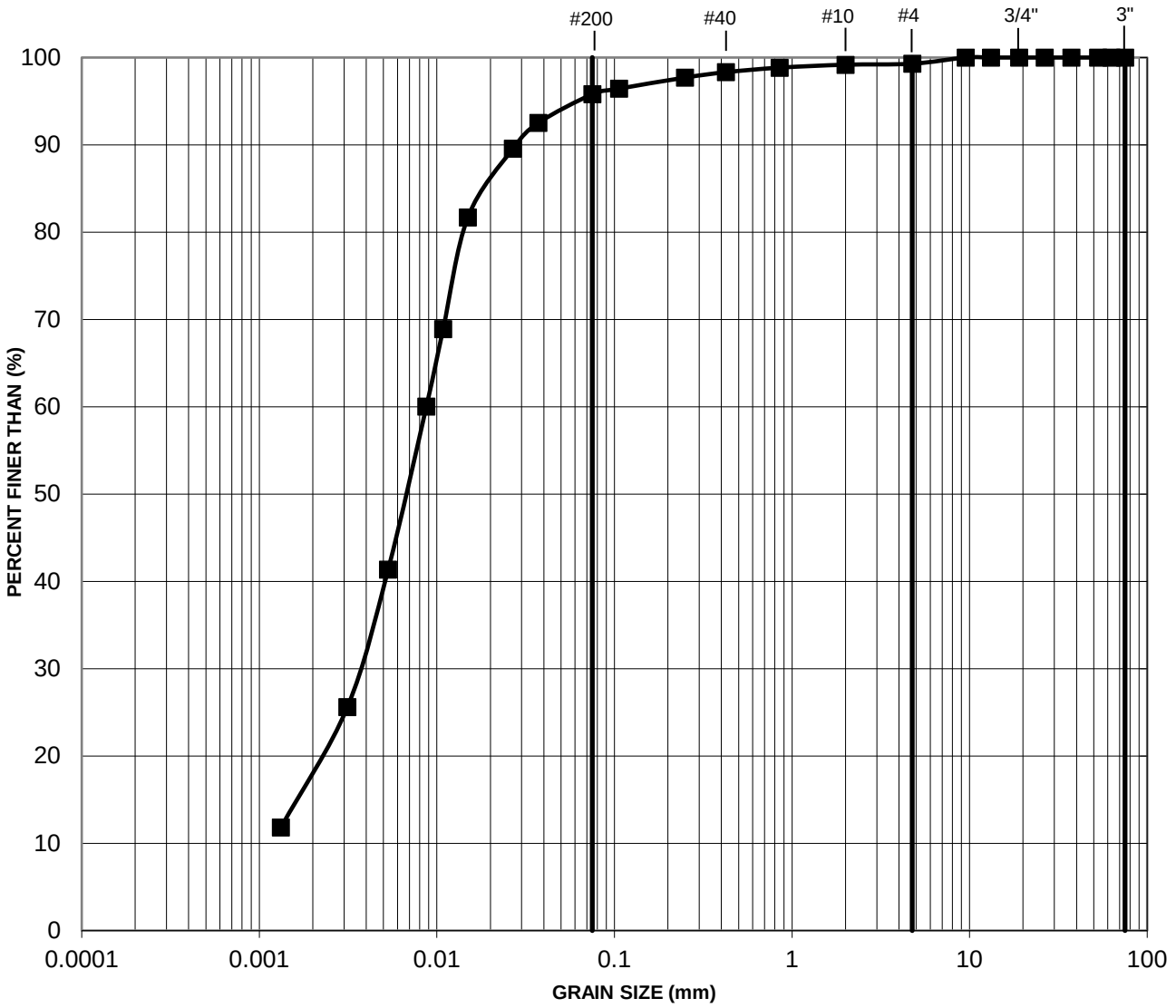


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58328	4.9m - 5.2m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

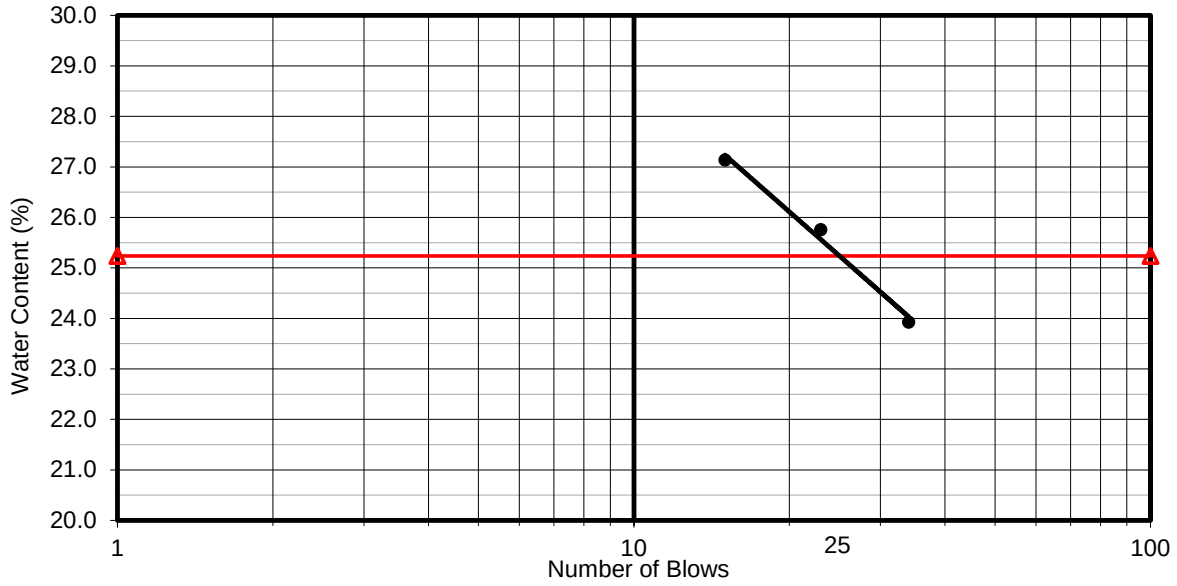
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 15, 2022**
Technician:	**HAB**
Lab Number:	**G110**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58328**
Depth of Sample:	**4.9m - 5.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	21	60	87l			X	4m	r13	
NUMBER OF BLOWS	15	23	34			X	X	X	X
MASS WET SOIL + TARE (g)	22.15	22.14	22.30			761.36	25.56	26.19	
MASS DRY SOIL + TARE (g)	19.77	19.86	20.12			658.82	23.65	24.36	
MASS OF WATER (g)	2.38	2.28	2.18			102.54	1.91	1.83	
MASS OF CONTAINER (g)	11.00	11.01	11.01			239.78	13.69	14.18	
MASS OF DRY SOIL (g)	8.77	8.85	9.11			419.04	9.96	10.18	
WATER CONTENT W (%)	27.1	25.8	23.9			24.5	19.2	18.0	

LIQUID LIMIT (%)	**25.2**
PLASTIC LIMIT (%)	**18.6**
PLASTICITY INDEX (%)	**6.7**
W NATURAL (%)	**24.5**
LIQUIDITY INDEX	**0.88**

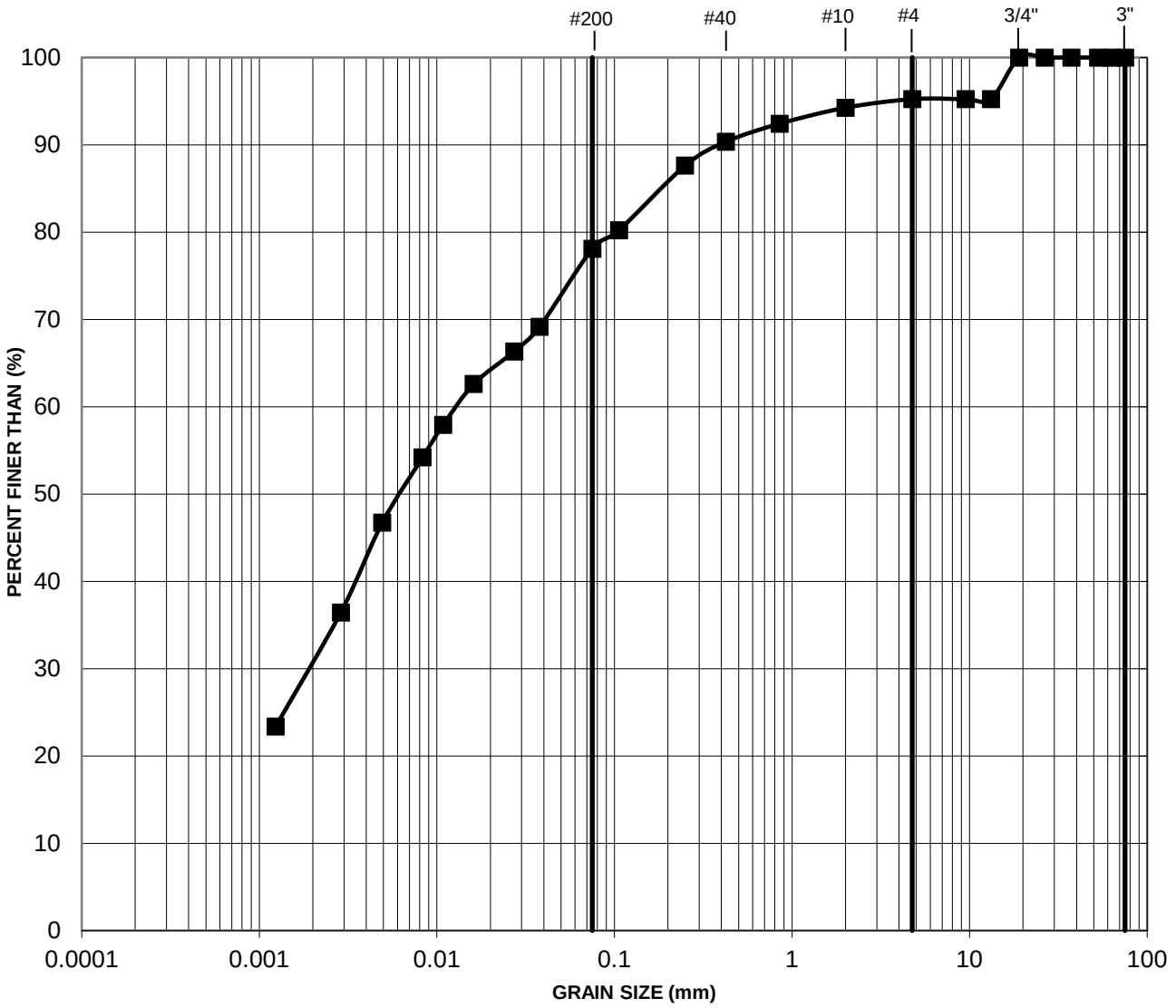


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58331	10.4m - 10.7m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

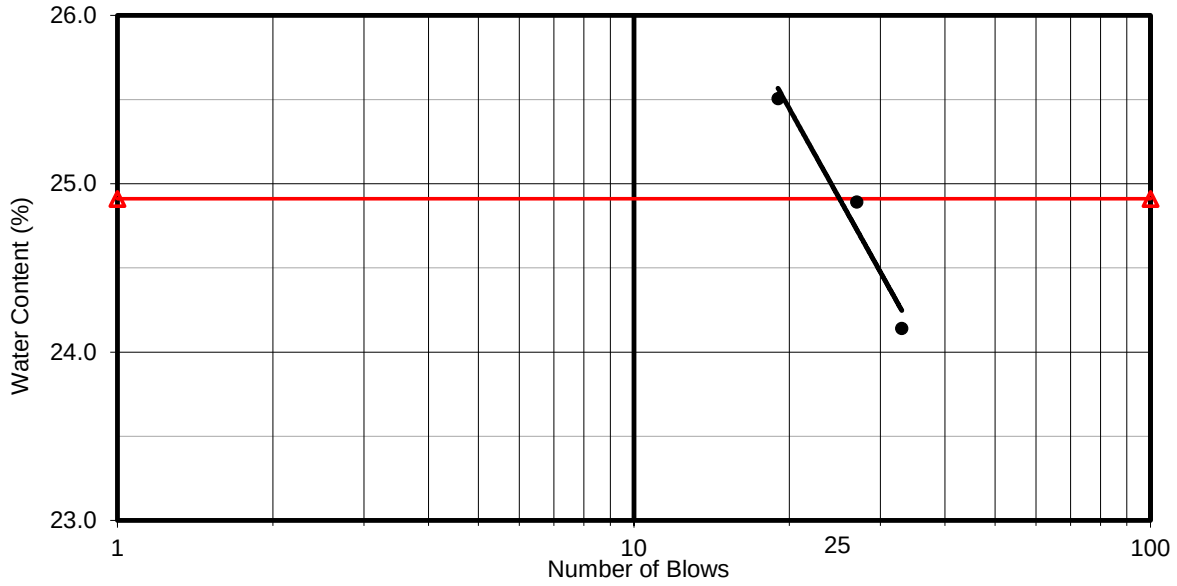
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G111**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58331**
Depth of Sample:	**10.4m - 10.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7	16l	r23l			X	72	77	
NUMBER OF BLOWS	27	33	19			X	X	X	X
MASS WET SOIL + TARE (g)	18.70	18.86	19.00			635.57	32.47	32.57	
MASS DRY SOIL + TARE (g)	16.39	16.61	16.61			564.30	30.98	30.98	
MASS OF WATER (g)	2.31	2.25	2.39			71.27	1.49	1.59	
MASS OF CONTAINER (g)	7.11	7.29	7.24			234.69	20.88	20.77	
MASS OF DRY SOIL (g)	9.28	9.32	9.37			329.61	10.10	10.21	
WATER CONTENT W (%)	24.9	24.1	25.5			21.6	14.8	15.6	

LIQUID LIMIT (%)	**24.9**
PLASTIC LIMIT (%)	**15.2**
PLASTICITY INDEX (%)	**9.7**
W NATURAL (%)	**21.6**
LIQUIDITY INDEX	**0.66**

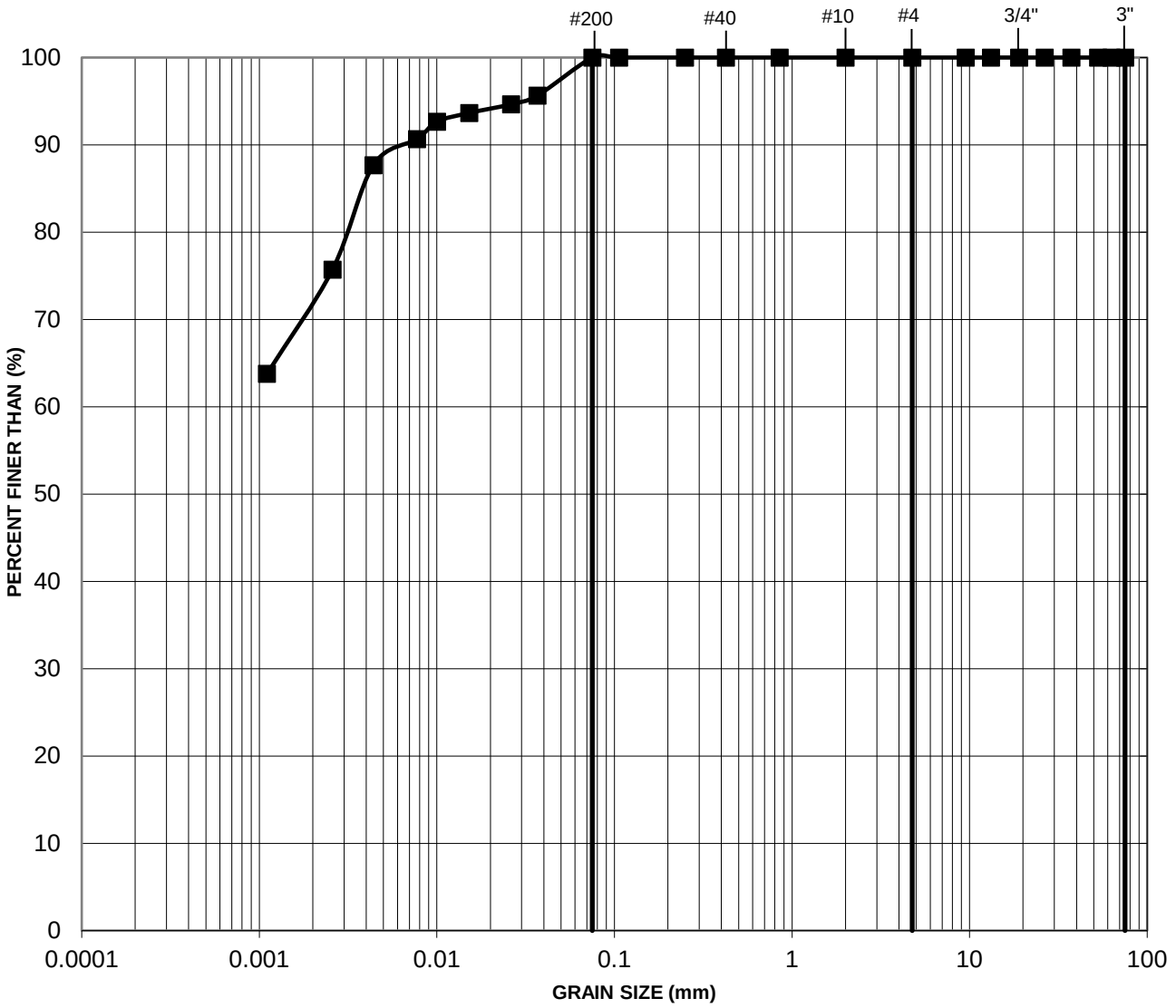


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58335	19.5m - 19.8m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

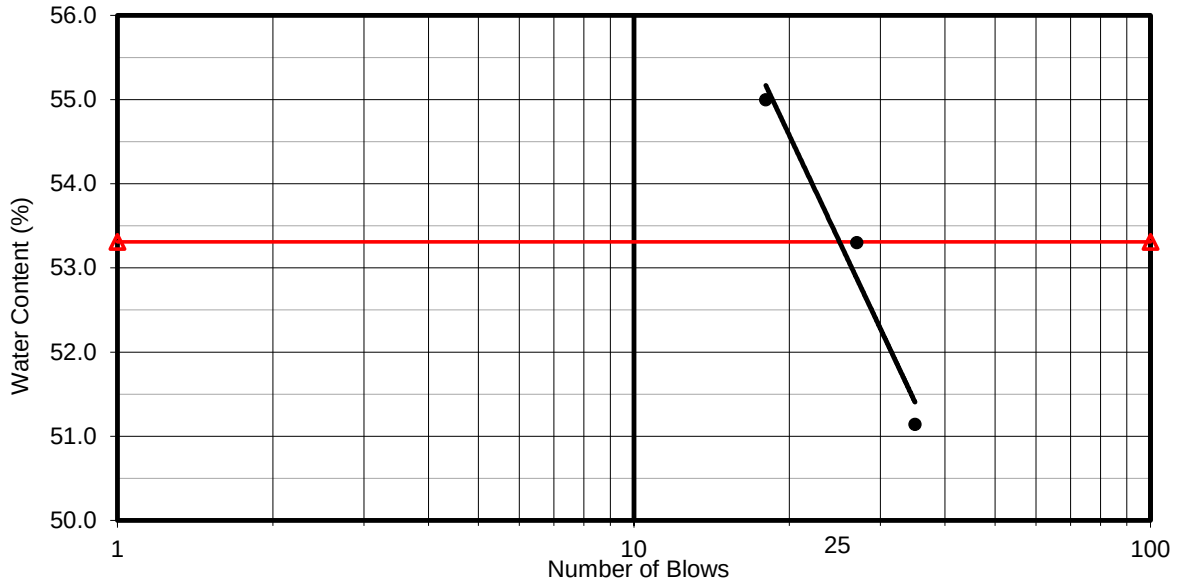
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 16, 2022**
Technician:	**HAB**
Lab Number:	**G112**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58335**
Depth of Sample:	**19.5m - 19.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r4	r6	8m			X	32	91	
NUMBER OF BLOWS	35	27	18			X	X	X	X
MASS WET SOIL + TARE (g)	18.51	17.50	18.14			533.29	31.91	33.02	
MASS DRY SOIL + TARE (g)	14.71	13.95	14.29			434.92	29.57	30.66	
MASS OF WATER (g)	3.80	3.55	3.85			98.37	2.34	2.36	
MASS OF CONTAINER (g)	7.28	7.29	7.29			240.76	20.68	21.63	
MASS OF DRY SOIL (g)	7.43	6.66	7.00			194.16	8.89	9.03	
WATER CONTENT W (%)	51.1	53.3	55.0			50.7	26.3	26.1	

LIQUID LIMIT (%)	**53.3**
PLASTIC LIMIT (%)	**26.2**
PLASTICITY INDEX (%)	**27.1**
W NATURAL (%)	**50.7**
LIQUIDITY INDEX	**0.90**



SAMPLE DESCRIPTION:

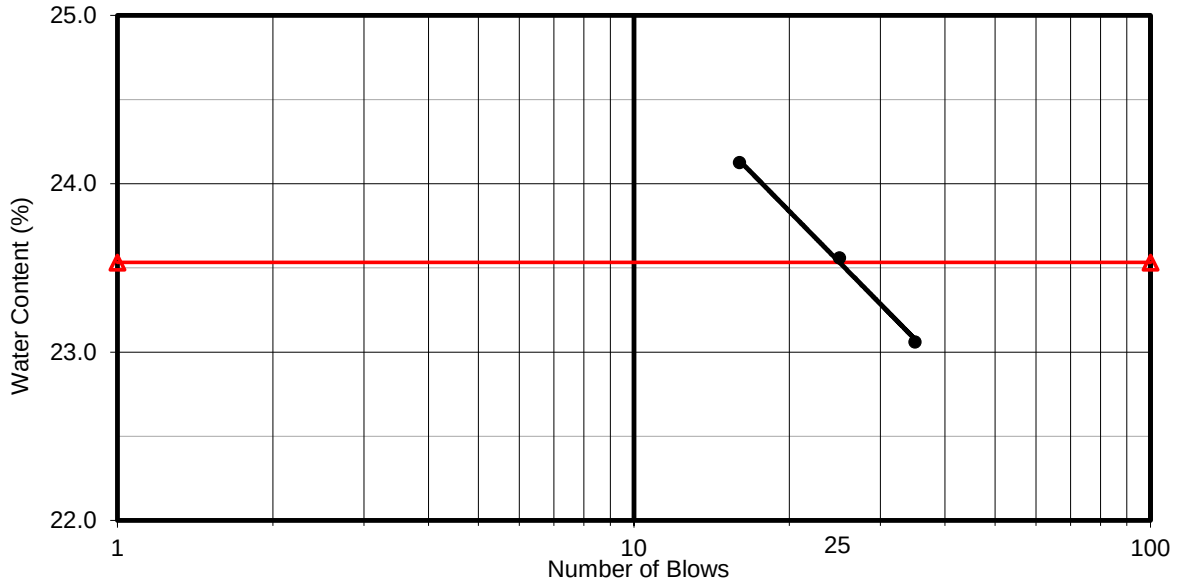
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**Februaey 17, 2022**
Technician:	**HAB**
Lab Number:	**G113**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58337**
Depth of Sample:	**25.6m - 25.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7l	r8l	r21			**X**	13	33	
NUMBER OF BLOWS	25	35	16			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	19.13	18.95	18.62			155.49	33.25	32.79	
MASS DRY SOIL + TARE (g)	16.88	16.75	16.41			119.67	31.65	31.25	
MASS OF WATER (g)	2.25	2.20	2.21			35.82	1.60	1.54	
MASS OF CONTAINER (g)	7.33	7.21	7.25			1.93	21.29	21.22	
MASS OF DRY SOIL (g)	9.55	9.54	9.16			117.74	10.36	10.03	
WATER CONTENT W (%)	23.6	23.1	24.1			30.4	15.4	15.4	

LIQUID LIMIT (%)	**23.5**
PLASTIC LIMIT (%)	**15.4**
PLASTICITY INDEX (%)	**8.1**
W NATURAL (%)	**30.4**
LIQUIDITY INDEX	**1.85**

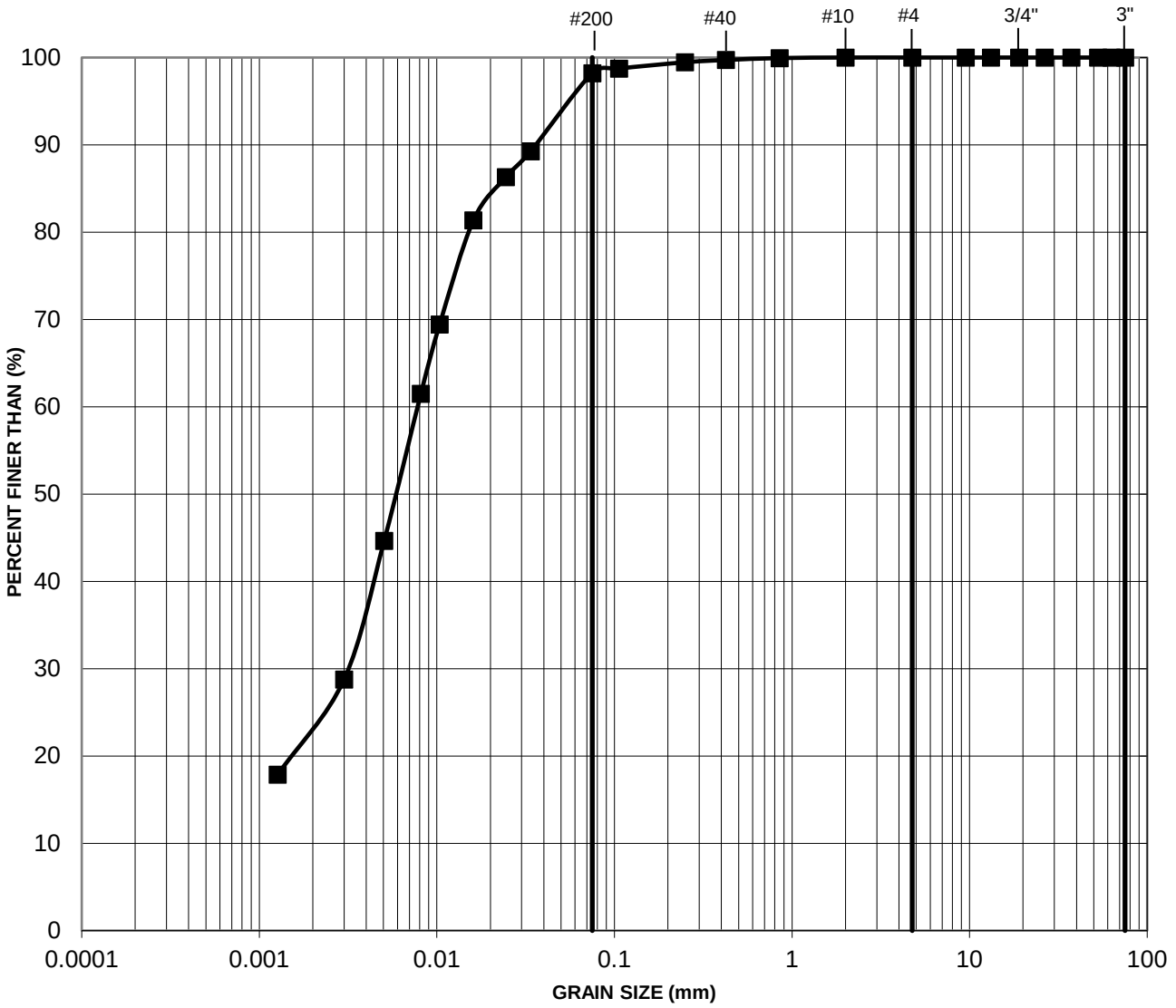


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58338	30.2m - 30.5m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

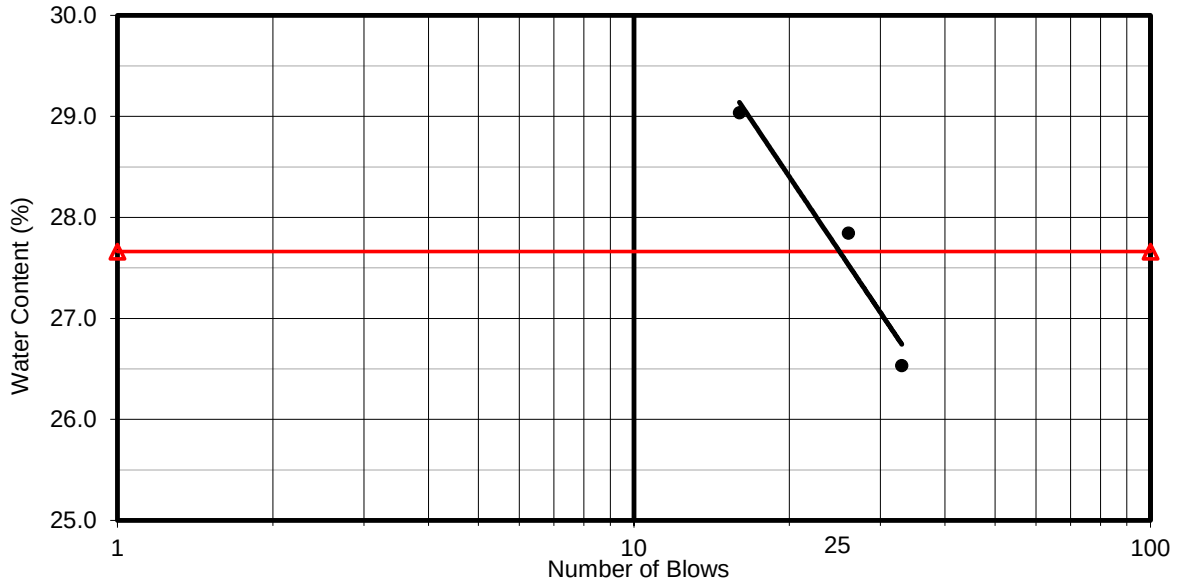
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G114**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58338**
Depth of Sample:	**30.2m - 30.5m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2	4m	6			**X**	14	73	
NUMBER OF BLOWS	16	26	33			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.51	18.87	17.36			699.27	33.28	33.19	
MASS DRY SOIL + TARE (g)	15.19	16.35	15.24			630.94	31.46	31.38	
MASS OF WATER (g)	2.32	2.52	2.12			68.33	1.82	1.81	
MASS OF CONTAINER (g)	7.20	7.30	7.25			387.41	21.01	21.08	
MASS OF DRY SOIL (g)	7.99	9.05	7.99			243.53	10.45	10.30	
WATER CONTENT W (%)	29.0	27.8	26.5			28.1	17.4	17.6	

LIQUID LIMIT (%)	**27.7**
PLASTIC LIMIT (%)	**17.5**
PLASTICITY INDEX (%)	**10.2**
W NATURAL (%)	**28.1**
LIQUIDITY INDEX	**1.04**

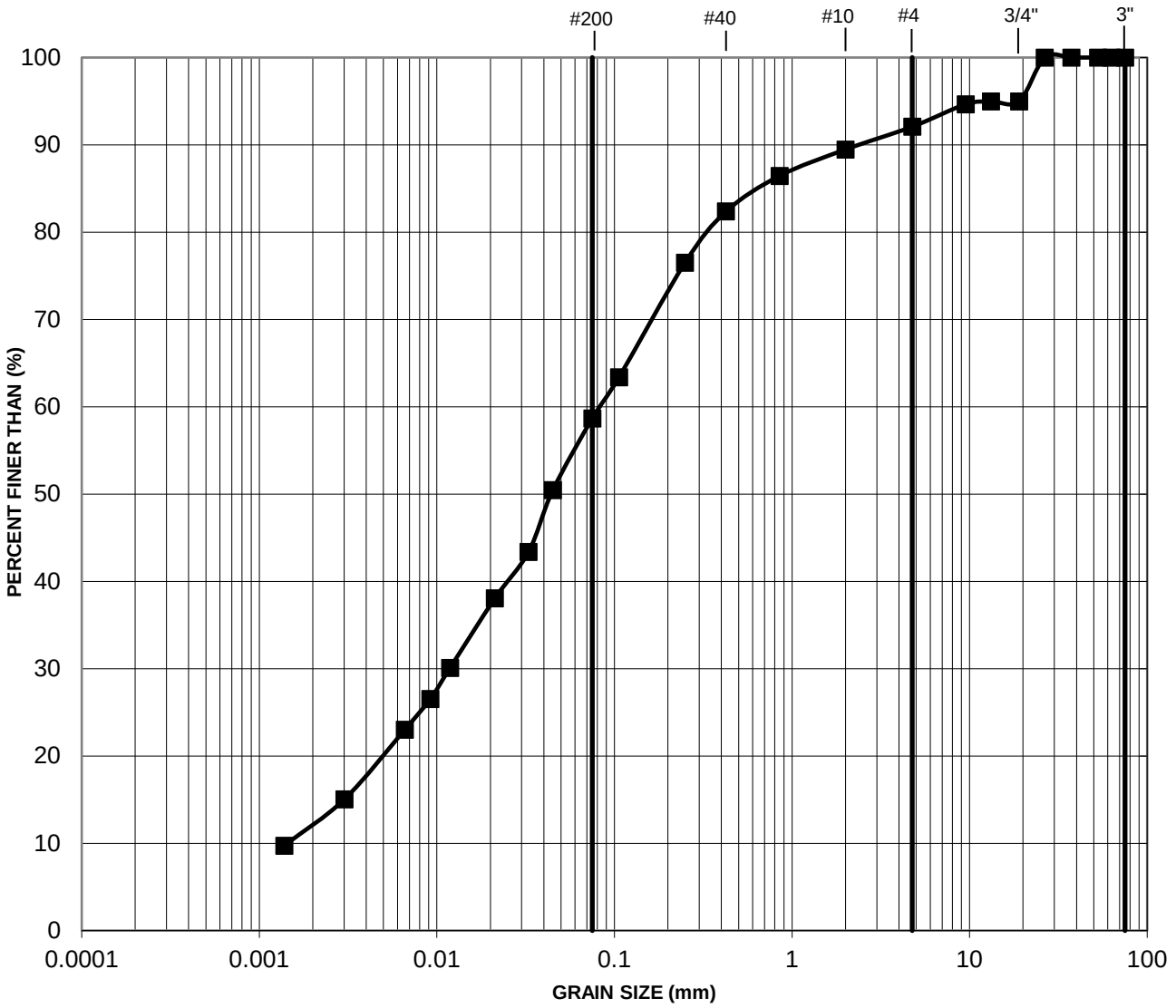


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58341	34.7m - 35.1m

Project No./Phase/Task: 21504835

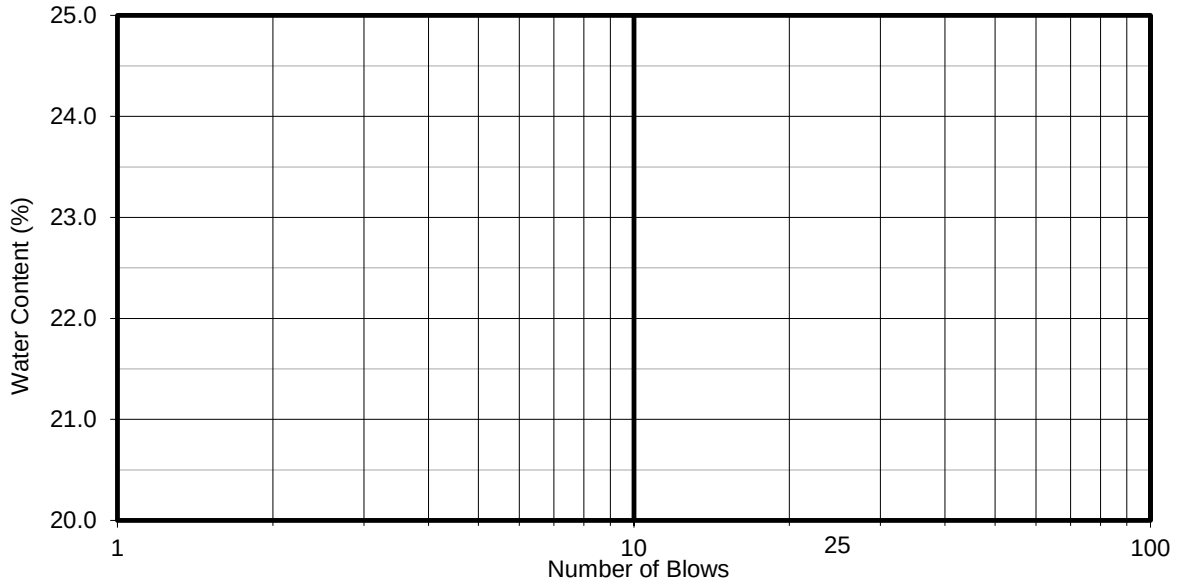
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**24-Feb-22**
Technician:	**HAB**
Lab Number:	**G115**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58341**
Depth of Sample:	**34.7m - 35.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1183.15			
MASS DRY SOIL + TARE (g)						1117.48			
MASS OF WATER (g)						65.67			
MASS OF CONTAINER (g)						238.17			
MASS OF DRY SOIL (g)						879.31			
WATER CONTENT W (%)						7.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



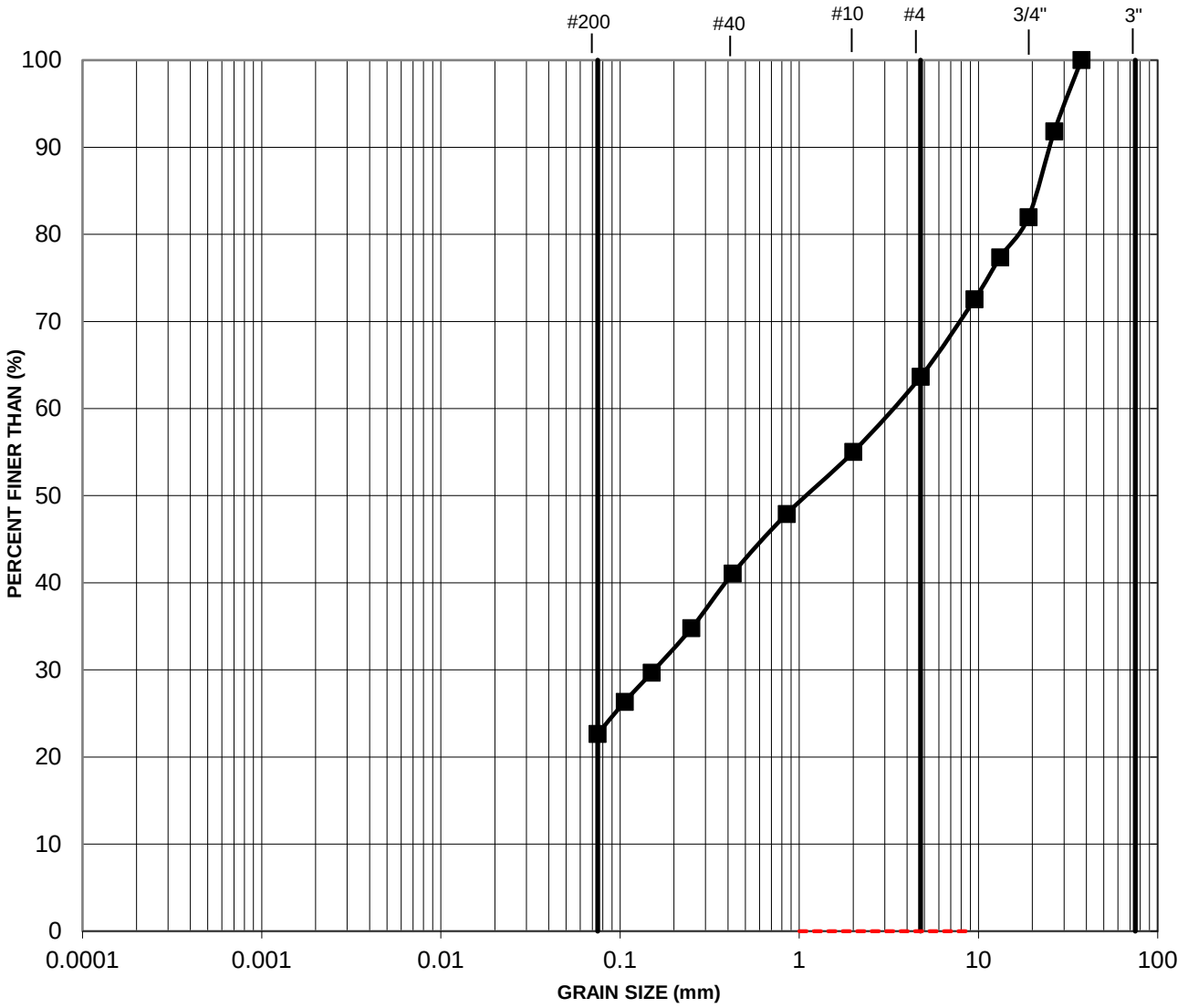
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD-02	58343	39.6m - 39.9m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

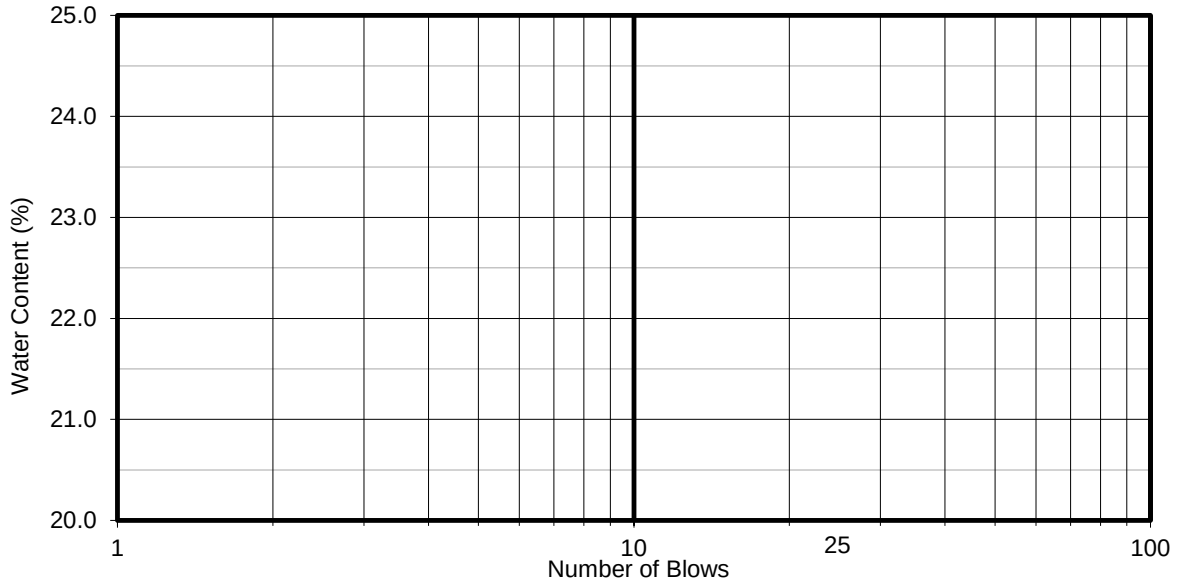
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G116**
Borehole:	**SRK21-OP-BD-02**
Sample Number:	**58343**
Depth of Sample:	**39.6m - 39.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1659.01			
MASS DRY SOIL + TARE (g)						1568.88			
MASS OF WATER (g)						90.13			
MASS OF CONTAINER (g)						241.98			
MASS OF DRY SOIL (g)						1326.90			
WATER CONTENT W (%)						6.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

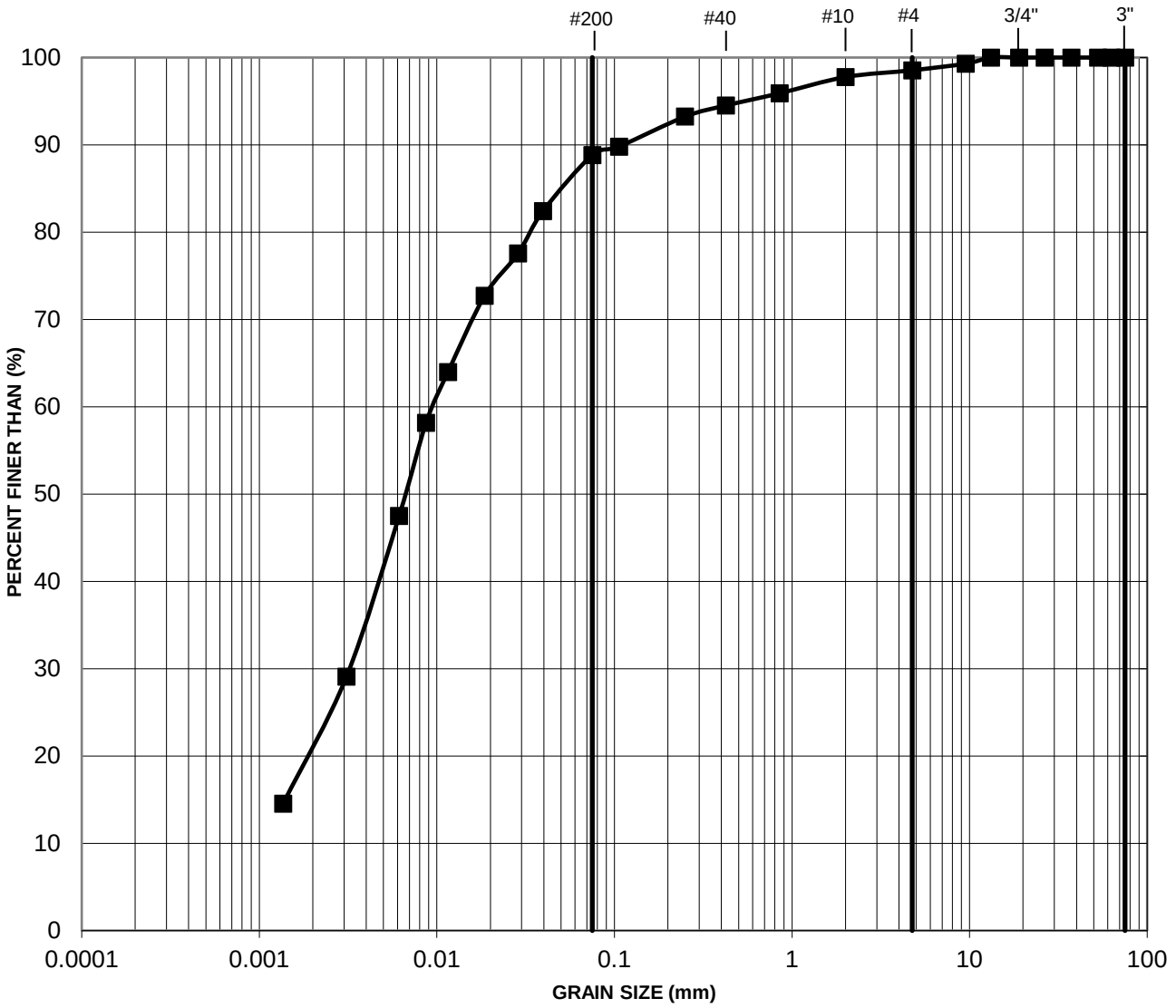


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	58345	1.5m - 1.8m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

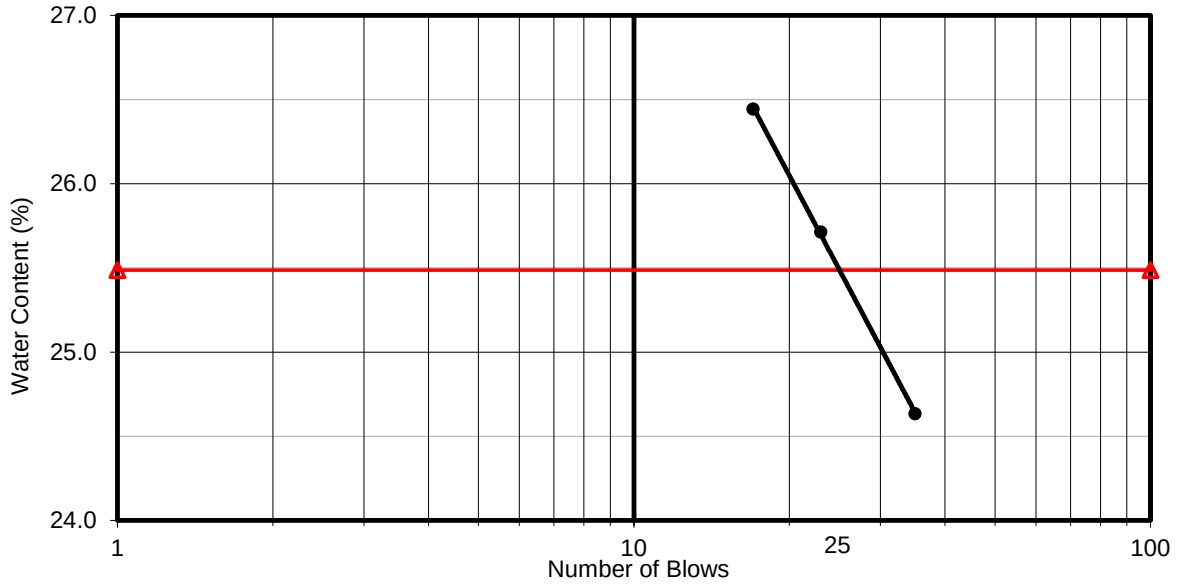
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G117**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**58345**
Depth of Sample:	**1.5m - 1.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1m	3m	10m			X	76	85	
NUMBER OF BLOWS	35	23	17			X	X	X	X
MASS WET SOIL + TARE (g)	17.48	17.93	17.58			685.35	33.06	32.89	
MASS DRY SOIL + TARE (g)	15.46	15.77	15.43			635.66	31.15	30.98	
MASS OF WATER (g)	2.02	2.16	2.15			49.69	1.91	1.91	
MASS OF CONTAINER (g)	7.26	7.37	7.30			384.87	20.93	20.78	
MASS OF DRY SOIL (g)	8.20	8.40	8.13			250.79	10.22	10.20	
WATER CONTENT W (%)	24.6	25.7	26.4			19.8	18.7	18.7	

LIQUID LIMIT (%)	**25.5**
PLASTIC LIMIT (%)	**18.7**
PLASTICITY INDEX (%)	**6.8**
W NATURAL (%)	**19.8**
LIQUIDITY INDEX	**0.16**

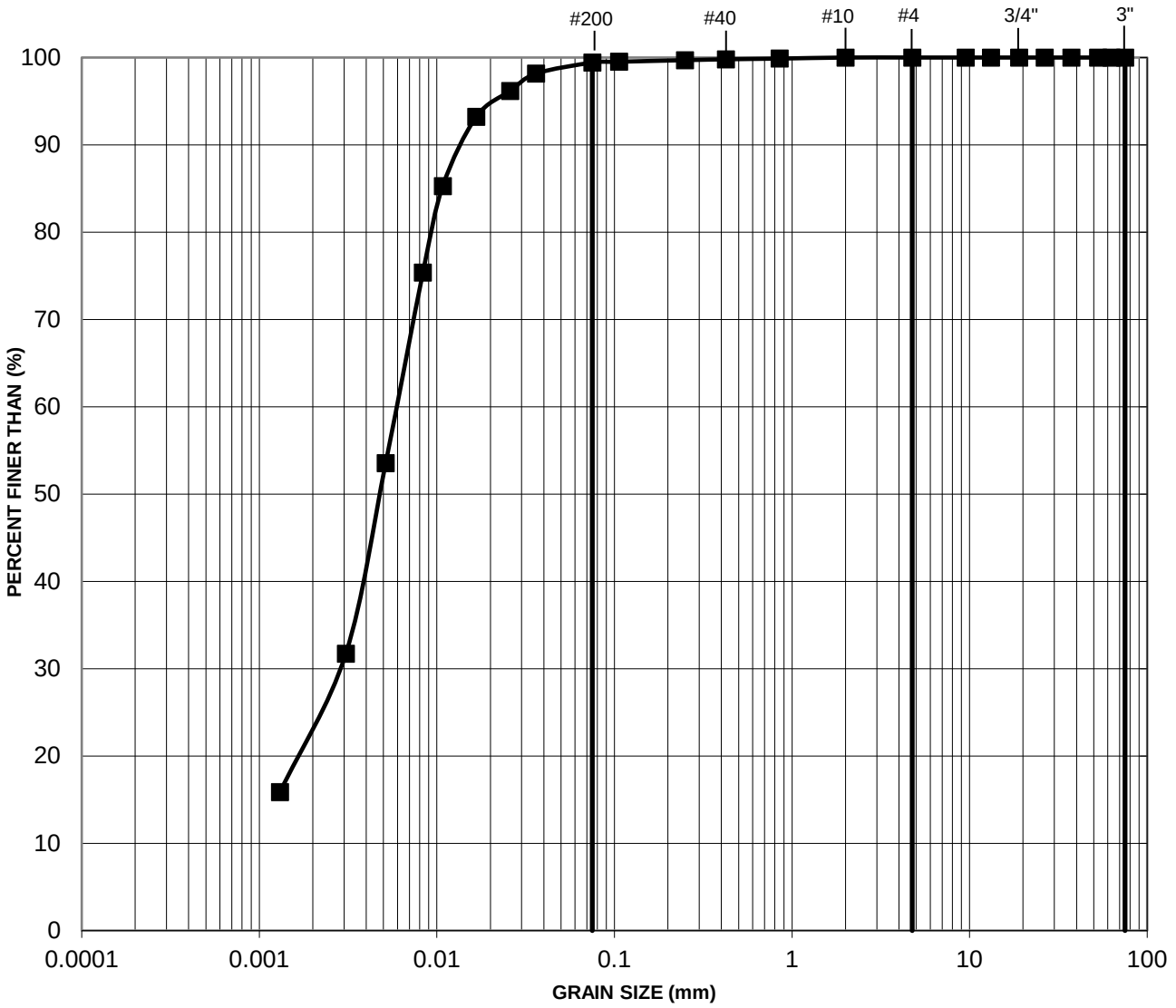


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	36206	20.3m - 20.6m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

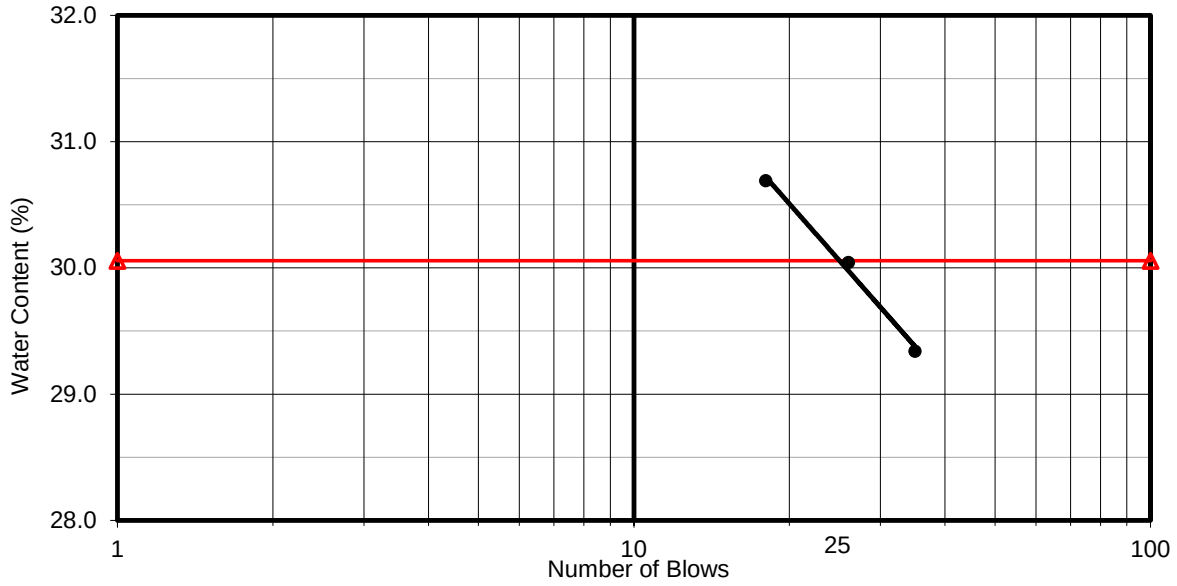
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G118**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36206**
Depth of Sample:	**20.3m - 20.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	152	4	69			X	55	56	
NUMBER OF BLOWS	18	35	26			X	X	X	X
MASS WET SOIL + TARE (g)	18.89	19.22	19.35			643.27	33.46	33.57	
MASS DRY SOIL + TARE (g)	16.18	16.50	16.55			570.16	31.45	31.51	
MASS OF WATER (g)	2.71	2.72	2.80			73.11	2.01	2.06	
MASS OF CONTAINER (g)	7.35	7.23	7.23			304.53	21.38	21.33	
MASS OF DRY SOIL (g)	8.83	9.27	9.32			265.63	10.07	10.18	
WATER CONTENT W (%)	30.7	29.3	30.0			27.5	20.0	20.2	

LIQUID LIMIT (%)	**30.1**
PLASTIC LIMIT (%)	**20.1**
PLASTICITY INDEX (%)	**10.0**
W NATURAL (%)	**27.5**
LIQUIDITY INDEX	**0.75**

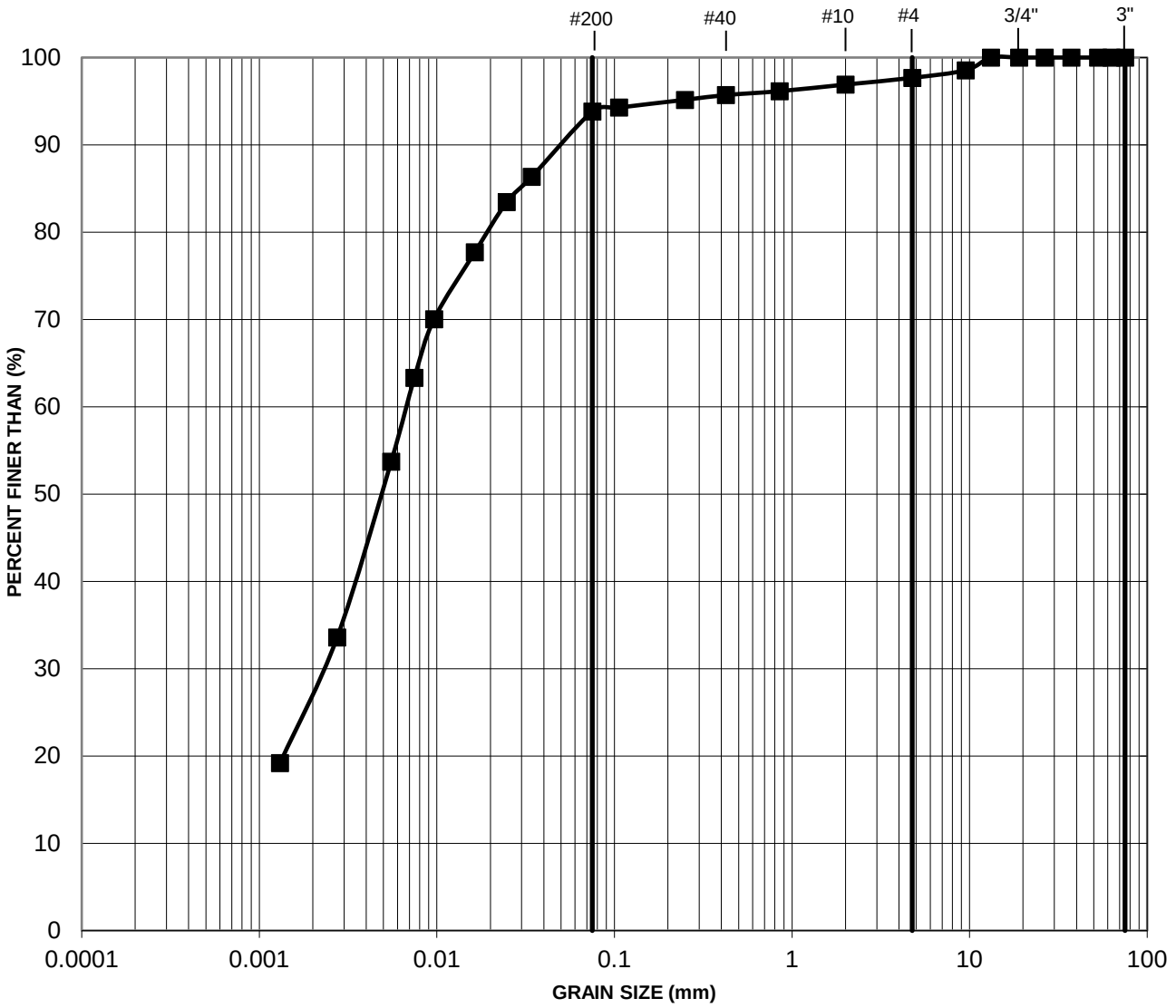


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	36208	25.9m - 26.2m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

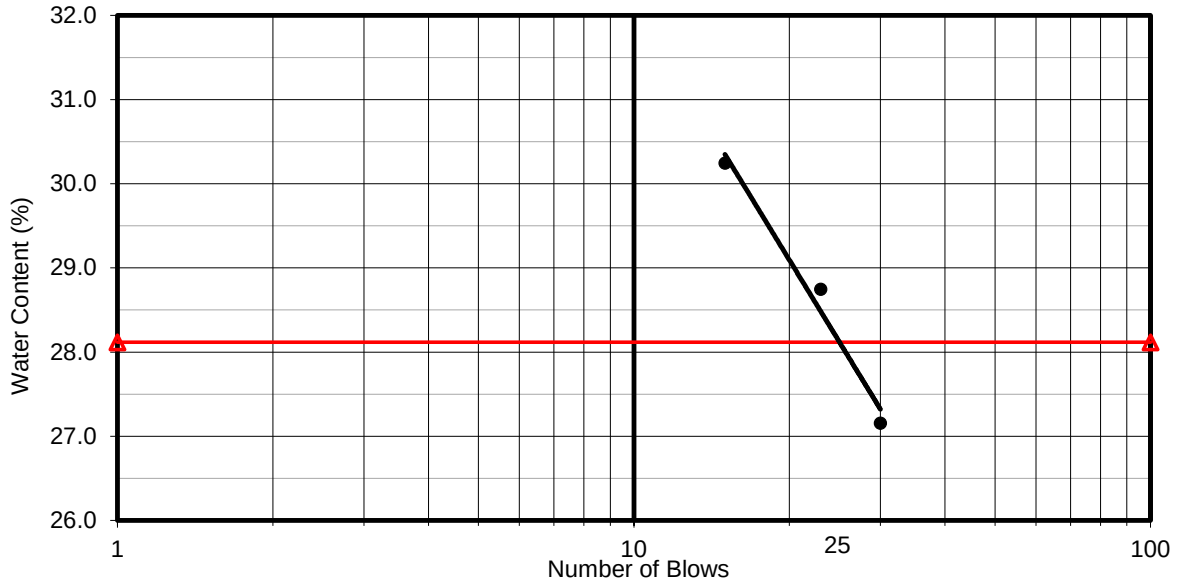
Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 18, 2022**
Technician:	**HAB**
Lab Number:	**G119**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36208**
Depth of Sample:	**25.9m - 26.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1	6m	r12			**X**	R14	MR96	
NUMBER OF BLOWS	15	23	30			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	25.30	24.30	25.39			1294.19	26.72	26.03	
MASS DRY SOIL + TARE (g)	22.72	21.98	23.06			1037.35	24.79	24.14	
MASS OF WATER (g)	2.58	2.32	2.33			256.84	1.93	1.89	
MASS OF CONTAINER (g)	14.19	13.91	14.48			264.62	14.73	14.12	
MASS OF DRY SOIL (g)	8.53	8.07	8.58			772.73	10.06	10.02	
WATER CONTENT W (%)	30.2	28.7	27.2			33.2	19.2	18.9	

LIQUID LIMIT (%)	**28.1**
PLASTIC LIMIT (%)	**19.0**
PLASTICITY INDEX (%)	**9.1**
W NATURAL (%)	**33.2**
LIQUIDITY INDEX	**1.56**

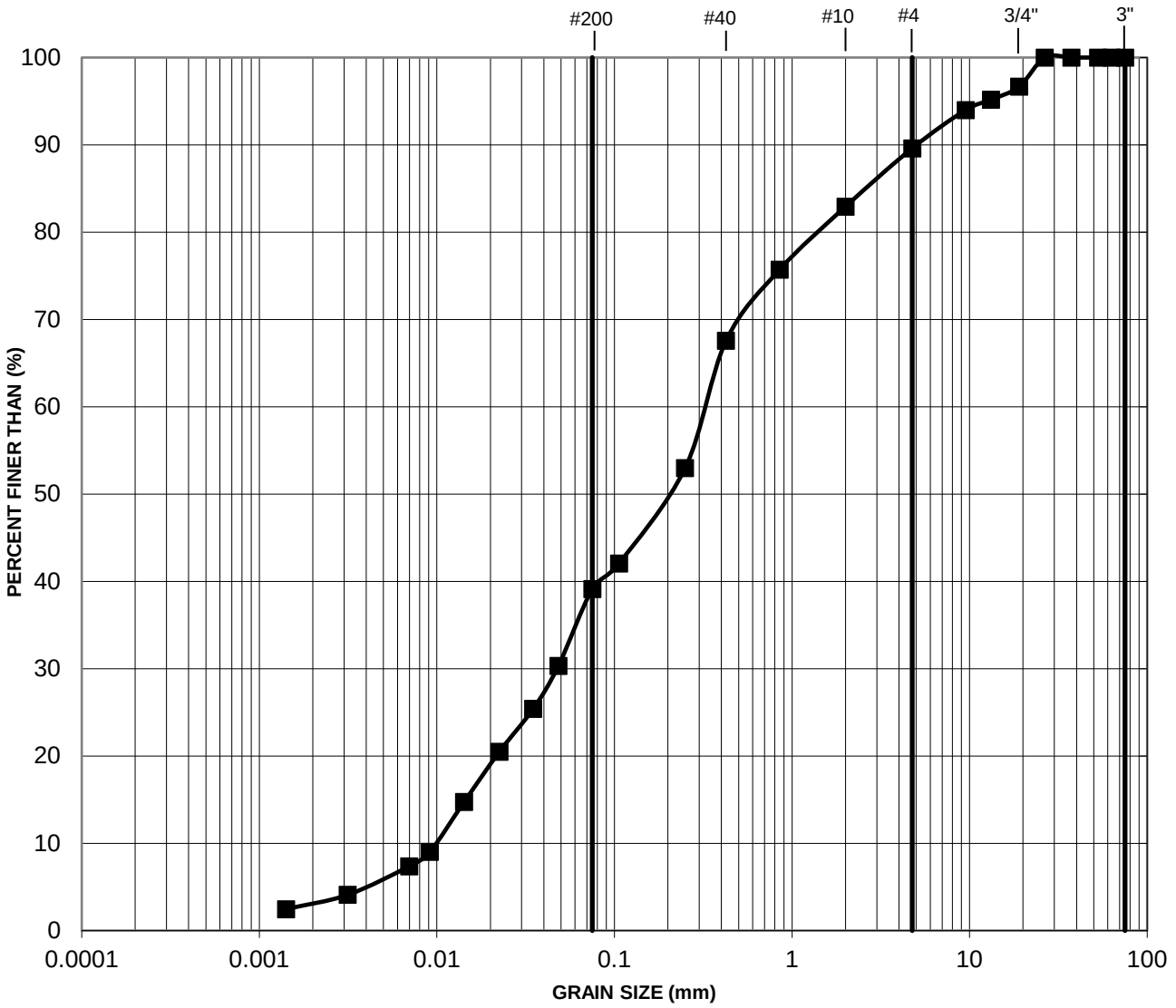


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	36210	29.9m - 30.5m

Project No./Phase/Task: 21504835

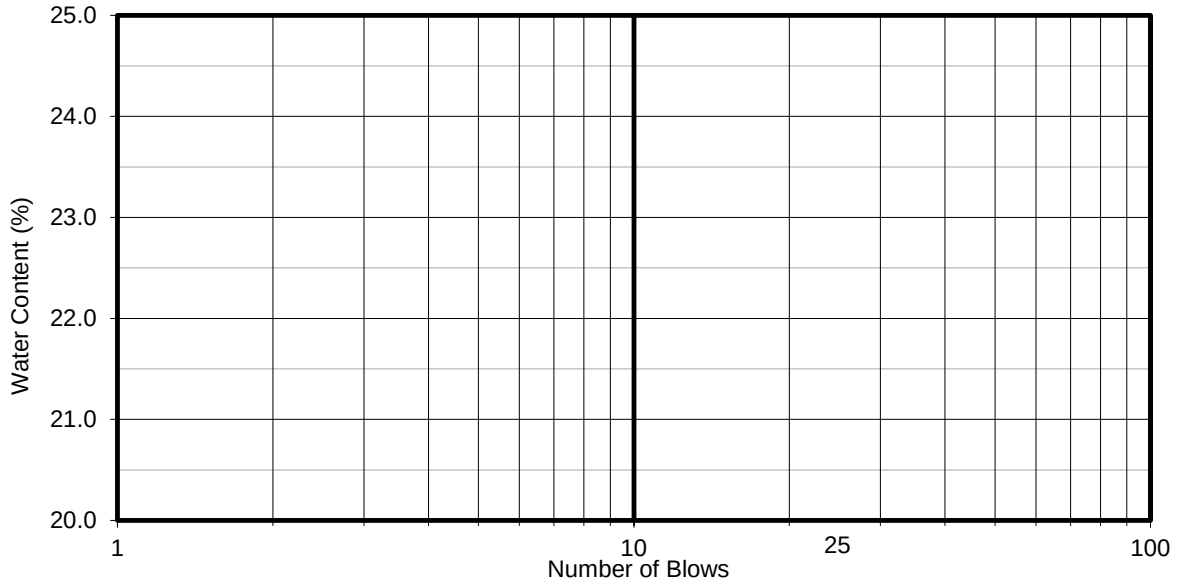
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 22, 2022**
Technician:	**HAB**
Lab Number:	**G120**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36210**
Depth of Sample:	**29.9m - 30.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1411.01			
MASS DRY SOIL + TARE (g)						1174.57			
MASS OF WATER (g)						236.44			
MASS OF CONTAINER (g)						263.46			
MASS OF DRY SOIL (g)						911.11			
WATER CONTENT W (%)						26.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

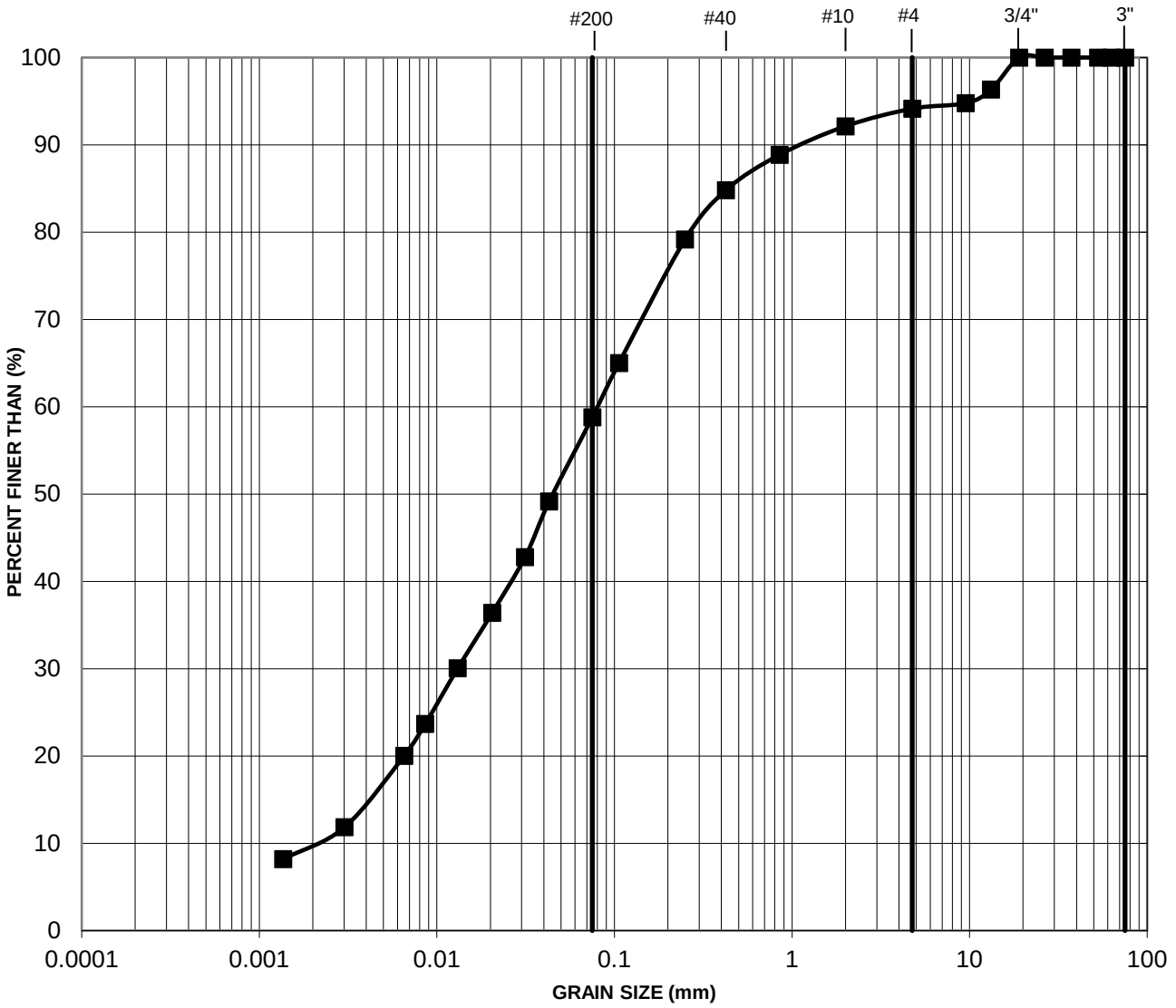


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	36212	35.1m - 35.4m

Project No./Phase/Task: 21504835

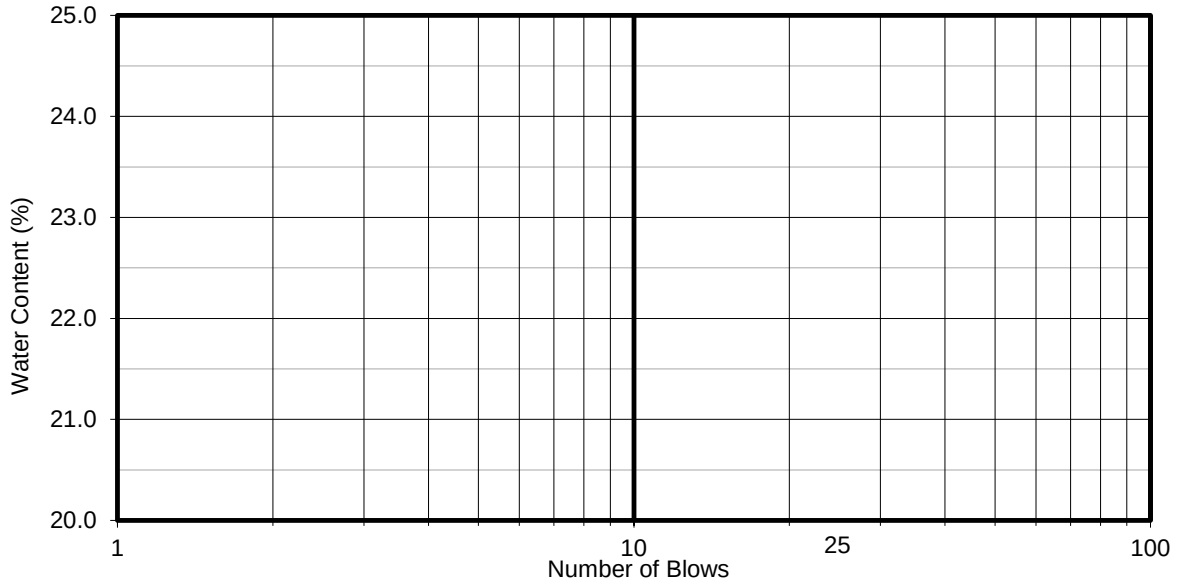
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 22, 2022**
Technician:	**HAB**
Lab Number:	**G121**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36212**
Depth of Sample:	**35.1m - 35.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1874.74			
MASS DRY SOIL + TARE (g)						1775.49			
MASS OF WATER (g)						99.25			
MASS OF CONTAINER (g)						241.11			
MASS OF DRY SOIL (g)						1534.38			
WATER CONTENT W (%)						6.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



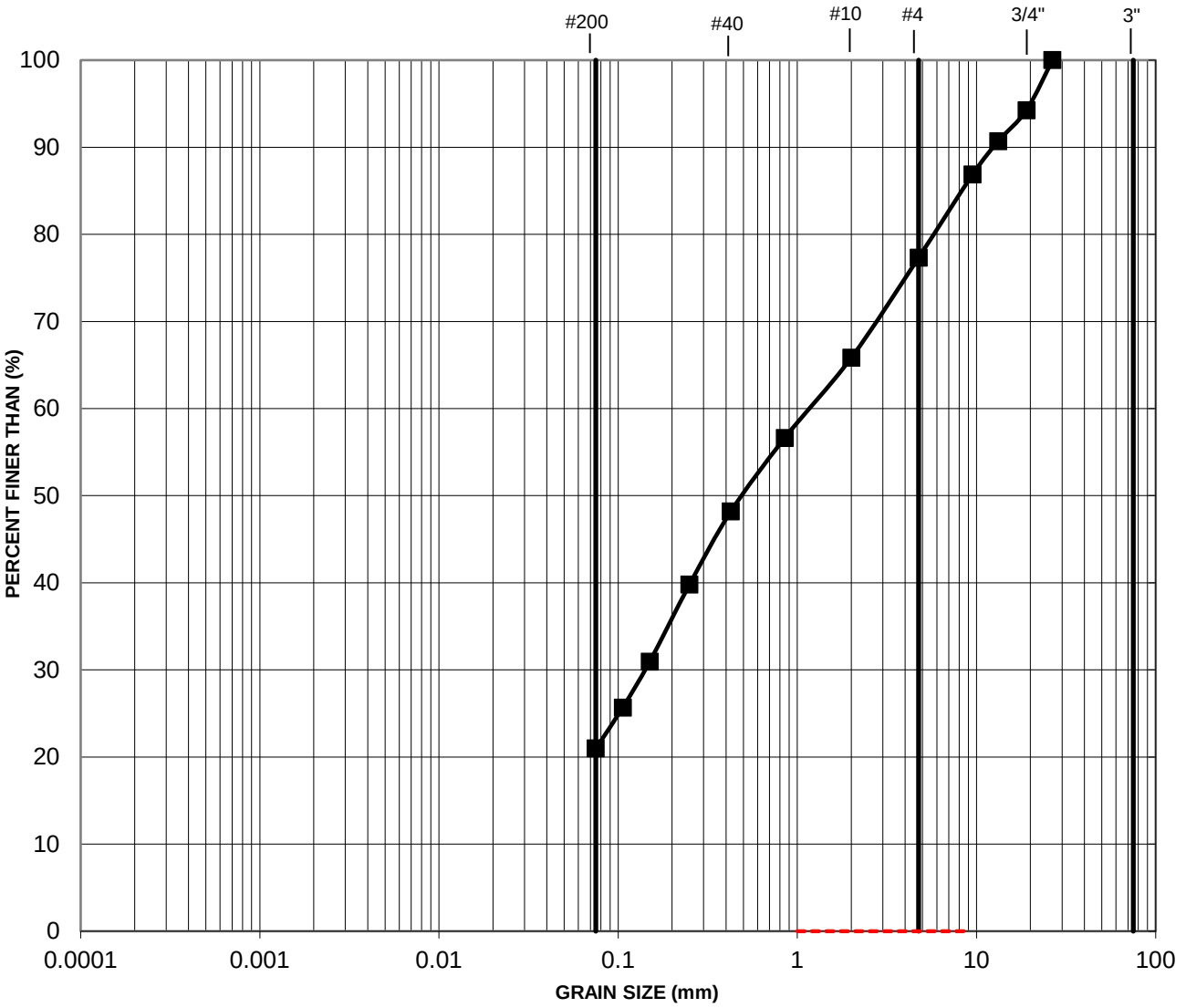
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-OP-BH-09	36215	40.5m - 40.8m

Project No./Phase/Task: 21504835

Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

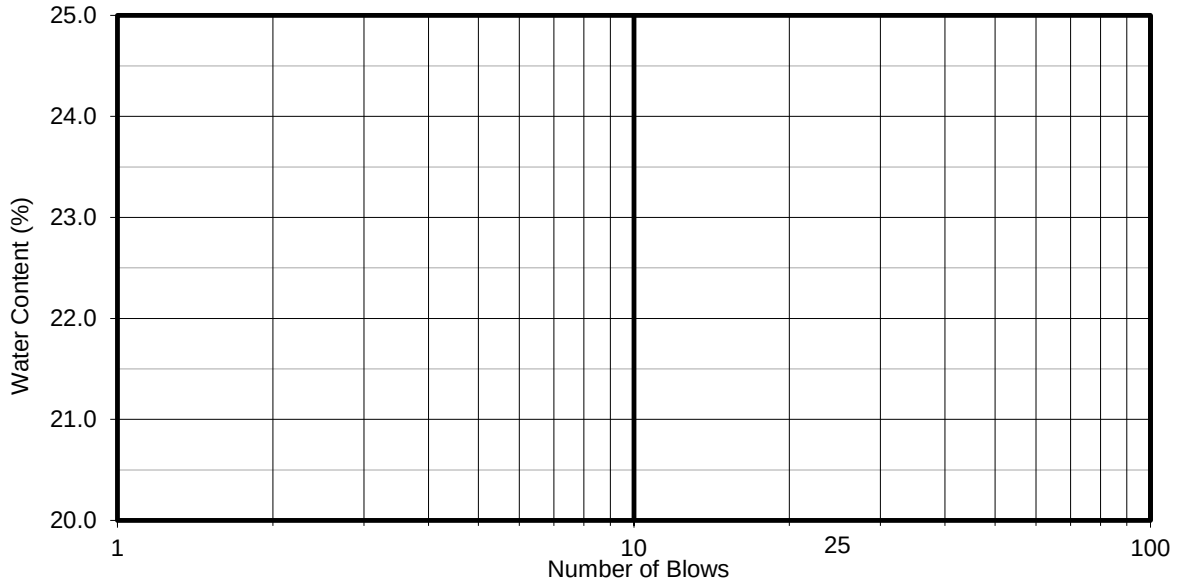
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 17, 2022**
Technician:	**HAB**
Lab Number:	**G122**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36215**
Depth of Sample:	**40.5m - 40.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						2058.73			
MASS DRY SOIL + TARE (g)						1928.27			
MASS OF WATER (g)						130.46			
MASS OF CONTAINER (g)						273.72			
MASS OF DRY SOIL (g)						1654.55			
WATER CONTENT W (%)						7.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

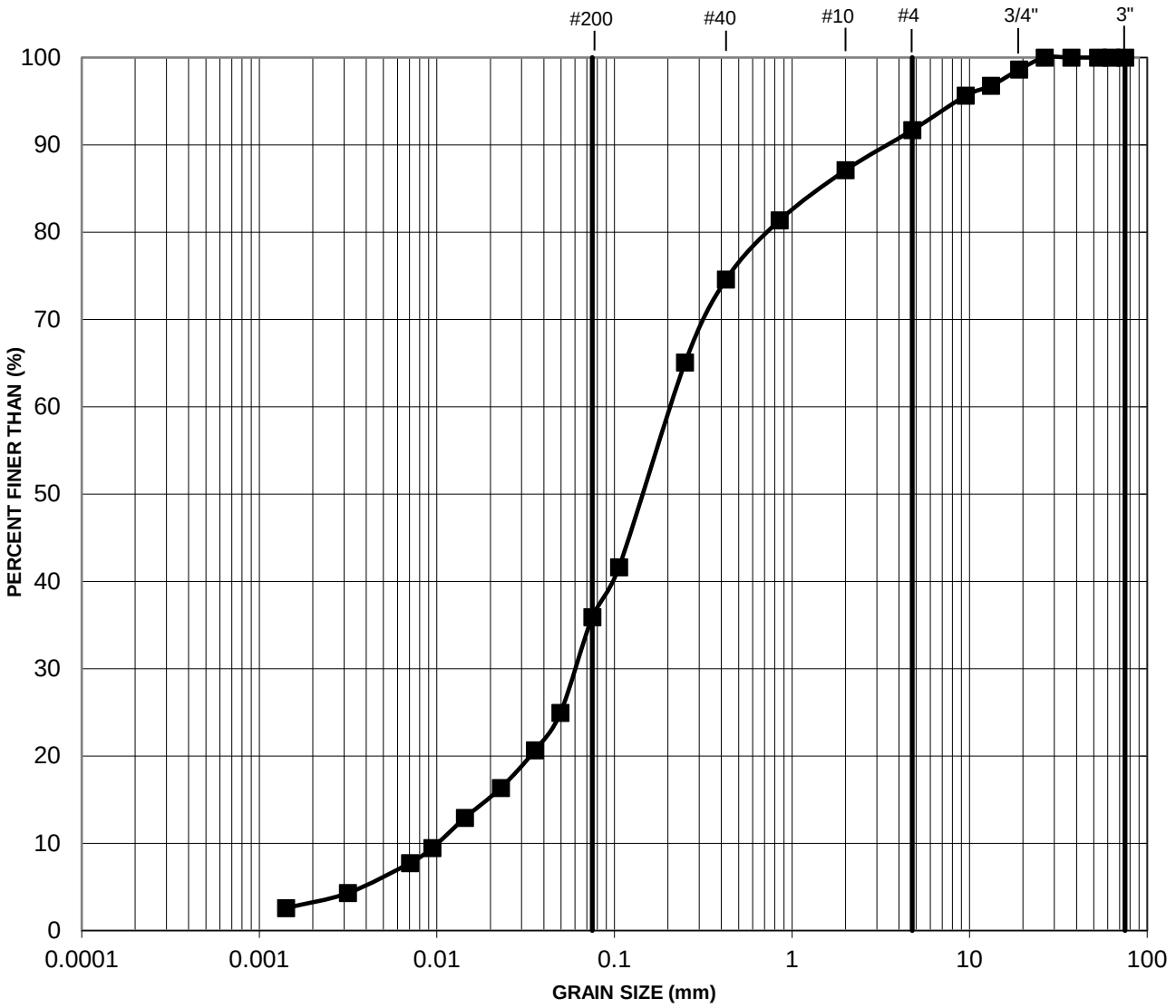


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	0	44.5m - 44.8m

Project No./Phase/Task: 21504835

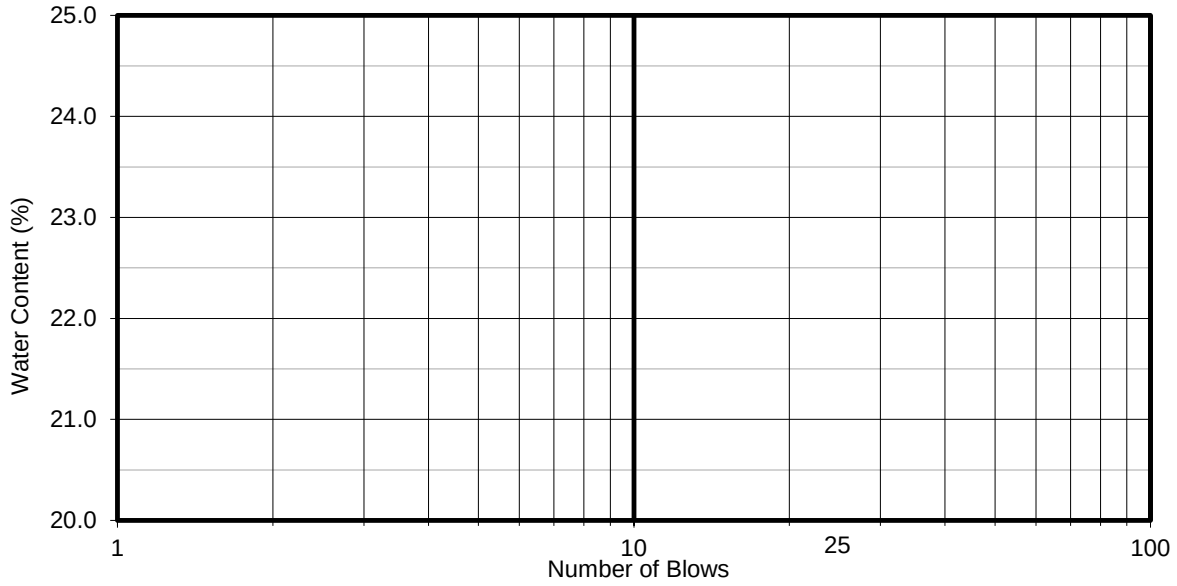
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**February 22, 2022**
Technician:	**HAB**
Lab Number:	**G123**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36217**
Depth of Sample:	**44.5m - 44.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1875.04			
MASS DRY SOIL + TARE (g)						1754.36			
MASS OF WATER (g)						120.68			
MASS OF CONTAINER (g)						235.22			
MASS OF DRY SOIL (g)						1519.14			
WATER CONTENT W (%)						7.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

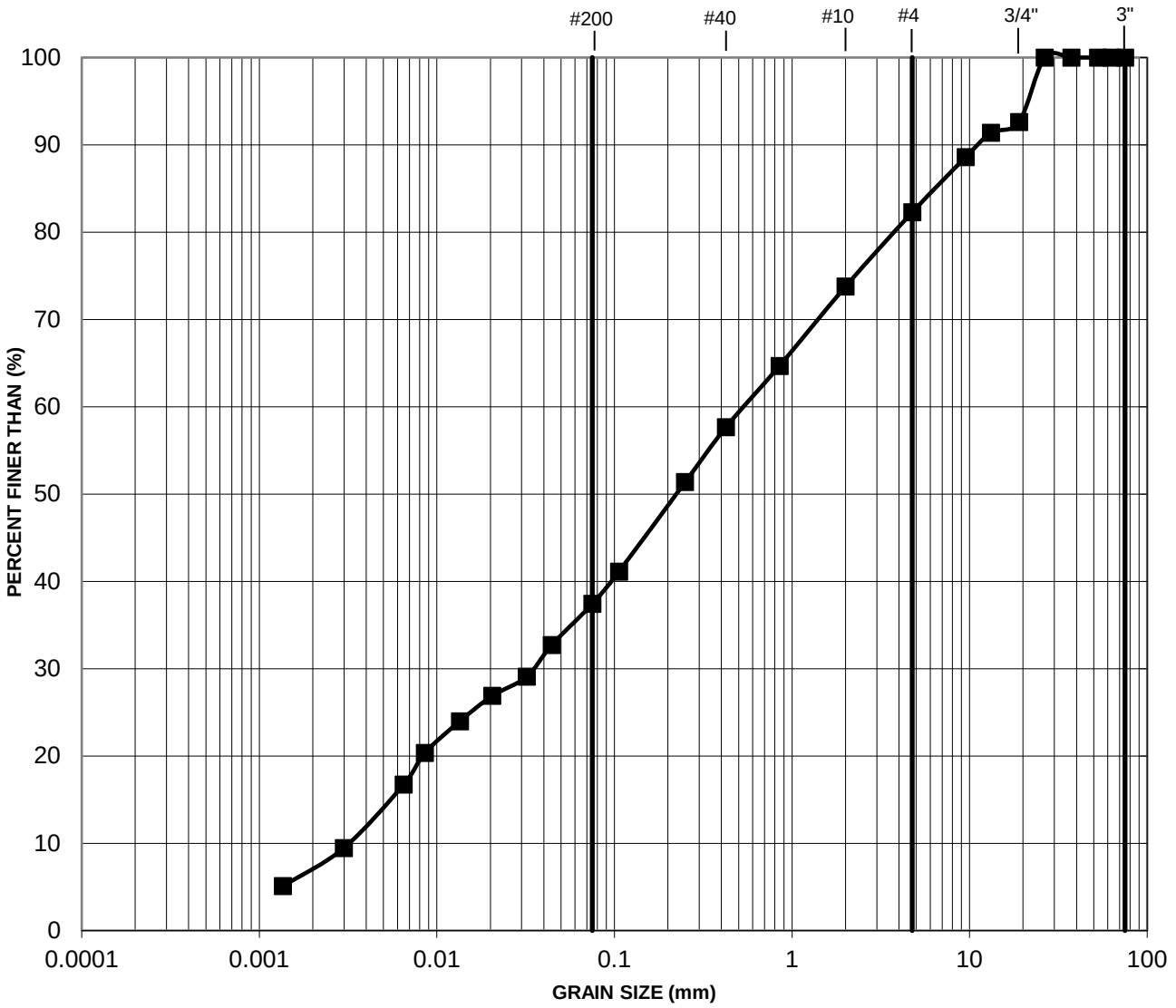


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH-09	36220	50.3m - 50.6m

Project No./Phase/Task: 21504835

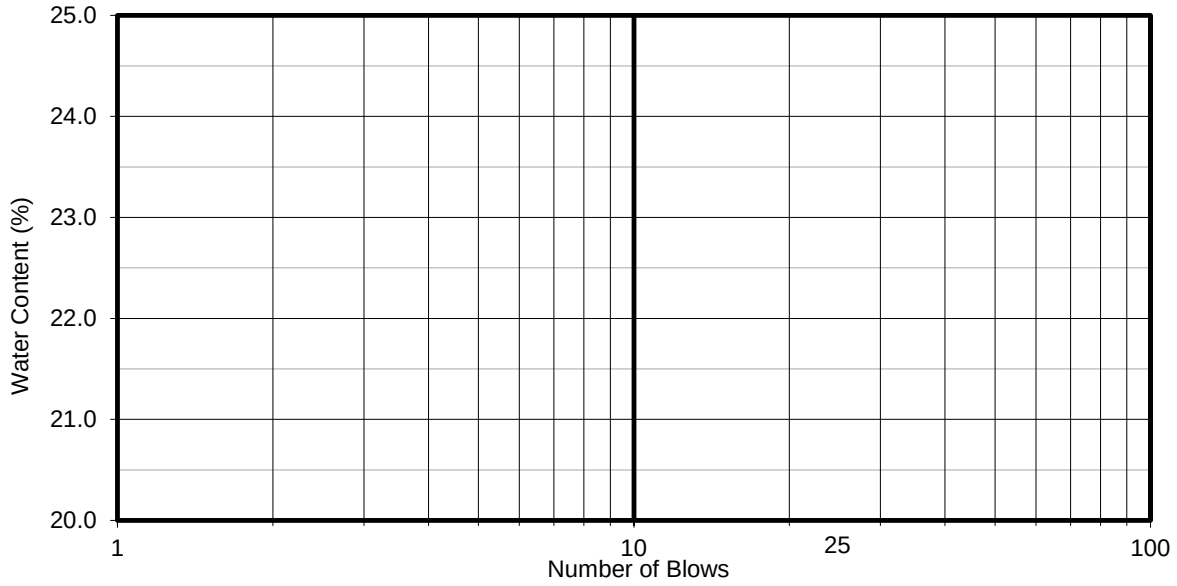
Project Name: SRK Cosulting/SRK Lab Soil Testing

Reviewed by: TG

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835**
Project Name:	**SRK Cosulting/SRK Lab Soil Testing**
Test Date:	**24-Feb-22**
Technician:	**HAB**
Lab Number:	**G124**
Borehole:	**SRK21-OP-BH-09**
Sample Number:	**36220**
Depth of Sample:	**50.3m - 50.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						2341.54			
MASS DRY SOIL + TARE (g)						2201.30			
MASS OF WATER (g)						140.24			
MASS OF CONTAINER (g)						524.61			
MASS OF DRY SOIL (g)						1676.69			
WATER CONTENT W (%)						8.4			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.66	52.23	51.19
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.03	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.04	94.72	93.78
T_x) Test Temperature (0.5 °C)	23.5	23.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.729	2.729	2.725
K) Correction Factor	0.99745	0.99930	0.99732
G_s) Specific Gravity at 20°C = K x G	2.722	2.727	2.718
G_{avg}) Average Specific Gravity at 20 °C	2.722		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-11
		Sample #:	35105
Lab Number	G81	Depth (m)	35.1-35.4
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.14	53.75	53.56
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.06	20.13	20.01
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.48	96.16	96.14
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.752	2.759	2.752
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.745	2.752	2.745
G_{avg}) Average Specific Gravity at 20 °C	2.747		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BH-07
		Sample #:	35110
Lab Number	G83	Depth (m)	1.8-2.1
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.65	52.20	51.30
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.00	20.00	20.11
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.04	94.73	93.88
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.731	2.740	2.737
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.724	2.733	2.730
G_{avg}) Average Specific Gravity at 20 °C	2.729		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BH-07
		Sample #:	35126
Lab Number	G91	Depth (m)	20.7-21.3
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.70	52.32	51.26
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.05	20.12	20.07
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.15	94.87	93.92
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.761	2.764	2.761
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.754	2.757	2.754
G_{avg}) Average Specific Gravity at 20 °C	2.755		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-01
		Sample #:	58463
Lab Number	G102	Depth (m)	22.6-22.9
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.11	53.78	53.55
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.16	20.00
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.42	96.13	96.06
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.736	2.740	2.725
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.729	2.733	2.718
G_{avg}) Average Specific Gravity at 20 °C	2.727		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-01
		Sample #:	58476
Lab Number	G106	Depth (m)	40.7-41.0
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.11	53.64	53.58
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.02	20.03
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.36	95.94	96.00
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.714	2.703	2.696
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.707	2.696	2.689
G_{avg}) Average Specific Gravity at 20 °C	2.697		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BD-02
		Sample #:	58341
Lab Number	G115	Depth (m)	34.7-35.1
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.67	52.24	51.24
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.02	20.04	20.05
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.04	94.73	93.81
T_x) Test Temperature (0.5 °C)	24.0	24.0	24.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.727	2.730	2.725
K) Correction Factor	0.99732	0.99732	0.99732
G_s) Specific Gravity at 20°C = K x G	2.720	2.723	2.718
G_{avg}) Average Specific Gravity at 20 °C	2.720		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
February 18, 2022	2.750

Sample Information

Project Number	21504835-1000	Borehole:	SRK21-OP-BH-09
		Sample #:	36220
Lab Number	G124	Depth (m)	50.3-50.6
Tested By	HK/JM	Date Reported	February 25, 2022
Input by:	JM	Checked By	TG

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835 ph3000
Project Name:	SRK Lab Testing
Client:	SRK Consulting
Org:	1194
Scheduled By:	Erick Lino SRK
Date Scheduled:	July 8, 2022
Due Date:	July 29, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G621

Test Totals:	34	-	7	27	10	1	-	-	-	7				

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-LG-BH04	167507	12.8	13.1	x			x	x						G621
SRK21-LG-BH04	167508	14	14.3	x			x						x	G622
SRK21-LG-BH04	167510	16.8	17.1	x			x							G623
SRK21-LG-BH04	167511	19.5	19.8	x			x							G624
SRK21-LG-BH04	167513	23.2	23.5	x			x							G625
SRK21-LG-BH04	167514	23.8	24.4	x			x	x	Sample not found					G626
SRK21-LG-BH04	167515	25	25.3	x			x							G627
SRK21-LG-BH04	167516	25.6	25.9	x			x							G628
SRK21-LG-BH04	167517	29	29.3	x			x	x						G629
SRK21-NWR-BH07	35257	23.3	23.6	x			x							G630
SRK21-NWR-BH07	35258	24.4	24.7	x			x	x					x	G631
SRK21-NWR-BH07	35261	28.7	29	x			x							G632
SRK21-NWR-BH07	35263	31.7	32	x			x	x						G633
SRK21-PF-BH02	58381	9.1	9.4	x			x						x	G634
SRK21-PF-BH02	58382	11	11.3	x			x						x	G635
SRK21-PF-BH04	167840	10.1	10.4	x			x							G636
SRK21-PF-BH04	167841	13.1	13.4	x			x							G637
SRK21-PF-BH04	167843	16.2	16.5	x			x							G638
SRK21-PF-BH04	167848	25.3	25.6	x			x						x	G639
SRK21-PF-BH04	167849	27.4	27.7	x			x							G640
SRK21-PF-BH04	167952	34.4	34.7	x			x							G641
SRK21-PF-BH04	167953	37.5	37.8	x			x							G642
SRK22-PF-BH03	167296	22.6	22.9	x		x								G643
SRK22-PF-BH03	167297	32.6	32.9	x		x		x					x	G644
SRK22-PF-BH03	167298	33.8	34.1	x		x								G645
SRK22-PF-BH03	167300	39.6	39.9	x		x								G646

GOLDER

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK22-PF-BH03	168201	41.5	41.8	x		x		x						G647
SRK22-SOS-BH-02	167078	41.5	41.8	x			x						x	G648
SRK22-SOS-BH-02	167080	46	46.3	x			x							G649
SRK21-WRD-BH16	167980	10.7	11	x		x		x						G650
SRK21-WRD-BH16	167985	17.7	18	x		x		x						G651
SRK22-WOS-BH-01	167395	21.9	22.3	x			x							G652
SRK22-WOS-BH-01	167397	26.8	27.4	x			x	x						G653
SRK22-WOS-BH-01	167398	29.6	29.9	x			x							G654

GOLDER

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

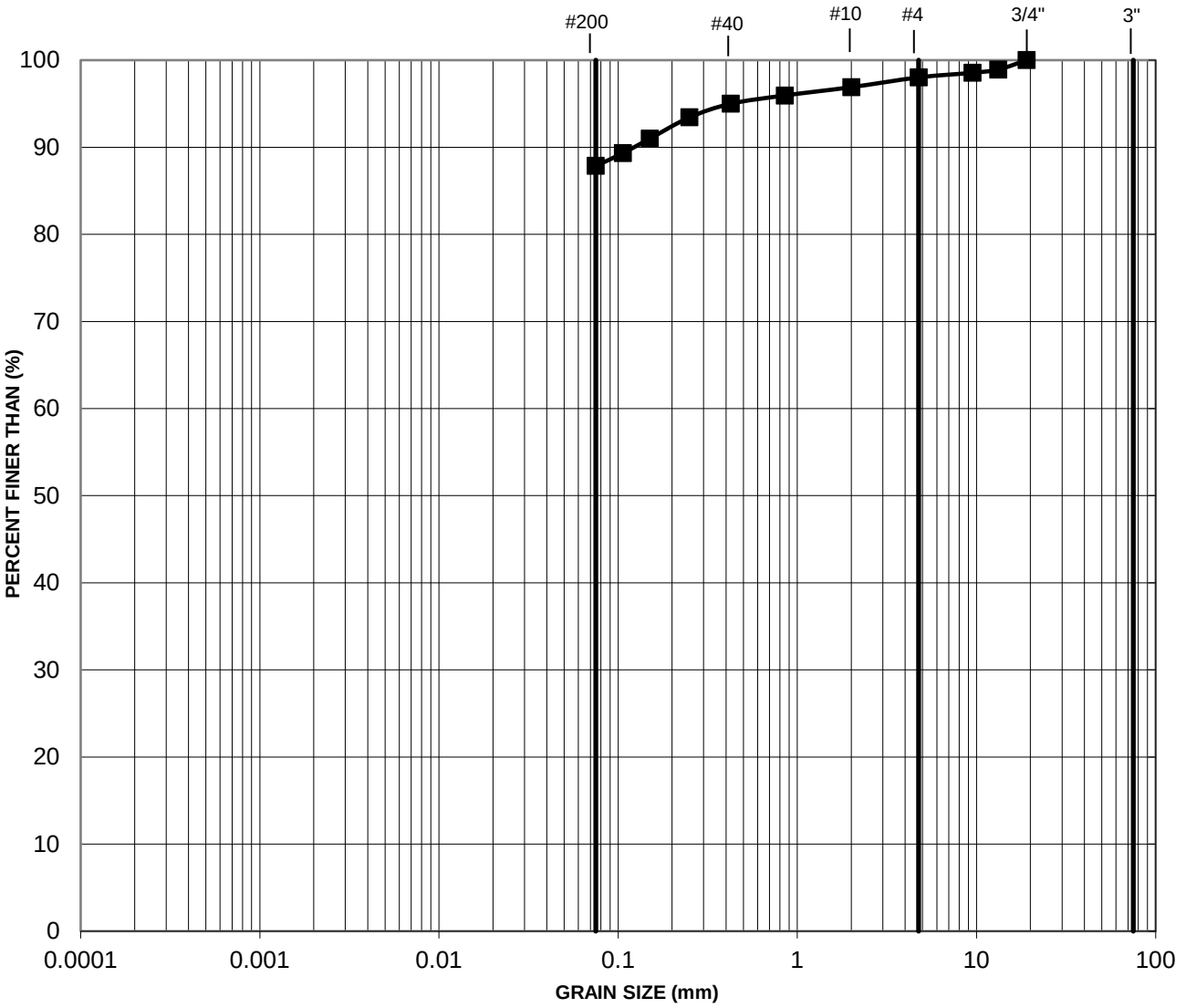
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Lab Water Content No.:	**G621**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK21-LG-BH04	167507	12.8m - 13.1m	24.6	23.9	18.8	5.1	1.1
SRK21-LG-BH04	167508	14m - 14.3m	11.5				
SRK21-LG-BH04	167510	16.8m - 17.1m	6.6				
SRK21-LG-BH04	167511	19.5m - 19.8m	8.2				
SRK21-LG-BH04	167513	23.2m - 23.5m	11.7				
SRK21-LG-BH04	167514	23.8m - 24.4m	Sample not found				
SRK21-LG-BH04	167515	25m - 25.3m	13.0				
SRK21-LG-BH04	167516	25.6m - 25.9m	10.7				
SRK21-LG-BH04	167517	29m - 29.3m	13.0	NP	NP	NP	NP
SRK21-NWR-BH07	35257	23.3m - 23.6m	14.1				
SRK21-NWR-BH07	35258	24.4m - 24.7m	14.5	NP	NP	NP	NP
SRK21-NWR-BH07	35261	28.7m - 29m	19.8				
SRK21-NWR-BH07	35263	31.7m - 32m	8.1	15.7	13.4	2.3	-2.3
SRK21-PF-BH02	58381	9.1m - 9.4m	20.1				
SRK21-PF-BH02	58382	11m - 11.3m	19.0				
SRK21-PF-BH04	167840	10.1m - 10.4m	21.0				
SRK21-PF-BH04	167841	13.1m - 13.4m	19.7				
SRK21-PF-BH04	167843	16.2m - 16.5m	21.6				
SRK21-PF-BH04	167848	25.3m - 25.6m	17.2				
SRK21-PF-BH04	167849	27.4m - 27.7m	14.3				
SRK21-PF-BH04	167952	34.4m - 34.7m	16.3				
SRK21-PF-BH04	167953	37.5m - 37.8m	15.2				
SRK22-PF-BH03	167296	22.6m - 22.9m	30.6				
SRK22-PF-BH03	167297	32.6m - 32.9m	18.3	NP	NP	NP	NP
SRK22-PF-BH03	167298	33.8m - 34.1m	14.8				
SRK22-PF-BH03	167300	39.6m - 39.9m	7.9				
SRK22-PF-BH03	168201	41.5m - 41.8m	9.2	22.7	17.9	4.9	-1.8
SRK22-SOS-BH-02	167078	41.5m - 41.8m	9.4				
SRK22-SOS-BH-02	167080	46m - 46.3m	14.2				
SRK21-WRD-BH16	167980	10.7m - 11m	15.3	53.8	23.1	30.7	-0.3
SRK21-WRD-BH16	167985	17.7m - 18m	28.1	30.9	18.9	12.0	0.8
SRK22-WOS-BH-01	167395	21.9m - 22.3m	10.9				
SRK22-WOS-BH-01	167397	26.8m - 27.4m	14.8	NP	NP	NP	NP
SRK22-WOS-BH-01	167398	29.6m - 29.9m	7.4				

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-LG-BH04	167507	12.8m - 13.1m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

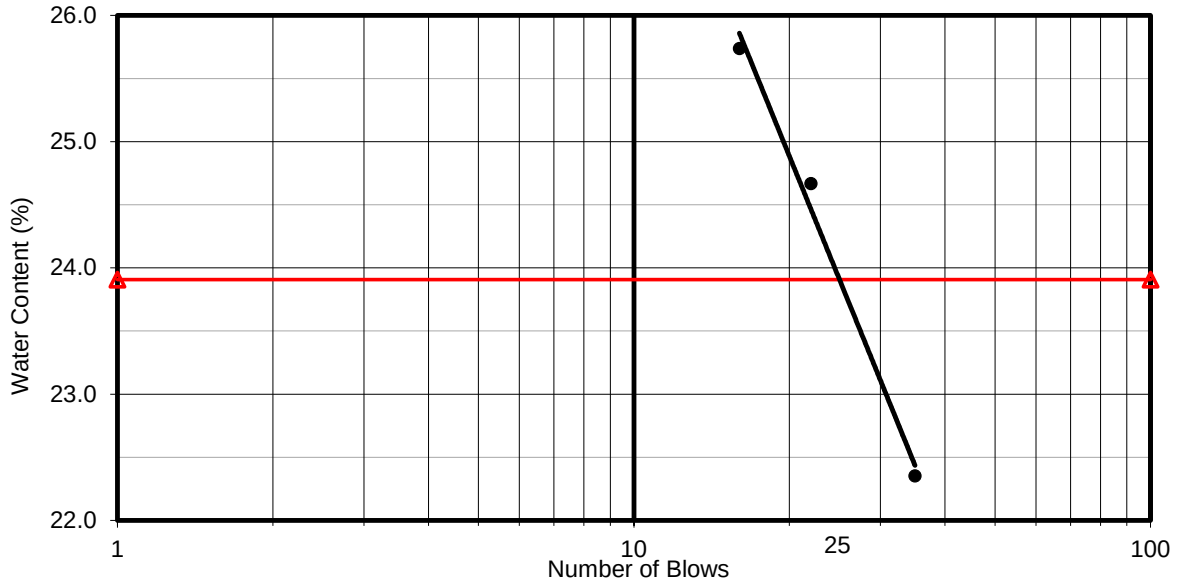
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**13-Jul-22**
Technician:	**HAB**
Lab Number:	**G621**
Borehole:	**SRK21-LG-BH04**
Sample Number:	**167507**
Depth of Sample:	**12.8m - 13.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7L	R8L	10			X	i	R12	
NUMBER OF BLOWS	16	22	35			X	X	X	X
MASS WET SOIL + TARE (g)	19.23	19.50	19.60			1400.91	26.85	27.15	
MASS DRY SOIL + TARE (g)	16.79	17.07	17.32			1172.37	24.83	25.17	
MASS OF WATER (g)	2.44	2.43	2.28			228.54	2.02	1.98	
MASS OF CONTAINER (g)	7.31	7.22	7.12			242.17	14.21	14.49	
MASS OF DRY SOIL (g)	9.48	9.85	10.20			930.20	10.62	10.68	
WATER CONTENT W (%)	25.7	24.7	22.4			24.6	19.0	18.5	

LIQUID LIMIT (%)	**23.9**
PLASTIC LIMIT (%)	**18.8**
PLASTICITY INDEX (%)	**5.1**
W NATURAL (%)	**24.6**
LIQUIDITY INDEX	**1.13**



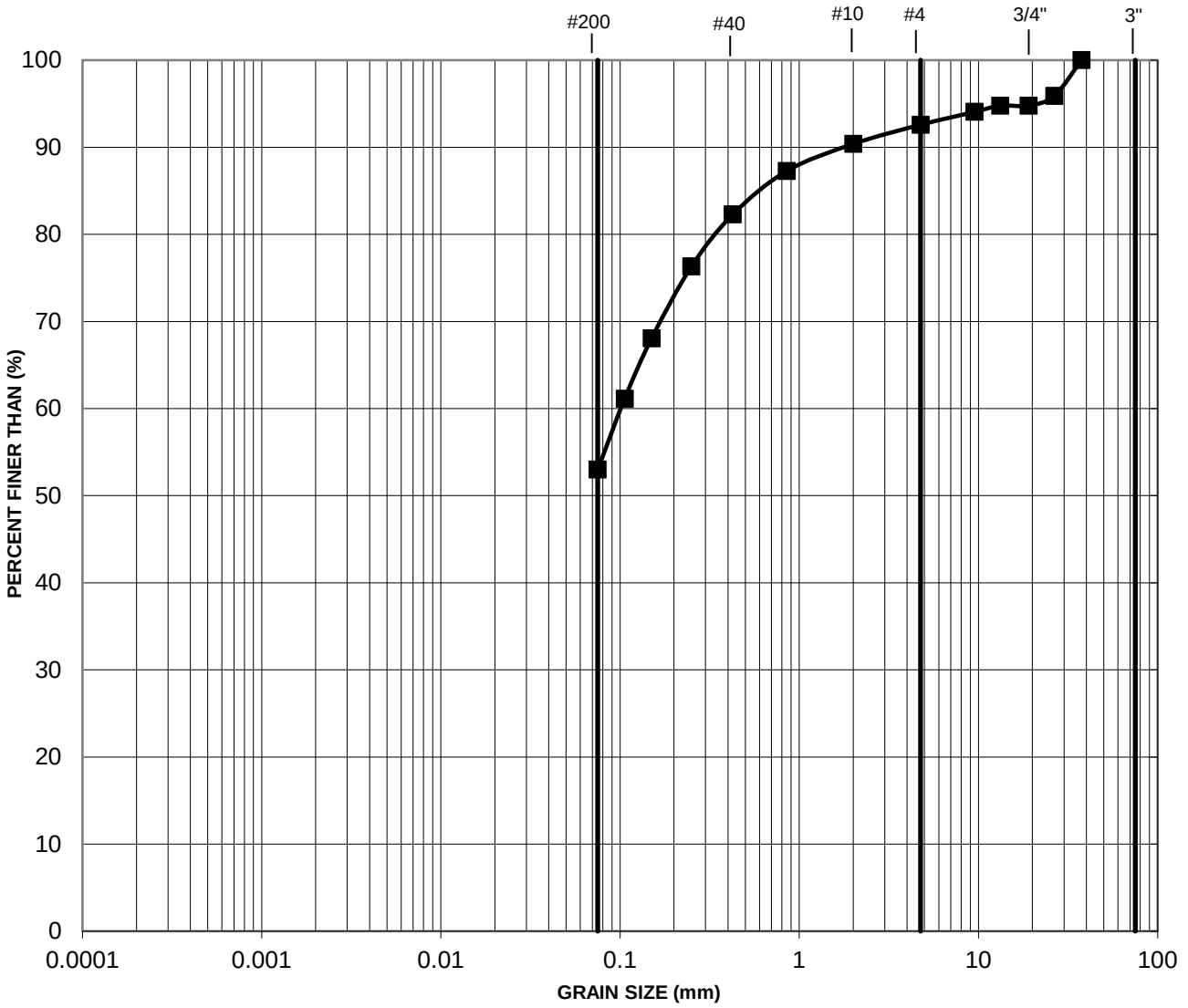
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-LG-BH04	167508	14m - 14.3m

Project No./Phase/Task: 21504835 ph3000

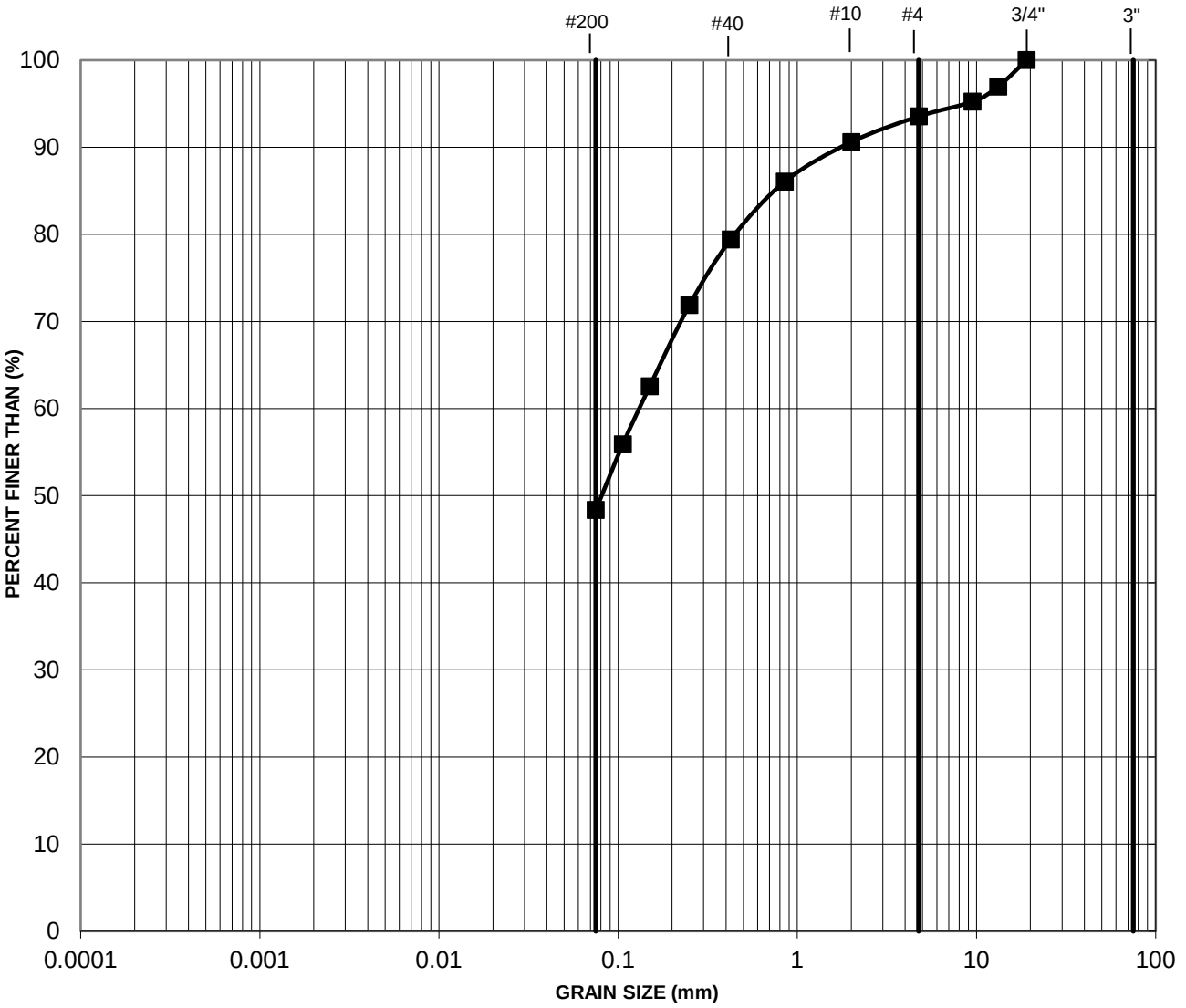
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-LG-BH04	167510	16.8m - 17.1m

Project No./Phase/Task: 21504835 ph3000

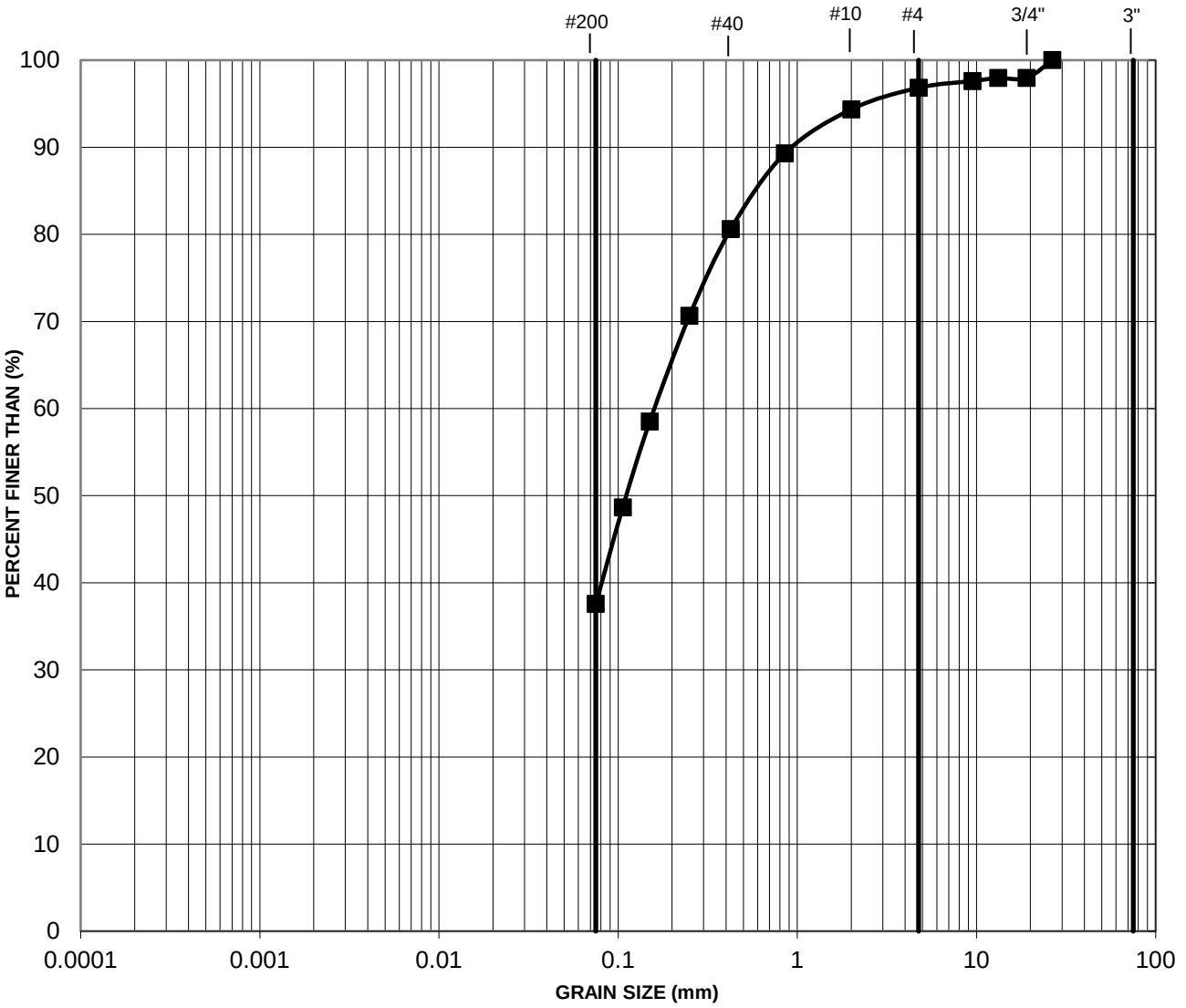
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LG-BH04	167511	19.5m - 19.8m

Project No./Phase/Task: 21504835 ph3000

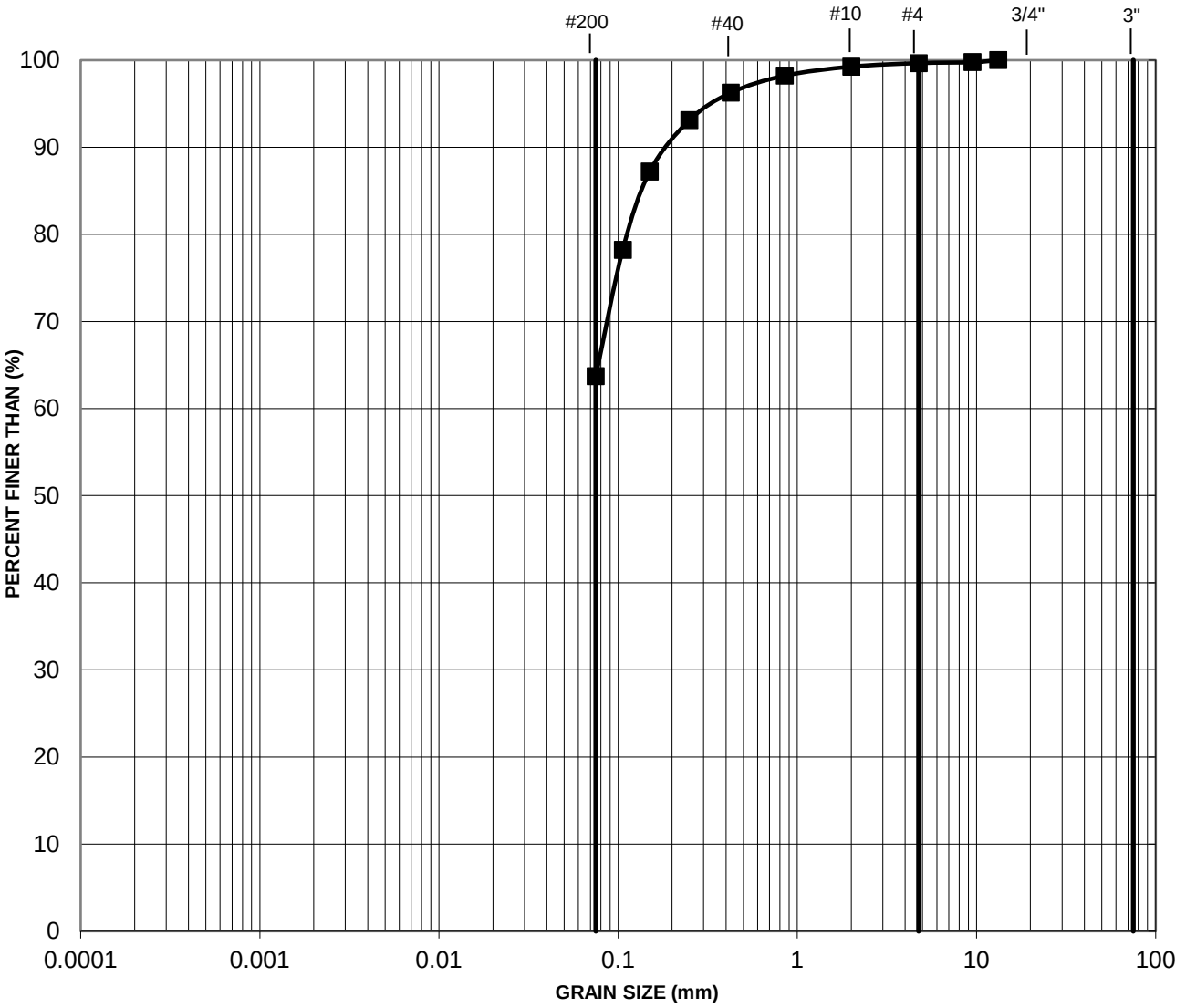
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LG-BH04	167513	23.2m - 23.5m

Project No./Phase/Task: 21504835 ph3000

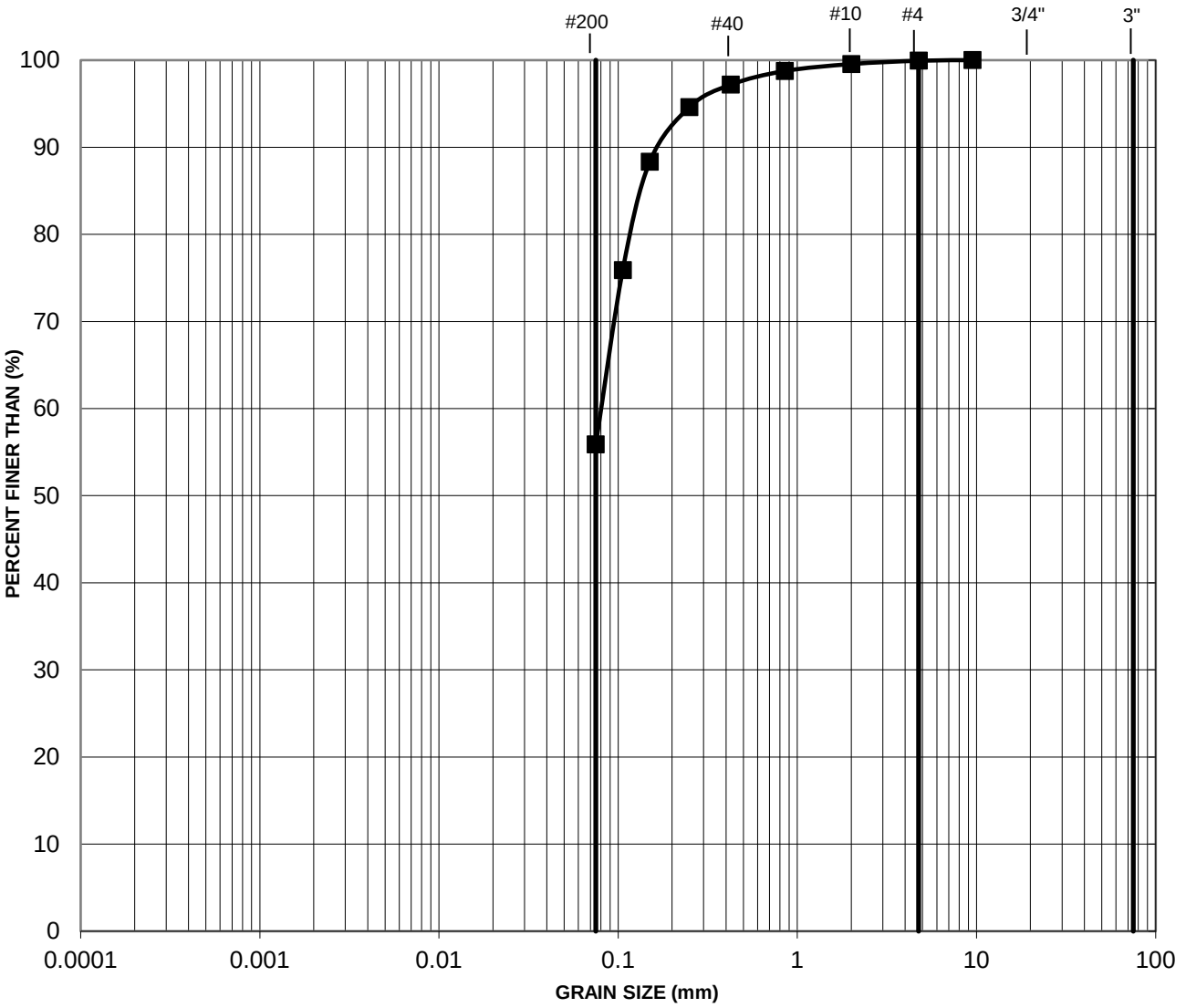
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-LG-BH04	167515	25m - 25.3m

Project No./Phase/Task: 21504835 ph3000

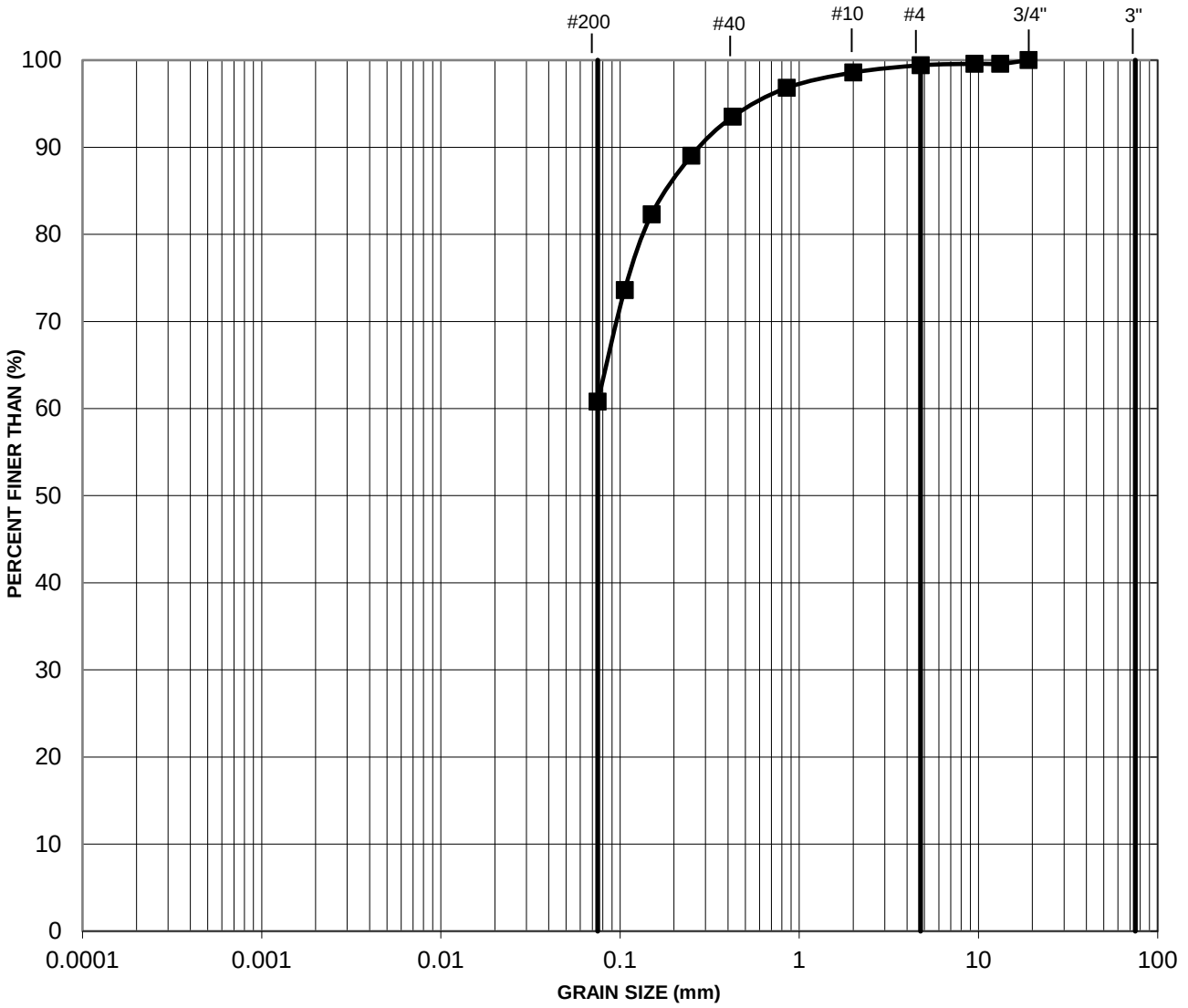
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LG-BH04	167516	25.6m - 25.9m

Project No./Phase/Task: 21504835 ph3000

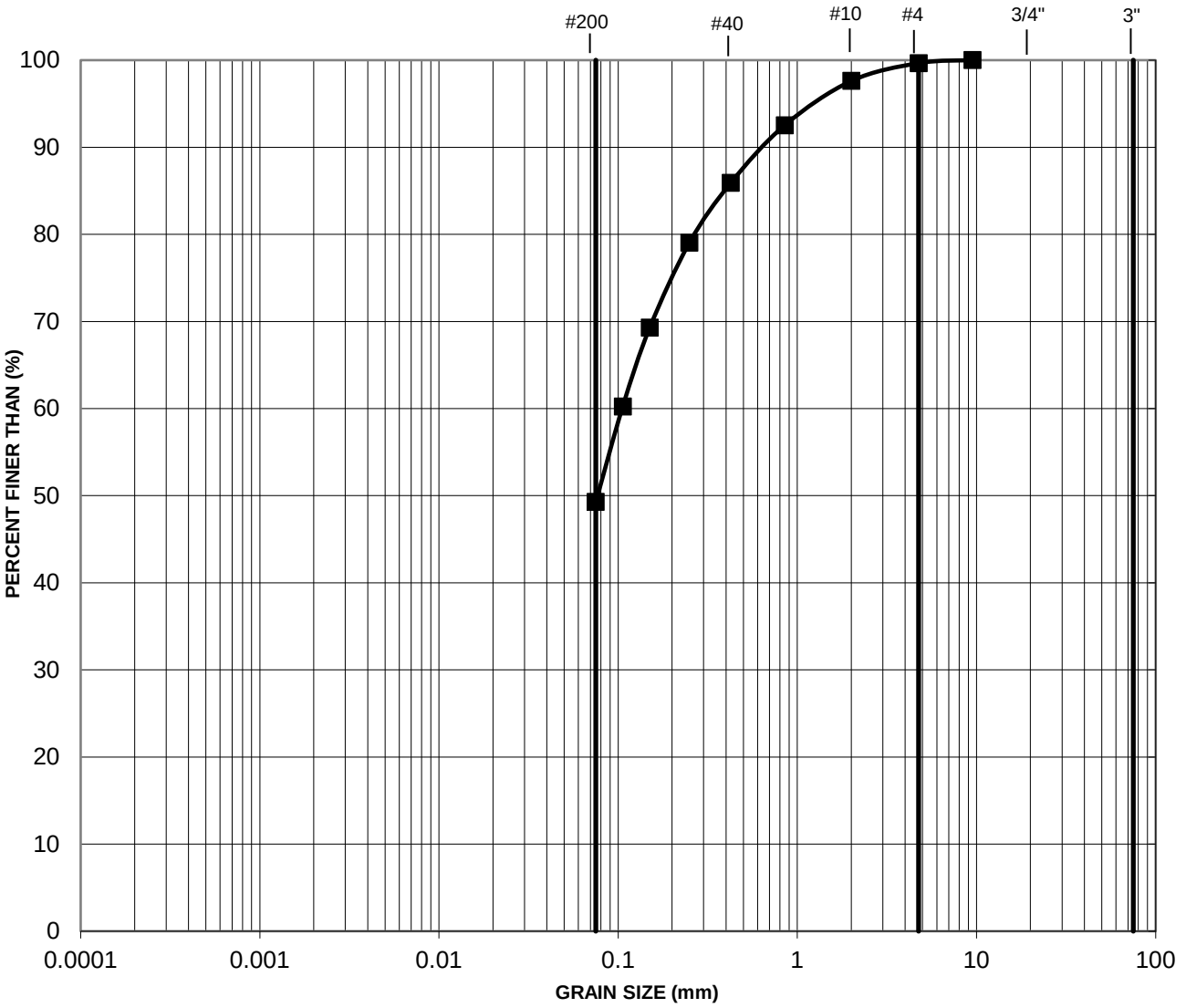
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-LG-BH04	167517	29m - 29.3m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

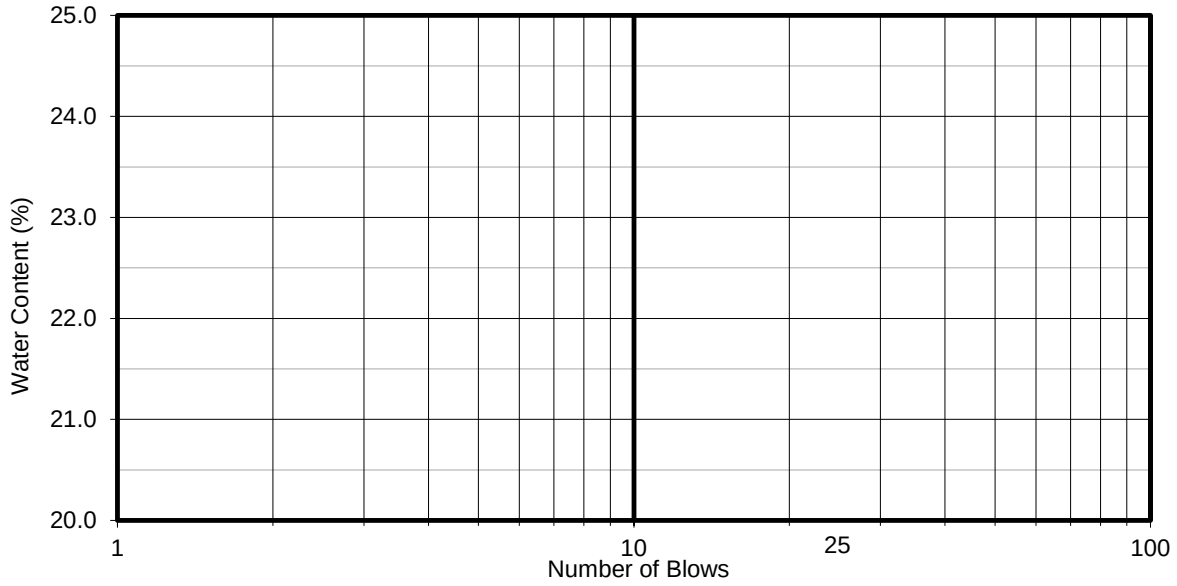
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**13-Jul-22**
Technician:	**HAB**
Lab Number:	**G629**
Borehole:	**SRK21-LG-BH04**
Sample Number:	**167517**
Depth of Sample:	**29m - 29.3m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						2417.50			
MASS DRY SOIL + TARE (g)						2199.28			
MASS OF WATER (g)						218.22			
MASS OF CONTAINER (g)						523.20			
MASS OF DRY SOIL (g)						1676.08			
WATER CONTENT W (%)						13.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



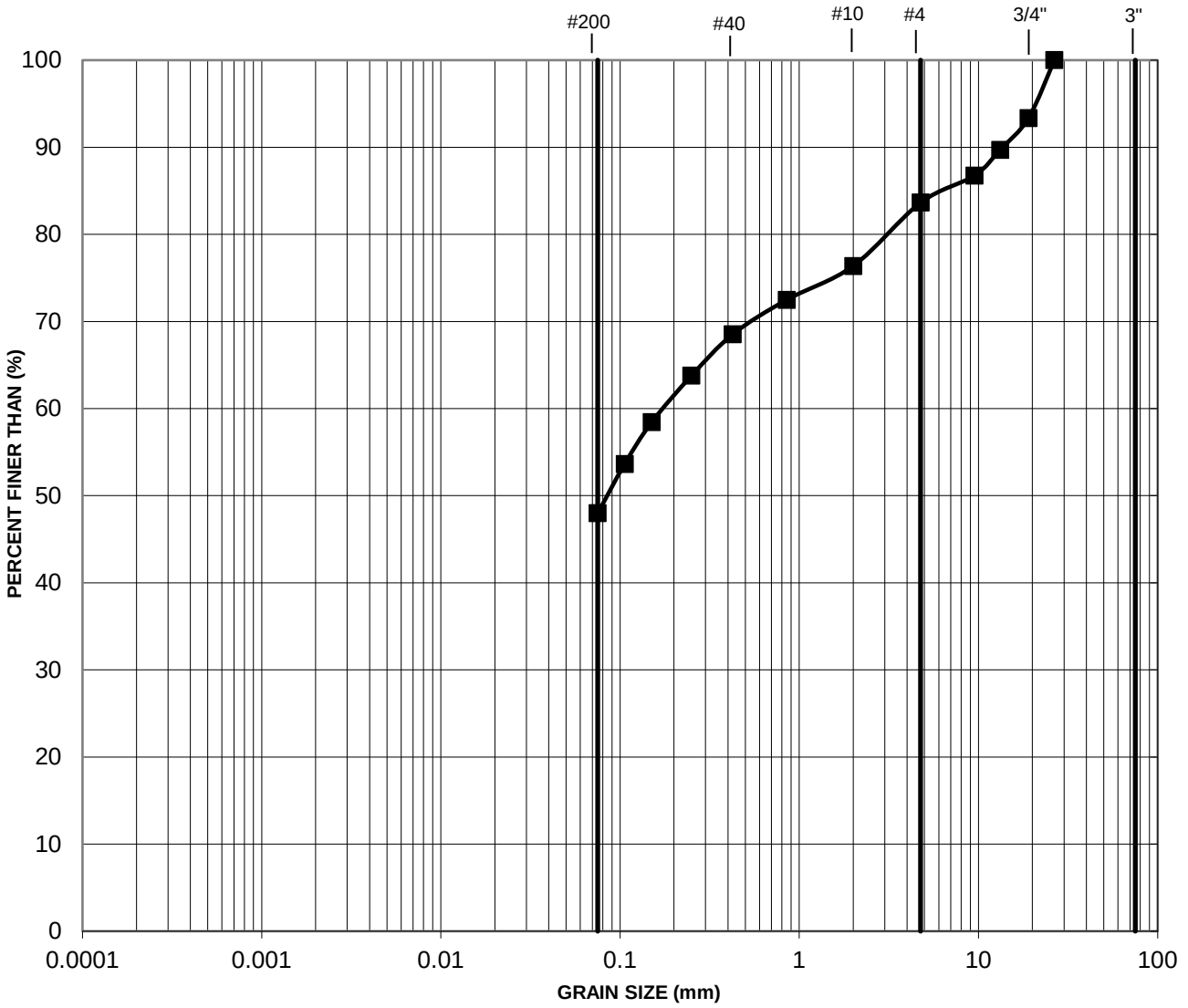
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-NWR-BH07	35257	23.3m - 23.6m

Project No./Phase/Task: 21504835 ph3000

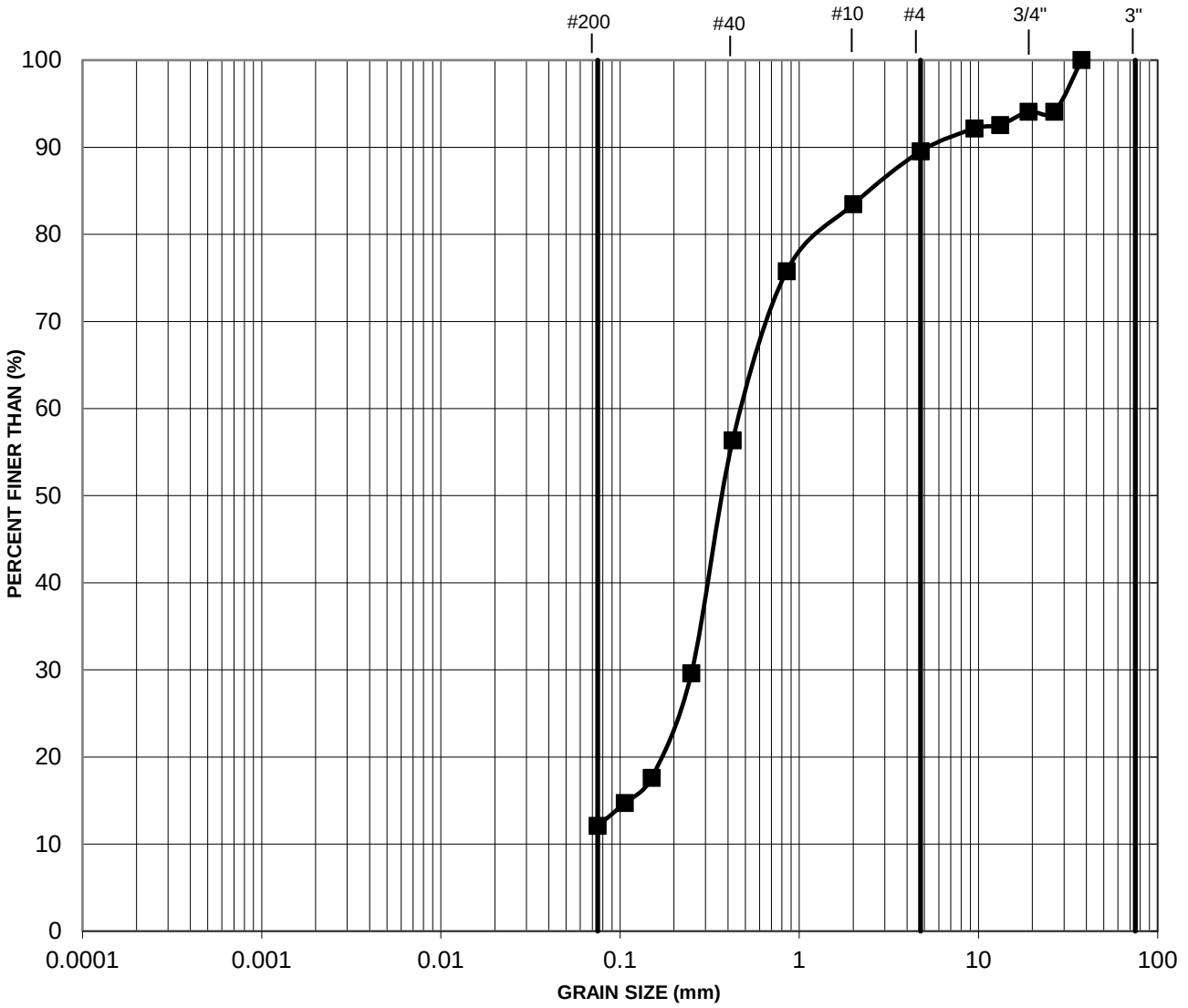
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-NWR-BH07	35258	24.4m - 24.7m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

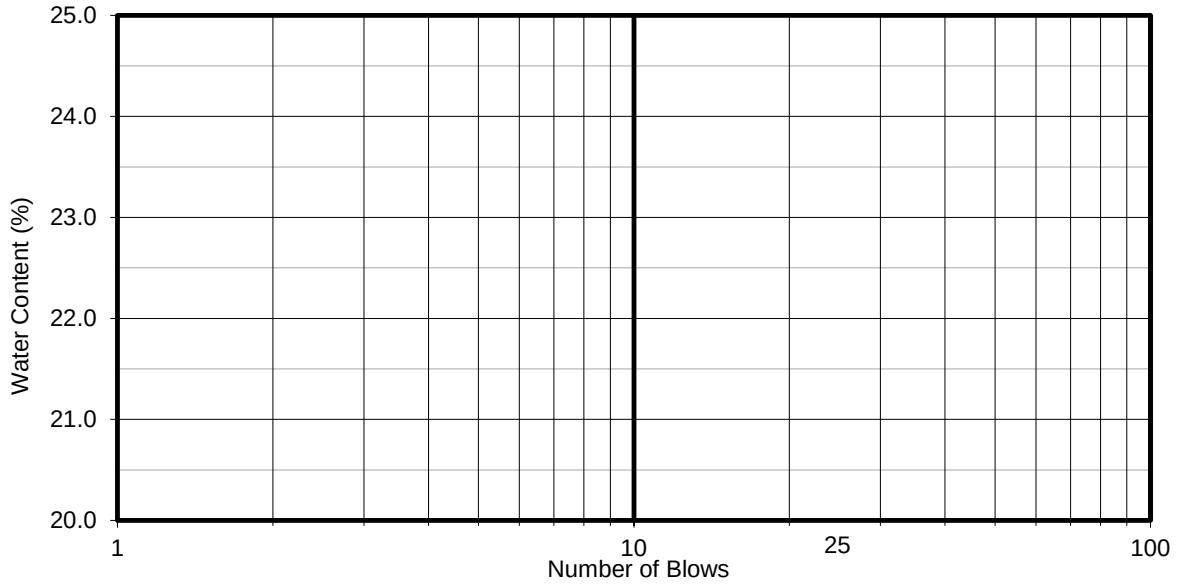
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**18-Jul-22**
Technician:	**HAB**
Lab Number:	**G631**
Borehole:	**SRK21-NWR-BH07**
Sample Number:	**35258**
Depth of Sample:	**24.4m - 24.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						879.00			
MASS DRY SOIL + TARE (g)						805.90			
MASS OF WATER (g)						73.10			
MASS OF CONTAINER (g)						301.60			
MASS OF DRY SOIL (g)						504.30			
WATER CONTENT W (%)						14.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



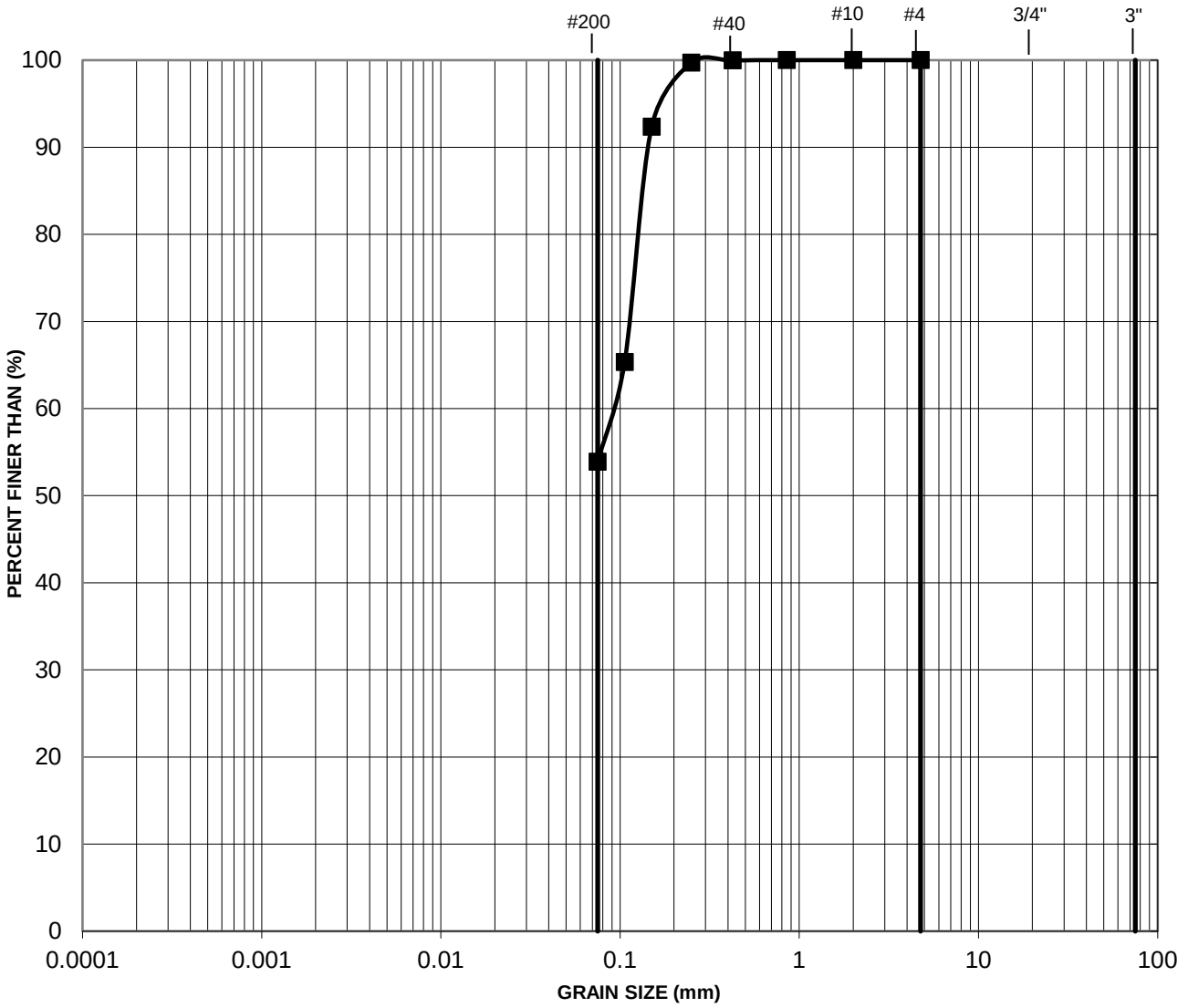
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-NWR-BH07	35261	28.7m - 29m

Project No./Phase/Task: 21504835 ph3000

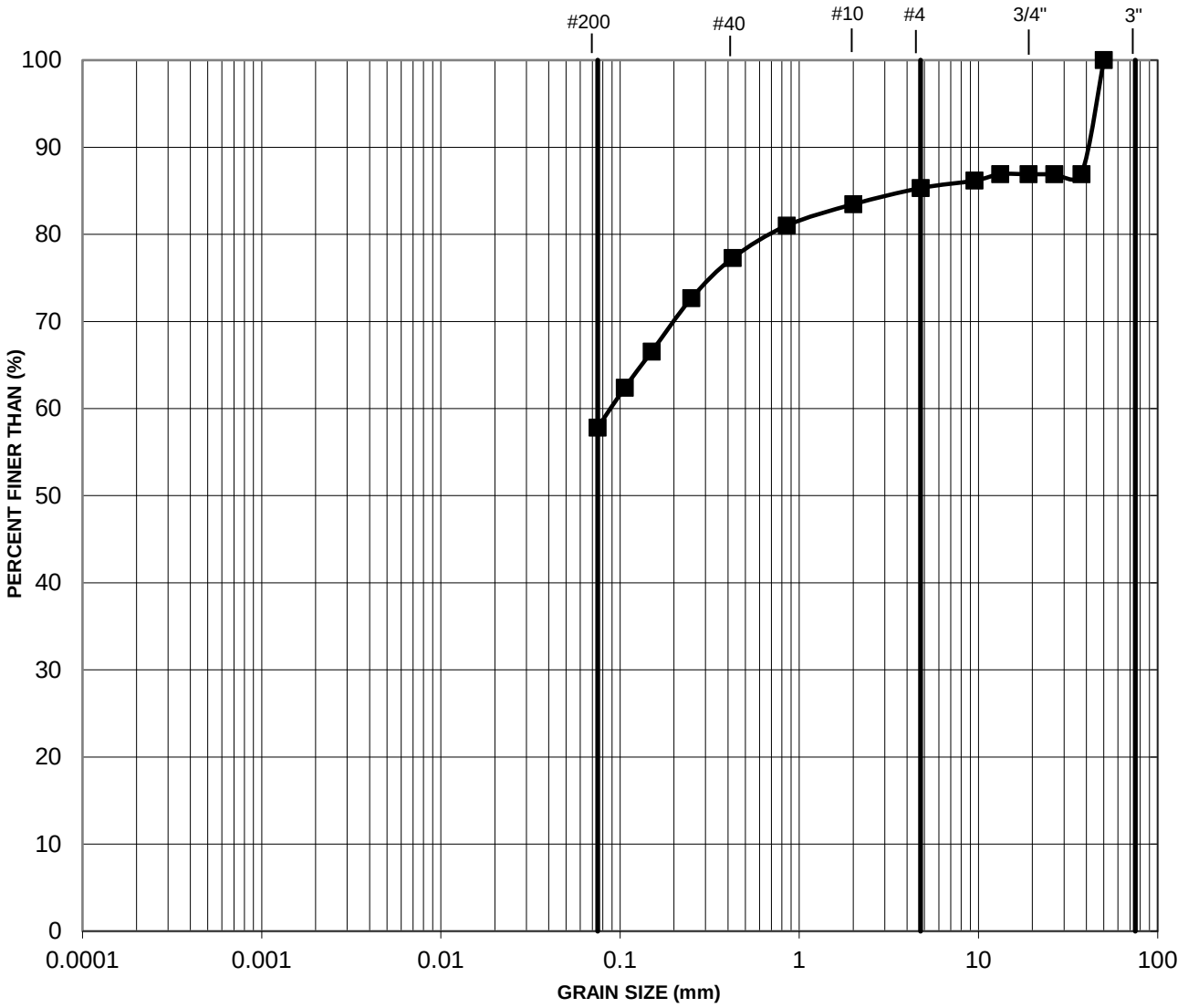
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-NWR-BH07	35263	31.7m - 32m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

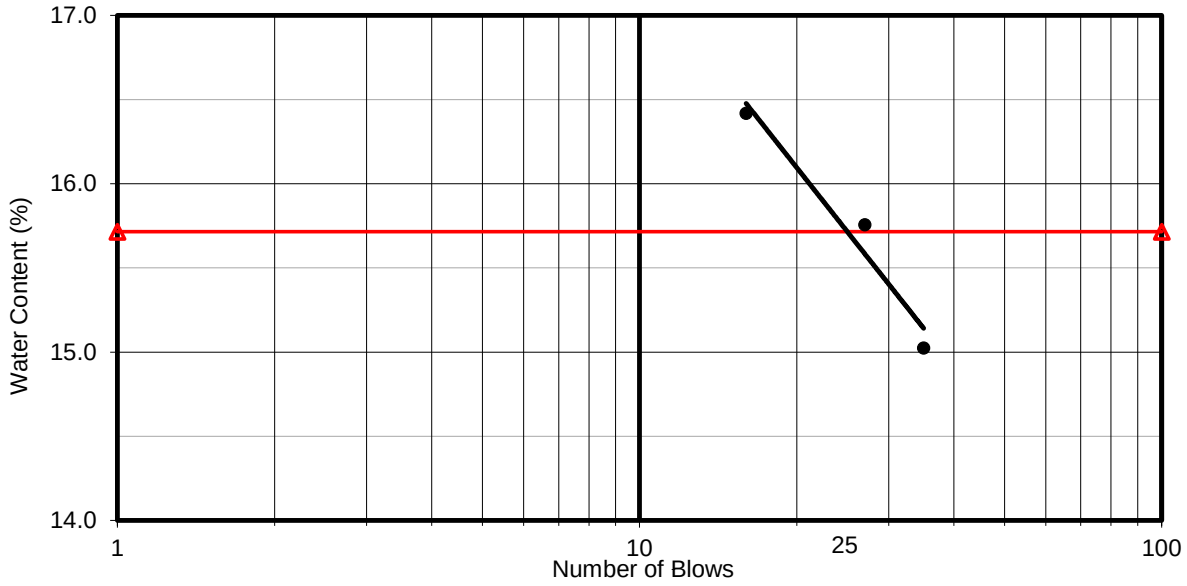
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**13-Jul-22**
Technician:	**HAB**
Lab Number:	**G633**
Borehole:	**SRK21-NWR-BH07**
Sample Number:	**35263**
Depth of Sample:	**31.7m - 32m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	8m	9	R24A			**X**	38	91	
NUMBER OF BLOWS	27	35	16			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.51	20.66	18.95			1447.10	33.15	33.13	
MASS DRY SOIL + TARE (g)	16.98	18.89	17.29			1378.10	31.76	31.78	
MASS OF WATER (g)	1.53	1.77	1.66			69.00	1.39	1.35	
MASS OF CONTAINER (g)	7.27	7.11	7.18			524.60	21.46	21.59	
MASS OF DRY SOIL (g)	9.71	11.78	10.11			853.50	10.30	10.19	
WATER CONTENT W (%)	15.8	15.0	16.4			8.1	13.5	13.2	

LIQUID LIMIT (%)	**15.7**
PLASTIC LIMIT (%)	**13.4**
PLASTICITY INDEX (%)	**2.3**
W NATURAL (%)	**8.1**
LIQUIDITY INDEX	**-2.26**



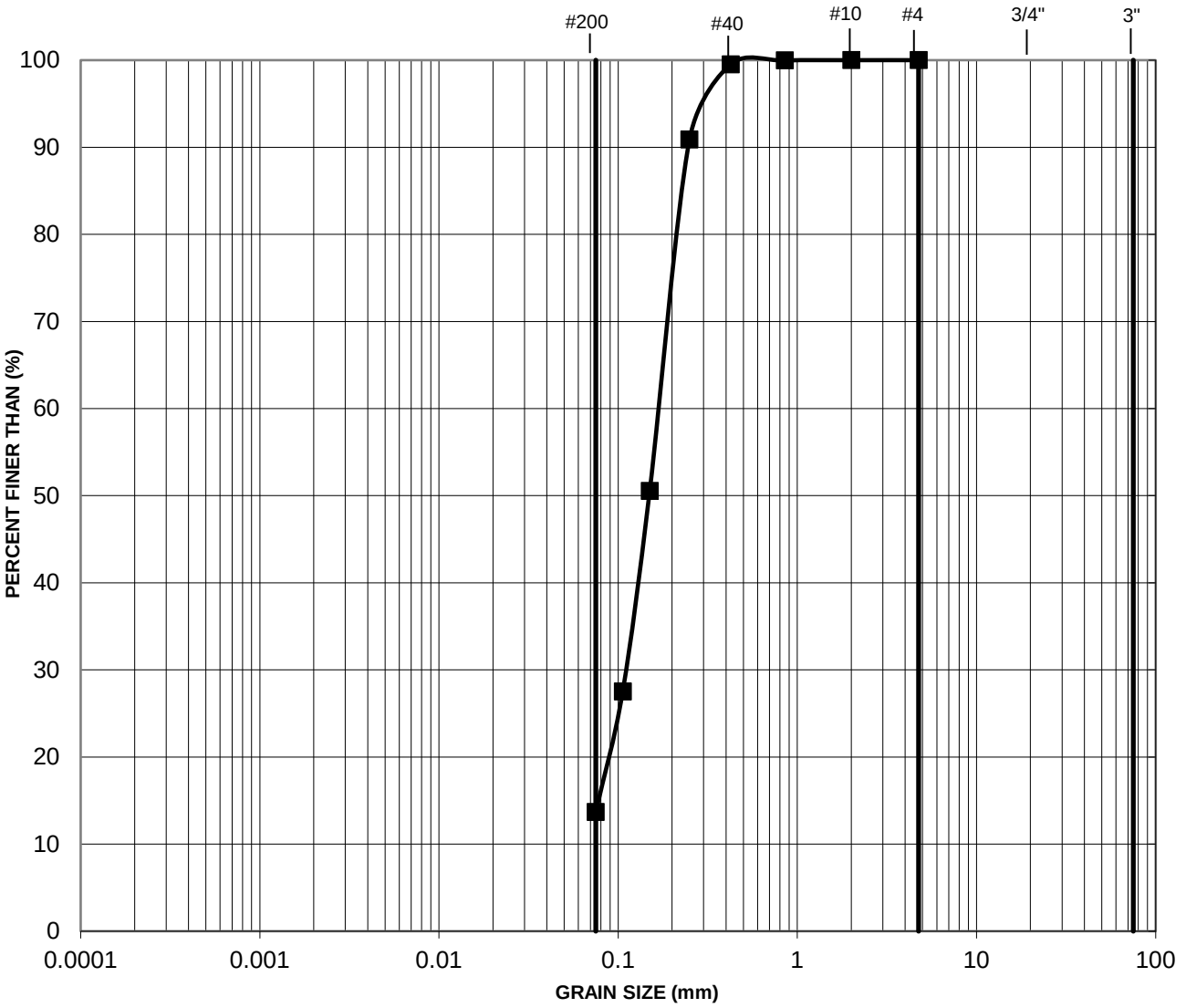
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH02	58381	9.1m - 9.4m

Project No./Phase/Task: 21504835 ph3000

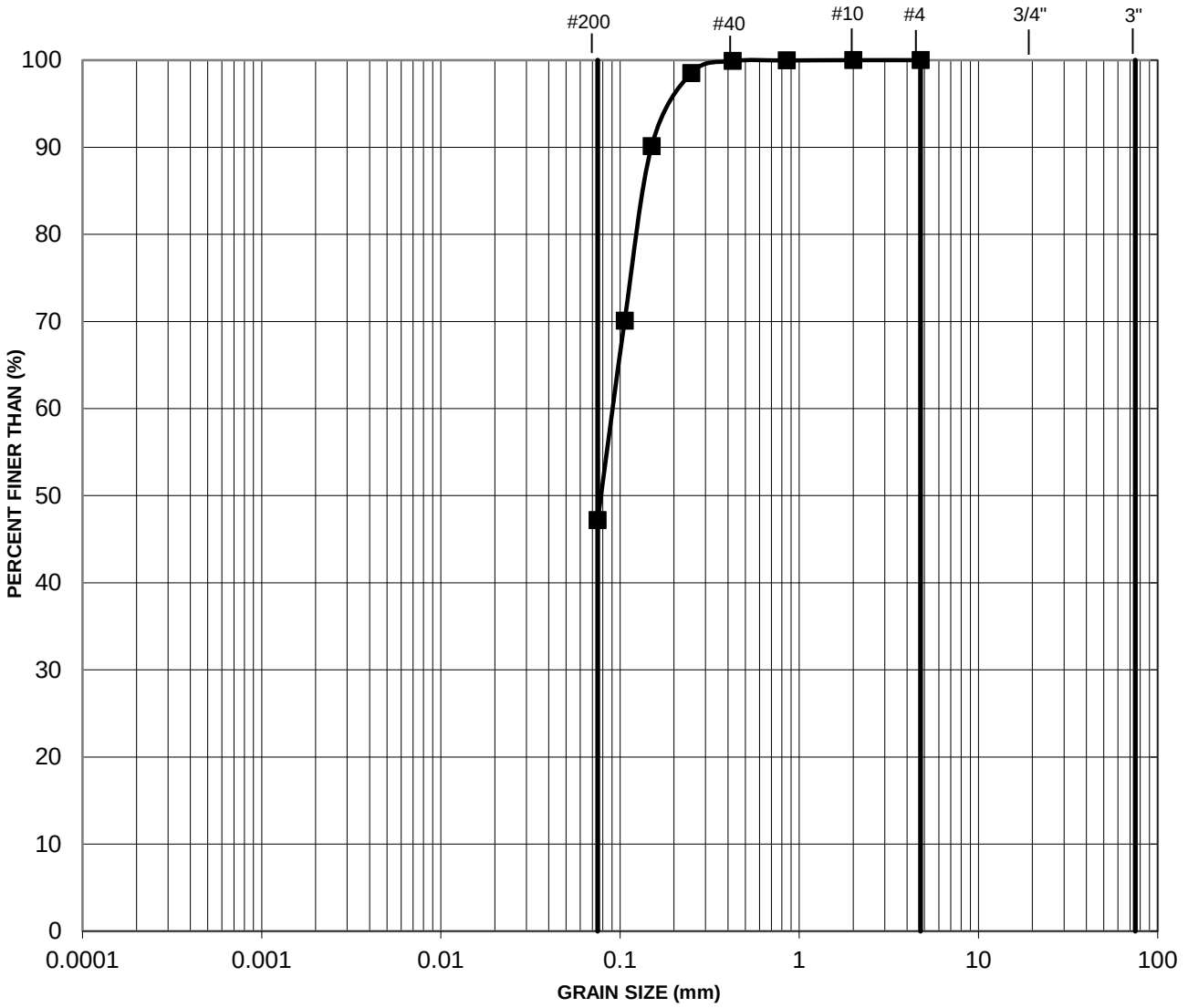
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH02	58382	11m - 11.3m

Project No./Phase/Task: 21504835 ph3000

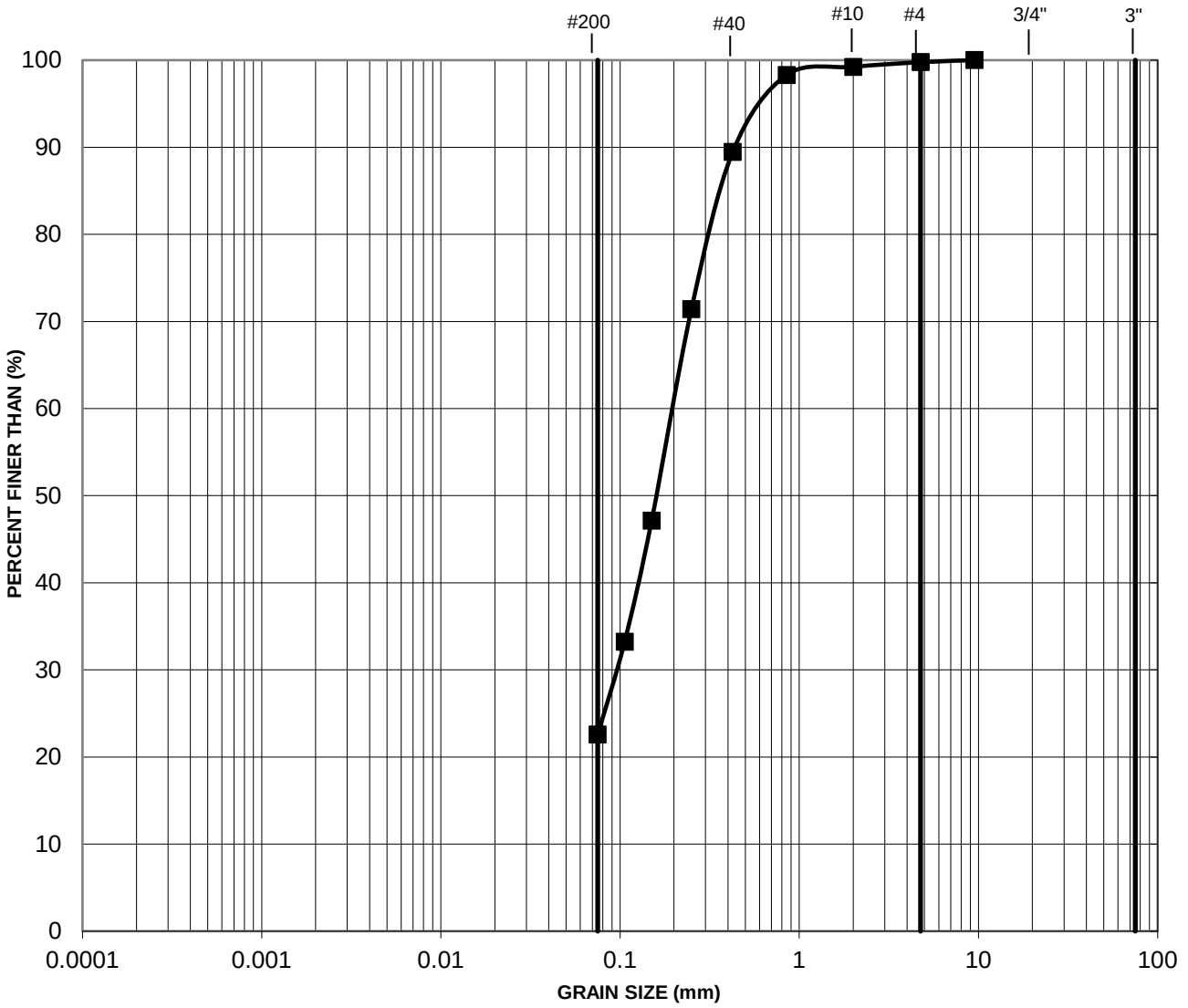
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167840	10.1m - 10.4m

Project No./Phase/Task: 21504835 ph3000

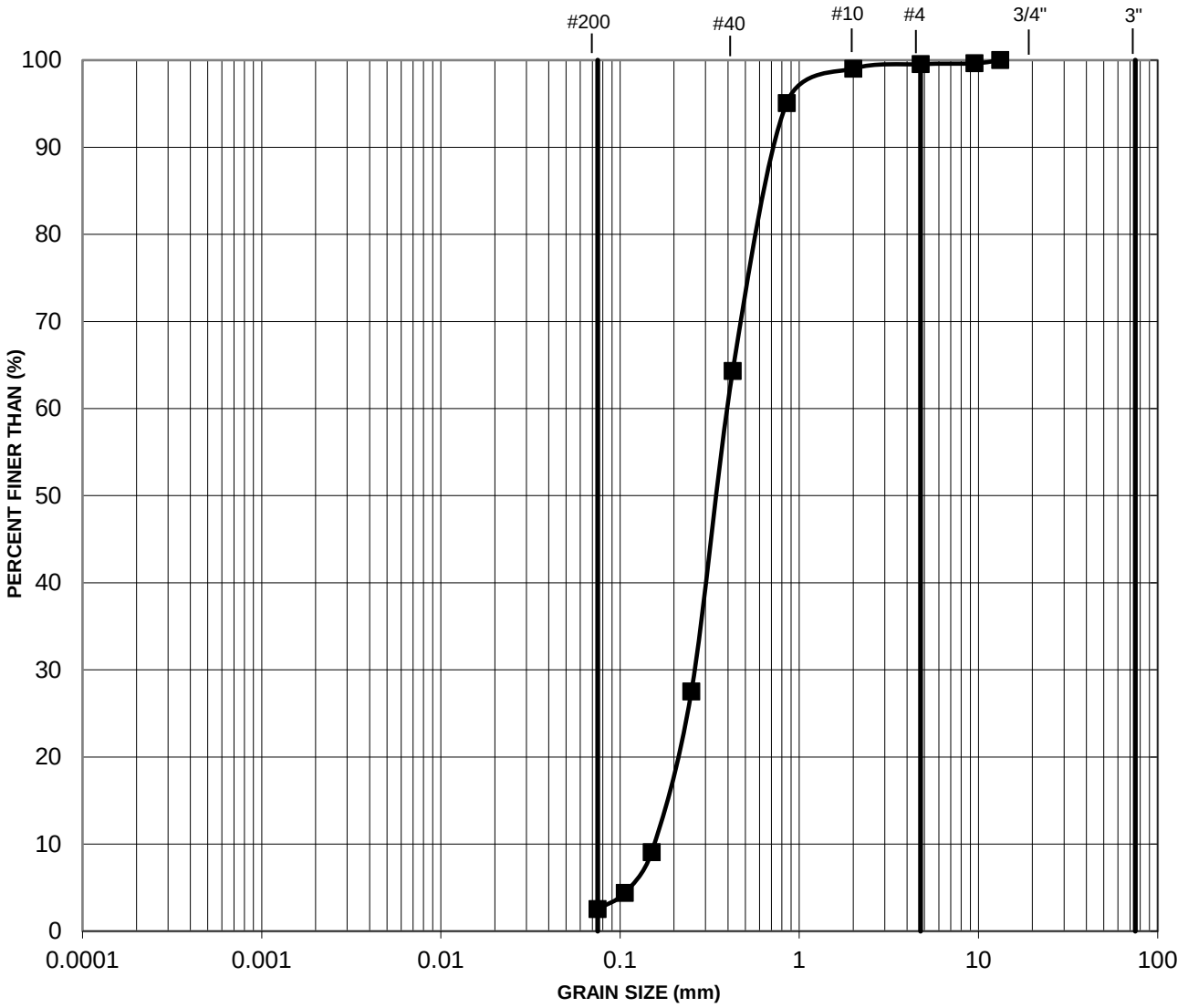
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167841	13.1m - 13.4m

Project No./Phase/Task: 21504835 ph3000

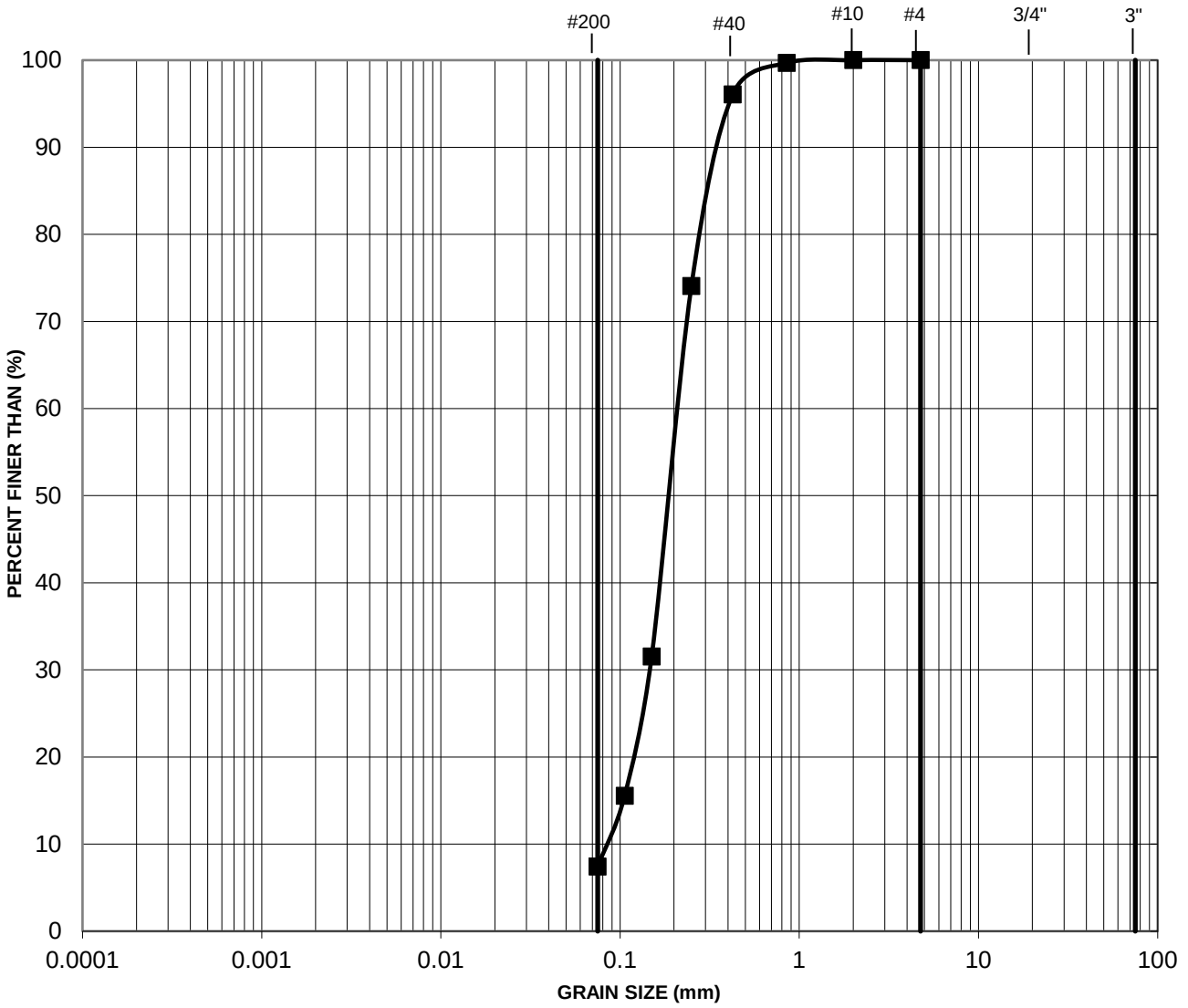
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167843	16.2m - 16.5m

Project No./Phase/Task: 21504835 ph3000

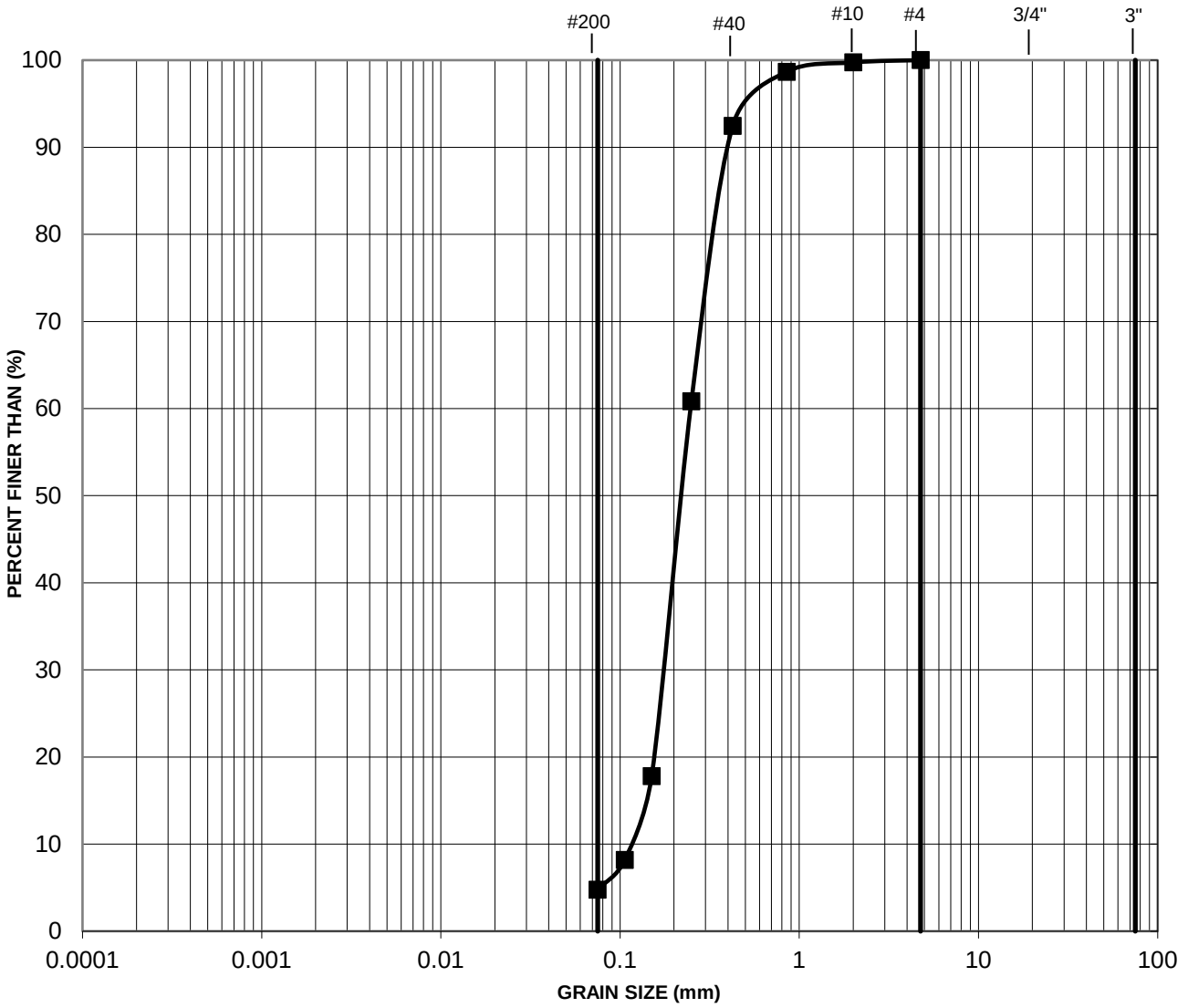
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167848	25.3m - 25.6m

Project No./Phase/Task: 21504835 ph3000

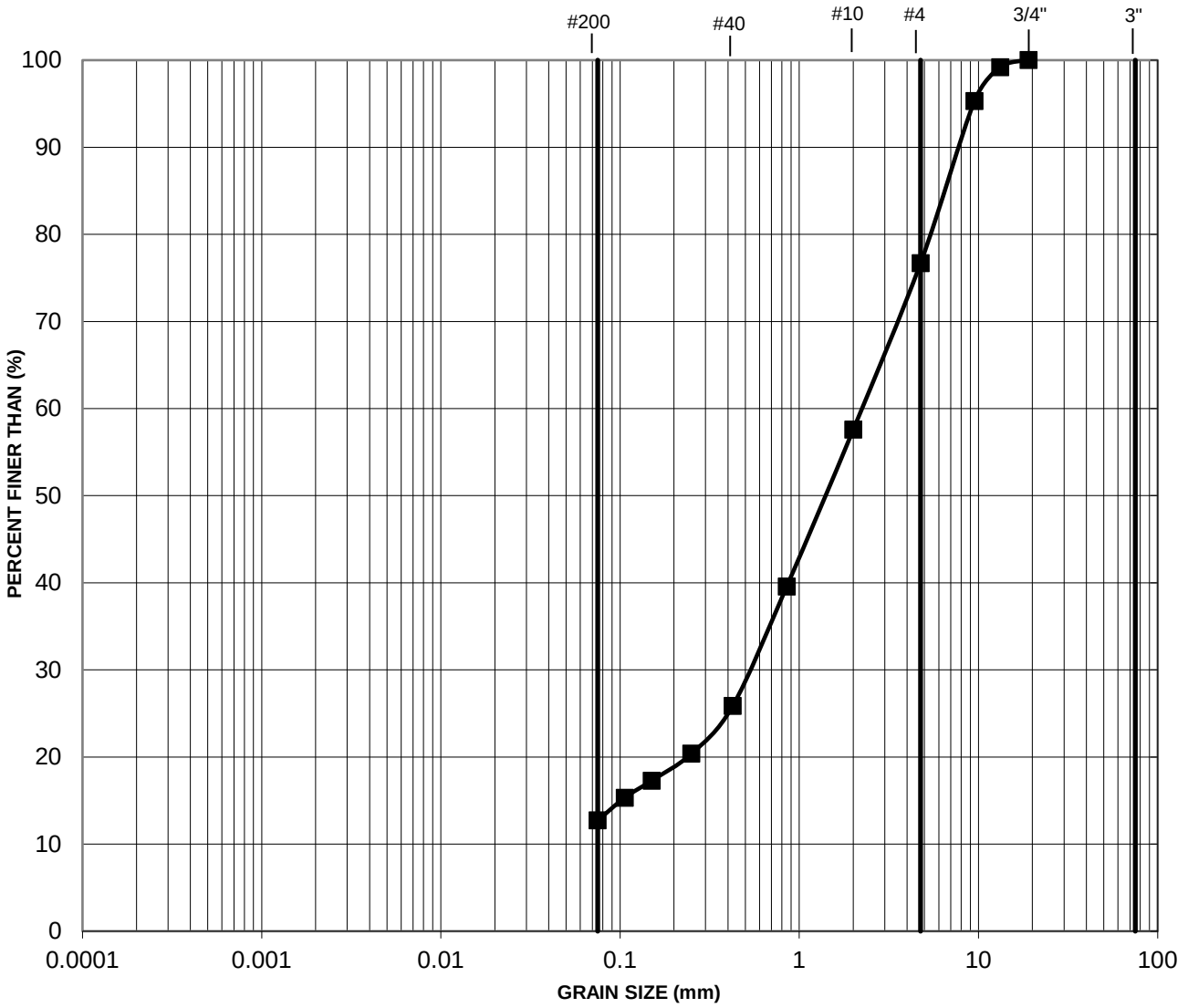
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167849	27.4m - 27.7m

Project No./Phase/Task: 21504835 ph3000

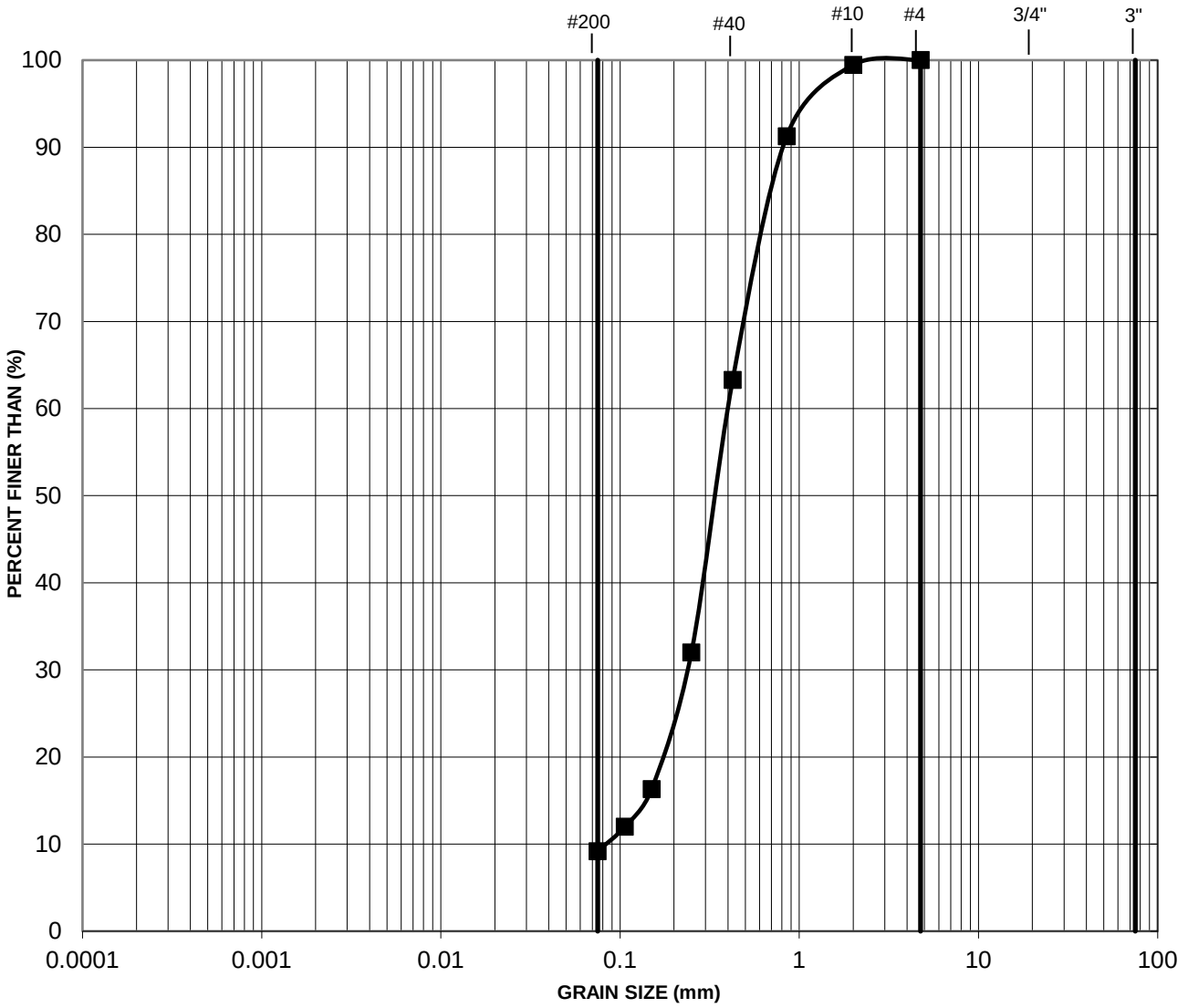
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167952	34.4m - 34.7m

Project No./Phase/Task: 21504835 ph3000

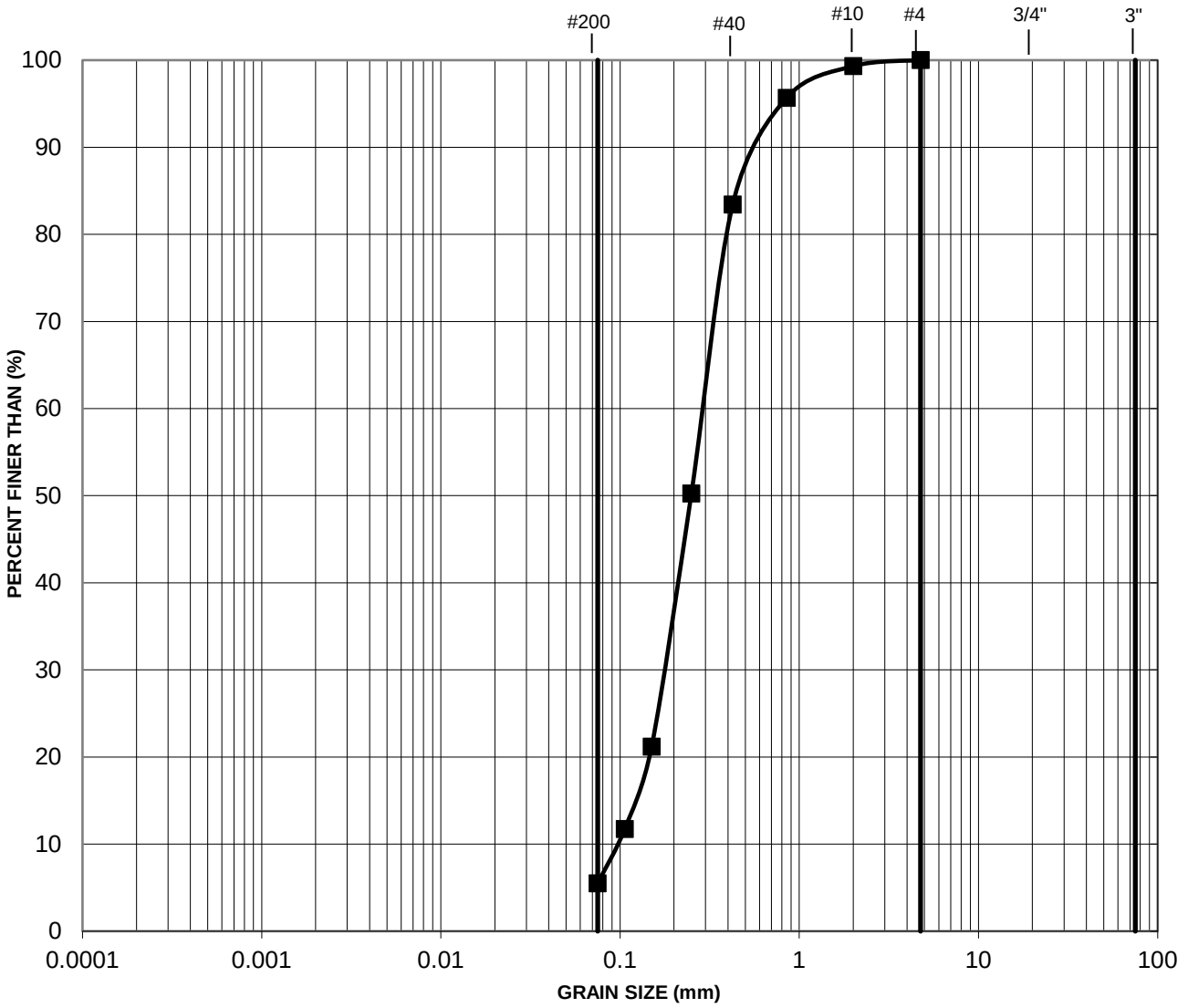
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK21-PF-BH04	167953	37.5m - 37.8m

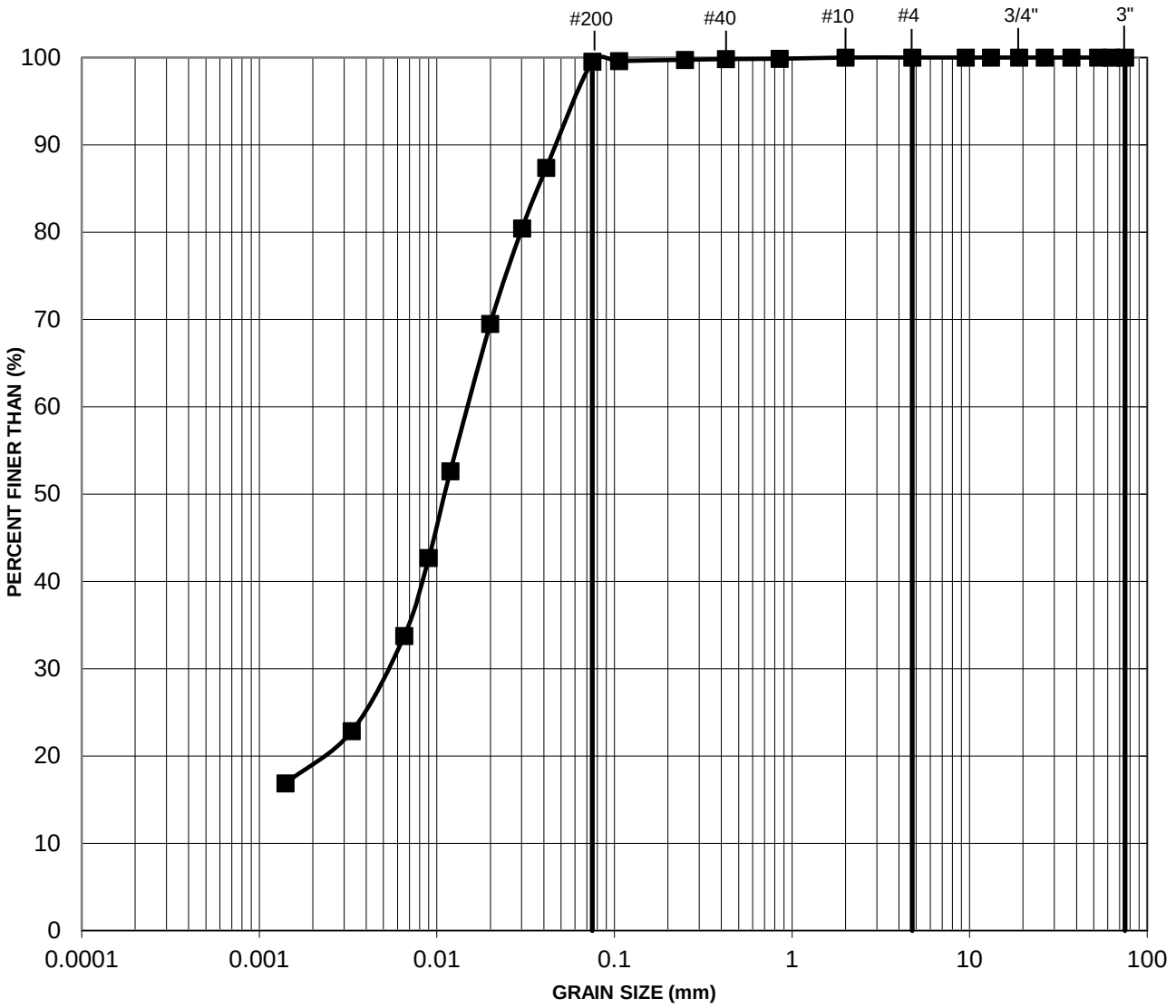
Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

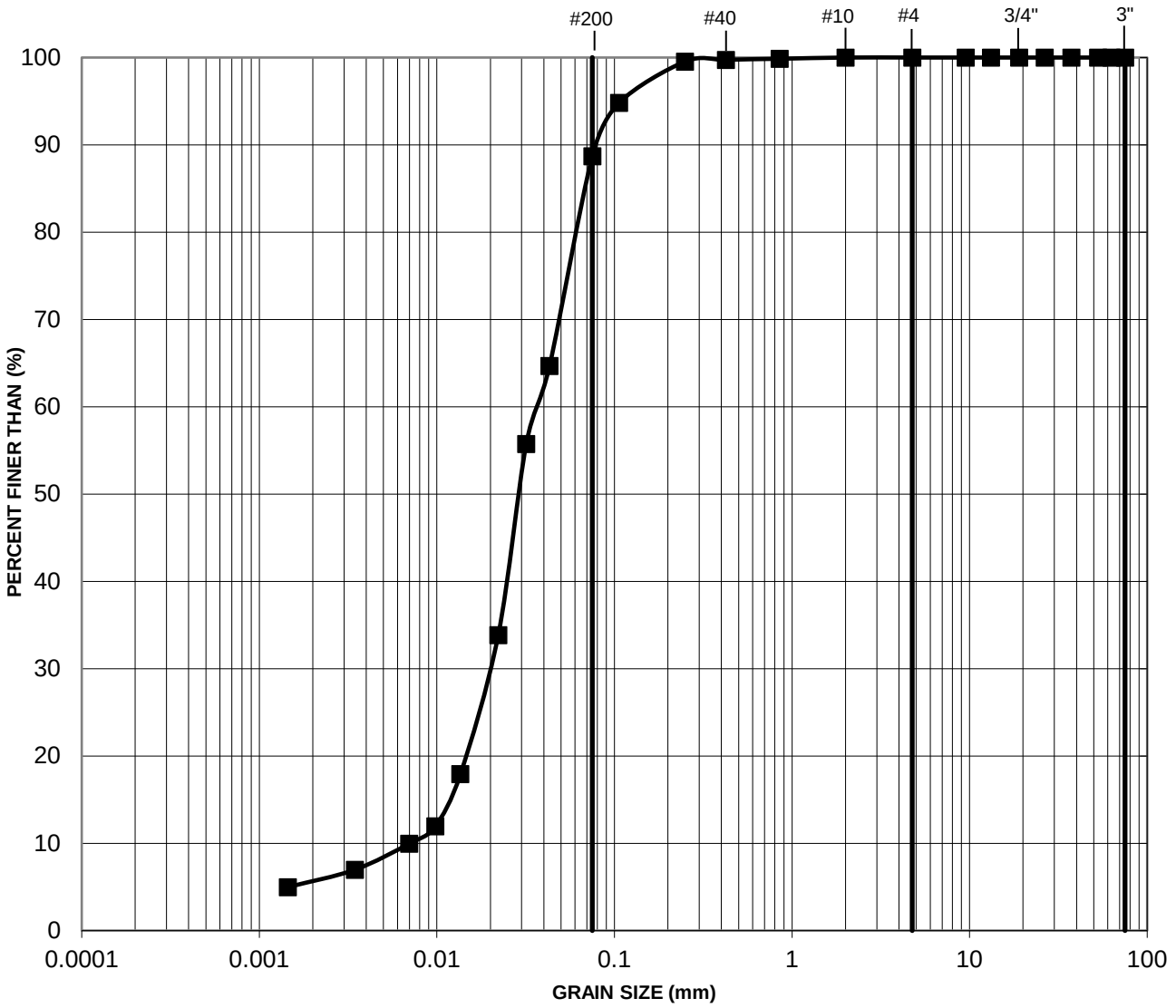
BH / Location	Sample	Depth
SRK22-PF-BH03	167296	22.6m - 22.9m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-PF-BH03	167297	32.6m - 32.9m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

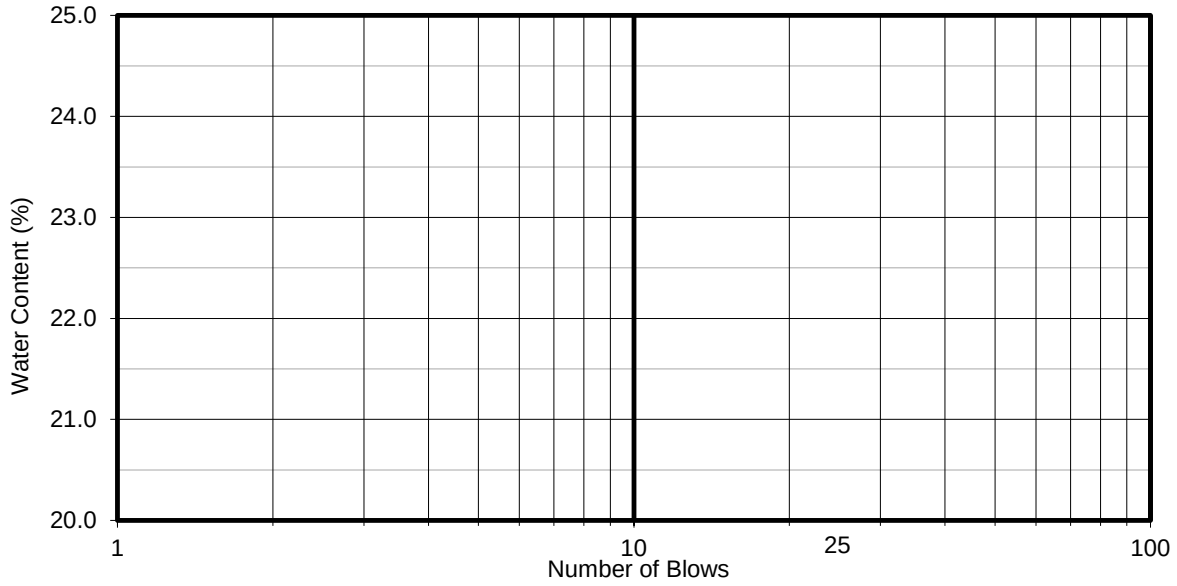
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**12-Jul-22**
Technician:	**HAB**
Lab Number:	**G644**
Borehole:	**SRK22-PF-BH03**
Sample Number:	**167297**
Depth of Sample:	**32.6m - 32.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						742.97			
MASS DRY SOIL + TARE (g)						665.25			
MASS OF WATER (g)						77.72			
MASS OF CONTAINER (g)						241.47			
MASS OF DRY SOIL (g)						423.78			
WATER CONTENT W (%)						18.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

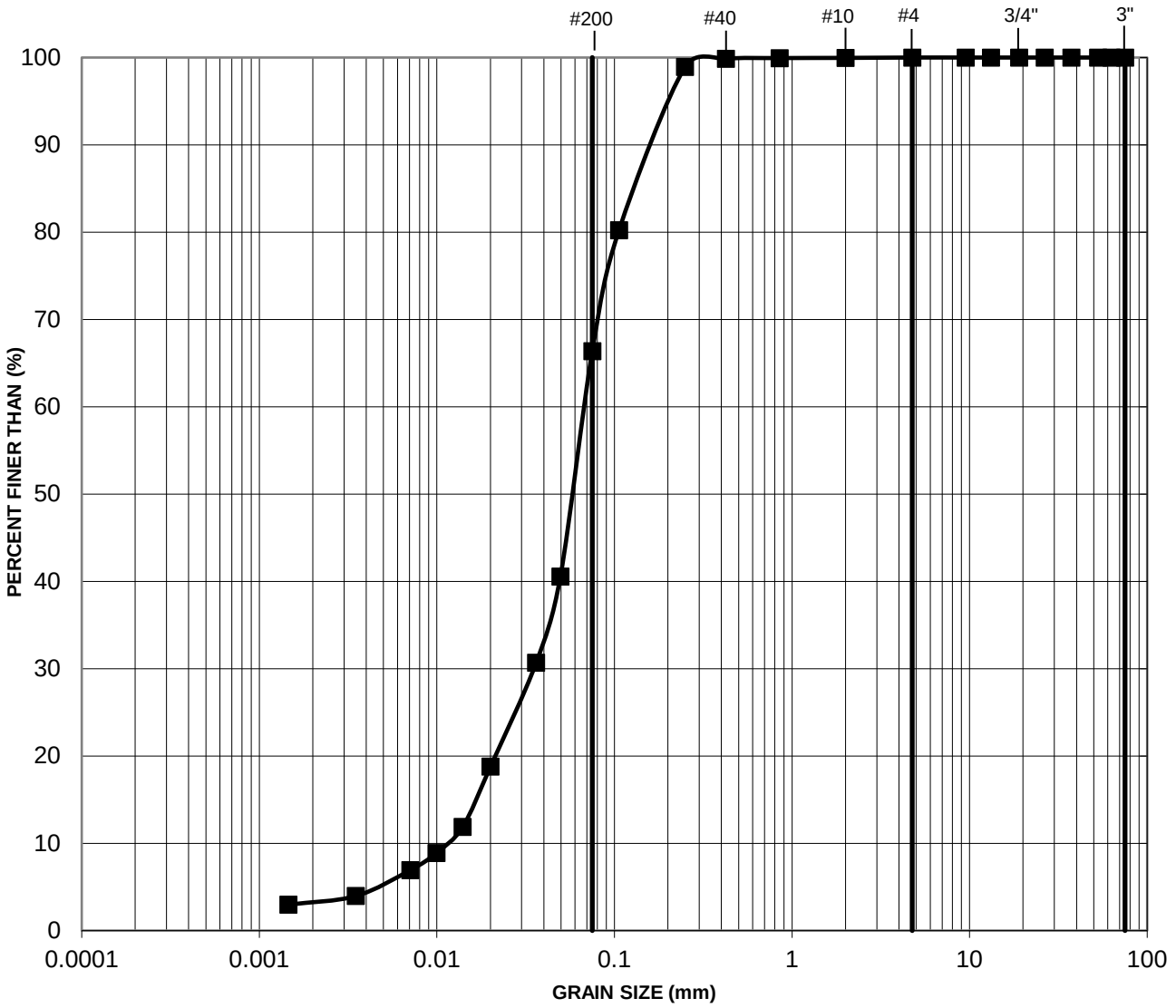


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

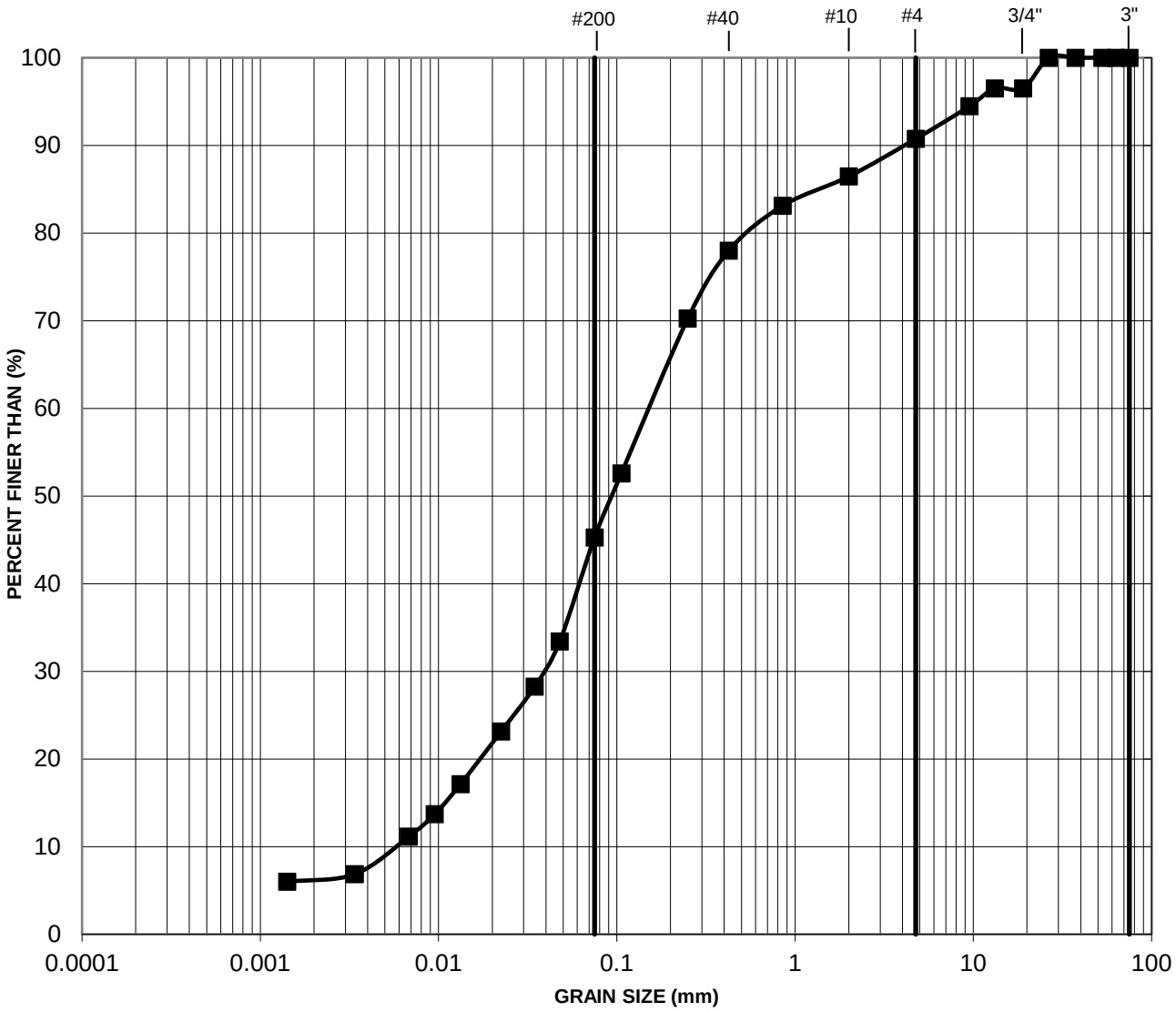
BH / Location	Sample	Depth
SRK22-PF-BH03	167298	33.8m - 34.1m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

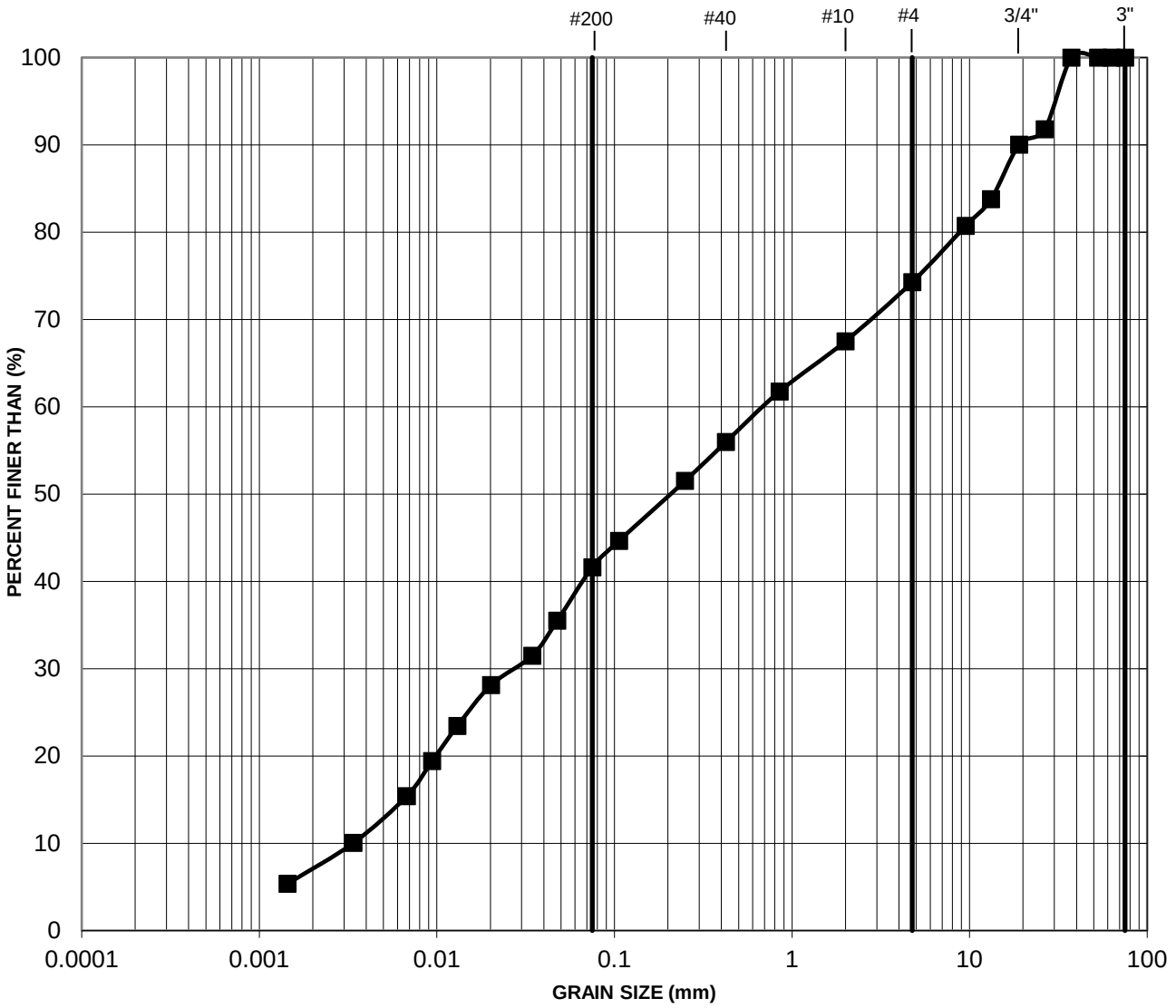
BH / Location	Sample	Depth
SRK22-PF-BH03	167300	39.6m - 39.9m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-PF-BH03	168201	41.5m - 41.8m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

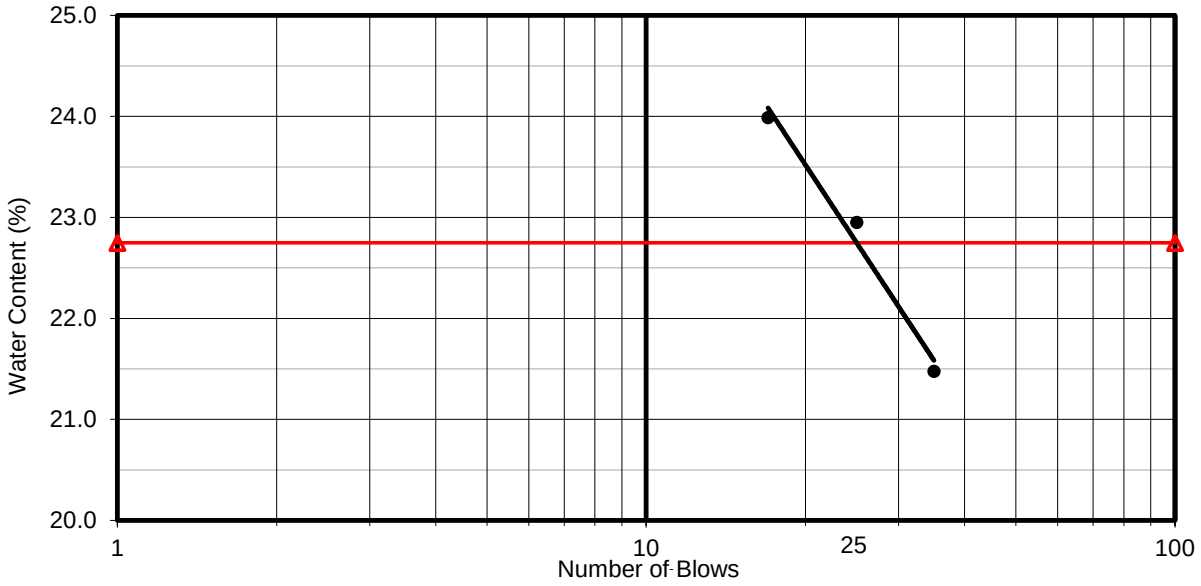
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**13-Jul-22**
Technician:	**HAB**
Lab Number:	**G647**
Borehole:	**SRK22-PF-BH03**
Sample Number:	**168201**
Depth of Sample:	**41.5m - 41.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	45	85	402			**X**	R1	R22	
NUMBER OF BLOWS	17	25	35			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	23.73	23.12	22.08			1059.40	26.09	26.62	
MASS DRY SOIL + TARE (g)	21.30	20.85	20.13			1013.30	24.22	24.78	
MASS OF WATER (g)	2.43	2.27	1.95			46.10	1.87	1.84	
MASS OF CONTAINER (g)	11.17	10.96	11.05			512.96	13.85	14.41	
MASS OF DRY SOIL (g)	10.13	9.89	9.08			500.34	10.37	10.37	
WATER CONTENT W (%)	24.0	23.0	21.5			9.2	18.0	17.7	

LIQUID LIMIT (%)	**22.7**
PLASTIC LIMIT (%)	**17.9**
PLASTICITY INDEX (%)	**4.9**
W NATURAL (%)	**9.2**
LIQUIDITY INDEX	**-1.78**



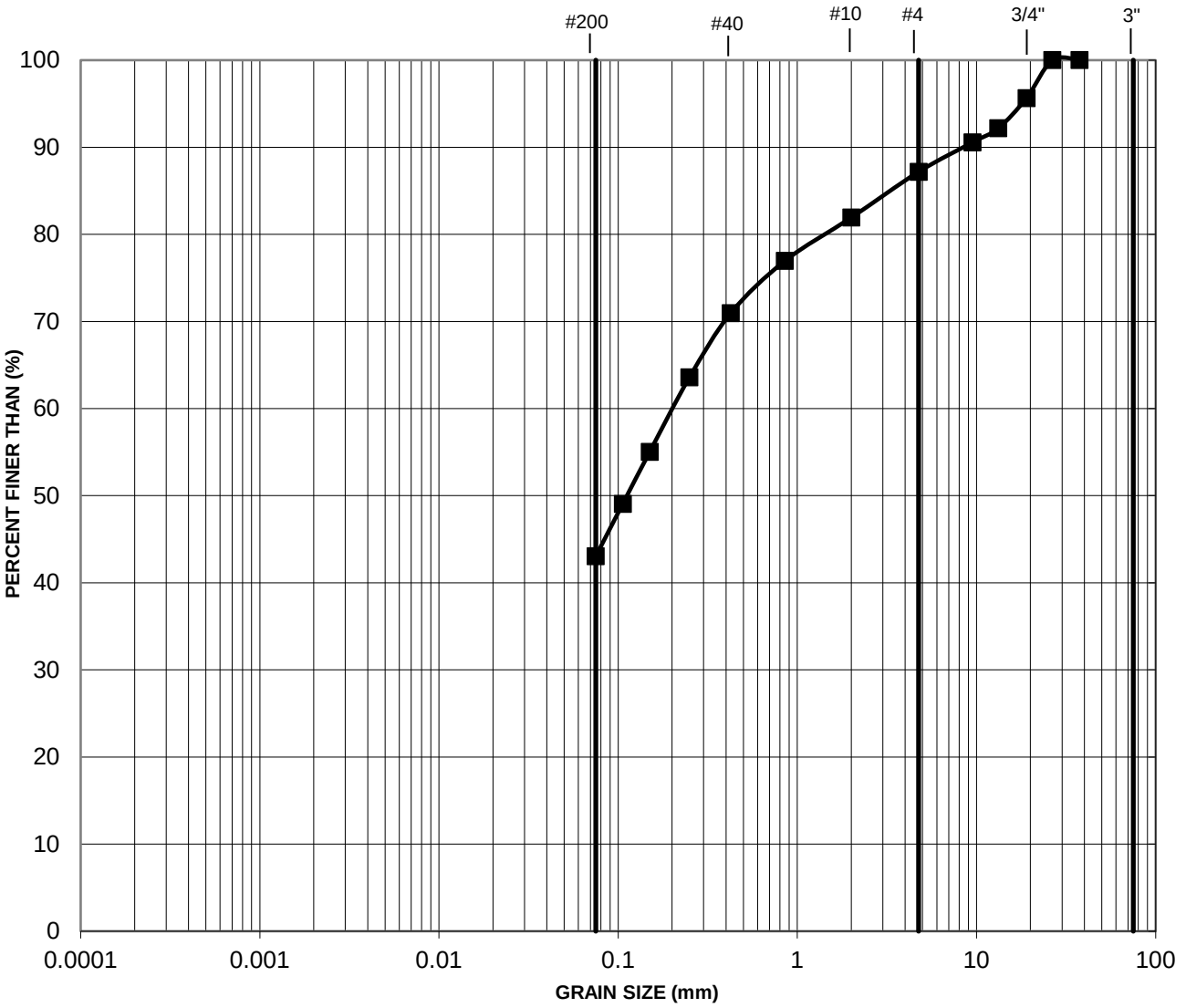
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-SOS-BH-02	167078	41.5m - 41.8m

Project No./Phase/Task: 21504835 ph3000

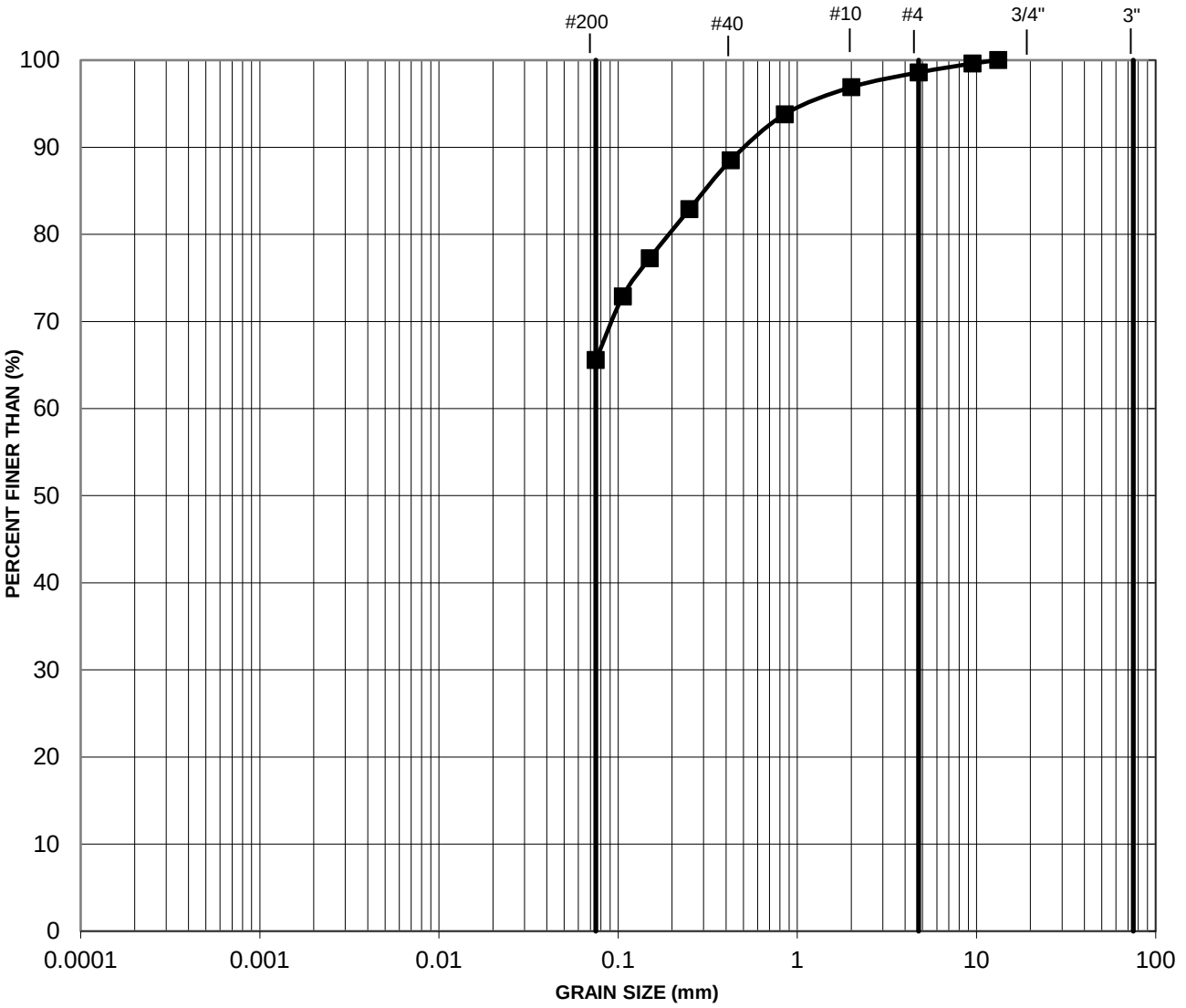
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-SOS-BH-02	167080	46m - 46.3m

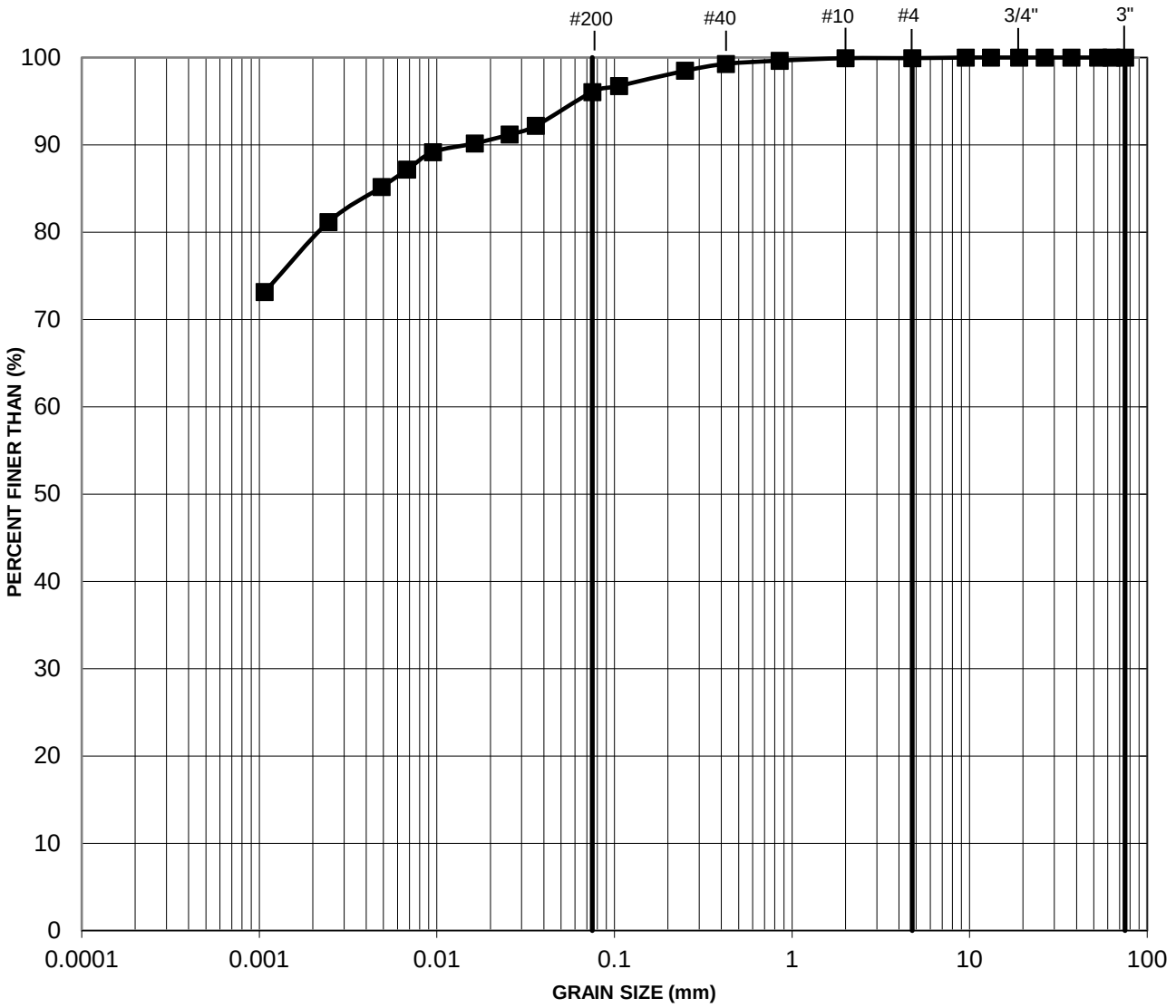
Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-WRD-BH16	167980	10.7m - 11m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

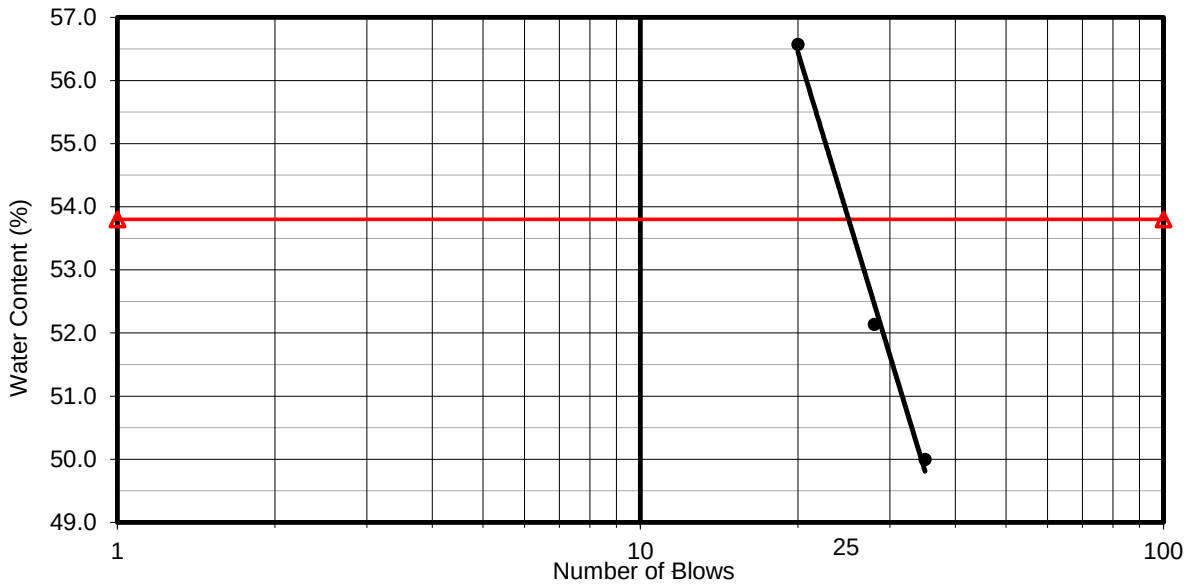
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**12-Jul-22**
Technician:	**HAB**
Lab Number:	**G650**
Borehole:	**SRK21-WRD-BH16**
Sample Number:	**167980**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	10	34	49			**X**	MR04	R23	
NUMBER OF BLOWS	35	28	20			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	22.16	22.70	22.88			1416.13	25.11	25.28	
MASS DRY SOIL + TARE (g)	18.41	18.68	18.62			1278.75	23.06	23.17	
MASS OF WATER (g)	3.75	4.02	4.26			137.38	2.05	2.11	
MASS OF CONTAINER (g)	10.91	10.97	11.09			383.71	14.05	14.15	
MASS OF DRY SOIL (g)	7.50	7.71	7.53			895.04	9.01	9.02	
WATER CONTENT W (%)	50.0	52.1	56.6			15.3	22.8	23.4	

LIQUID LIMIT (%)	**53.8**
PLASTIC LIMIT (%)	**23.1**
PLASTICITY INDEX (%)	**30.7**
W NATURAL (%)	**15.3**
LIQUIDITY INDEX	**-0.25**

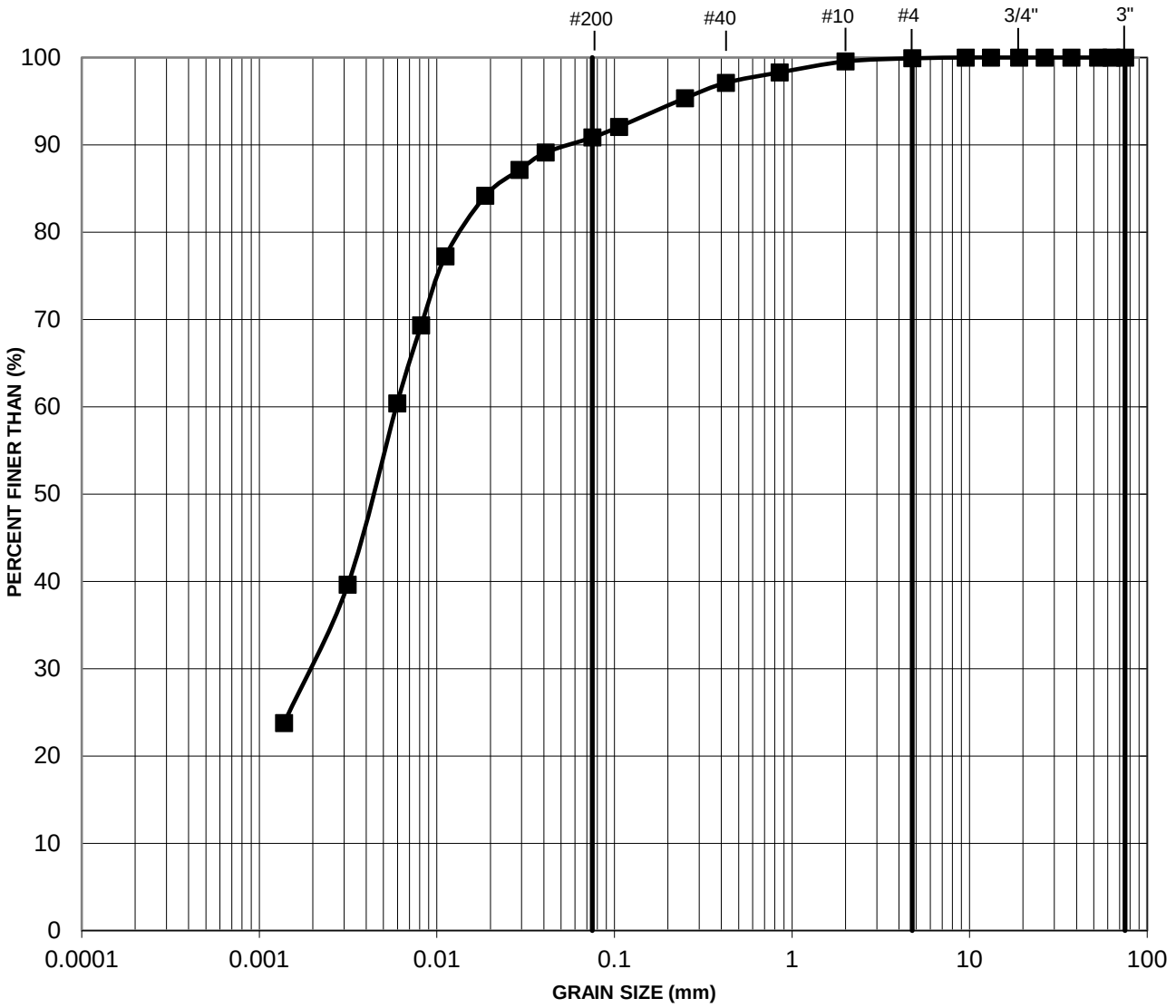


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-WRD-BH16	167985	17.7m - 18m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

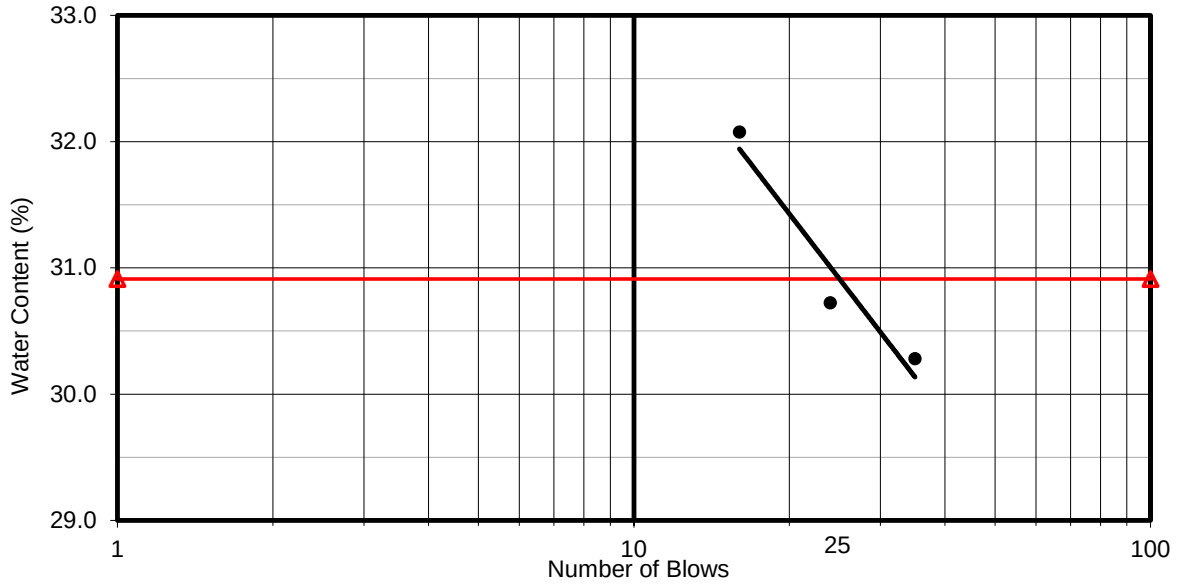
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**13-Jul-22**
Technician:	**HAB**
Lab Number:	**G651**
Borehole:	**SRK21-WRD-BH16**
Sample Number:	**167985**
Depth of Sample:	**17.7m - 18m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	19	41	403			**X**	U	4m	
NUMBER OF BLOWS	35	16	24			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	23.51	23.28	22.51			600.18	26.02	25.62	
MASS DRY SOIL + TARE (g)	20.60	20.30	19.80			537.49	24.12	23.73	
MASS OF WATER (g)	2.91	2.98	2.71			62.69	1.90	1.89	
MASS OF CONTAINER (g)	10.99	11.01	10.98			314.02	14.10	13.71	
MASS OF DRY SOIL (g)	9.61	9.29	8.82			223.47	10.02	10.02	
WATER CONTENT W (%)	30.3	32.1	30.7			28.1	19.0	18.9	

LIQUID LIMIT (%)	**30.9**
PLASTIC LIMIT (%)	**18.9**
PLASTICITY INDEX (%)	**12.0**
W NATURAL (%)	**28.1**
LIQUIDITY INDEX	**0.76**



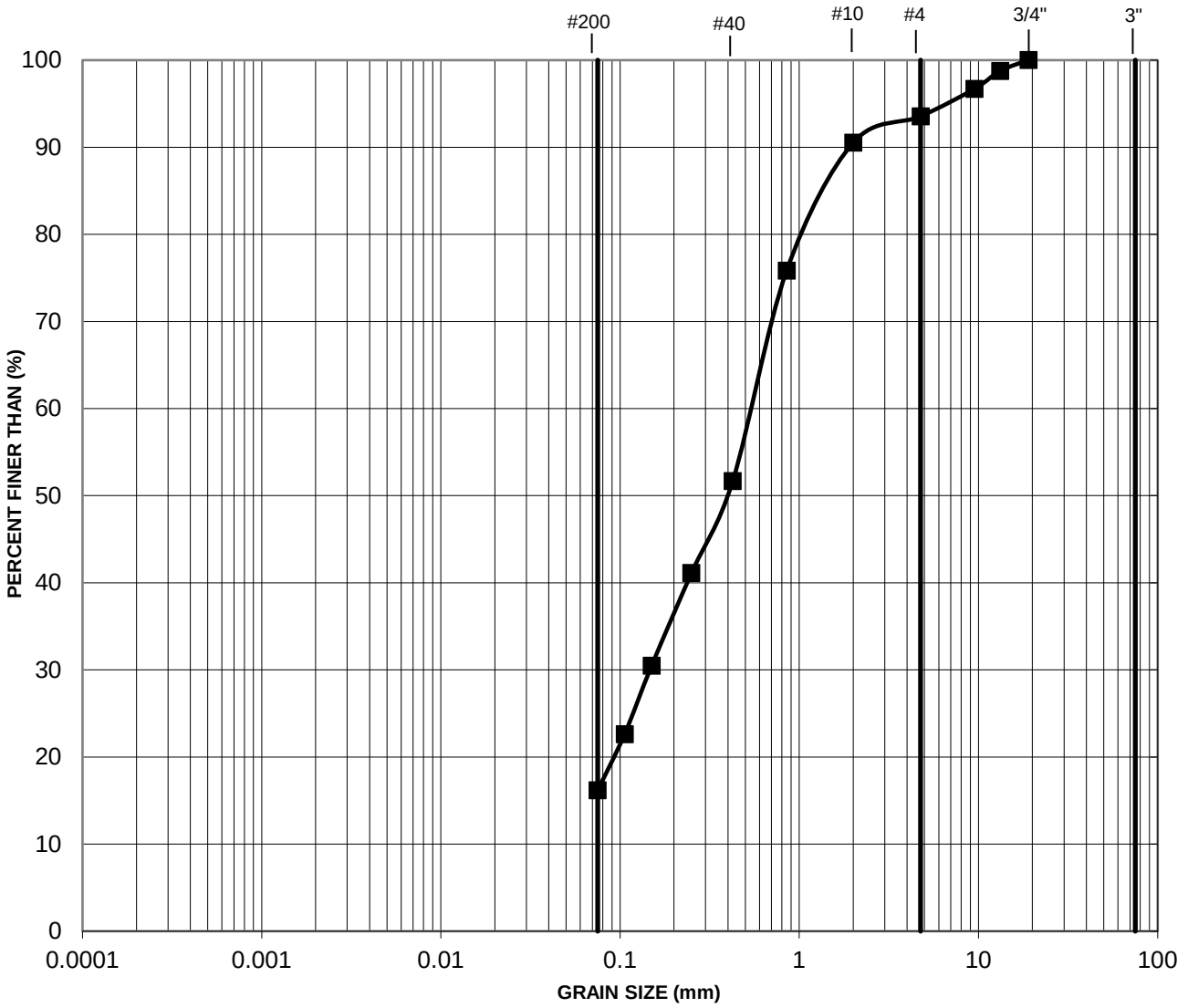
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-WOS-BH-01	167395	21.9m - 22.3m

Project No./Phase/Task: 21504835 ph3000

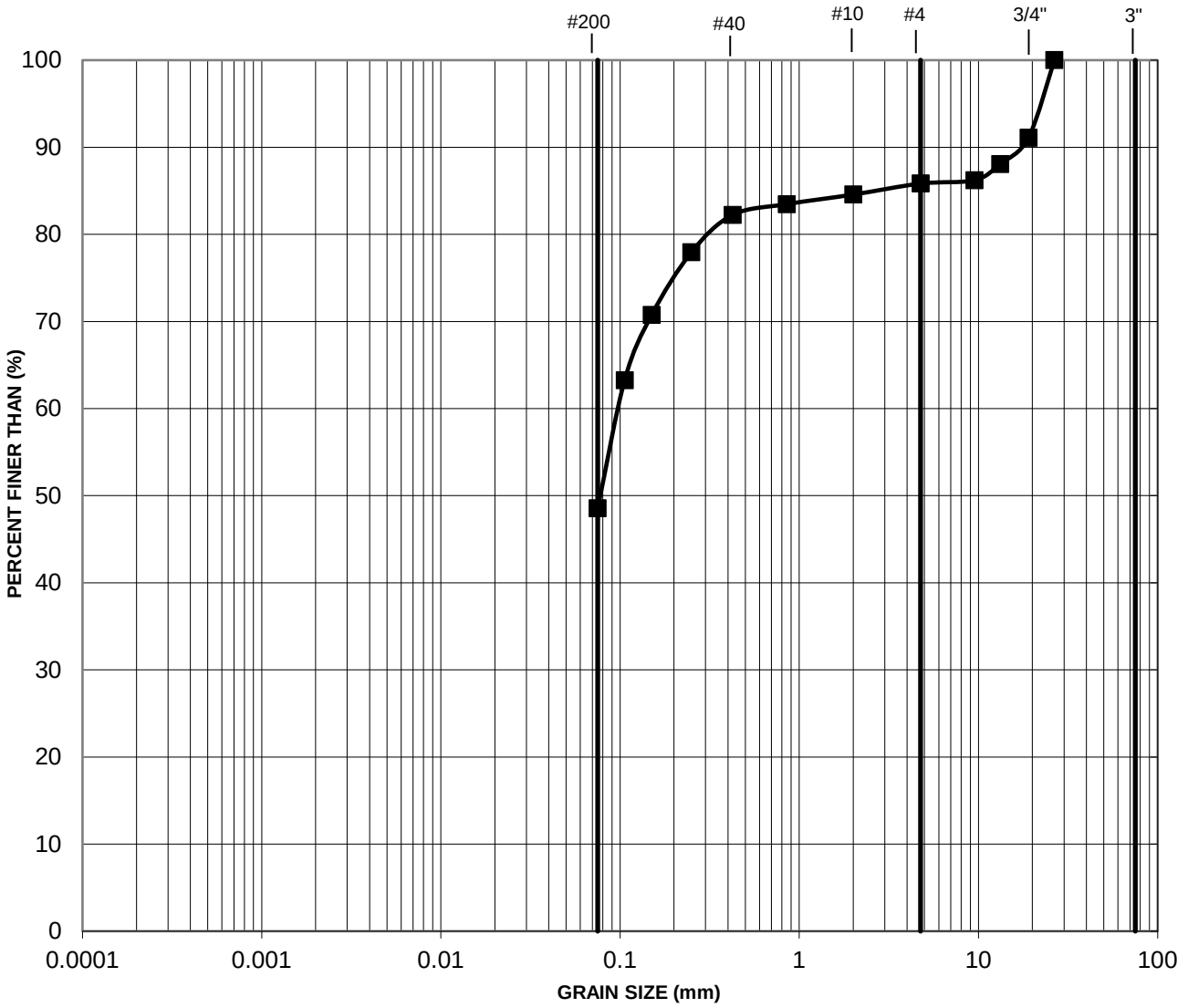
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-WOS-BH-01	167397	26.8m - 27.4m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

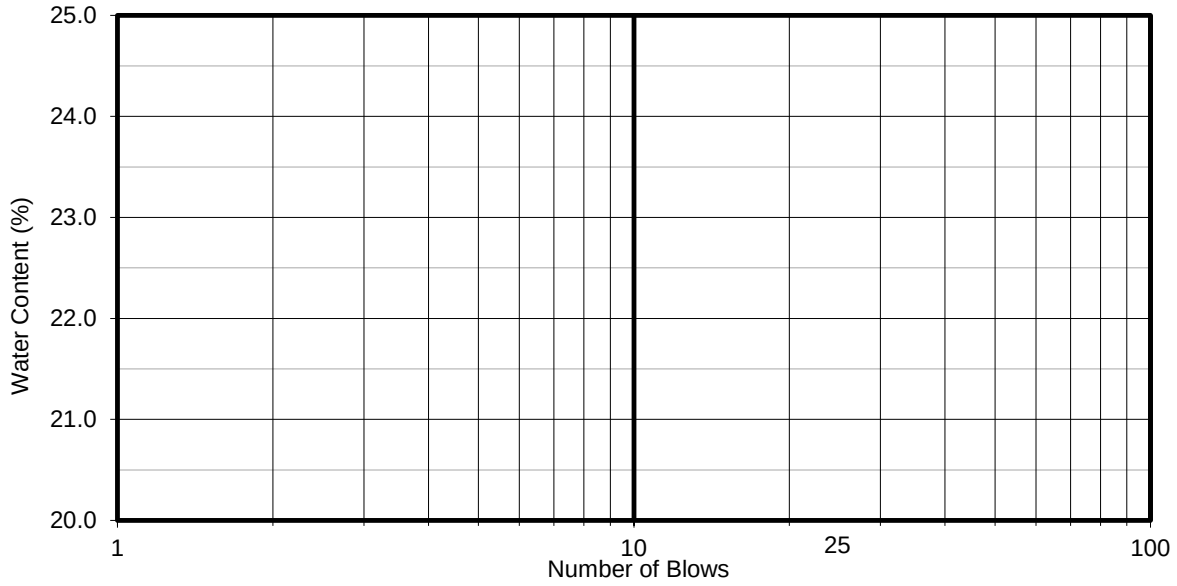
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**13-Jul-22**
Technician:	**HAB**
Lab Number:	**G653**
Borehole:	**SRK22-WOS-BH-01**
Sample Number:	**167397**
Depth of Sample:	**26.8m - 27.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						806.84			
MASS DRY SOIL + TARE (g)						742.27			
MASS OF WATER (g)						64.57			
MASS OF CONTAINER (g)						304.57			
MASS OF DRY SOIL (g)						437.70			
WATER CONTENT W (%)						14.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



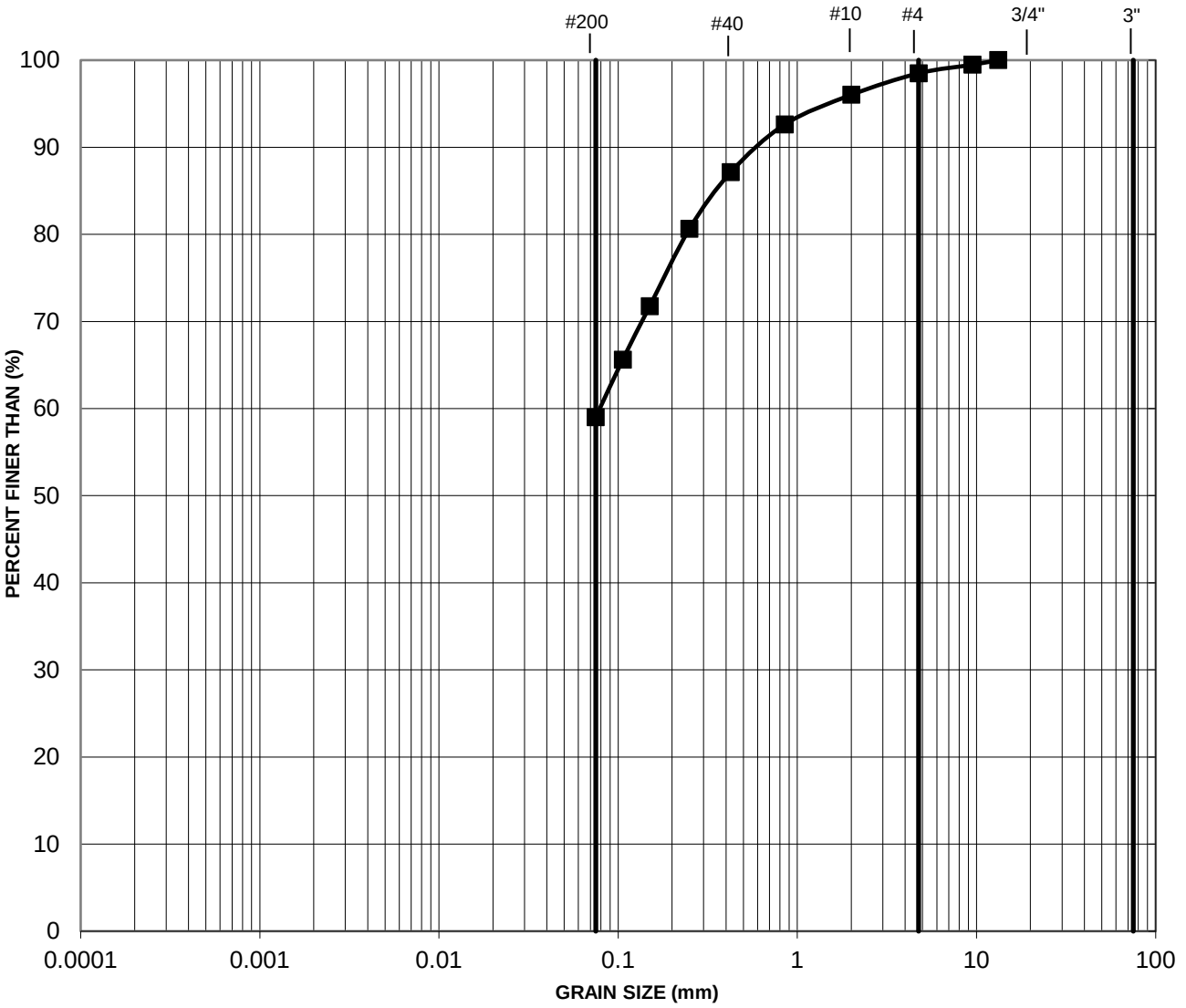
SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION

FIGURE



BH / Location	Sample	Depth
SRK22-WOS-BH-01	167398	29.6m - 29.9m

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.85	33.48	33.54
m_s) Mass of Dry Soil + Pycnometer (g)	52.90	53.49	53.61
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.05	20.01	20.07
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.25	95.80	95.95
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.670	2.655	2.669
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.669	2.654	2.668
G_{avg}) Average Specific Gravity at 20 °C	2.664		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 19, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-LG-BH04
		Sample #:	167508
Lab Number	G622	Depth (m)	14.0-14.3
Tested By	JM/HAB	Date Reported	July 20, 2022
Input by:	HAB	Checked By	TG

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.56	32.17	31.18
m_s) Mass of Dry Soil + Pycnometer (g)	53.60	52.19	51.20
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.04	20.02	20.02
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.87	94.53	93.62
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.661	2.662	2.663
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.660	2.661	2.662
G_{avg}) Average Specific Gravity at 20 °C	2.661		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 19, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-NWR-BH07
		Sample #:	35258
Lab Number	G631	Depth (m)	24.4-24.7
Tested By	JM/HAB	Date Reported	July 20, 2022
Input by:	HAB	Checked By	TG

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.57	32.16	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.58	52.16	51.19
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.00	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.86	94.52	93.60
T_x) Test Temperature (0.5 °C)	22.5	22.5	22.5
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.664	2.663	2.660
K) Correction Factor	0.99950	0.99950	0.99950
G_s) Specific Gravity at 20°C = K x G	2.663	2.662	2.659
G_{avg}) Average Specific Gravity at 20 °C	2.661		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 14, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-PF-BH02
		Sample #:	58381
Lab Number	G634	Depth (m)	9.1-9.4
Tested By	HK	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.86	33.50	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	52.94	53.56	53.55
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.08	20.06	20.00
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.29	95.88	95.89
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.677	2.672	2.663
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.676	2.671	2.662
G_{avg}) Average Specific Gravity at 20 °C	2.670		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 18, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK-PF-BH02
		Sample #:	58382
Lab Number	G635	Depth (m)	11.0-11.3
Tested By	HAB	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.86	33.49	33.56
m_s) Mass of Dry Soil + Pycnometer (g)	52.87	53.49	53.56
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.00	20.00
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.21	95.83	95.88
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.664	2.668	2.659
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.663	2.667	2.658
G_{avg}) Average Specific Gravity at 20 °C	2.663		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 14, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-PF-BH04
		Sample #:	167848
Lab Number	G639	Depth (m)	25.3-25.6
Tested By	HK	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.58	32.18	31.21
m_s) Mass of Dry Soil + Pycnometer (g)	53.64	52.27	51.21
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.06	20.09	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.94	94.62	93.62
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.681	2.679	2.667
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.680	2.678	2.666
G_{avg}) Average Specific Gravity at 20 °C	2.675		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 18, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK22-PF-BH03
		Sample #:	167297
Lab Number	G644	Depth (m)	32.6-32.9
Tested By	HAB	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

WSP GOLDER

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.85	33.50	33.56
m_s) Mass of Dry Soil + Pycnometer (g)	52.89	53.59	53.60
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.04	20.09	20.04
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.35	95.97	95.99
T_x) Test Temperature (0.5 °C)	21.0	21.0	21.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.708	2.698	2.690
K) Correction Factor	0.99980	0.99980	0.99980
G_s) Specific Gravity at 20°C = K x G	2.707	2.697	2.689
G_{avg}) Average Specific Gravity at 20 °C	2.698		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 20, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK22-SOS-BH-02
		Sample #:	167078
Lab Number	G648	Depth (m)	41.5-41.8
Tested By	HAB	Date Reported	July 21, 2022
Input by:	HAB	Checked By	TG

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835 ph2000
Project Name:	SRK_LabSoilTesting_Crawford
Client:	SRK Consulting
Org:	1194
Scheduled By:	Erick Lino (SRK)
Date Scheduled:	March 30, 2022
Due Date:	April 21, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G281

Test Totals: 44 - 44 - 44 - - - - -

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-OP-BD10	35206	2.7	3.4	x		x		x						G282
SRK21-OP-BD10	35205	4.9	5.2	x		x		x						G283
SRK21-OP-BD10	35217	22.9	23.2	x		x		x					x	G284
SRK21-OP-BH04	35224	9.4	9.8	x		x		x						G285
SRK21-OP-BH04	35233	23.5	23.8	x		x		x					x	G286
SRK21-OP-BH02	167786	13.1	13.4	x		x		x						G287
SRK21-OP-BH02	167811	65.5	65.8	x		x		x					x	G288
SRK21-OP-BD07	167993	6.4	6.7	x		x		x						G289
SRK22-OP-BH06	167638	22.9	23.2	x		x		x						G290
SRK22-OP-BH06	167654	49.1	49.4	x		x		x					x	G291
SRK22-OP-BH08	167728	40.8	41.1	x		x		x					x	G292
SRK22-OP-BH01	167363	31.7	32	x		x		x						G293
SRK22-OP-BH10	167381	43.3	43.6	x		x		x					x	G294
SRK21-LGS-BH08	35239	10.7	11	x		x		x						G295
SRK21-LGS-BH08	35247	25.9	26.2	x		x		x					x	G296
SRK21-LGS-BH08	35250	30.5	30.8	x		x		x						G297
SRK21-LG-BH04	167509	14.6	15.2	x		x		x						G298
SRK21-LG-BH04	167512	21.6	21.9	x		x		x					x	G299
SRK21-LG-BH04	167518	32	32.3	x		x		x						G300
SRK22-LG-BH01	167387	26.2	26.5	x		x		x					x	G301
SRK22-LG-BH01	167389	31.7	32	x		x		x						G302
SRK22-LG-BH05	167273	10.4	10.7	x		x		x						G303
SRK22-LG-BH05	167277	21.5	21.8	x		x		x					x	G304
SRK21-NWR-BH07	35259	25.9	26.2	x		x		x					x	G305
SRK21-NWR-BH07	35264	34.7	35.1	x		x		x						G306
SRK21-NWR-BH07	35268	42.7	43	x		x		x						G307

GOLDER

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-PF-BH02	58383	14.9	15.5	x		x		x						G308
SRK21-PF-BH04	167839	7	7.3	x		x		x						G309
SRK21-PF-BH04	167847	23.8	24.4	x		x		x					x	G310
SRK21-PF-BH04	167951	31.4	31.7	x		x		x						G311
SRK21-PF-BH04	167955	42.7	43	x		x		x						G312
SRK22-PF-BH03	167295	19.5	19.8	x		x		x						G313
SRK22-PF-BH03	167299	35.7	36	x		x		x						G314
SRK22-PF-BH03	168202	43.9	44.2	x		x		x						G315
SRK22-SOS-BH-02	167073	28.3	28.7	x		x		x					x	G316
SRK22-SOS-BH-02	167079	43.3	43.6	x		x		x						G317
SRK21-WRD-BH16	167979	7.3	7.6	x		x		x						G318
SRK21-WRD-BH16	167987	20.1	20.4	x		x		x						G319
SRK22-WOS-BH-01	167396	25.6	25.9	x		x		x					x	G320
SRK22-WOS-BH-01	167399	29.9	30.5	x		x		x						G321
SRK22-HG-BH-03	167260	36.3	36.6	x		x		x						G322
SRK22-HG-BH-03	167262	46.3	46.6	x		x		x						G323
SRK22-HG-BH-01	168212	19.5	19.8	x		x		x					x	G324
SRK22-HG-BH-01	168214	25.6	25.9	x		x		x						G325
Highlighted orange denotes that samples were not found														
Highlighted yellow denotes that samples where rocks therefore cannot test														

GOLDER

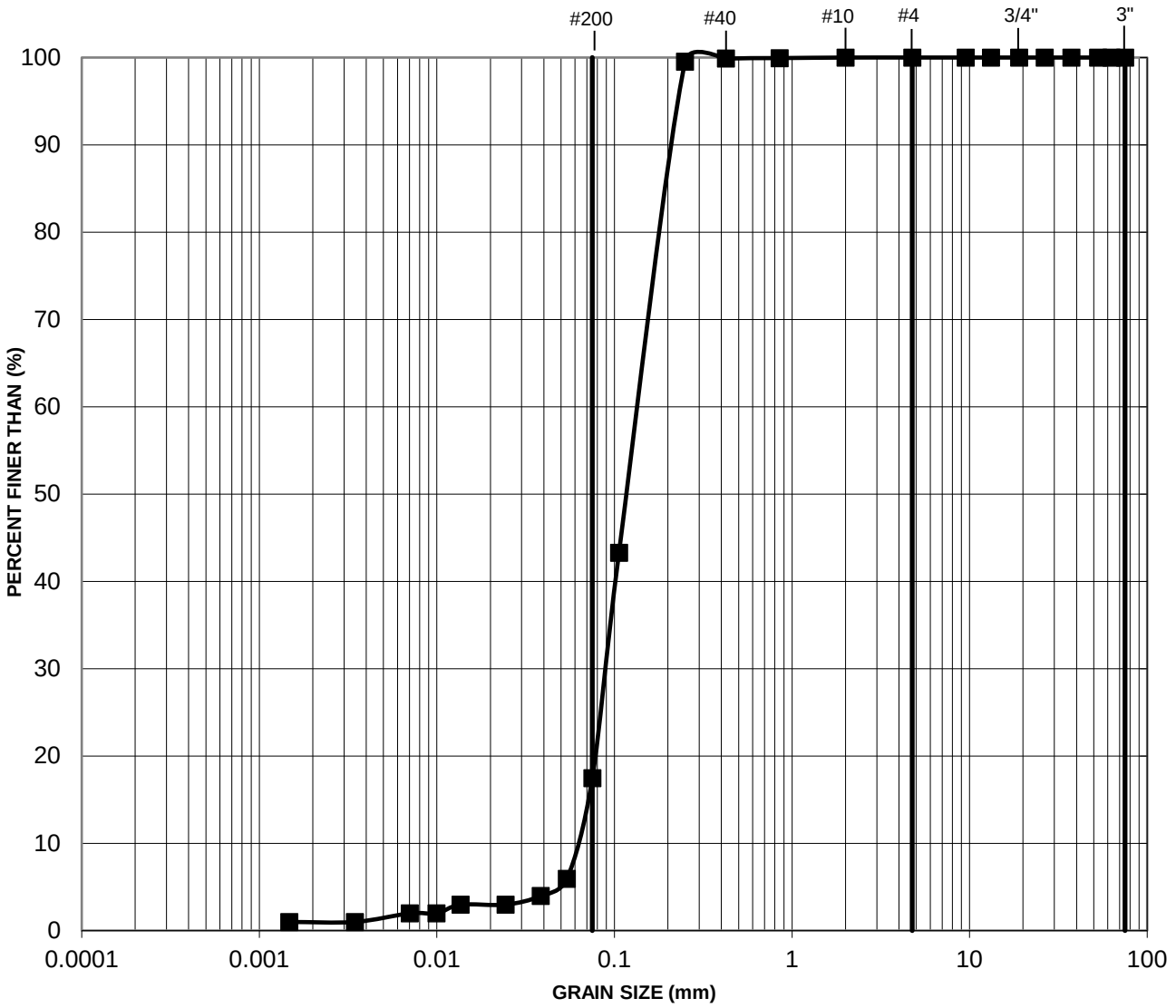
Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Lab Water Content No.:	**G281**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK21-OP-BD10	35206	2.7m - 3.4m	21.6	NP	NP	NP	NP
SRK21-OP-BD10	35205	4.9m - 5.2m	19.6	NP	NP	NP	NP
SRK21-OP-BD10	35217	22.9m - 23.2m	sample not found				
SRK21-OP-BH04	35224	9.4m - 9.8m	30.6	35.7	18.2	17.5	0.7
SRK21-OP-BH04	35233	23.5m - 23.8m	Rock				
SRK21-OP-BH02	167786	13.1m - 13.4m	38.5	41.2	18.6	22.7	0.9
SRK21-OP-BH02	167811	65.5m - 65.8m	7.0	NP	NP	NP	NP
SRK21-OP-BD07	167993	6.4m - 6.7m	12.1	NP	NP	NP	NP
SRK22-OP-BH06	167638	22.9m - 23.2m	13.8	NP	NP	NP	NP
SRK22-OP-BH06	167654	49.1m - 49.4m	Rock				
SRK22-OP-BH08	167728	40.8m - 41.1m	22.0	NP	NP	NP	NP
SRK22-OP-BH01	167363	31.7m - 32m	15.8	NP	NP	NP	NP
SRK22-OP-BH10	167381	43.3m - 43.6m	12.6	NP	NP	NP	NP
SRK21-LGS-BH08	35239	10.7m - 11m	32.8	42.0	17.9	24.1	0.6
SRK21-LGS-BH08	35247	25.9m - 26.2m	20.5	NP	NP	NP	NP
SRK21-LGS-BH08	35250	30.5m - 30.8m	Rock				
SRK21-LG-BH04	167509	14.6m - 15.2m	sample not found				
SRK21-LG-BH04	167512	21.6m - 21.9m	8.1	NP	NP	NP	NP
SRK21-LG-BH04	167518	32m - 32.3m	11.6	NP	NP	NP	NP
SRK22-LG-BH01	167387	26.2m - 26.5m	15.9	NP	NP	NP	NP
SRK22-LG-BH01	167389	31.7m - 32m	10.1	NP	NP	NP	NP
SRK22-LG-BH05	167273	10.4m - 10.7m	33.3	39.5	17.2	22.3	0.7
SRK22-LG-BH05	167277	21.5m - 21.8m	33.9	26.7	16.4	10.3	1.7
SRK21-NWR-BH07	35259	25.9m - 26.2m	17.4	NP	NP	NP	NP
SRK21-NWR-BH07	35264	34.7m - 35.1m	6.8	NP	NP	NP	NP
SRK21-NWR-BH07	35268	42.7m - 43m	Rock				
SRK21-PF-BH02	58383	14.9m - 15.5m	21.0	NP	NP	NP	NP
SRK21-PF-BH04	167839	7m - 7.3m	41.8	41.7	19.2	22.5	1.0
SRK21-PF-BH04	167847	23.8m - 24.4m	21.9	NP	NP	NP	NP
SRK21-PF-BH04	167951	31.4m - 31.7m	16.1	NP	NP	NP	NP
SRK21-PF-BH04	167955	42.7m - 43m	Rock				
SRK22-PF-BH03	167295	19.5m - 19.8m	34.6	34.3	18.3	16.0	1.0
SRK22-PF-BH03	167299	35.7m - 36m	7.2	NP	NP	NP	NP
SRK22-PF-BH03	168202	43.9m - 44.2m	8.1	NP	NP	NP	NP
SRK22-SOS-BH-02	167073	28.3m - 28.7m	12.0	NP	NP	NP	NP
SRK22-SOS-BH-02	167079	43.3m - 43.6m	8.9	NP	NP	NP	NP
SRK21-WRD-BH16	167979	7.3m - 7.6m	19.5	28.2	13.5	14.8	0.4
SRK21-WRD-BH16	167987	20.1m - 20.4m	Rock				
SRK22-WOS-BH-01	167396	25.6m - 25.9m	22.3	NP	NP	NP	NP
SRK22-WOS-BH-01	167399	29.9m - 30.5m	10.2	NP	NP	NP	NP
SRK22-HG-BH-03	167260	36.3m - 36.6m	6.1	NP	NP	NP	NP
SRK22-HG-BH-03	167262	46.3m - 46.6m	7.1	NP	NP	NP	NP

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD10	35206	2.7m - 3.4m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

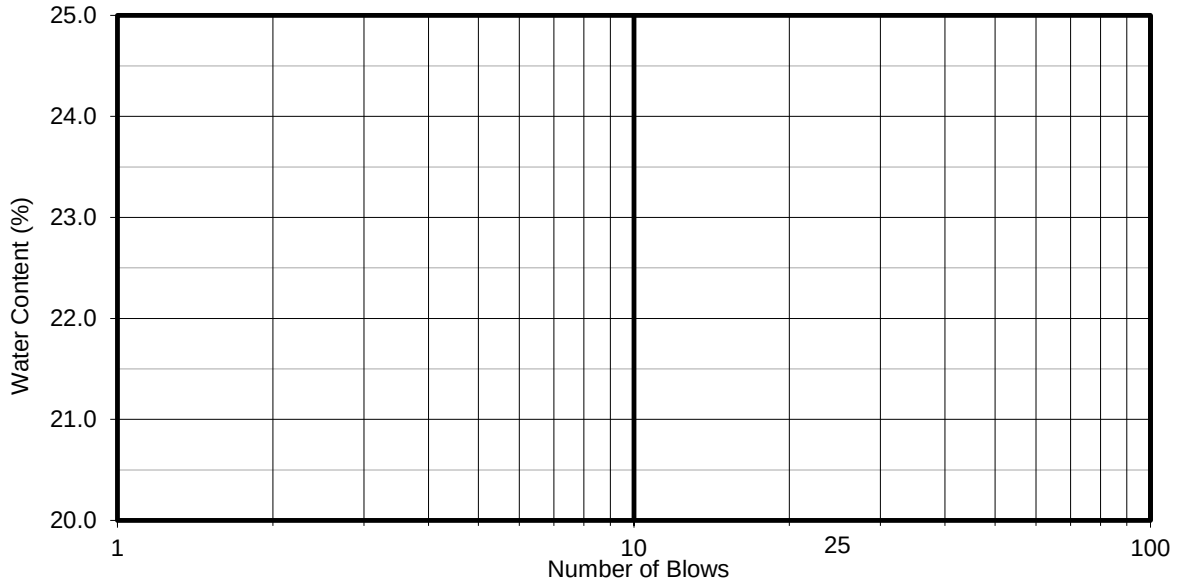
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**09-Apr-22**
Technician:	**HAB**
Lab Number:	**G282**
Borehole:	**SRK21-OP-BD10**
Sample Number:	**35206**
Depth of Sample:	**2.7m - 3.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						909.74			
MASS DRY SOIL + TARE (g)						816.93			
MASS OF WATER (g)						92.81			
MASS OF CONTAINER (g)						386.43			
MASS OF DRY SOIL (g)						430.50			
WATER CONTENT W (%)						21.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

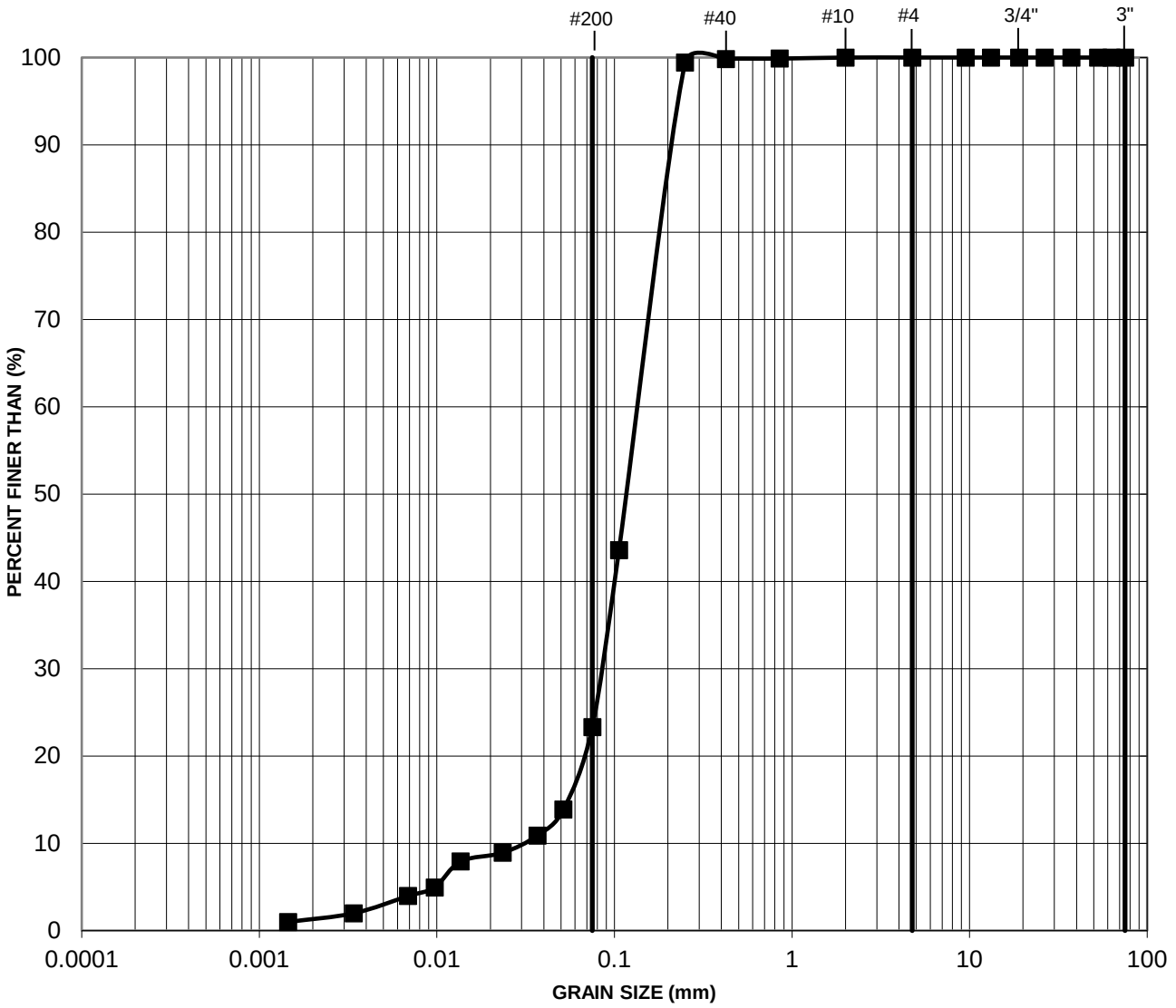


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD10	35205	4.9m - 5.2m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

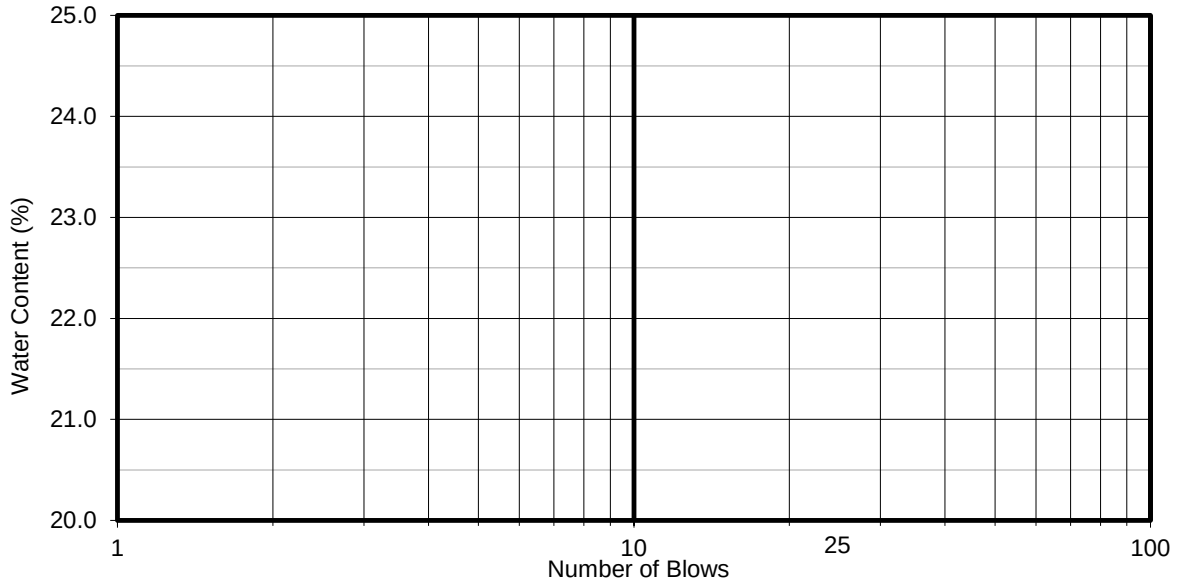
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**09-Apr-22**
Technician:	**HAB**
Lab Number:	**G283**
Borehole:	**SRK21-OP-BD10**
Sample Number:	**35205**
Depth of Sample:	**4.9m - 5.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						924.21			
MASS DRY SOIL + TARE (g)						835.84			
MASS OF WATER (g)						88.37			
MASS OF CONTAINER (g)						385.39			
MASS OF DRY SOIL (g)						450.45			
WATER CONTENT W (%)						19.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

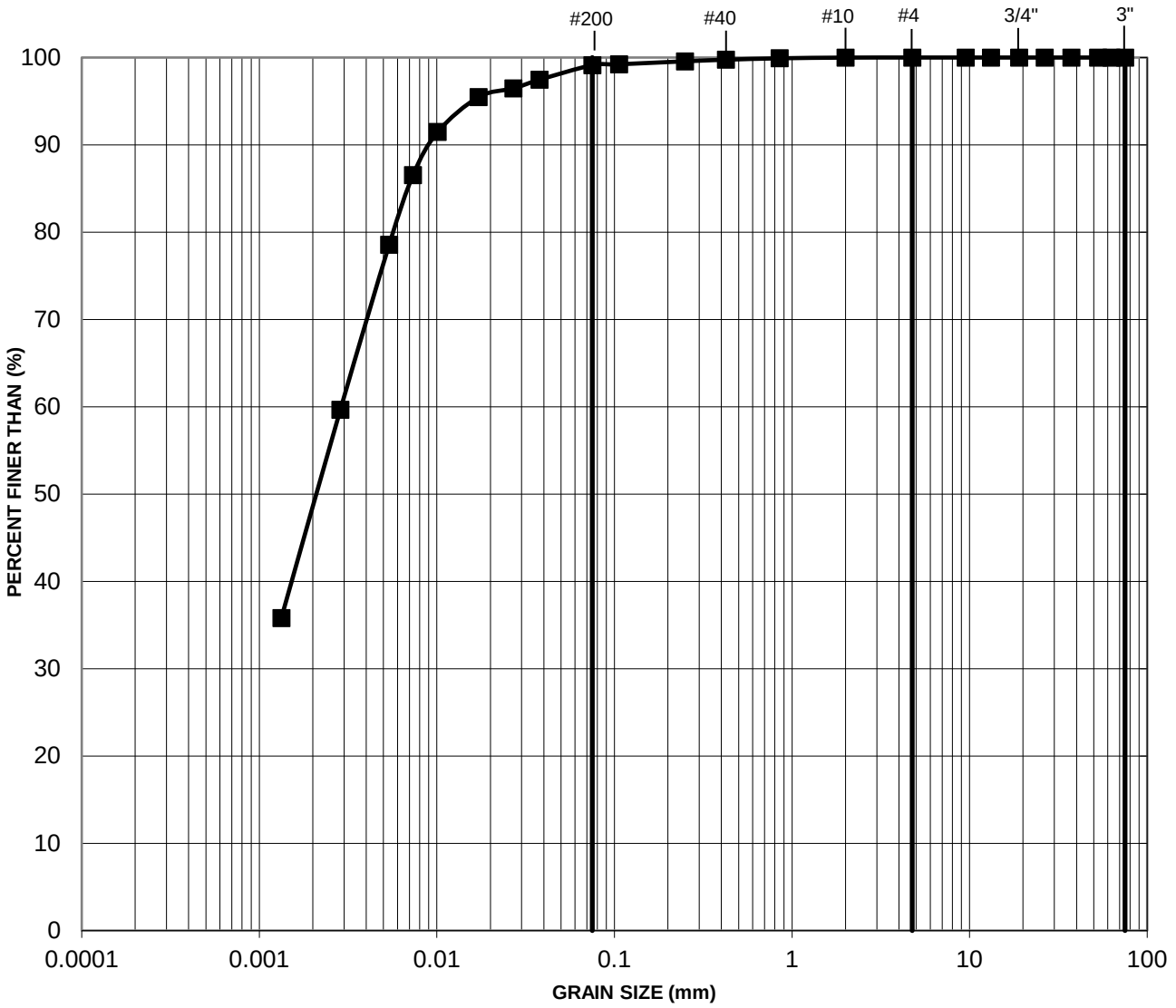


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH04	35224	9.4m - 9.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

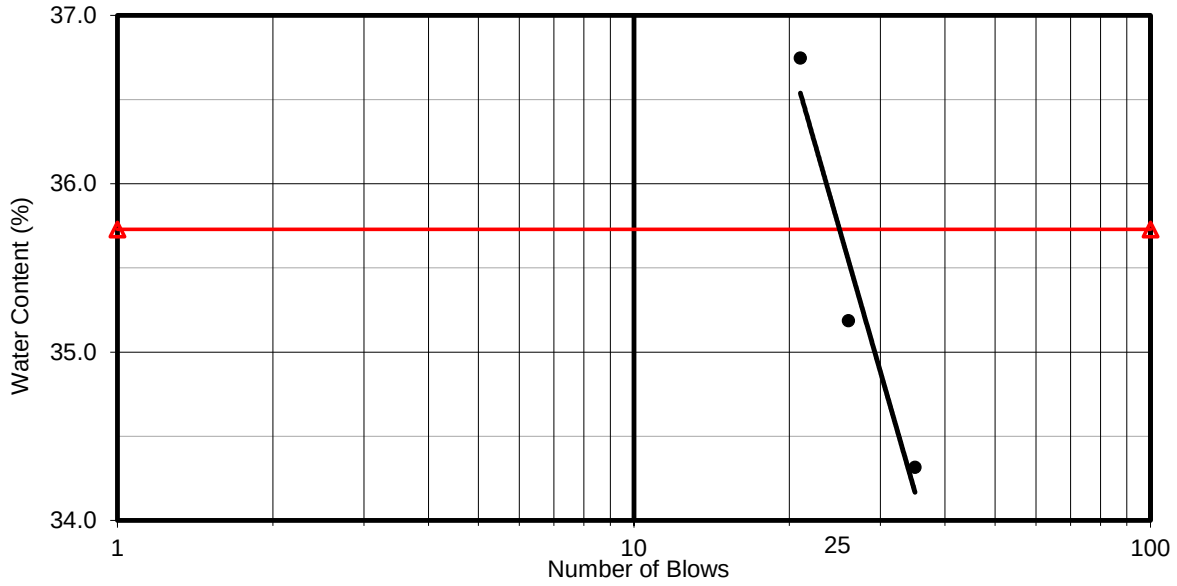
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**13-Apr-22**
Technician:	**HAB**
Lab Number:	**G285**
Borehole:	**SRK21-OP-BH04**
Sample Number:	**35224**
Depth of Sample:	**9.4m - 9.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	R1	u	10m			X	10	60	
NUMBER OF BLOWS	35	26	21			X	X	X	X
MASS WET SOIL + TARE (g)	28.41	26.05	24.51			891.79	26.05	23.56	
MASS DRY SOIL + TARE (g)	24.69	22.95	21.64			772.63	23.69	21.66	
MASS OF WATER (g)	3.72	3.10	2.87			119.16	2.36	1.90	
MASS OF CONTAINER (g)	13.85	14.14	13.83			383.64	10.92	11.05	
MASS OF DRY SOIL (g)	10.84	8.81	7.81			388.99	12.77	10.61	
WATER CONTENT W (%)	34.3	35.2	36.7			30.6	18.5	17.9	

LIQUID LIMIT (%)	**35.7**
PLASTIC LIMIT (%)	**18.2**
PLASTICITY INDEX (%)	**17.5**
W NATURAL (%)	**30.6**
LIQUIDITY INDEX	**0.71**

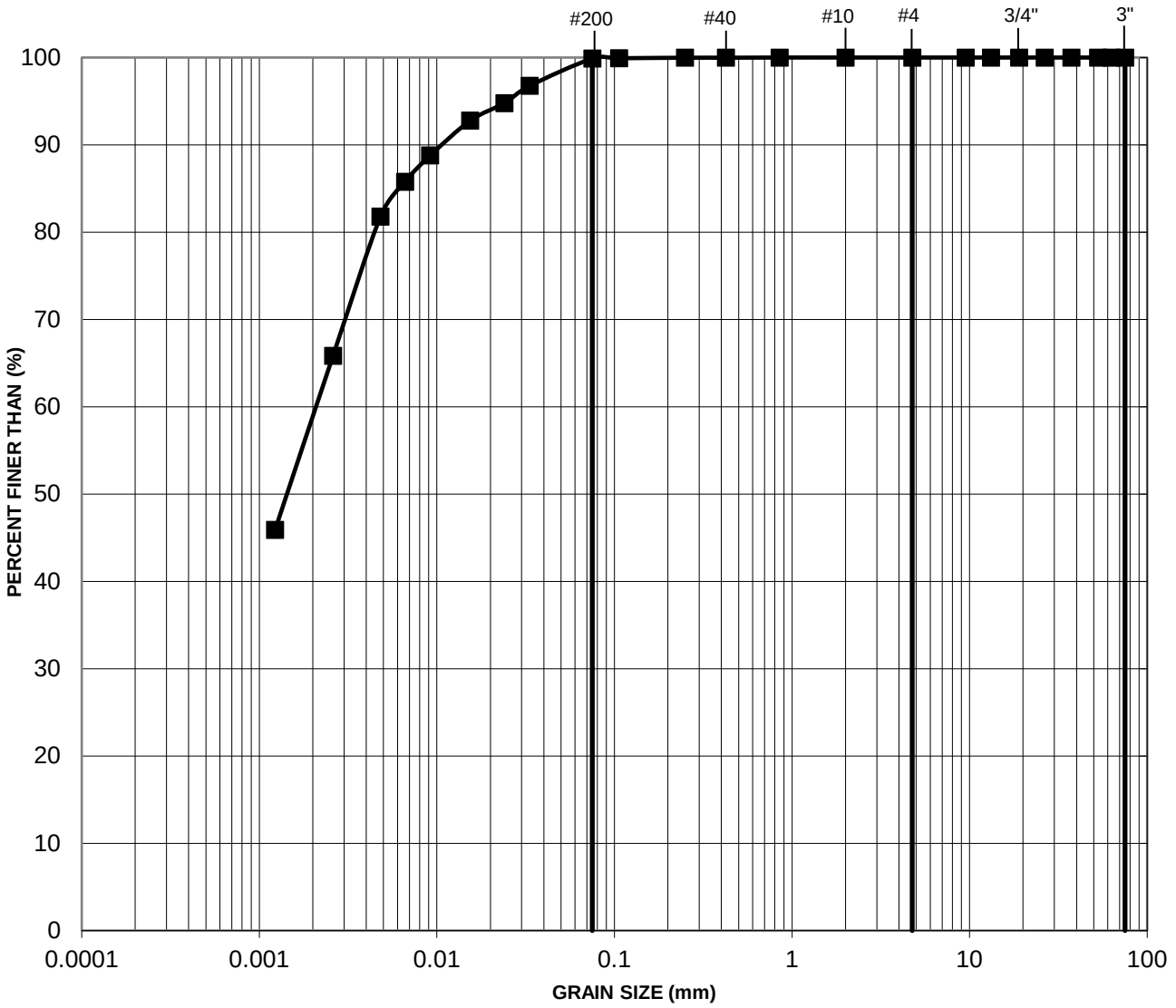


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH02	167786	13.1m - 13.4m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

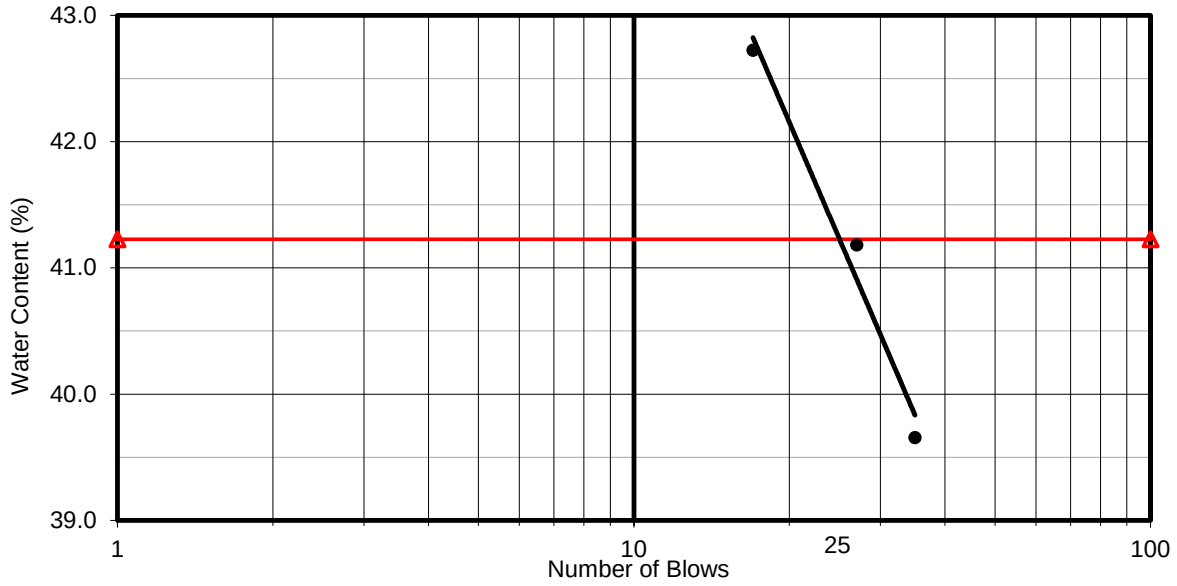
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G287**
Borehole:	**SRK21-OP-BH02**
Sample Number:	**167786**
Depth of Sample:	**13.1m - 13.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	89	63	39			X	r9	mr5	
NUMBER OF BLOWS	35	27	17			X	X	X	X
MASS WET SOIL + TARE (g)	32.41	34.69	34.90			886.13	24.63	25.69	
MASS DRY SOIL + TARE (g)	29.17	30.79	30.73			747.58	22.91	23.81	
MASS OF WATER (g)	3.24	3.90	4.17			138.55	1.72	1.88	
MASS OF CONTAINER (g)	20.99	21.32	20.97			387.75	13.79	13.52	
MASS OF DRY SOIL (g)	8.18	9.47	9.76			359.83	9.12	10.29	
WATER CONTENT W (%)	39.7	41.2	42.7			38.5	18.9	18.3	

LIQUID LIMIT (%)	**41.2**
PLASTIC LIMIT (%)	**18.6**
PLASTICITY INDEX (%)	**22.7**
W NATURAL (%)	**38.5**
LIQUIDITY INDEX	**0.88**

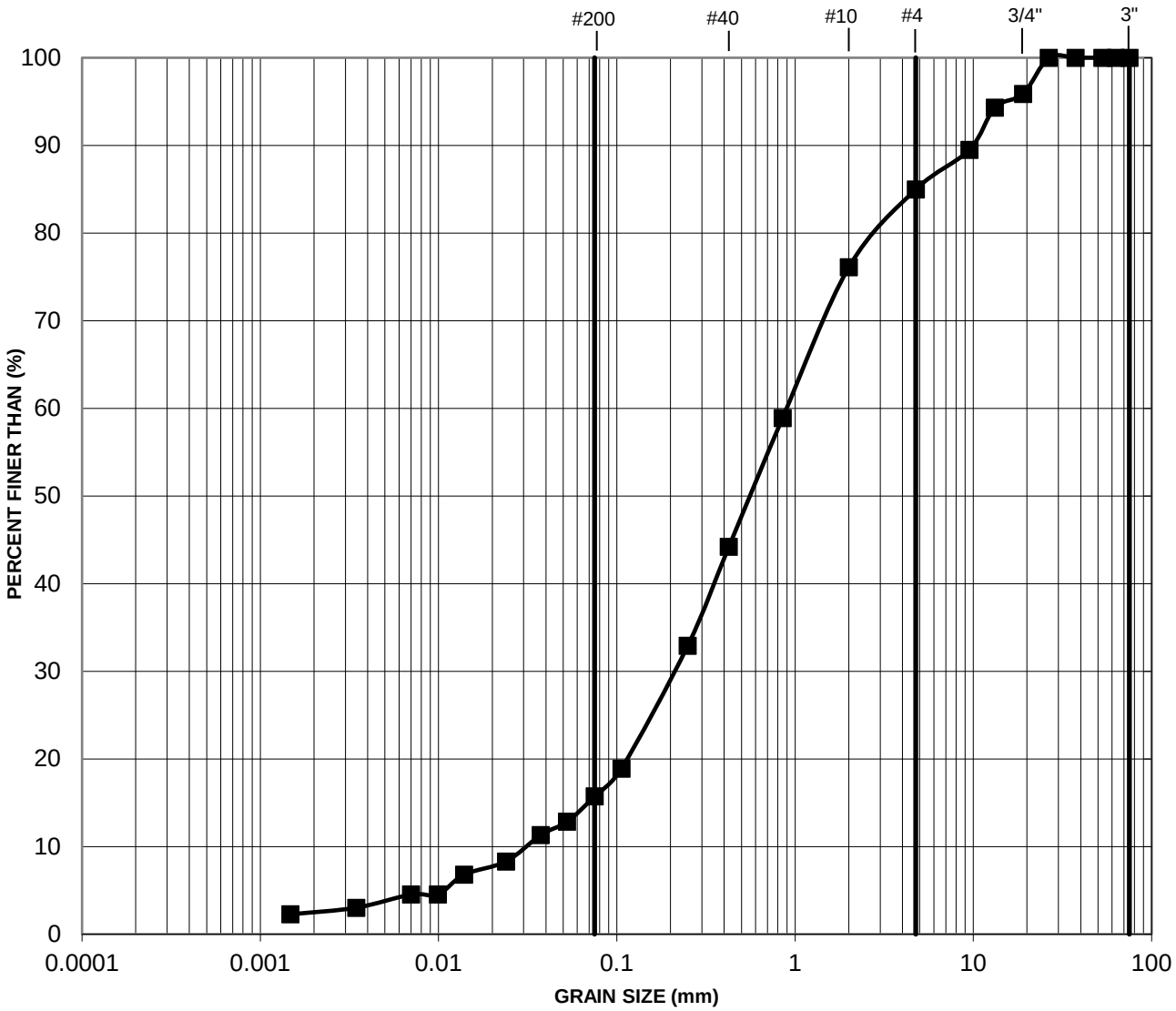


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH02	167811	65.5m - 65.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

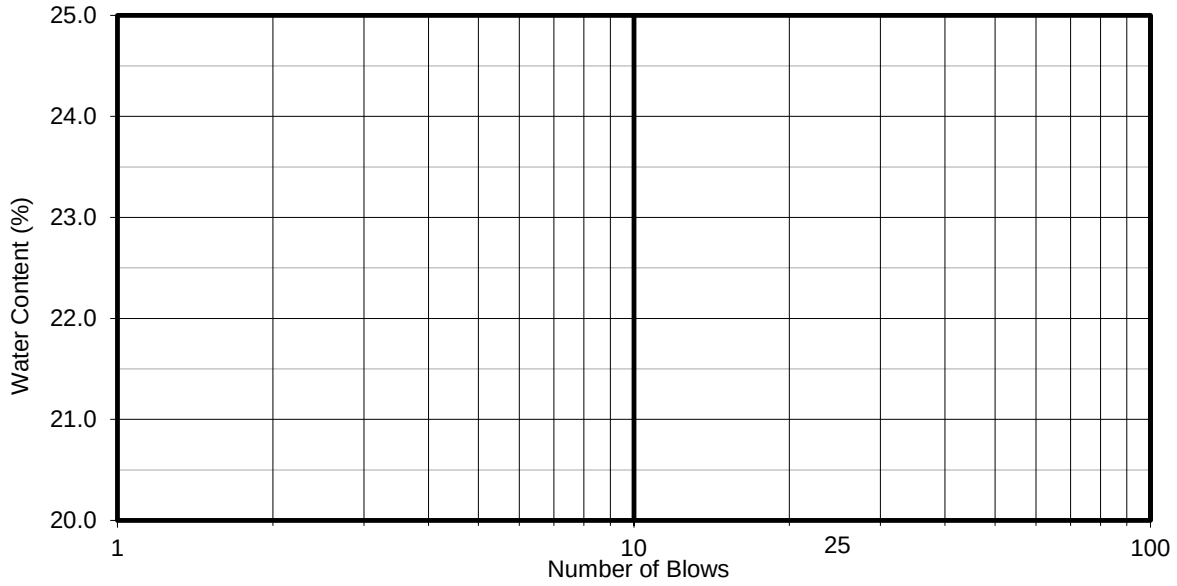
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G288**
Borehole:	**SRK21-OP-BH02**
Sample Number:	**167811**
Depth of Sample:	**65.5m - 65.8m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						950.92			
MASS DRY SOIL + TARE (g)						913.99			
MASS OF WATER (g)						36.93			
MASS OF CONTAINER (g)						384.63			
MASS OF DRY SOIL (g)						529.36			
WATER CONTENT W (%)						7.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

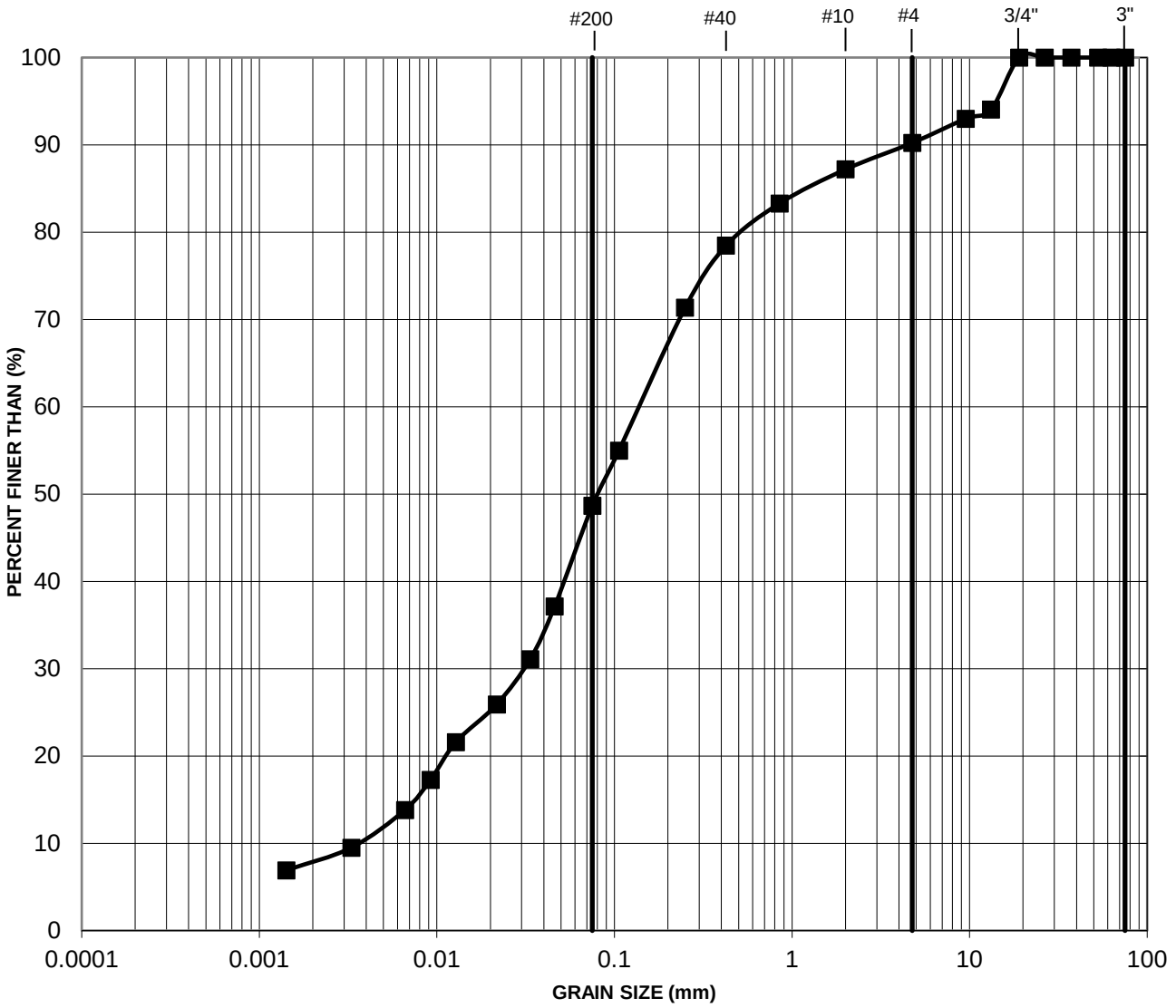


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BD07	167993	6.4m - 6.7m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

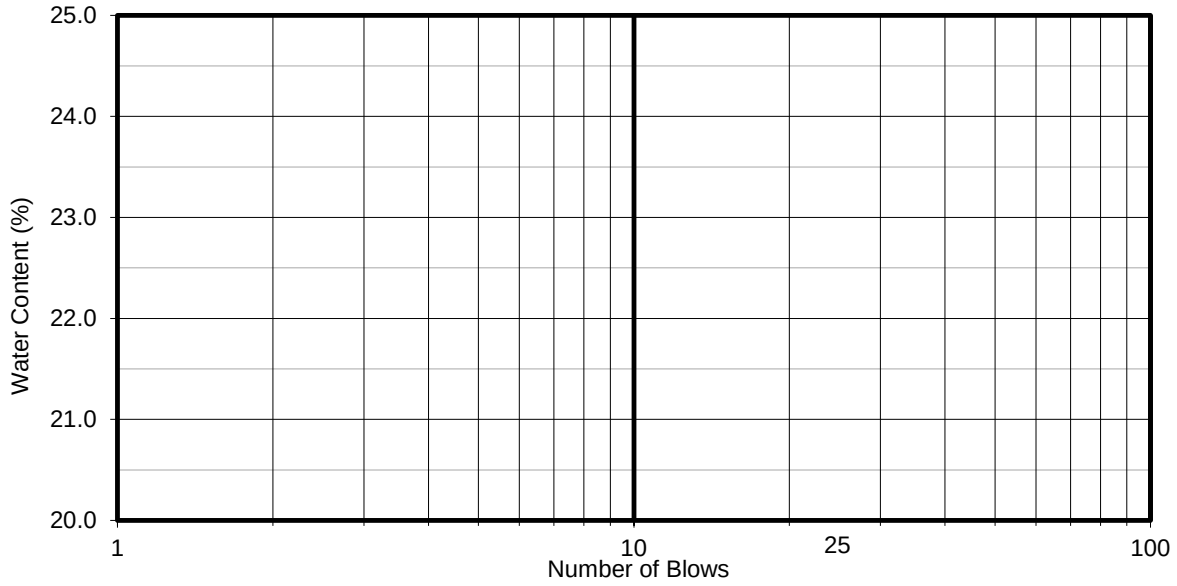
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G289**
Borehole:	**SRK21-OP-BD07**
Sample Number:	**167993**
Depth of Sample:	**6.4m - 6.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						878.31			
MASS DRY SOIL + TARE (g)						825.19			
MASS OF WATER (g)						53.12			
MASS OF CONTAINER (g)						385.56			
MASS OF DRY SOIL (g)						439.63			
WATER CONTENT W (%)						12.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

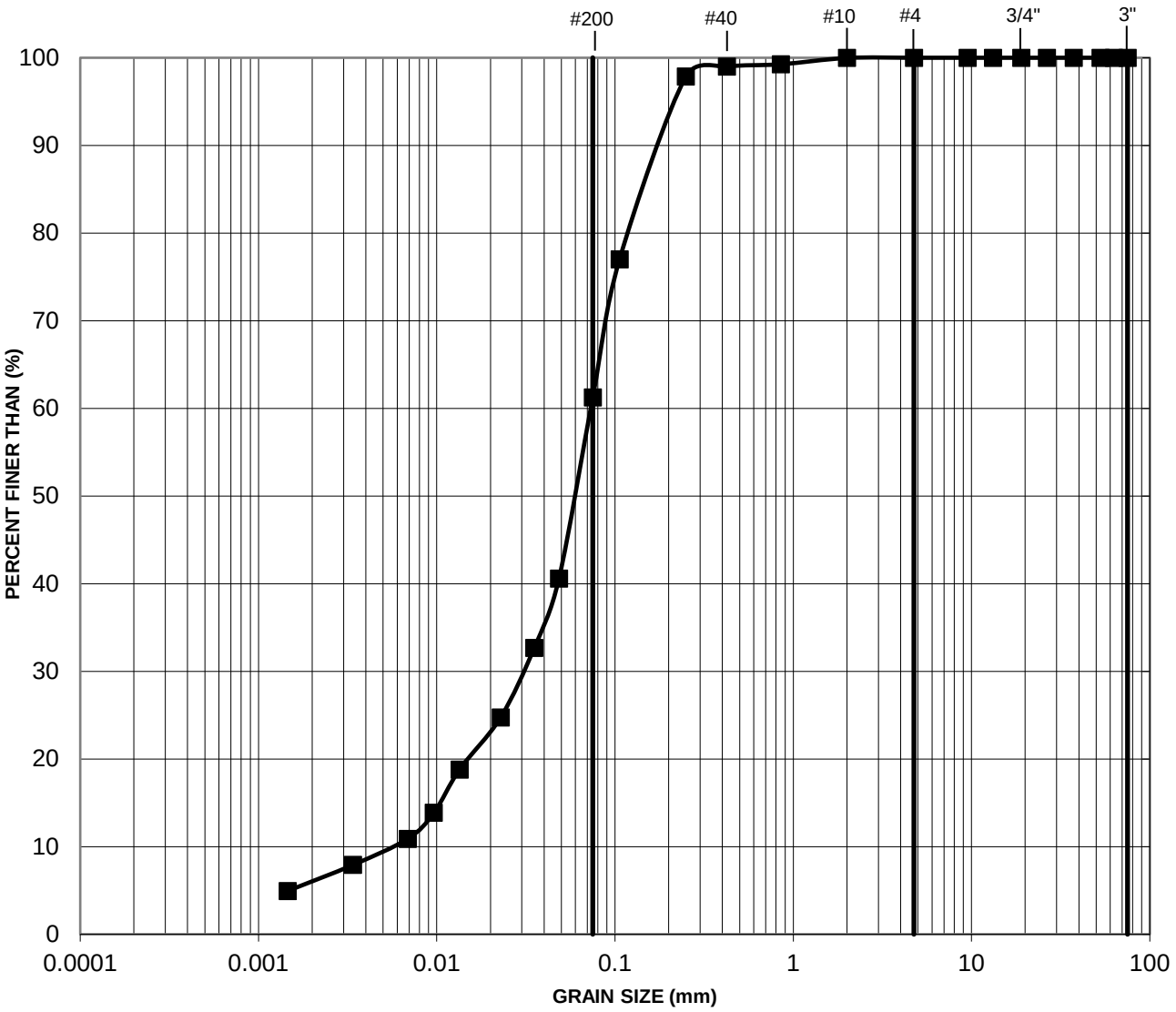


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH06	167638	22.9m - 23.2m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

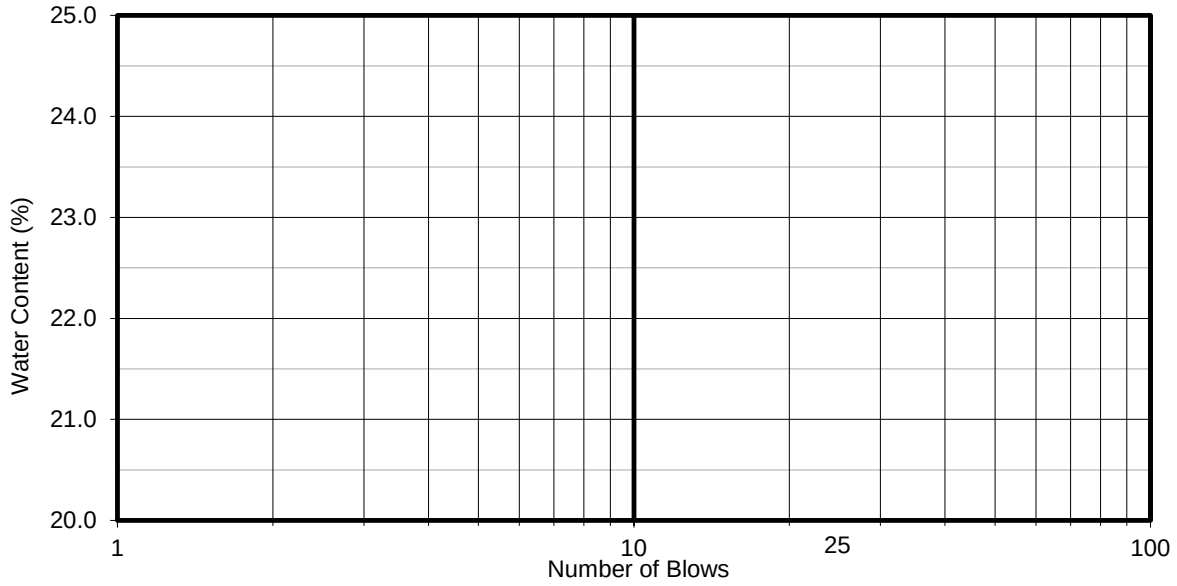
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**09-Apr-22**
Technician:	**HAB**
Lab Number:	**G290**
Borehole:	**SRK22-OP-BH06**
Sample Number:	**167638**
Depth of Sample:	**22.9m - 23.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						887.56			
MASS DRY SOIL + TARE (g)						826.47			
MASS OF WATER (g)						61.09			
MASS OF CONTAINER (g)						#REF!			
MASS OF DRY SOIL (g)						#REF!			
WATER CONTENT W (%)						#REF!			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

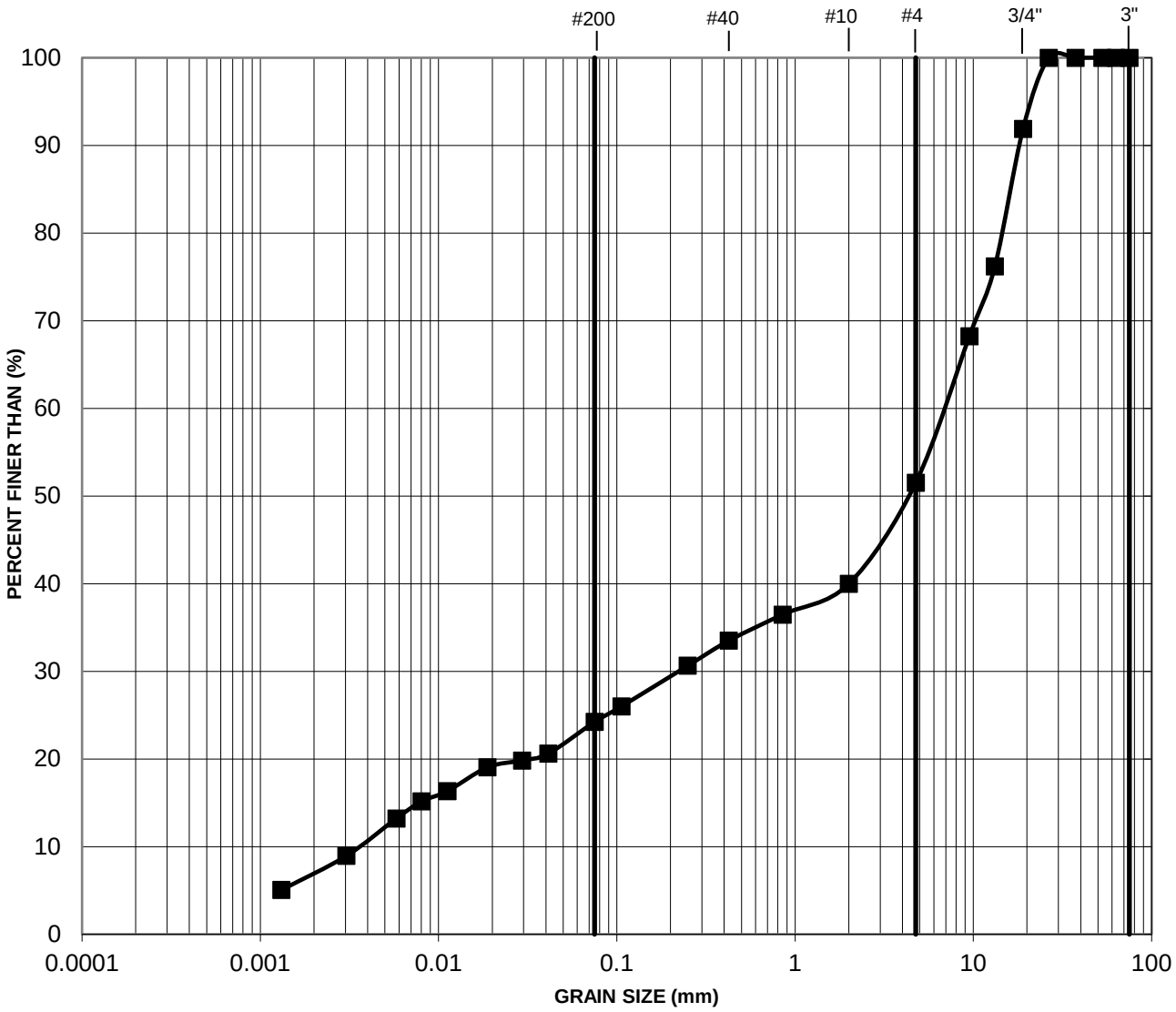


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH08	167728	40.8m - 41.1m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

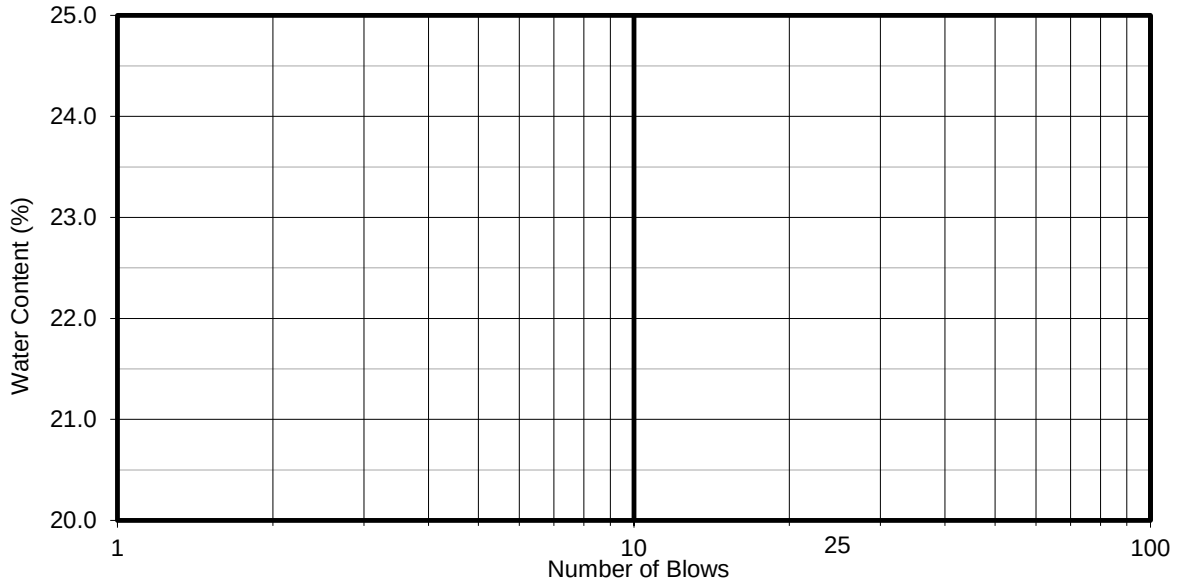
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G292**
Borehole:	**SRK22-OP-BH08**
Sample Number:	**167728**
Depth of Sample:	**40.8m - 41.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						983.87			
MASS DRY SOIL + TARE (g)						875.57			
MASS OF WATER (g)						108.30			
MASS OF CONTAINER (g)						384.29			
MASS OF DRY SOIL (g)						491.28			
WATER CONTENT W (%)						22.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

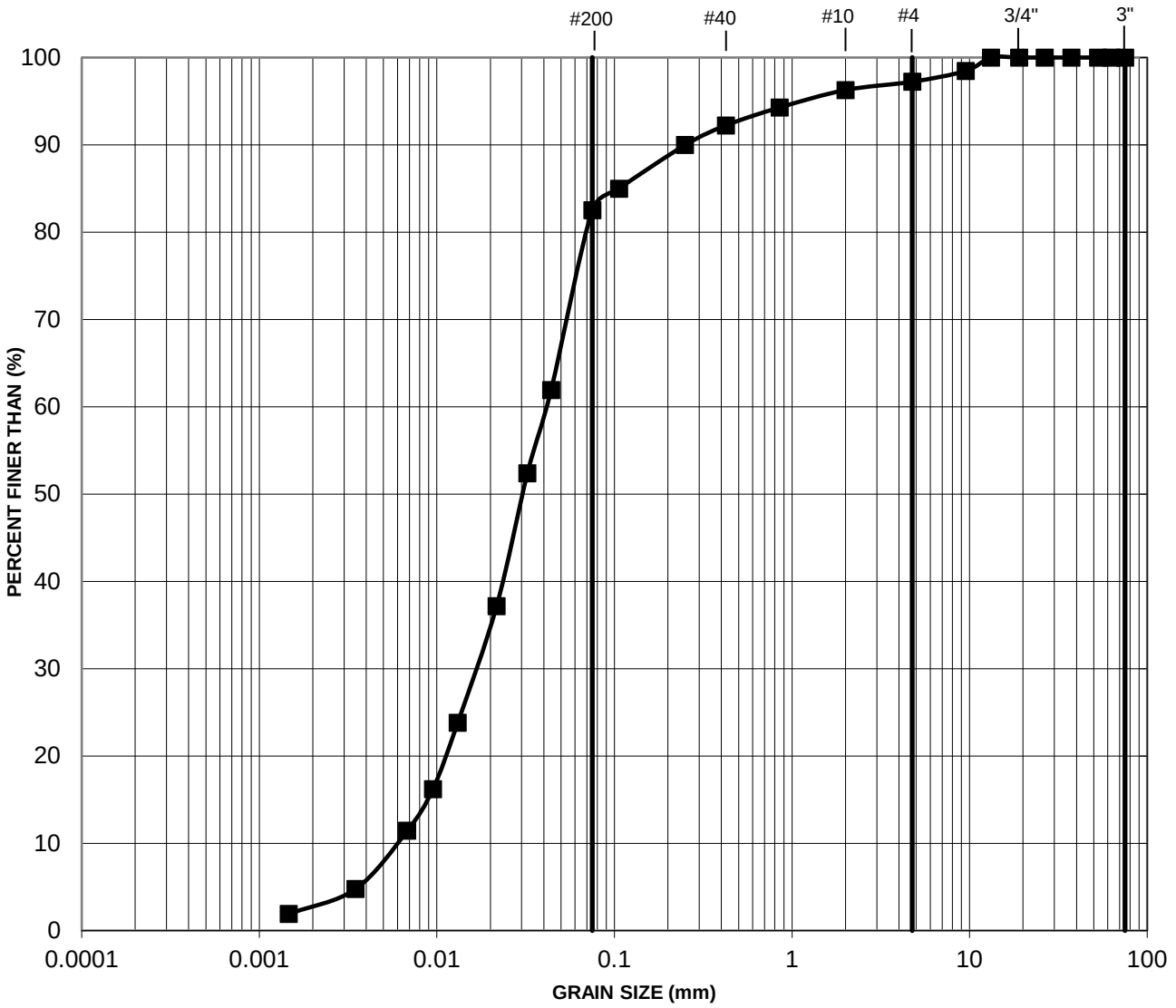


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH01	167363	31.7m - 32m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

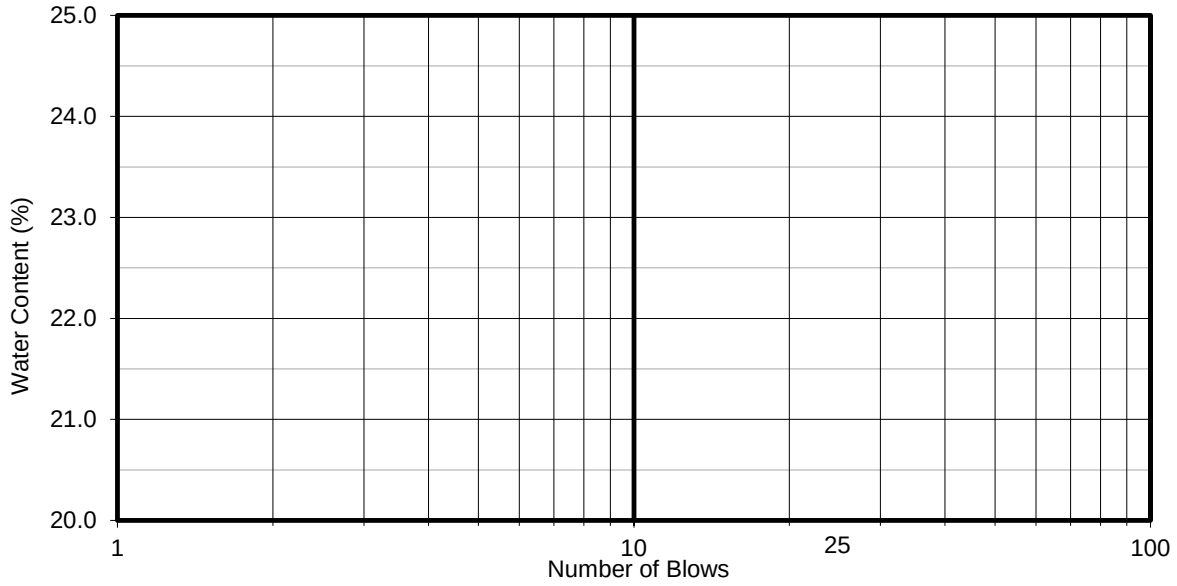
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G293**
Borehole:	**SRK22-OP-BH01**
Sample Number:	**167363**
Depth of Sample:	**31.7m - 32m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						898.37			
MASS DRY SOIL + TARE (g)						828.46			
MASS OF WATER (g)						69.91			
MASS OF CONTAINER (g)						384.68			
MASS OF DRY SOIL (g)						443.78			
WATER CONTENT W (%)						15.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

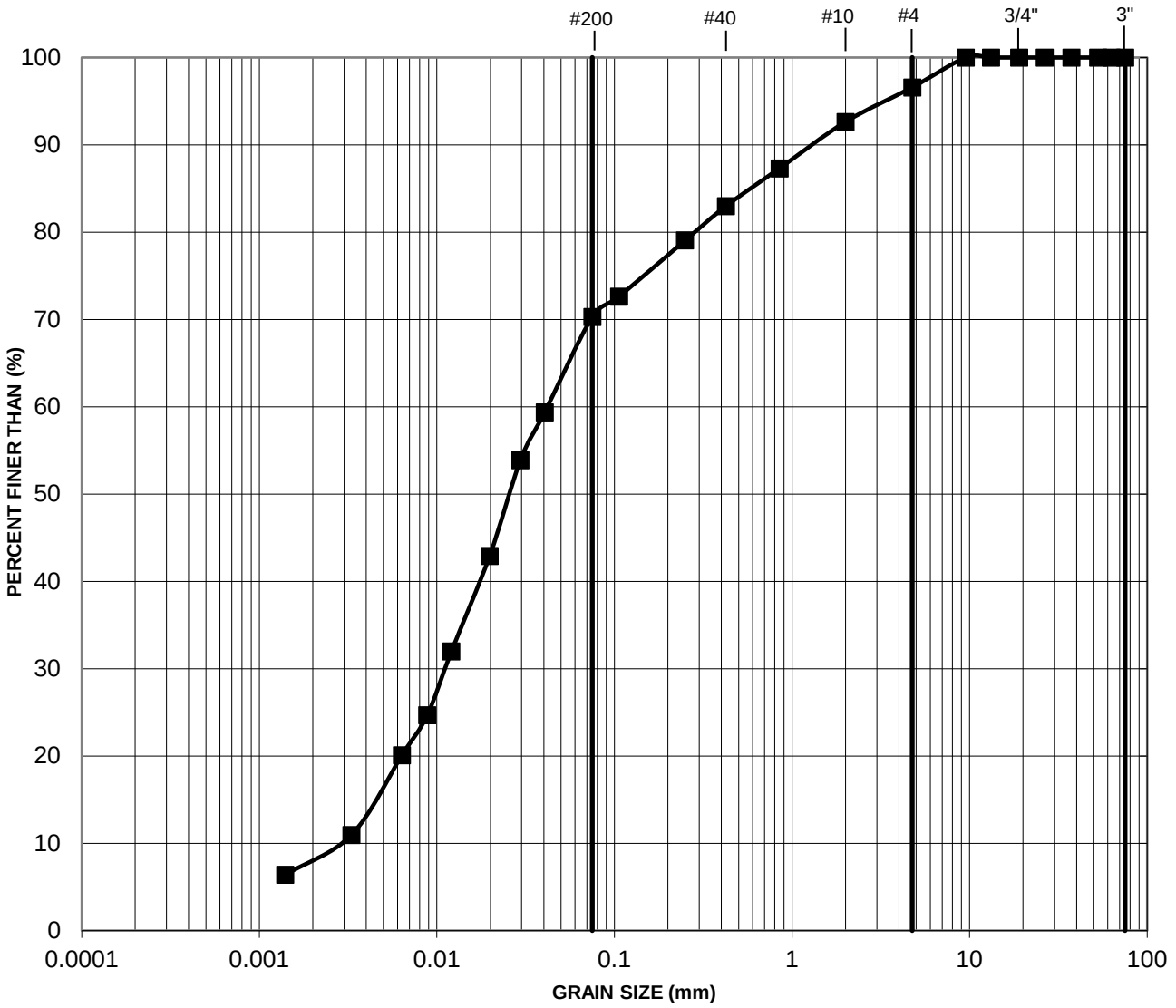


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH10	167381	43.3m - 43.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

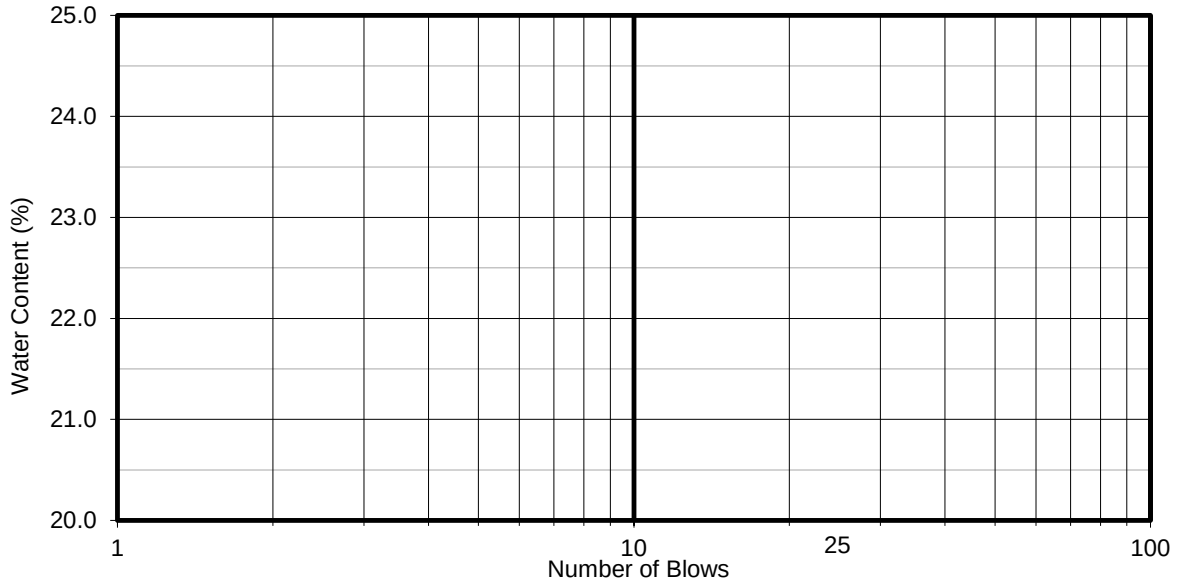
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G294**
Borehole:	**SRK22-OP-BH10**
Sample Number:	**167381**
Depth of Sample:	**43.3m - 43.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						888.78			
MASS DRY SOIL + TARE (g)						832.59			
MASS OF WATER (g)						56.19			
MASS OF CONTAINER (g)						387.30			
MASS OF DRY SOIL (g)						445.29			
WATER CONTENT W (%)						12.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

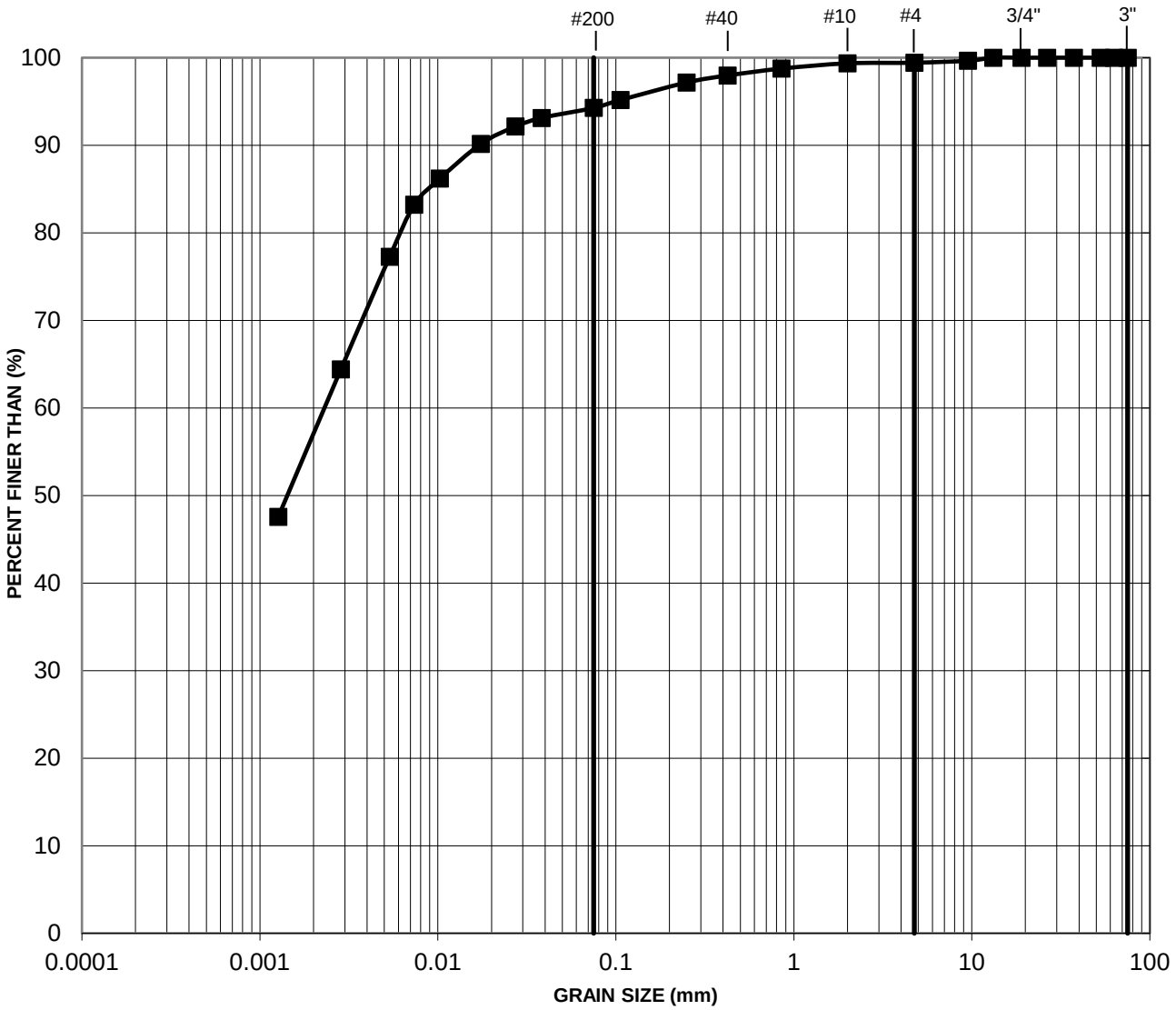


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LGS-BH08	35239	10.7m - 11m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

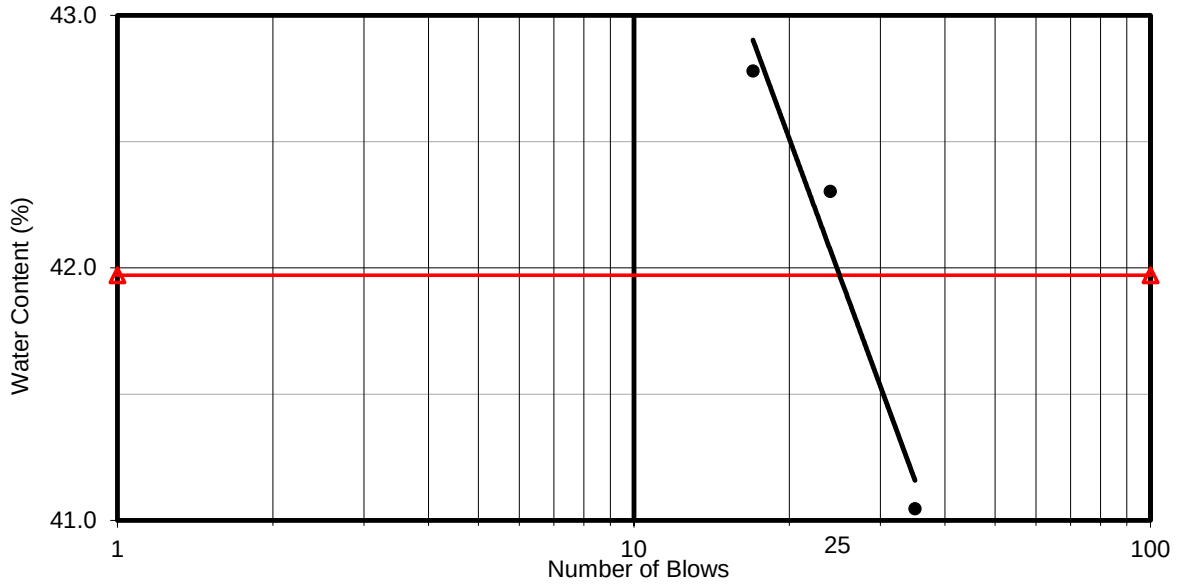
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 14, 2022**
Technician:	**EG**
Lab Number:	**G295**
Borehole:	**SRK21-LGS-BH08**
Sample Number:	**35239**
Depth of Sample:	**10.7m - 11m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	28	32	85			**X**	R14	xxx	
NUMBER OF BLOWS	35	24	17			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	31.22	33.12	36.67			876.49	26.46	24.70	
MASS DRY SOIL + TARE (g)	28.24	29.41	31.90			755.76	24.66	23.06	
MASS OF WATER (g)	2.98	3.71	4.77			120.73	1.80	1.64	
MASS OF CONTAINER (g)	20.98	20.64	20.75			388.10	14.70	13.82	
MASS OF DRY SOIL (g)	7.26	8.77	11.15			367.66	9.96	9.24	
WATER CONTENT W (%)	41.0	42.3	42.8			32.8	18.1	17.7	

LIQUID LIMIT (%)	**42.0**
PLASTIC LIMIT (%)	**17.9**
PLASTICITY INDEX (%)	**24.1**
W NATURAL (%)	**32.8**
LIQUIDITY INDEX	**0.62**

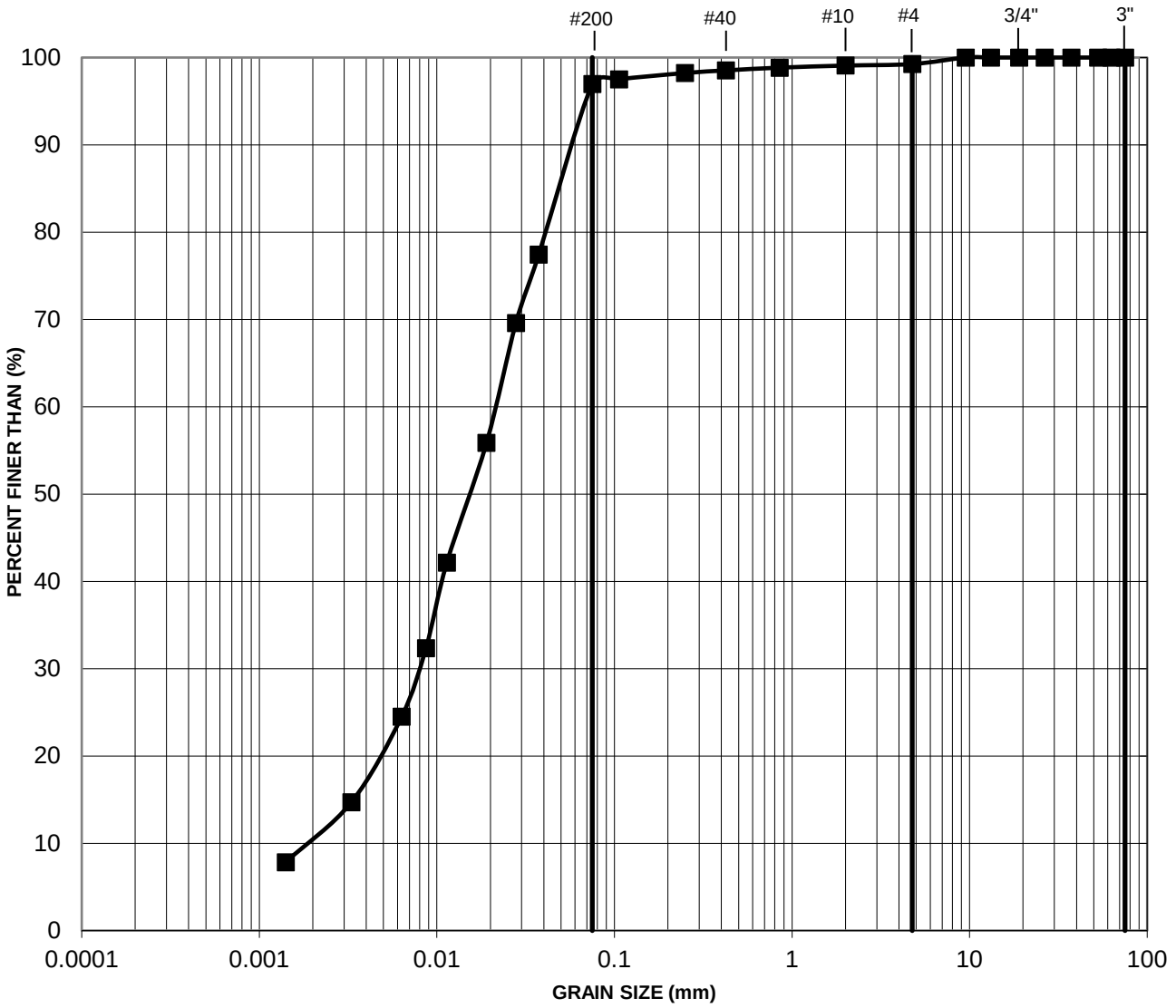


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LGS-BH08	35247	25.9m - 26.2m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

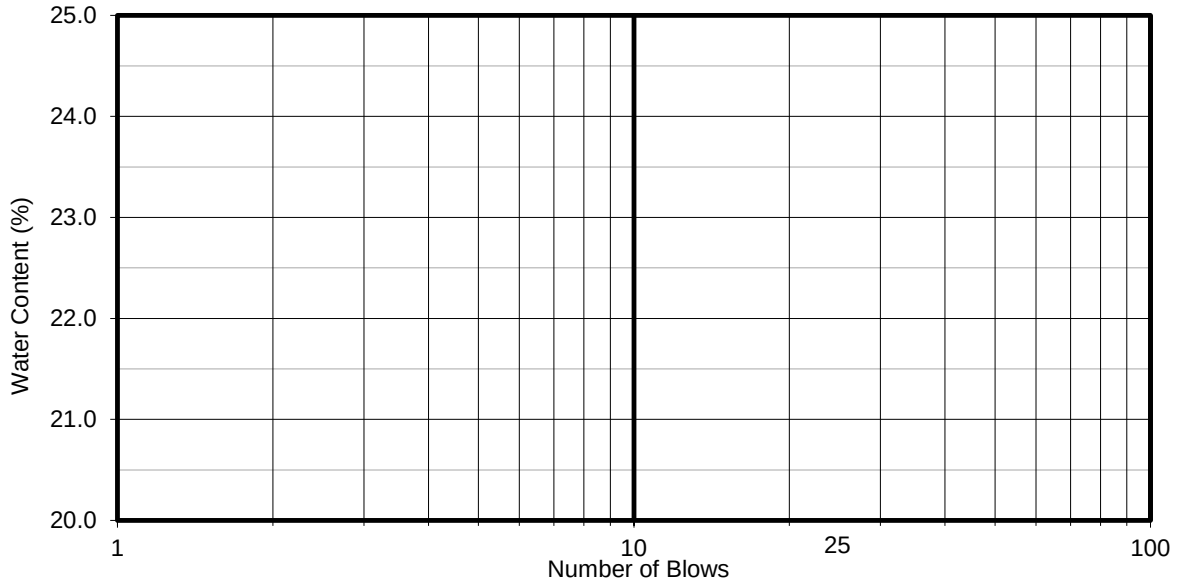
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G296**
Borehole:	**SRK21-LGS-BH08**
Sample Number:	**35247**
Depth of Sample:	**25.9m - 26.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						901.44			
MASS DRY SOIL + TARE (g)						813.50			
MASS OF WATER (g)						87.94			
MASS OF CONTAINER (g)						385.08			
MASS OF DRY SOIL (g)						428.42			
WATER CONTENT W (%)						20.5			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

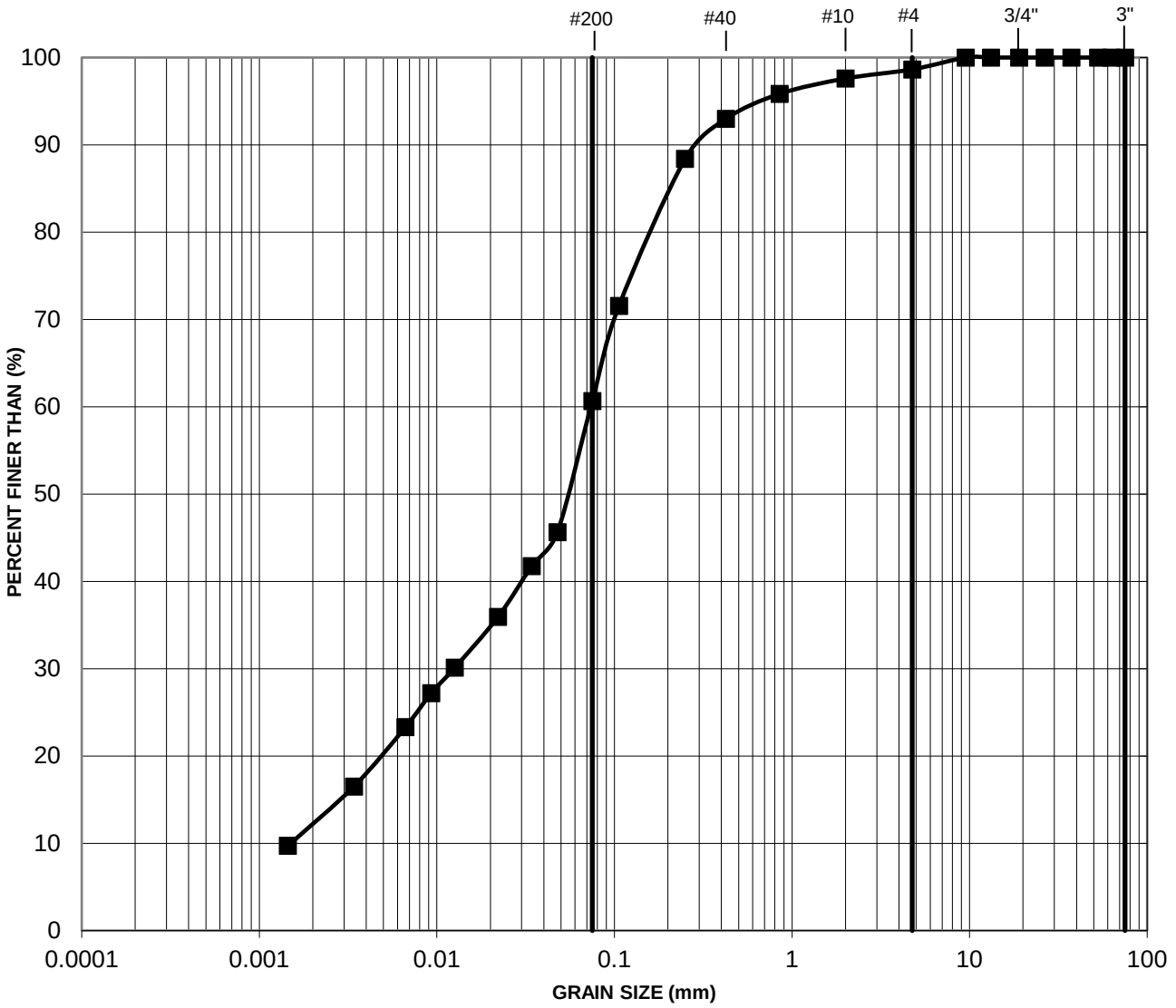


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LG-BH04	167512	21.6m - 21.9m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

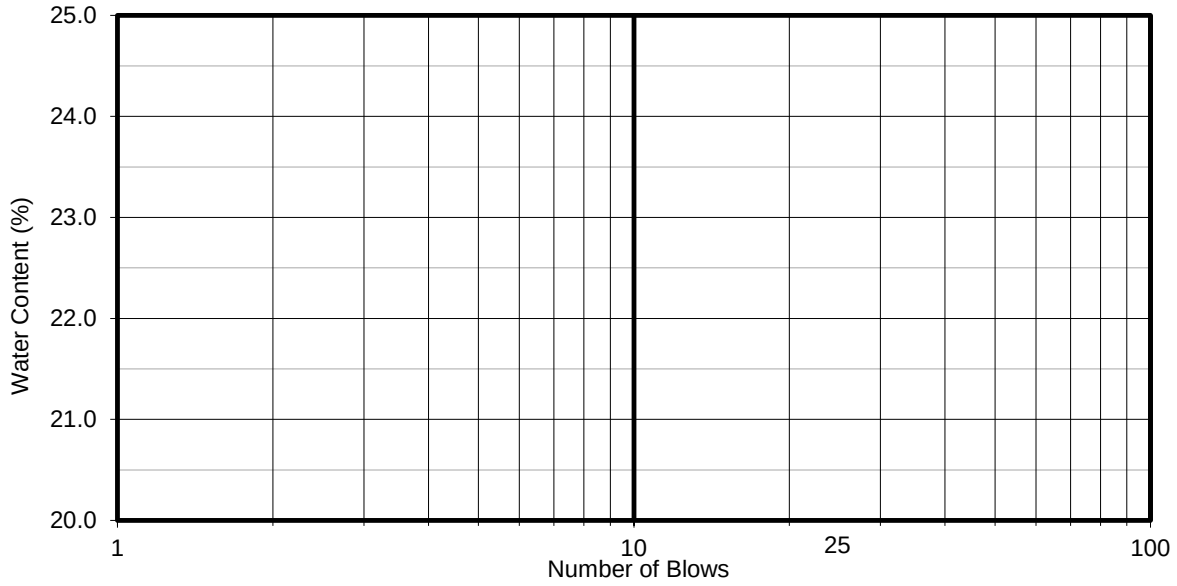
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**HK**
Lab Number:	**G299**
Borehole:	**SRK21-LG-BH04**
Sample Number:	**167512**
Depth of Sample:	**21.6m - 21.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						891.09			
MASS DRY SOIL + TARE (g)						852.95			
MASS OF WATER (g)						38.14			
MASS OF CONTAINER (g)						383.70			
MASS OF DRY SOIL (g)						469.25			
WATER CONTENT W (%)						8.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

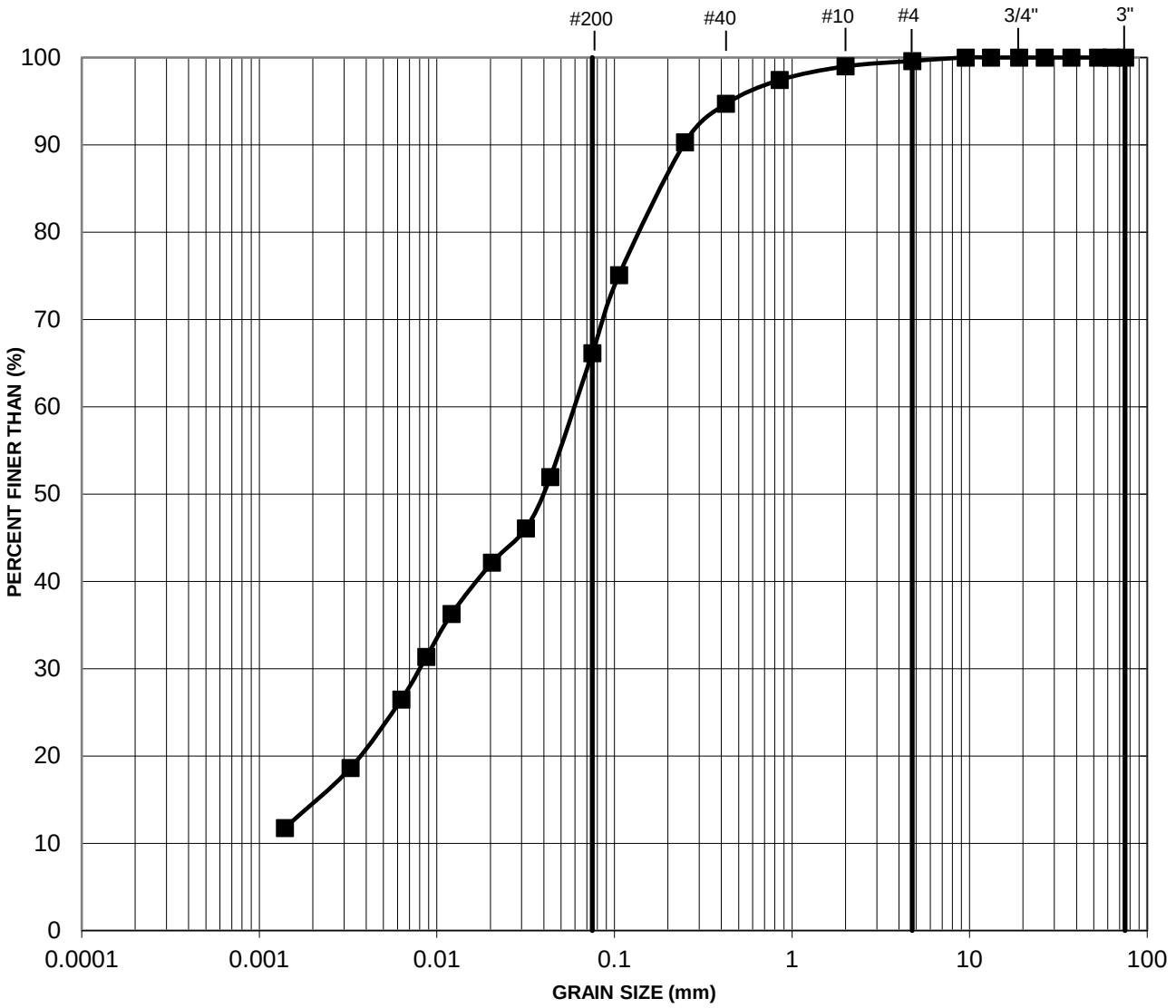


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LG-BH04	167518	32m - 32.3m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

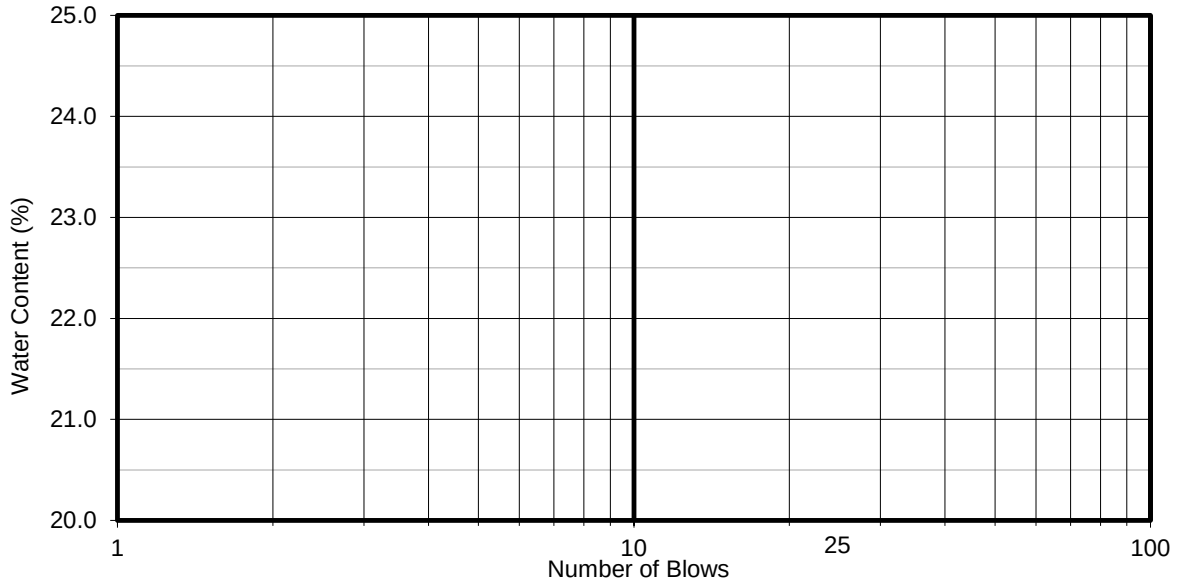
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G300**
Borehole:	**SRK21-LG-BH04**
Sample Number:	**167518**
Depth of Sample:	**32m - 32.3m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						899.59			
MASS DRY SOIL + TARE (g)						846.44			
MASS OF WATER (g)						53.15			
MASS OF CONTAINER (g)						386.59			
MASS OF DRY SOIL (g)						459.85			
WATER CONTENT W (%)						11.6			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

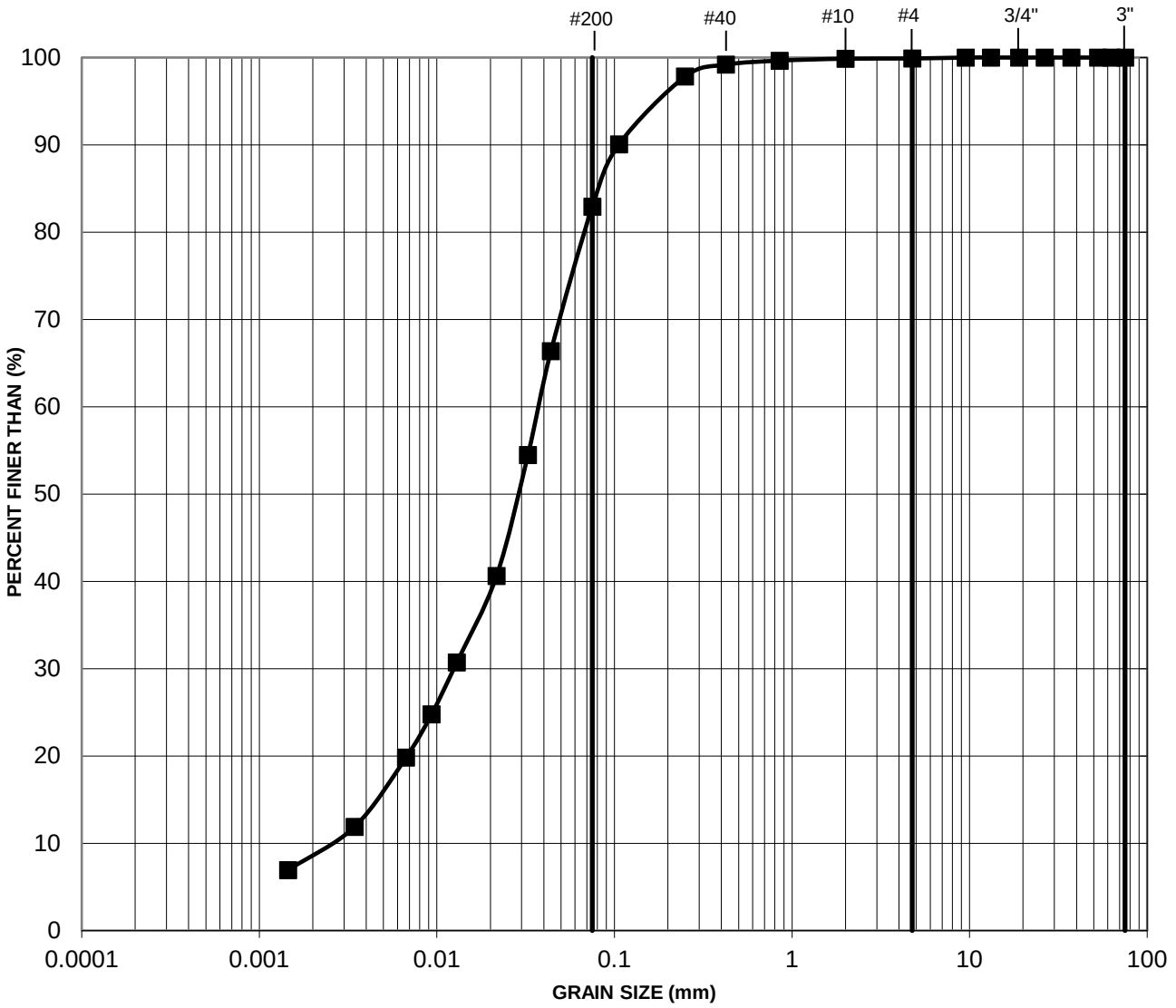


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-LG-BH01	167387	26.2m - 26.5m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

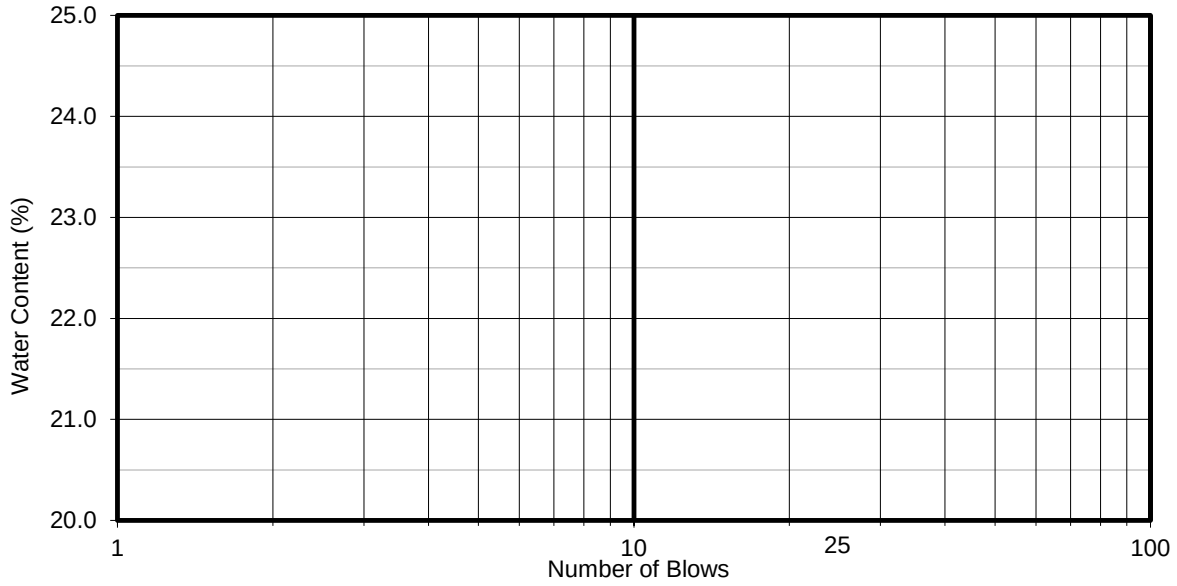
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19 ,2022**
Technician:	**EG**
Lab Number:	**G301**
Borehole:	**SRK22-LG-BH01**
Sample Number:	**167387**
Depth of Sample:	**26.2m - 26.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						974.70			
MASS DRY SOIL + TARE (g)						893.60			
MASS OF WATER (g)						81.10			
MASS OF CONTAINER (g)						385.06			
MASS OF DRY SOIL (g)						508.54			
WATER CONTENT W (%)						15.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

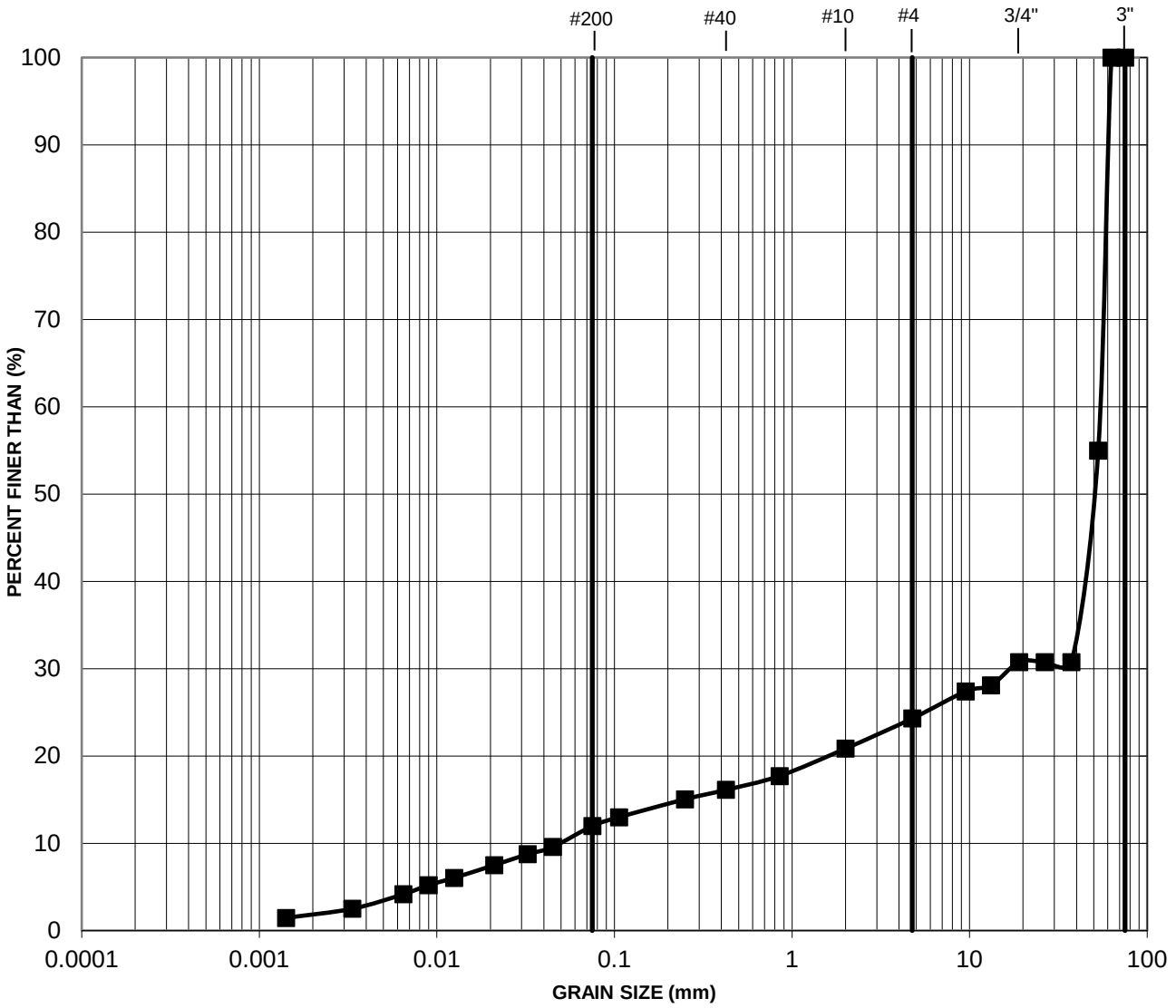


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-LG-BH01	167389	31.7m - 32m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

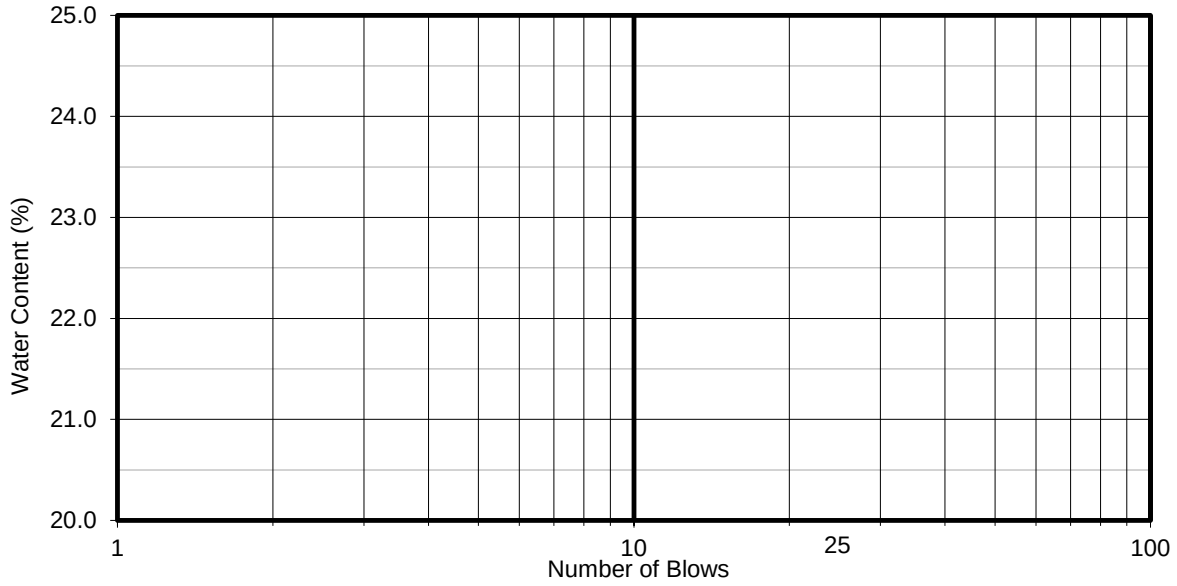
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G302**
Borehole:	**SRK22-LG-BH01**
Sample Number:	**167389**
Depth of Sample:	**31.7m - 32m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						889.24			
MASS DRY SOIL + TARE (g)						842.90			
MASS OF WATER (g)						46.34			
MASS OF CONTAINER (g)						385.34			
MASS OF DRY SOIL (g)						457.56			
WATER CONTENT W (%)						10.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

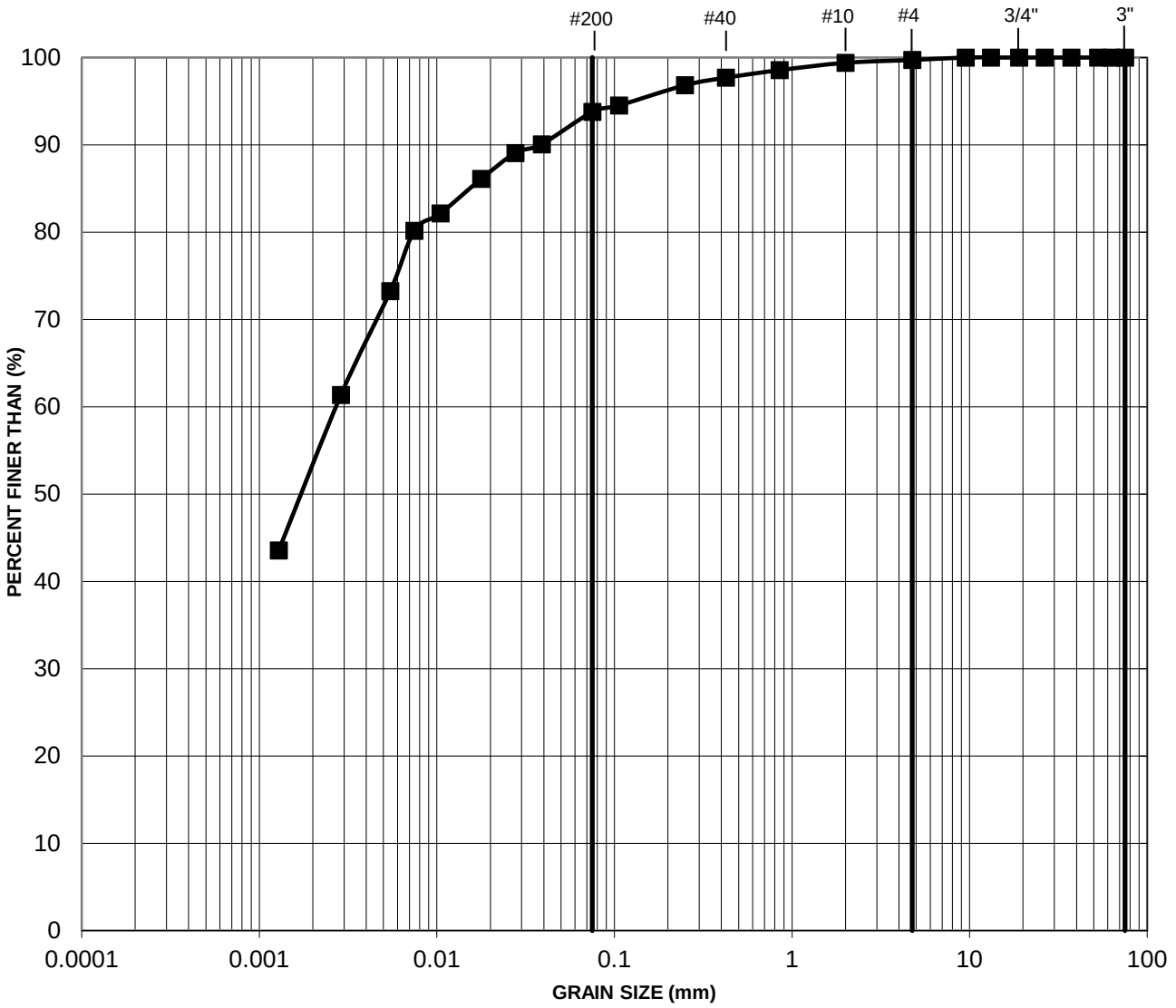


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-LG-BH05	167273	10.4m - 10.7m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

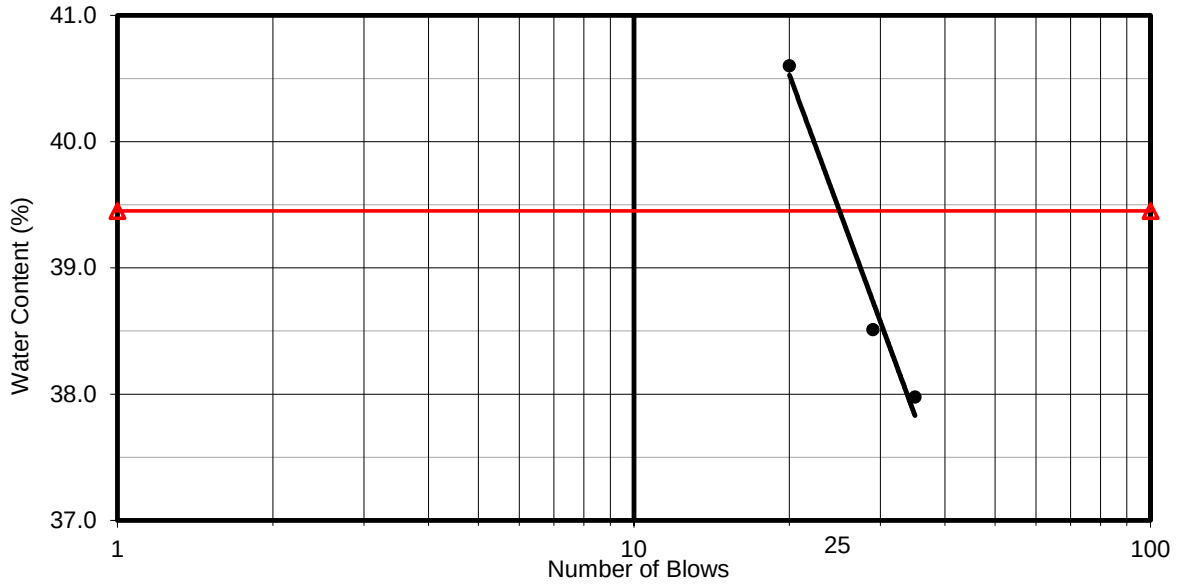
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G303**
Borehole:	**SRK22-LG-BH05**
Sample Number:	**167273**
Depth of Sample:	**10.4m - 10.7m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	6m	m	1a			**X**	r14	16l	
NUMBER OF BLOWS	35	29	20			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	25.78	24.44	28.87			901.01	19.50	19.19	
MASS DRY SOIL + TARE (g)	22.51	21.54	24.55			772.43	17.75	17.40	
MASS OF WATER (g)	3.27	2.90	4.32			128.58	1.75	1.79	
MASS OF CONTAINER (g)	13.90	14.01	13.91			386.26	7.28	7.27	
MASS OF DRY SOIL (g)	8.61	7.53	10.64			386.17	10.47	10.13	
WATER CONTENT W (%)	38.0	38.5	40.6			33.3	16.7	17.7	

LIQUID LIMIT (%)	**39.5**
PLASTIC LIMIT (%)	**17.2**
PLASTICITY INDEX (%)	**22.3**
W NATURAL (%)	**33.3**
LIQUIDITY INDEX	**0.72**

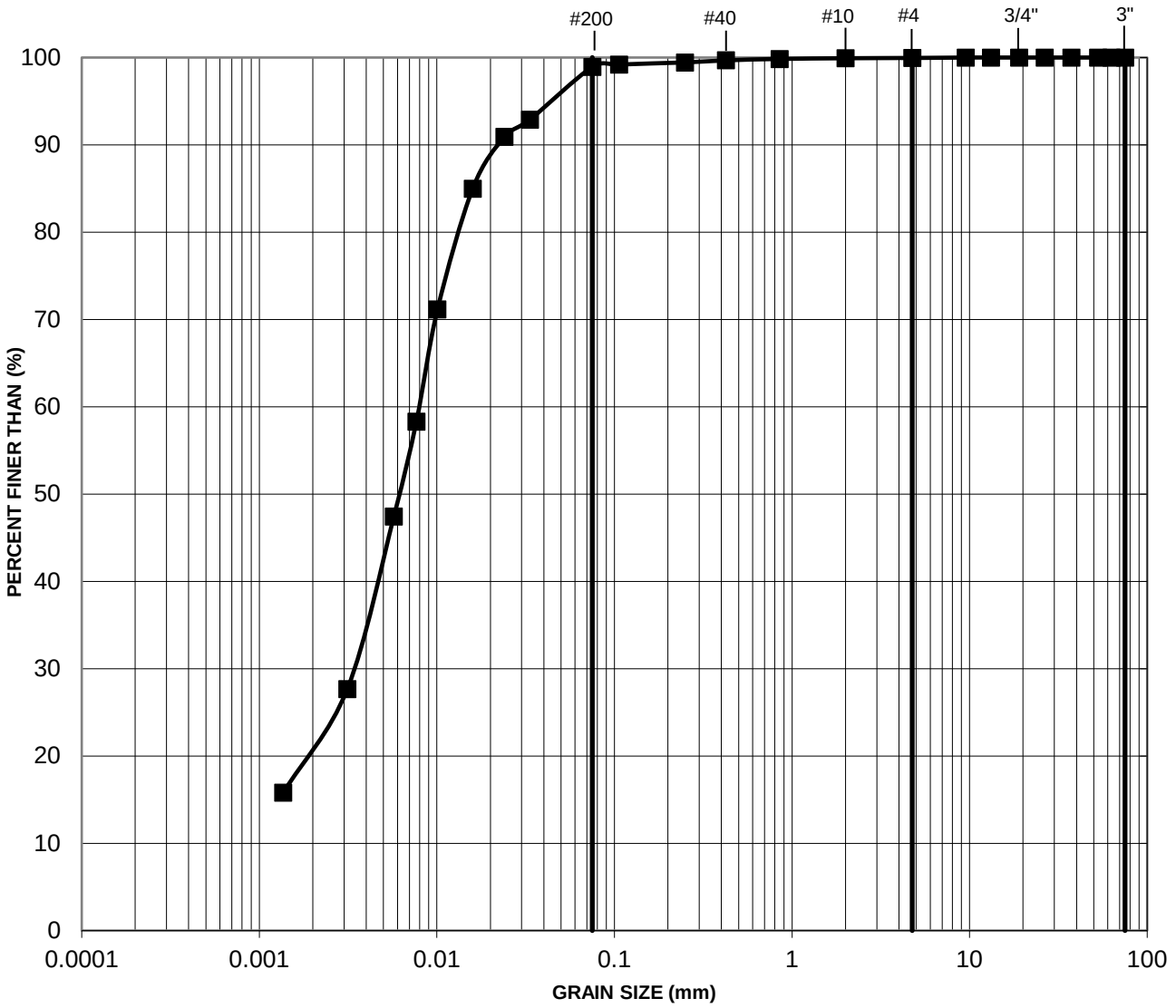


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-LG-BH05	167277	21.5m - 21.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

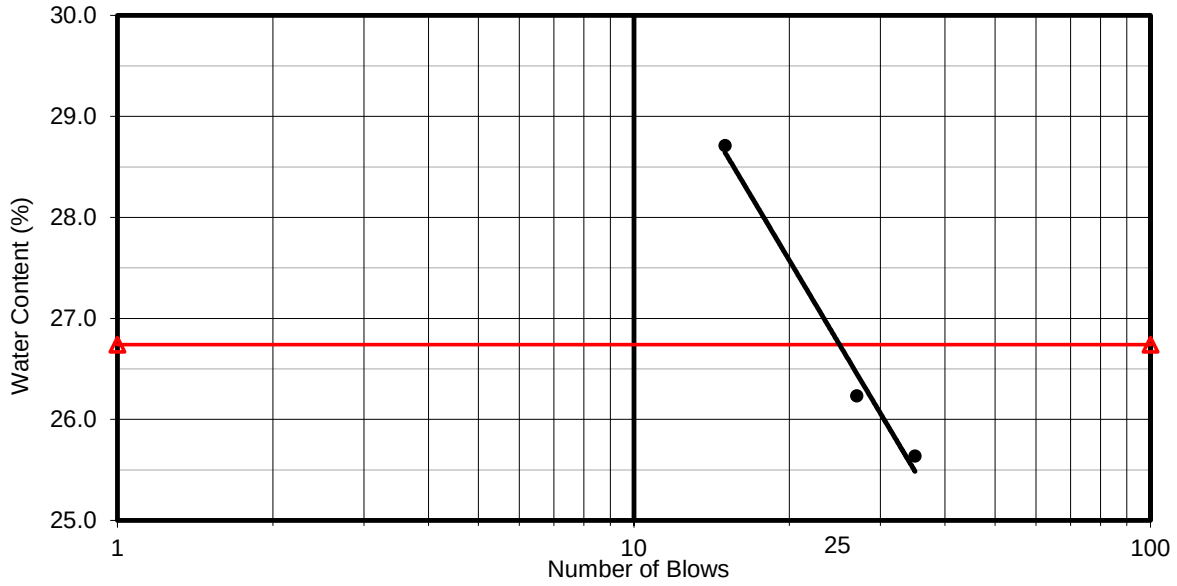
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G304**
Borehole:	**SRK22-LG-BH05**
Sample Number:	**167277**
Depth of Sample:	**21.5m - 21.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	8m	7	1ml			**X**	402	21	
NUMBER OF BLOWS	35	27	15			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	24.21	23.92	29.46			966.55	23.37	21.05	
MASS DRY SOIL + TARE (g)	22.10	21.74	25.98			818.84	21.68	19.60	
MASS OF WATER (g)	2.11	2.18	3.48			147.71	1.69	1.45	
MASS OF CONTAINER (g)	13.87	13.43	13.86			382.81	11.08	11.03	
MASS OF DRY SOIL (g)	8.23	8.31	12.12			436.03	10.60	8.57	
WATER CONTENT W (%)	25.6	26.2	28.7			33.9	15.9	16.9	

LIQUID LIMIT (%)	**26.7**
PLASTIC LIMIT (%)	**16.4**
PLASTICITY INDEX (%)	**10.3**
W NATURAL (%)	**33.9**
LIQUIDITY INDEX	**1.69**

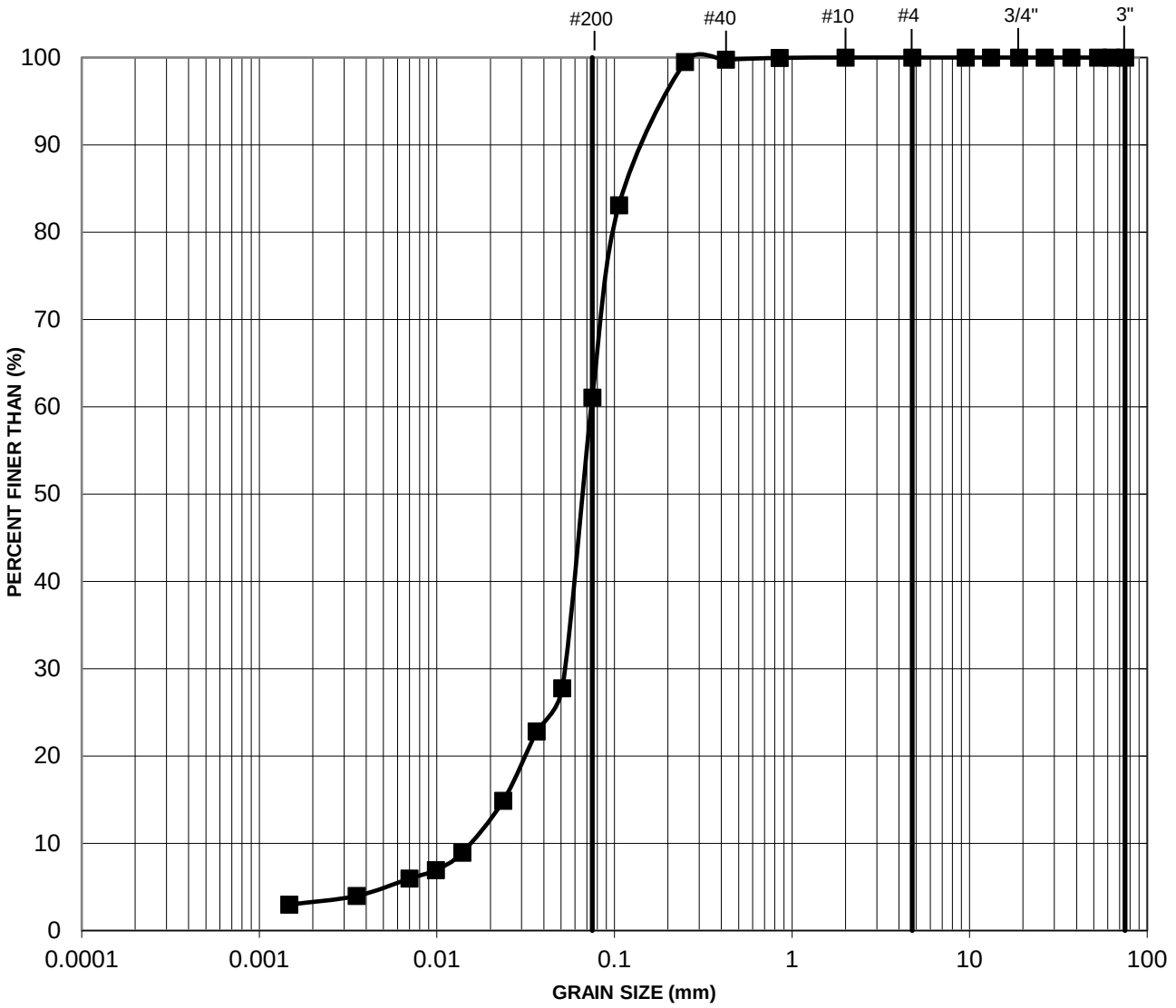


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-NWR-BH07	35259	25.9m - 26.2m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

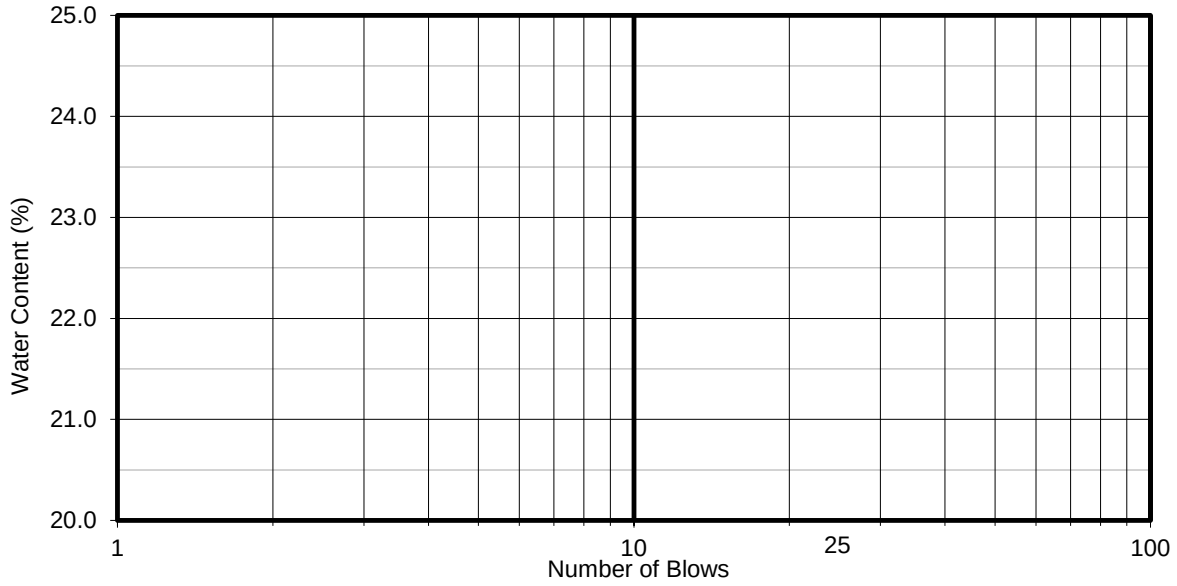
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G305**
Borehole:	**SRK21-NWR-BH07**
Sample Number:	**35259**
Depth of Sample:	**25.9m - 26.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						951.40			
MASS DRY SOIL + TARE (g)						868.08			
MASS OF WATER (g)						83.32			
MASS OF CONTAINER (g)						388.61			
MASS OF DRY SOIL (g)						479.47			
WATER CONTENT W (%)						17.4			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

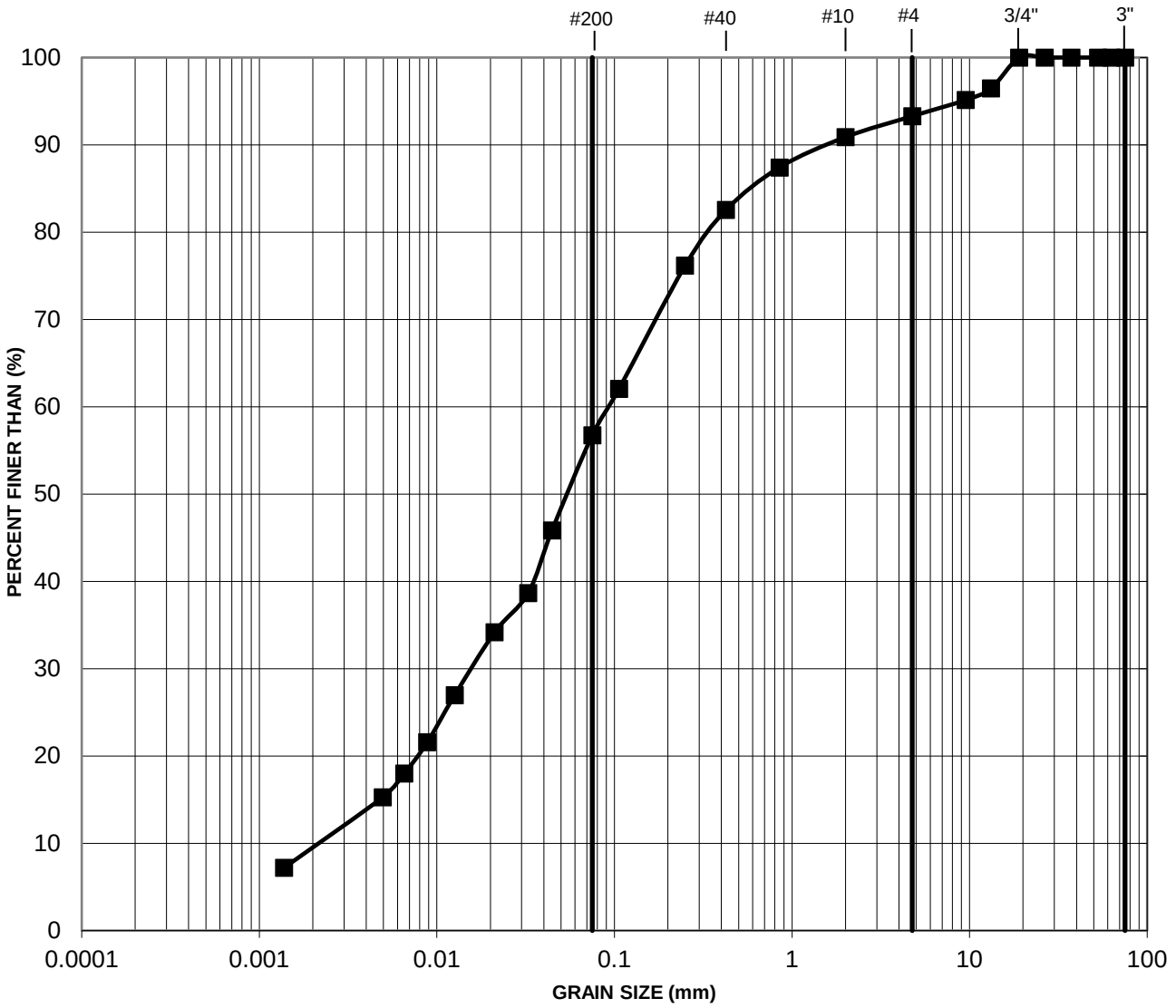


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-NWR-BH07	35264	34.7m - 35.1m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

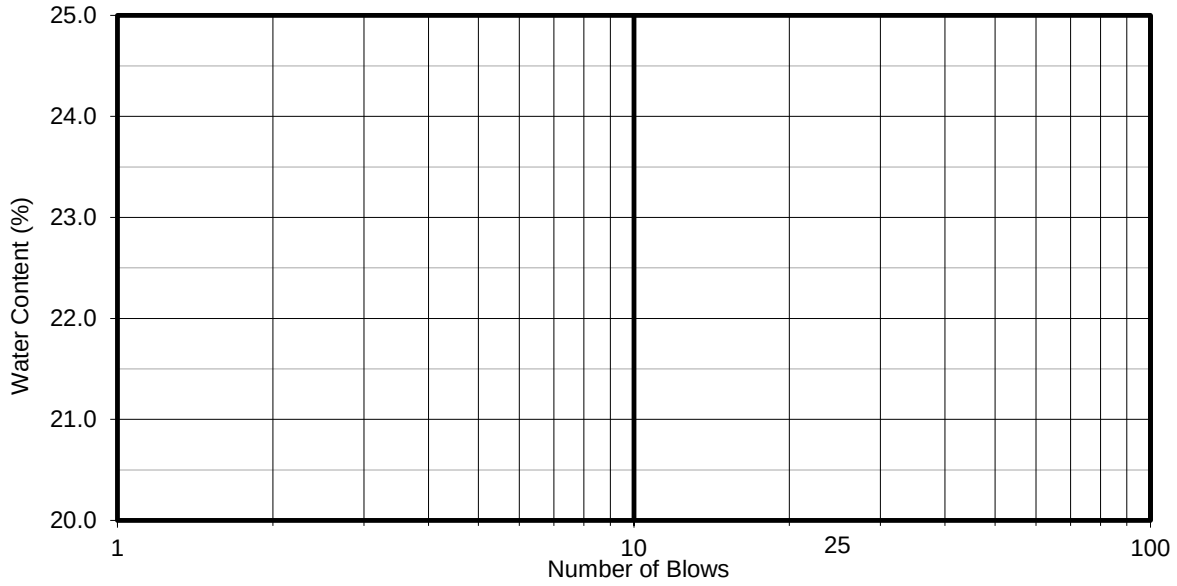
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G306**
Borehole:	**SRK21-NWR-BH07**
Sample Number:	**35264**
Depth of Sample:	**34.7m - 35.1m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						889.08			
MASS DRY SOIL + TARE (g)						857.02			
MASS OF WATER (g)						32.06			
MASS OF CONTAINER (g)						386.01			
MASS OF DRY SOIL (g)						471.01			
WATER CONTENT W (%)						6.8			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

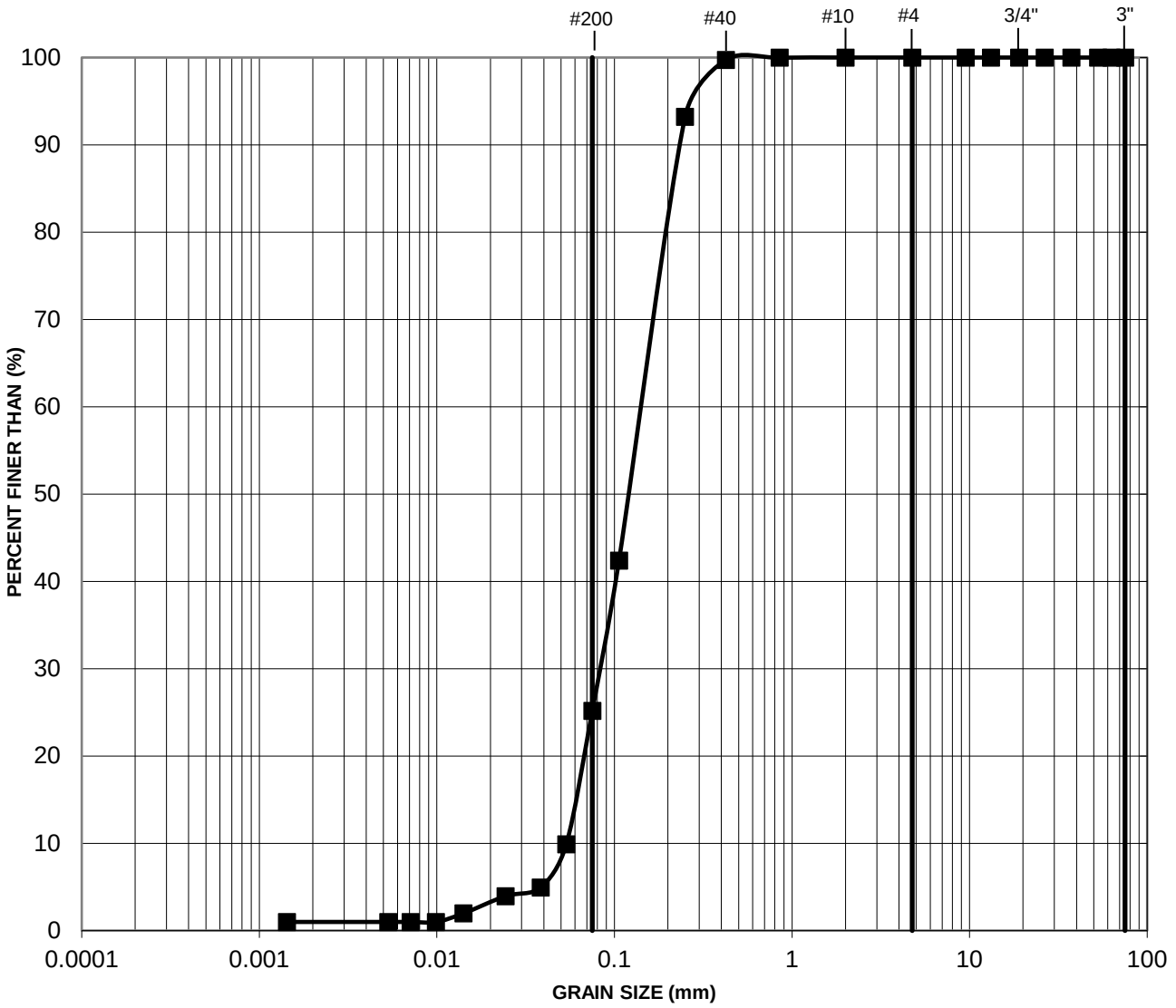


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-PF-BH02	58383	14.9m - 15.5m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

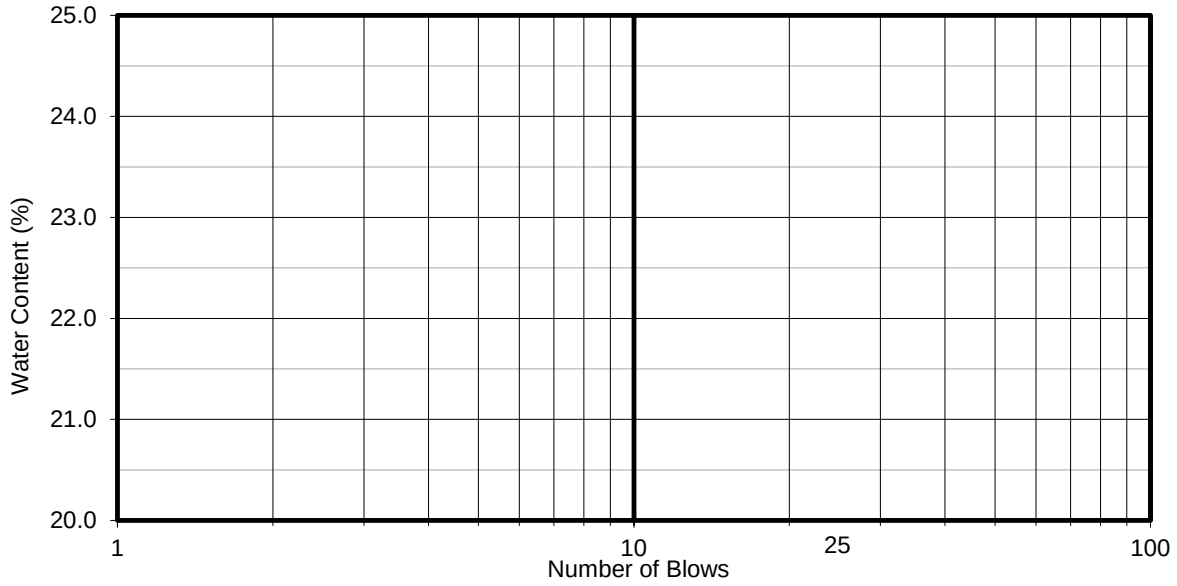
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G308**
Borehole:	**SRK21-PF-BH02**
Sample Number:	**58383**
Depth of Sample:	**14.9m - 15.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						890.62			
MASS DRY SOIL + TARE (g)						803.00			
MASS OF WATER (g)						87.62			
MASS OF CONTAINER (g)						386.23			
MASS OF DRY SOIL (g)						416.77			
WATER CONTENT W (%)						21.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

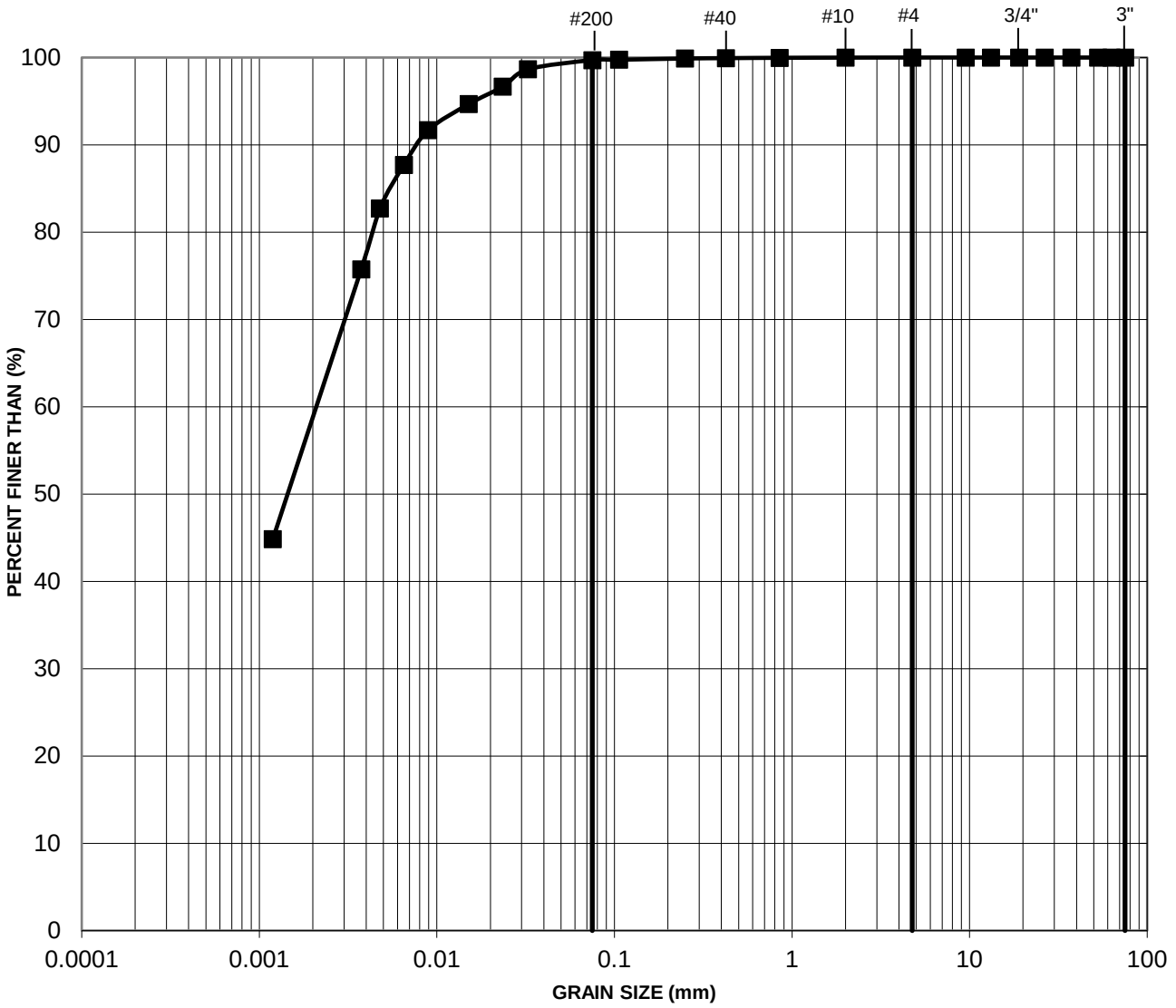


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-PF-BH04	167839	7m - 7.3m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

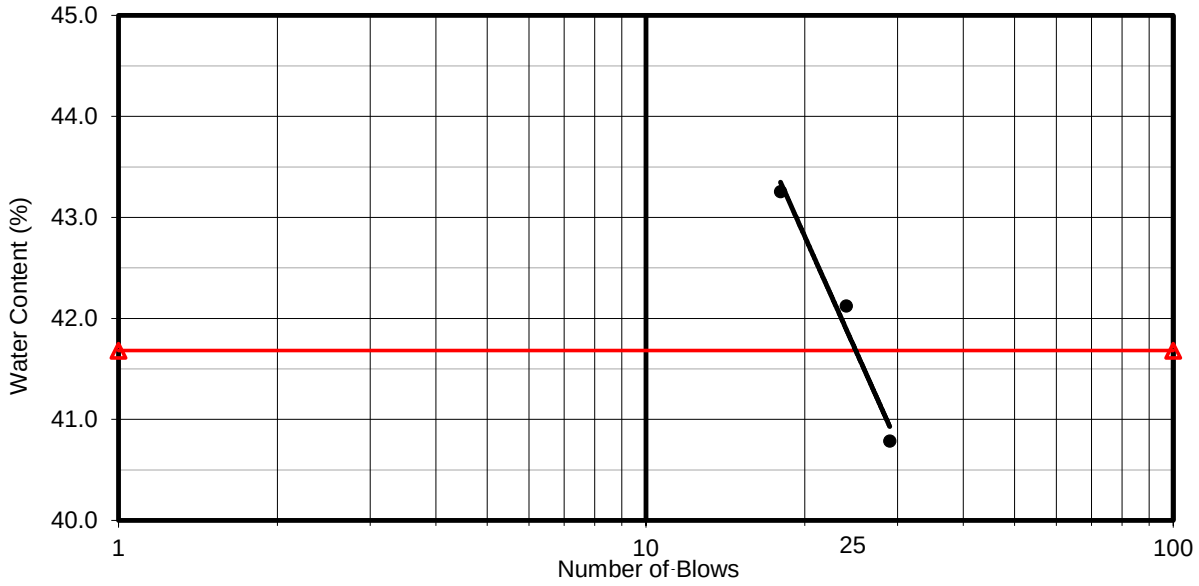
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G309**
Borehole:	**SRK21-PF-BH04**
Sample Number:	**167839**
Depth of Sample:	**7m - 7.3m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	r24	r12	r13			**X**	r24a	6l	
NUMBER OF BLOWS	29	24	18			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	28.15	33.32	30.64			986.69	17.62	22.01	
MASS DRY SOIL + TARE (g)	24.21	27.73	25.67			809.80	15.95	19.62	
MASS OF WATER (g)	3.94	5.59	4.97			176.89	1.67	2.39	
MASS OF CONTAINER (g)	14.55	14.46	14.18			386.23	7.19	7.26	
MASS OF DRY SOIL (g)	9.66	13.27	11.49			423.57	8.76	12.36	
WATER CONTENT W (%)	40.8	42.1	43.3			41.8	19.1	19.3	

LIQUID LIMIT (%)	**41.7**
PLASTIC LIMIT (%)	**19.2**
PLASTICITY INDEX (%)	**22.5**
W NATURAL (%)	**41.8**
LIQUIDITY INDEX	**1.00**

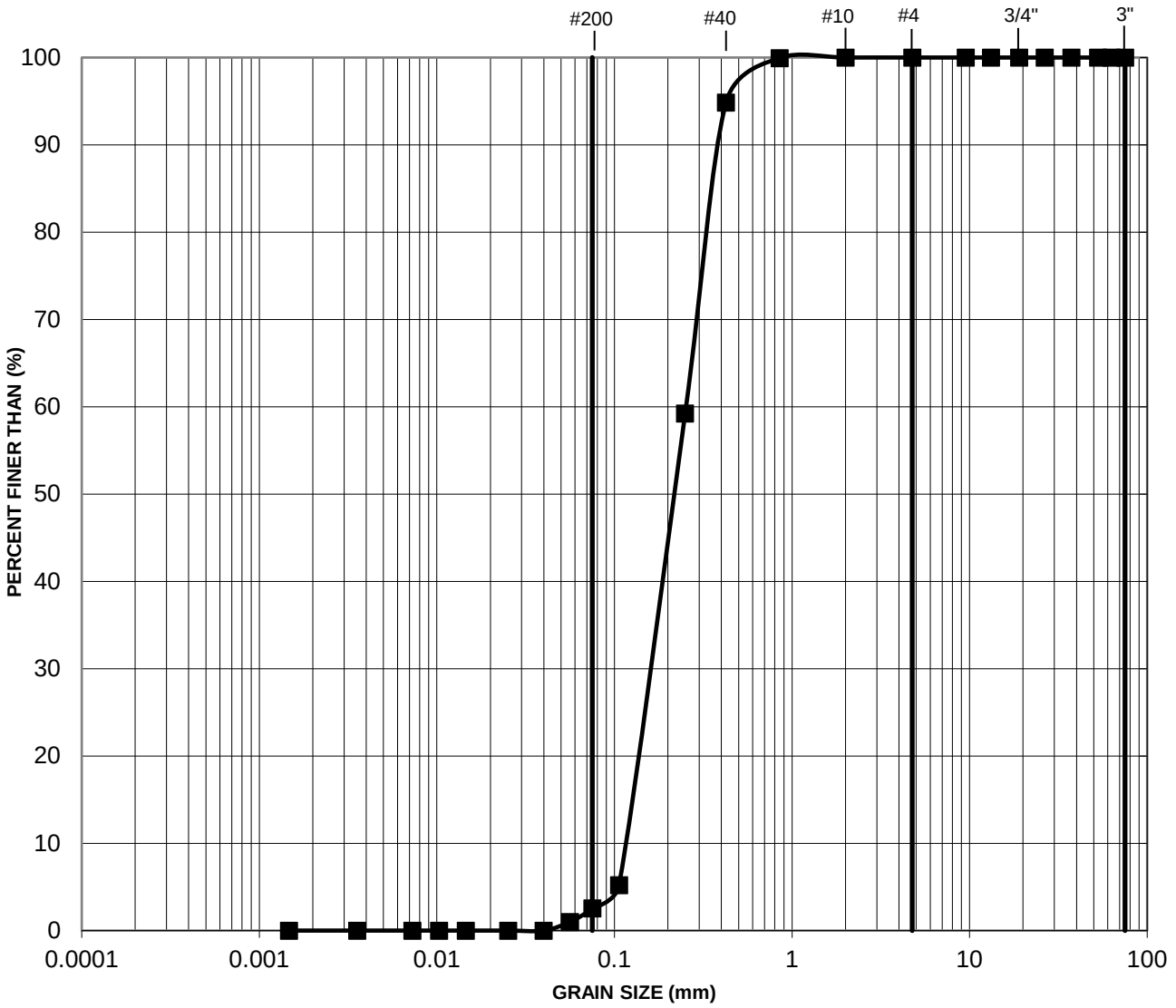


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-PF-BH04	167847	23.8m - 24.4m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

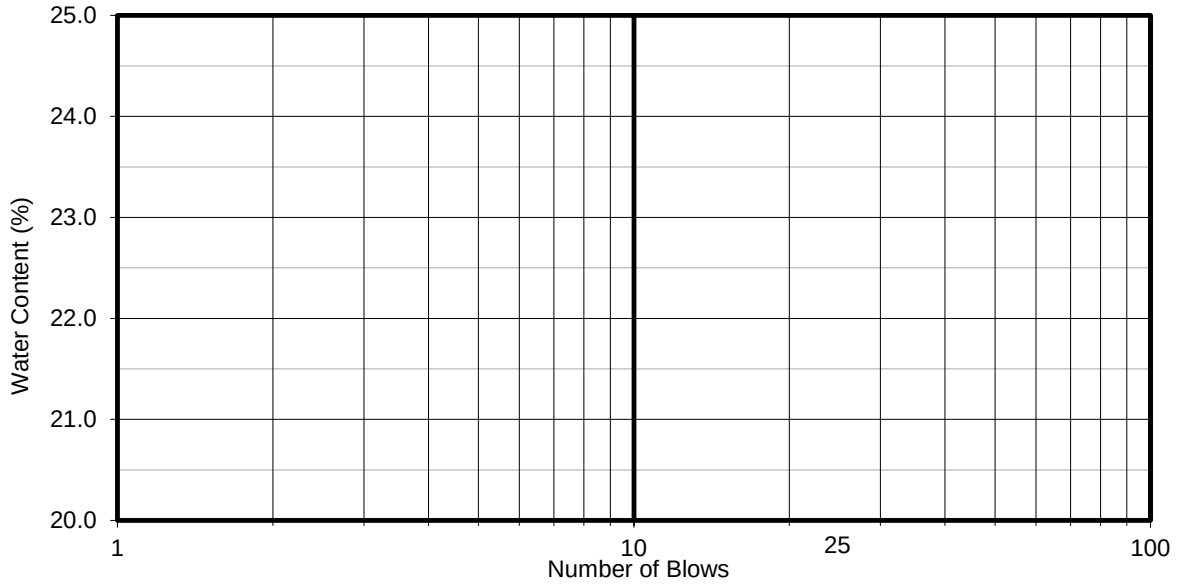
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G310**
Borehole:	**SRK21-PF-BH04**
Sample Number:	**167847**
Depth of Sample:	**23.8m - 24.4m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						774.59			
MASS DRY SOIL + TARE (g)						678.78			
MASS OF WATER (g)						95.81			
MASS OF CONTAINER (g)						241.96			
MASS OF DRY SOIL (g)						436.82			
WATER CONTENT W (%)						21.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

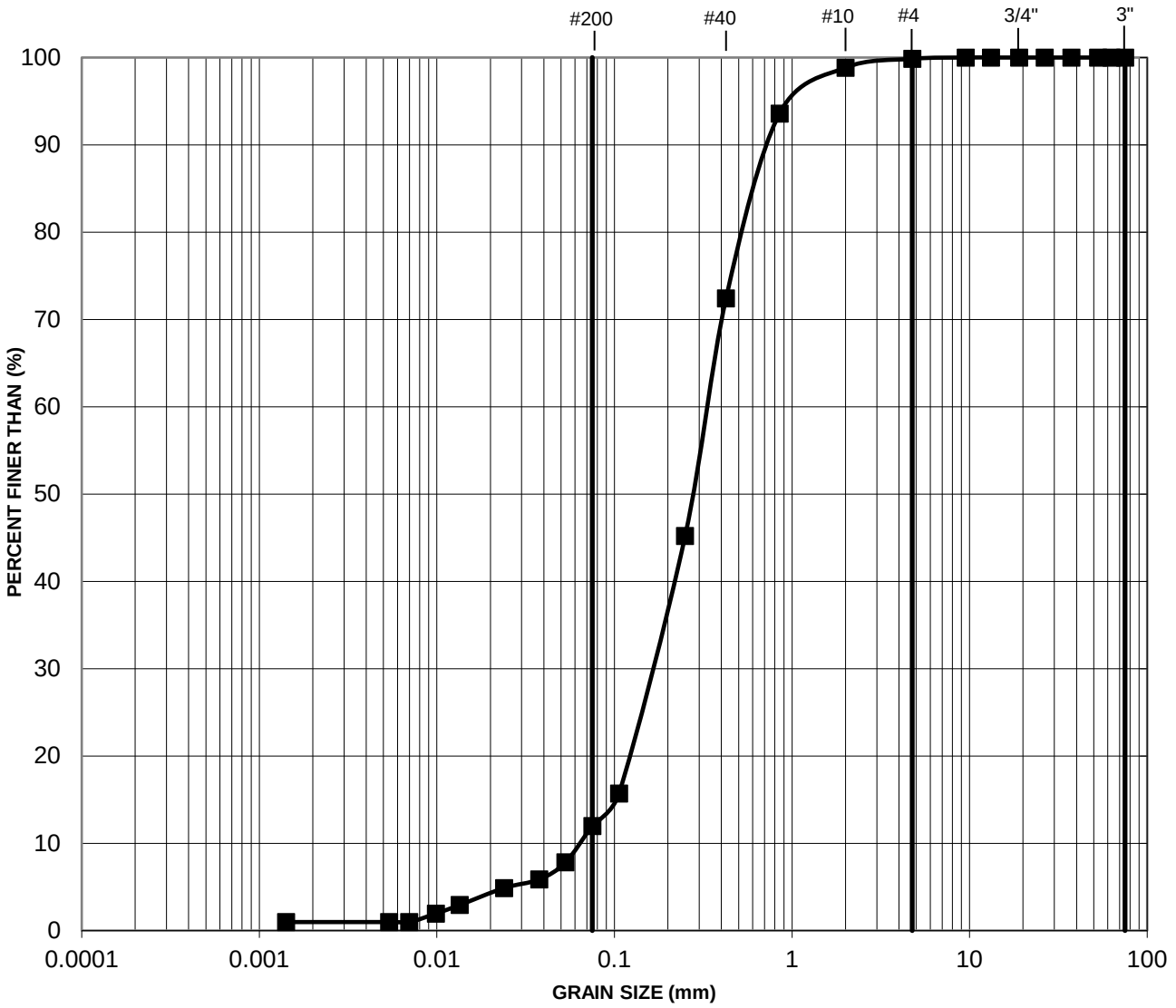


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-PF-BH04	167951	31.4m - 31.7m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

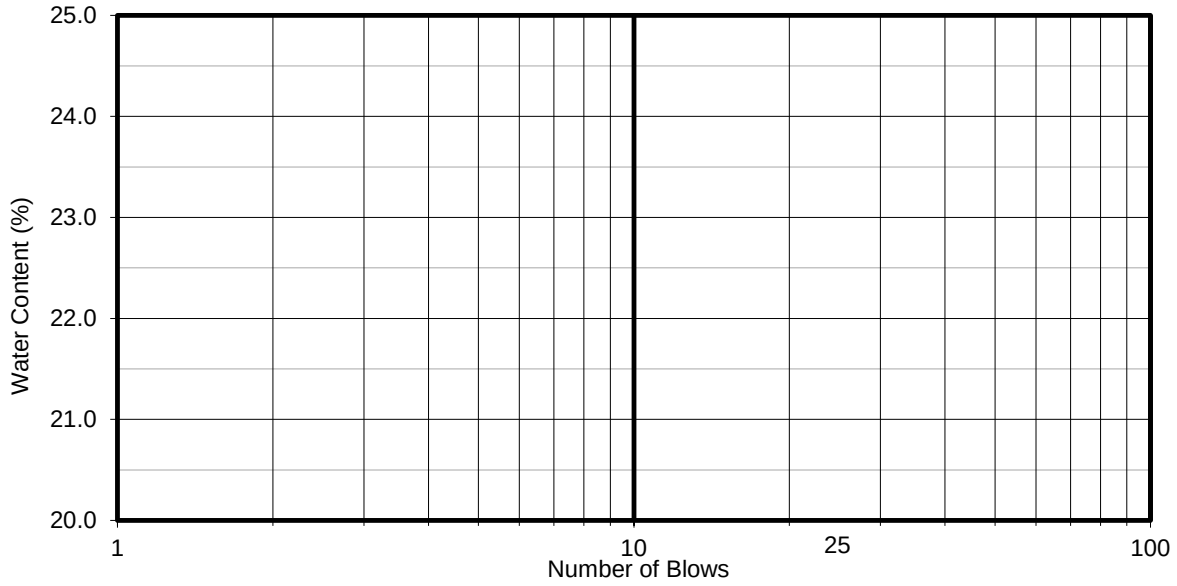
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 18, 2022**
Technician:	**EG**
Lab Number:	**G311**
Borehole:	**SRK21-PF-BH04**
Sample Number:	**167951**
Depth of Sample:	**31.4m - 31.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						751.59			
MASS DRY SOIL + TARE (g)						681.34			
MASS OF WATER (g)						70.25			
MASS OF CONTAINER (g)						243.69			
MASS OF DRY SOIL (g)						437.65			
WATER CONTENT W (%)						16.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

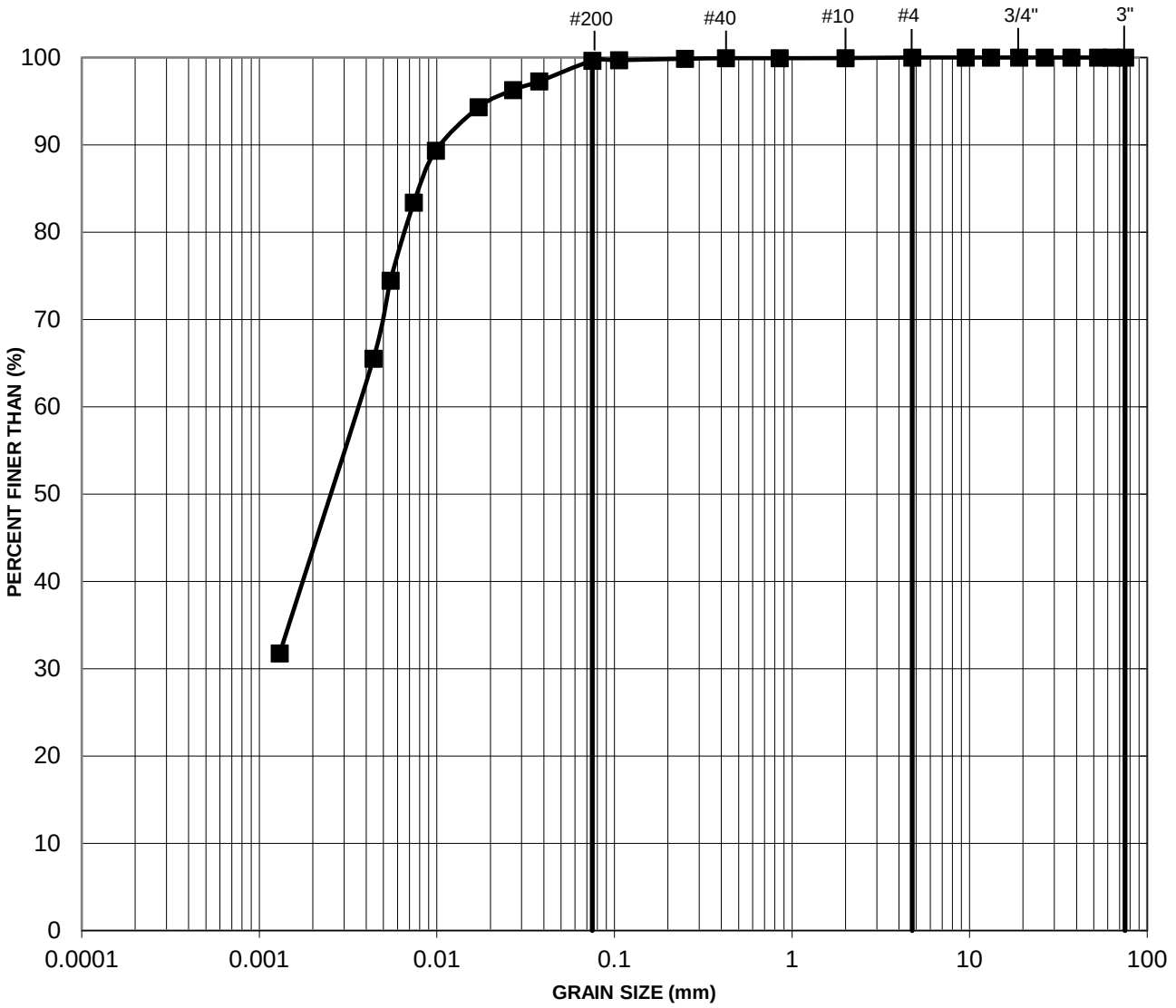


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-PF-BH03	167295	19.5m - 19.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

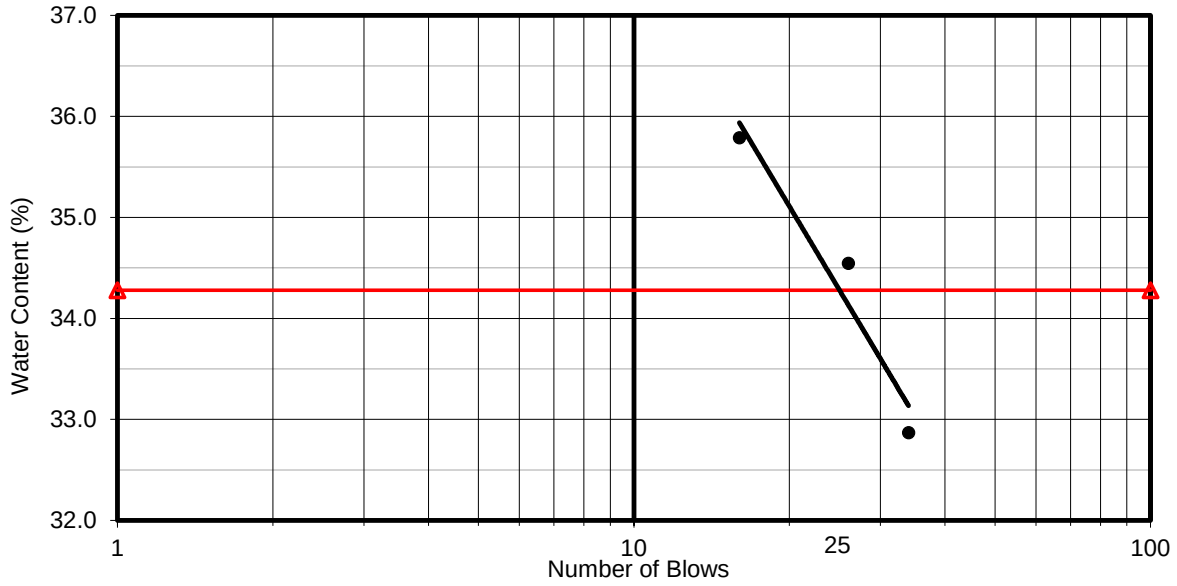
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G313**
Borehole:	**SRK22-PF-BH03**
Sample Number:	**167295**
Depth of Sample:	**19.5m - 19.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7m	r2	mr13			**X**	11	66	
NUMBER OF BLOWS	34	26	16			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	25.04	24.27	24.98			777.21	23.71	21.88	
MASS DRY SOIL + TARE (g)	22.20	21.61	21.97			639.64	21.72	20.20	
MASS OF WATER (g)	2.84	2.66	3.01			137.57	1.99	1.68	
MASS OF CONTAINER (g)	13.56	13.91	13.56			242.39	10.86	11.01	
MASS OF DRY SOIL (g)	8.64	7.70	8.41			397.25	10.86	9.19	
WATER CONTENT W (%)	32.9	34.5	35.8			34.6	18.3	18.3	

LIQUID LIMIT (%)	**34.3**
PLASTIC LIMIT (%)	**18.3**
PLASTICITY INDEX (%)	**16.0**
W NATURAL (%)	**34.6**
LIQUIDITY INDEX	**1.02**

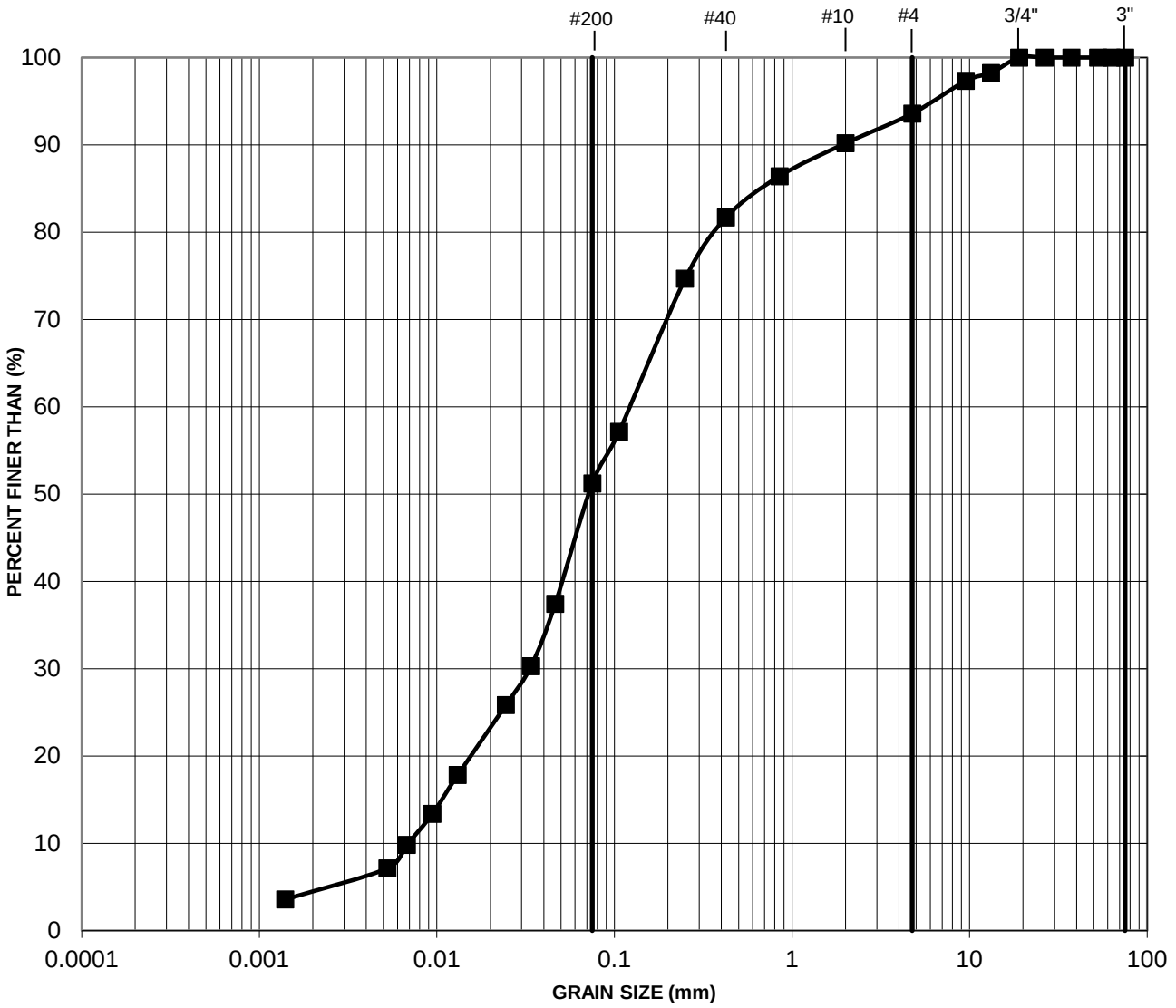


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-PF-BH03	167299	35.7m - 36m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

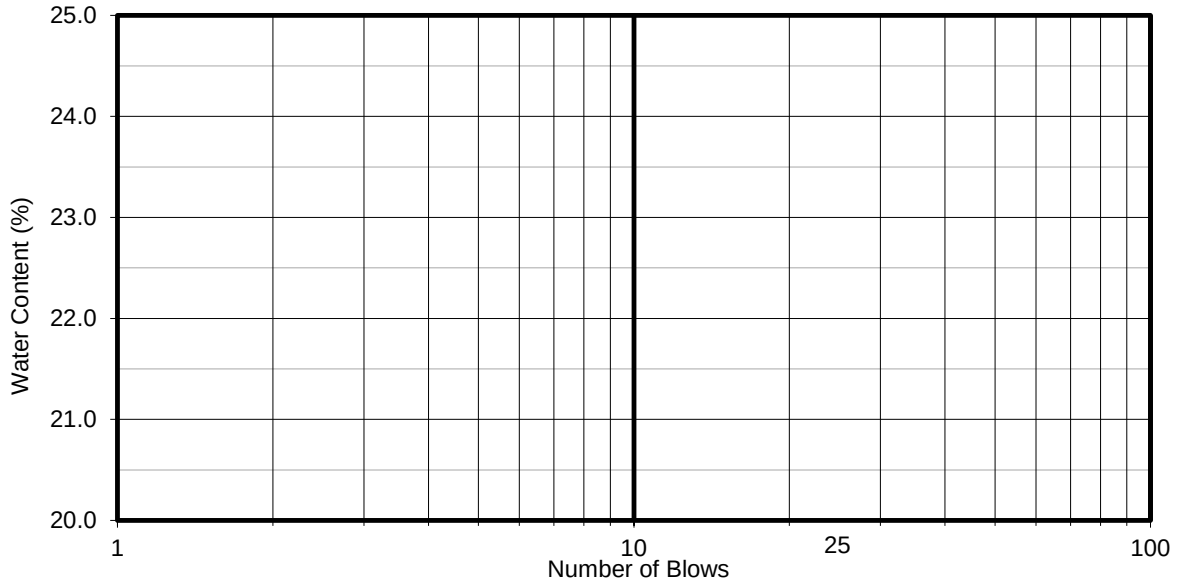
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G314**
Borehole:	**SRK22-PF-BH03**
Sample Number:	**167299**
Depth of Sample:	**35.7m - 36m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						759.59			
MASS DRY SOIL + TARE (g)						724.46			
MASS OF WATER (g)						35.13			
MASS OF CONTAINER (g)						235.06			
MASS OF DRY SOIL (g)						489.40			
WATER CONTENT W (%)						7.2			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

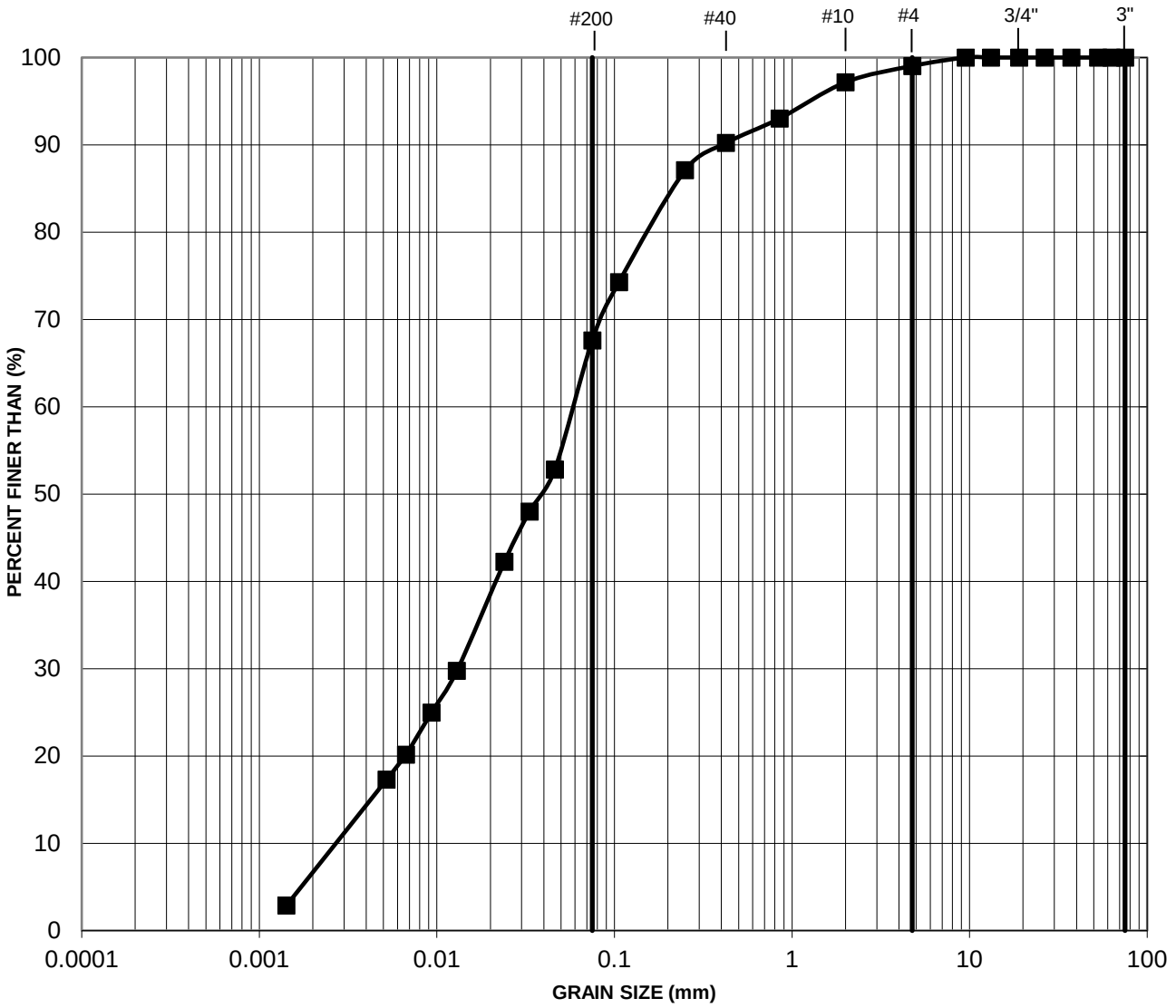


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-PF-BH03	168202	43.9m - 44.2m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

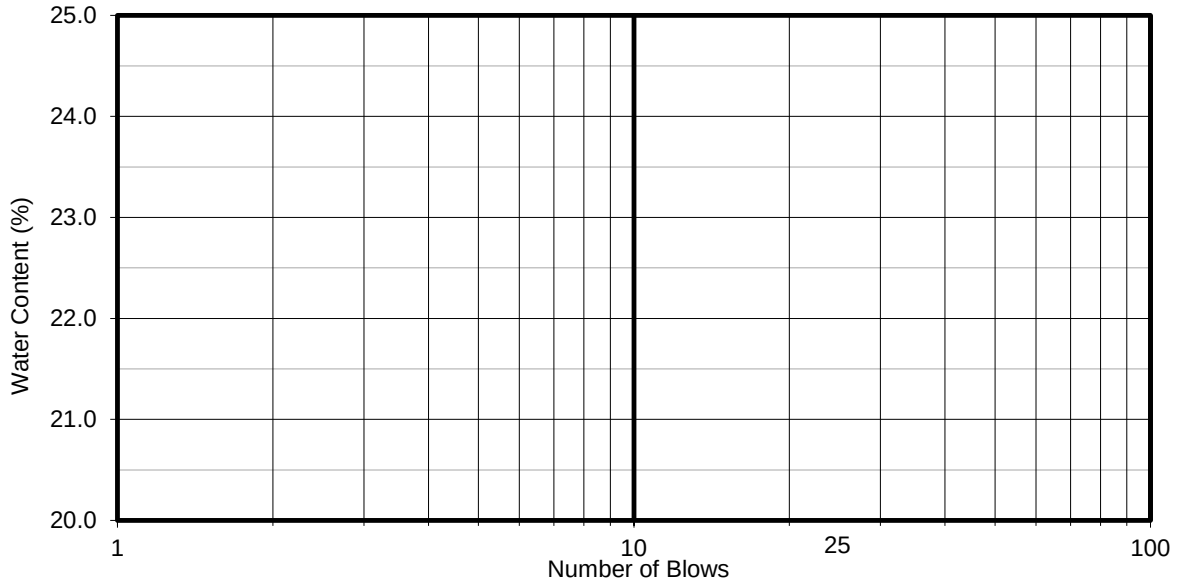
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G315**
Borehole:	**SRK22-PF-BH03**
Sample Number:	**168202**
Depth of Sample:	**43.9m - 44.2m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						780.14			
MASS DRY SOIL + TARE (g)						740.13			
MASS OF WATER (g)						40.01			
MASS OF CONTAINER (g)						245.20			
MASS OF DRY SOIL (g)						494.93			
WATER CONTENT W (%)						8.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

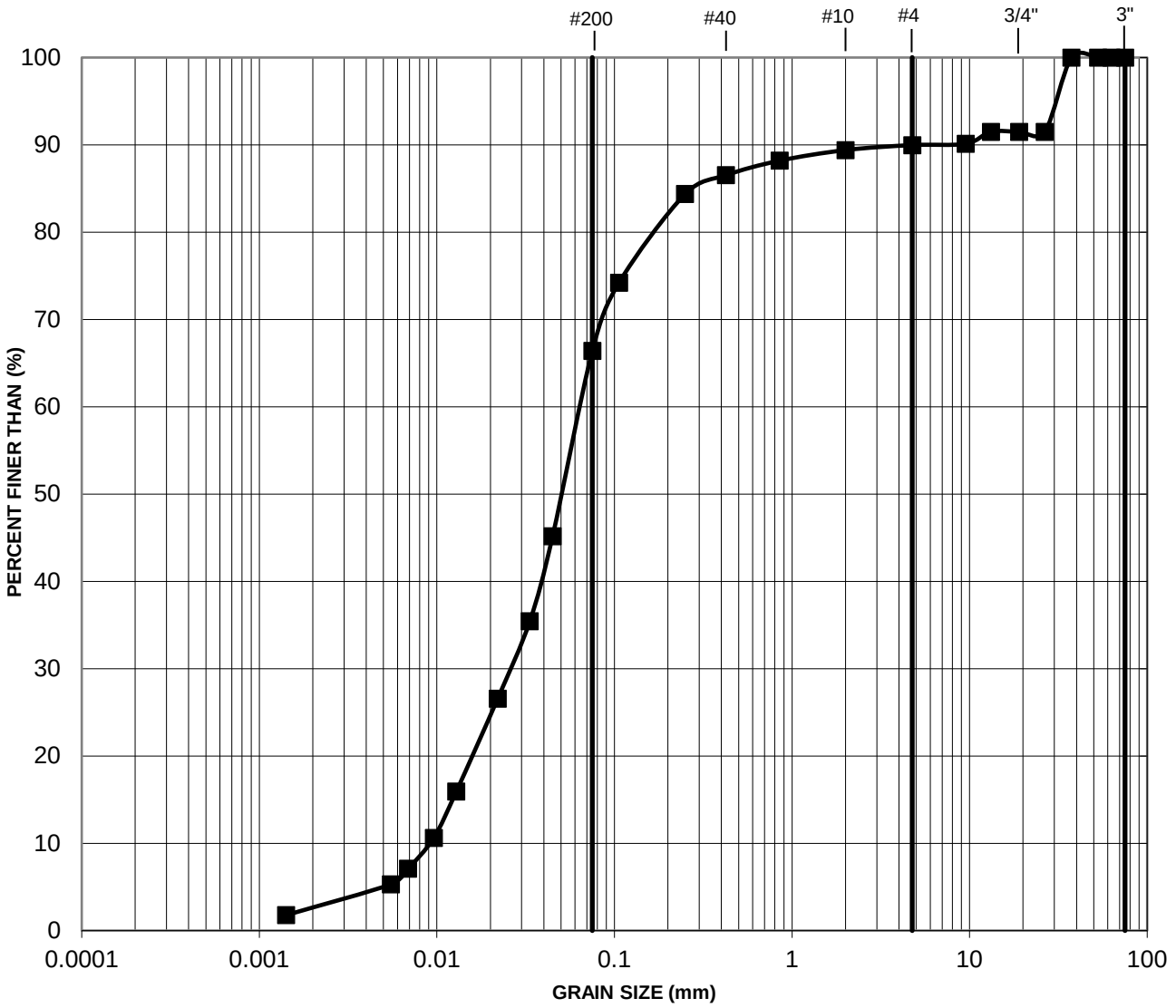


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-SOS-BH-02	167073	28.3m - 28.7m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

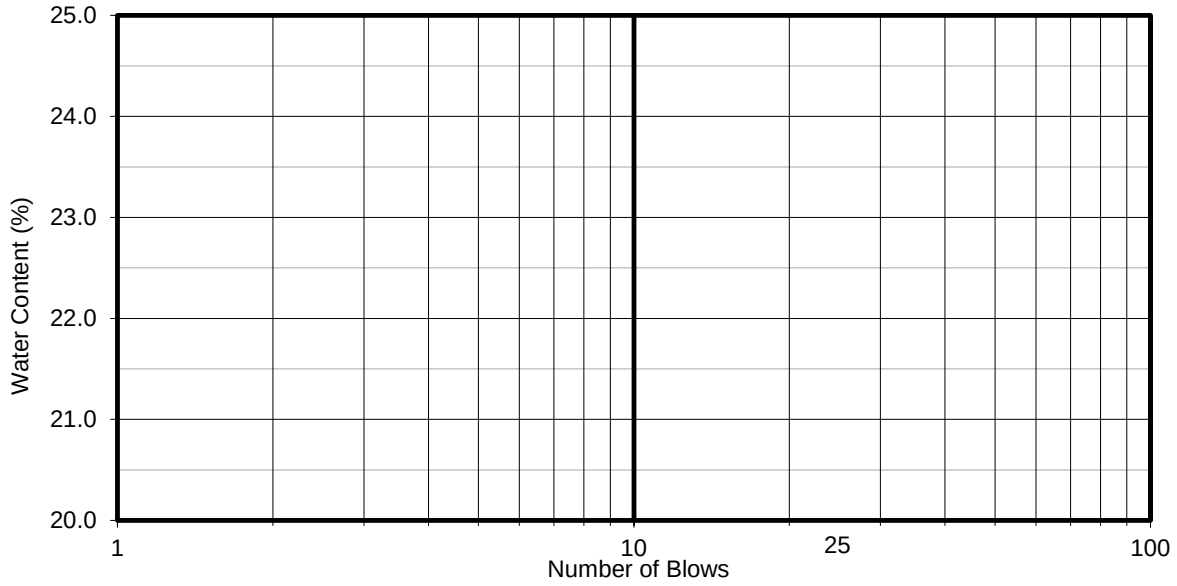
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G316**
Borehole:	**SRK22-SOS-BH-02**
Sample Number:	**167073**
Depth of Sample:	**28.3m - 28.7m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						836.15			
MASS DRY SOIL + TARE (g)						775.30			
MASS OF WATER (g)						60.85			
MASS OF CONTAINER (g)						270.09			
MASS OF DRY SOIL (g)						505.21			
WATER CONTENT W (%)						12.0			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

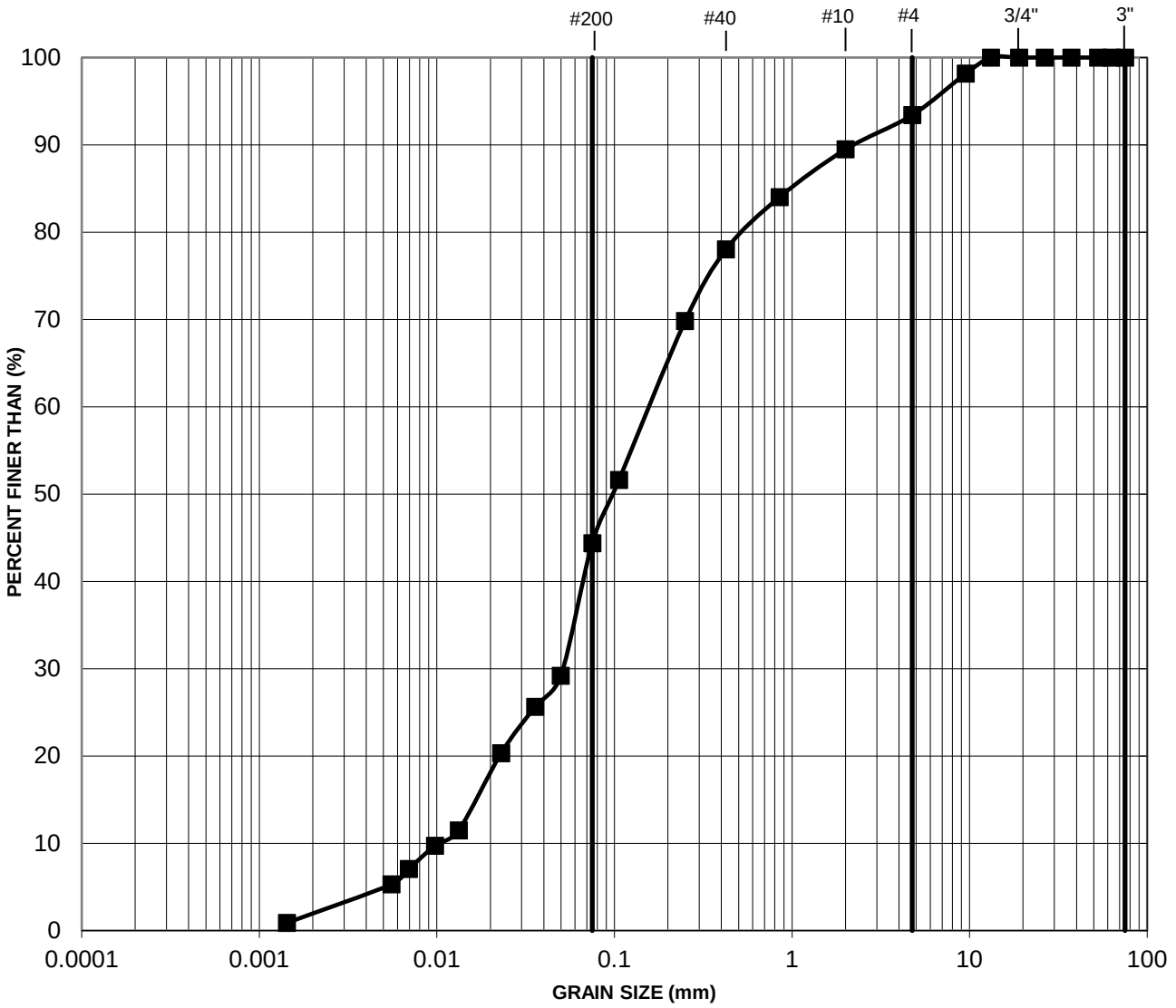


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-SOS-BH-02	167079	43.3m - 43.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

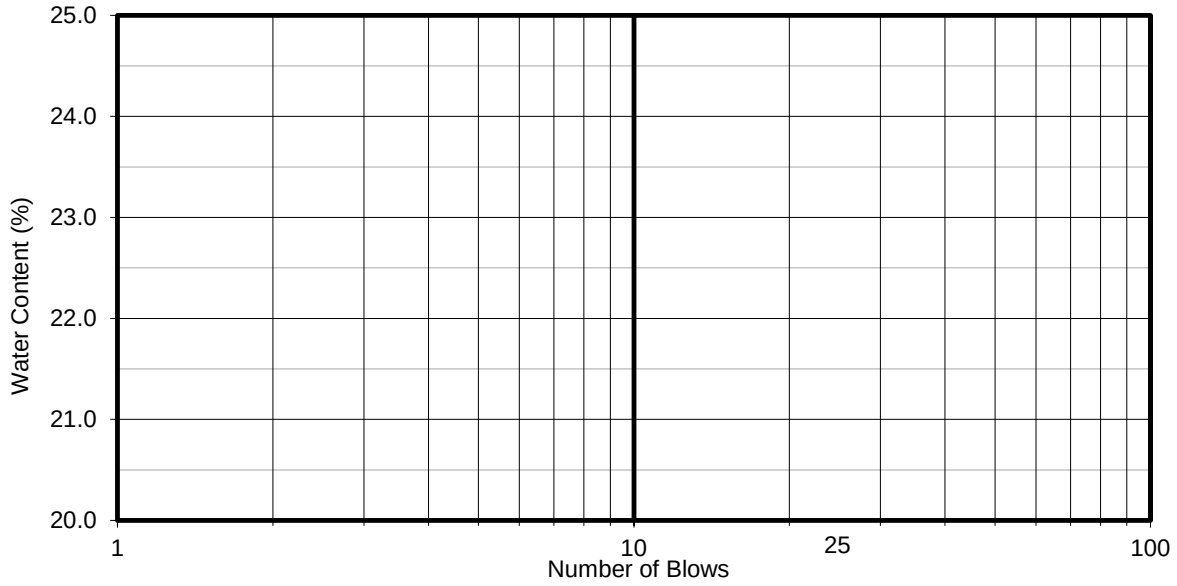
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G317**
Borehole:	**SRK22-SOS-BH-02**
Sample Number:	**167079**
Depth of Sample:	**43.3m - 43.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						783.34			
MASS DRY SOIL + TARE (g)						741.31			
MASS OF WATER (g)						42.03			
MASS OF CONTAINER (g)						266.76			
MASS OF DRY SOIL (g)						474.55			
WATER CONTENT W (%)						8.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

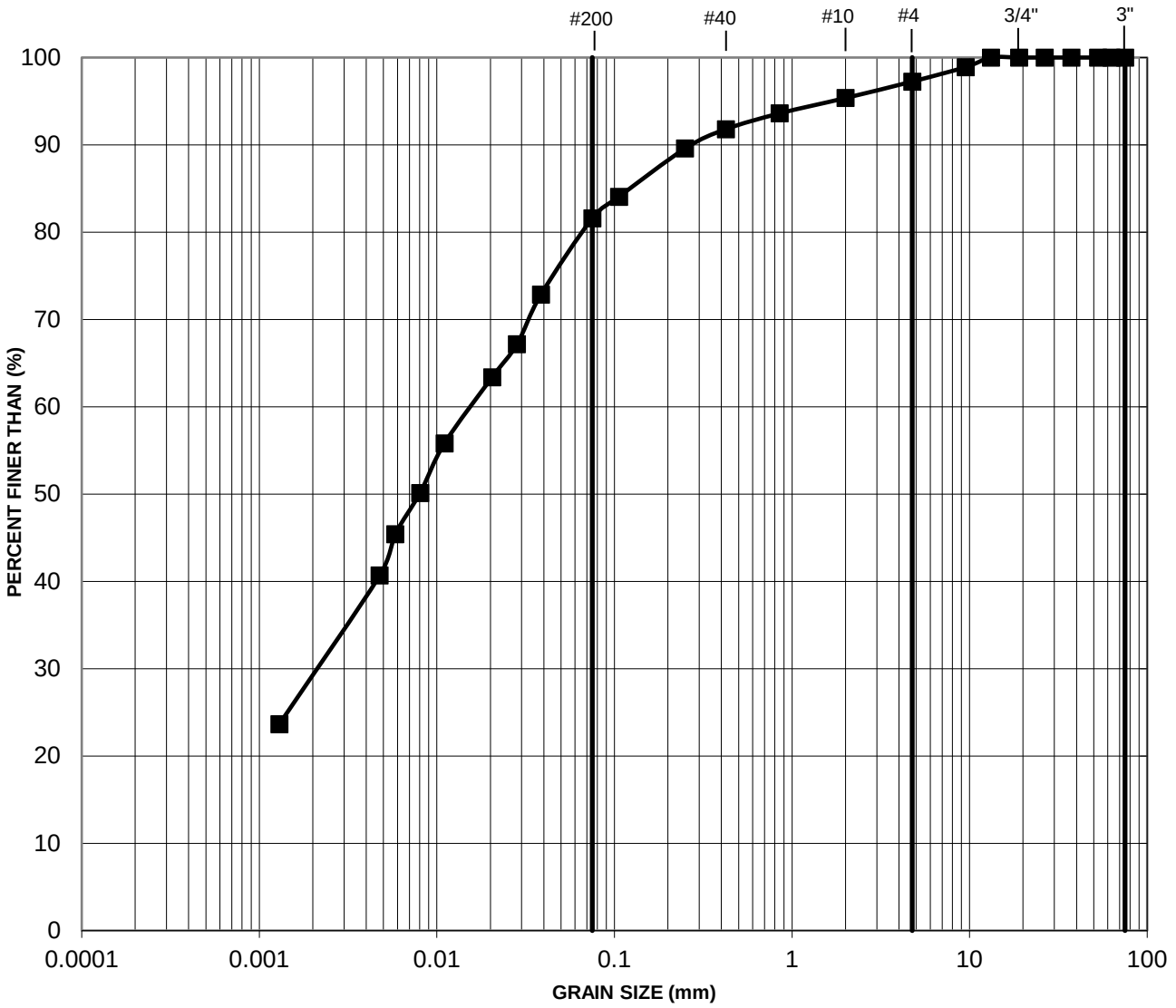


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-WRD-BH16	167979	7.3m - 7.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

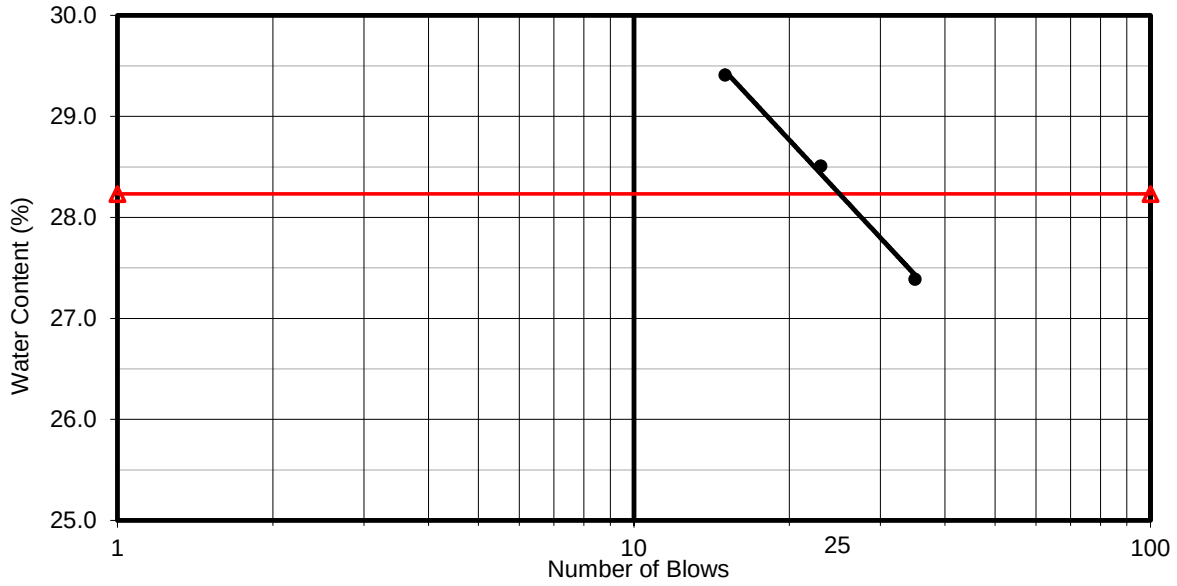
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 20, 2022**
Technician:	**EG**
Lab Number:	**G318**
Borehole:	**SRK21-WRD-BH16**
Sample Number:	**167979**
Depth of Sample:	**7.3m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	ab16	r4	r21			**X**	14	10	
NUMBER OF BLOWS	35	23	15			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	26.33	26.16	25.81			754.27	22.05	23.21	
MASS DRY SOIL + TARE (g)	23.58	23.46	23.21			671.54	20.73	21.80	
MASS OF WATER (g)	2.75	2.70	2.60			82.73	1.32	1.41	
MASS OF CONTAINER (g)	13.54	13.99	14.37			247.30	11.14	11.11	
MASS OF DRY SOIL (g)	10.04	9.47	8.84			424.24	9.59	10.69	
WATER CONTENT W (%)	27.4	28.5	29.4			19.5	13.8	13.2	

LIQUID LIMIT (%)	**28.2**
PLASTIC LIMIT (%)	**13.5**
PLASTICITY INDEX (%)	**14.8**
W NATURAL (%)	**19.5**
LIQUIDITY INDEX	**0.41**

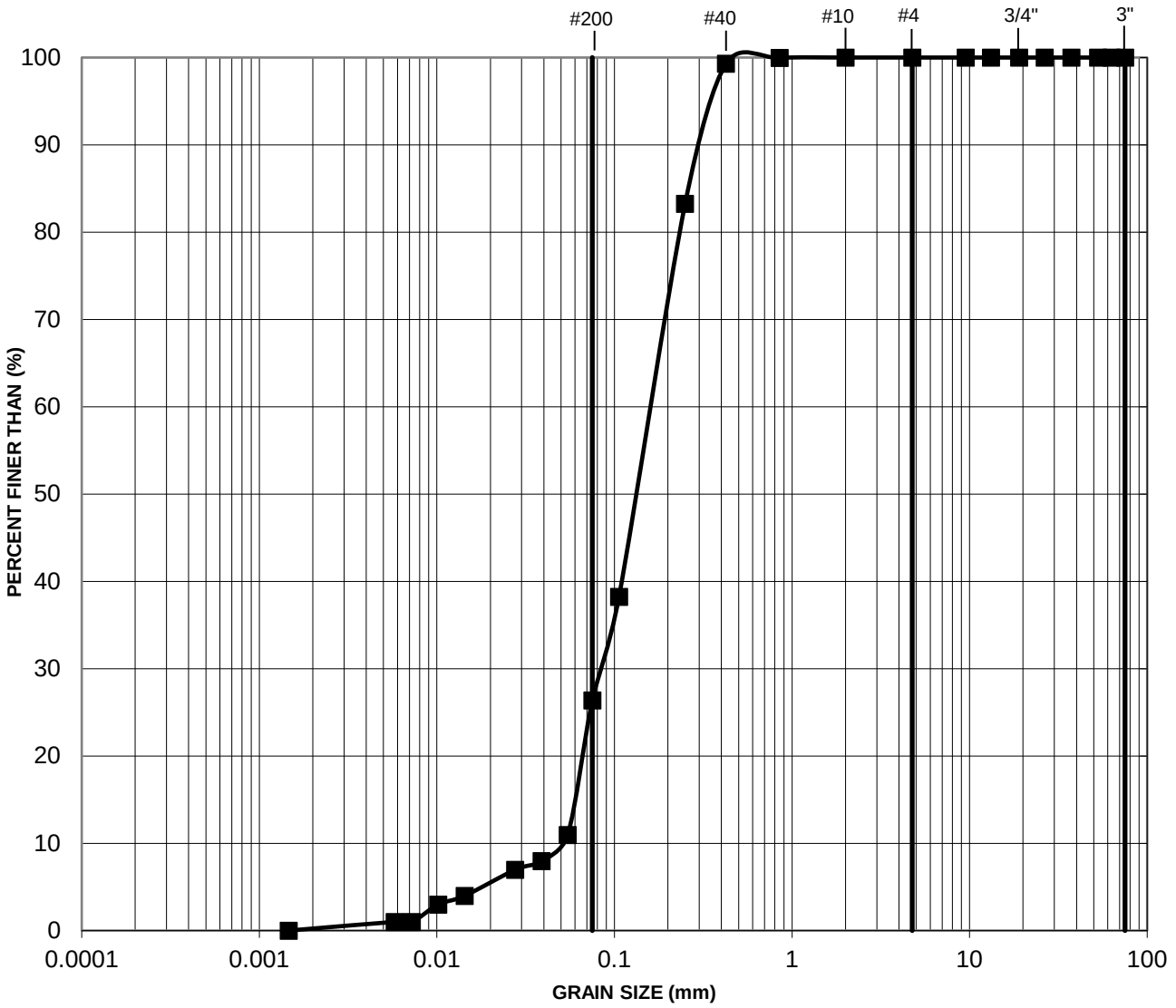


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-WOS-BH-01	167396	25.6m - 25.9m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

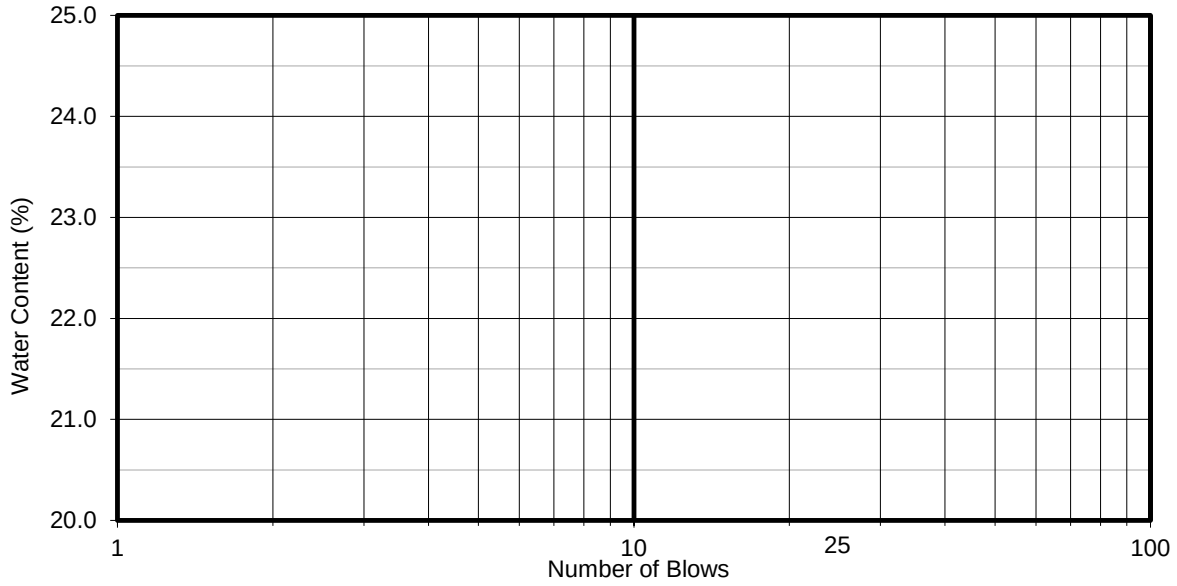
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 19, 2022**
Technician:	**EG**
Lab Number:	**G320**
Borehole:	**SRK22-WOS-BH-01**
Sample Number:	**167396**
Depth of Sample:	**25.6m - 25.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						776.51			
MASS DRY SOIL + TARE (g)						697.22			
MASS OF WATER (g)						79.29			
MASS OF CONTAINER (g)						341.91			
MASS OF DRY SOIL (g)						355.31			
WATER CONTENT W (%)						22.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

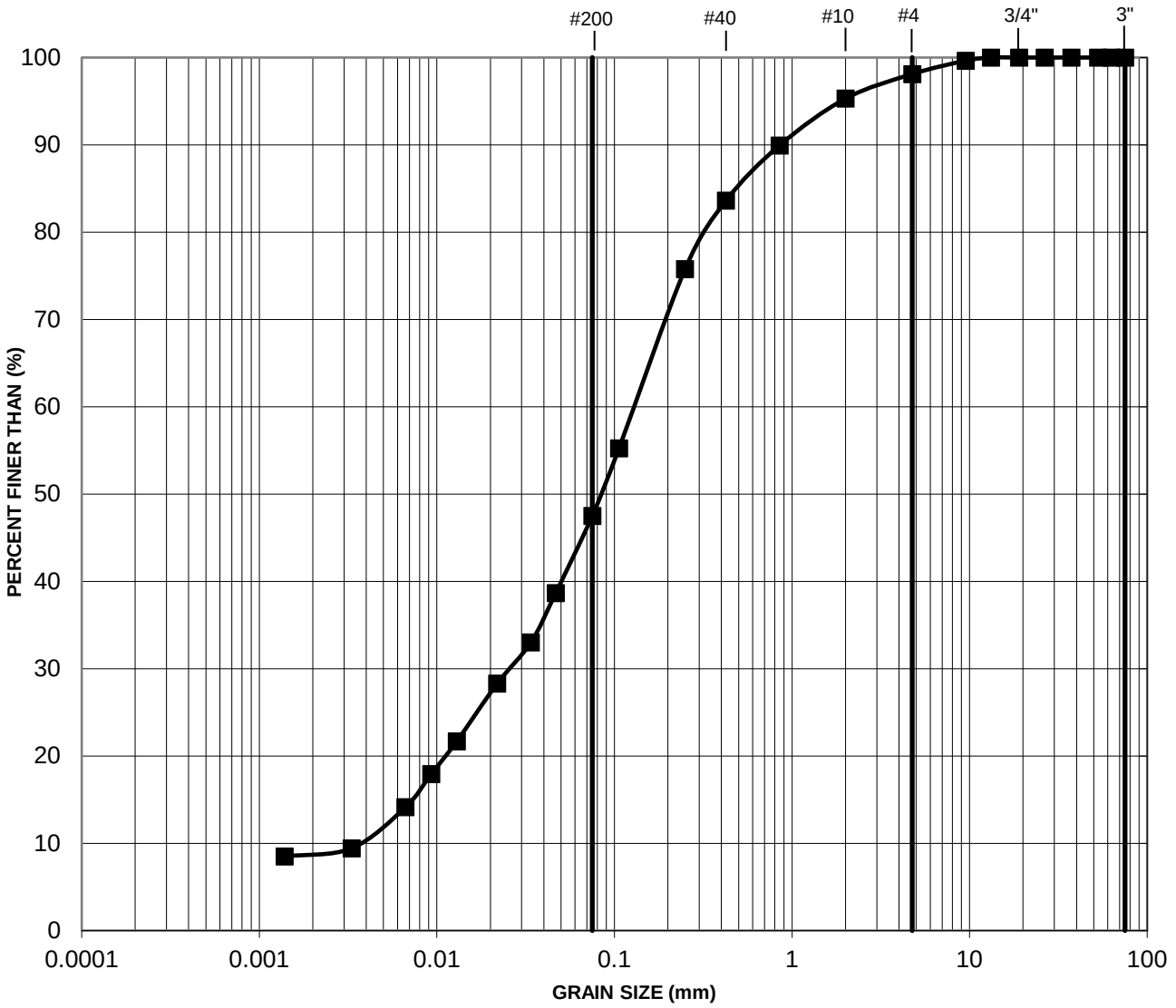


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-WOS-BH-01	167399	29.9m - 30.5m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

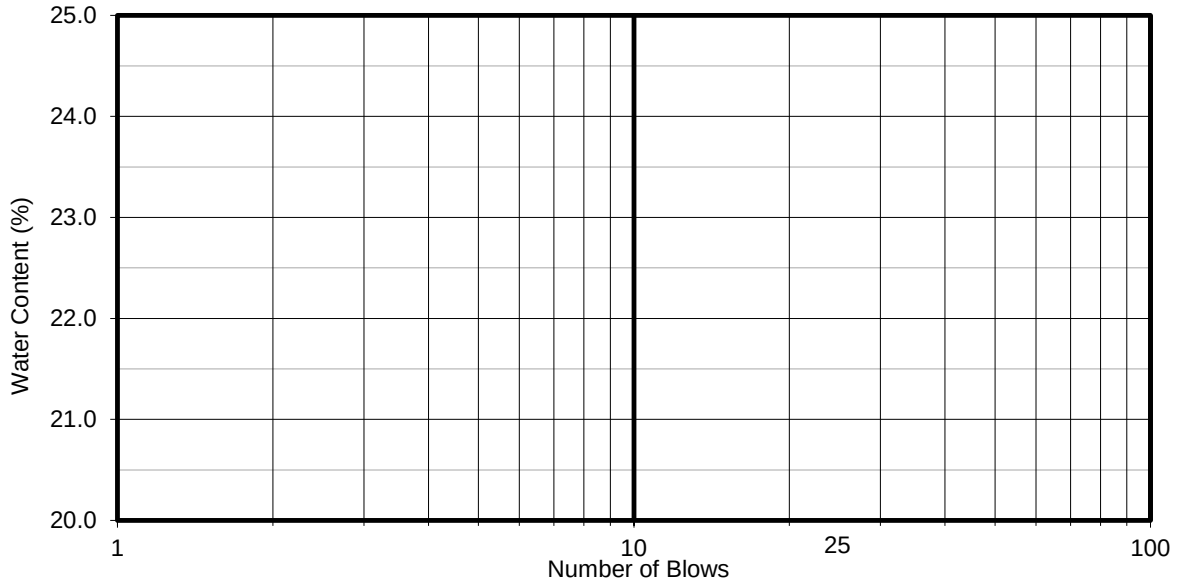
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 20, 2022**
Technician:	**EG**
Lab Number:	**G321**
Borehole:	**SRK22-WOS-BH-01**
Sample Number:	**167399**
Depth of Sample:	**29.9m - 30.5m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						765.63			
MASS DRY SOIL + TARE (g)						717.82			
MASS OF WATER (g)						47.81			
MASS OF CONTAINER (g)						250.97			
MASS OF DRY SOIL (g)						466.85			
WATER CONTENT W (%)						10.2			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

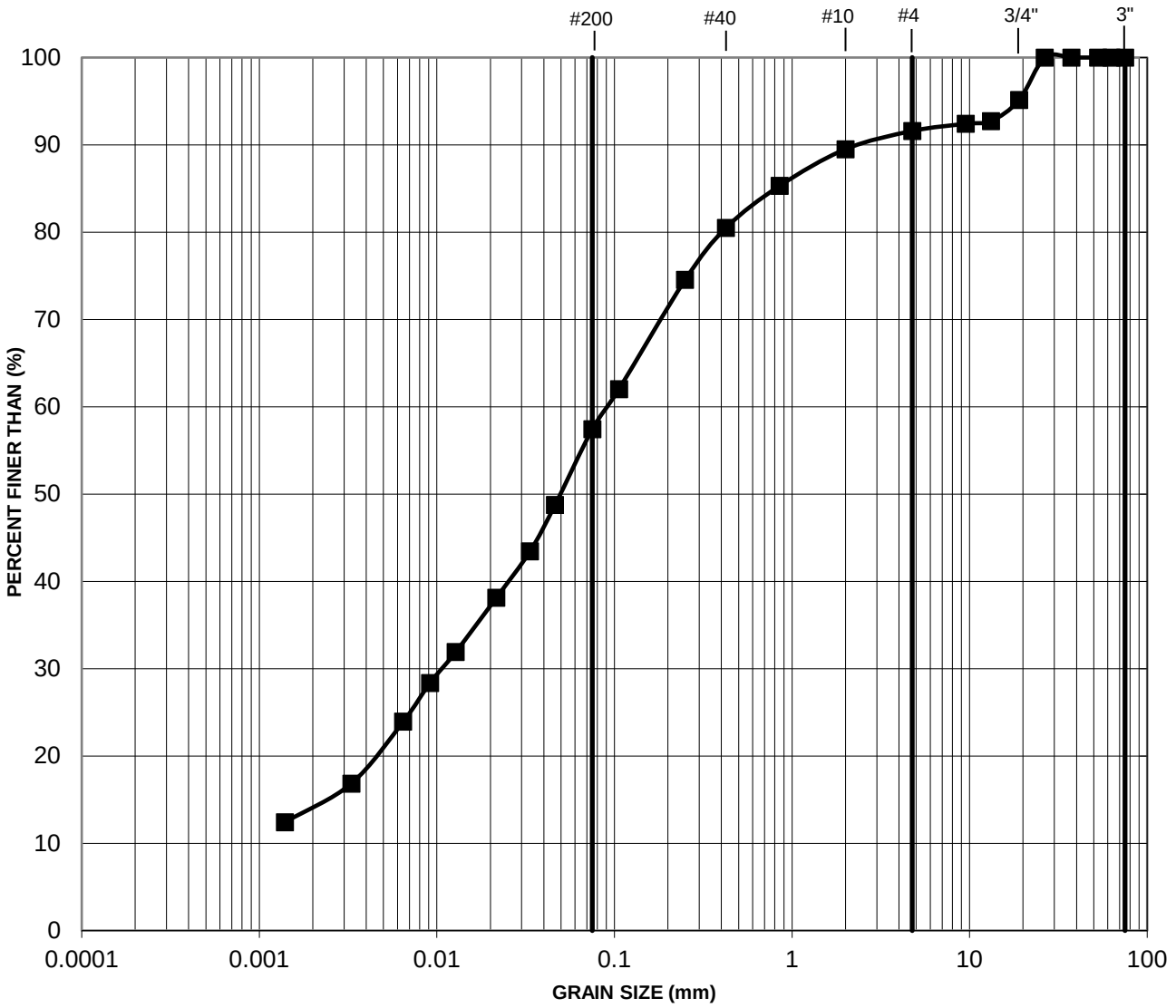


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-HG-BH-03	167260	36.3m - 36.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

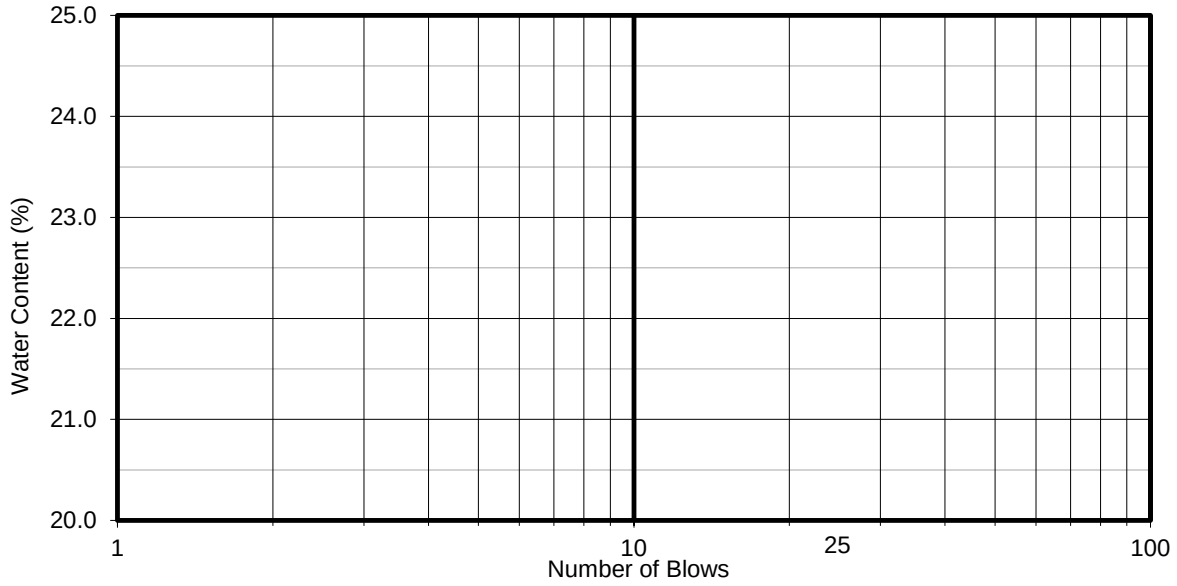
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 20, 2022**
Technician:	**EG**
Lab Number:	**G322**
Borehole:	**SRK22-HG-BH-03**
Sample Number:	**167260**
Depth of Sample:	**36.3m - 36.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						849.32			
MASS DRY SOIL + TARE (g)						820.21			
MASS OF WATER (g)						29.11			
MASS OF CONTAINER (g)						339.92			
MASS OF DRY SOIL (g)						480.29			
WATER CONTENT W (%)						6.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

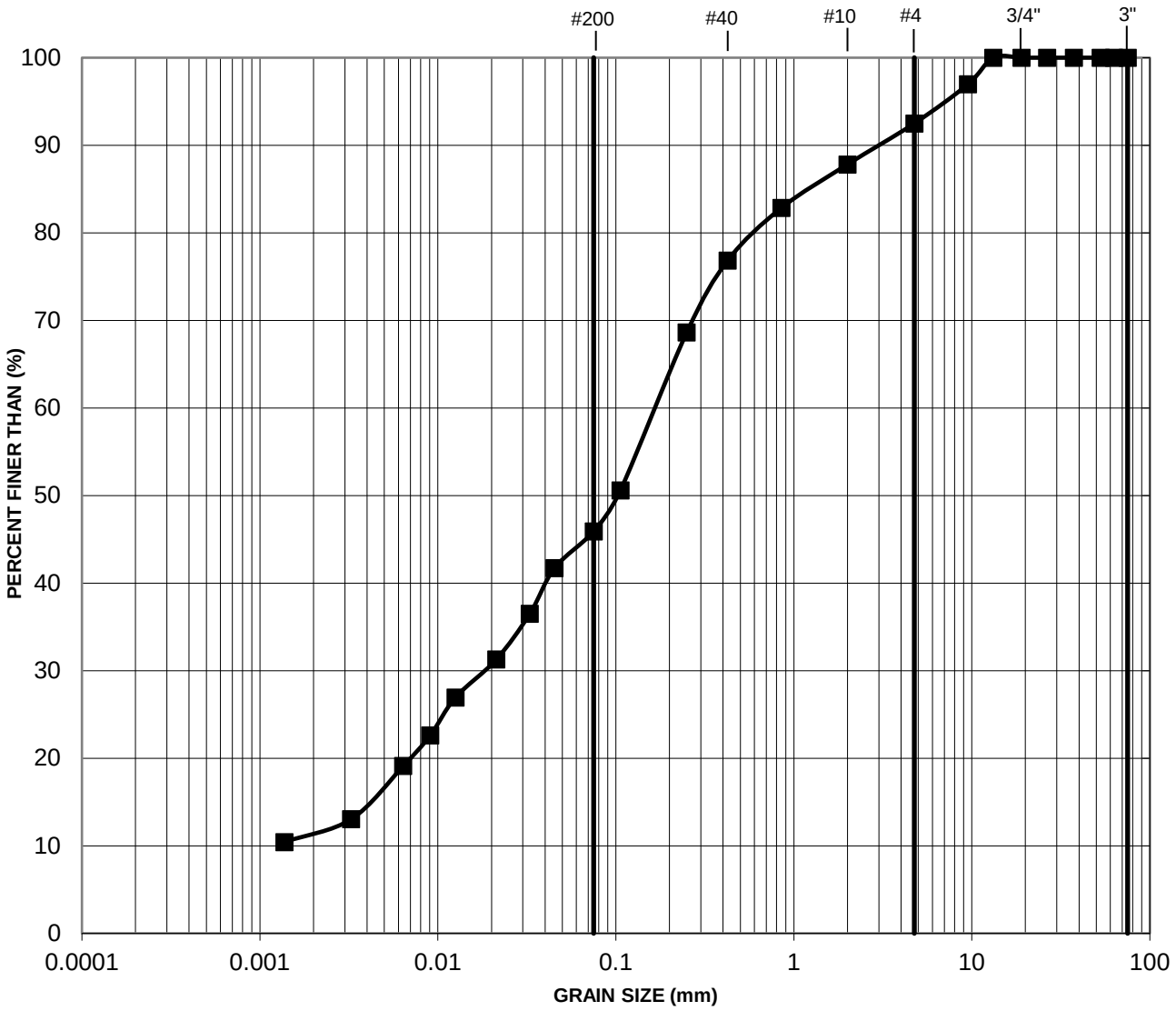


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-HG-BH-03	167262	46.3m - 46.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

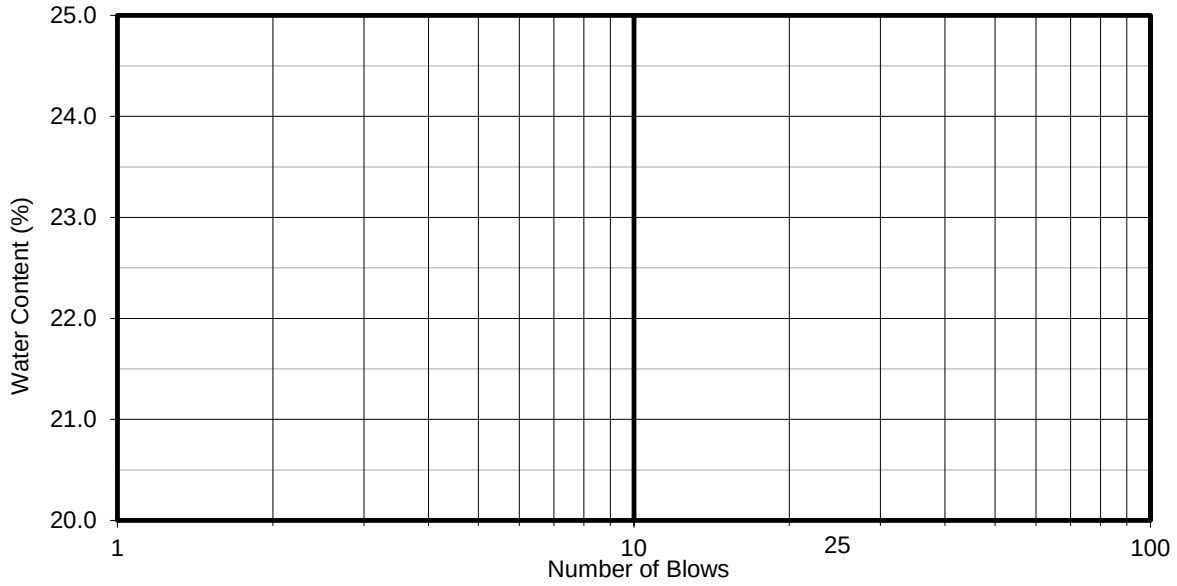
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 20, 2022**
Technician:	**EG**
Lab Number:	**G323**
Borehole:	**SRK22-HG-BH-03**
Sample Number:	**167262**
Depth of Sample:	**46.3m - 46.6m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						838.43			
MASS DRY SOIL + TARE (g)						804.31			
MASS OF WATER (g)						34.12			
MASS OF CONTAINER (g)						326.90			
MASS OF DRY SOIL (g)						477.41			
WATER CONTENT W (%)						7.1			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

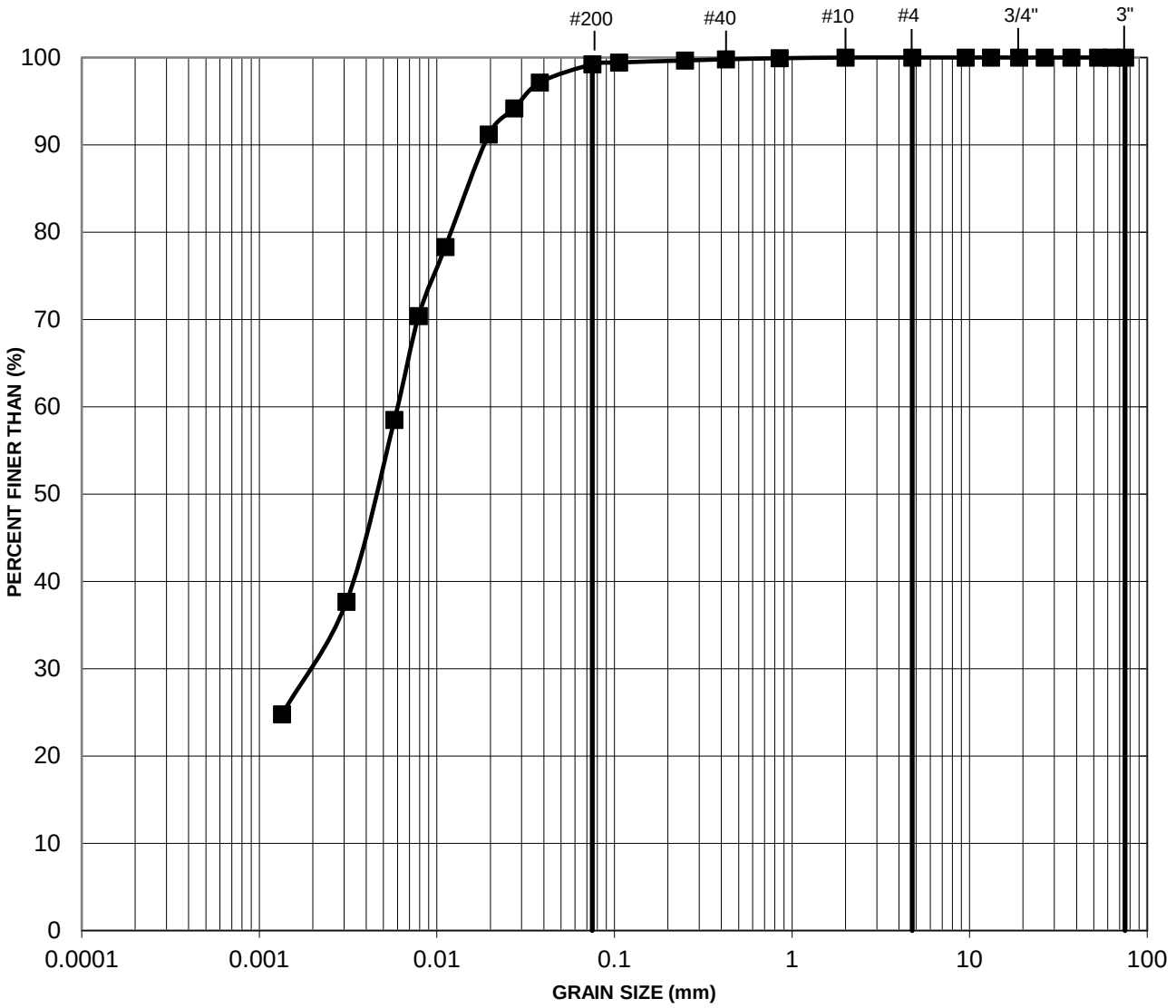


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-HG-BH-01	168212	19.5m - 19.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

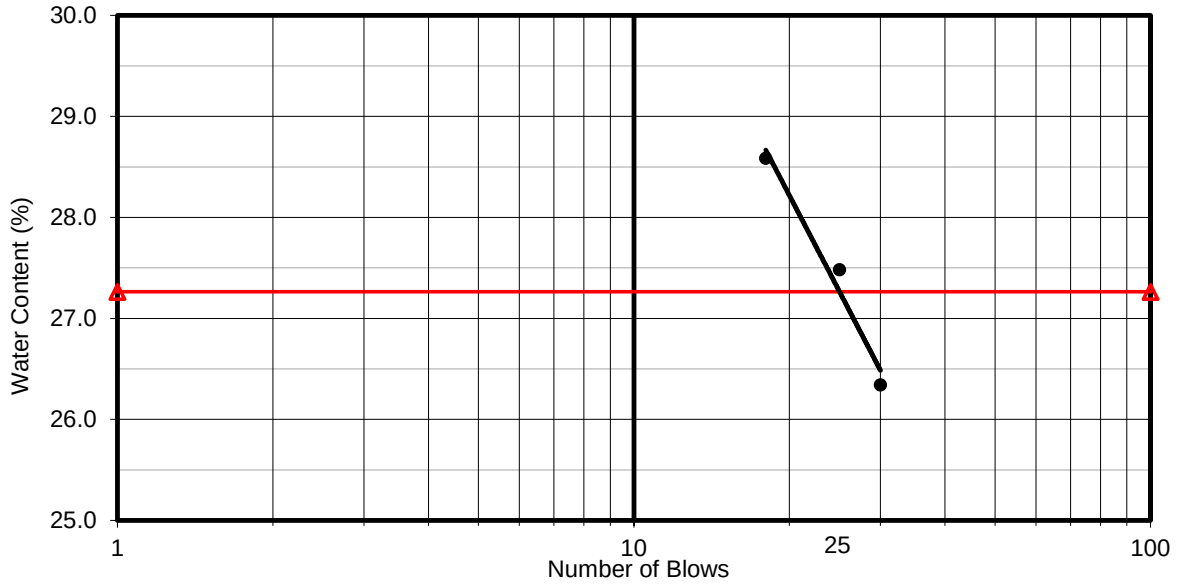
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 20, 2022**
Technician:	**EG**
Lab Number:	**G324**
Borehole:	**SRK22-HG-BH-01**
Sample Number:	**168212**
Depth of Sample:	**19.5m - 19.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	401	37	53			X	h	r5	
NUMBER OF BLOWS	30	25	18			X	X	X	X
MASS WET SOIL + TARE (g)	22.77	23.10	22.18			1072.67	25.43	26.01	
MASS DRY SOIL + TARE (g)	20.32	20.50	19.69			946.30	23.70	24.15	
MASS OF WATER (g)	2.45	2.60	2.49			126.37	1.73	1.86	
MASS OF CONTAINER (g)	11.02	11.04	10.98			518.05	14.19	13.86	
MASS OF DRY SOIL (g)	9.30	9.46	8.71			428.25	9.51	10.29	
WATER CONTENT W (%)	26.3	27.5	28.6			29.5	18.2	18.1	

LIQUID LIMIT (%)	**27.3**
PLASTIC LIMIT (%)	**18.1**
PLASTICITY INDEX (%)	**9.1**
W NATURAL (%)	**29.5**
LIQUIDITY INDEX	**1.25**

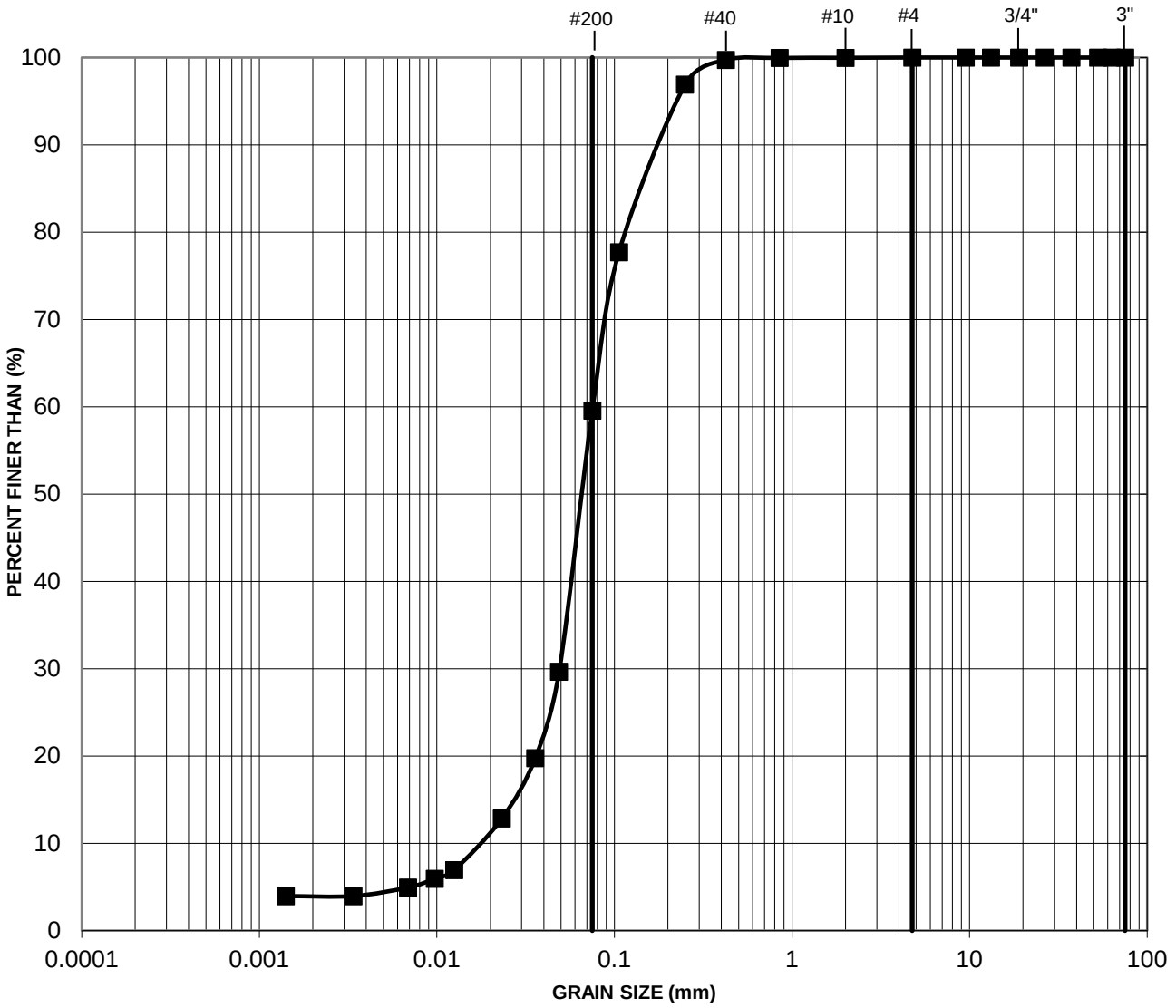


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-HG-BH-01	168214	25.6m - 25.9m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

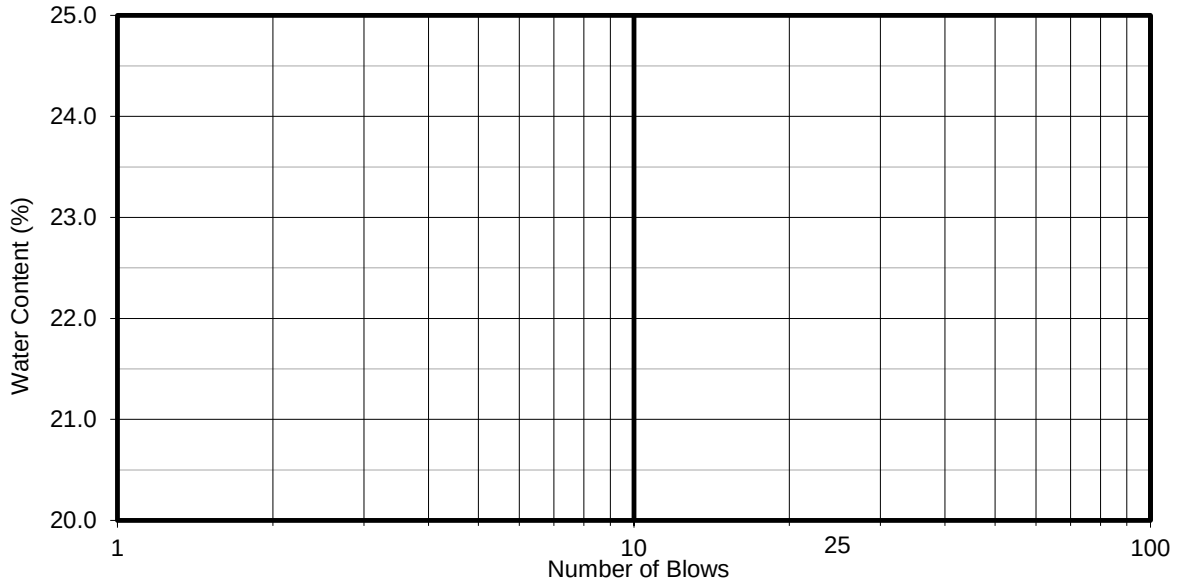
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 20, 2022**
Technician:	**EG**
Lab Number:	**G325**
Borehole:	**SRK22-HG-BH-01**
Sample Number:	**168214**
Depth of Sample:	**25.6m - 25.9m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						**X**			
NUMBER OF BLOWS						**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)						1039.43			
MASS DRY SOIL + TARE (g)						952.77			
MASS OF WATER (g)						86.66			
MASS OF CONTAINER (g)						513.58			
MASS OF DRY SOIL (g)						439.19			
WATER CONTENT W (%)						19.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835 ph2000
Project Name:	SRK_LabSoilTesting_Crawford
Client:	SRK Consulting
Org:	1194
Scheduled By:	Erick Lino (SRK)
Date Scheduled:	March 30, 2022
Due Date:	April 21, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G326

Shelby **Test Totals:** 12 - 12 - 12 - - - -

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP	Specific Gravity	Lab Number
SRK21-OP-BH02	167782	7.3	7.9	x		x		x						G327
SRK22-OP-BH08	167720	5.2	5.8	x		x		x						G329
SRK22-OP-BH10	167369	5.8	6.4	x		x		x						G330
SRK22-OP-BH10	167373	11.6	12.2	x		x		x						G331
SRK21-LG-BH04	167504	5.5	6.1	x		x		x						G332
SRK22-LG-BH01	167385	11.3	11.9	x		x		x						G333
SRK22-LG-BH05	167271	5.2	5.8	x		x		x						G334
SRK21-NWR-BH07	36249	5.5	6.1	x		x		x						G335
SRK21-PF-BH04	167838	7	7.6	x		x		x						G336
SRK22-SOS-BH-02	167063	5.5	6.1	x		x		x						G338
SRK22-SOS-BH-02	167068	18	18.6	x		x		x						G339
SRK21-WRD-BH16	167981	11.3	11.9	x		x		x						G340

GOLDER

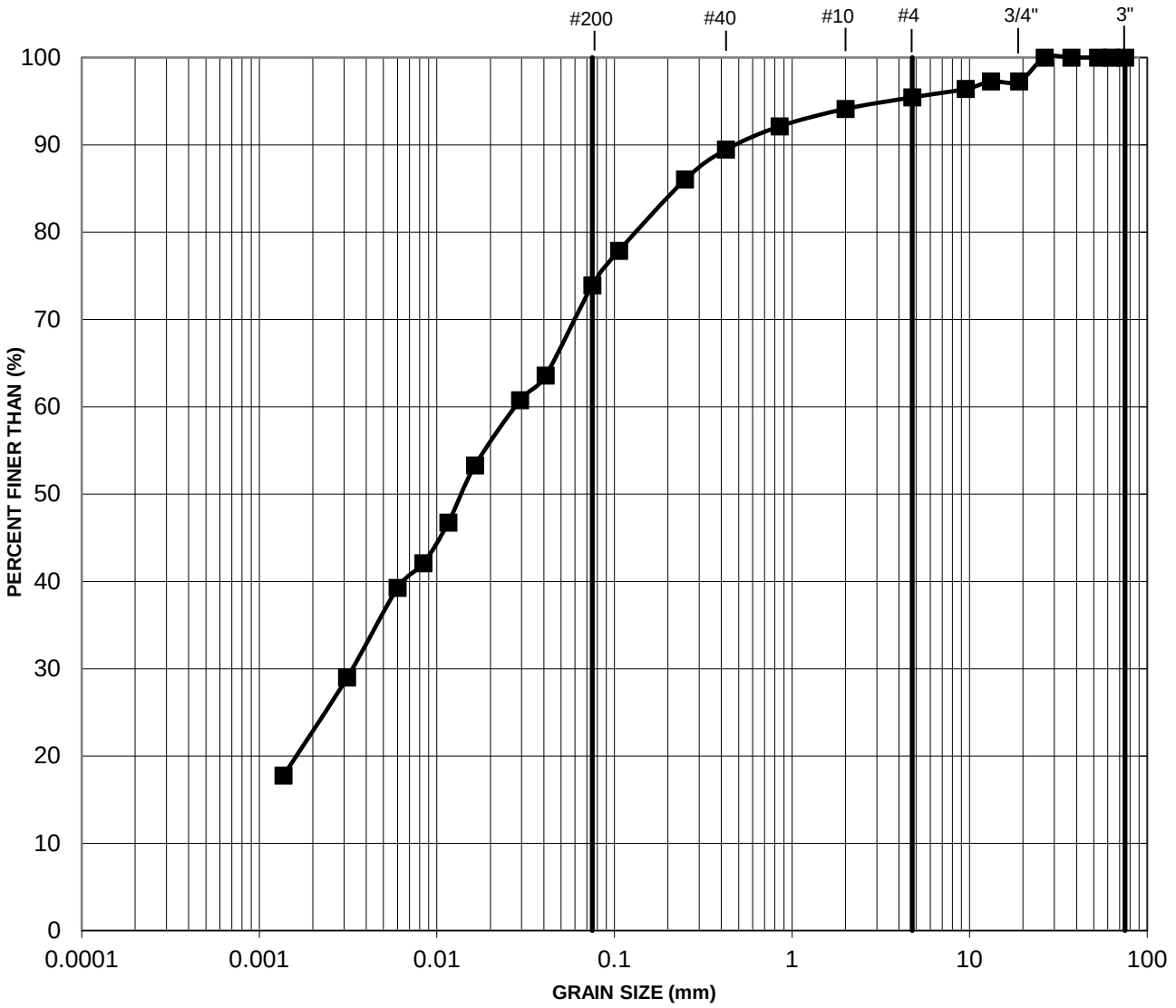
Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Lab Water Content No.:	**G326**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK21-OP-BH02	167782	7.3m - 7.9m	14.3	24.6	14.3	10.3	0.0
SRK22-OP-BH08	167720	5.2m - 5.8m	21.6	25.9	14.4	11.5	0.6
SRK22-OP-BH10	167369	5.8m - 6.4m	22.4	28.3	16.1	12.3	0.5
SRK22-OP-BH10	167373	11.6m - 12.2m	39.5	40.3	20.4	19.9	1.0
SRK21-LG-BH04	167504	5.5m - 6.1m	29.8	34.5	19.5	15.0	0.7
SRK22-LG-BH01	167385	11.3m - 11.9m	49.0	46.9	23.6	23.3	1.1
SRK22-LG-BH05	167271	5.2m - 5.8m	31.9	28.5	18.2	10.3	1.3
SRK21-NWR-BH07	36249	5.5m - 6.1m	16.6	24.1	14.1	10.0	0.2
SRK21-PF-BH04	167838	7m - 7.6m	32.0	39.0	19.4	19.6	0.6
SRK22-SOS-BH-02	167063	5.5m - 6.1m	26.2	32.1	17.1	14.9	0.6
SRK22-SOS-BH-02	167068	18m - 18.6m	33.5	33.1	20.2	12.9	1.0
SRK21-WRD-BH16	167981	11.3m - 11.9m	54.6	53.7	25.1	28.6	1.0

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-OP-BH02	167782	7.3m - 7.9m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

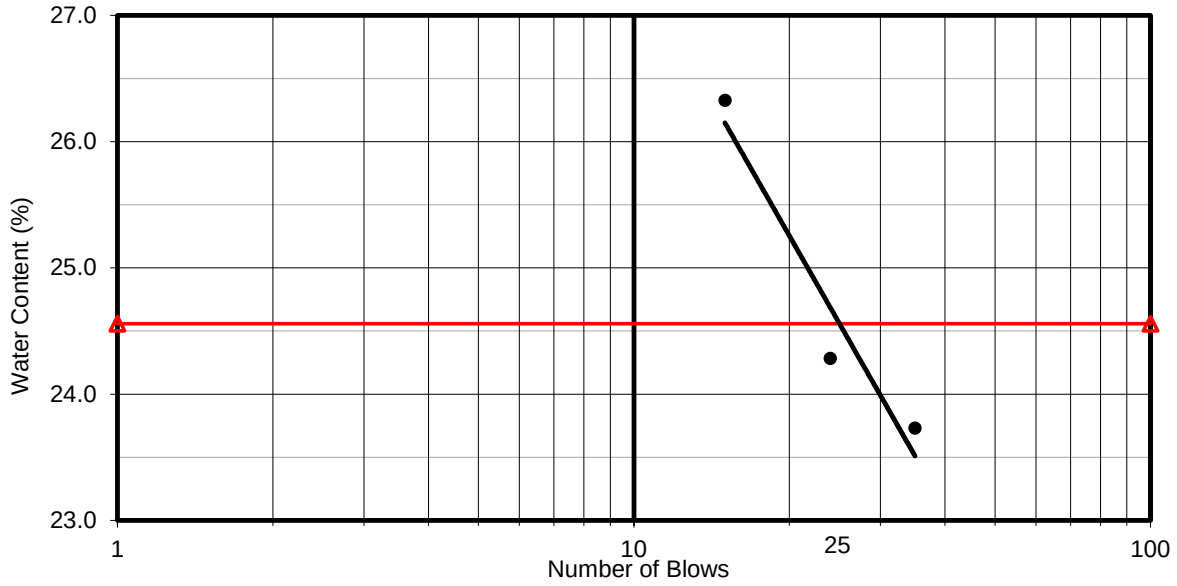
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**27-Apr-22**
Technician:	**HAB**
Lab Number:	**G327**
Borehole:	**SRK21-OP-BH02**
Sample Number:	**167782**
Depth of Sample:	**7.3m - 7.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	19	53	909			**X**	h	R21	
NUMBER OF BLOWS	35	15	24			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	21.73	22.18	21.80			1005.27	26.25	26.44	
MASS DRY SOIL + TARE (g)	19.67	19.85	19.68			909.74	24.75	24.92	
MASS OF WATER (g)	2.06	2.33	2.12			95.53	1.50	1.52	
MASS OF CONTAINER (g)	10.99	11.00	10.95			240.10	14.20	14.36	
MASS OF DRY SOIL (g)	8.68	8.85	8.73			669.64	10.55	10.56	
WATER CONTENT W (%)	23.7	26.3	24.3			14.3	14.2	14.4	

LIQUID LIMIT (%)	**24.6**
PLASTIC LIMIT (%)	**14.3**
PLASTICITY INDEX (%)	**10.3**
W NATURAL (%)	**14.3**
LIQUIDITY INDEX	**0.00**

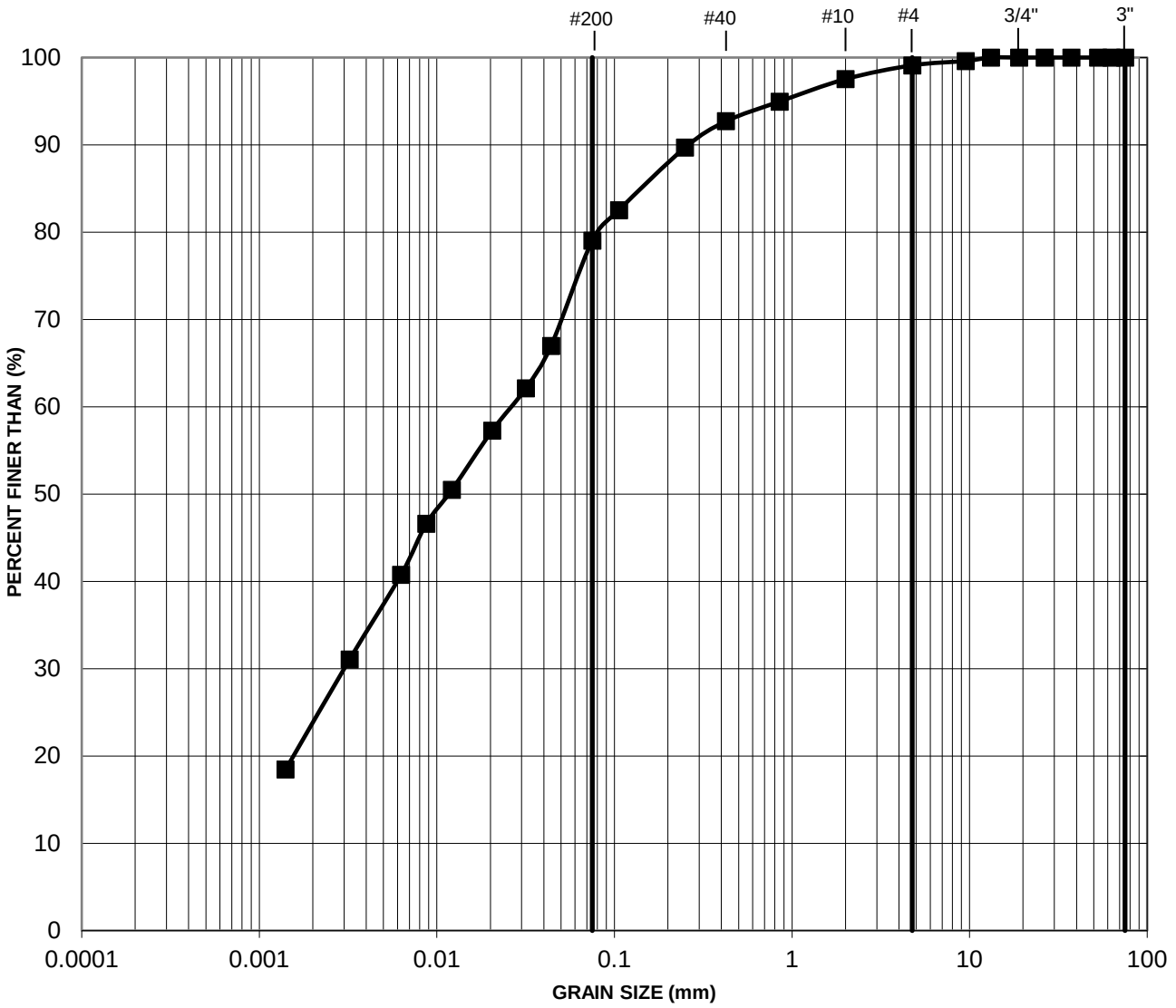


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH08	167720	5.2m - 5.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

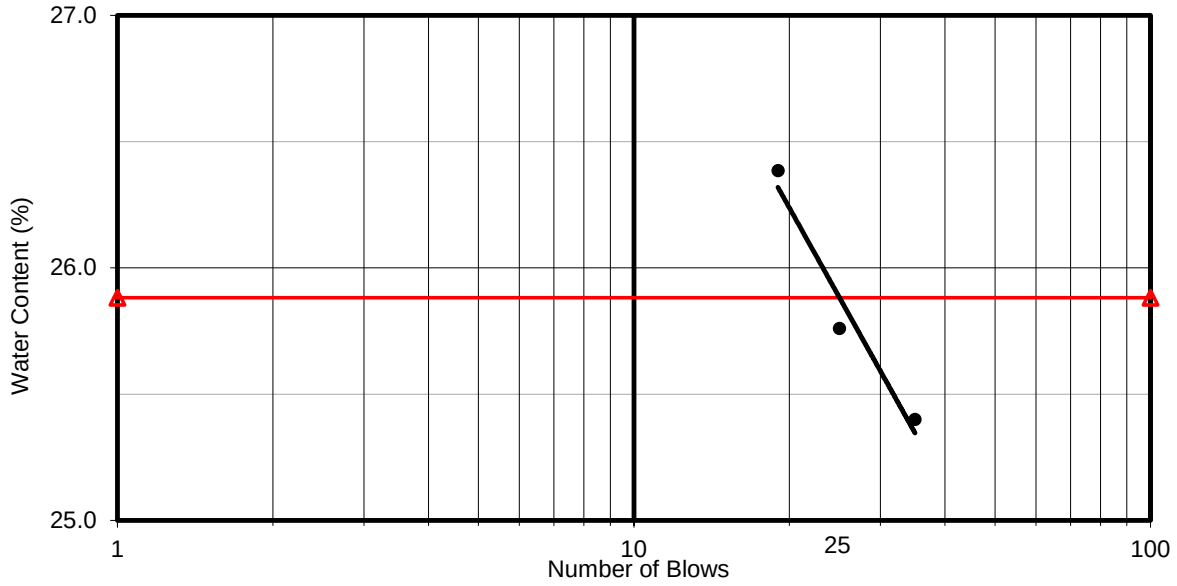
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**28-Apr-22**
Technician:	**HAB**
Lab Number:	**G329**
Borehole:	**SRK22-OP-BH08**
Sample Number:	**167720**
Depth of Sample:	**5.2m - 5.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7L	R7	R8L			X	MR04	4m	
NUMBER OF BLOWS	35	19	25			X	X	X	X
MASS WET SOIL + TARE (g)	18.27	17.70	17.94			1142.69	26.01	25.59	
MASS DRY SOIL + TARE (g)	16.05	15.51	15.74			981.37	24.50	24.09	
MASS OF WATER (g)	2.22	2.19	2.20			161.32	1.51	1.50	
MASS OF CONTAINER (g)	7.31	7.21	7.20			234.15	14.03	13.68	
MASS OF DRY SOIL (g)	8.74	8.30	8.54			747.22	10.47	10.41	
WATER CONTENT W (%)	25.4	26.4	25.8			21.6	14.4	14.4	

LIQUID LIMIT (%)	**25.9**
PLASTIC LIMIT (%)	**14.4**
PLASTICITY INDEX (%)	**11.5**
W NATURAL (%)	**21.6**
LIQUIDITY INDEX	**0.63**

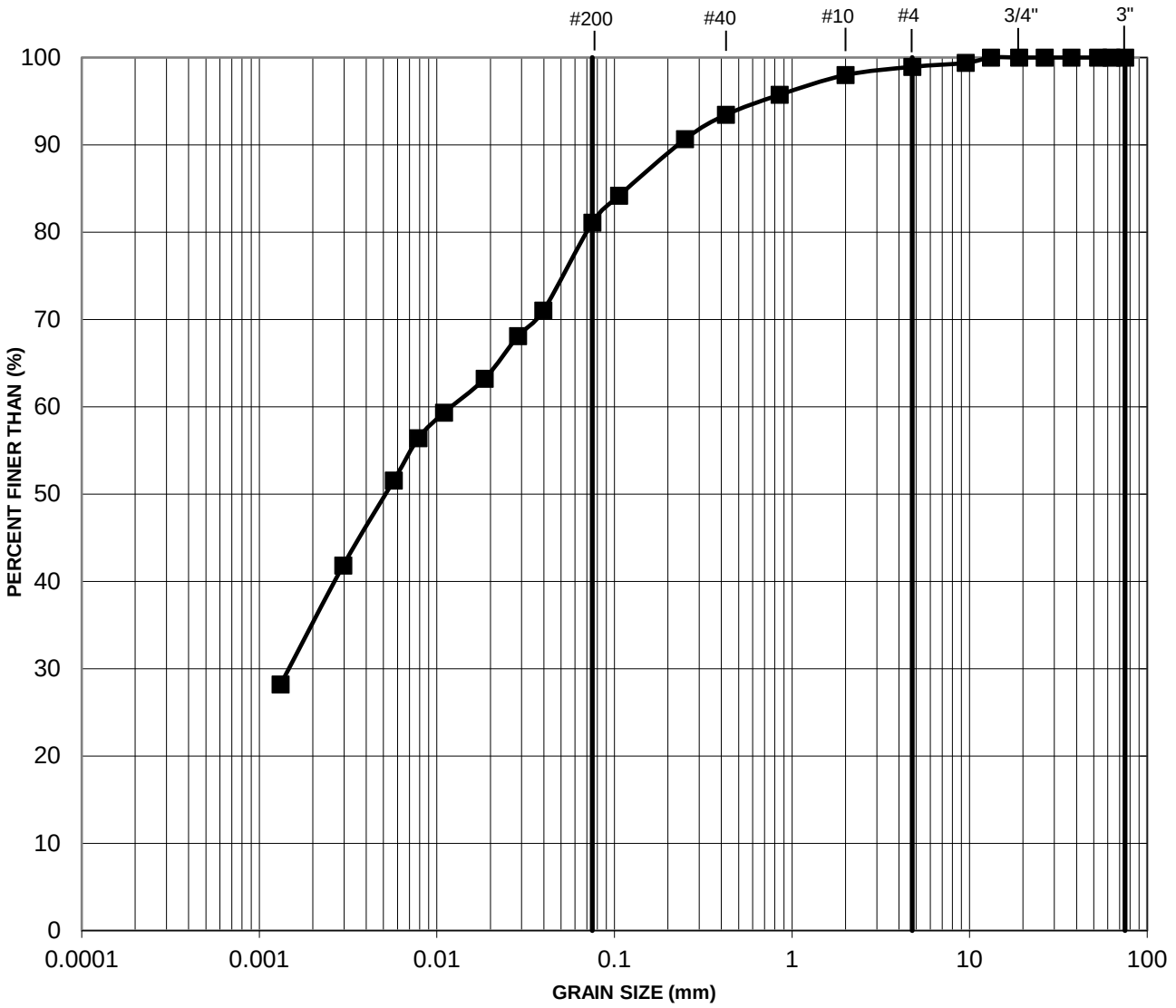


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH10	167369	5.8m - 6.4m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

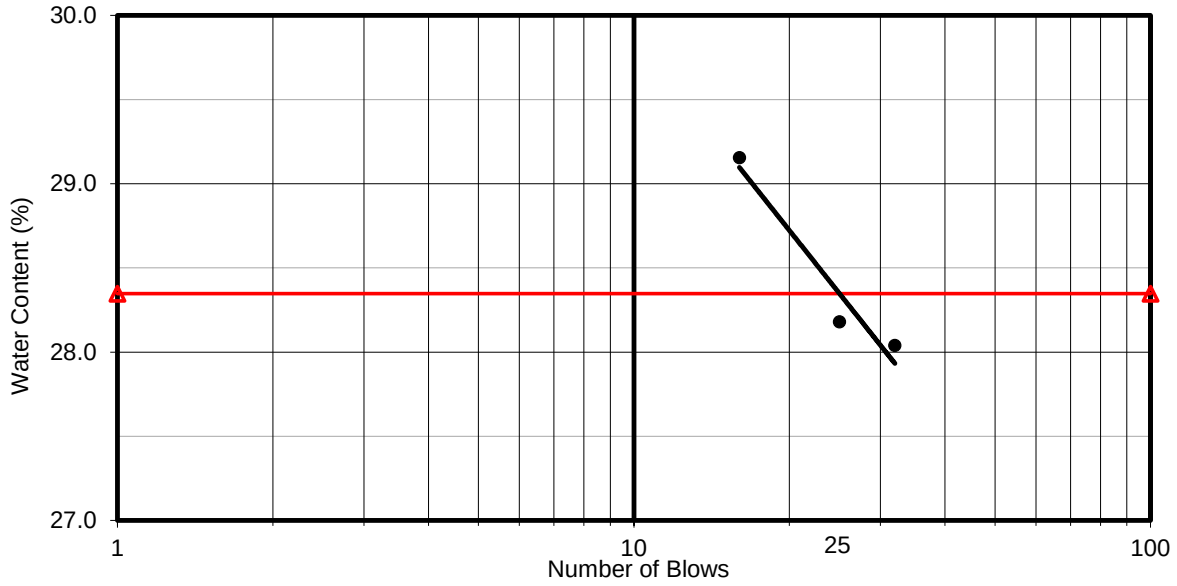
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**28-Apr-22**
Technician:	**HAB**
Lab Number:	**G330**
Borehole:	**SRK22-OP-BH10**
Sample Number:	**167369**
Depth of Sample:	**5.8m - 6.4m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2	2m	18			X	7m	8m	
NUMBER OF BLOWS	32	16	25			X	X	X	X
MASS WET SOIL + TARE (g)	17.57	17.65	18.01			829.46	24.97	25.28	
MASS DRY SOIL + TARE (g)	15.31	15.30	15.64			721.34	23.34	23.75	
MASS OF WATER (g)	2.26	2.35	2.37			108.12	1.63	1.53	
MASS OF CONTAINER (g)	7.25	7.24	7.23			238.79	13.55	13.88	
MASS OF DRY SOIL (g)	8.06	8.06	8.41			482.55	9.79	9.87	
WATER CONTENT W (%)	28.0	29.2	28.2			22.4	16.6	15.5	

LIQUID LIMIT (%)	**28.3**
PLASTIC LIMIT (%)	**16.1**
PLASTICITY INDEX (%)	**12.3**
W NATURAL (%)	**22.4**
LIQUIDITY INDEX	**0.52**

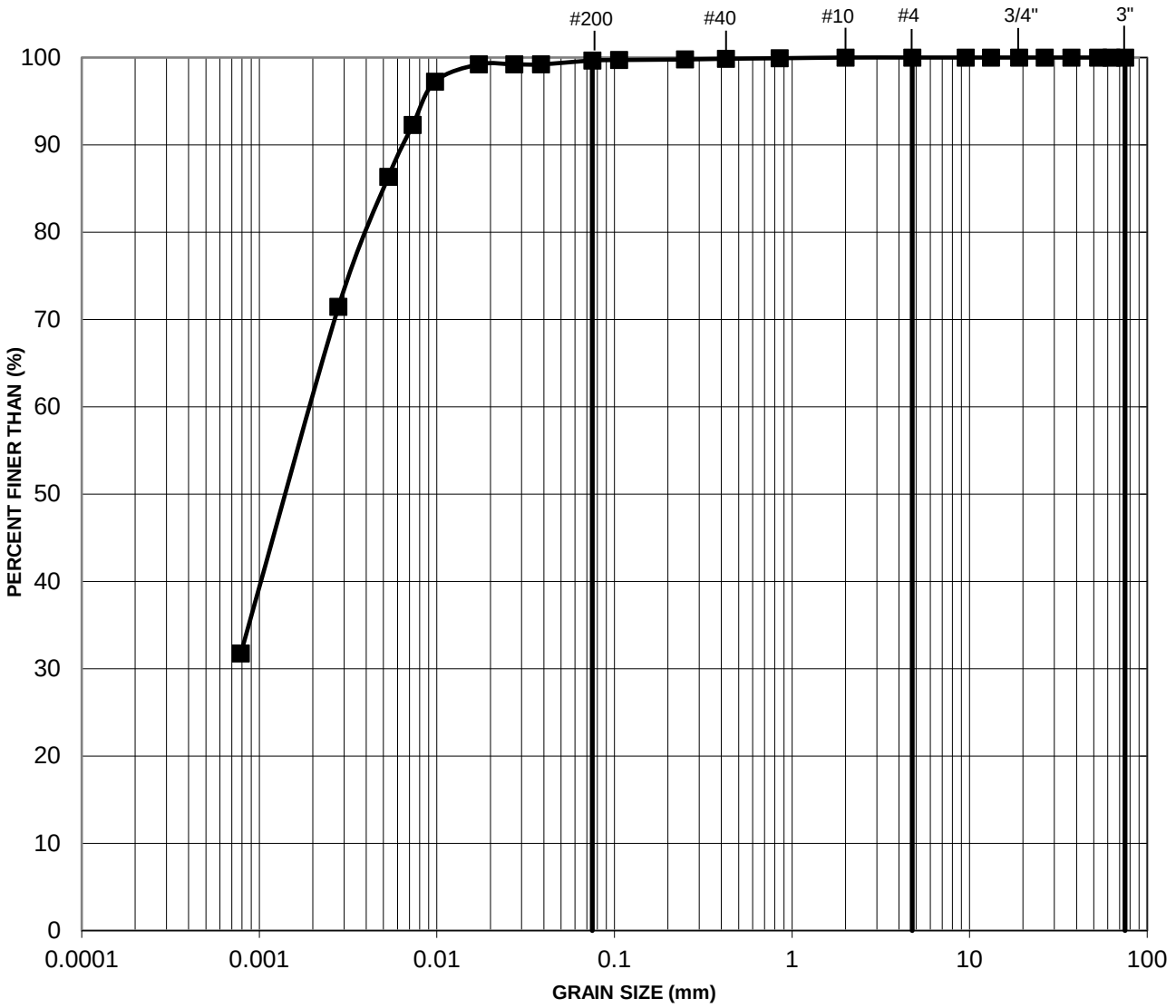


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH10	167373	11.6m - 12.2m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

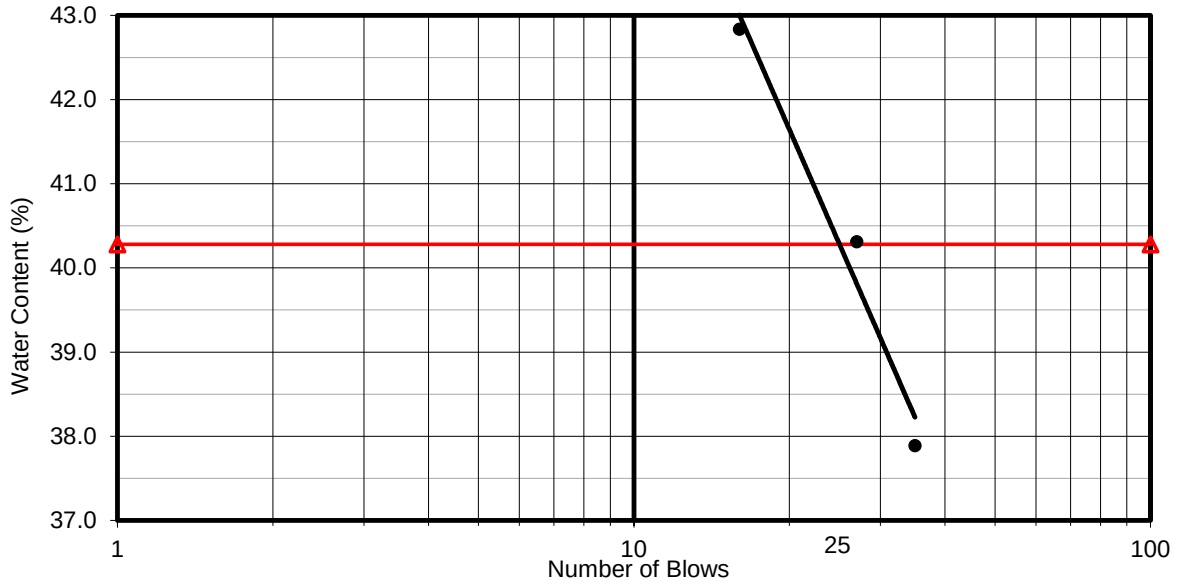
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**22-Apr-22**
Technician:	**HAB**
Lab Number:	**G331**
Borehole:	**SRK22-OP-BH10**
Sample Number:	**167373**
Depth of Sample:	**11.6m - 12.2m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	m	R6	9m			X	31	34	
NUMBER OF BLOWS	35	27	16			X	X	X	X
MASS WET SOIL + TARE (g)	17.81	18.05	17.83			617.50	32.21	31.79	
MASS DRY SOIL + TARE (g)	14.90	14.95	14.66			509.86	30.37	29.93	
MASS OF WATER (g)	2.91	3.10	3.17			107.64	1.84	1.86	
MASS OF CONTAINER (g)	7.22	7.26	7.26			237.37	21.19	20.93	
MASS OF DRY SOIL (g)	7.68	7.69	7.40			272.49	9.18	9.00	
WATER CONTENT W (%)	37.9	40.3	42.8			39.5	20.0	20.7	

LIQUID LIMIT (%)	**40.3**
PLASTIC LIMIT (%)	**20.4**
PLASTICITY INDEX (%)	**19.9**
W NATURAL (%)	**39.5**
LIQUIDITY INDEX	**0.96**

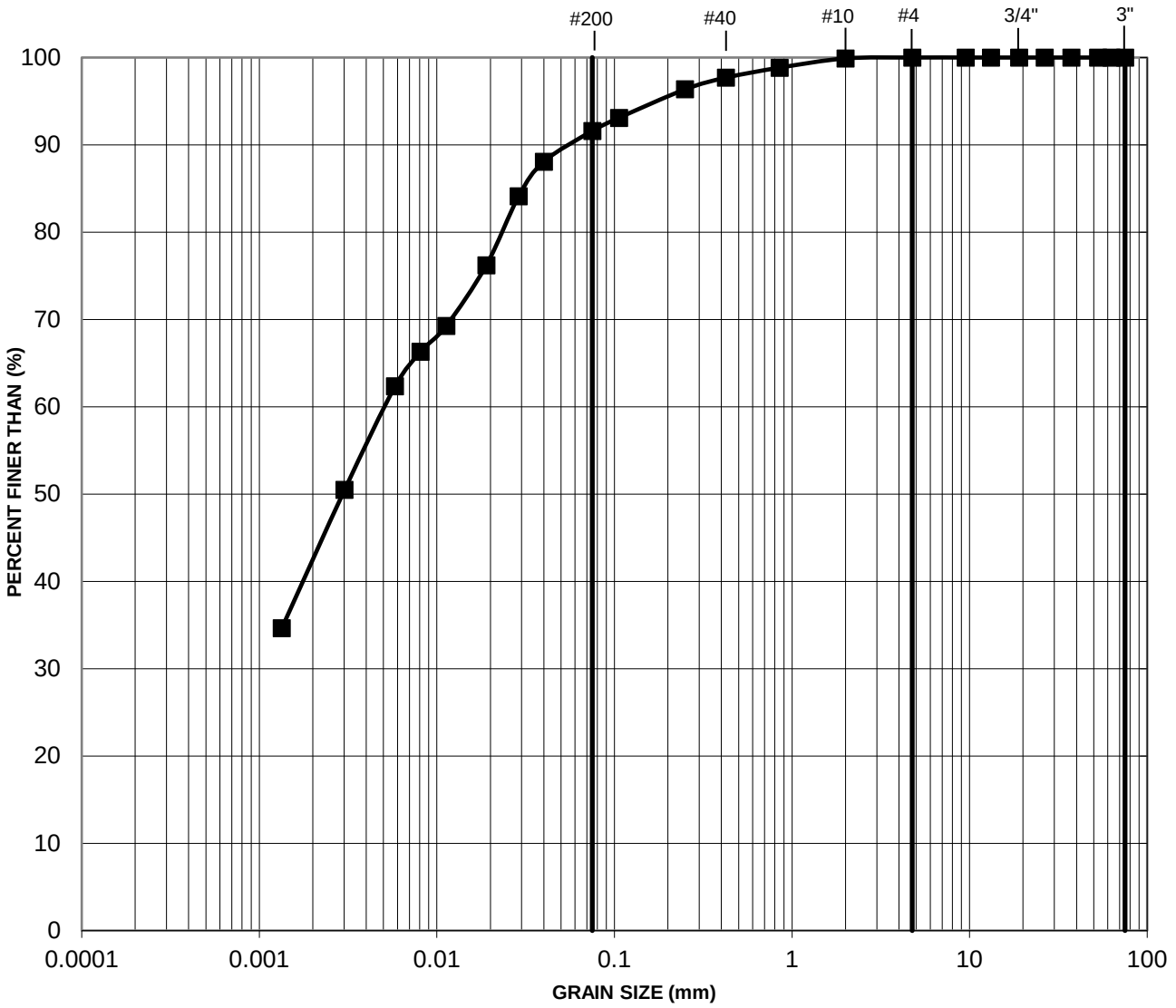


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-LG-BH04	167504	5.5m - 6.1m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

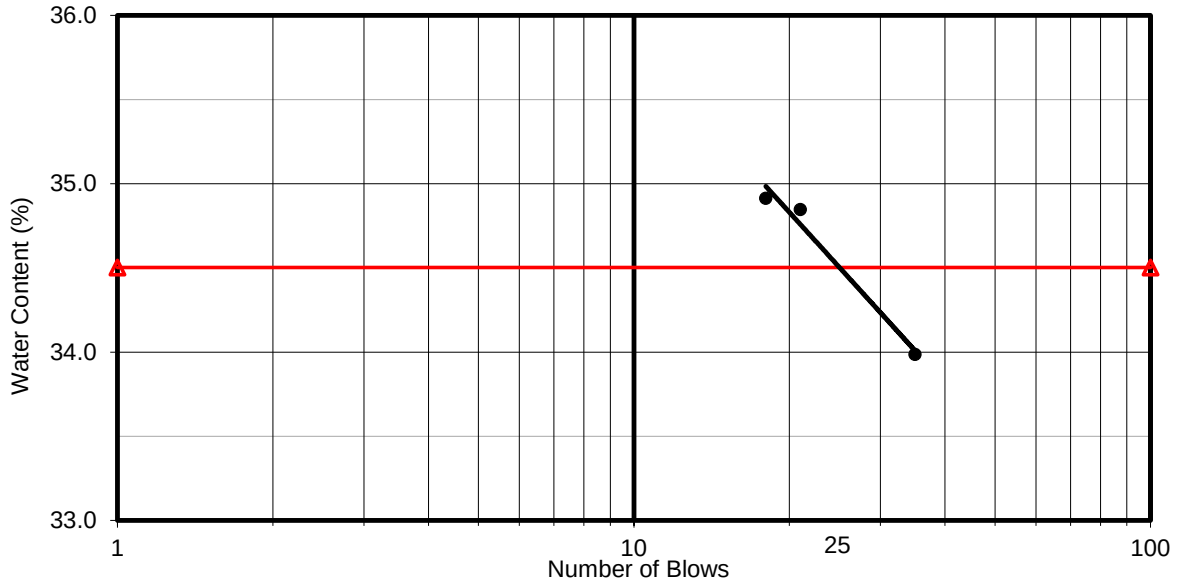
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**28-Apr-22**
Technician:	**HAB**
Lab Number:	**G332**
Borehole:	**SRK21-LG-BH04**
Sample Number:	**167504**
Depth of Sample:	**5.5m - 6.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	3L	7	9			X	T	R6	
NUMBER OF BLOWS	21	35	18			X	X	X	X
MASS WET SOIL + TARE (g)	17.95	18.02	19.04			793.60	24.96	25.83	
MASS DRY SOIL + TARE (g)	15.19	15.25	15.95			666.50	23.12	23.90	
MASS OF WATER (g)	2.76	2.77	3.09			127.10	1.84	1.93	
MASS OF CONTAINER (g)	7.27	7.10	7.10			240.67	13.44	14.20	
MASS OF DRY SOIL (g)	7.92	8.15	8.85			425.83	9.68	9.70	
WATER CONTENT W (%)	34.8	34.0	34.9			29.8	19.0	19.9	

LIQUID LIMIT (%)	**34.5**
PLASTIC LIMIT (%)	**19.5**
PLASTICITY INDEX (%)	**15.0**
W NATURAL (%)	**29.8**
LIQUIDITY INDEX	**0.69**

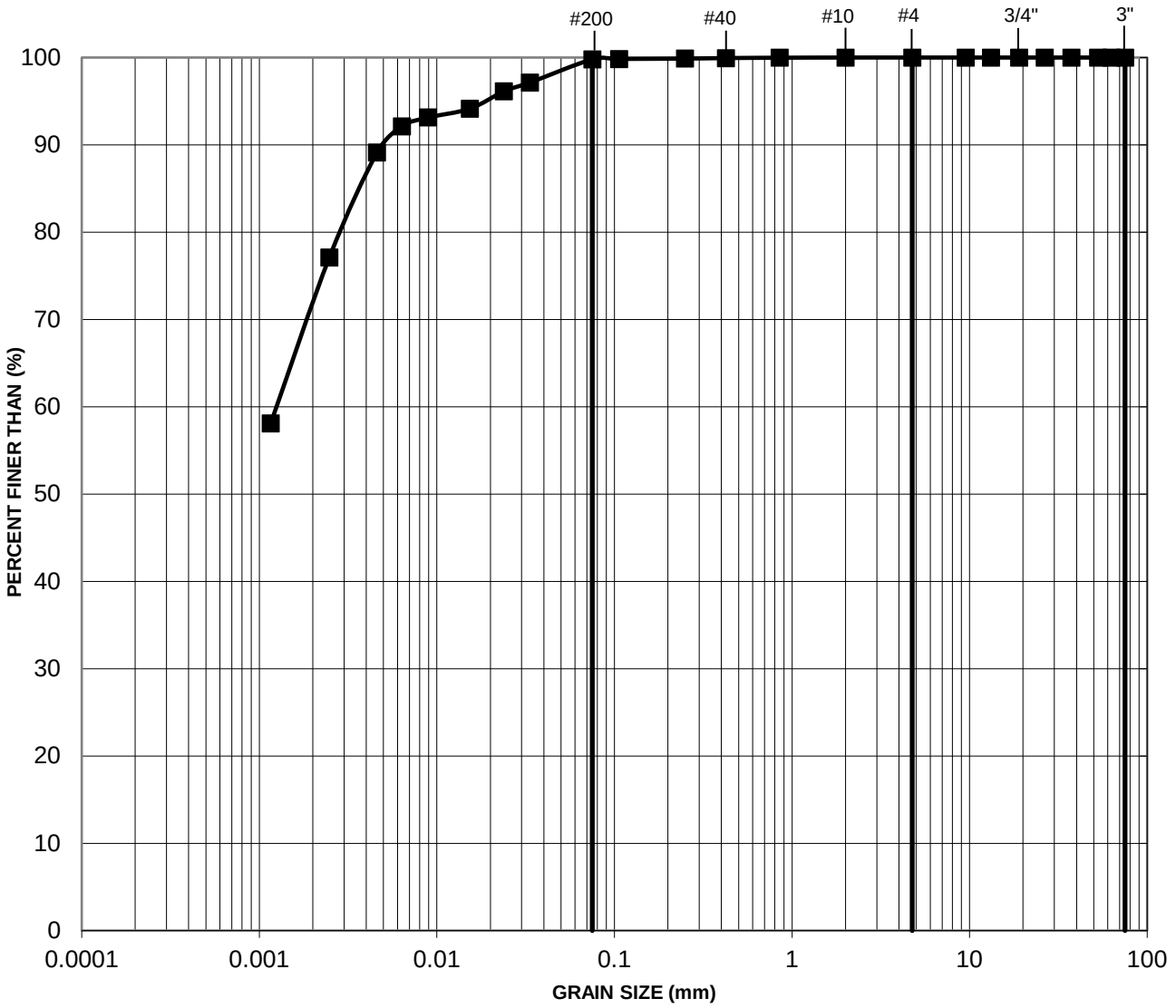


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-LG-BH01	167385	11.3m - 11.9m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

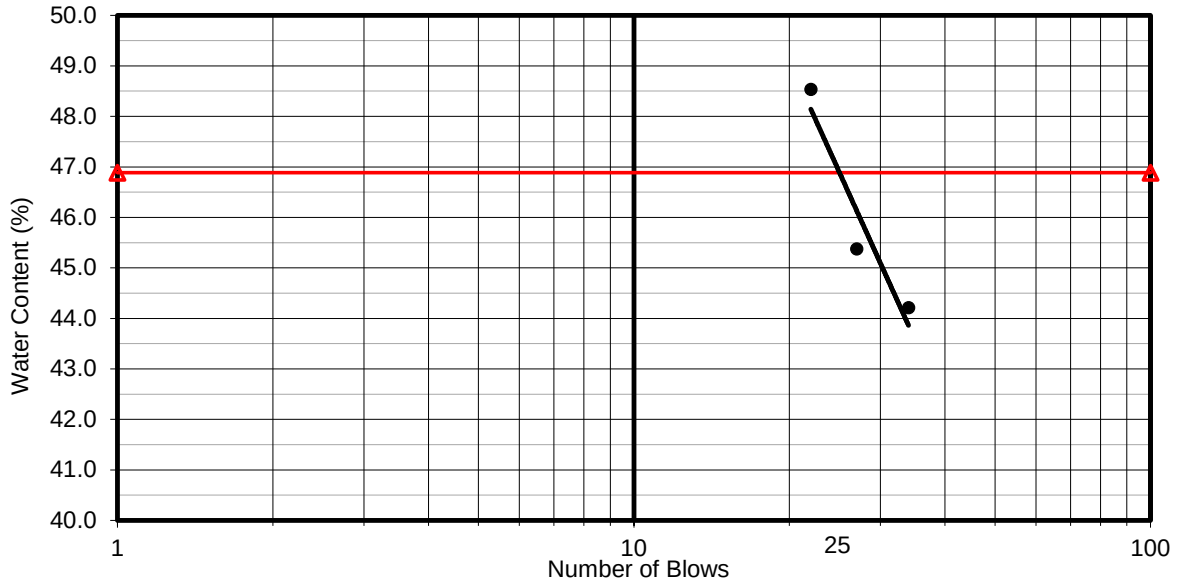
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 21, 2022**
Technician:	**HAB**
Lab Number:	**G333**
Borehole:	**SRK22-LG-BH01**
Sample Number:	**167385**
Depth of Sample:	**11.3m - 11.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	2m	18	20m			**X**	76	77	
NUMBER OF BLOWS	34	27	22			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.71	17.77	17.93			497.20	32.73	32.67	
MASS DRY SOIL + TARE (g)	14.50	14.48	14.44			412.68	30.47	30.40	
MASS OF WATER (g)	3.21	3.29	3.49			84.52	2.26	2.27	
MASS OF CONTAINER (g)	7.24	7.23	7.25			240.20	20.92	20.75	
MASS OF DRY SOIL (g)	7.26	7.25	7.19			172.48	9.55	9.65	
WATER CONTENT W (%)	44.2	45.4	48.5			49.0	23.7	23.5	

LIQUID LIMIT (%)	**46.9**
PLASTIC LIMIT (%)	**23.6**
PLASTICITY INDEX (%)	**23.3**
W NATURAL (%)	**49.0**
LIQUIDITY INDEX	**1.09**

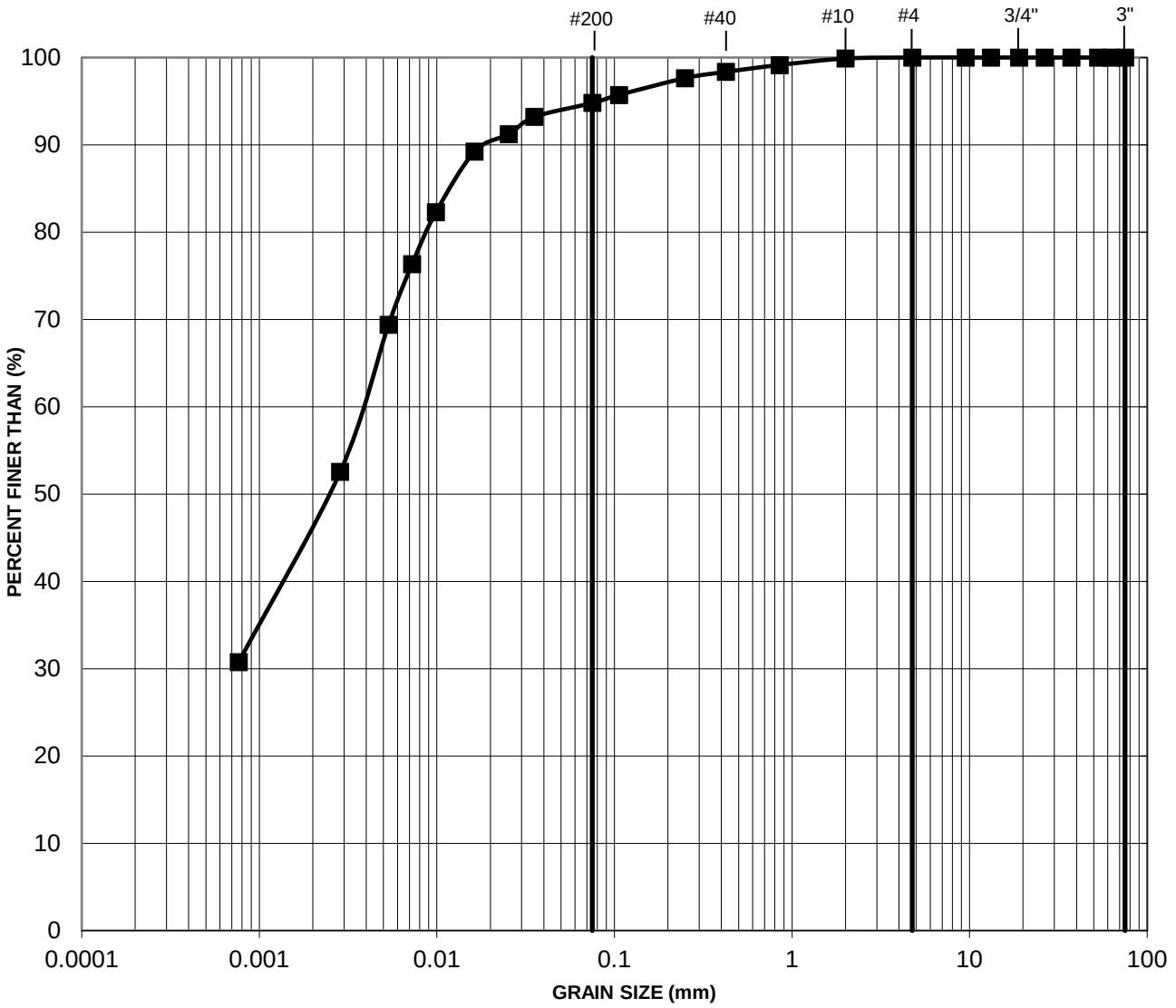


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-LG-BH05	167271	5.2m - 5.8m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

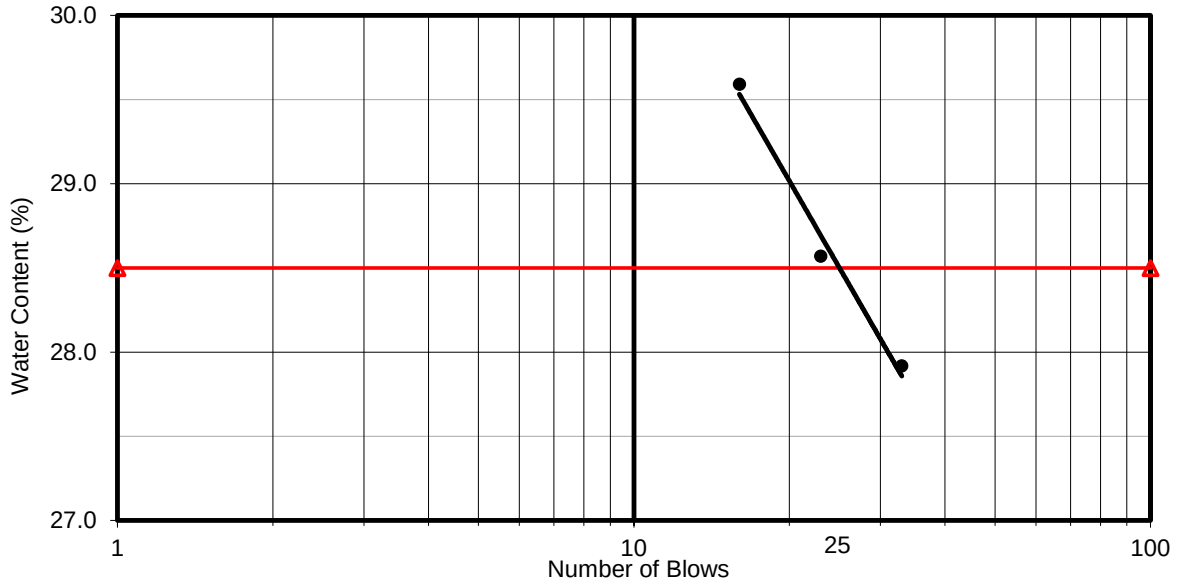
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**April 21, 2022**
Technician:	**HAB**
Lab Number:	**G334**
Borehole:	**SRK22-LG-BH05**
Sample Number:	**167271**
Depth of Sample:	**5.2m - 5.8m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1m	7l	r8l			**X**	67	70	
NUMBER OF BLOWS	33	16	23			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.85	17.47	18.12			915.58	33.11	32.86	
MASS DRY SOIL + TARE (g)	15.53	15.15	15.70			752.11	31.24	31.09	
MASS OF WATER (g)	2.32	2.32	2.42			163.47	1.87	1.77	
MASS OF CONTAINER (g)	7.22	7.31	7.23			239.42	21.20	21.11	
MASS OF DRY SOIL (g)	8.31	7.84	8.47			512.69	10.04	9.98	
WATER CONTENT W (%)	27.9	29.6	28.6			31.9	18.6	17.7	

LIQUID LIMIT (%)	**28.5**
PLASTIC LIMIT (%)	**18.2**
PLASTICITY INDEX (%)	**10.3**
W NATURAL (%)	**31.9**
LIQUIDITY INDEX	**1.33**

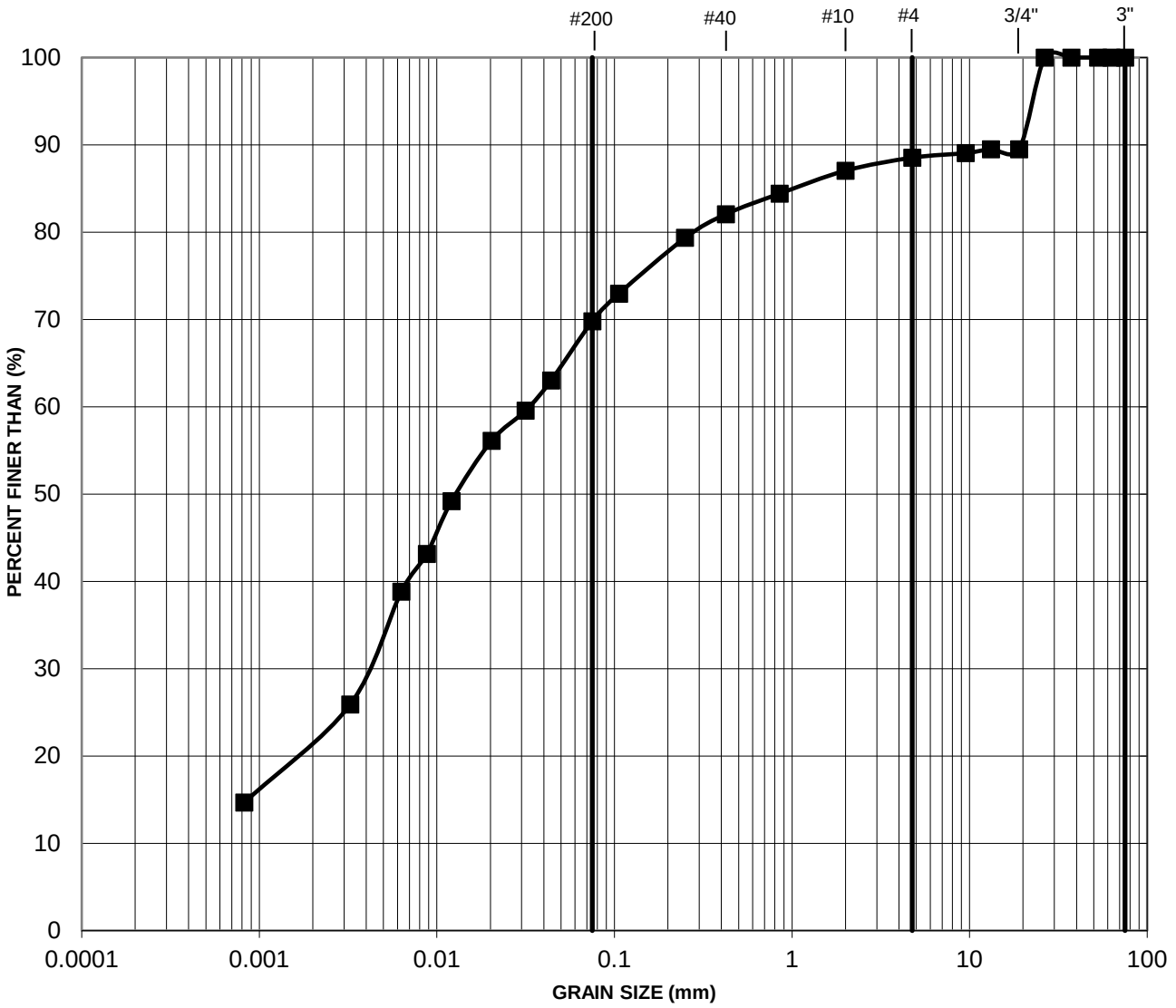


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-NWR-BH07	36249	5.5m - 6.1m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

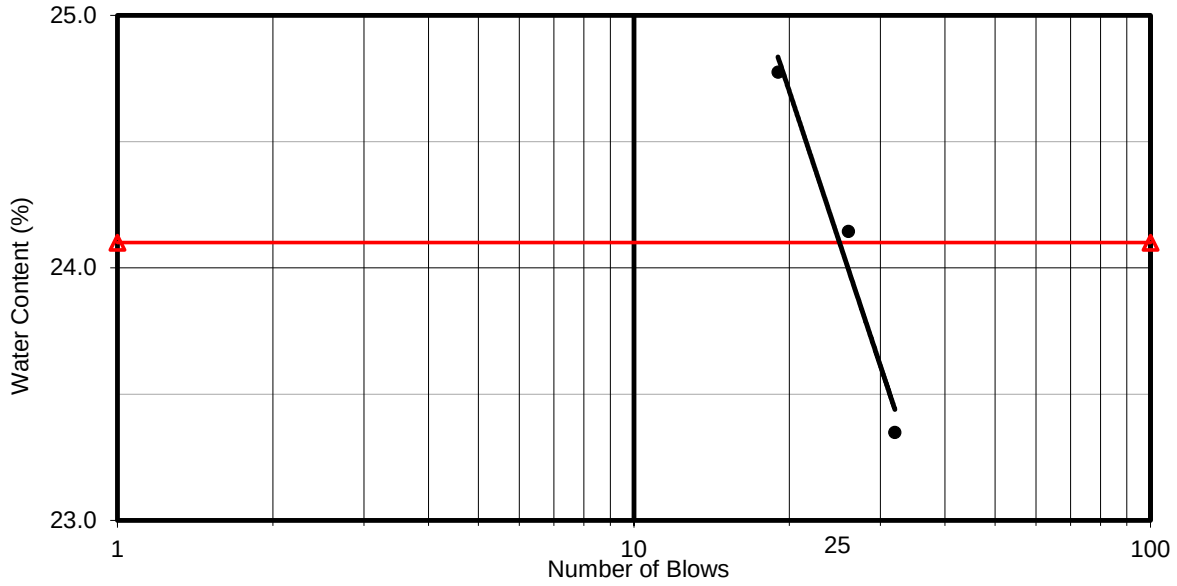
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**28-Apr-22**
Technician:	**HAB**
Lab Number:	**G335**
Borehole:	**SRK21-NWR-BH07**
Sample Number:	**36249**
Depth of Sample:	**5.5m - 6.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	6	20m	R23L			**X**	AB16	R22	
NUMBER OF BLOWS	19	32	26			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	18.36	17.70	18.85			1026.47	25.10	25.90	
MASS DRY SOIL + TARE (g)	16.15	15.72	16.59			935.67	23.67	24.48	
MASS OF WATER (g)	2.21	1.98	2.26			90.80	1.43	1.42	
MASS OF CONTAINER (g)	7.23	7.24	7.23			387.90	13.55	14.41	
MASS OF DRY SOIL (g)	8.92	8.48	9.36			547.77	10.12	10.07	
WATER CONTENT W (%)	24.8	23.3	24.1			16.6	14.1	14.1	

LIQUID LIMIT (%)	**24.1**
PLASTIC LIMIT (%)	**14.1**
PLASTICITY INDEX (%)	**10.0**
W NATURAL (%)	**16.6**
LIQUIDITY INDEX	**0.25**

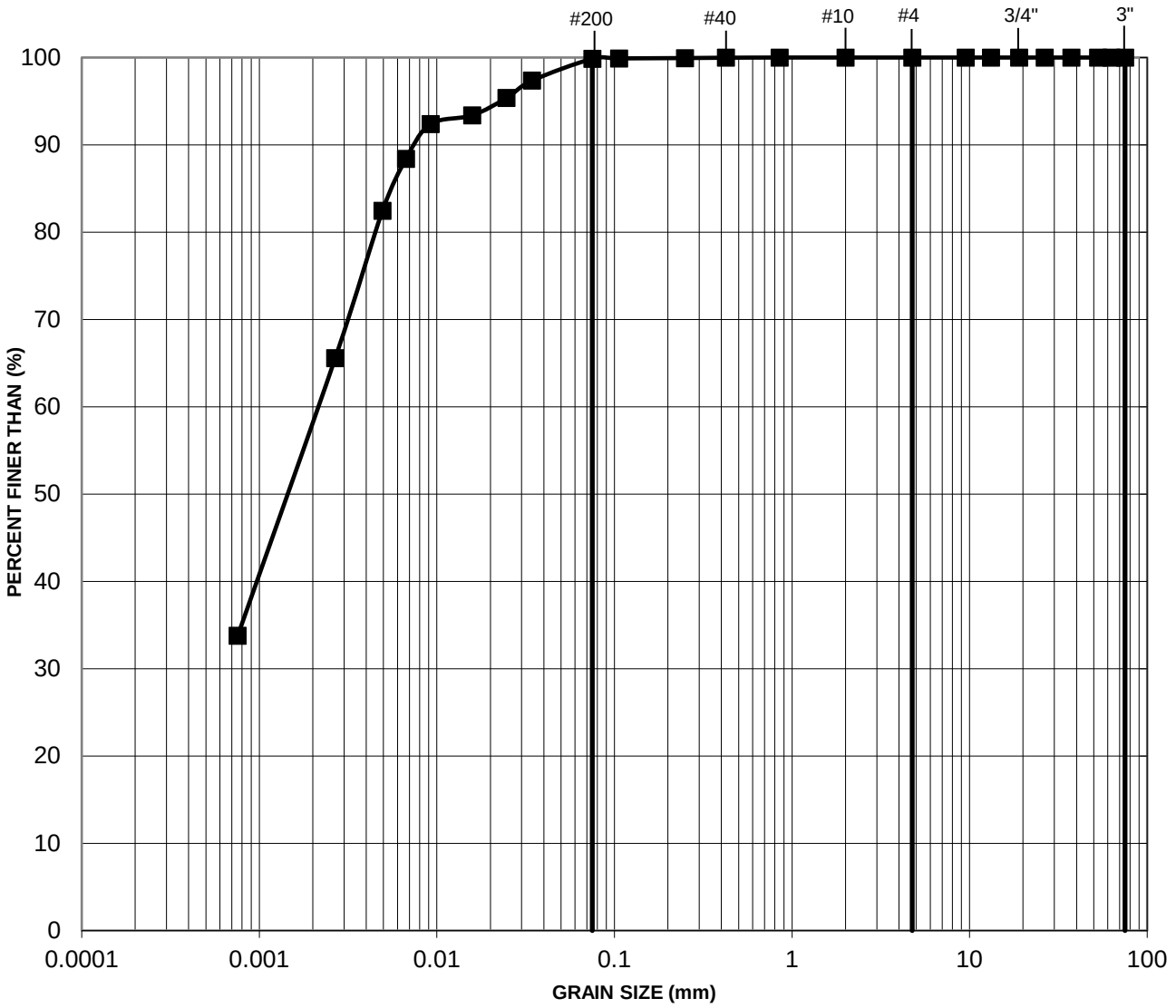


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-PF-BH04	167838	7m - 7.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

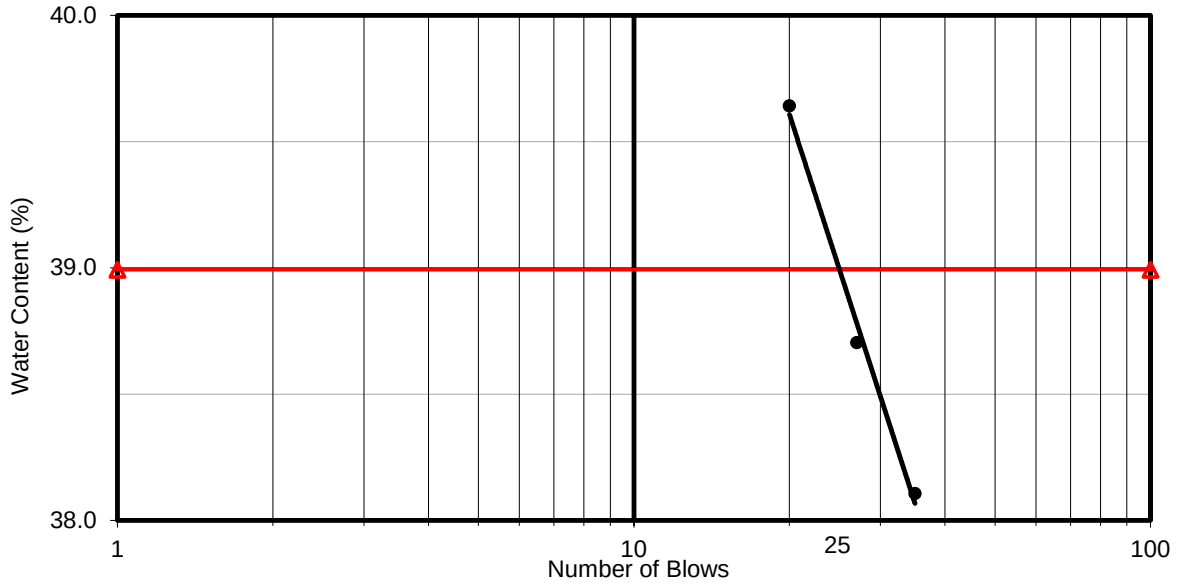
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**22-Apr-22**
Technician:	**HAB**
Lab Number:	**G336**
Borehole:	**SRK21-PF-BH04**
Sample Number:	**167838**
Depth of Sample:	**7m - 7.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1L	K3	8m			**X**	56	72	
NUMBER OF BLOWS	35	27	20			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	17.79	17.78	18.18			556.37	32.95	32.88	
MASS DRY SOIL + TARE (g)	14.89	14.85	15.08			478.66	31.08	30.90	
MASS OF WATER (g)	2.90	2.93	3.10			77.71	1.87	1.98	
MASS OF CONTAINER (g)	7.28	7.28	7.26			235.96	21.31	20.85	
MASS OF DRY SOIL (g)	7.61	7.57	7.82			242.70	9.77	10.05	
WATER CONTENT W (%)	38.1	38.7	39.6			32.0	19.1	19.7	

LIQUID LIMIT (%)	**39.0**
PLASTIC LIMIT (%)	**19.4**
PLASTICITY INDEX (%)	**19.6**
W NATURAL (%)	**32.0**
LIQUIDITY INDEX	**0.64**

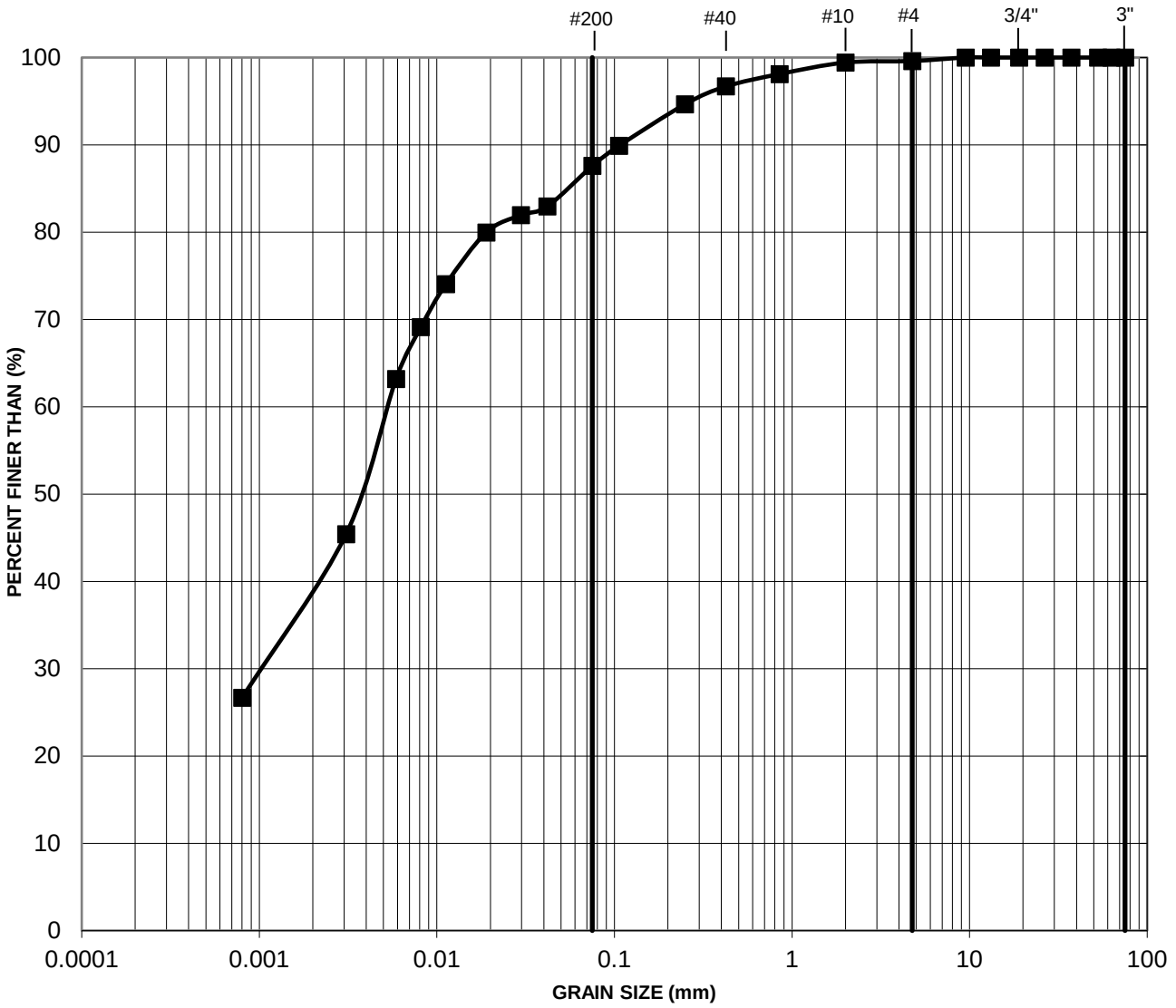


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-SOS-BH-02	167063	5.5m - 6.1m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

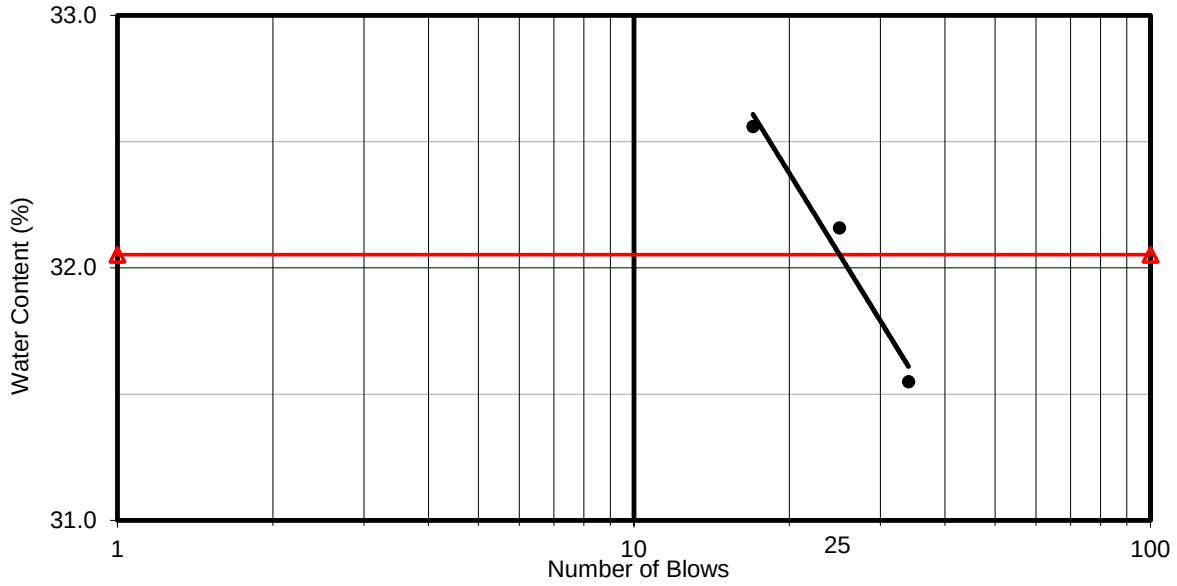
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**22-Apr-22**
Technician:	**HAB**
Lab Number:	**G338**
Borehole:	**SRK22-SOS-BH-02**
Sample Number:	**167063**
Depth of Sample:	**5.5m - 6.1m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	67	70	89			X	R8	MR29	
NUMBER OF BLOWS	34	25	17			X	X	X	X
MASS WET SOIL + TARE (g)	23.01	22.61	22.35			785.09	24.80	25.62	
MASS DRY SOIL + TARE (g)	20.12	19.78	19.54			671.06	23.16	23.98	
MASS OF WATER (g)	2.89	2.83	2.81			114.03	1.64	1.64	
MASS OF CONTAINER (g)	10.96	10.98	10.91			235.26	13.73	14.25	
MASS OF DRY SOIL (g)	9.16	8.80	8.63			435.80	9.43	9.73	
WATER CONTENT W (%)	31.6	32.2	32.6			26.2	17.4	16.9	

LIQUID LIMIT (%)	**32.1**
PLASTIC LIMIT (%)	**17.1**
PLASTICITY INDEX (%)	**14.9**
W NATURAL (%)	**26.2**
LIQUIDITY INDEX	**0.61**

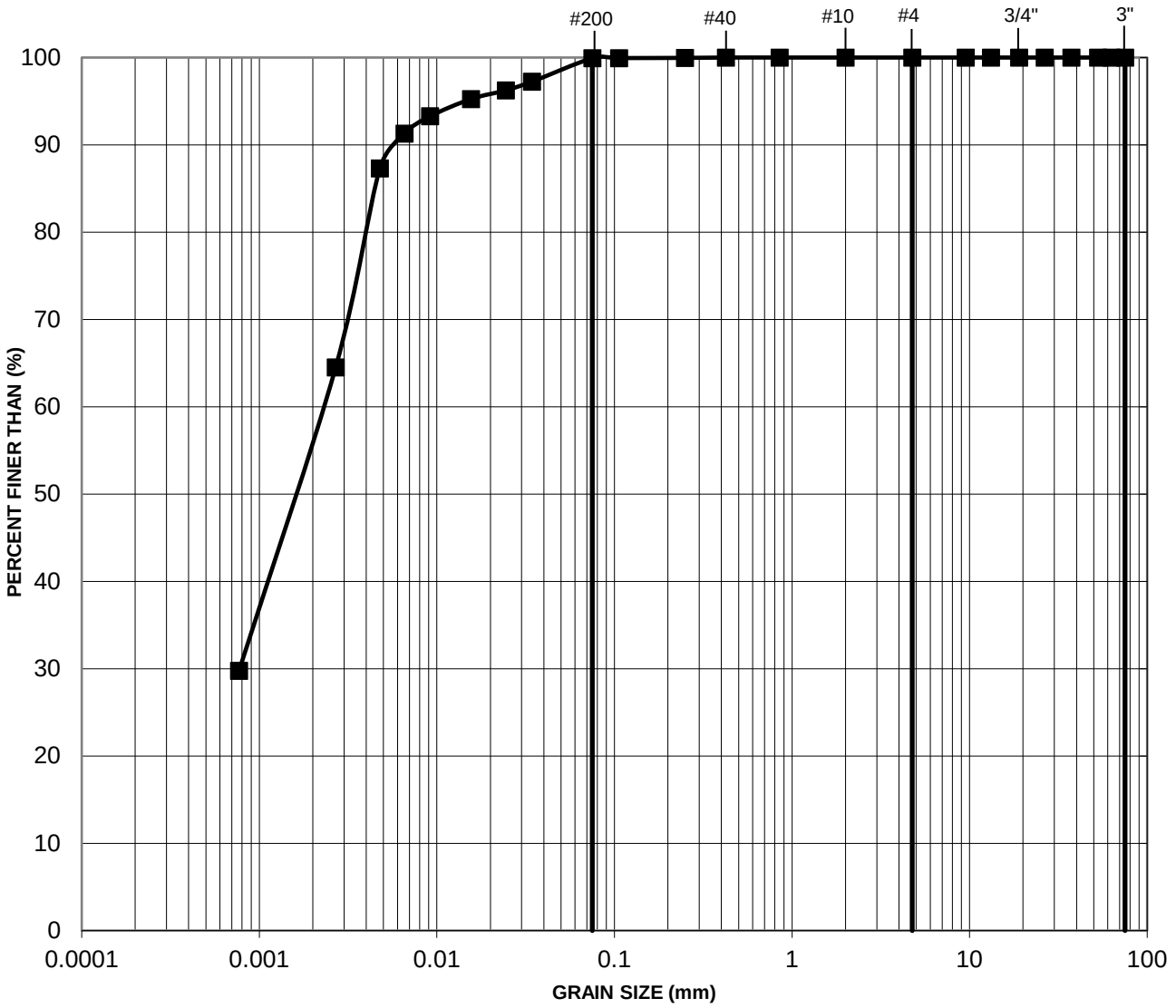


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-SOS-BH-02	167068	18m - 18.6m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

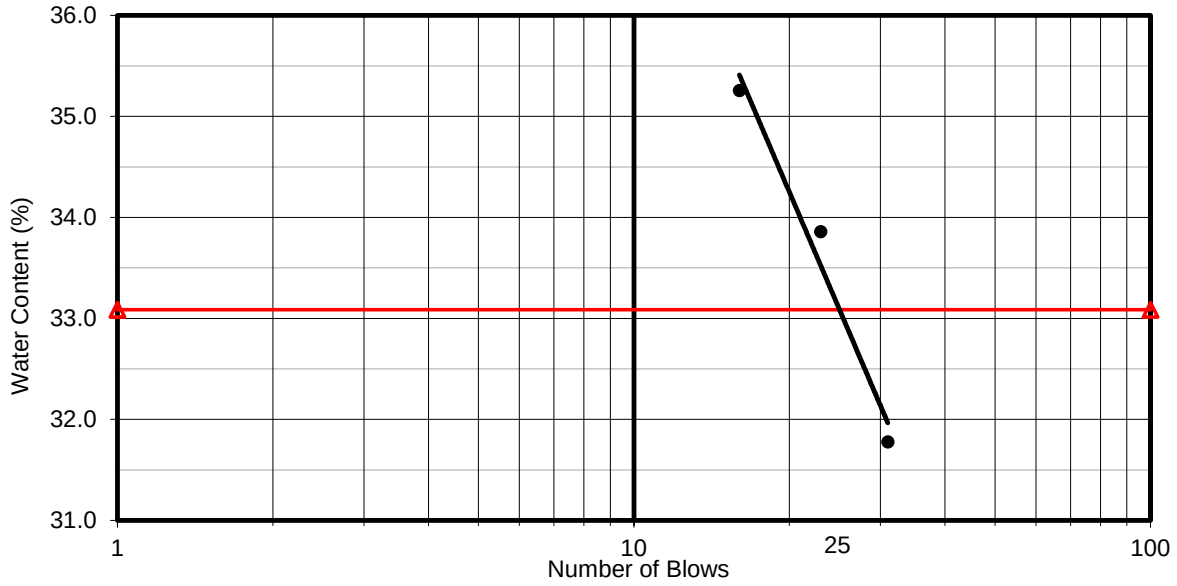
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**25-Apr-22**
Technician:	**HAB**
Lab Number:	**G339**
Borehole:	**SRK22-SOS-BH-02**
Sample Number:	**167068**
Depth of Sample:	**18m - 18.6m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	14	39	401			**X**	N	Z	
NUMBER OF BLOWS	31	23	16			**X**	**X**	**X**	**X**
MASS WET SOIL + TARE (g)	21.90	21.91	21.58			666.55	25.96	25.88	
MASS DRY SOIL + TARE (g)	19.31	19.13	18.83			566.36	23.97	23.96	
MASS OF WATER (g)	2.59	2.78	2.75			100.19	1.99	1.92	
MASS OF CONTAINER (g)	11.16	10.92	11.03			266.98	14.31	14.26	
MASS OF DRY SOIL (g)	8.15	8.21	7.80			299.38	9.66	9.70	
WATER CONTENT W (%)	31.8	33.9	35.3			33.5	20.6	19.8	

LIQUID LIMIT (%)	**33.1**
PLASTIC LIMIT (%)	**20.2**
PLASTICITY INDEX (%)	**12.9**
W NATURAL (%)	**33.5**
LIQUIDITY INDEX	**1.03**

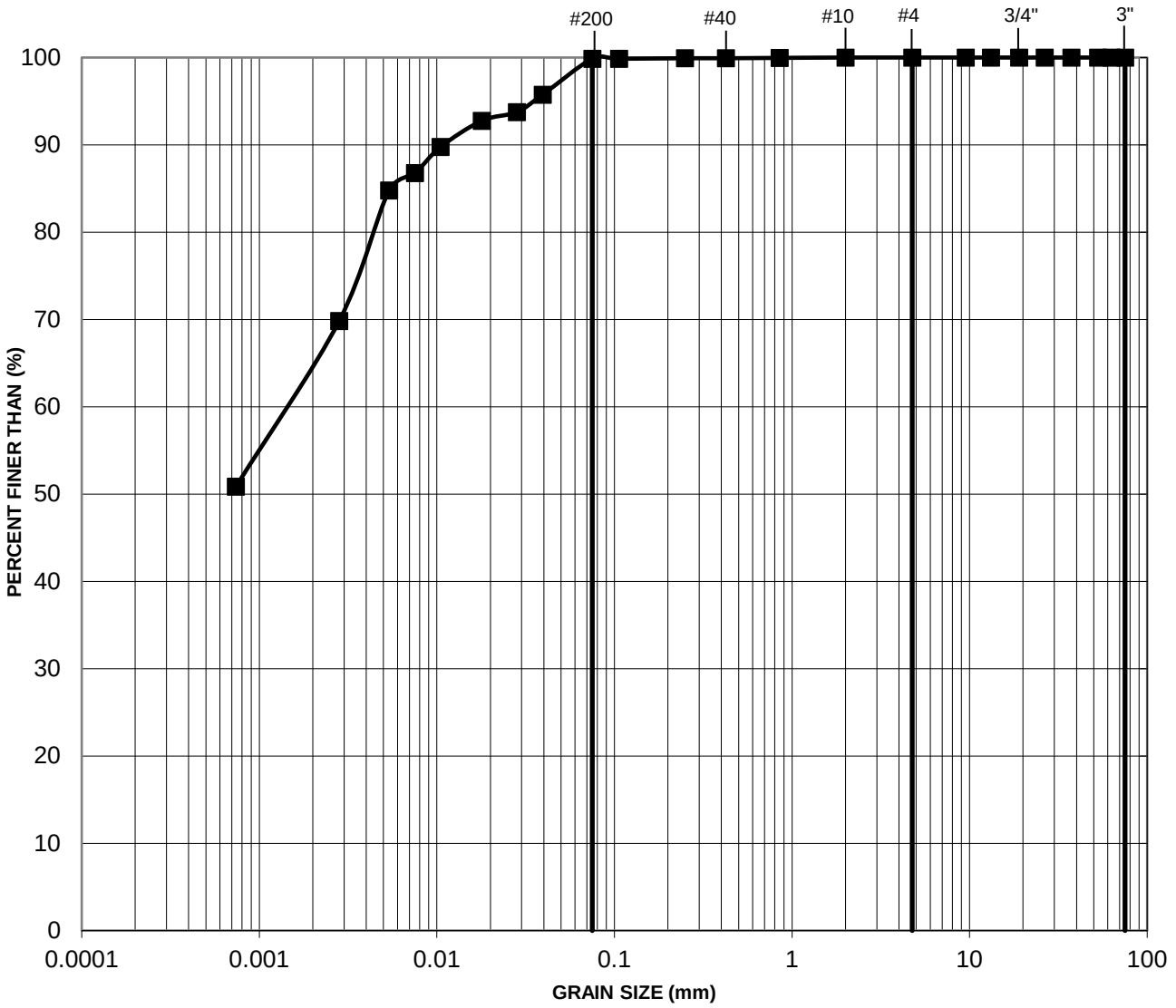


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK21-WRD-BH16	167981	11.3m - 11.9m

Project No./Phase/Task: 21504835 ph2000

Project Name: SRK Consulting/SRK_LabSoilTesting_Crawford

Reviewed by: TG

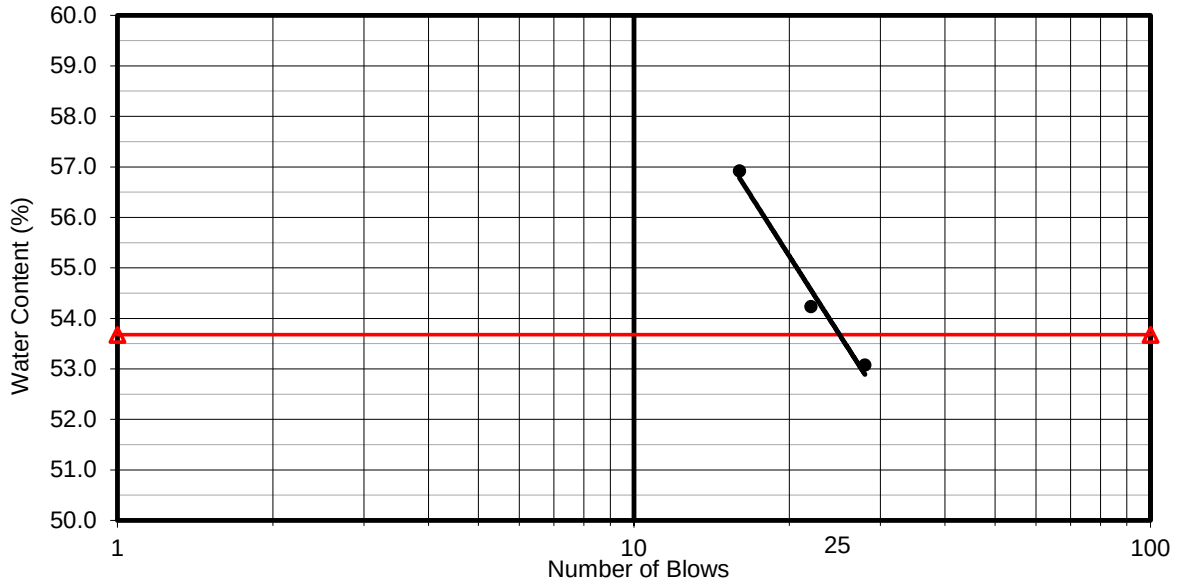
GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4318

Project No./Phase/Task:	**21504835 ph2000**
Project Name:	**SRK Consulting/SRK_LabSoilTesting_Crawford**
Test Date:	**25-Apr-22**
Technician:	**HAB**
Lab Number:	**G340**
Borehole:	**SRK21-WRD-BH16**
Sample Number:	**167981**
Depth of Sample:	**11.3m - 11.9m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5	8	69			X	A	R4	
NUMBER OF BLOWS	28	22	16			X	X	X	X
MASS WET SOIL + TARE (g)	17.67	17.60	17.52			814.22	24.14	24.24	
MASS DRY SOIL + TARE (g)	14.05	13.95	13.78			609.89	22.16	22.16	
MASS OF WATER (g)	3.62	3.65	3.74			204.33	1.98	2.08	
MASS OF CONTAINER (g)	7.23	7.22	7.21			235.51	14.14	13.99	
MASS OF DRY SOIL (g)	6.82	6.73	6.57			374.38	8.02	8.17	
WATER CONTENT W (%)	53.1	54.2	56.9			54.6	24.7	25.5	

LIQUID LIMIT (%)	**53.7**
PLASTIC LIMIT (%)	**25.1**
PLASTICITY INDEX (%)	**28.6**
W NATURAL (%)	**54.6**
LIQUIDITY INDEX	**1.03**



SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835 ph3000
Project Name:	SRK Lab Testing
Client:	SRK Consulting
Org:	1194
Scheduled By:	Erick Lino
Date Scheduled:	July 29, 2022
Due Date:	ASAP
Depth Units (select m/ft):	ft
Water Content Lab No.:	G703

Test Totals: 3 - 3 - - - - - -

Borehole Number	Sample Number	Sample Top Depth (ft)	Sample Bottom Depth (ft)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Organic Content	% Crushed	% ACP		Lab Number
SRK22-OP-BH-08	167725	104	105	x		x								G704
SRK22-OP-BH-08	167726	110	111	x		x								G705
SRK22-OP-BH-08	167727	124	125	x		x								G706

GOLDER

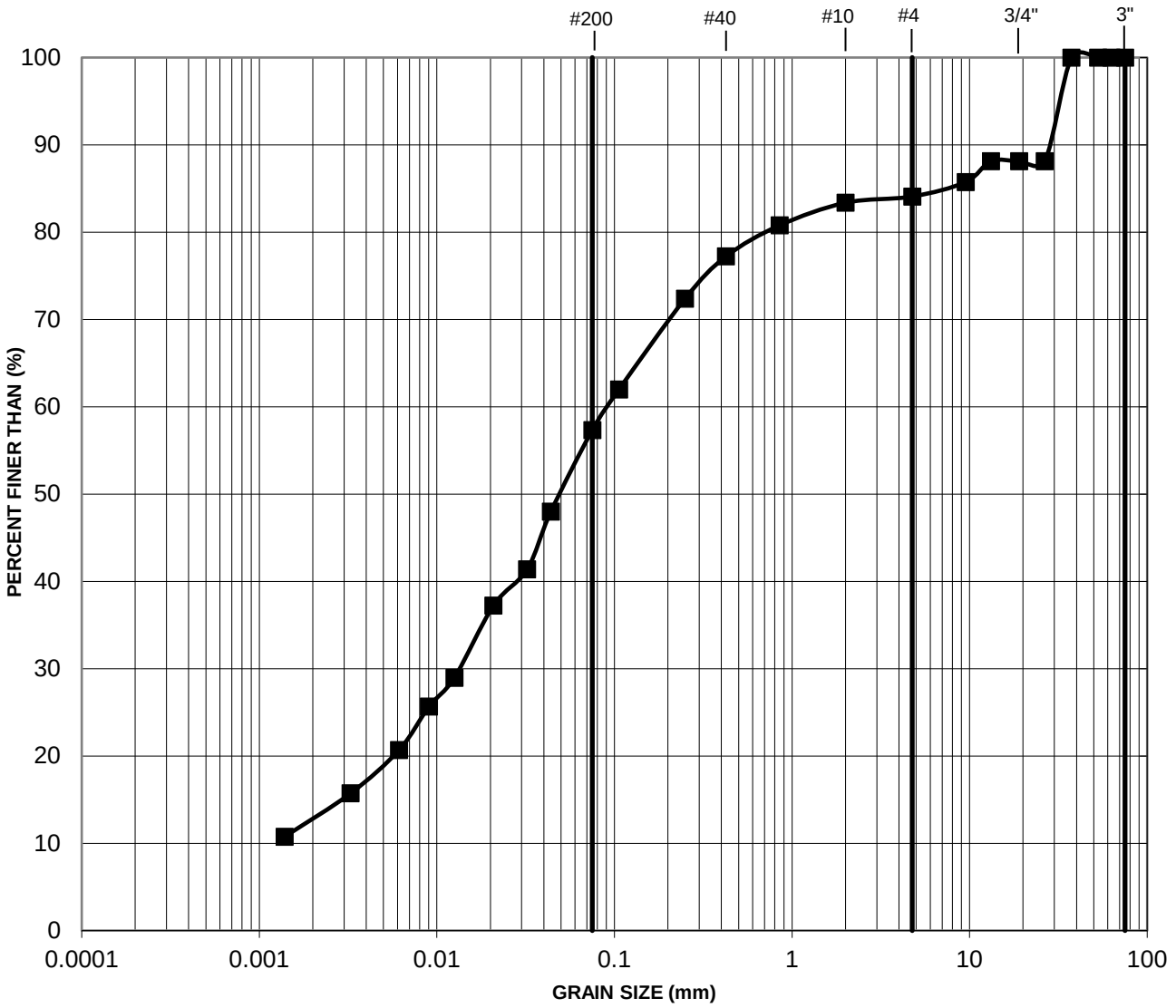
Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Lab Water Content No.:	**G703**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
SRK22-OP-BH-08	167725	104ft - 105ft	5.7				
SRK22-OP-BH-08	167726	110ft - 111ft	5.9				
SRK22-OP-BH-08	167727	124ft - 125ft	6.7				

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH-08	167725	104ft - 105ft

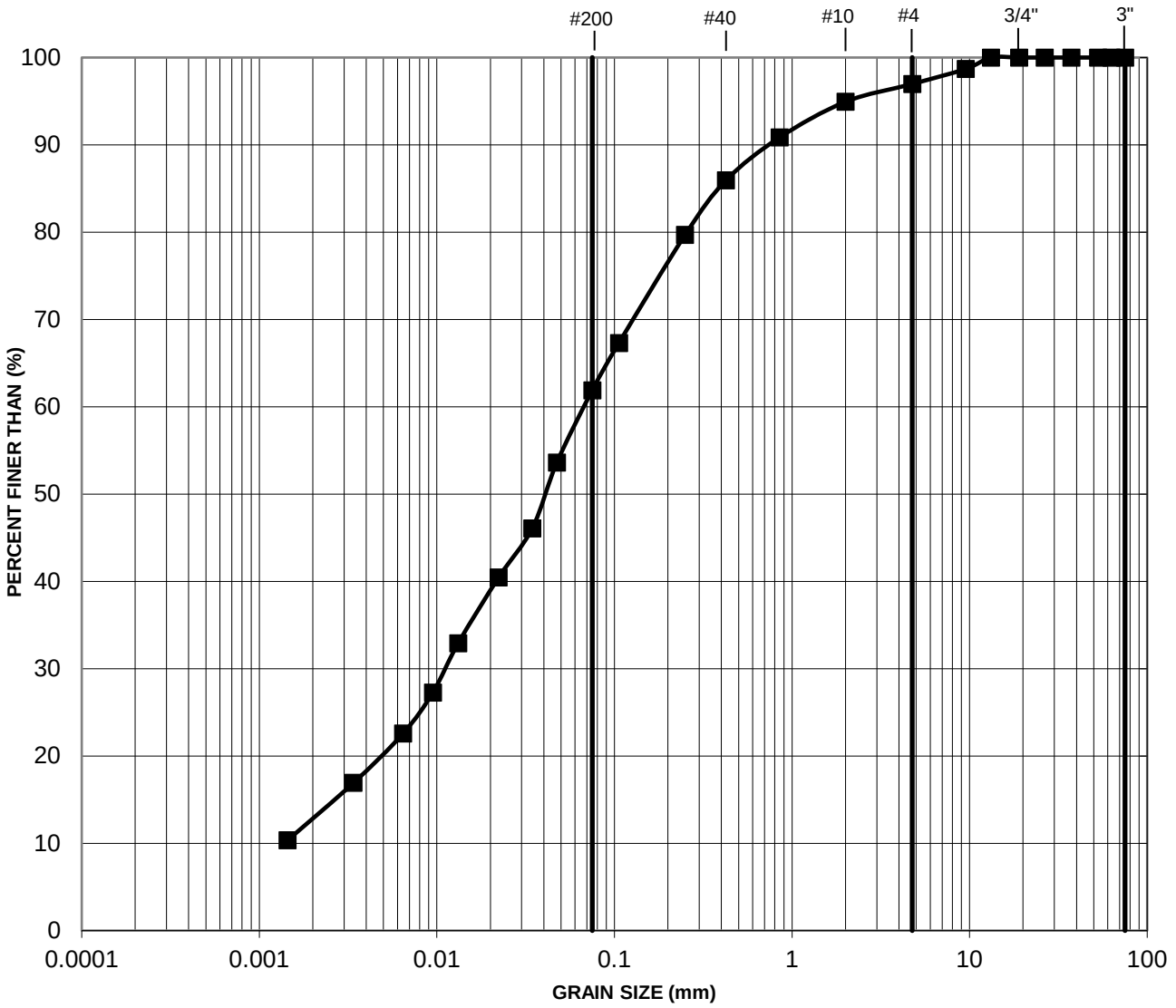
Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH-08	167726	110ft - 111ft

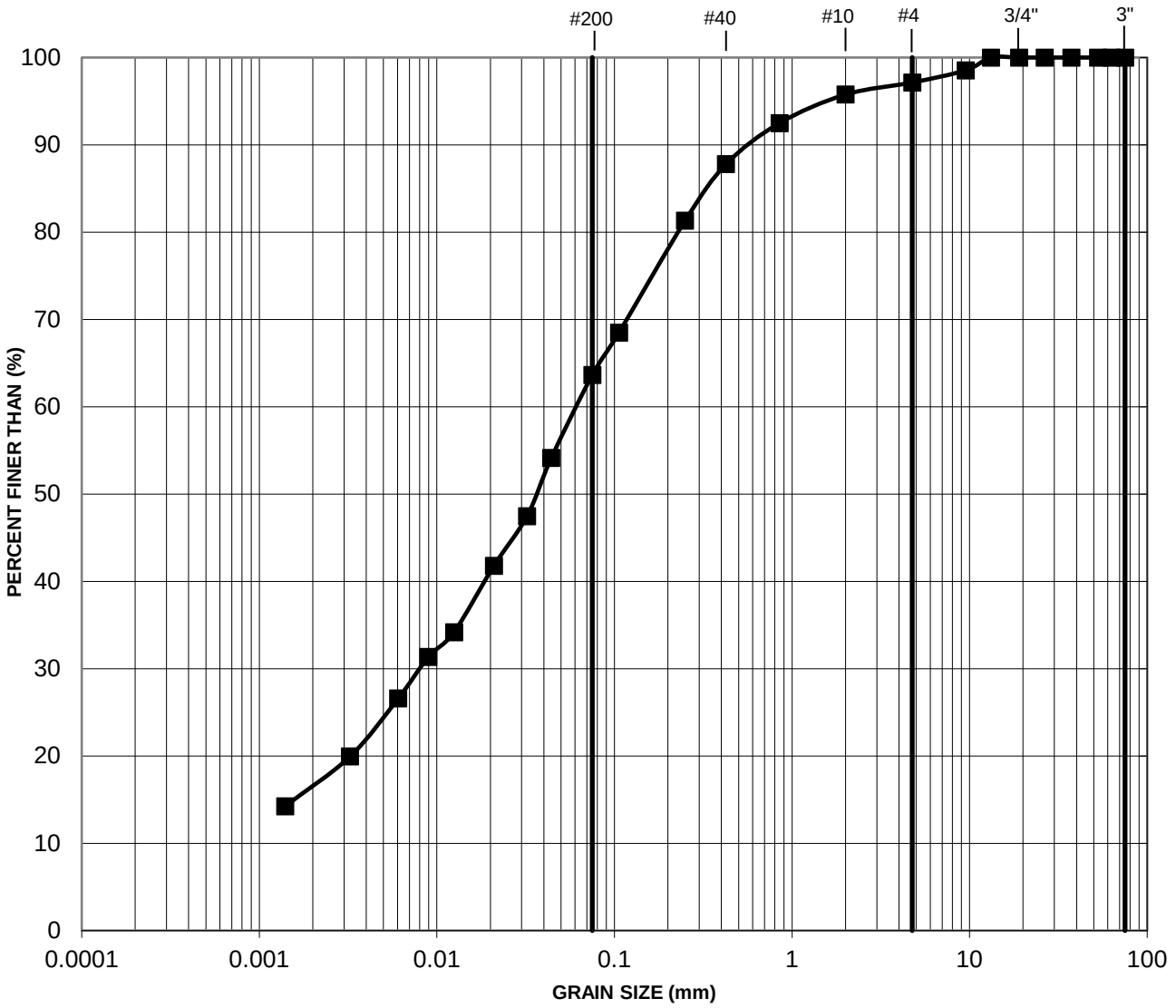
Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SRK22-OP-BH-08	167727	124ft - 125ft

Project No./Phase/Task: 21504835 ph3000

Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

SCHEDULE OF LABORATORY TESTS

Project No./Phase/Task:	21504835 ph3000
Project Name:	SRK Lab Testing
Client:	SRK Consulting
Org:	1194
Scheduled By:	Erick Lino SRK
Date Scheduled:	August 15, 2022
Due Date:	September 6, 2022
Depth Units (select m/ft):	m
Water Content Lab No.:	G718

Test Totals: 45 - 45 - 12 -

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Lab Number
WRD-BH-06	167813	2.1	2.4	x		x				G719
WRD-BH-06	167816	6.1	6.4	x		x				G720
WRD-BH-06	167819	12.2	12.5	x		x				G721
WRD-BH-06	167822	16.2	16.5	x		x				G722
WRD-BH-06	167824	19.2	19.5	x		x		x		G723
WRD-BH-06	167826	23.2	23.5	x		x				G724
WRD-BH-06	167828	28.3	28.7	x		x		x		G725
WRD-BH-06	167830	31.4	31.7	x		x				G726
WRD-BH-06	167832	37.5	37.8	x		x		x		G727
WRD-BH-17	167117	5.2	5.5	x		x				G728
WRD-BH-17	167118	7.6	7.9	x		x				G729
WRD-BH-17	167120	10.7	11.0	x		x		x		G730
WRD-BH-17	167123	19.5	19.8	x		x		x		G731
WRD-BH-17	167125	22.9	23.2	x		x				G732
WRD-BH-17	167127	28.3	28.7	x		x				G733
WRD-BH-17	167129	35.1	35.4	x		x		x		G734
WRD-BH-17	167130	37.8	38.1	x		x				G735
OP-BH-01	167351	29.3	29.6	x		x		x		G736
OP-BH-01	167364	34.4	34.7	x		x				G737
OP-BH-06	167631	11.6	12.2	x		x				G738
OP-BH-06	167633	14.6	15.2	x		x				G739
OP-BH-06	167635	17.7	18.3	x		x				G740
OP-BH-06	167640	25.6	25.9	x		x				G741
OP-BH-06	167644	32.0	32.3	x		x				G742
OP-BH-06	167648	37.8	38.1	x		x				G743
OP-BH-06	167650	40.8	41.1	x		x				G744
OP-BD-04	167606	8.8	9.1	x		x				G745
OP-BD-04	167607	10.4	10.7	x		x				G746

GOLDER

Borehole Number	Sample Number	Sample Top Depth (m)	Sample Bottom Depth (m)	Moisture Content	General Sieve	Hydrometer	Granualar Gradation	Atterberg Limits	Proctor	Lab Number
OP-BD-04	167609	12.8	13.1	x		x		x		G747
OP-BD-04	167611	15.8	16.2	x		x				G748
OP-BD-04	167615	22.6	22.9	x		x				G749
OP-BD-04	167617	26.2	26.5	x		x				G750
OP-BD-04	167619	30.5	30.8	x		x				G751
OP-BD-04	167621	35.1	35.4	x		x		x		G752
OP-BD-04	167623	40.2	40.5	x		x				G753
OP-BD-11	35104	28.0	28.3	x		x				G754
OP-BD-11	35107	36.6	36.9	x		x				G755
OP-BH-07	35124	18.3	18.6	x		x		x		G756
OP-BH-07	35128	22.9	23.2	x		x		x		G757
SOS-BH-01	58437	20.4	20.7	x		x				G758
SOS-BH-01	58439	20.9	21.2	x		x				G759
SOS-BH-01	58441	23.8	24.4	x		x				G760
SOS-BH-01	58445	29.0	29.3	x		x				G761
SOS-BH-01	58447	33.5	33.8	x		x		x		G762
SOS-BH-01	58449	36.9	37.2	x		x				G763

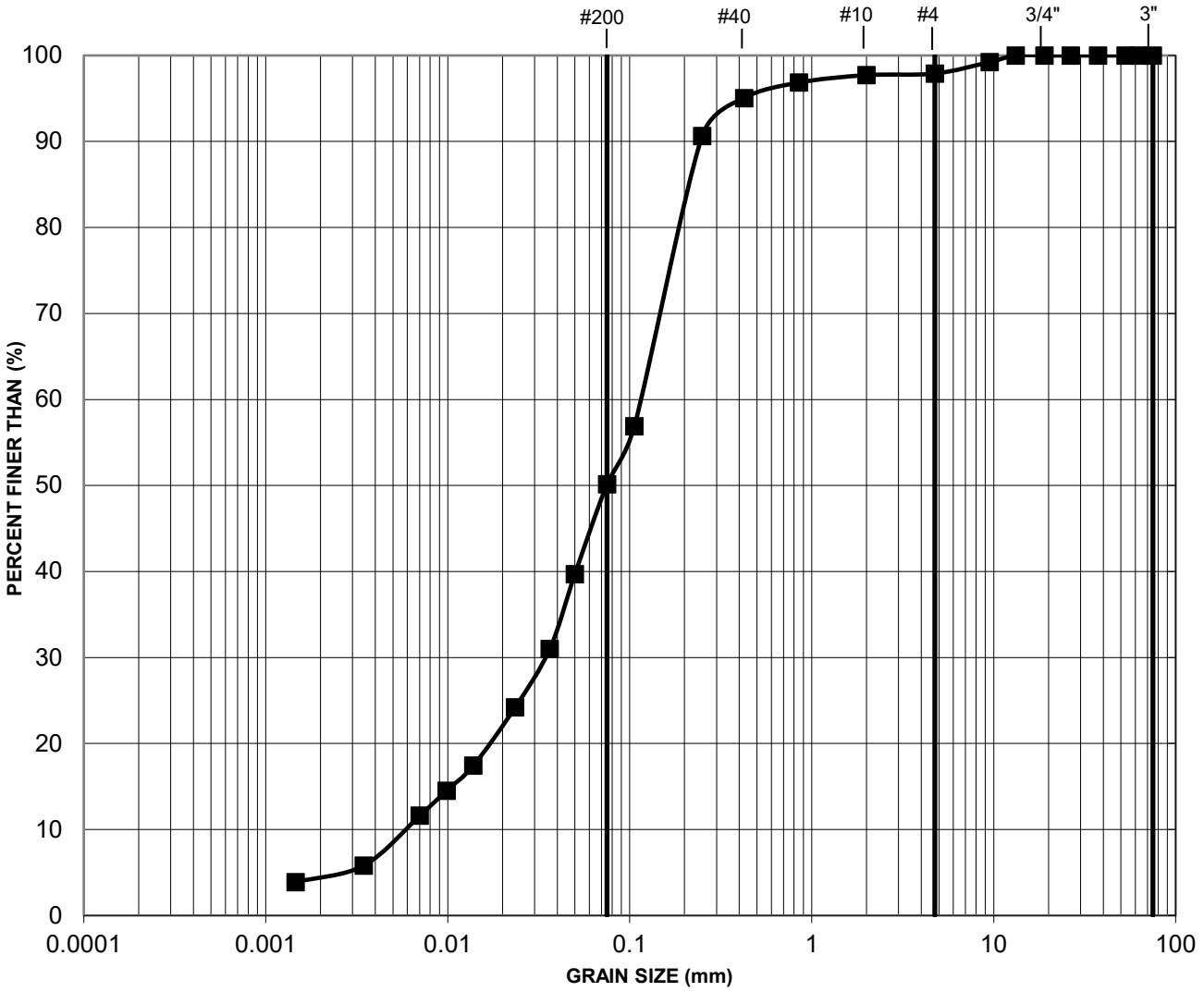
GOLDER

Summary of Water Content and Atterberg Limit Determinations
ASTM D2216 and ASTM D4318

Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Lab Water Content No.:	**G718**
Reviewed by:	**TG**

Borehole	Sample No.	Depth	Water Content (%)	Atterberg Limits			
				LL	PL	PI	LI
WRD-BH-06	167813	2.1m - 2.4m	no sample				
WRD-BH-06	167816	6.1m - 6.4m	no sample				
WRD-BH-06	167819	12.2m - 12.5m	13.3				
WRD-BH-06	167822	16.2m - 16.5m	20.6				
WRD-BH-06	167824	19.2m - 19.5m	25.6	40.5	22.2	18.3	0.2
WRD-BH-06	167826	23.2m - 23.5m	16.9				
WRD-BH-06	167828	28.3m - 28.7m	9.3	Non-plastic			
WRD-BH-06	167830	31.4m - 31.7m	no sample				
WRD-BH-06	167832	37.5m - 37.8m	no sample				
WRD-BH-17	167117	5.2m - 5.5m	8.5				
WRD-BH-17	167118	7.6m - 7.9m	9.8				
WRD-BH-17	167120	10.7m - 11m	8.7	Non-plastic			
WRD-BH-17	167123	19.5m - 19.8m	14.7	Non-plastic			
WRD-BH-17	167125	22.9m - 23.2m	22.4				
WRD-BH-17	167127	28.3m - 28.7m	19.2				
WRD-BH-17	167129	35.1m - 35.4m	10.7	Non-plastic			
WRD-BH-17	167130	37.8m - 38.1m	12.9				
OP-BH-01	167351	29.3m - 29.6m	no sample				
OP-BH-01	167364	34.4m - 34.7m	11.2				
OP-BH-06	167631	11.6m - 12.2m	18.4				
OP-BH-06	167633	14.6m - 15.2m	19.3				
OP-BH-06	167635	17.7m - 18.3m	13.5				
OP-BH-06	167640	25.6m - 25.9m	13.2				
OP-BH-06	167644	32m - 32.3m	7.3				
OP-BH-06	167648	37.8m - 38.1m	18.5				
OP-BH-06	167650	40.8m - 41.1m	14.5				
OP-BD-04	167606	8.8m - 9.1m	13.4				
OP-BD-04	167607	10.4m - 10.7m	18.1				
OP-BD-04	167609	12.8m - 13.1m	17.5	35.3	20.8	14.5	-0.2
OP-BD-04	167611	15.8m - 16.2m	22.5				
OP-BD-04	167615	22.6m - 22.9m	12.5				
OP-BD-04	167617	26.2m - 26.5m	13.7				
OP-BD-04	167619	30.5m - 30.8m	no sample				
OP-BD-04	167621	35.1m - 35.4m	8.9	Non-plastic			
OP-BD-04	167623	40.2m - 40.5m	13.8				
OP-BD-11	35104	28m - 28.3m	10.0				
OP-BD-11	35107	36.6m - 36.9m	9.3				
OP-BH-07	35124	18.3m - 18.6m	23.1	48.0	24.7	23.3	-0.1
OP-BH-07	35128	22.9m - 23.2m	21.9	27.2	21.0	6.2	0.2
SOS-BH-01	58437	20.4m - 20.7m	14.1				
SOS-BH-01	58439	20.9m - 21.2m	11.7				
SOS-BH-01	58441	23.8m - 24.4m	9.8				

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

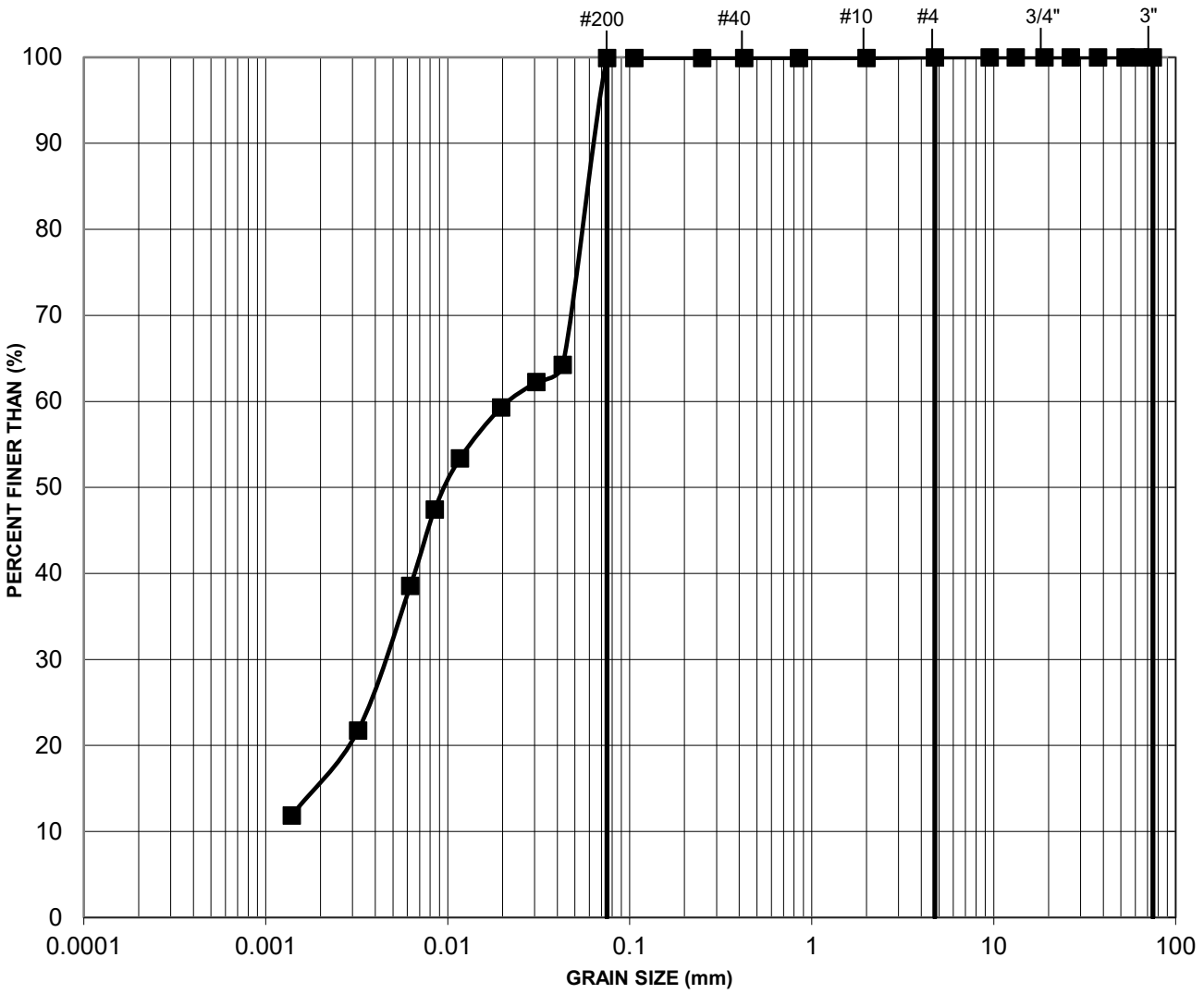
BH / Location	Sample	Depth
WRD-BH-06	167819	12.192m - 12.4968m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

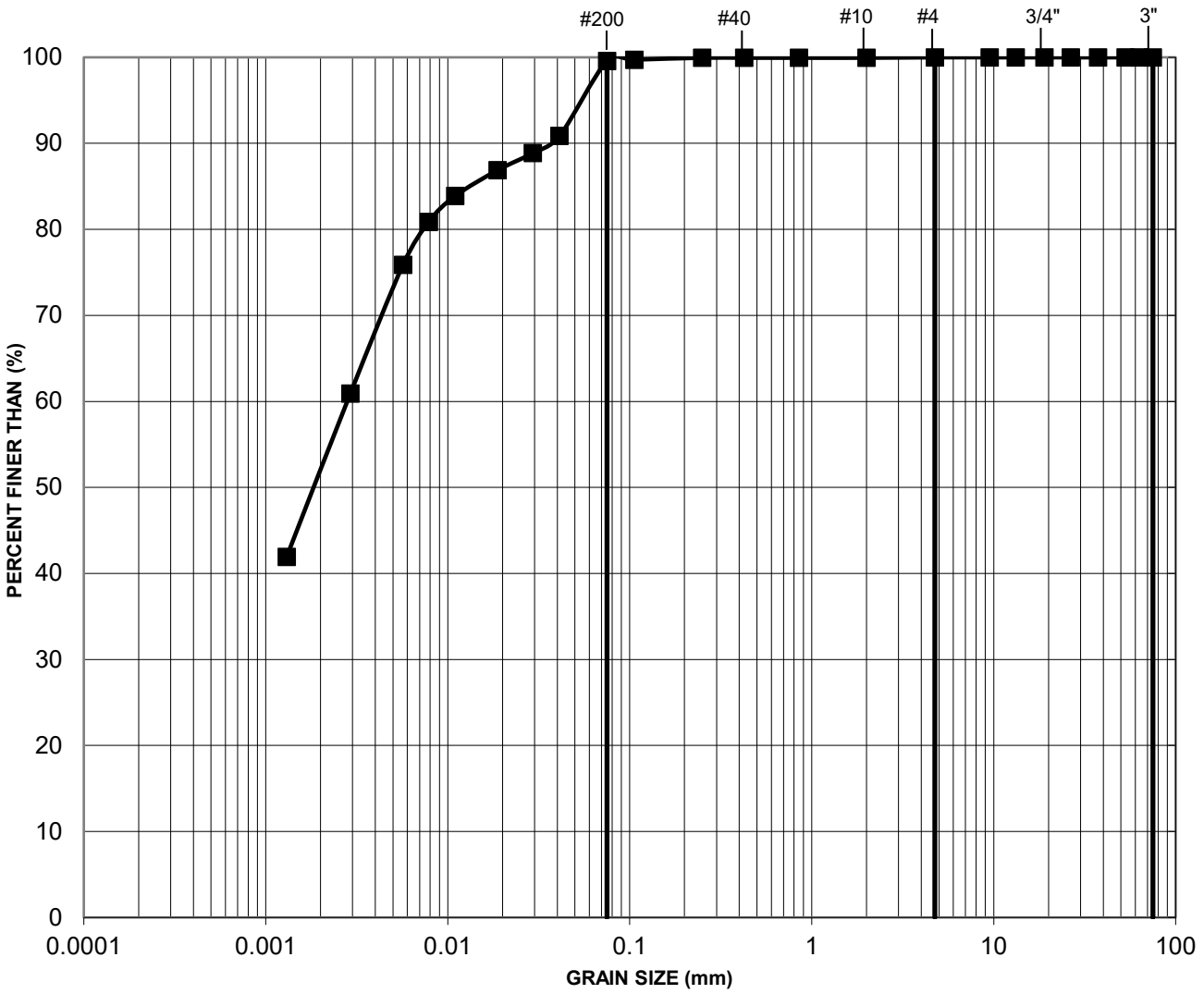
BH / Location	Sample	Depth
WRD-BH-06	167822	6.1544m - 16.4592r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
WRD-BH-06	167824	9.2024m - 19.5072r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

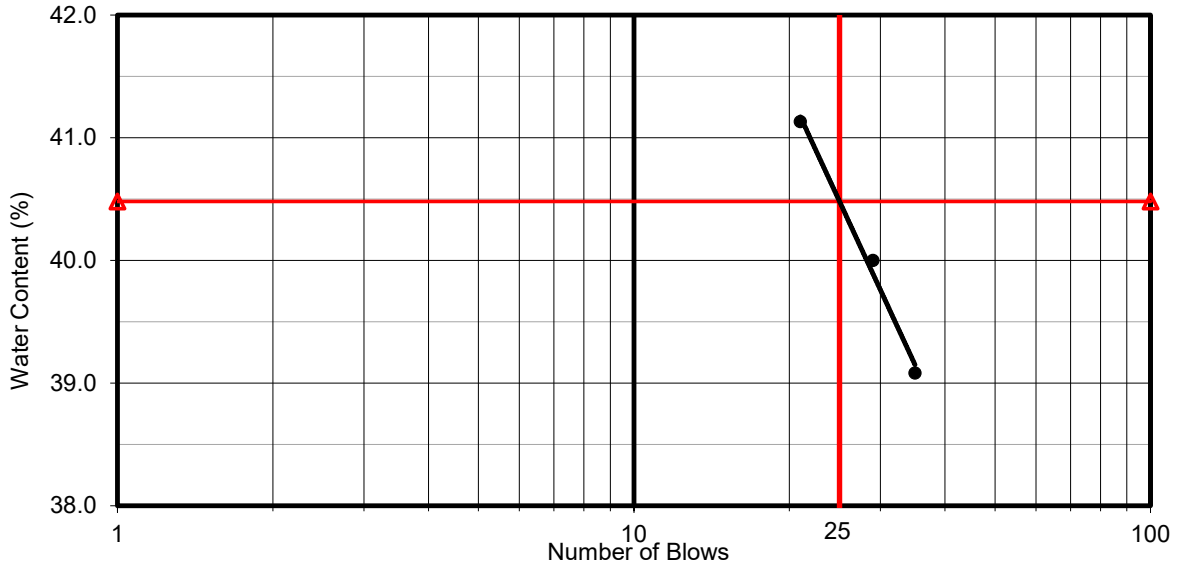
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**16-Aug-22**
Technician:	**HAB**
Lab Number:	**G723**
Borehole:	**WRD-BH-06**
Sample Number:	**167824**
Depth of Sample:	**19.2024m - 19.5072m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	5	r3	5m			X	mr15	r24	
NUMBER OF BLOWS	35	21	29			X	X	X	X
MASS WET SOIL + TARE (g)	18.43	18.25	20.03			652.97	25.63	26.70	
MASS DRY SOIL + TARE (g)	15.28	15.05	16.35			598.44	23.42	24.50	
MASS OF WATER (g)	3.15	3.20	3.68			54.53	2.21	2.20	
MASS OF CONTAINER (g)	7.22	7.27	7.15			385.37	13.52	14.56	
MASS OF DRY SOIL (g)	8.06	7.78	9.20			213.07	9.90	9.94	
WATER CONTENT W (%)	39.1	41.1	40.0			25.6	22.3	22.1	

LIQUID LIMIT (%)	**40.5**
PLASTIC LIMIT (%)	**22.2**
PLASTICITY INDEX (%)	**18.3**
W NATURAL (%)	**25.6**
LIQUIDITY INDEX	**0.18**

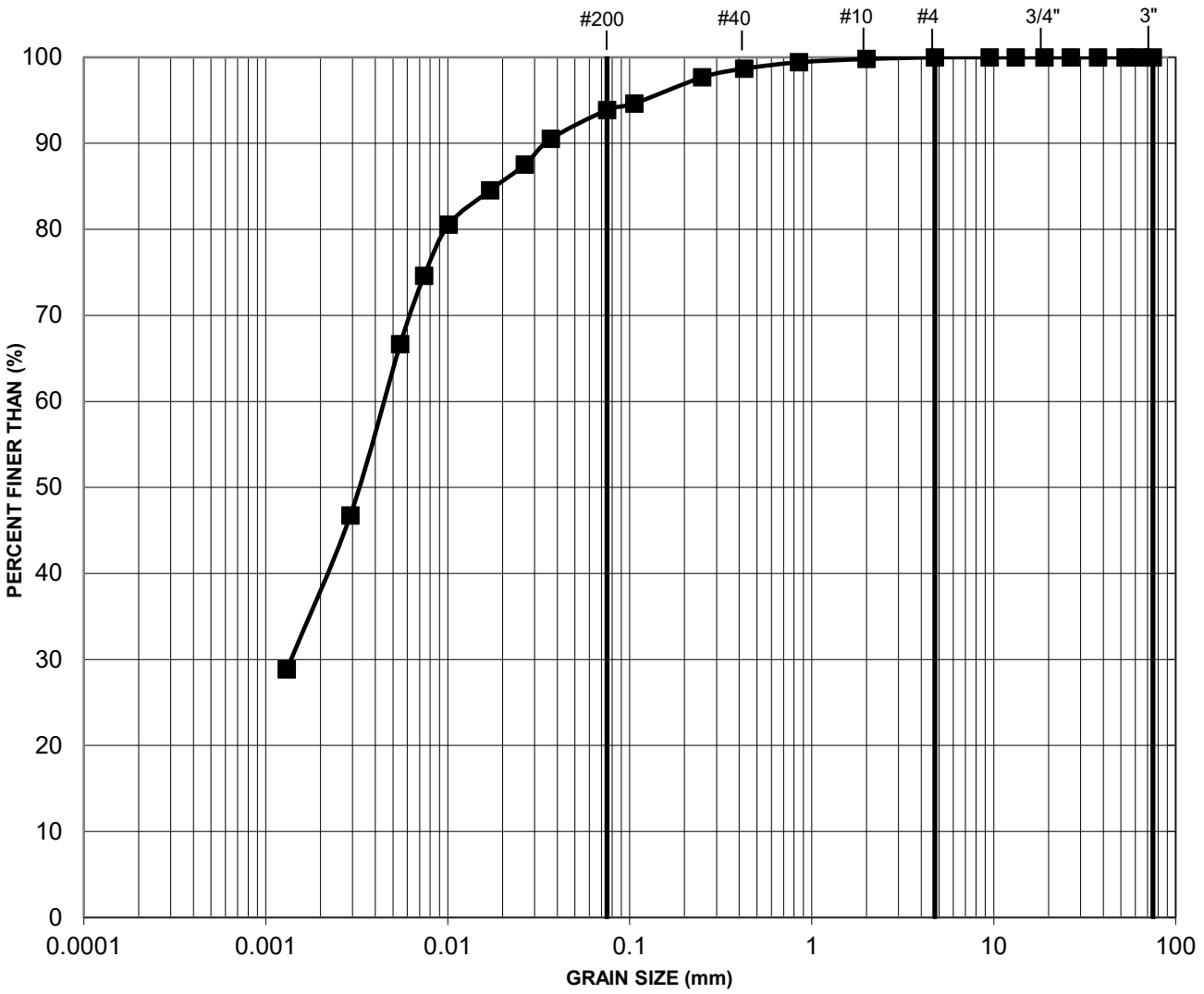


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

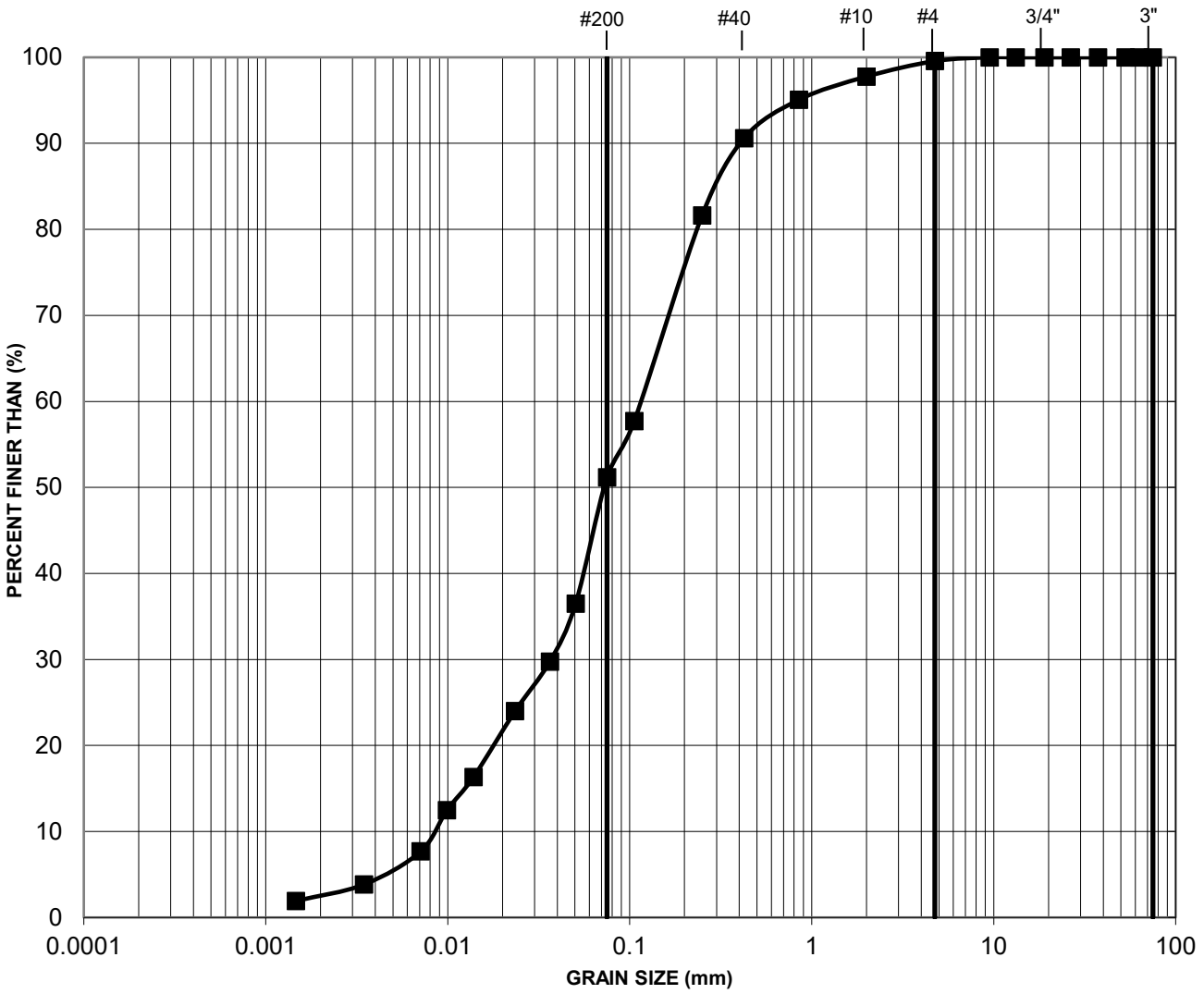
BH / Location	Sample	Depth
WRD-BH-06	167826	3.1648m - 23.4696r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
WRD-BH-06	167828	8.3464m - 28.6512r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

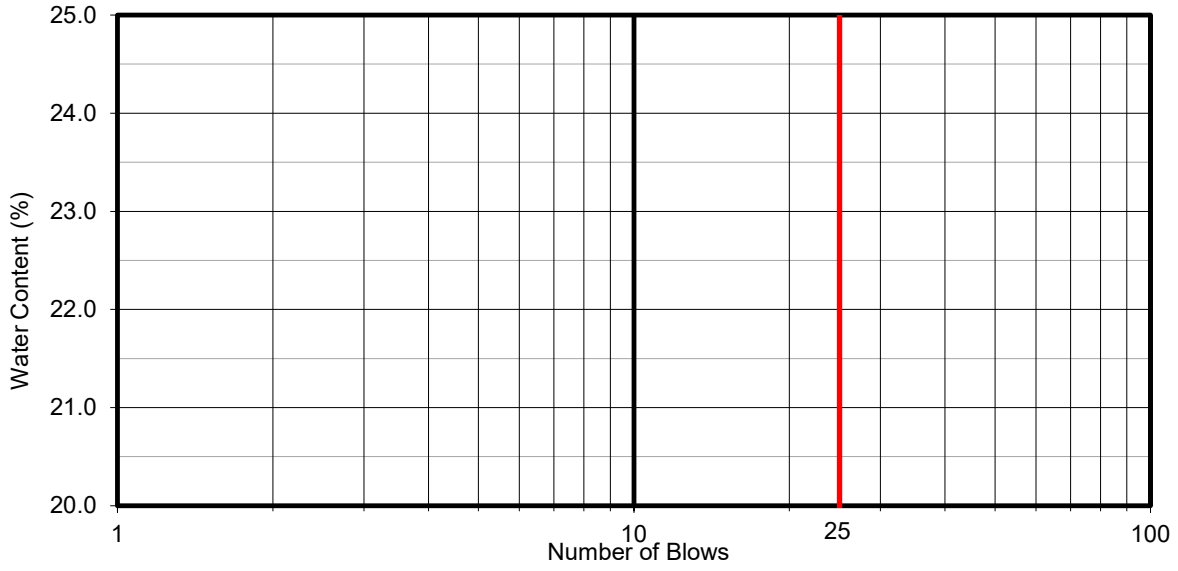
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**18-Aug-22**
Technician:	**HAB**
Lab Number:	**G725**
Borehole:	**WRD-BH-06**
Sample Number:	**167828**
Depth of Sample:	**28.3464m - 28.6512m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						821.95			
MASS DRY SOIL + TARE (g)						772.16			
MASS OF WATER (g)						49.79			
MASS OF CONTAINER (g)						237.77			
MASS OF DRY SOIL (g)						534.39			
WATER CONTENT W (%)						9.3			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

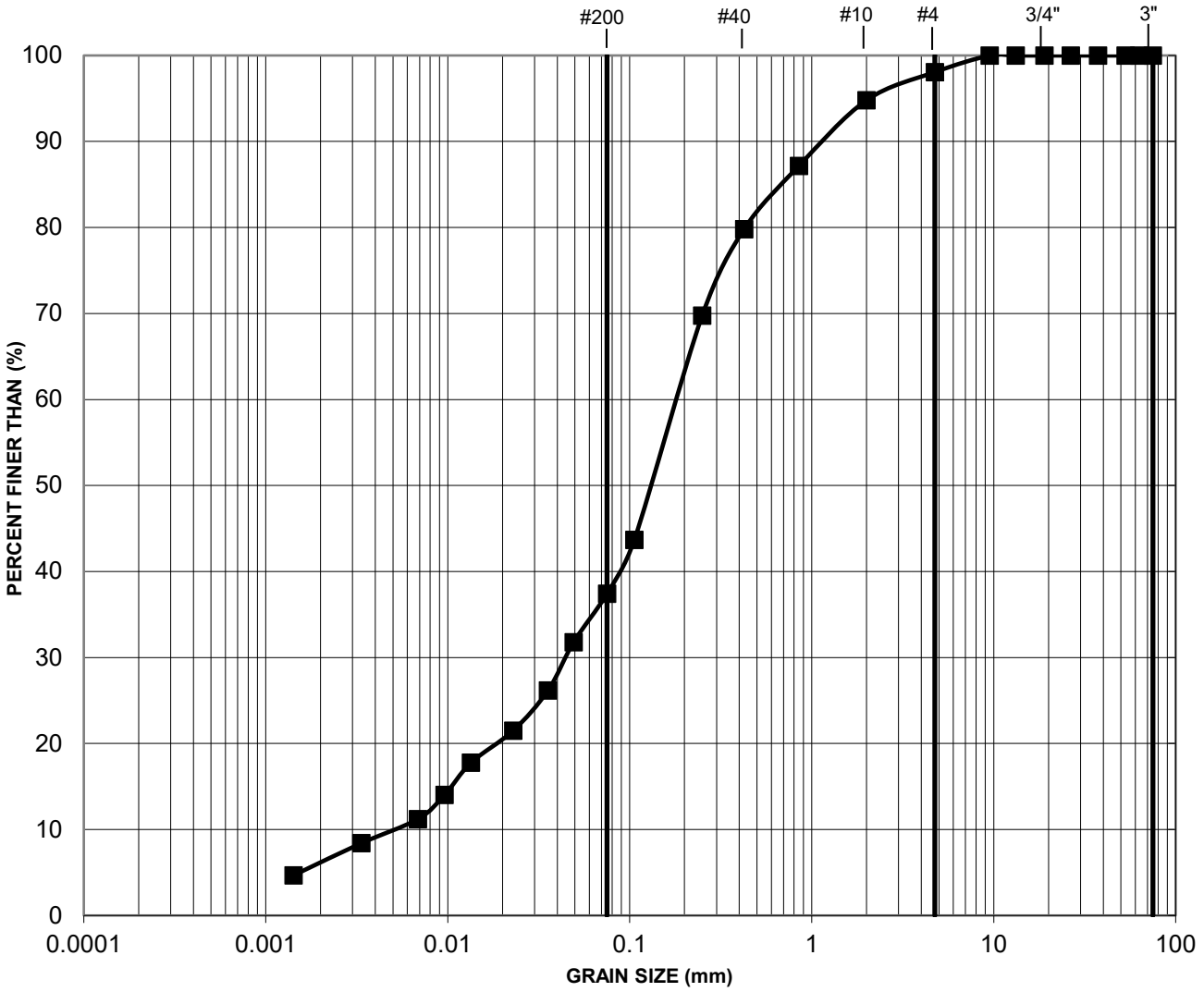


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

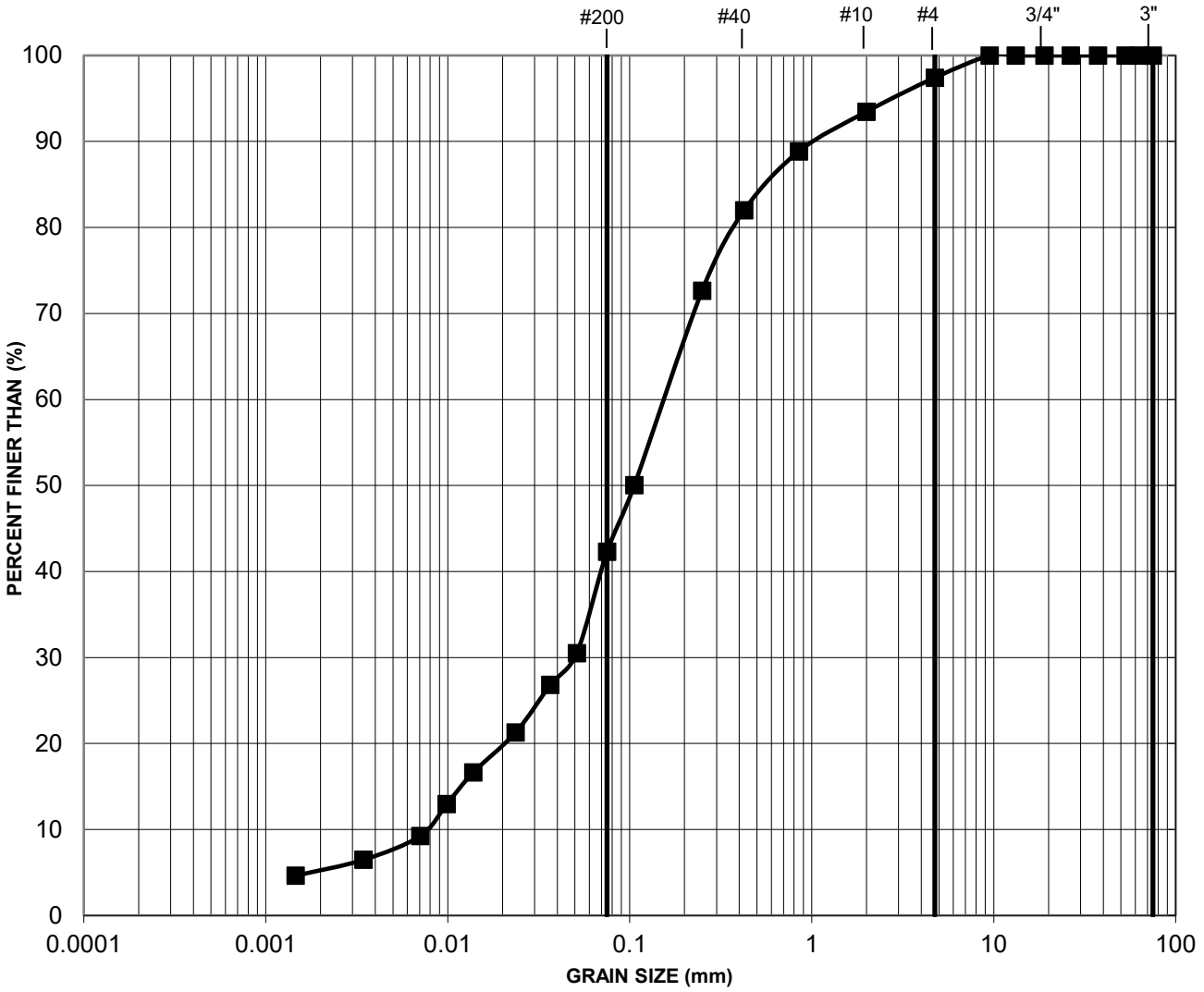
BH / Location	Sample	Depth
WRD-BH-17	167117	5.1816m - 5.4864m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

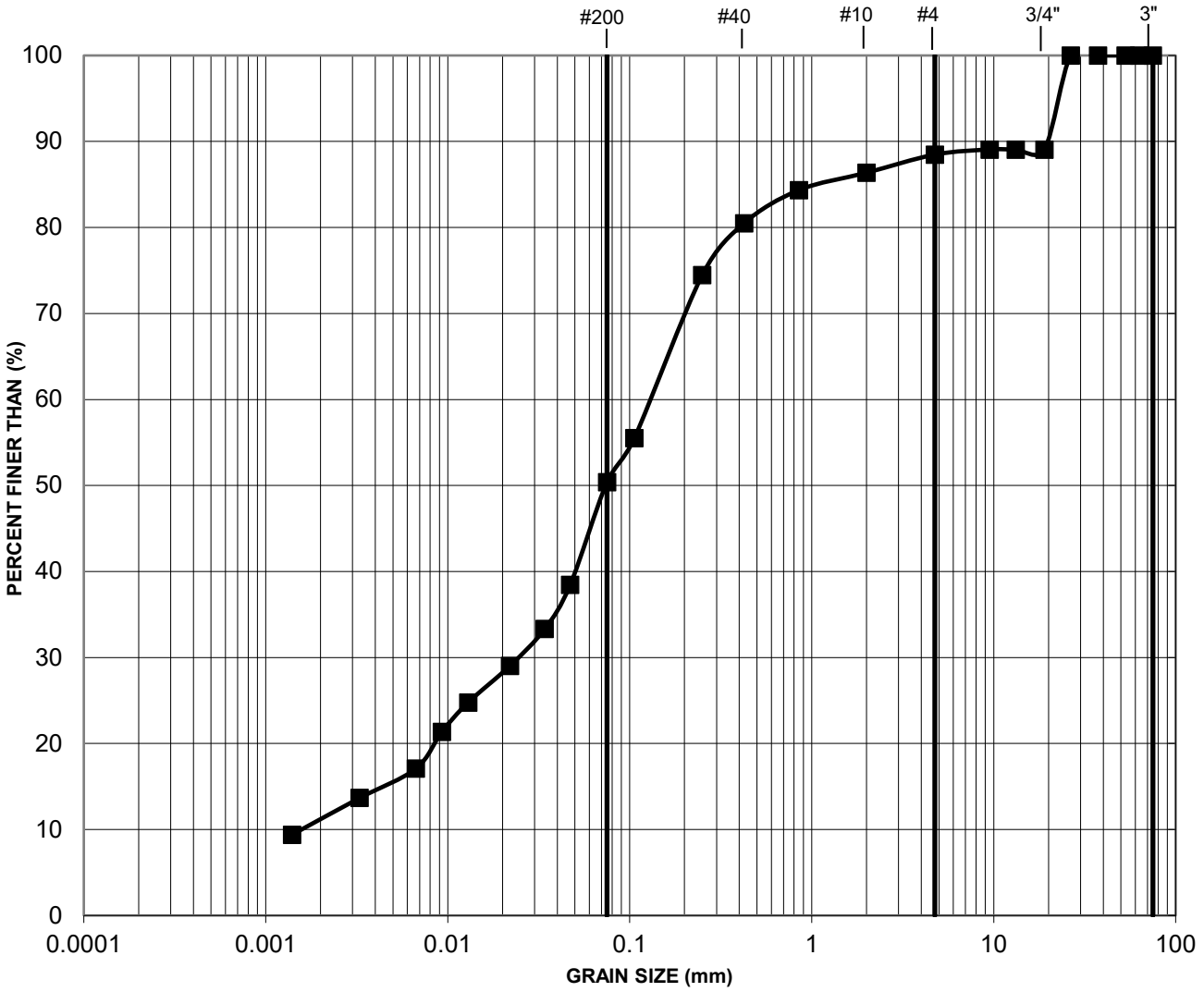
BH / Location	Sample	Depth
WRD-BH-17	167118	7.62m - 7.9248m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
WRD-BH-17	167120	10.668m - 10.9728m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

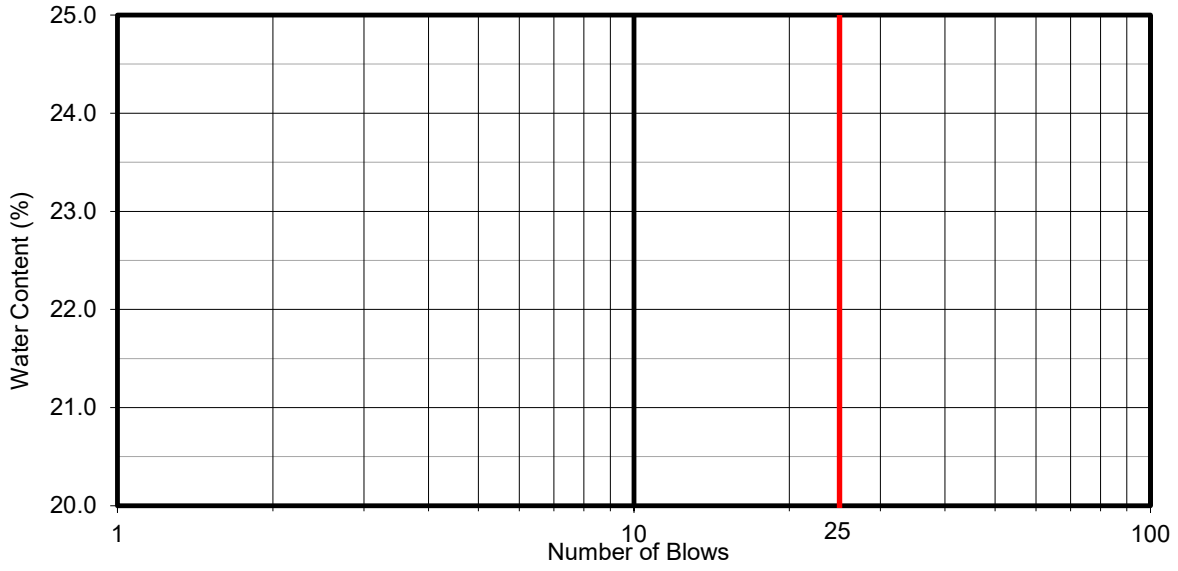
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**18-Aug-22**
Technician:	**HAB**
Lab Number:	**G730**
Borehole:	**WRD-BH-17**
Sample Number:	**167120**
Depth of Sample:	**10.668m - 10.9728m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						910.48			
MASS DRY SOIL + TARE (g)						868.50			
MASS OF WATER (g)						41.98			
MASS OF CONTAINER (g)						386.16			
MASS OF DRY SOIL (g)						482.34			
WATER CONTENT W (%)						8.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

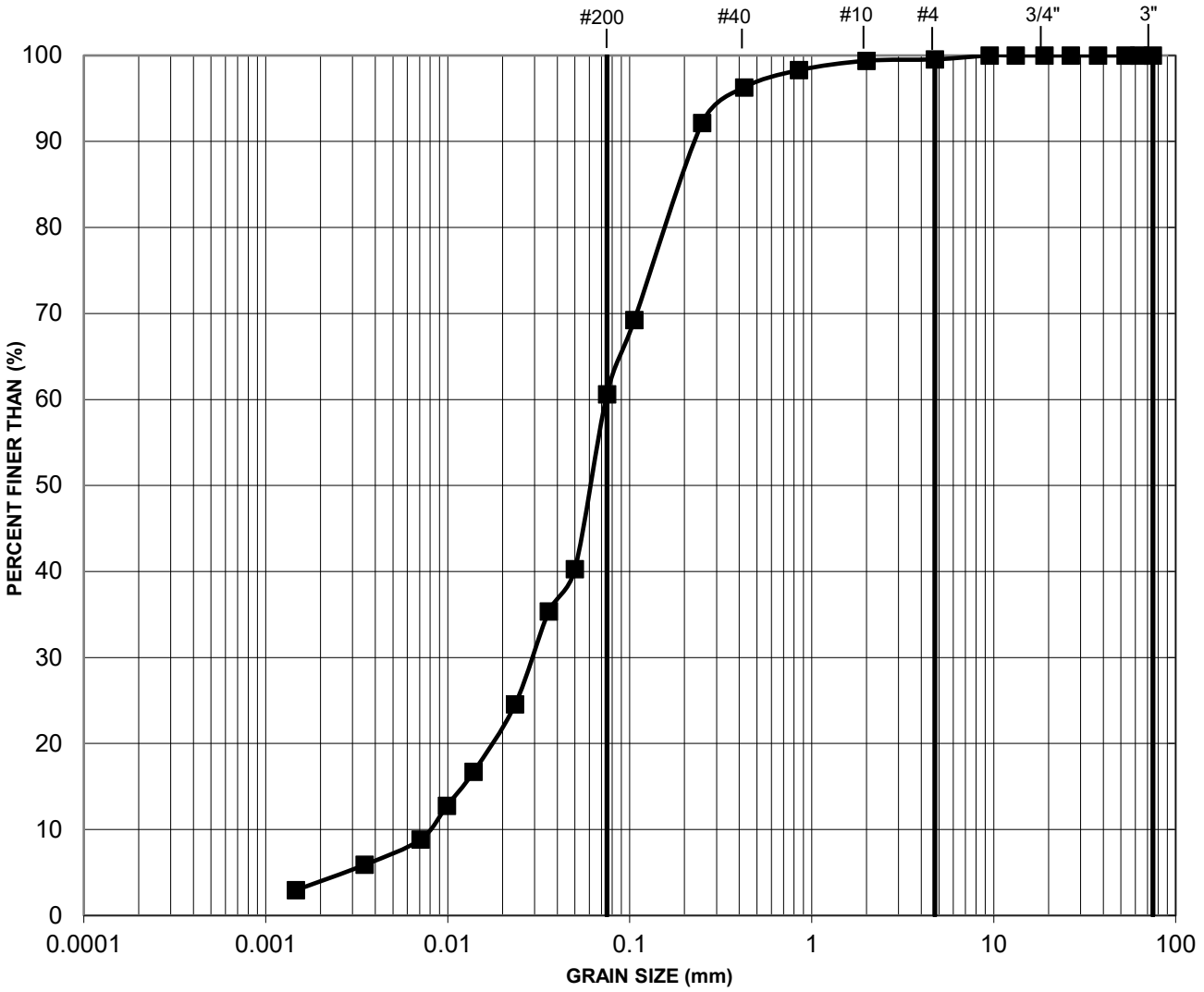


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
WRD-BH-17	167123	19.5072m - 19.812m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

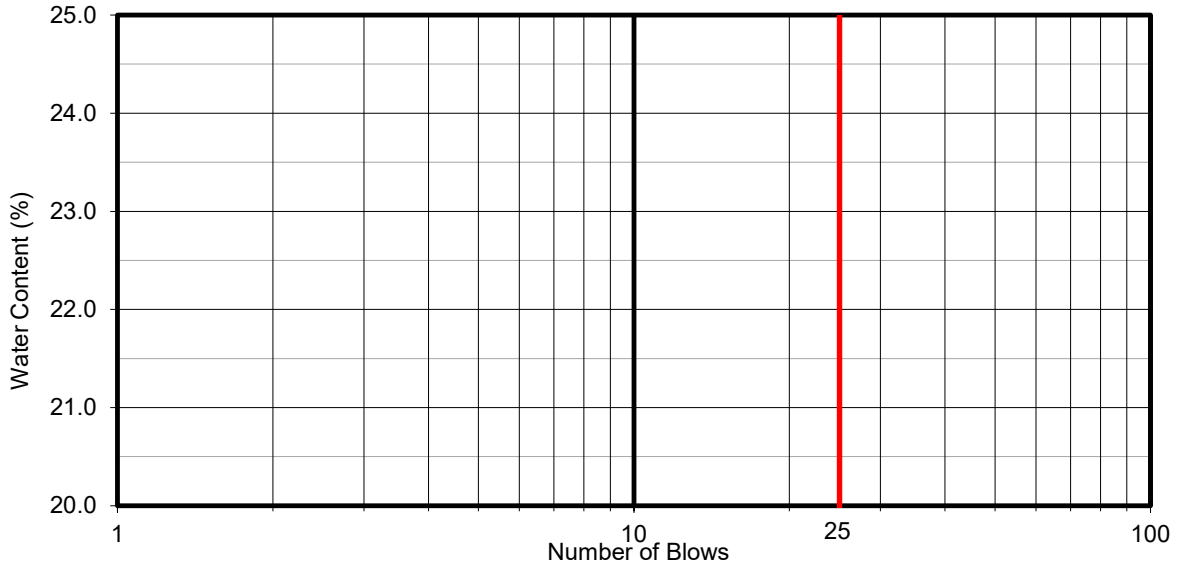
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**18-Aug-22**
Technician:	**HAB**
Lab Number:	**G731**
Borehole:	**WRD-BH-17**
Sample Number:	**167123**
Depth of Sample:	**19.5072m - 19.812m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						653.34			
MASS DRY SOIL + TARE (g)						618.42			
MASS OF WATER (g)						34.92			
MASS OF CONTAINER (g)						380.88			
MASS OF DRY SOIL (g)						237.54			
WATER CONTENT W (%)						14.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

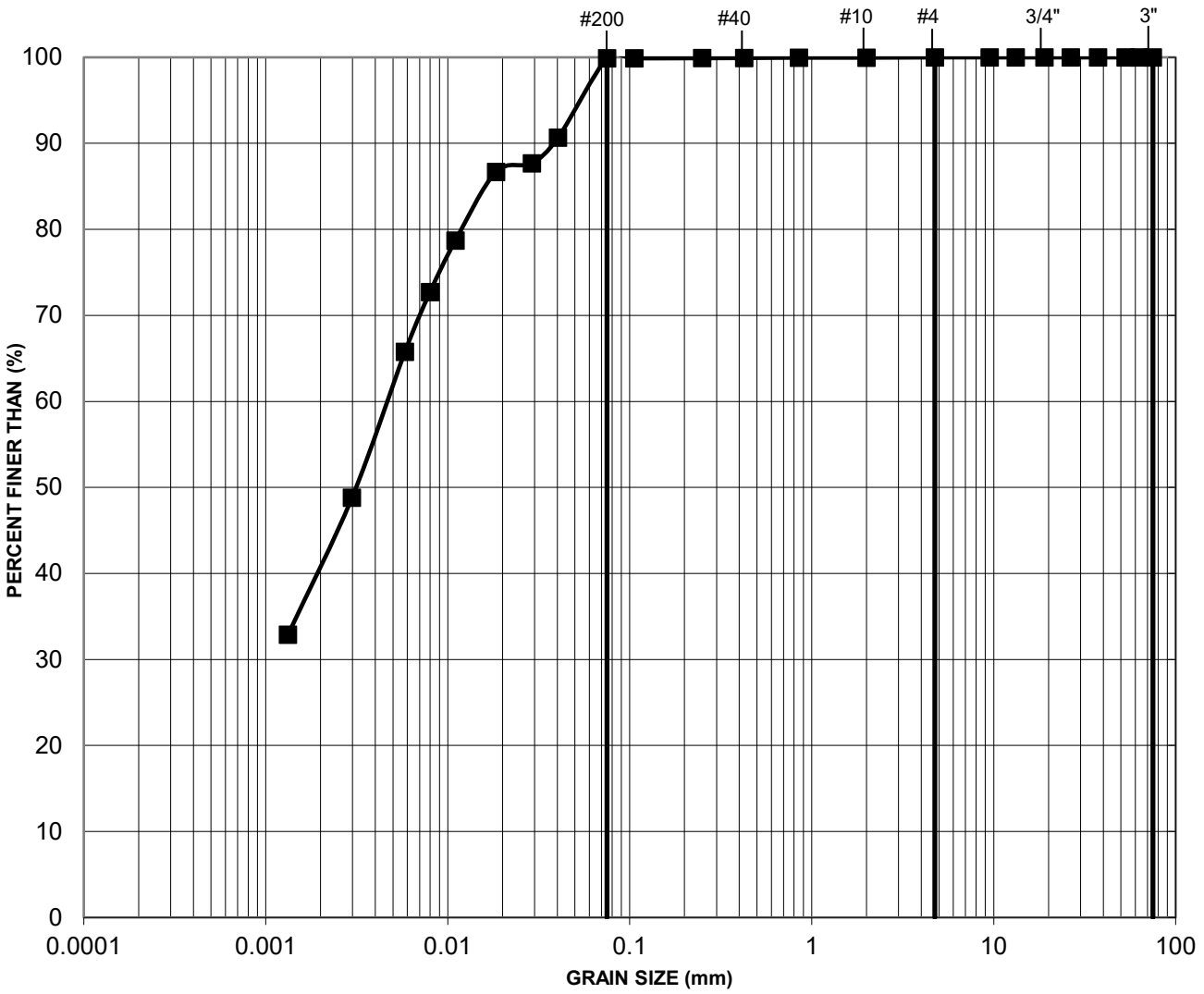


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

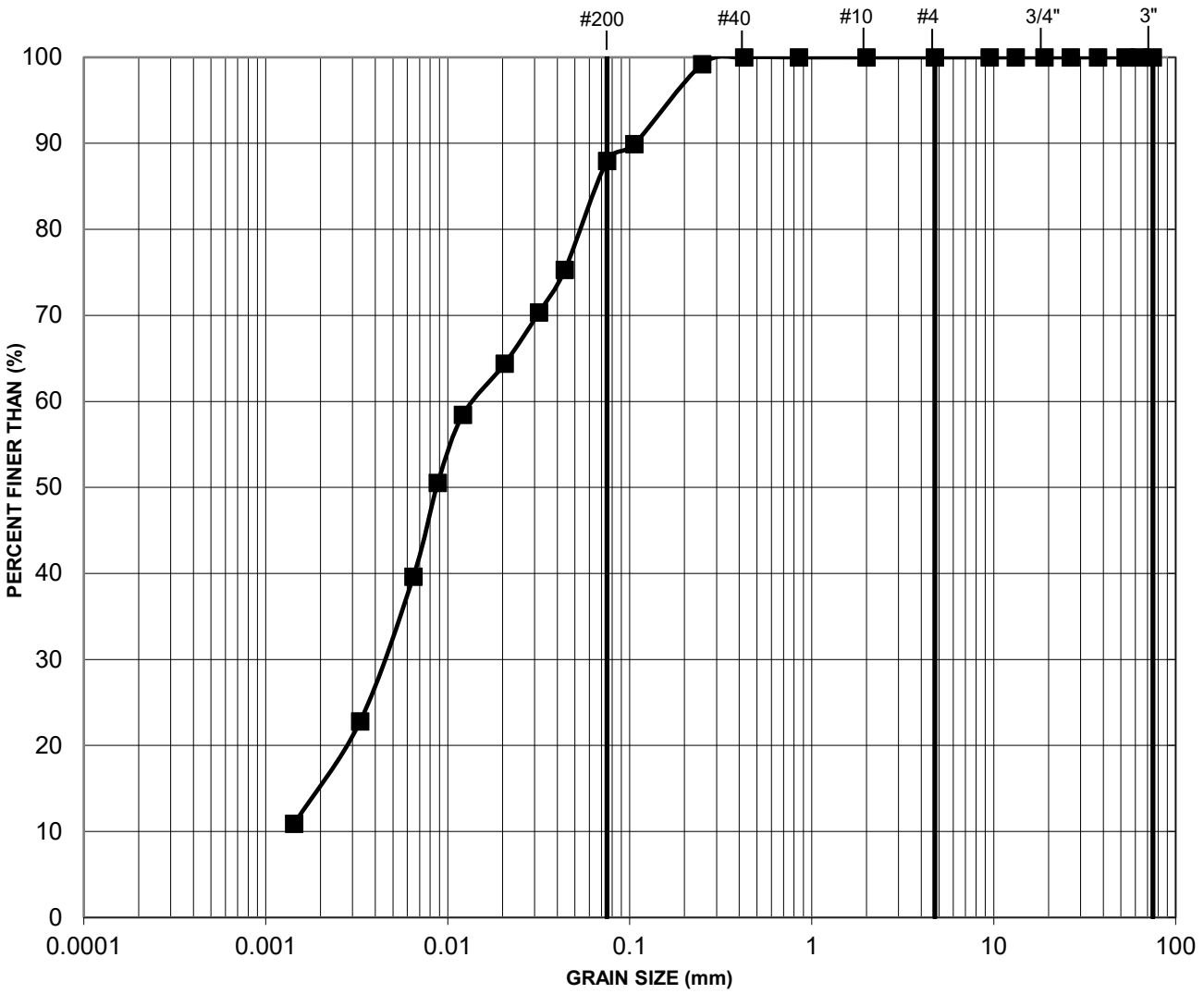
BH / Location	Sample	Depth
WRD-BH-17	167125	22.86m - 23.1648m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

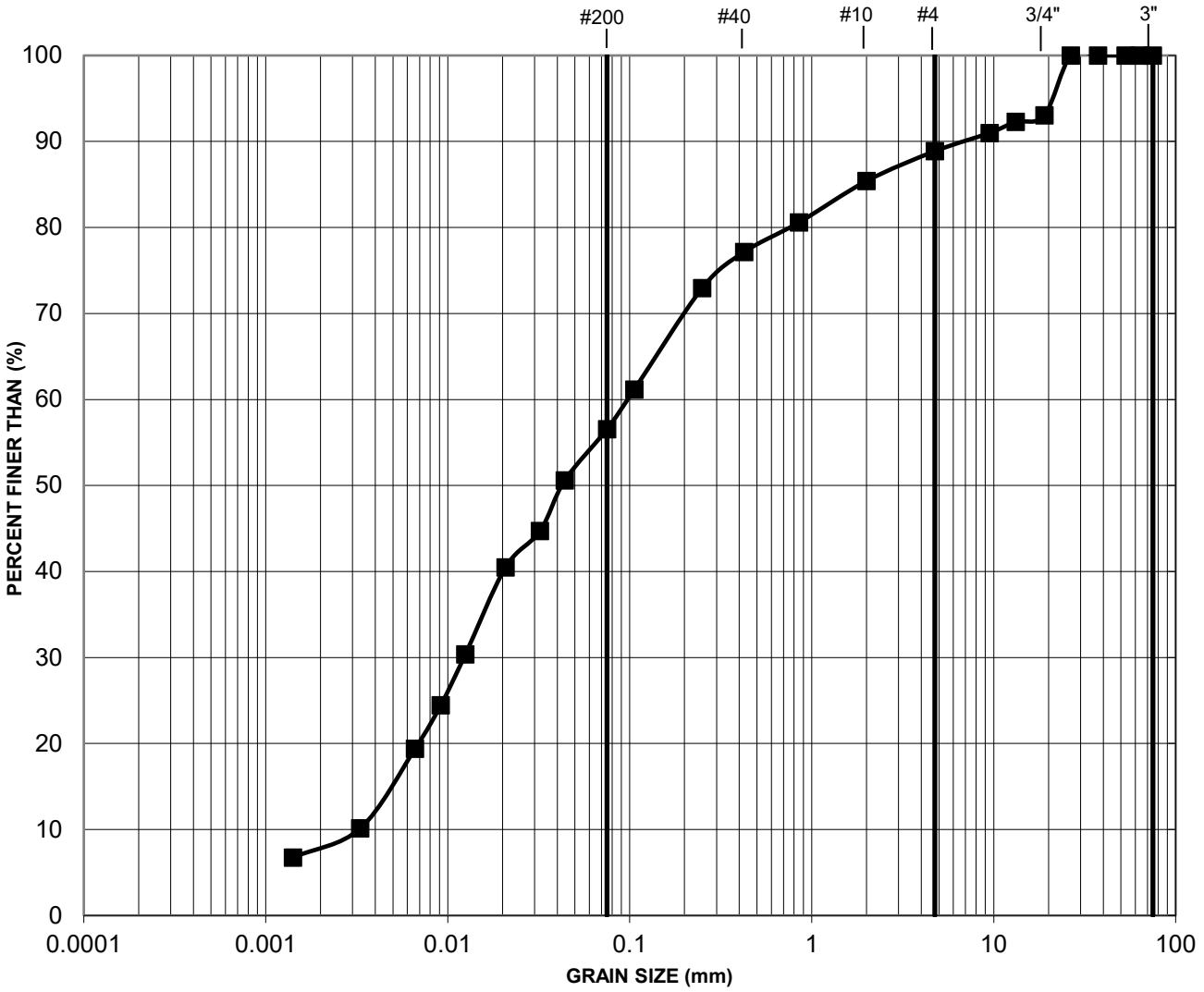
BH / Location	Sample	Depth
WRD-BH-17	167127	8.3464m - 28.6512r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
WRD-BH-17	167129	35.052m - 35.3568m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

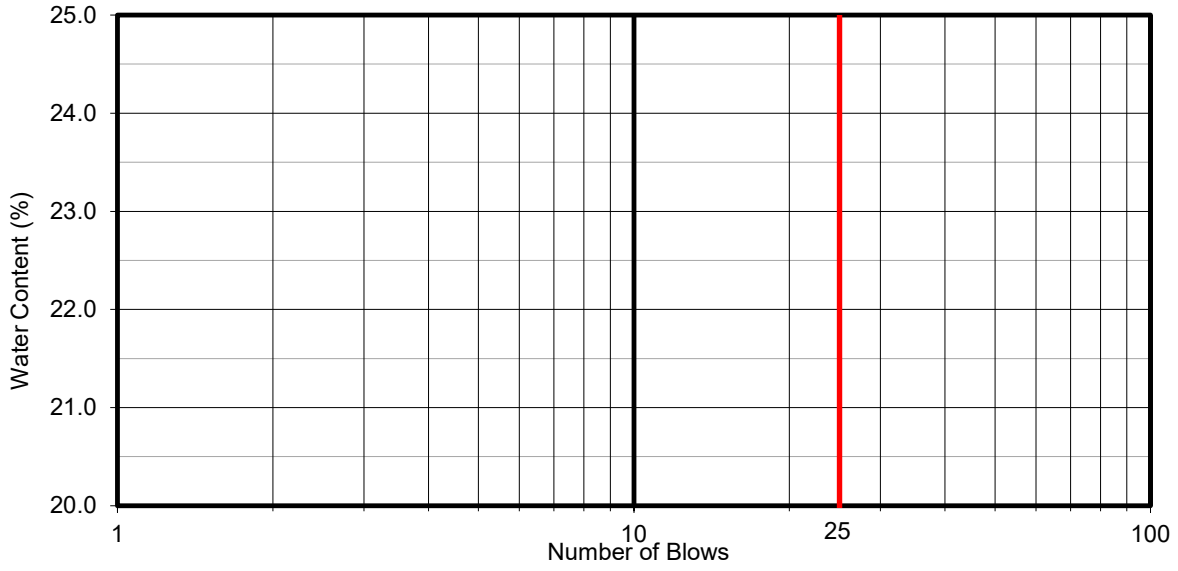
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**18-Aug-22**
Technician:	**HAB**
Lab Number:	**G734**
Borehole:	**WRD-BH-17**
Sample Number:	**167129**
Depth of Sample:	**35.052m - 35.3568m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						925.41			
MASS DRY SOIL + TARE (g)						874.00			
MASS OF WATER (g)						51.41			
MASS OF CONTAINER (g)						392.89			
MASS OF DRY SOIL (g)						481.11			
WATER CONTENT W (%)						10.7			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

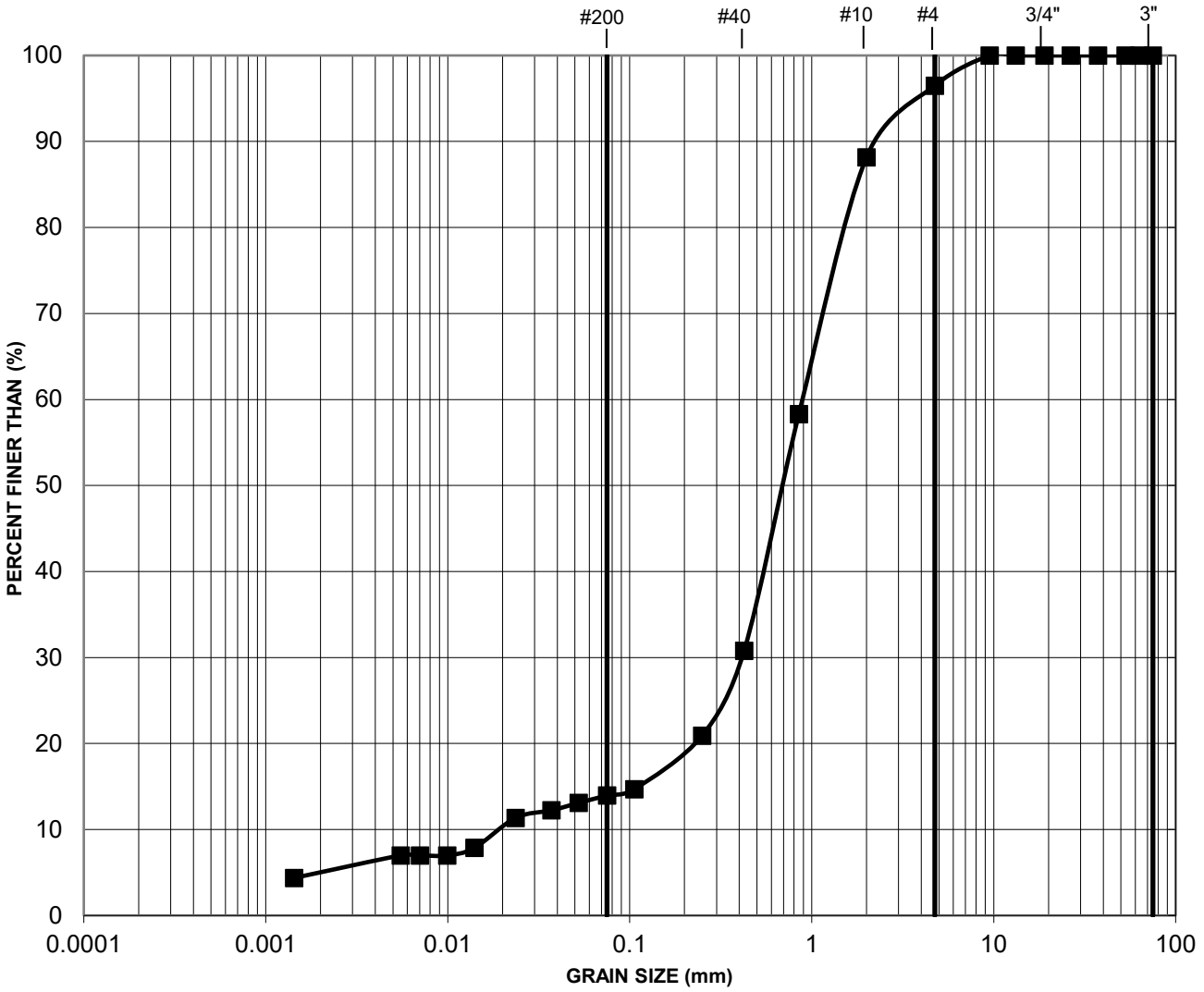


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

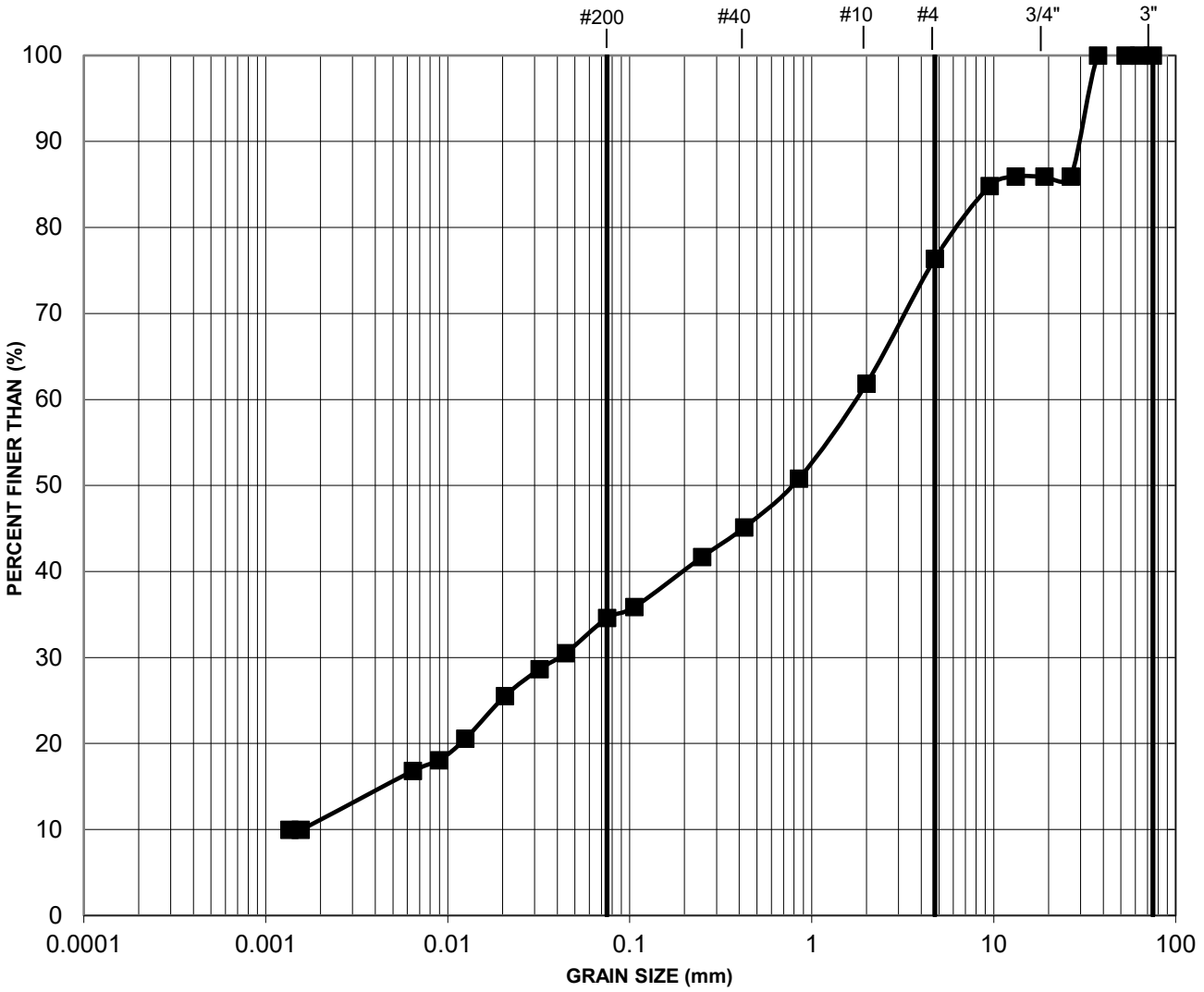
BH / Location	Sample	Depth
WRD-BH-17	167130	37.7952m - 38.1m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

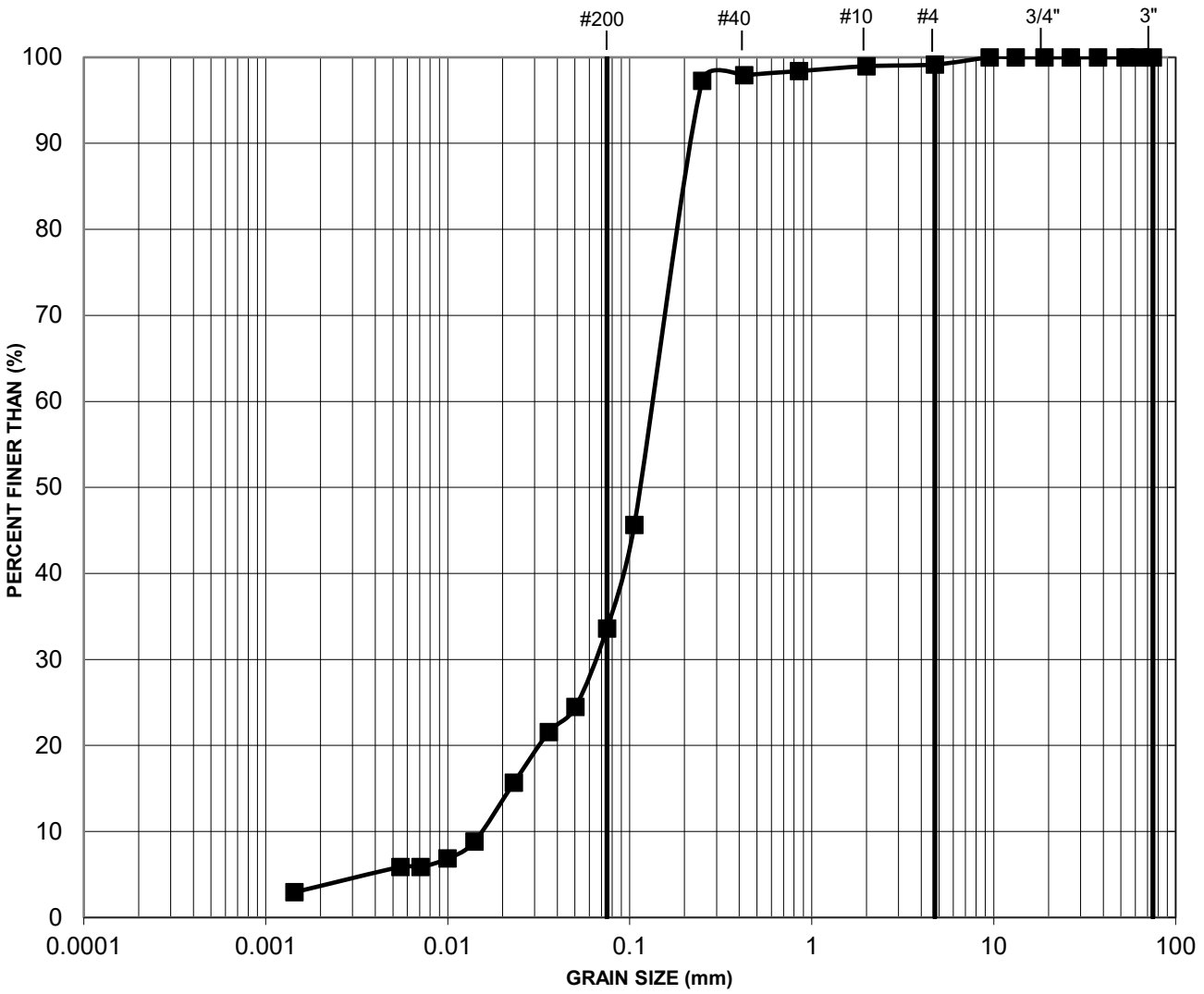
BH / Location	Sample	Depth
OP-BH-01	167364	4.4424m - 34.7472r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

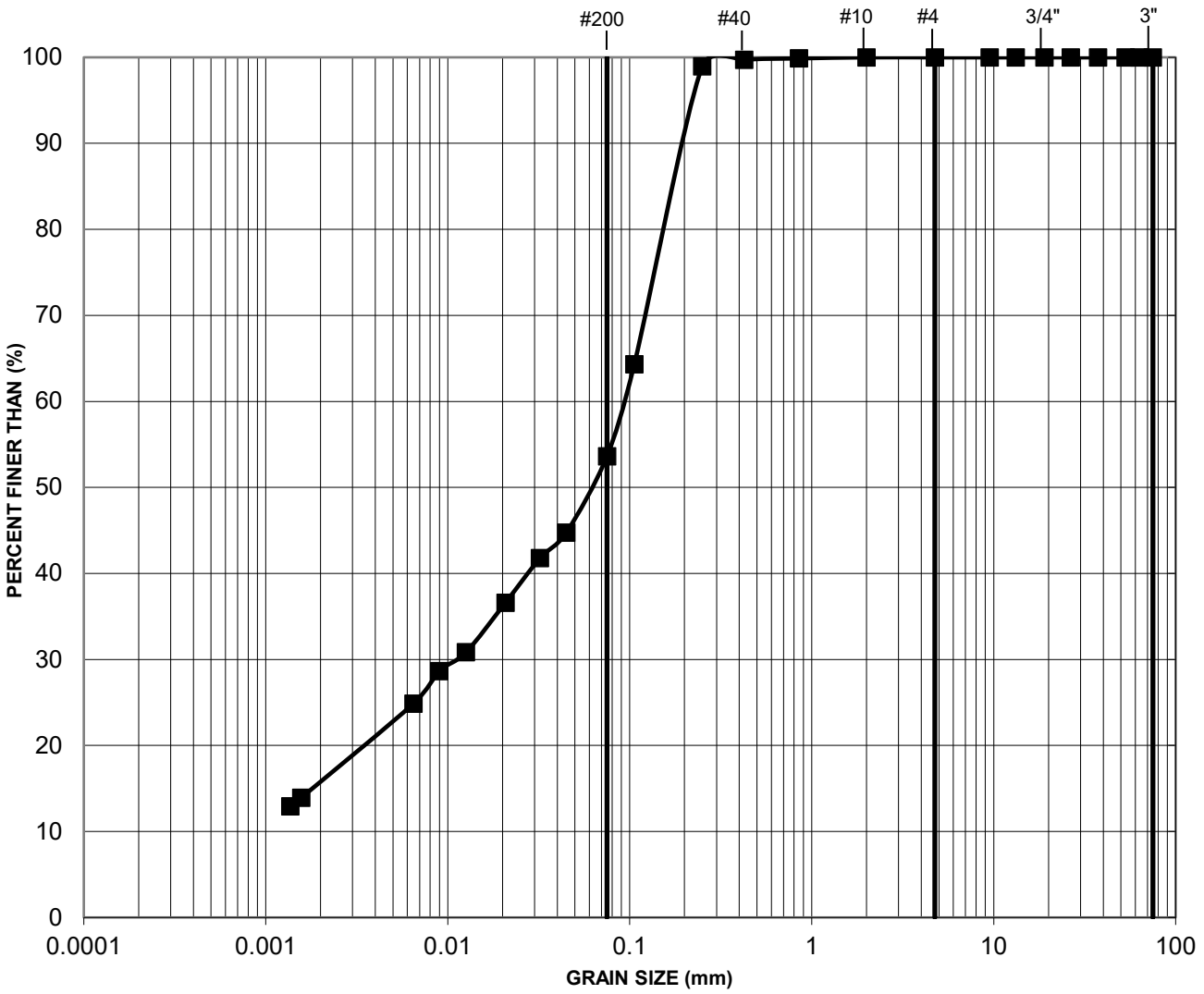
BH / Location	Sample	Depth
OP-BH-06	167631	11.5824m - 12.192m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

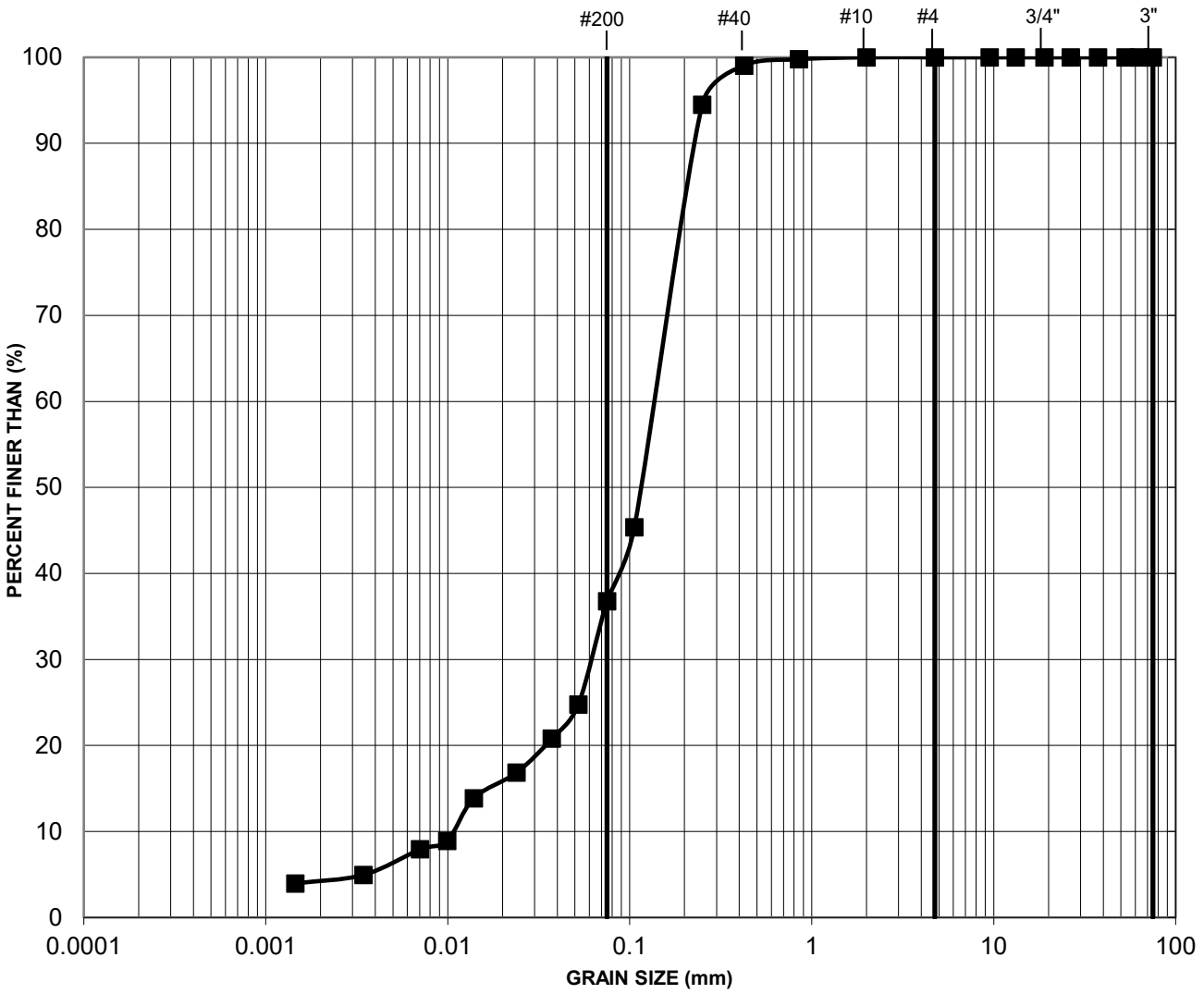
BH / Location	Sample	Depth
OP-BH-06	167633	14.6304m - 15.24m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

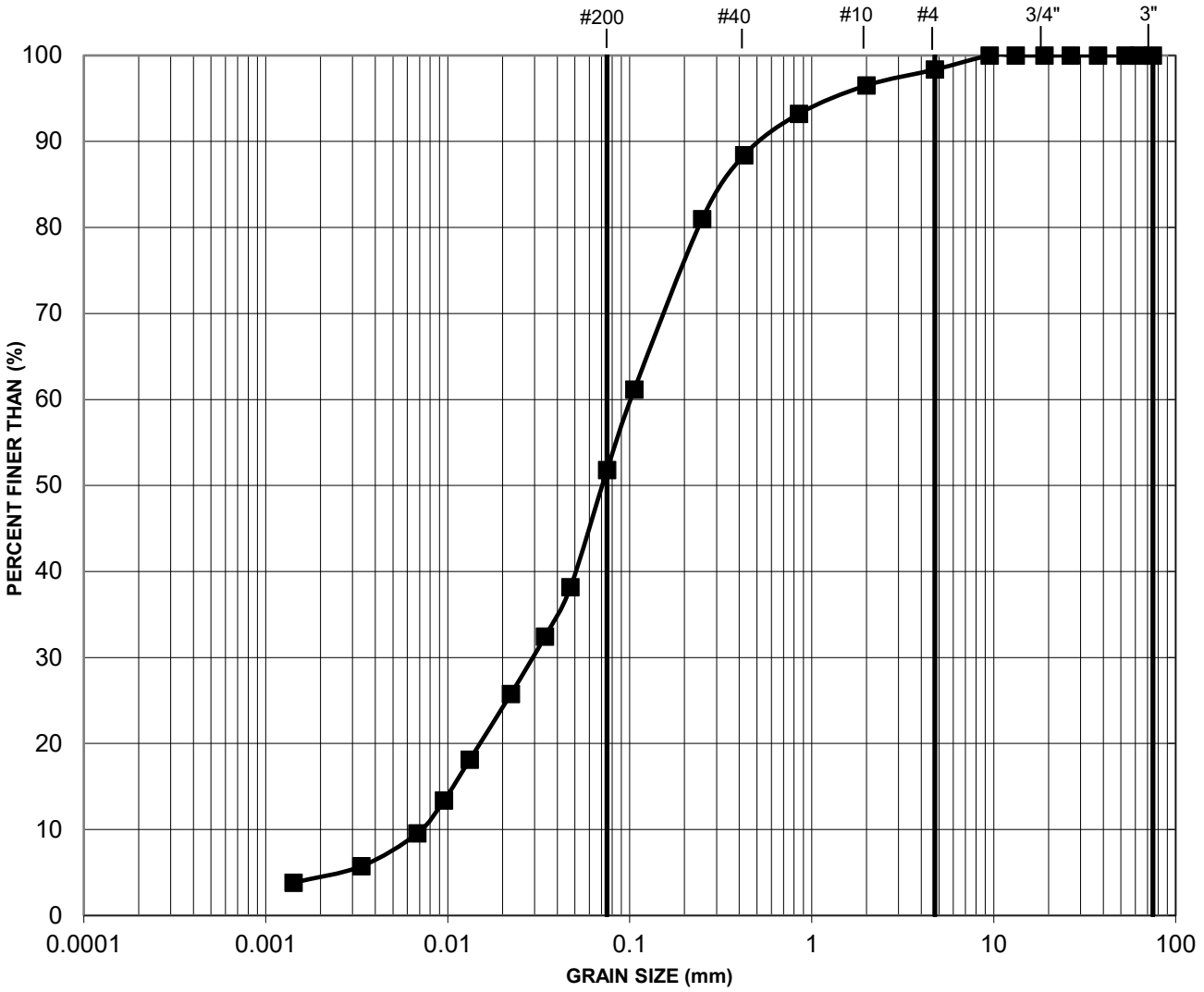
BH / Location	Sample	Depth
OP-BH-06	167635	17.6784m - 18.288m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

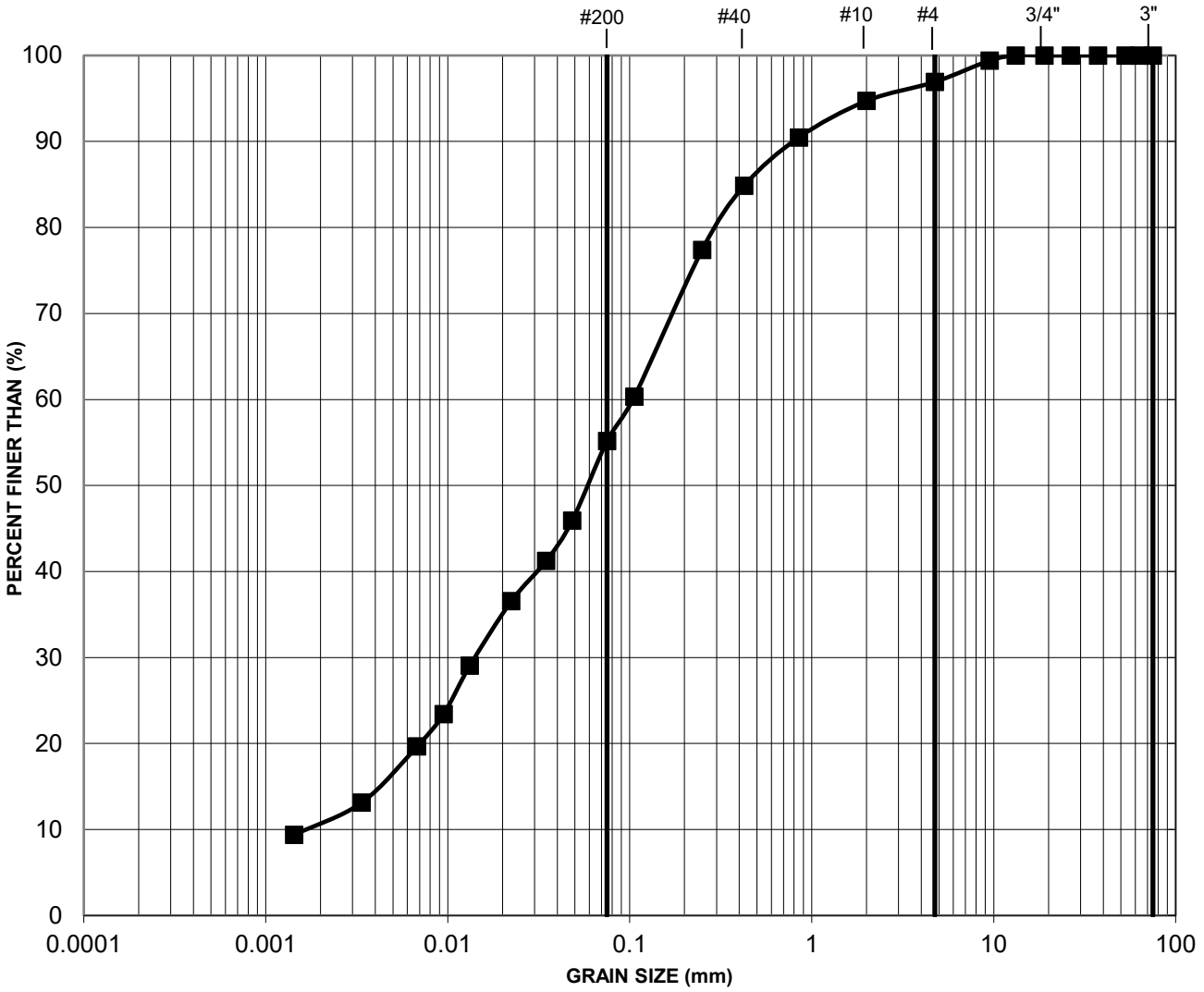
BH / Location	Sample	Depth
OP-BH-06	167640	25.6032m - 25.908m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

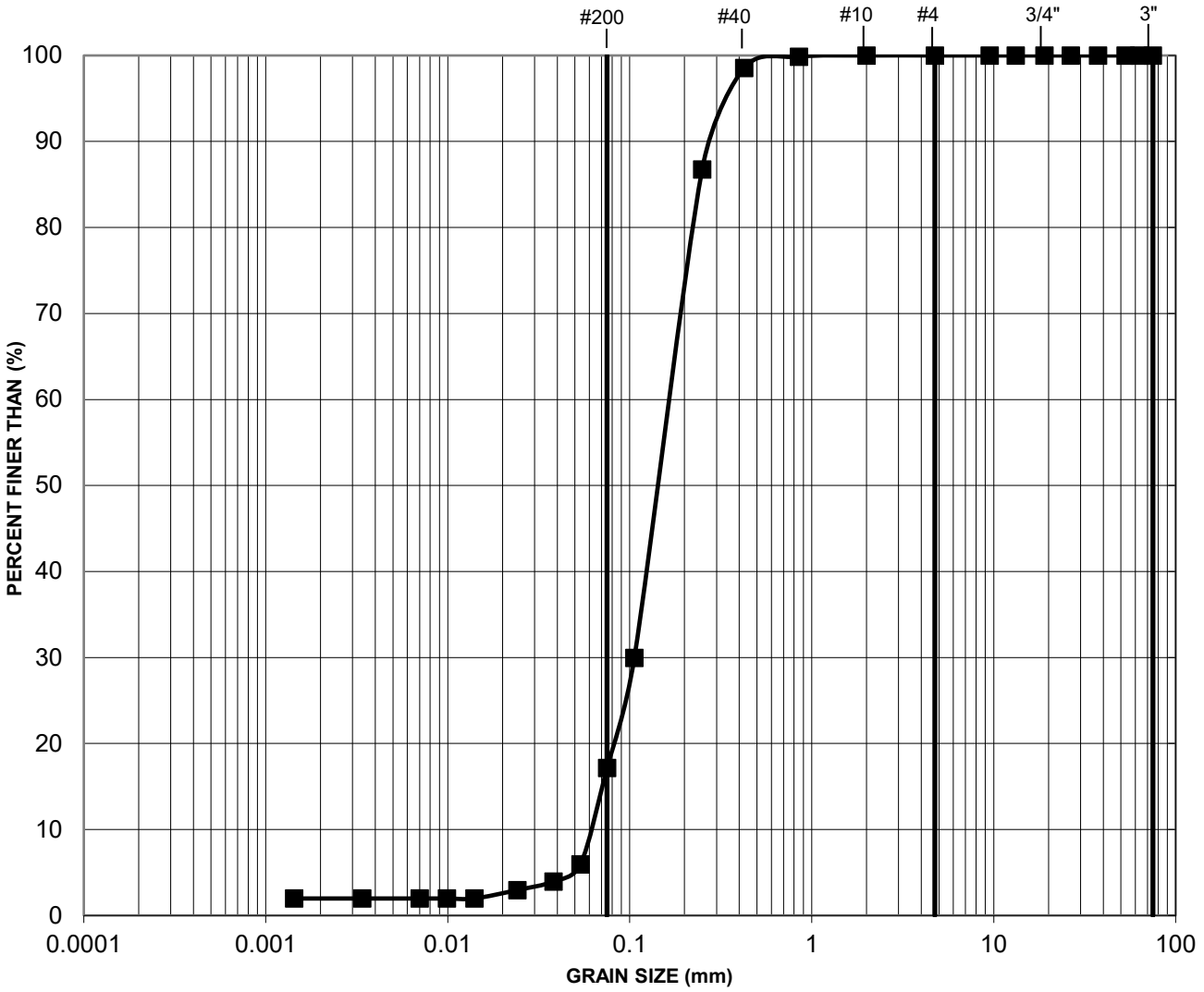
BH / Location	Sample	Depth
OP-BH-06	167644	32.004m - 32.3088m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

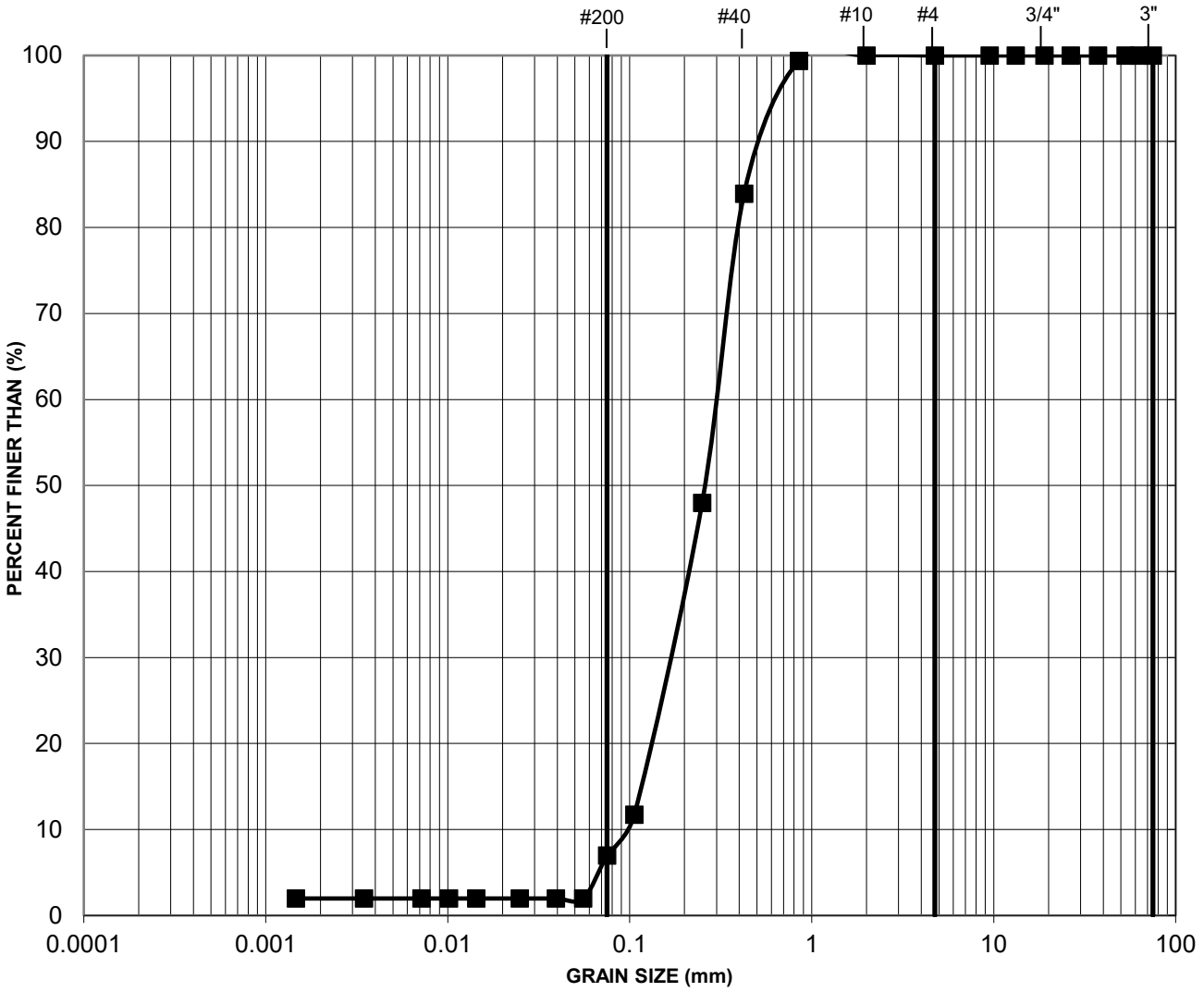
BH / Location	Sample	Depth
OP-BH-06	167648	37.7952m - 38.1m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

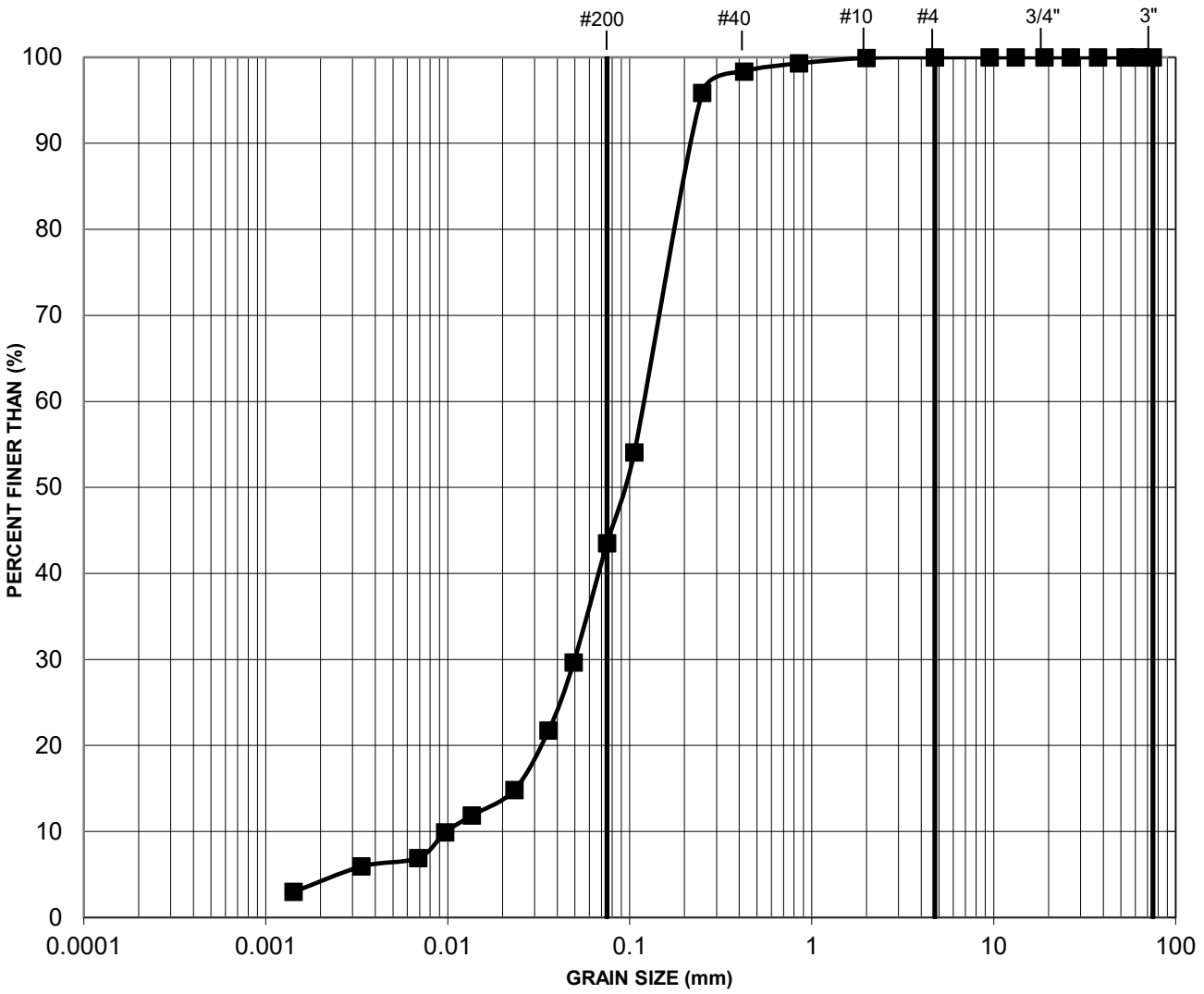
BH / Location	Sample	Depth
OP-BH-06	167650	40.8432m - 41.148m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

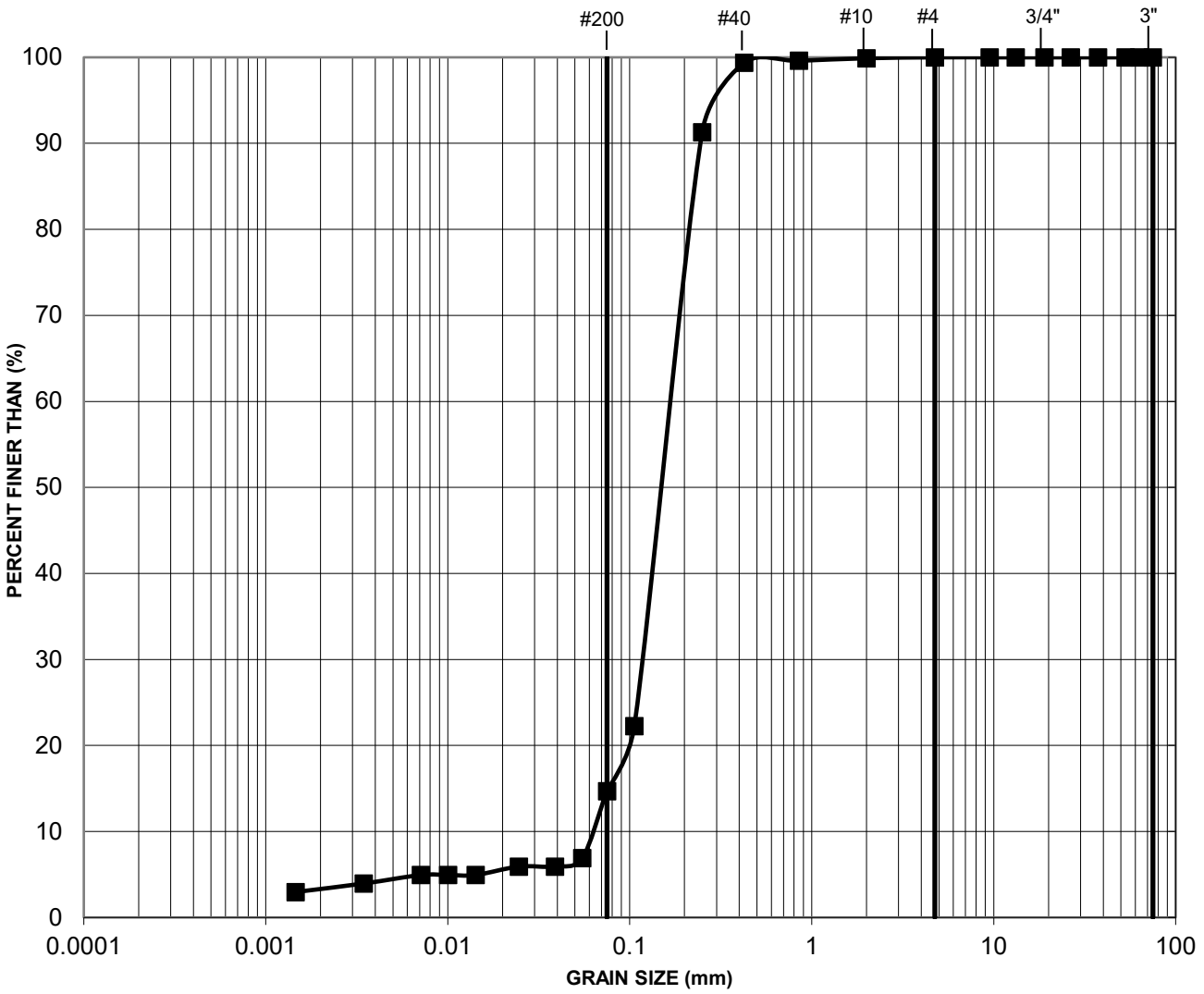
BH / Location	Sample	Depth
OP-BD-04	167606	8.8392m - 9.144m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

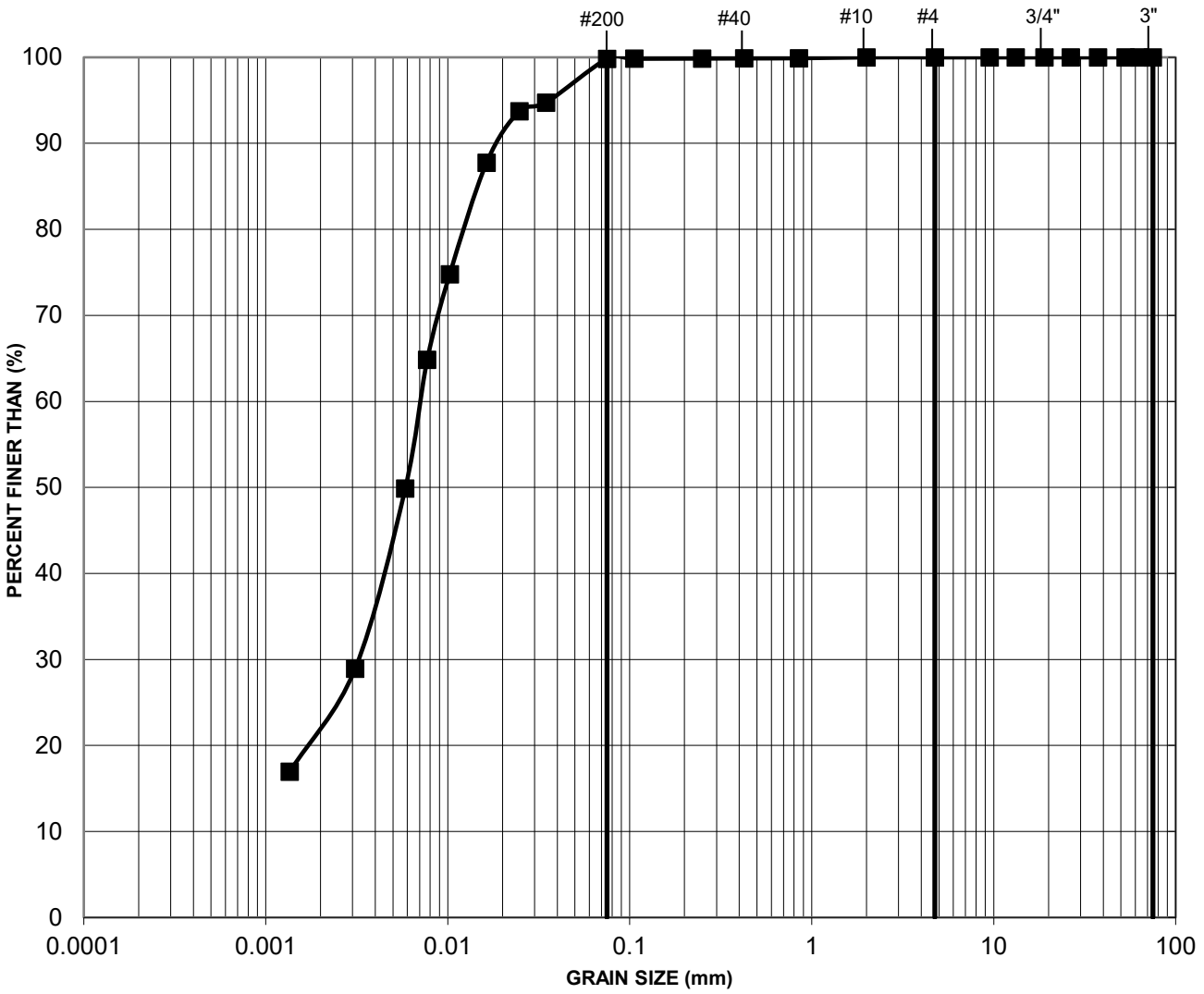
BH / Location	Sample	Depth
OP-BD-04	167607	10.3632m - 10.668m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
OP-BD-04	167609	2.8016m - 13.1064r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

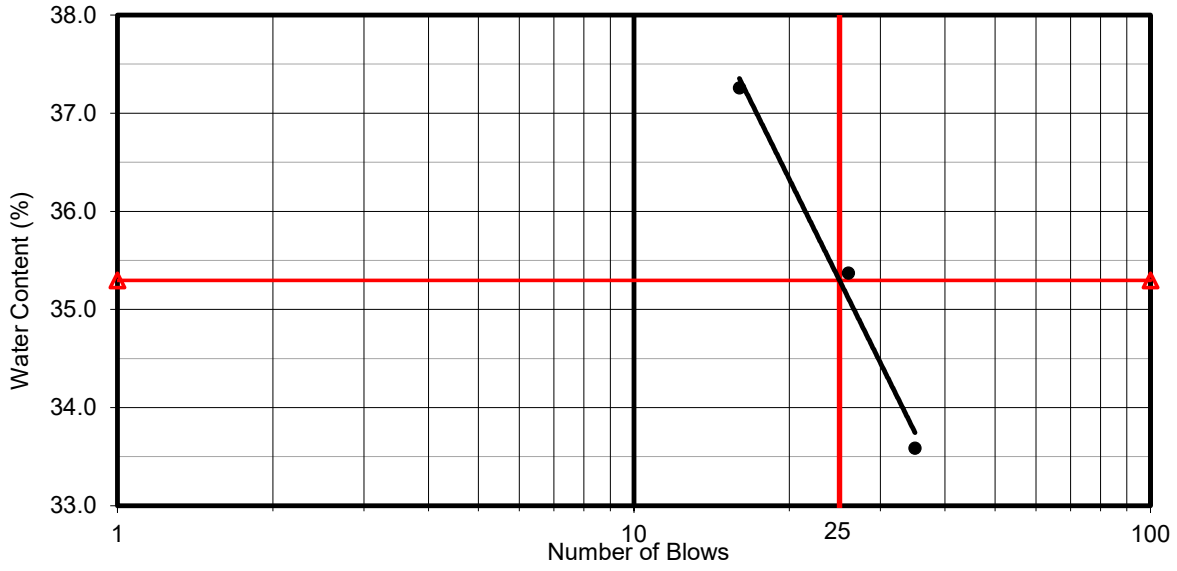
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**17-Aug-22**
Technician:	**HAB**
Lab Number:	**G747**
Borehole:	**OP-BD-04**
Sample Number:	**167609**
Depth of Sample:	**12.8016m - 13.1064m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	7	k2	k4			X	MR20	R22	
NUMBER OF BLOWS	35	26	16			X	X	X	X
MASS WET SOIL + TARE (g)	17.60	19.93	19.98			641.64	26.51	26.95	
MASS DRY SOIL + TARE (g)	14.96	16.63	16.53			603.91	24.37	24.79	
MASS OF WATER (g)	2.64	3.30	3.45			37.73	2.14	2.16	
MASS OF CONTAINER (g)	7.10	7.30	7.27			387.75	14.08	14.43	
MASS OF DRY SOIL (g)	7.86	9.33	9.26			216.16	10.29	10.36	
WATER CONTENT W (%)	33.6	35.4	37.3			17.5	20.8	20.8	

LIQUID LIMIT (%)	**35.3**
PLASTIC LIMIT (%)	**20.8**
PLASTICITY INDEX (%)	**14.5**
W NATURAL (%)	**17.5**
LIQUIDITY INDEX	**-0.23**

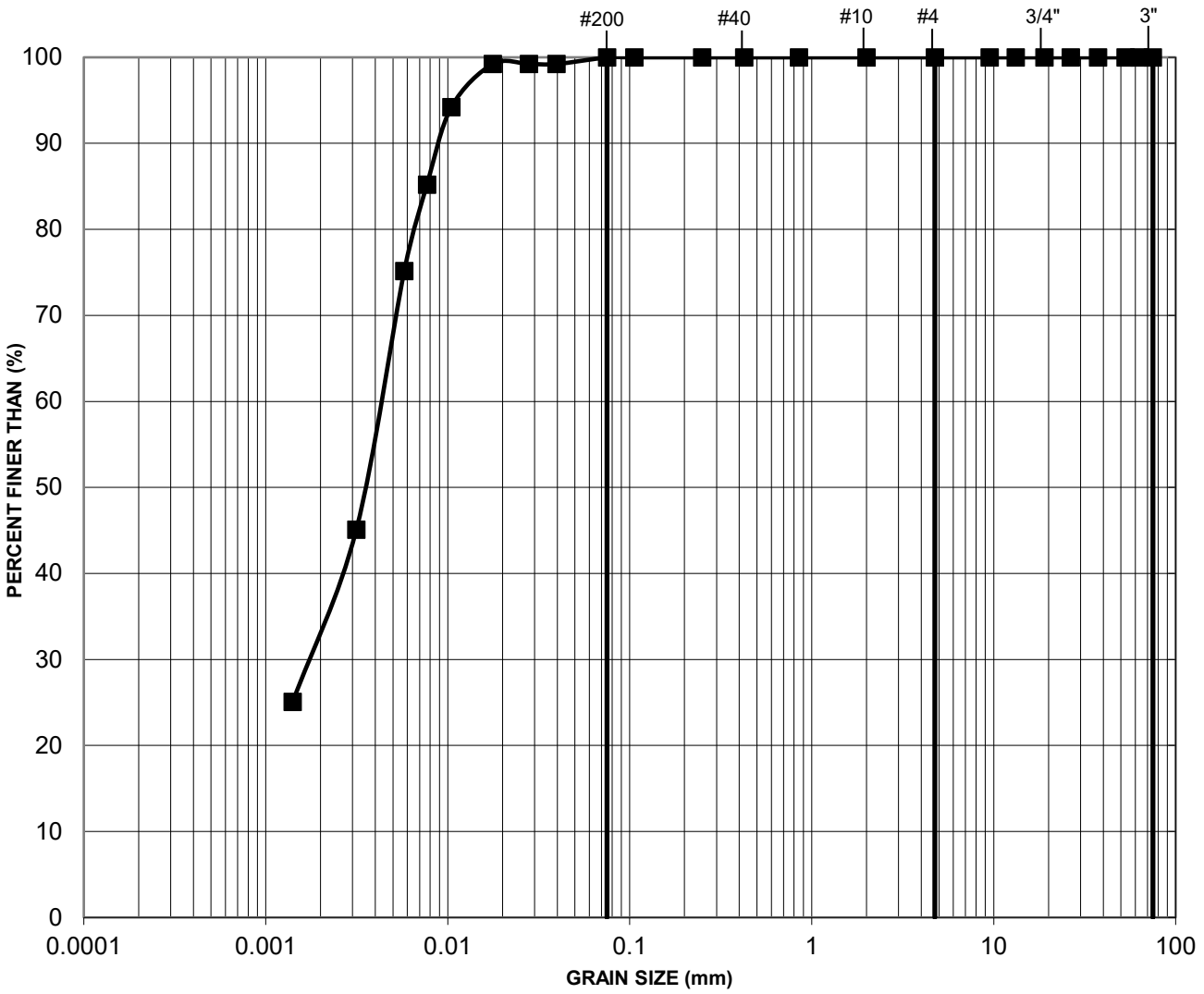


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

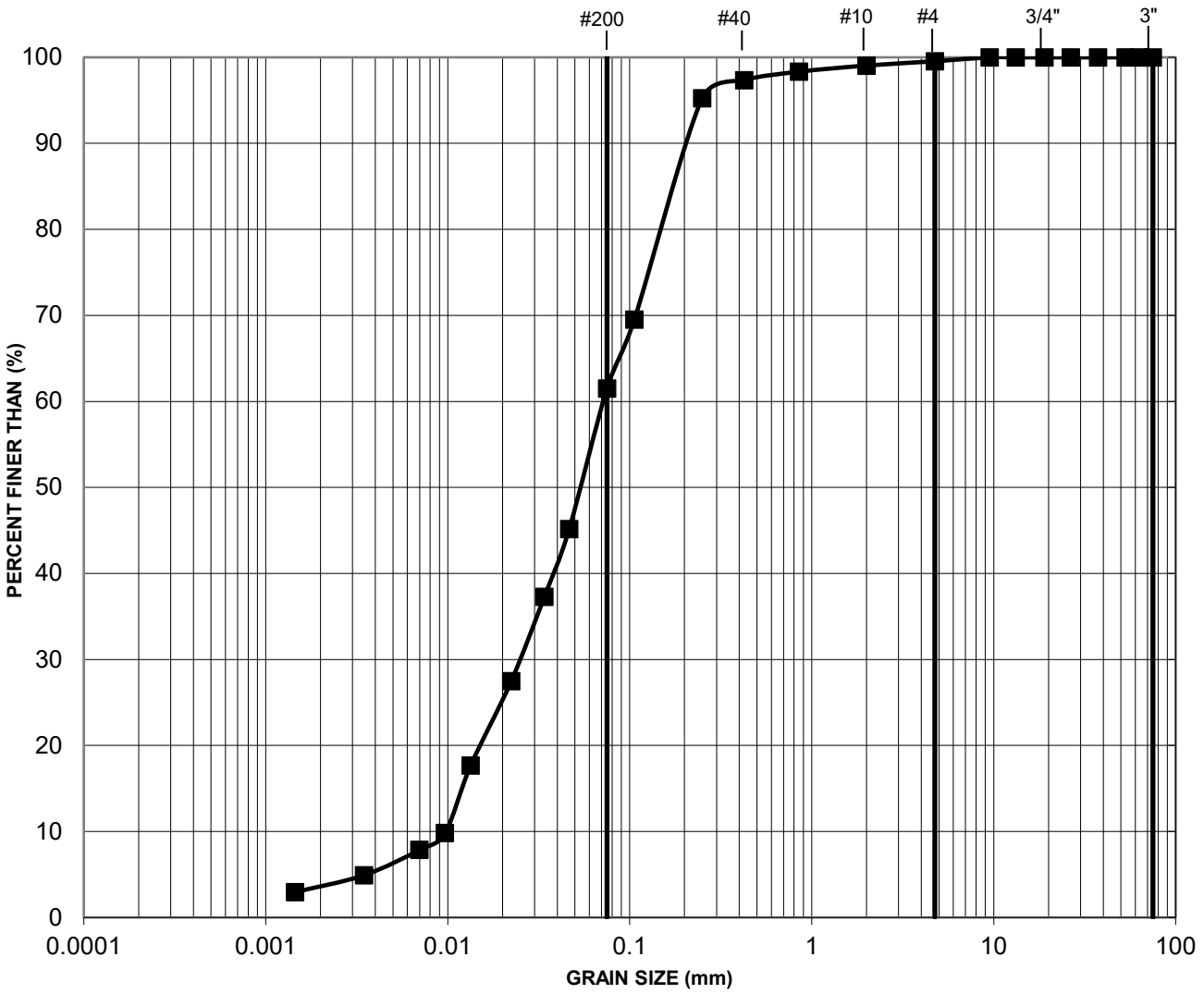
BH / Location	Sample	Depth
OP-BD-04	167611	5.8496m - 16.1544r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

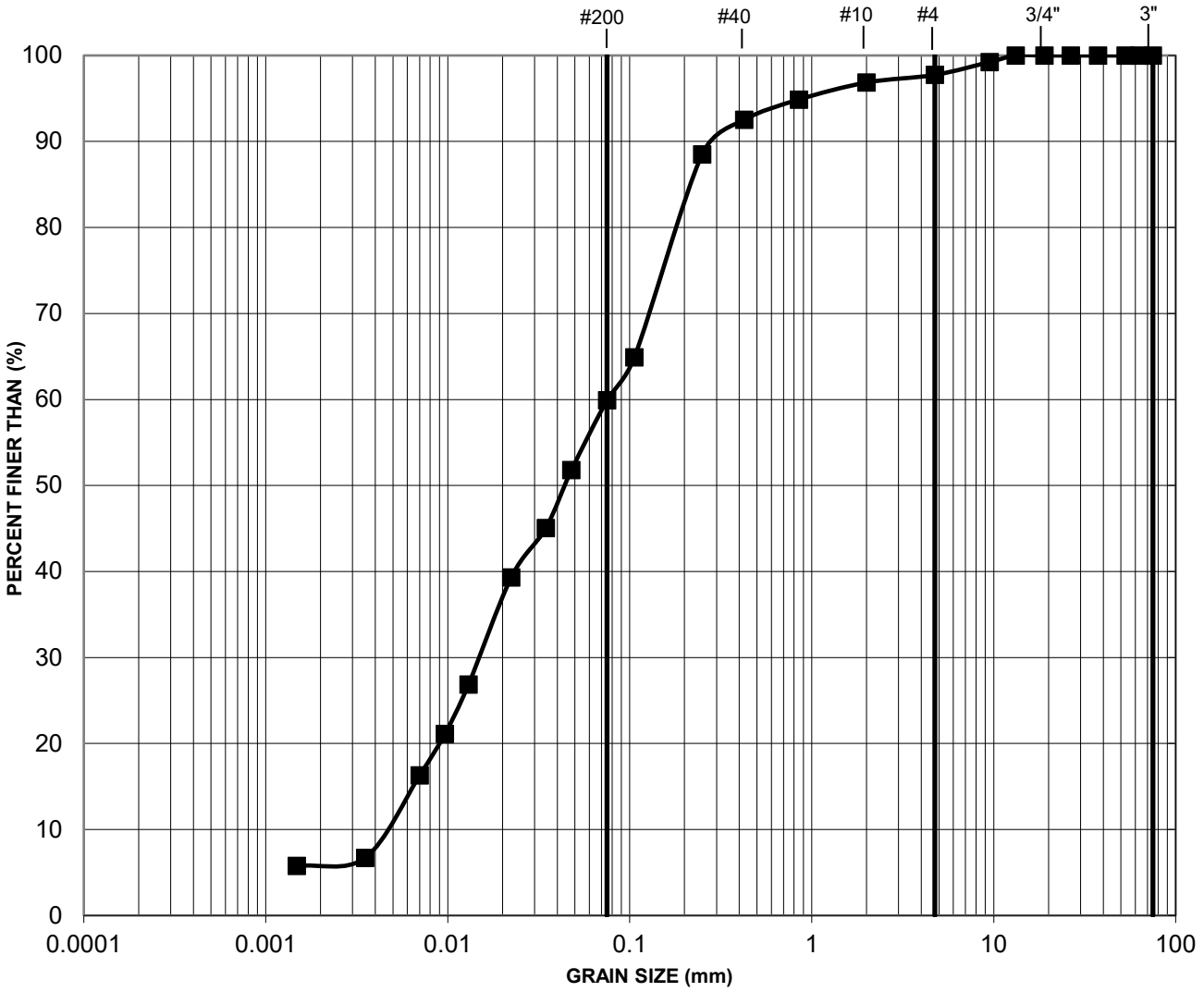
BH / Location	Sample	Depth
OP-BD-04	167615	22.5552m - 22.86m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

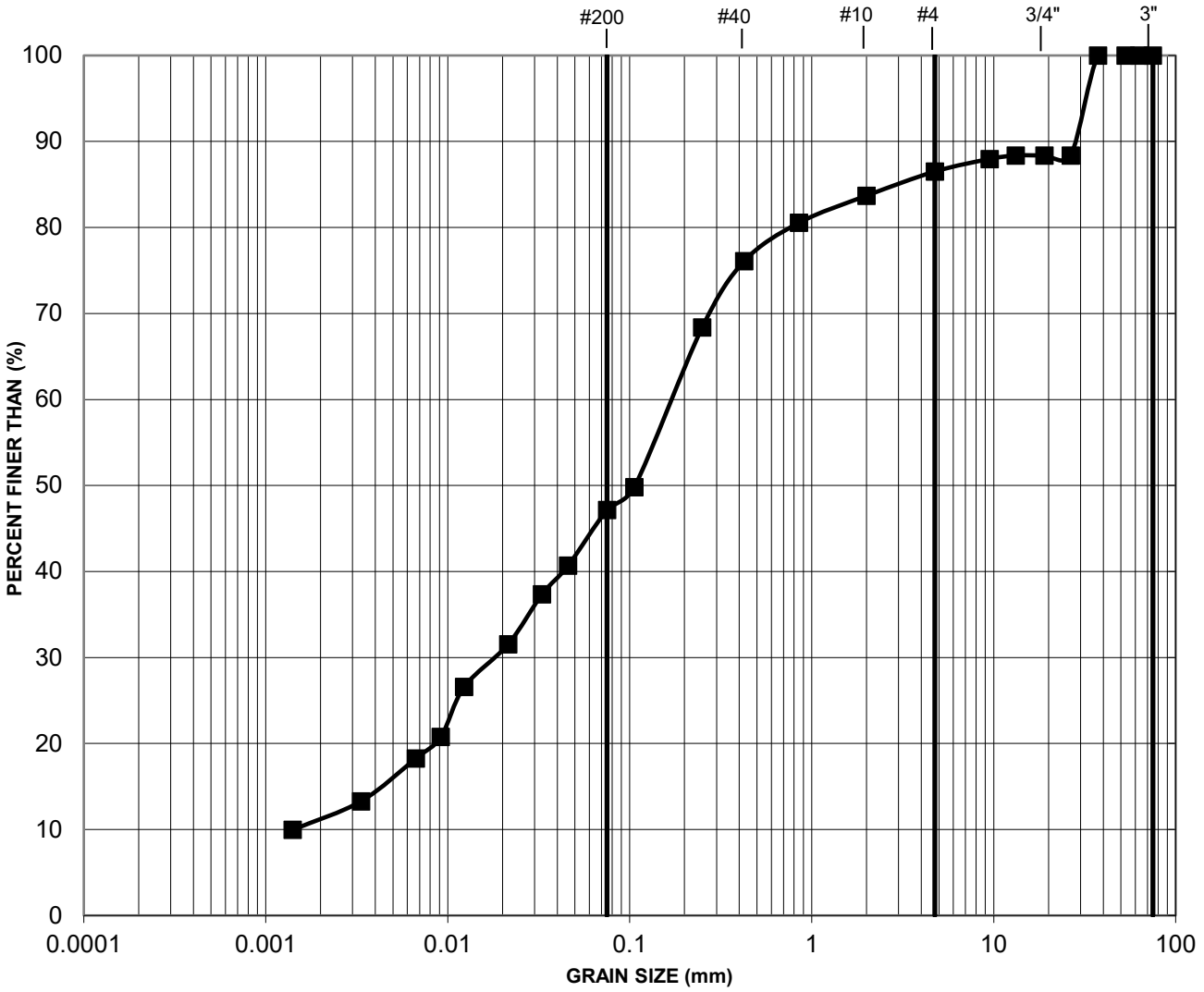
BH / Location	Sample	Depth
OP-BD-04	167617	6.2128m - 26.5176r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
OP-BD-04	167621	35.052m - 35.3568m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

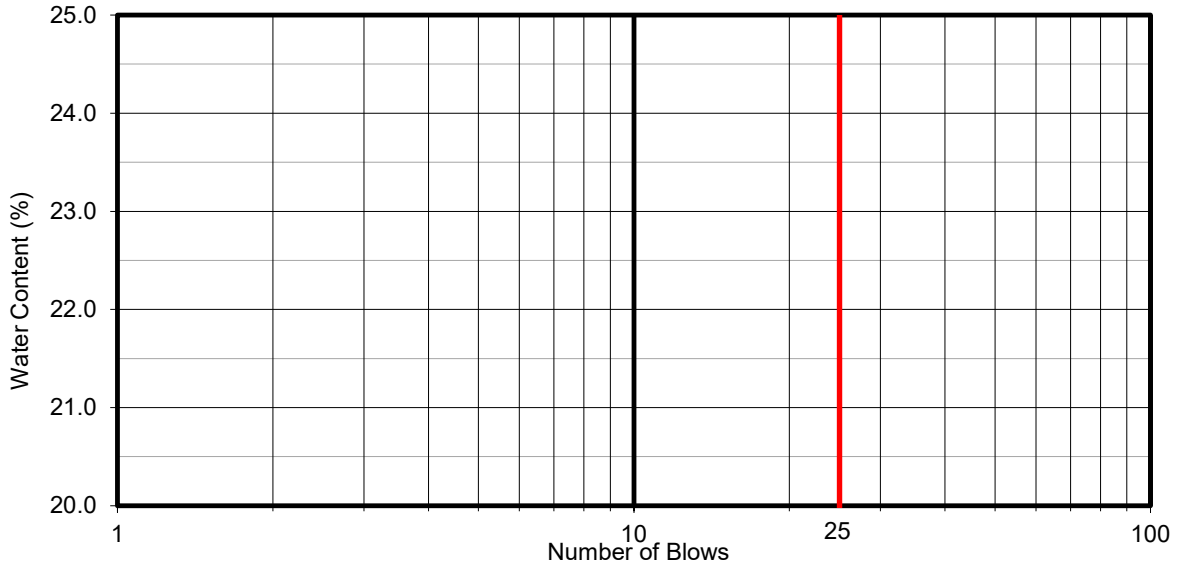
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**29-Aug-22**
Technician:	**HAB**
Lab Number:	**G752**
Borehole:	**OP-BD-04**
Sample Number:	**167621**
Depth of Sample:	**35.052m - 35.3568m**
PLASTIC/NON-PLASTIC:	**Non-Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER						X			
NUMBER OF BLOWS						X	X	X	X
MASS WET SOIL + TARE (g)						912.80			
MASS DRY SOIL + TARE (g)						870.39			
MASS OF WATER (g)						42.41			
MASS OF CONTAINER (g)						392.21			
MASS OF DRY SOIL (g)						478.18			
WATER CONTENT W (%)						8.9			

LIQUID LIMIT (%)	**NP**
PLASTIC LIMIT (%)	**NP**
PLASTICITY INDEX (%)	**NP**
W NATURAL (%)	**NP**
LIQUIDITY INDEX	**NP**

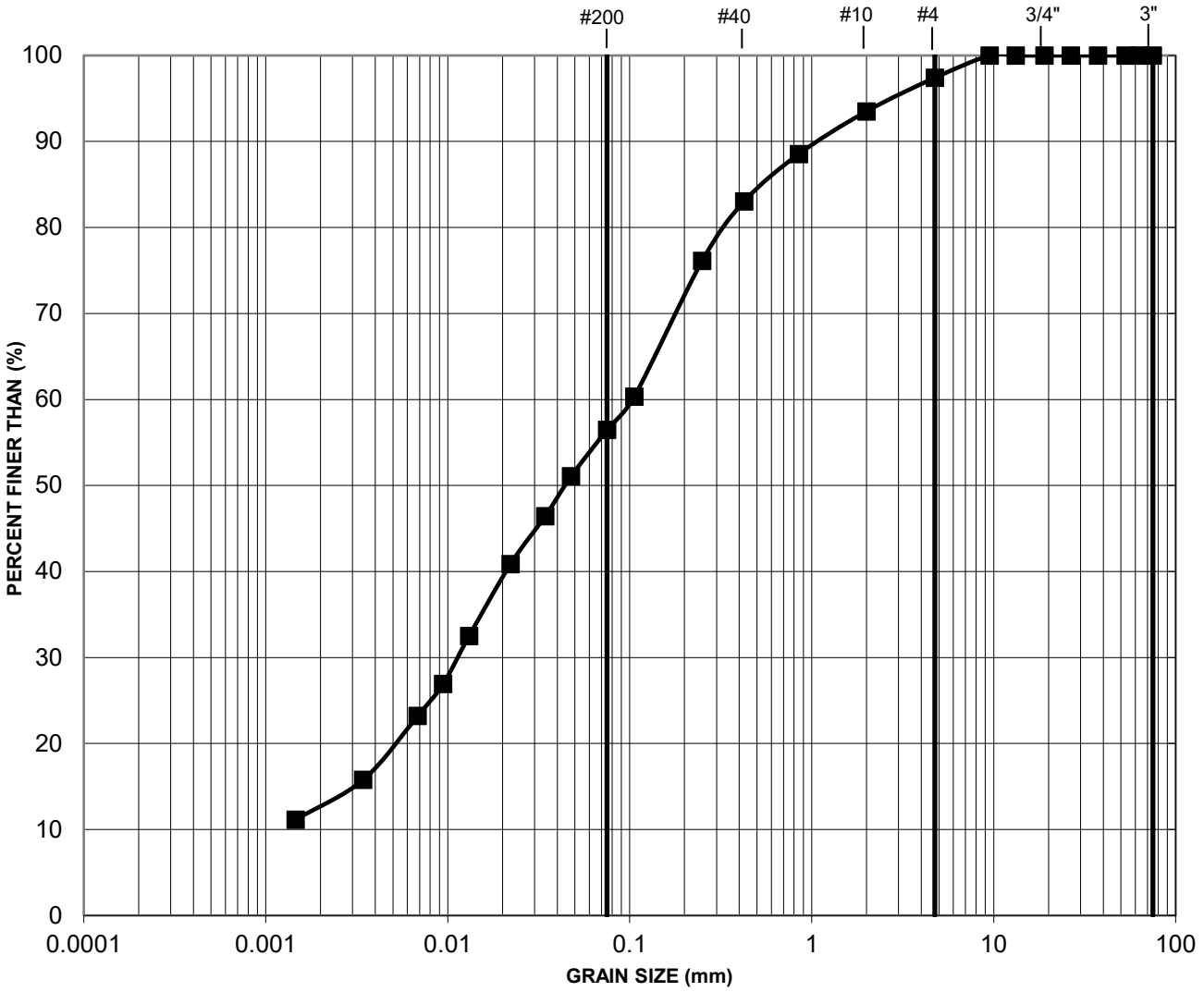


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

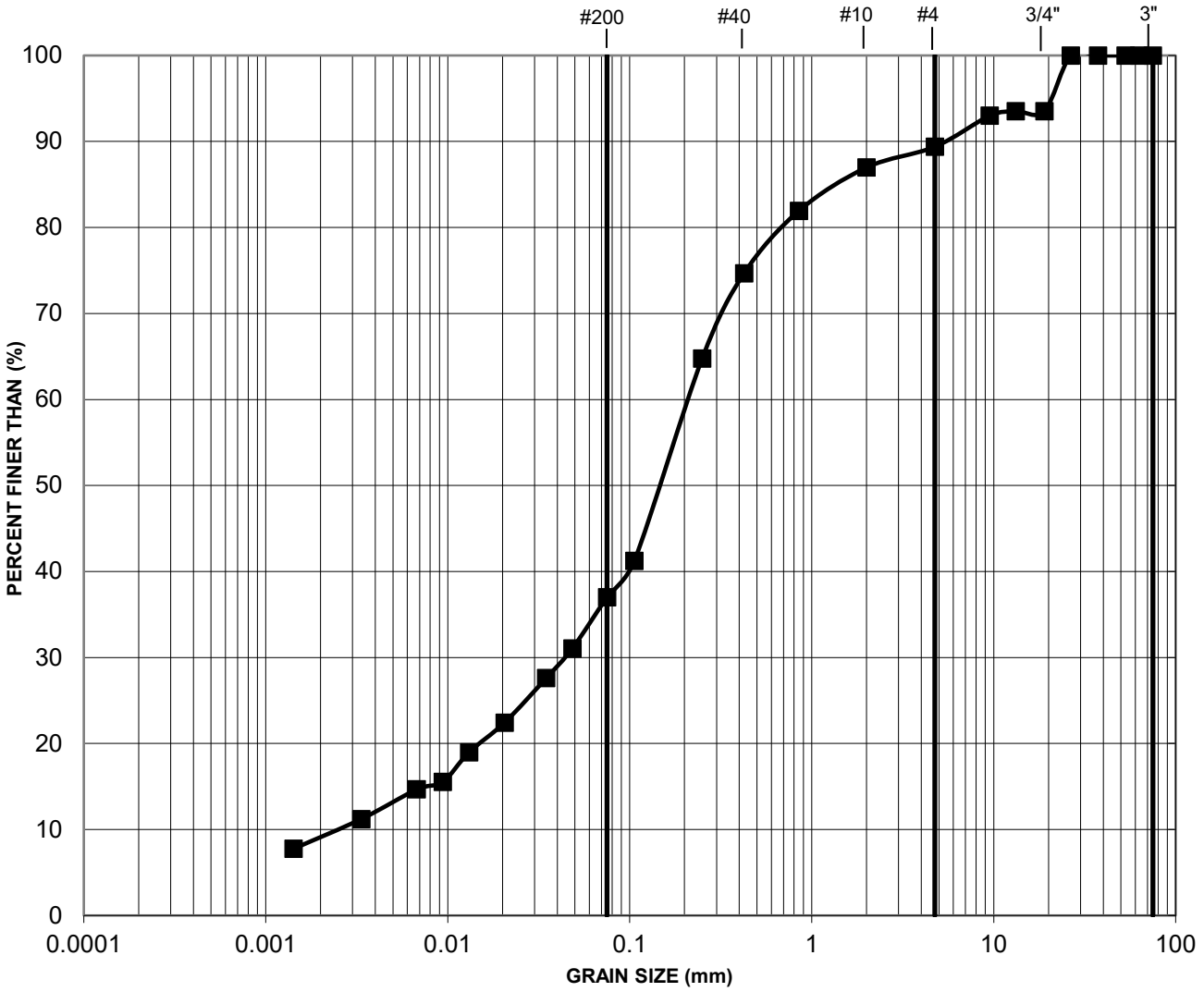
BH / Location	Sample	Depth
OP-BD-04	167623	0.2336m - 40.5384r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

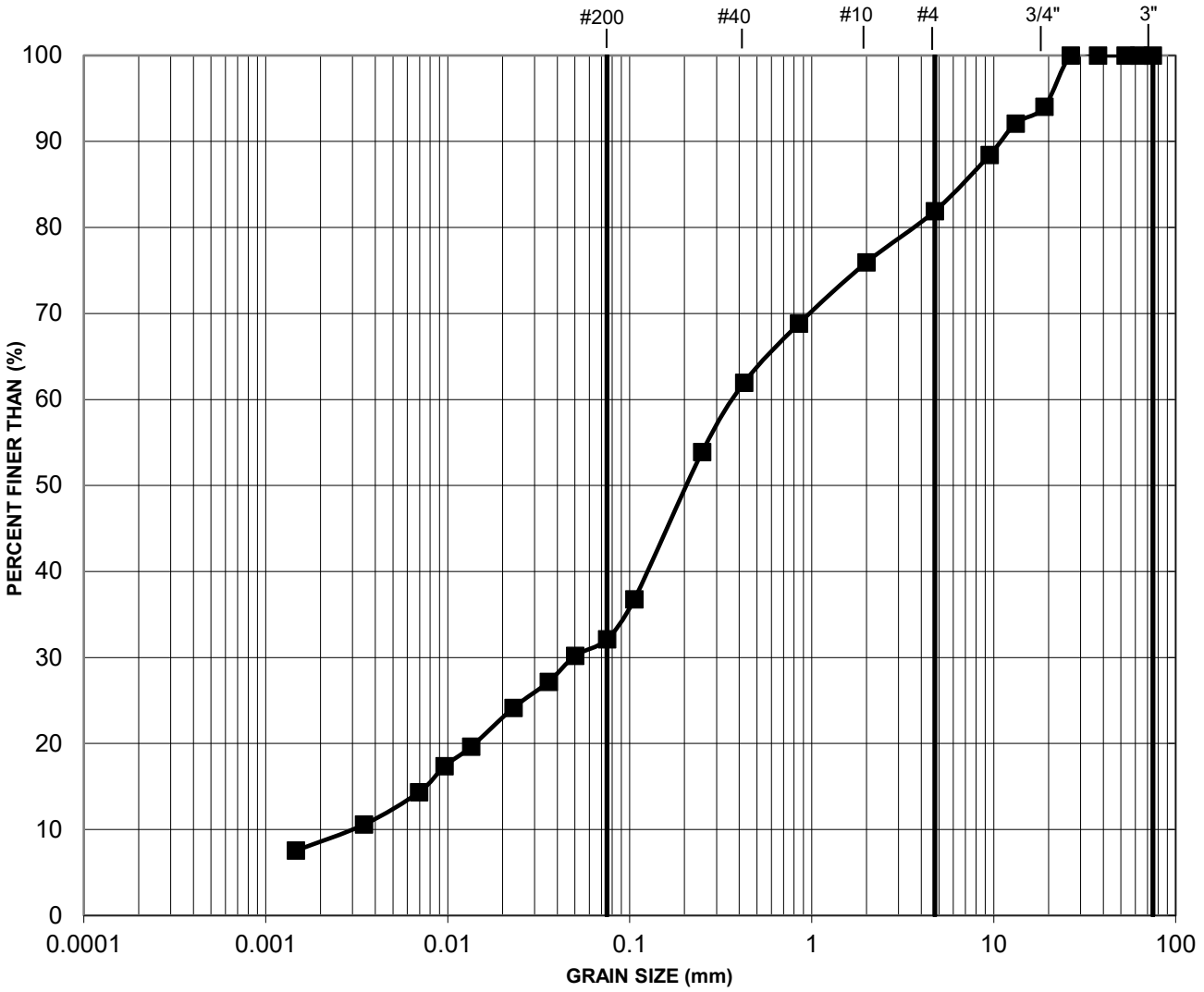
BH / Location	Sample	Depth
OP-BD-11	35104	8.0416m - 28.3464r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

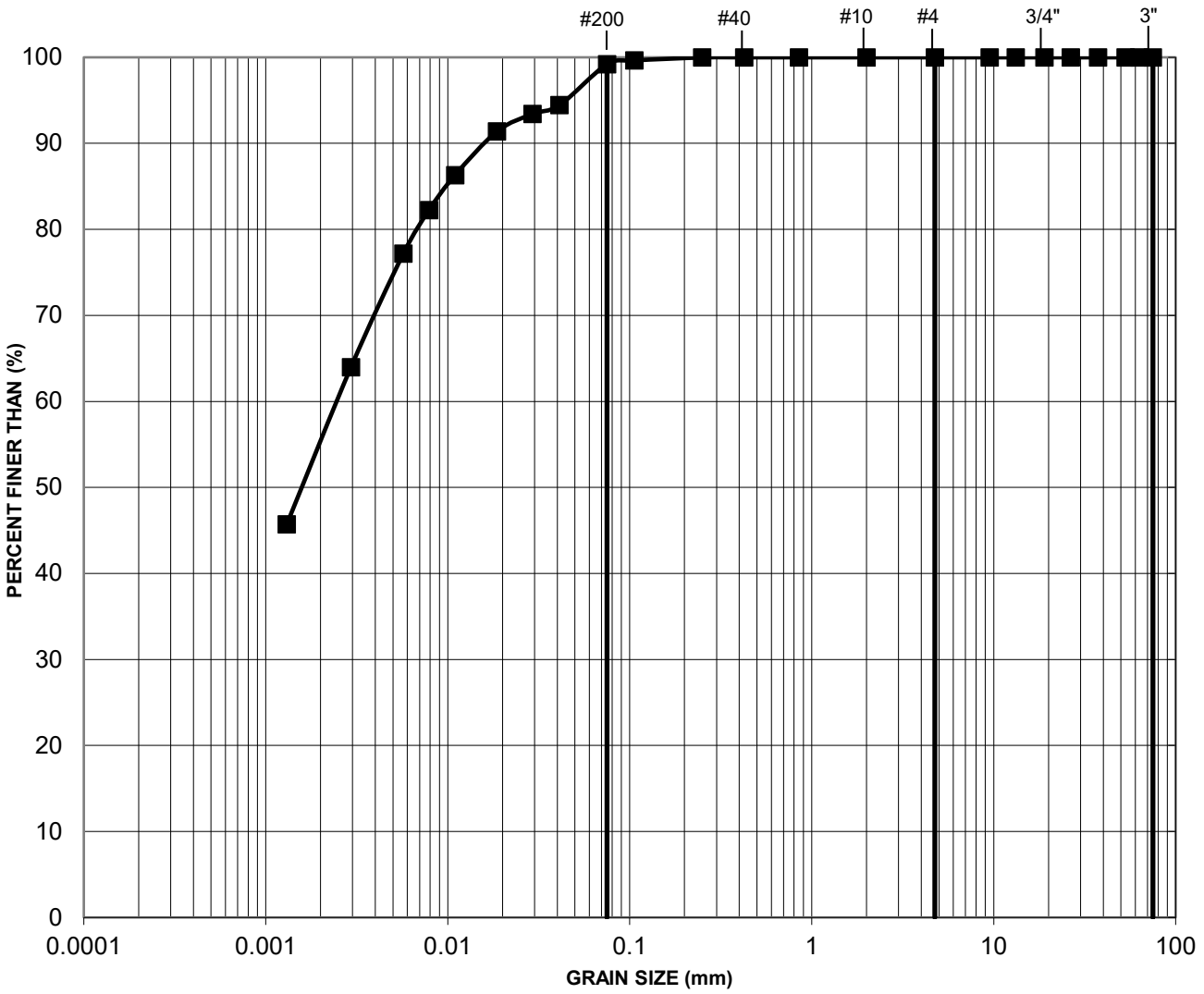
BH / Location	Sample	Depth
OP-BD-11	35107	36.576m - 36.8808m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
OP-BH-07	35124	18.288m - 18.5928m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

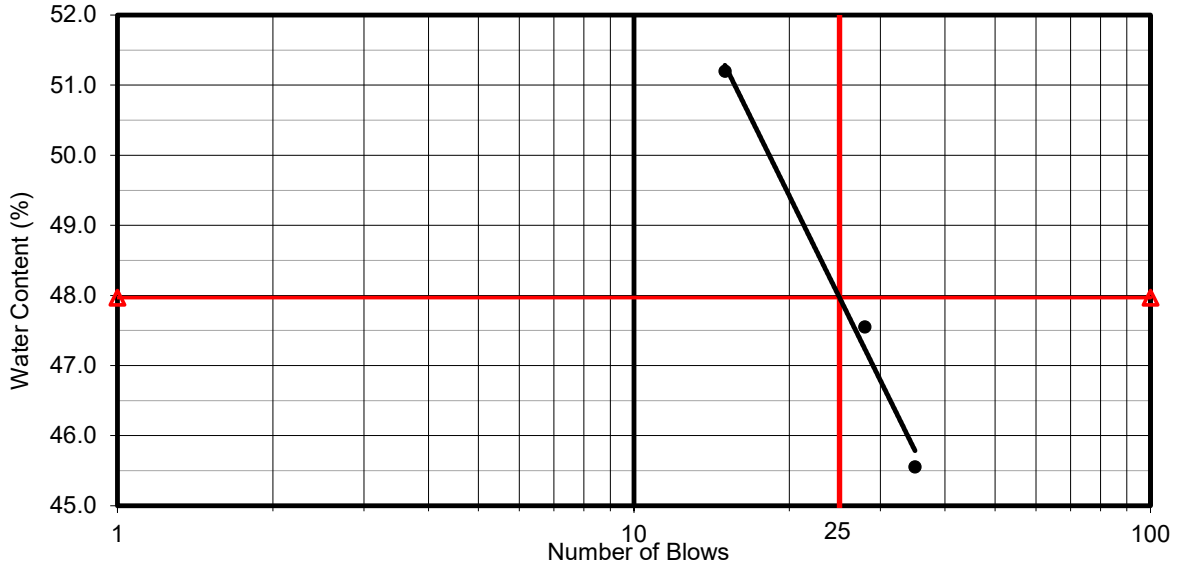
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**GoldeR**
Test Date:	**GoldeR**
Technician:	**HAB**
Lab Number:	**G756**
Borehole:	**OP-BH-07**
Sample Number:	**35124**
Depth of Sample:	**18.288m - 18.5928m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	8	18	R21			X	h	10m	
NUMBER OF BLOWS	35	28	15			X	X	X	X
MASS WET SOIL + TARE (g)	17.99	19.54	18.59			535.05	25.65	25.53	
MASS DRY SOIL + TARE (g)	14.61	15.56	14.75			479.30	23.42	23.18	
MASS OF WATER (g)	3.38	3.98	3.84			55.75	2.23	2.35	
MASS OF CONTAINER (g)	7.19	7.19	7.25			237.79	14.20	13.83	
MASS OF DRY SOIL (g)	7.42	8.37	7.50			241.51	9.22	9.35	
WATER CONTENT W (%)	45.6	47.6	51.2			23.1	24.2	25.1	

LIQUID LIMIT (%)	**48.0**
PLASTIC LIMIT (%)	**24.7**
PLASTICITY INDEX (%)	**23.3**
W NATURAL (%)	**23.1**
LIQUIDITY INDEX	**-0.07**

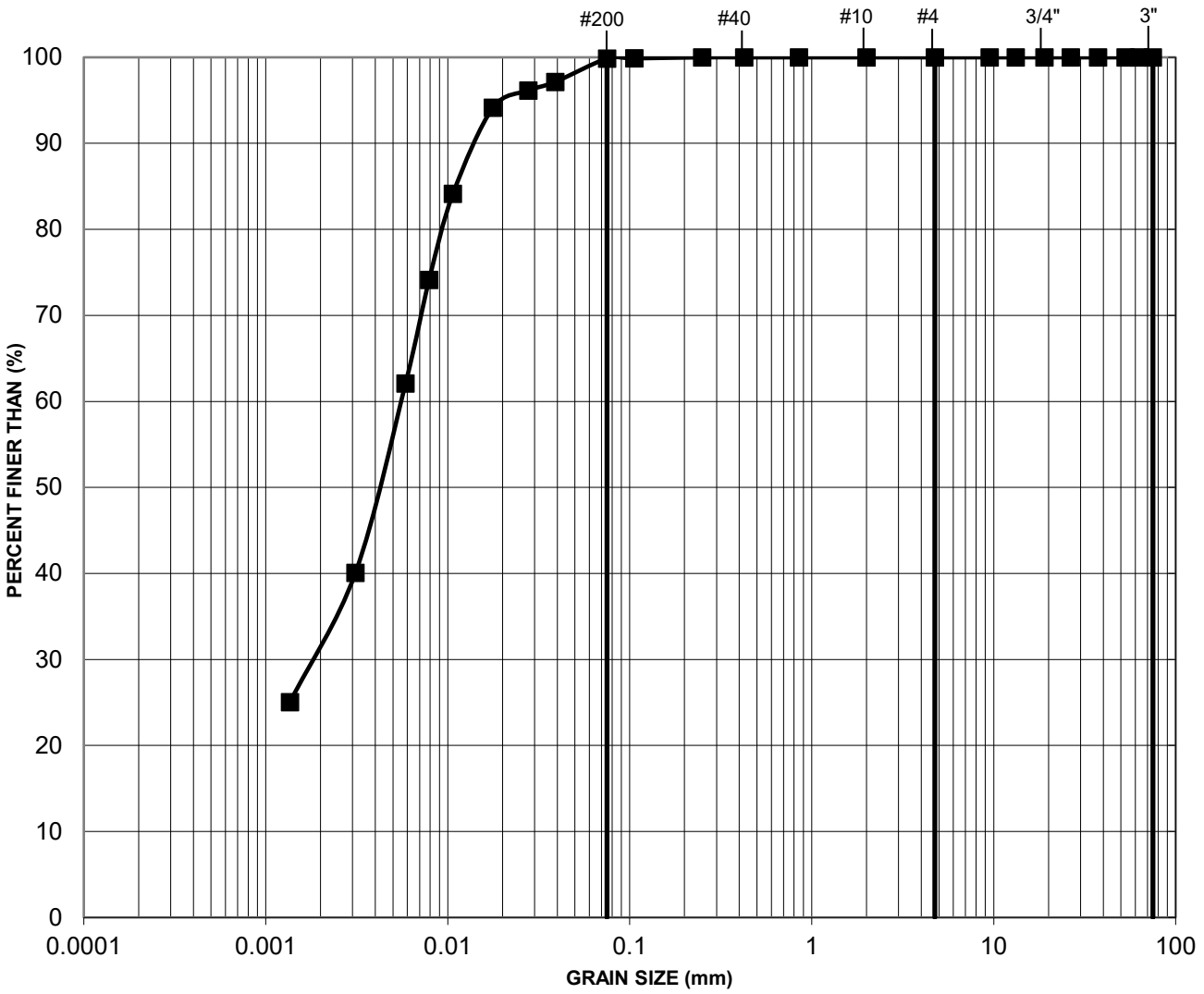


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
OP-BH-07	35128	22.86m - 23.1648m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

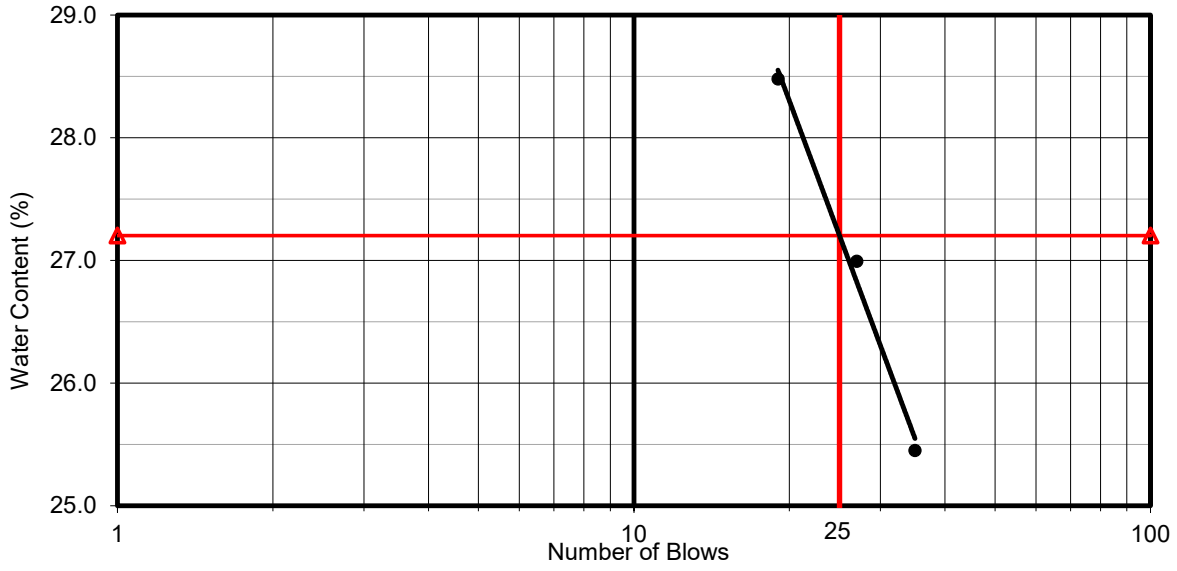
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**18-Aug-22**
Technician:	**HAB**
Lab Number:	**G757**
Borehole:	**OP-BH-07**
Sample Number:	**35128**
Depth of Sample:	**22.86m - 23.1648m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	3l	4m	r20			X	i	ab16	
NUMBER OF BLOWS	19	27	35			X	X	X	X
MASS WET SOIL + TARE (g)	19.19	19.70	18.38			648.00	26.78	26.39	
MASS DRY SOIL + TARE (g)	16.55	17.06	16.12			600.90	24.61	24.16	
MASS OF WATER (g)	2.64	2.64	2.26			47.10	2.17	2.23	
MASS OF CONTAINER (g)	7.28	7.28	7.24			386.04	14.22	13.56	
MASS OF DRY SOIL (g)	9.27	9.78	8.88			214.86	10.39	10.60	
WATER CONTENT W (%)	28.5	27.0	25.5			21.9	20.9	21.0	

LIQUID LIMIT (%)	**27.2**
PLASTIC LIMIT (%)	**21.0**
PLASTICITY INDEX (%)	**6.2**
W NATURAL (%)	**21.9**
LIQUIDITY INDEX	**0.15**

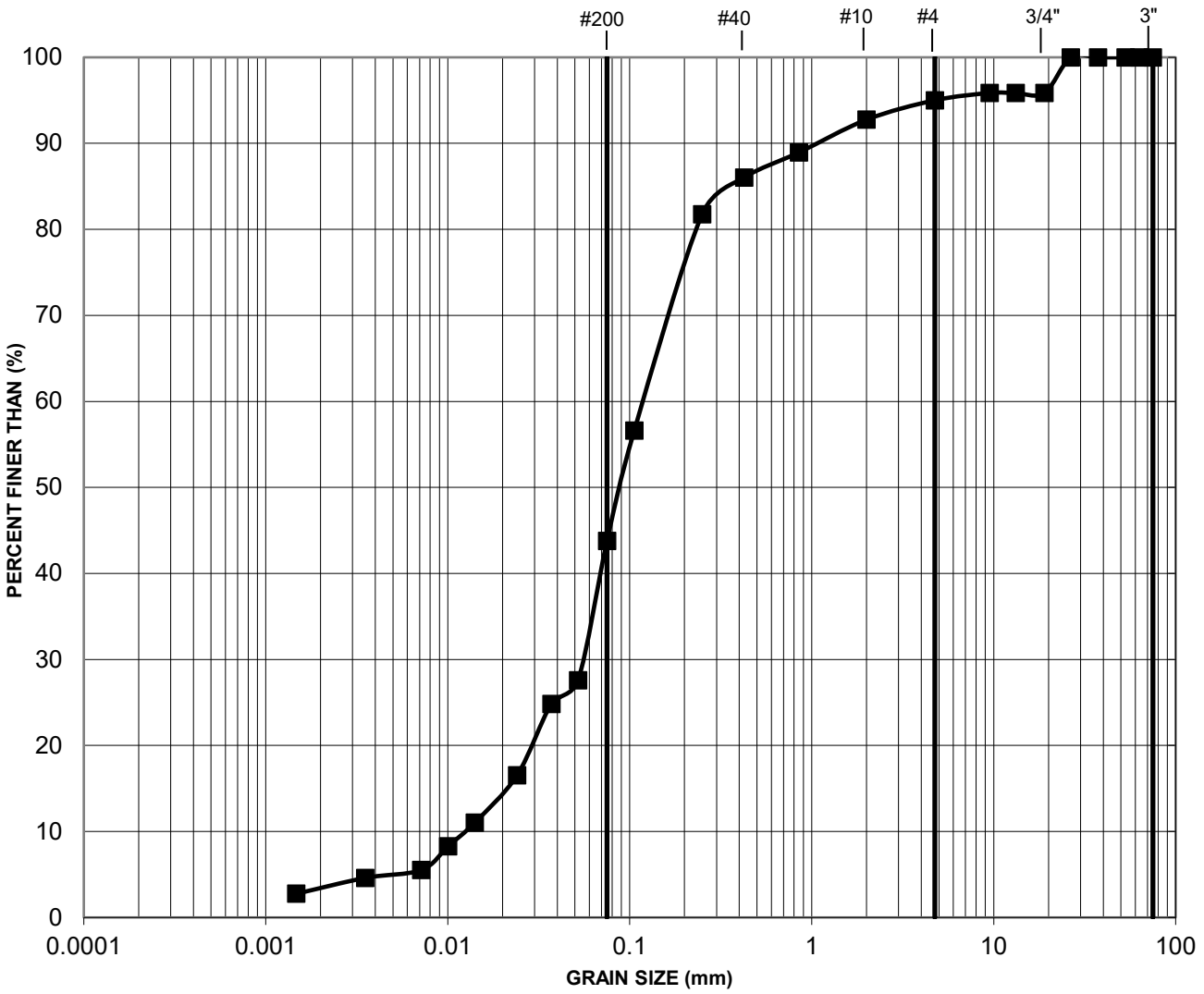


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

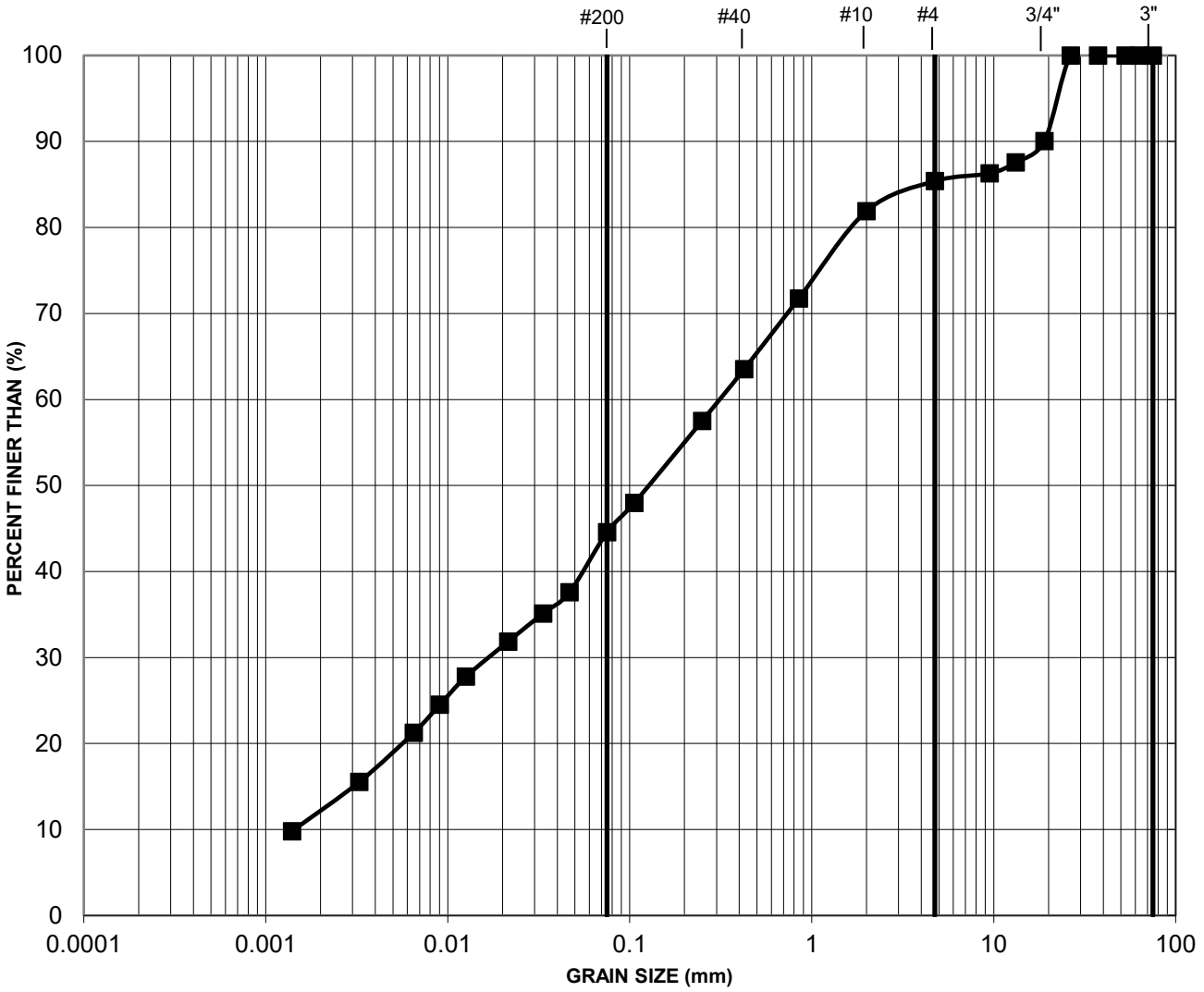
BH / Location	Sample	Depth
SOS-BH-01	58437	0.4216m - 20.7264r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

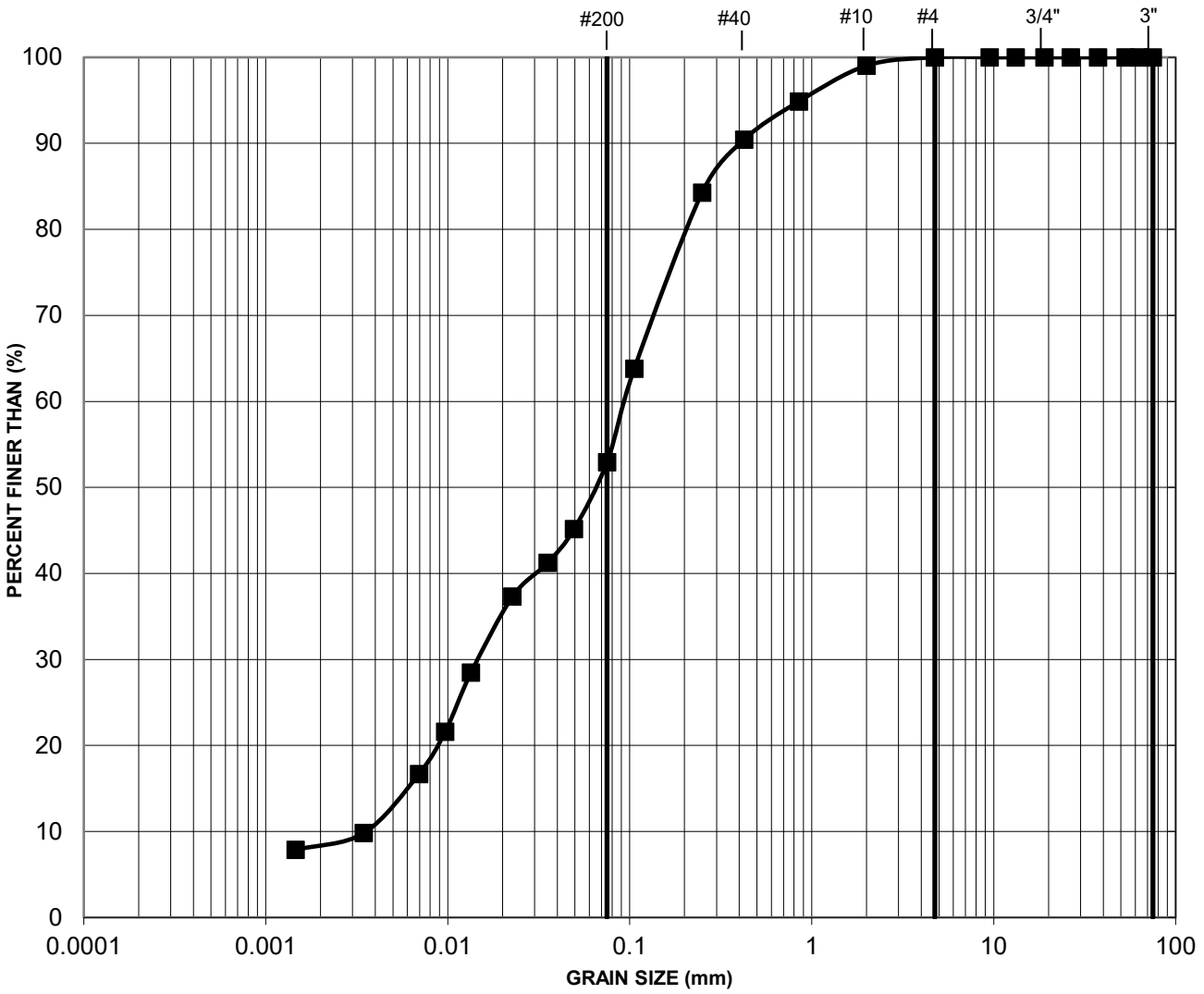
BH / Location	Sample	Depth
SOS-BH-01	58439	0.8788m - 21.1836r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

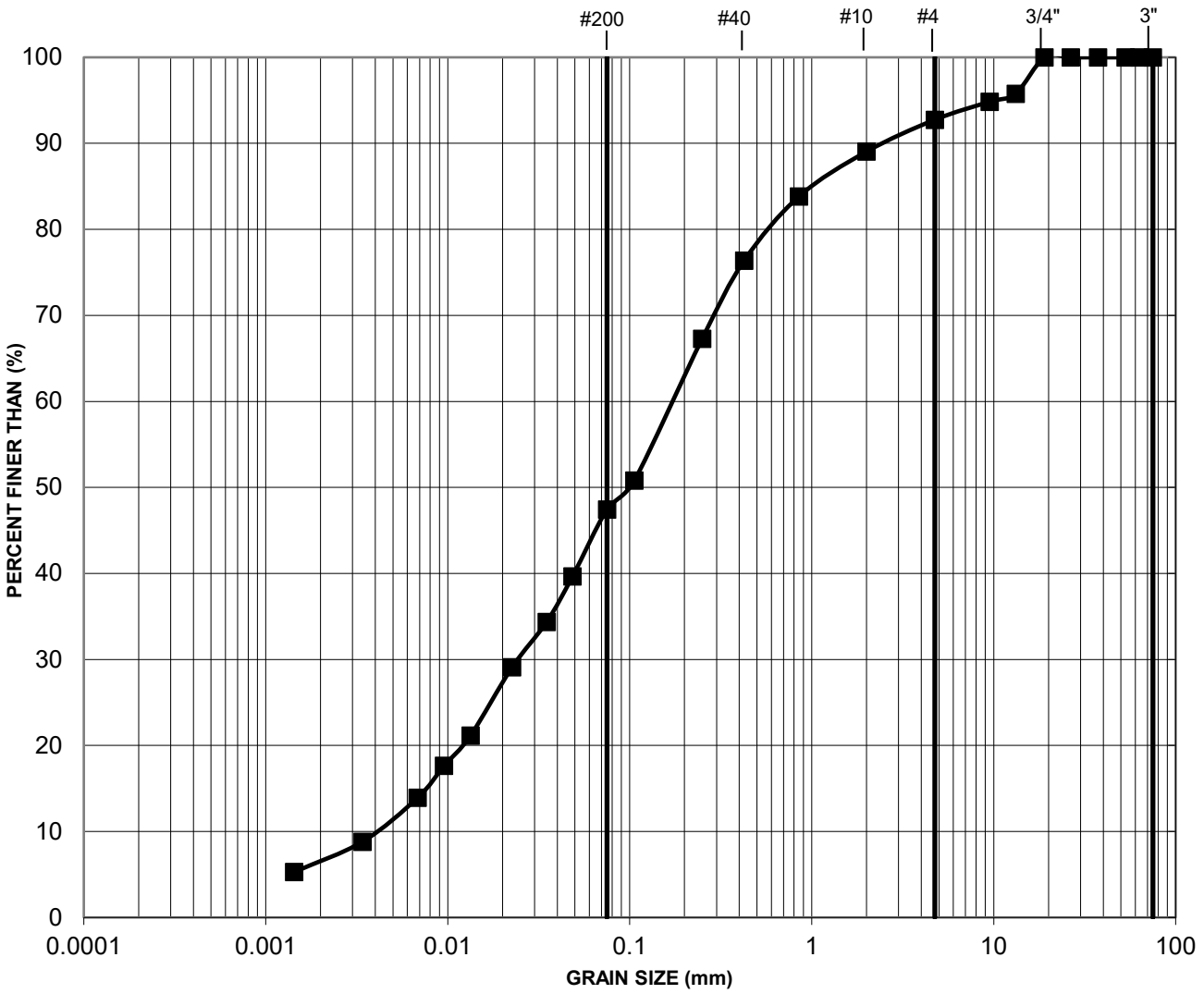
BH / Location	Sample	Depth
SOS-BH-01	58441	23.7744m - 24.384m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

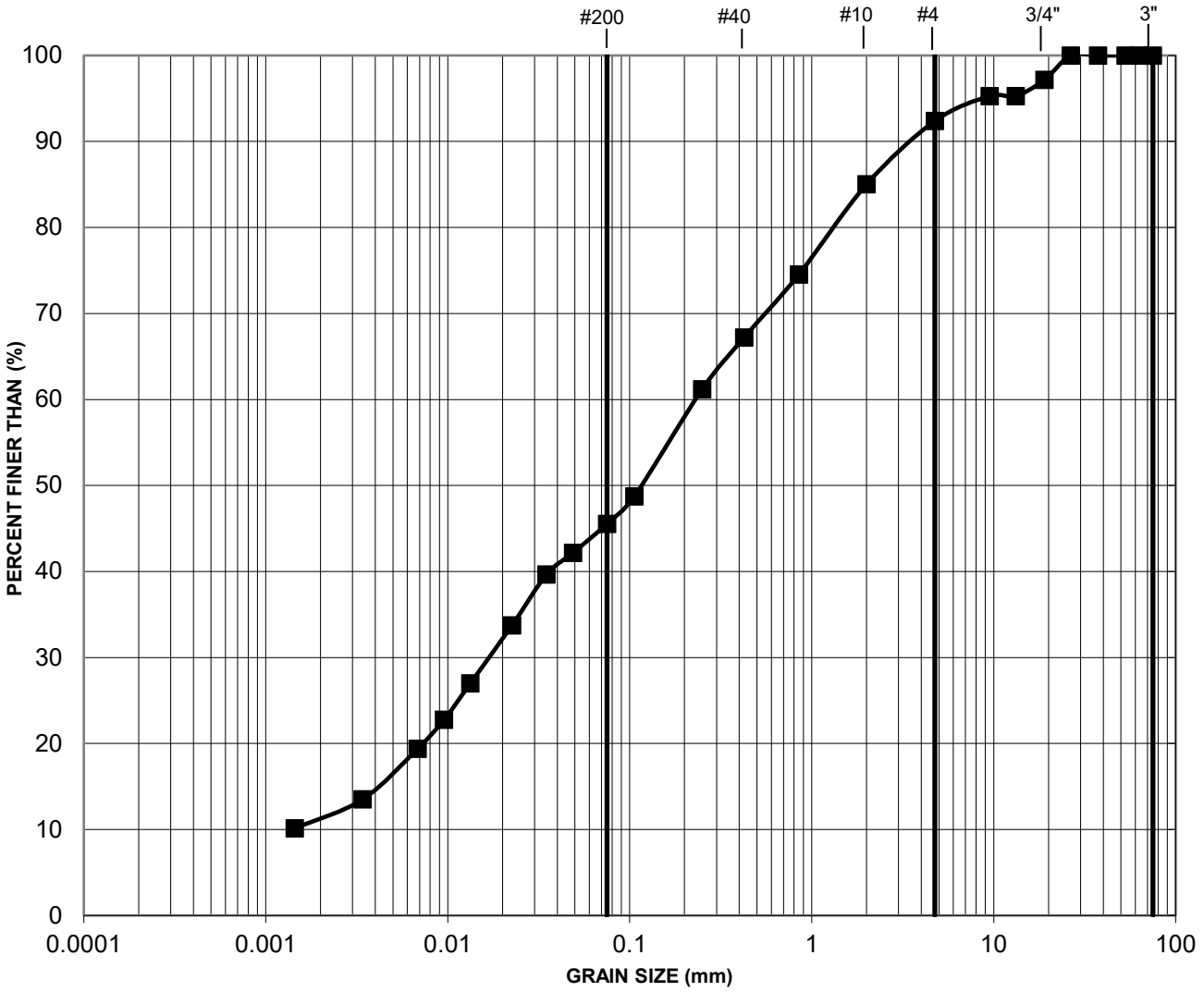
BH / Location	Sample	Depth
SOS-BH-01	58445	28.956m - 29.2608m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SOS-BH-01	58447	33.528m - 33.8328m

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

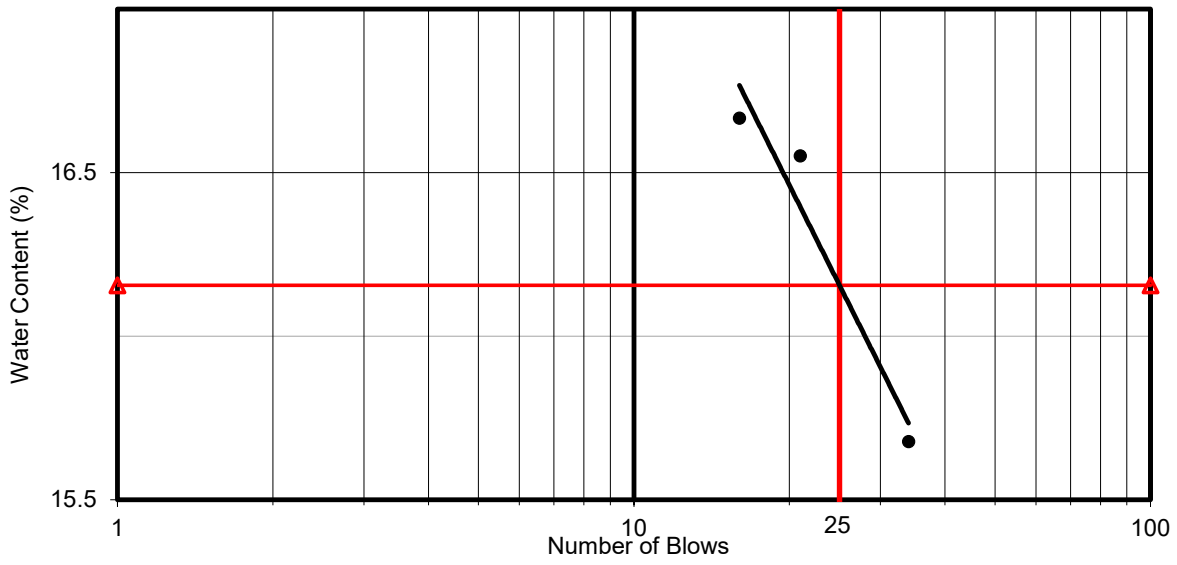
Reviewed by: TG

GOLDER

Liquid Limit, Plastic Limit and Plasticity Index of Soils ASTM D4318	
Project No./Phase/Task:	**21504835 ph3000**
Project Name:	**SRK Consulting/SRK Lab Testing**
Test Date:	**29-Aug-22**
Technician:	**HAB**
Lab Number:	**G762**
Borehole:	**SOS-BH-01**
Sample Number:	**58447**
Depth of Sample:	**33.528m - 33.8328m**
PLASTIC/NON-PLASTIC:	**Plastic**

TYPE OF TEST	**LL**					**W_n**	**PL**		
CONTAINER NUMBER	1L	R11L	R23L			X	m	1A	
NUMBER OF BLOWS	16	34	21			X	X	X	X
MASS WET SOIL + TARE (g)	19.96	18.24	17.31			891.60	26.78	26.58	
MASS DRY SOIL + TARE (g)	18.15	16.76	15.88			856.35	25.47	25.24	
MASS OF WATER (g)	1.81	1.48	1.43			35.25	1.31	1.34	
MASS OF CONTAINER (g)	7.29	7.32	7.24			383.68	14.05	13.94	
MASS OF DRY SOIL (g)	10.86	9.44	8.64			472.67	11.42	11.30	
WATER CONTENT W (%)	16.7	15.7	16.6			7.5	11.5	11.9	

LIQUID LIMIT (%)	**16.2**
PLASTIC LIMIT (%)	**11.7**
PLASTICITY INDEX (%)	**4.5**
W NATURAL (%)	**7.5**
LIQUIDITY INDEX	**-0.94**

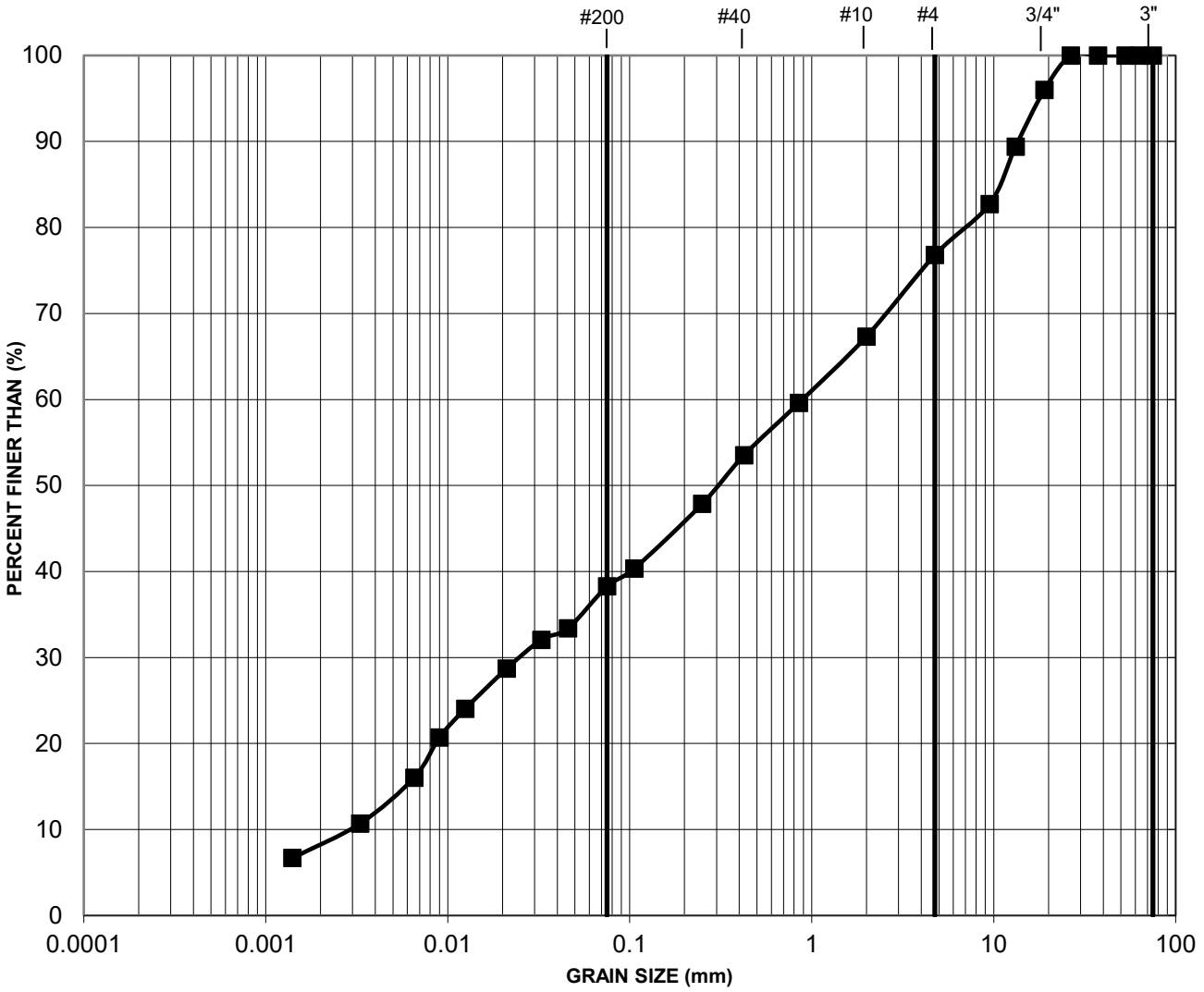


SAMPLE DESCRIPTION:

Reviewed by: TG

GOLDER

GRAIN SIZE DISTRIBUTION	FIGURE



SILT AND CLAY	FINE	MEDIUM	COARSE	FINE	COARSE	COBBLE SIZE
	SAND SIZE			GRAVEL SIZE		

BH / Location	Sample	Depth
SOS-BH-01	58449	6.8808m - 37.1856r

Project No./Phase/Task: 21504835 ph3000
Project Name: SRK Consulting/SRK Lab Testing

Reviewed by: TG

GOLDER

GOLDER
MEMBER OF WSP

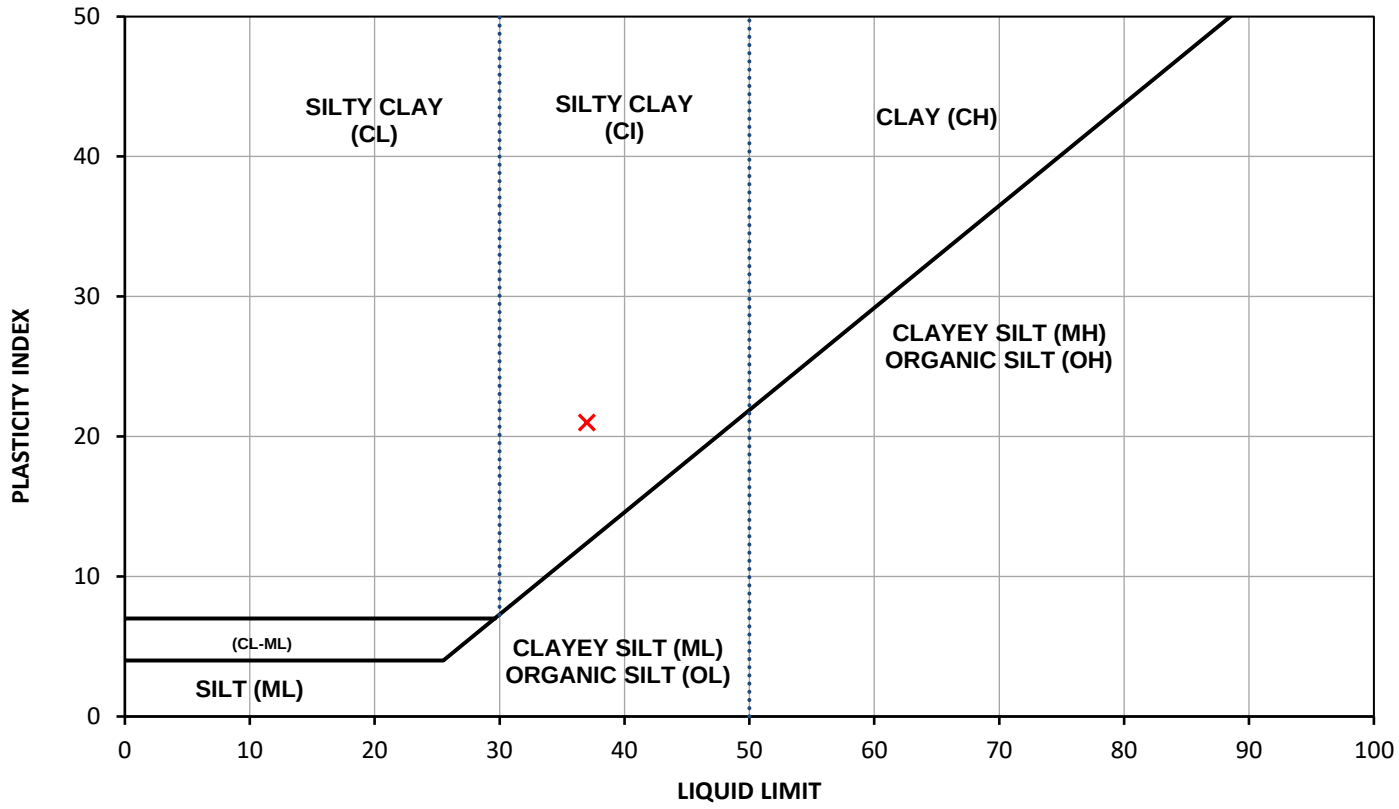
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

ASTM D4318

Method A - Multipoint Test

Test Request #	B22-293	Project Number:	22552684-1000
Client:	SRK Consulting (Canada) Inc.	Project Location:	Not Given
Project Name:	Project Ref # CAPR000801	Sample Location:	SRK TP-01
Source:		Sample No.:	1
Soil Description:		Type:	GS
		Depth (m):	3.50 -

Specimen Reference	NA	Specimen Depth (m):	NA	Date of Test	19 Sep 2022
Specimen Description	NA				



Legend

A-Line

Sample Location	Sample / Specimen Number	Top Depth (m)	Base Depth (m)	Percent Passing #40 Sieve	Natural Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index
SRK TP-01	1	3.50		92	23.9	37	16	21	0.38

NP = Non-Plastic
ND = Not Determined

Test Preparation
Wet Preparation Tested in natural condition

Notes:

Disclaimer:
The laboratory testing services reported herein have been performed in accordance with the terms of a contract with Golder's client, and with the recognized standards indicated in this report, or local industry practice. This laboratory testing services report is for the sole use of Golder's client, relates only to the sample(s) tested and does not represent any (actual or implied) interpretation or opinion regarding specification compliance or materials suitability for any specific purpose.

Tested by: JPandez **Date:** 19 Sep 2022
Checked by: KScribner **Date:** 20 Sep 2022
Reviewed by: SJohn **Date:** 21 Sep 2022

Golder Associates
Unit 300 - 3811 North Fraser Way, Burnaby, British Columbia, V5J 5J2, Canada
[+1] 604 412 6899

GOLDER
MEMBER OF WSP

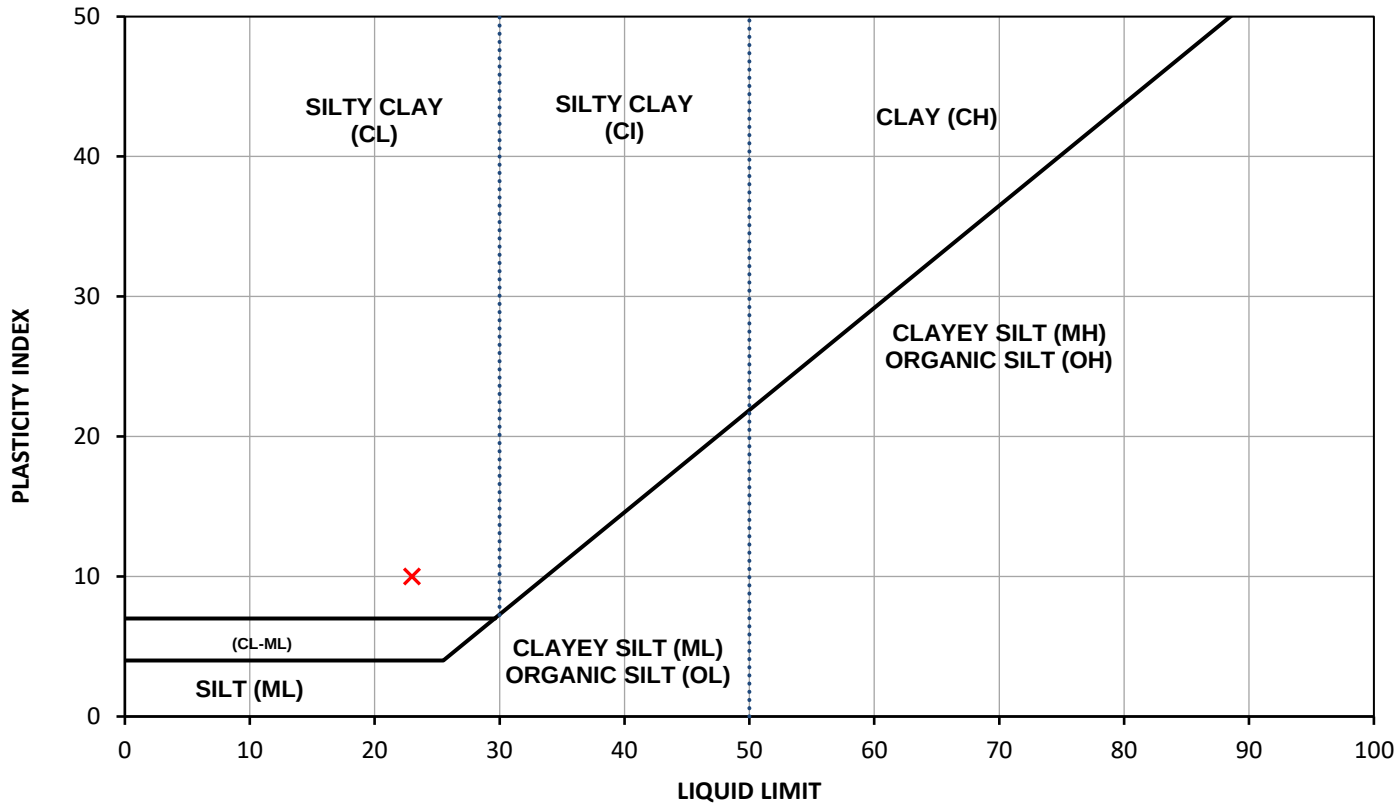
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

ASTM D4318

Method A - Multipoint Test

Test Request #	B22-293	Project Number:	22552684-1000
Client:	SRK Consulting (Canada) Inc.	Project Location:	Not Given
Project Name:	Project Ref # CAPR000801	Sample Location:	SRK TP-01
Source:		Sample No.:	2
Soil Description:		Type:	GS
		Depth (m):	6.00 -

Specimen Reference	NA	Specimen Depth (m):	NA	Date of Test	19 Sep 2022
Specimen Description	NA				



Legend

A-Line

Sample Location	Sample / Specimen Number	Top Depth (m)	Base Depth (m)	Percent Passing #40 Sieve	Natural Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index
SRK TP-01	2	6.00		91	19.6	23	13	10	0.66

NP = Non-Plastic
ND = Not Determined

Test Preparation
Wet Preparation Tested in natural condition

Notes:

Disclaimer:
The laboratory testing services reported herein have been performed in accordance with the terms of a contract with Golder's client, and with the recognized standards indicated in this report, or local industry practice. This laboratory testing services report is for the sole use of Golder's client, relates only to the sample(s) tested and does not represent any (actual or implied) interpretation or opinion regarding specification compliance or materials suitability for any specific purpose.

Tested by: JPandez **Date:** 19 Sep 2022
Checked by: KScribner **Date:** 20 Sep 2022
Reviewed by: SJohn **Date:** 21 Sep 2022

Golder Associates
Unit 300 - 3811 North Fraser Way, Burnaby, British Columbia, V5J 5J2, Canada
[+1] 604 412 6899

GOLDER
MEMBER OF WSP

Water Content Summary
ASTM D2216

Test Request #	B22-293	Project Number:	22552684-1000
Client:	SRK Consulting (Canada) Inc.	Project Location:	Not Given
Project Name:	Project Ref # CAPR000801		

Sample Location	Sample				Soil Description	Water Content %	Method	Remarks
	Ref	Top (m)	Base (m)	Type				
SRK TP-01	1	3.50		GS		23.9	B	
SRK TP-01	2	6.00		GS		19.6	B	

Notes:

Disclaimer:

The laboratory testing services reported herein have been performed in accordance with the terms of a contract with Golder's client, and with the recognized standards indicated in this report, or local industry practice. This laboratory testing services report is for the sole use of Golder's client, relates only to the sample(s) tested and does not represent any (actual or implied) interpretation or opinion regarding specification compliance or materials suitability for any specific purpose.

Tested by: SJohn **Date:** 15 Sep 2022
Checked by: KScribner **Date:** 20 Sep 2022
Reviewed by: SJohn **Date:** 21 Sep 2022

Golder Associates
Unit 300 - 3811 North Fraser Way, Burnaby, British Columbia, V5J 5J2, Canada
[+1] 604 412 6899

GOLDER
MEMBER OF WSP

PARTICLE SIZE DISTRIBUTION

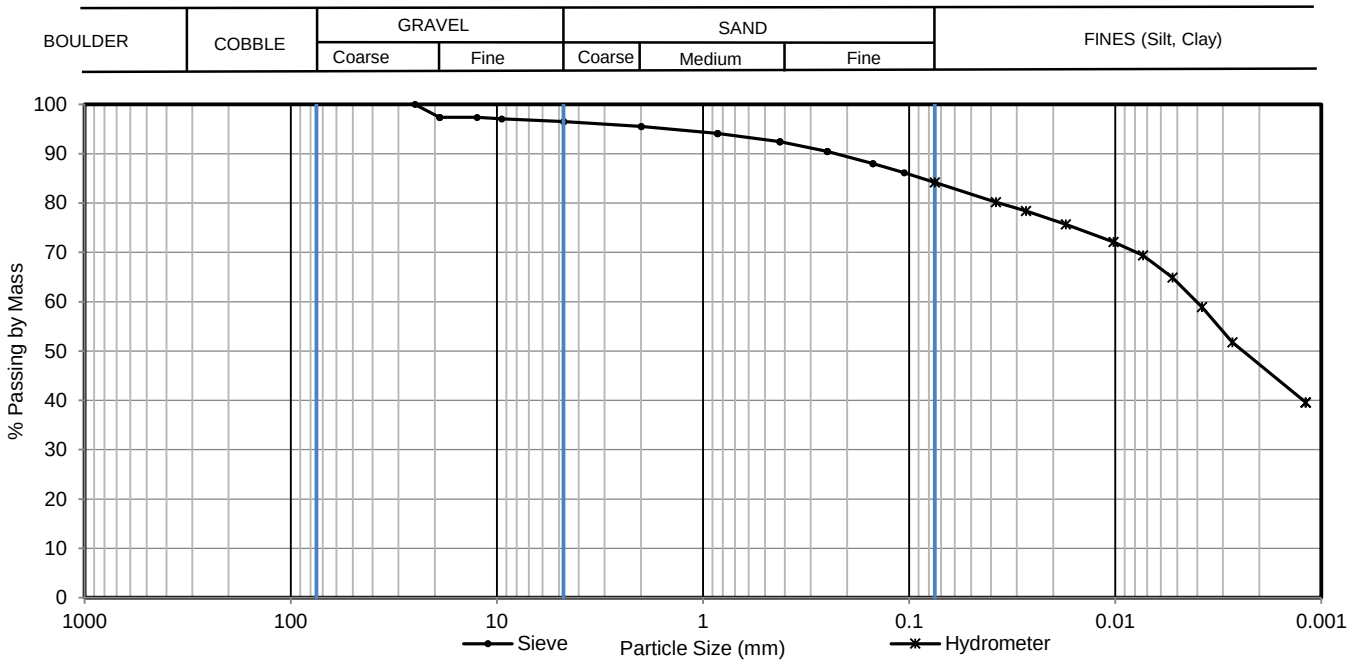
ASTM D6913 and ASTM D422

Method B

Test Request #	B22-293	Project Number:	22552684-1000
Client:	SRK Consulting (Canada) Inc.	Project Location:	Not Given
Project Name:	Project Ref # CAPR000801	Sample Location:	SRK TP-01
Source:		Sample No.:	1
Soil Description:		Type:	GS
		Depth (m):	3.50 -

Specimen Reference	NA	Specimen Depth (m):	NA	Date of Test	9/19/2022
Specimen Description	NA				

Grain Size Distribution (%) 3.5 12.3 84.2



Sieve			Hydrometer Sedimentation	
Sieve No.	Particle Size mm	% Passing	Particle Size mm	% Passing
1"	25	100.0	0.0380	80.2
3/4"	19	97.4	0.0271	78.4
1/2"	12.5	97.4	0.0174	75.7
3/8"	9.5	97.1	0.0102	72.1
#4	4.75	96.5	0.0073	69.4
#10	2	95.5	0.0053	64.9
#20	0.85	94.1	0.0038	58.9
#40	0.425	92.4	0.0027	51.8
#60	0.25	90.5	0.0012	39.6
#100	0.15	88.0		
#140	0.106	86.2		
#200	0.075	84.2		
			0.005 mm	63.90
			0.002 mm	47.30
			D60	0.00
			D30	
			D10	
			Cu	
			Cc	

Notes:

Disclaimer:

The laboratory testing services reported herein have been performed in accordance with the terms of a contract with Golder's client, and with the recognized standards indicated in this report, or local industry practice. This laboratory testing services report is for the sole use of Golder's client, relates only to the sample(s) tested and does not represent any (actual or implied) interpretation or opinion regarding specification compliance or materials suitability for any specific purpose.

Tested by: KScribner **Date:** 19-Sep-22 **Checked by:** VNogra **Date:** 21-Sep-22 **Reviewed by:** SJohn **Date:** 21-Sep-22

Golder Associates
Unit 300 - 3811 North Fraser Way, Burnaby, British Columbia, V5J 5J2, Canada
[+1] 604 412 6899

GOLDER
MEMBER OF WSP

PARTICLE SIZE DISTRIBUTION

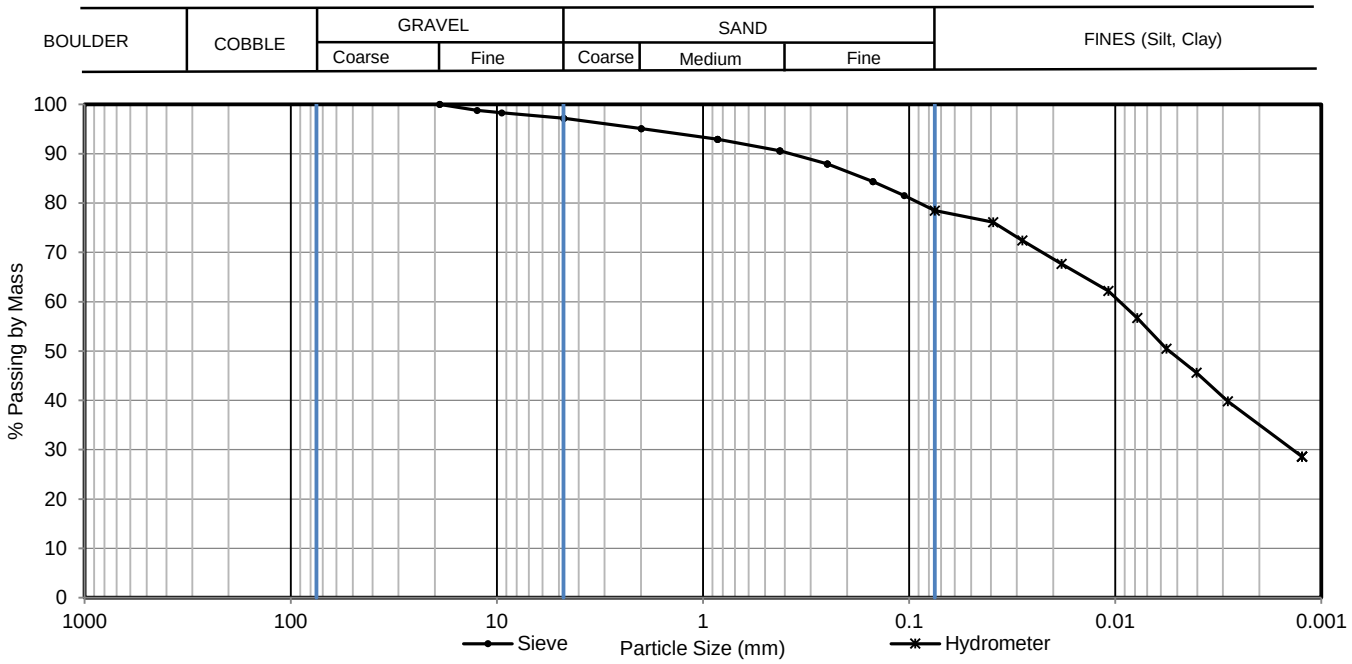
ASTM D6913 and ASTM D422

Method B

Test Request #	B22-293	Project Number:	22552684-1000
Client:	SRK Consulting (Canada) Inc.	Project Location:	Not Given
Project Name:	Project Ref # CAPR000801	Sample Location:	SRK TP-01
Source:		Sample No.:	2
Soil Description:		Type:	GS
		Depth (m):	6.00 -

Specimen Reference	NA	Specimen Depth (m):	NA	Date of Test	9/19/2022
Specimen Description	NA				

Grain Size Distribution (%) 2.8 18.7 78.5



Sieve			Hydrometer Sedimentation	
Sieve No.	Particle Size mm	% Passing	Particle Size mm	% Passing
3/4"	19	100.0	0.0391	76.1
1/2"	12.5	98.8	0.0282	72.4
3/8"	9.5	98.3	0.0182	67.7
#4	4.75	97.2	0.0108	62.2
#10	2	95.1	0.0078	56.7
#20	0.85	93.0	0.0057	50.5
#40	0.425	90.6	0.0040	45.6
#60	0.25	88.0	0.0028	39.8
#100	0.15	84.4	0.0012	28.6
#140	0.106	81.6		
#200	0.075	78.5		
			0.005 mm	48.70
			0.002 mm	35.10
			D60	0.01
			D30	0.00
			D10	
			Cu	
			Cc	

Notes:

Disclaimer:

The laboratory testing services reported herein have been performed in accordance with the terms of a contract with Golder's client, and with the recognized standards indicated in this report, or local industry practice. This laboratory testing services report is for the sole use of Golder's client, relates only to the sample(s) tested and does not represent any (actual or implied) interpretation or opinion regarding specification compliance or materials suitability for any specific purpose.

Tested by: KScribner **Date:** 19-Sep-22 **Checked by:** VNogra **Date:** 21-Sep-22 **Reviewed by:** SJohn **Date:** 21-Sep-22

Golder Associates
Unit 300 - 3811 North Fraser Way, Burnaby, British Columbia, V5J 5J2, Canada
[+1] 604 412 6899

ATTERBERG LIMITS

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

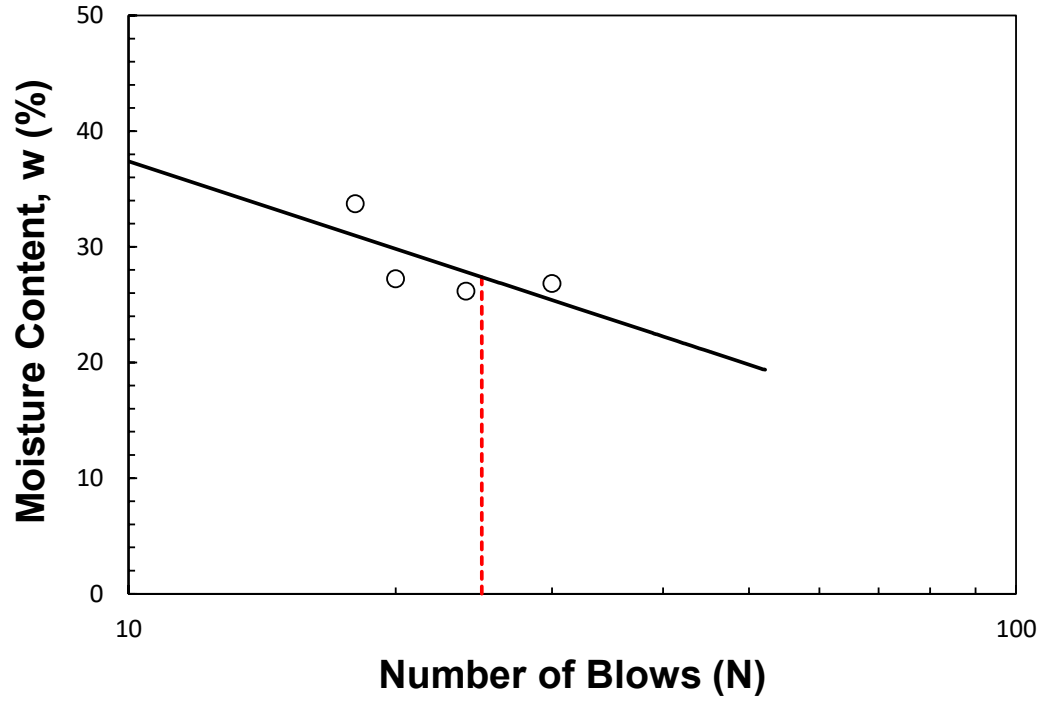
DATE May 17 2022
SAMPLE NO.
B.H. NO. 058266
DEPTH
LOCATION
TESTED BY Hamed Behzadipour

TYPE OF TEST	w_L	w_L	w_L	w_L	w_O
CONTAINER NO.	1	2	3	4	
NUMBER OF BLOWS(N)	24	18	30	20	
MASS CONT.+WET SOIL	5.83	5.65	5.51	7.83	
MASS CONT.+DRY SOIL	4.89	4.55	4.54	6.43	
MASS OF WATER	0.94	1.1	0.87	1.4	
MASS OF CONTAINER	1.3	1.29	1.3	1.29	
MASS OF DRY SOIL	3.59	3.26	3.24	5.14	
WATER CONTENT(w)	26 %	34 %	26 %	27 %	

TYPE OF TEST	w_P	w_P
CONTAINER NO.	1	
MASS CONT.+WET SOIL	3.1	
MASS CONT.+DRY SOIL	2.9	
MASS OF WATER	0.2	
MASS OF CONTAINER	1.29	
MASS OF DRY SOIL	1.61	
WATER CONTENT(w)	12.4 %	

LIQUID LIMIT (w_L) 28%
PLASTIC LIMIT (w_P) 12%
NATURAL M.C. (w_O) 29 %
PLASTICITY INDEX (I_P) 16%
LIQUIDITY INDEX (I_L) 1.06
FLOW INDEX (F_i)

ONE POINT METHOD
$w_L = w_N (N/25)^{.0.121}$
w_L=



SAMPLE DESCRIPTION

REMARKS

ATTERBERG LIMITS

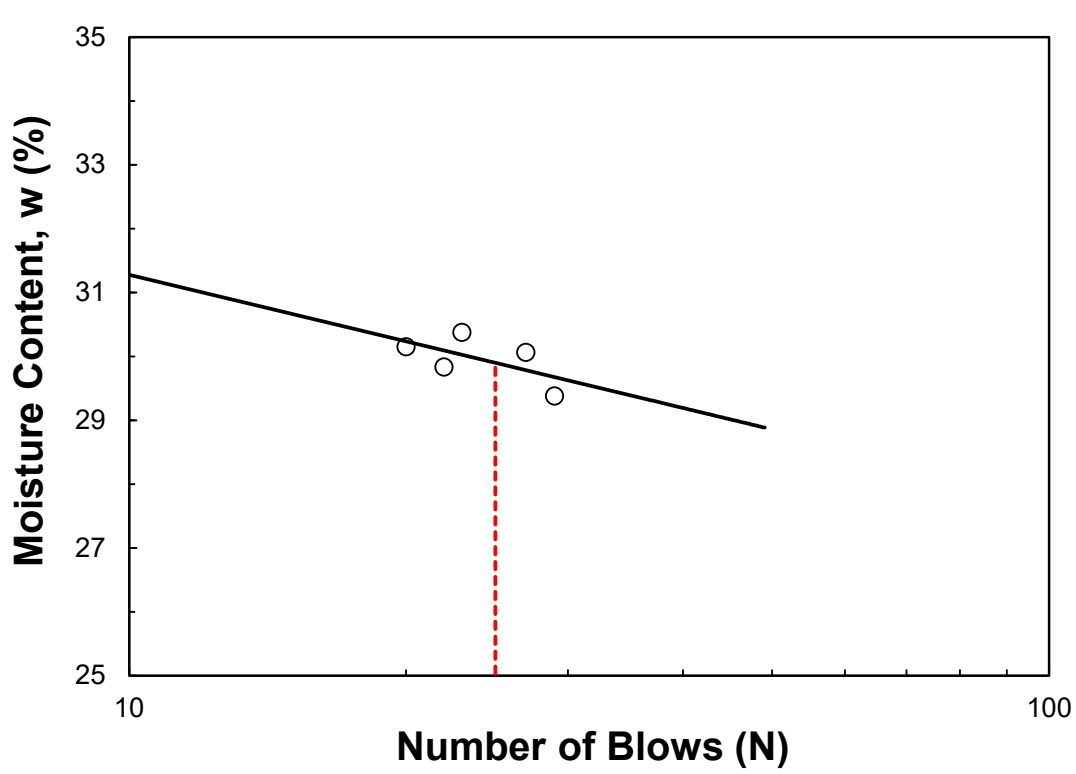
GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE	May 17 2022
SAMPLE NO.	1
B.H. NO.	058289
DEPTH :	
LOCATION	
TESTED BY	Hamed Behzadipour

TYPE OF TEST	w_L	w_L	w_L	w_L	w_O
CONTAINER NO.	1	2	3	4	5
NUMBER OF BLOWS(N)	29	27	20	22	23
MASS CONT.+WET SOIL	6.54	5.54	9.07	8.35	8.94
MASS CONT.+DRY SOIL	5.35	4.56	7.27	6.73	7.16
MASS OF WATER	1.19	0.98	1.8	1.62	1.78
MASS OF CONTAINER	1.3	1.3	1.3	1.3	1.3
MASS OF DRY SOIL	4.05	3.26	5.97	5.43	5.86
WATER CONTENT(w)	29.4%	30.1%	30.2%	29.8	30.4

TYPE OF TEST	w_P	w_P	LIQUID LIMIT (w_L) 30%
CONTAINER NO.	1		PLASTIC LIMIT (w_P) 16%
MASS CONT.+WET SOIL	18.84		NATURAL M.C. (w_O) 25%
MASS CONT.+DRY SOIL	16.36		PLASTICITY INDEX (I_P) 14%
MASS OF WATER	2.48		LIQUIDITY INDEX (I_L) 0.64
MASS OF CONTAINER	1.3		FLOW INDEX (F_i)
MASS OF DRY SOIL	15.06		ONE POINT METHOD
WATER CONTENT(w)	16.46%		$w_L = w_N (N/25)^{.0.121}$
			w_L=



SAMPLE DESCRIPTION

REMARKS

ATTERBERG LIMITS

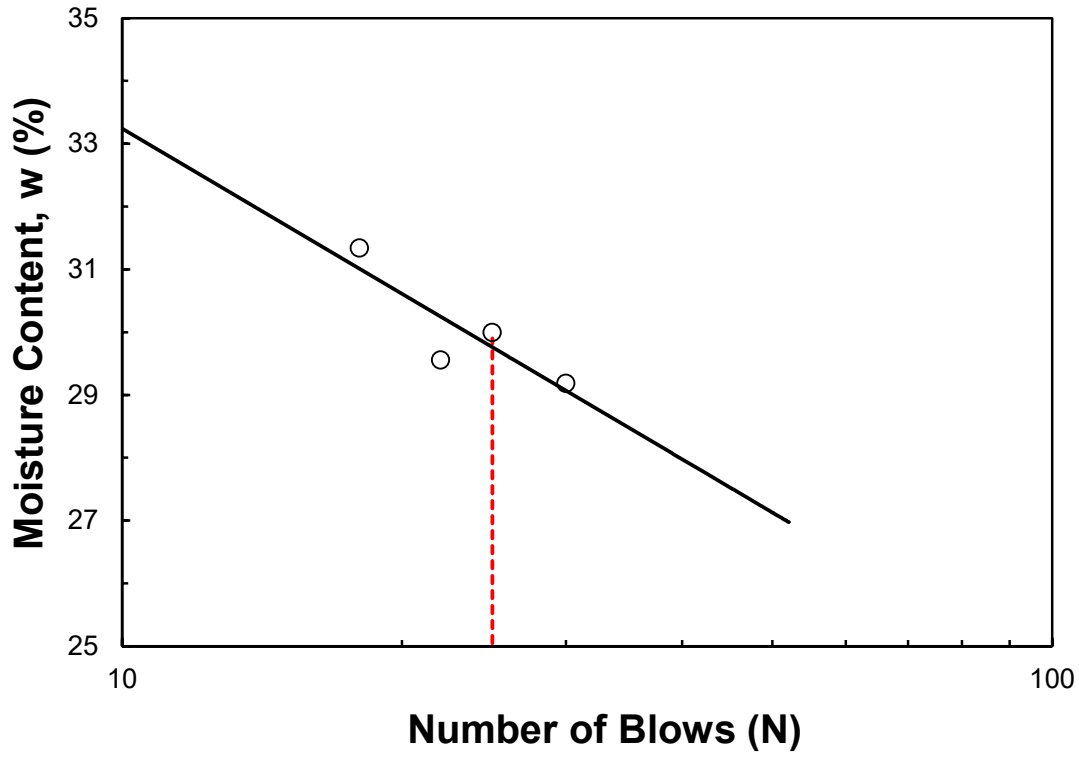
GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE	May 17 2022
SAMPLE NO.	
B.H. NO.	058309
DEPTH	
LOCATION	
TESTED BY	Hamed Behzadipour

TYPE OF TEST	w_L	w_L	w_L	w_L	w_O
CONTAINER NO.	1	2	3	4	
NUMBER OF BLOWS(N)	18	22	25	30	
MASS CONT.+WET SOIL	3.94	5.41	3.77	6.38	
MASS CONT.+DRY SOIL	3.31	4.47	3.2	5.23	
MASS OF WATER	0.63	0.94	0.57	1.15	
MASS OF CONTAINER	1.3	1.29	1.3	1.29	
MASS OF DRY SOIL	2.01	3.18	1.9	3.94	
WATER CONTENT(w)	31%	29.5%	30%	29 %	

TYPE OF TEST	w_P	w_P	LIQUID LIMIT (w_L) 30%
CONTAINER NO.	1.29		PLASTIC LIMIT (w_P) 16%
MASS CONT.+WET SOIL	4.56		NATURAL M.C. (w_O) 25.5%
MASS CONT.+DRY SOIL	4.11		PLASTICITY INDEX (I_P) 14%
MASS OF WATER	0.45		LIQUIDITY INDEX (I_L) 0.68
MASS OF CONTAINER	1.29		FLOW INDEX (F_i)
MASS OF DRY SOIL	2.82		ONE POINT METHOD
WATER CONTENT(w)	16%		$w_L = w_N (N/25)^{.0.121}$
			w_L=



SAMPLE DESCRIPTION

REMARKS

ATTERBERG LIMITS

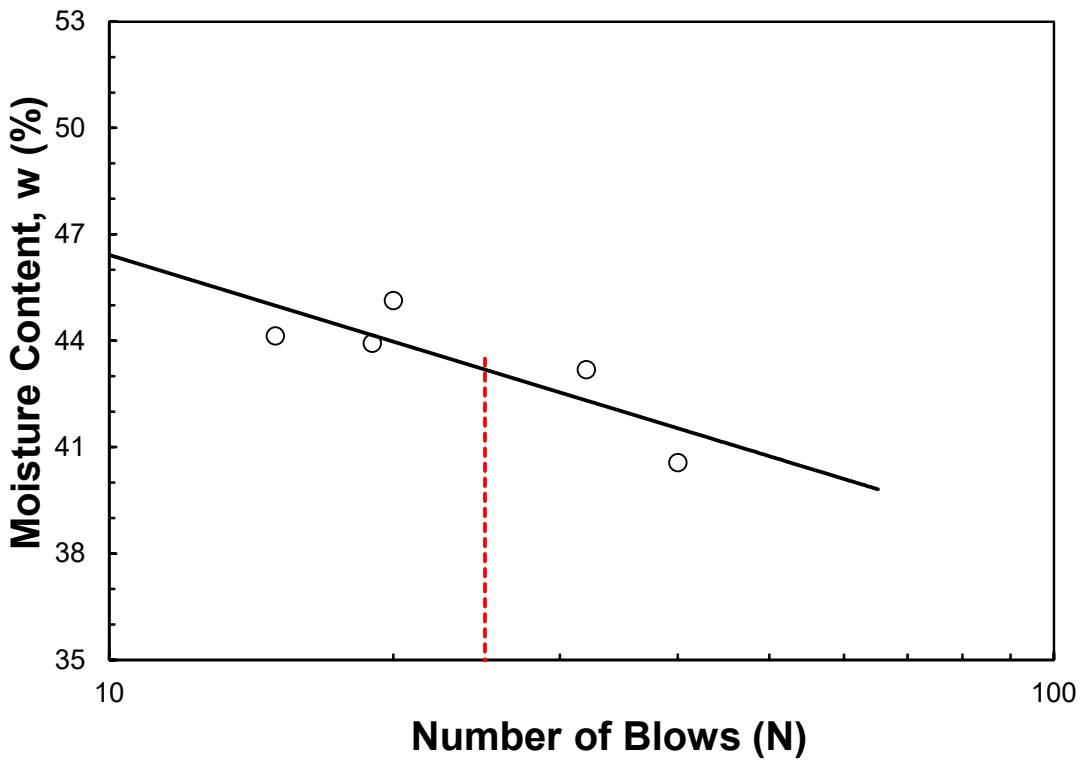
GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE	May 17 2022
SAMPLE NO.	
B.H. NO.	058495
DEPTH	
LOCATION	
TESTED BY	Hamed Behzadipour

TYPE OF TEST	w_L	w_L	w_L	w_L	w_O
CONTAINER NO.	1	2	3	4	5
NUMBER OF BLOWS(N)	20	32	15	19	40
MASS CONT.+WET SOIL	5.47	4.97	5.48	5.69	5.24
MASS CONT.+DRY SOIL	4.17	3.86	4.2	4.35	4.1
MASS OF WATER	1.3	1.11	1.28	1.34	1.14
MASS OF CONTAINER	1.29	1.29	1.3	1.3	1.29
MASS OF DRY SOIL	2.88	2.57	2.9	3.05	2.81
WATER CONTENT(w)	45	43	44	43	40

TYPE OF TEST	w_P	w_P	LIQUID LIMIT (w_L) 44%
CONTAINER NO.	1		PLASTIC LIMIT (w_P) 25%
MASS CONT.+WET SOIL	5.05		NATURAL M.C. (w_O) 40%
MASS CONT.+DRY SOIL	4.3		PLASTICITY INDEX (I_P) 19%
MASS OF WATER	0.75		LIQUIDITY INDEX (I_L) 79%
MASS OF CONTAINER	1.28		FLOW INDEX (F_i)
MASS OF DRY SOIL	3.02		ONE POINT METHOD
WATER CONTENT(w)	24.8		$w_L = w_N (N/25)^{.0.121}$
			w_L=

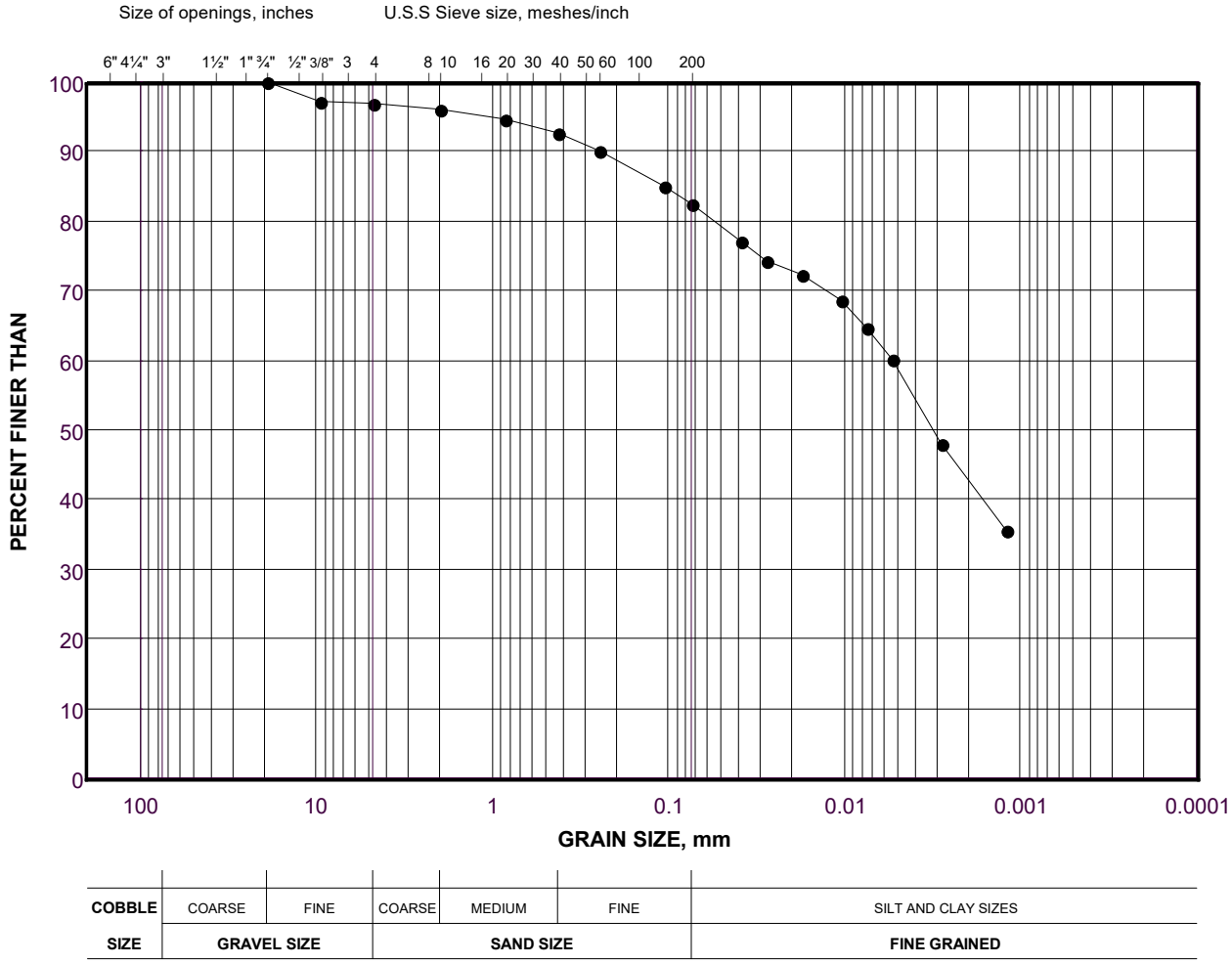


SAMPLE DESCRIPTION

REMARKS

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	LG-BH-01	167383	5.18 - 5.79

Project Number: 21504835

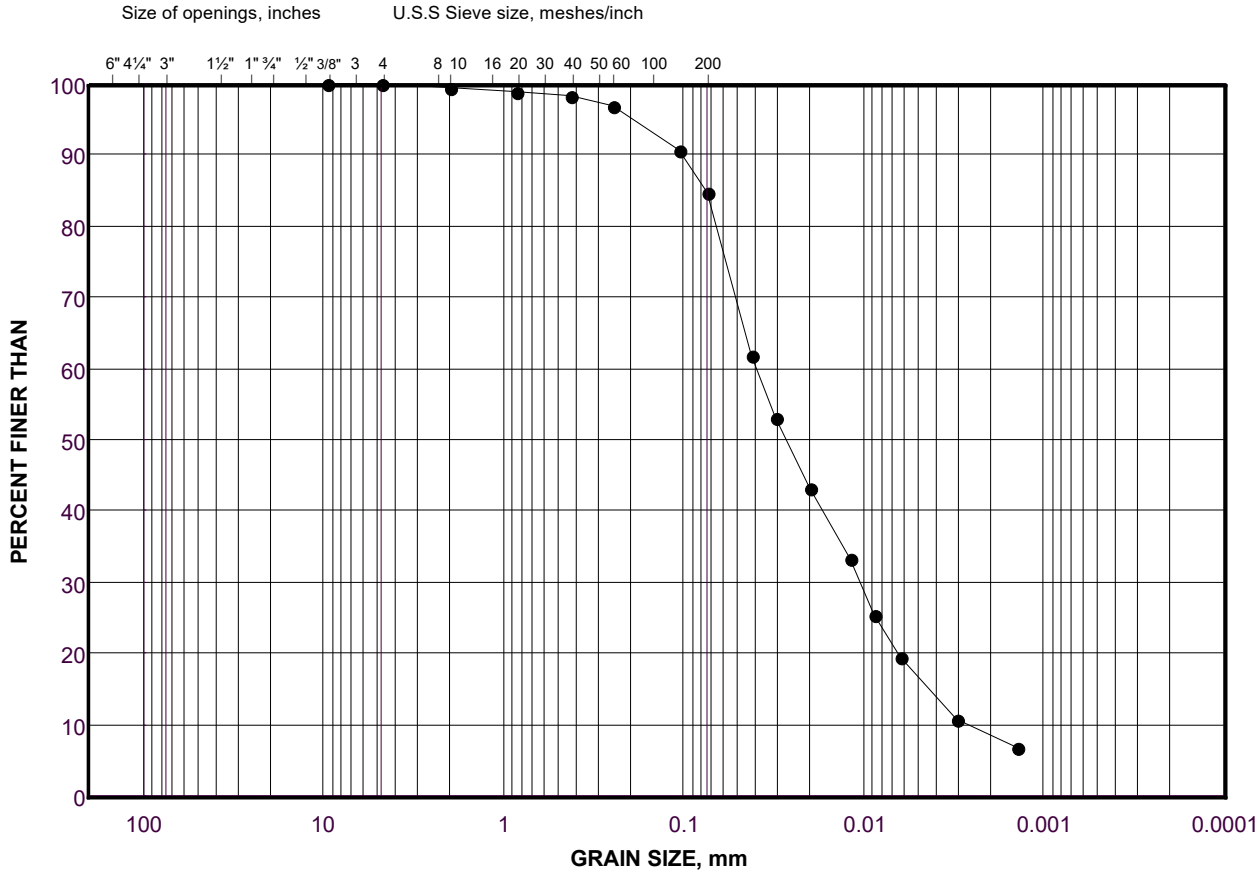
Checked By: LH

Golder Associates

Date: 12-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	LG-BH-01	167388	27.74 - 28.35

Project Number: 21504835

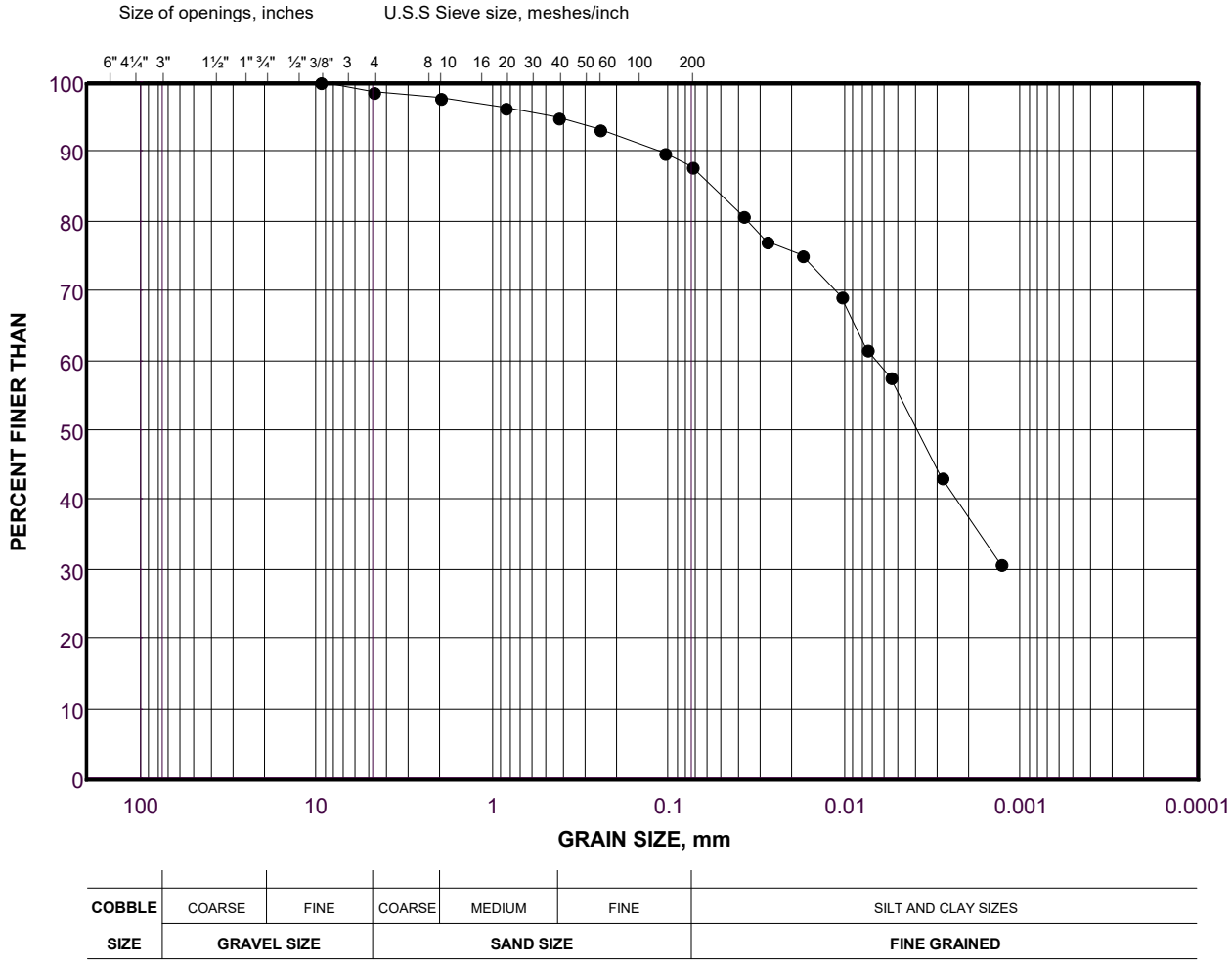
Checked By: LH

Golder Associates

Date: 12-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	LGS-BH-08	35237	5.49 - 6.10

Project Number: 21504835

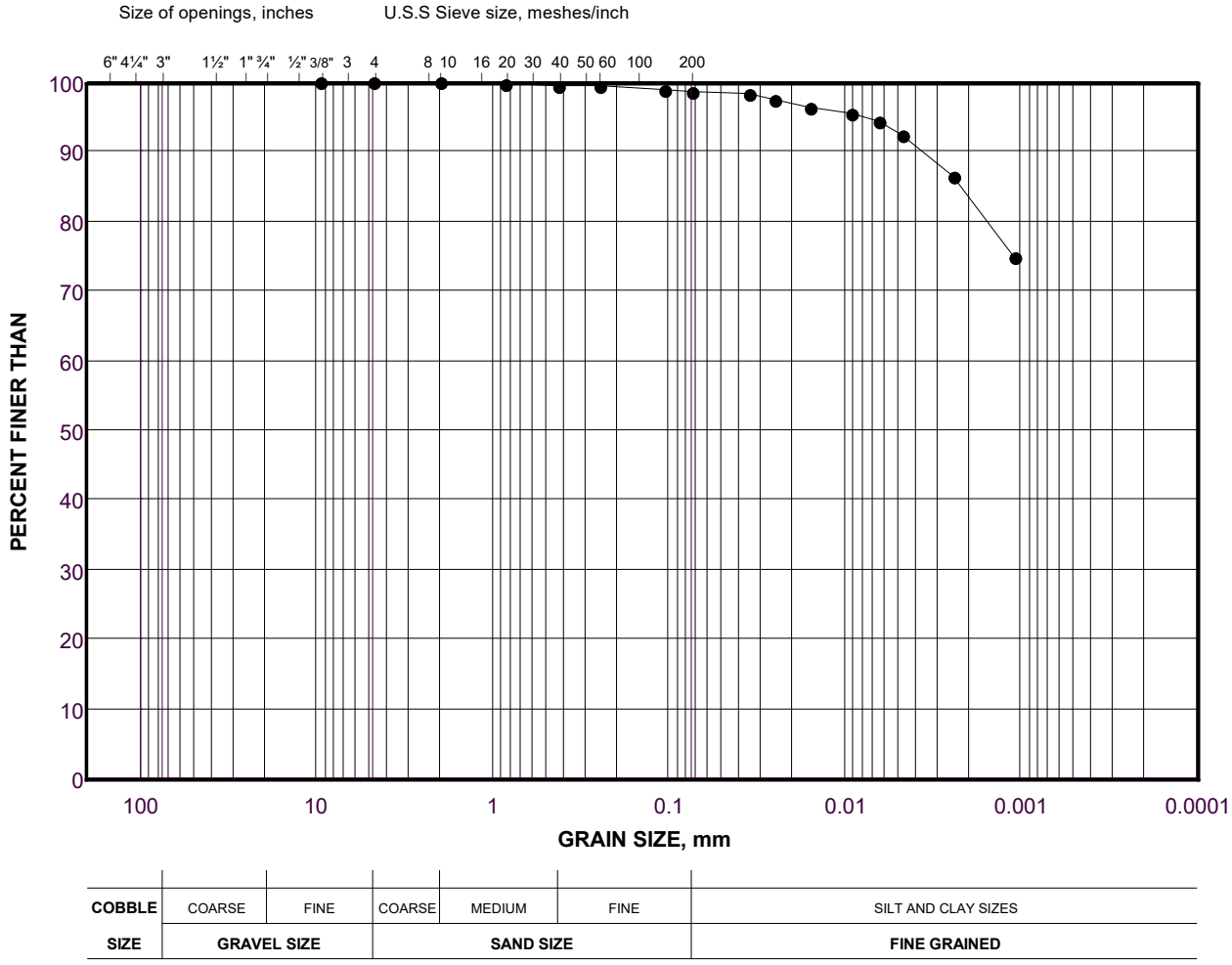
Checked By: LH

Golder Associates

Date: 12-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
•	LGS-BH-08	35240	11.59 - 12.20

Project Number: 21504835

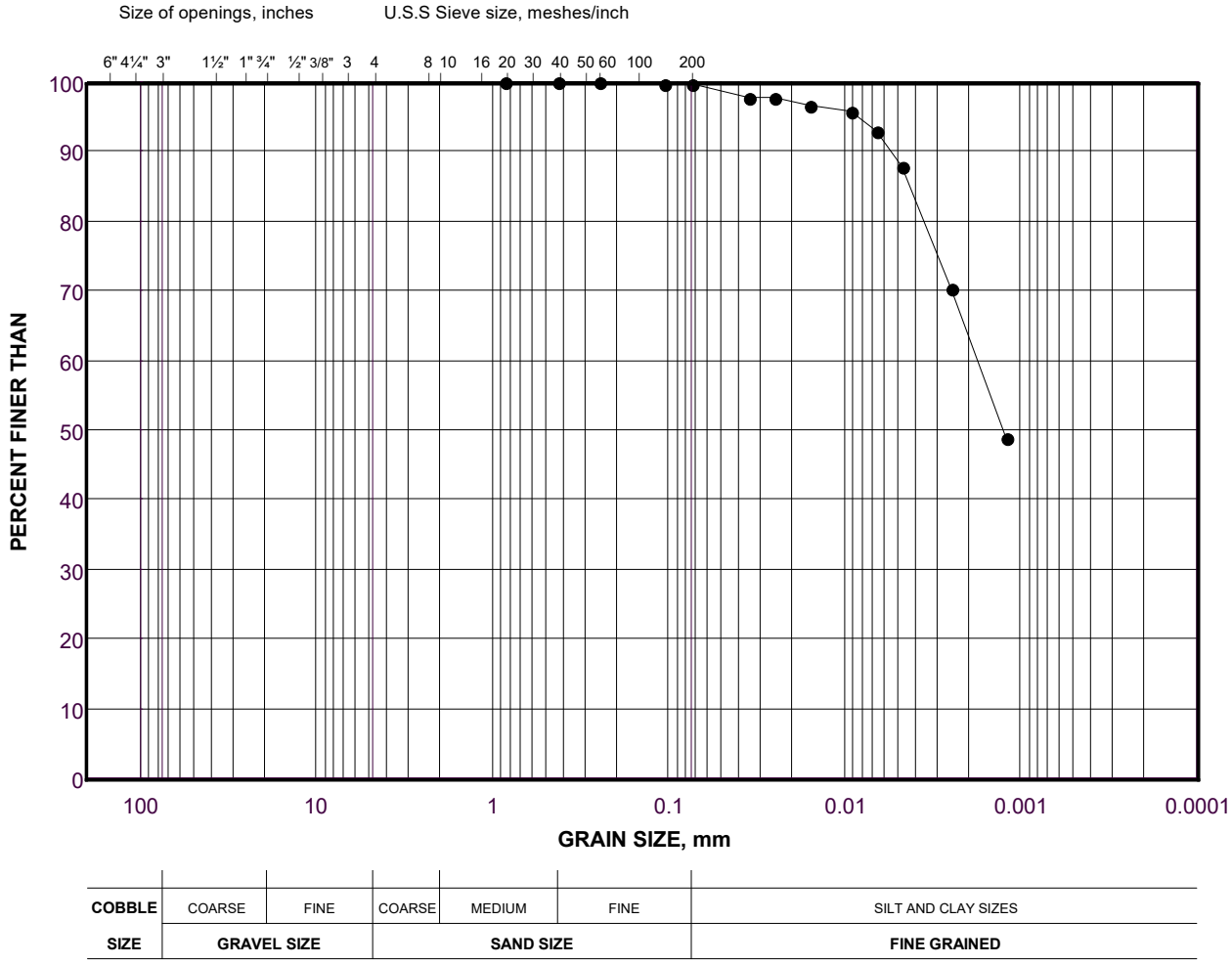
Checked By: LH

Golder Associates

Date: 09-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	LGS-BH-08	35243	17.68 - 18.29

Project Number: 21504835

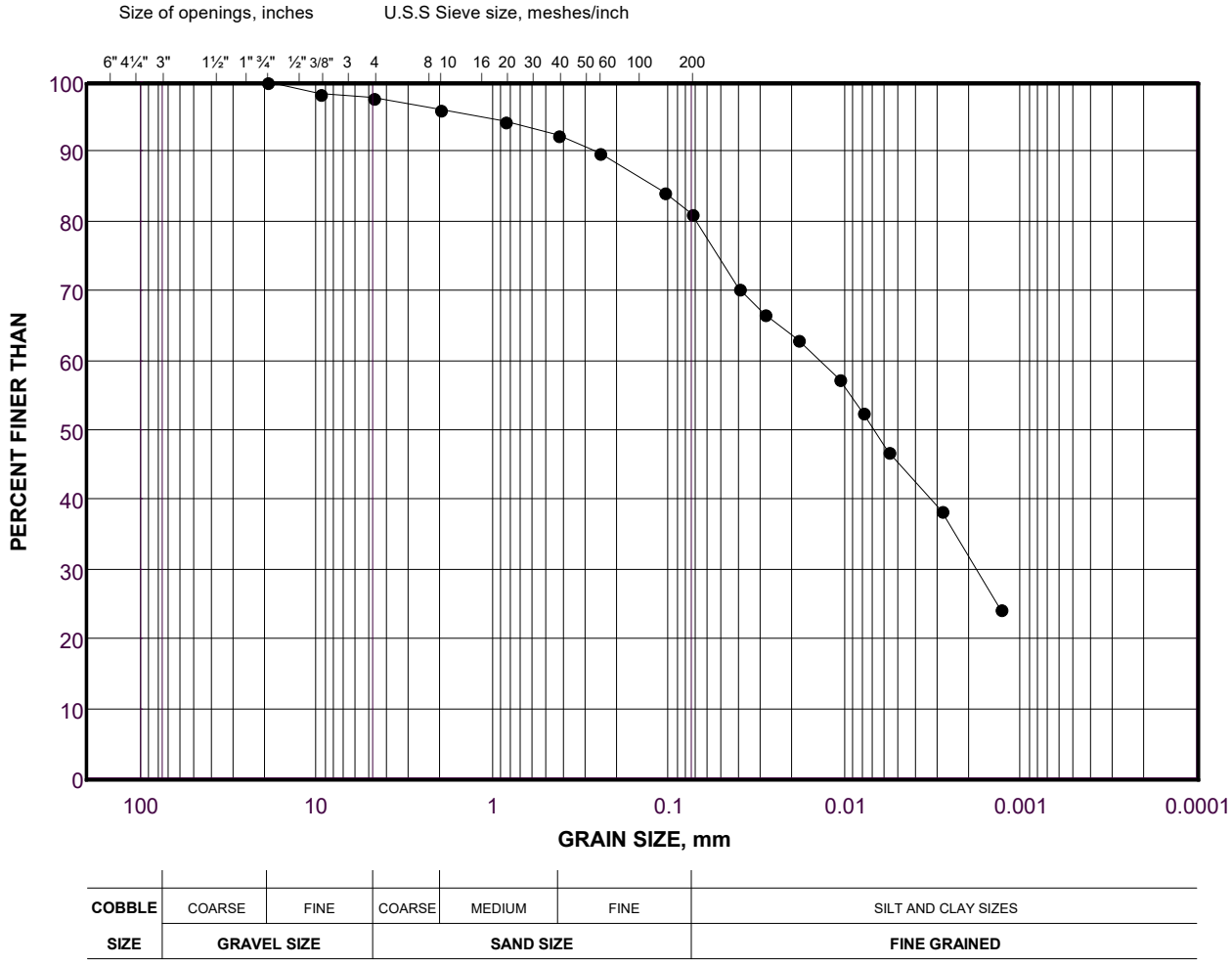
Checked By: LH

Golder Associates

Date: 12-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	OP-BD-10	35203	2.74 - 3.35

Project Number: 21504835

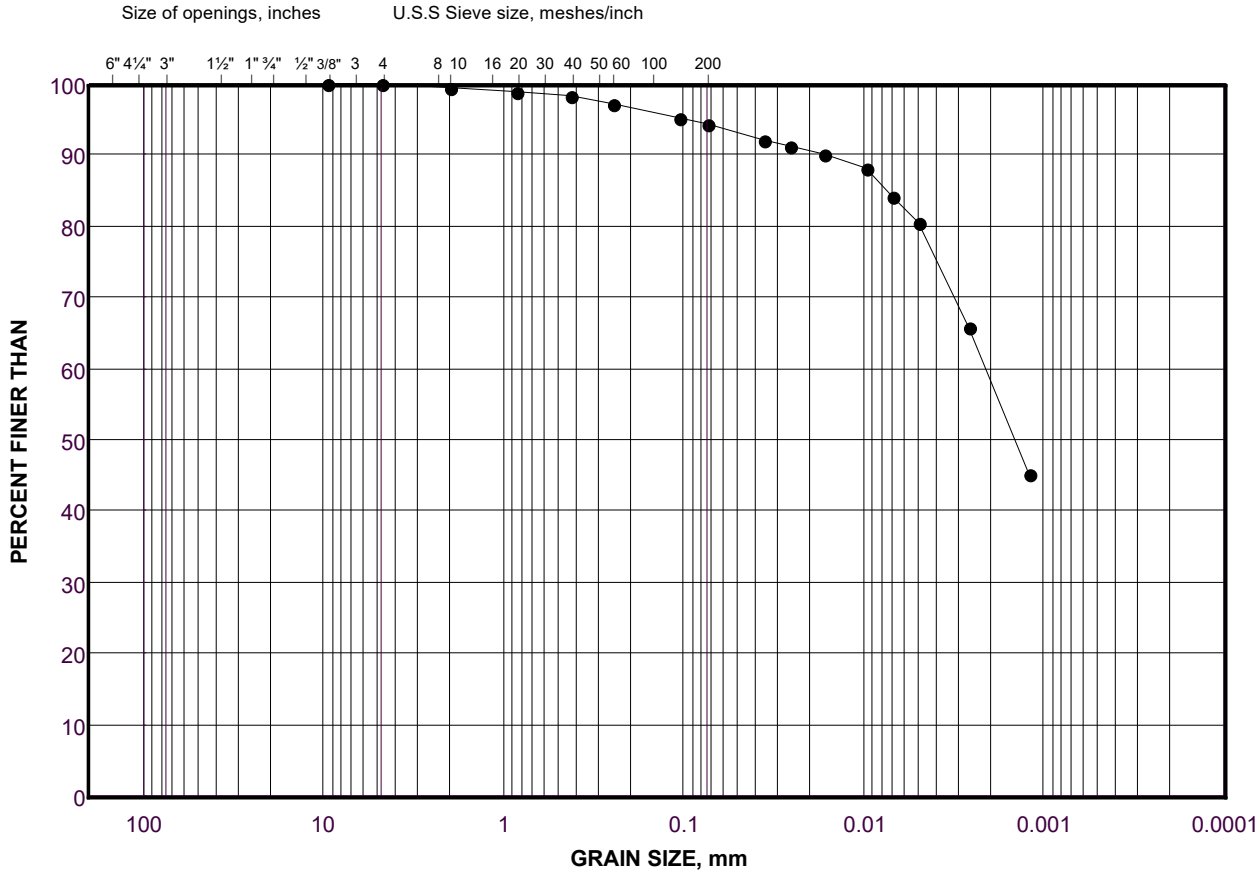
Checked By: LH

Golder Associates

Date: 12-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	OP-BH-02	167785	11.89 - 12.50

Project Number: 21504835

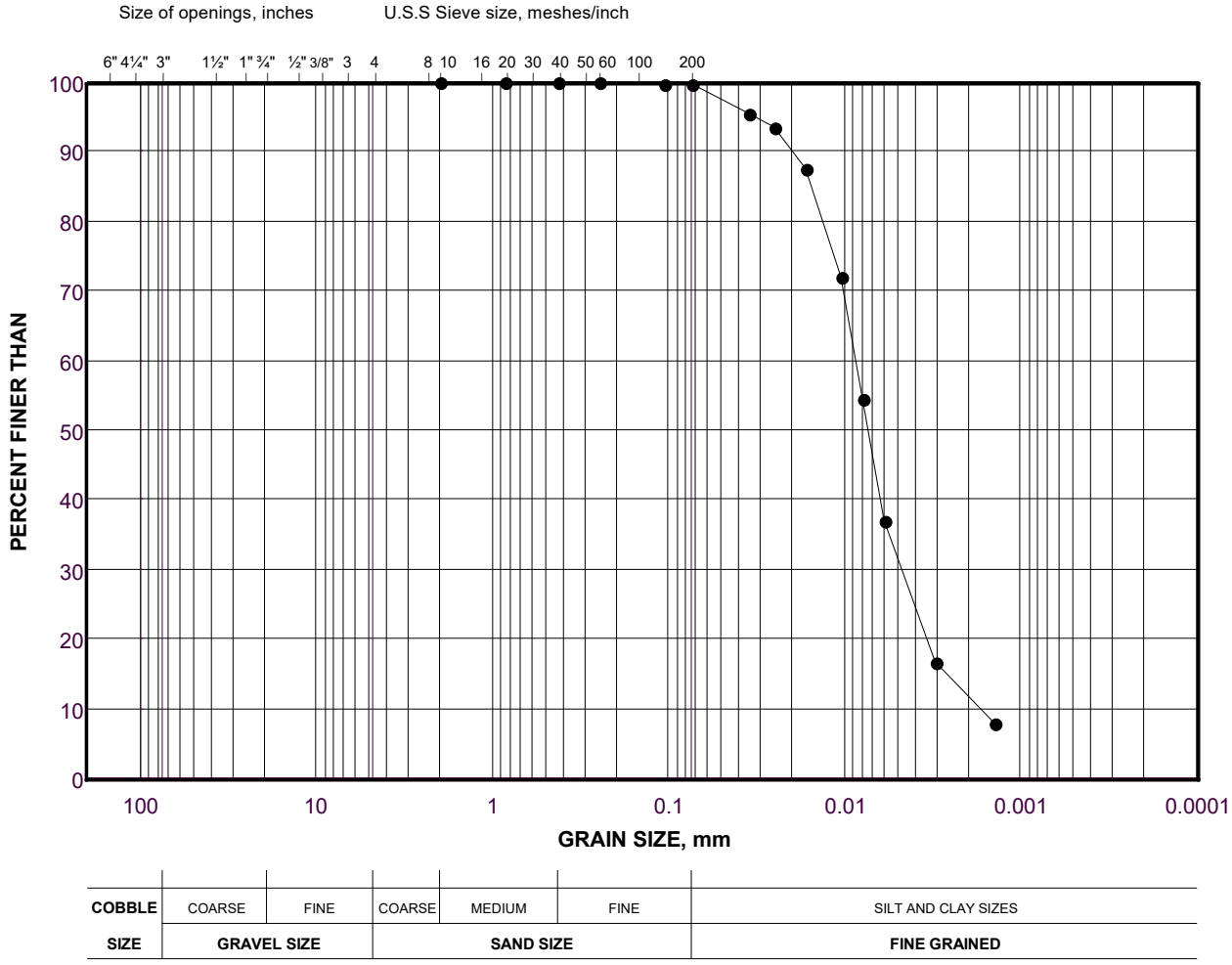
Checked By: LH

Golder Associates

Date: 26-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	OP-BH-04	35220	2.44 - 3.05

Project Number: 21504835

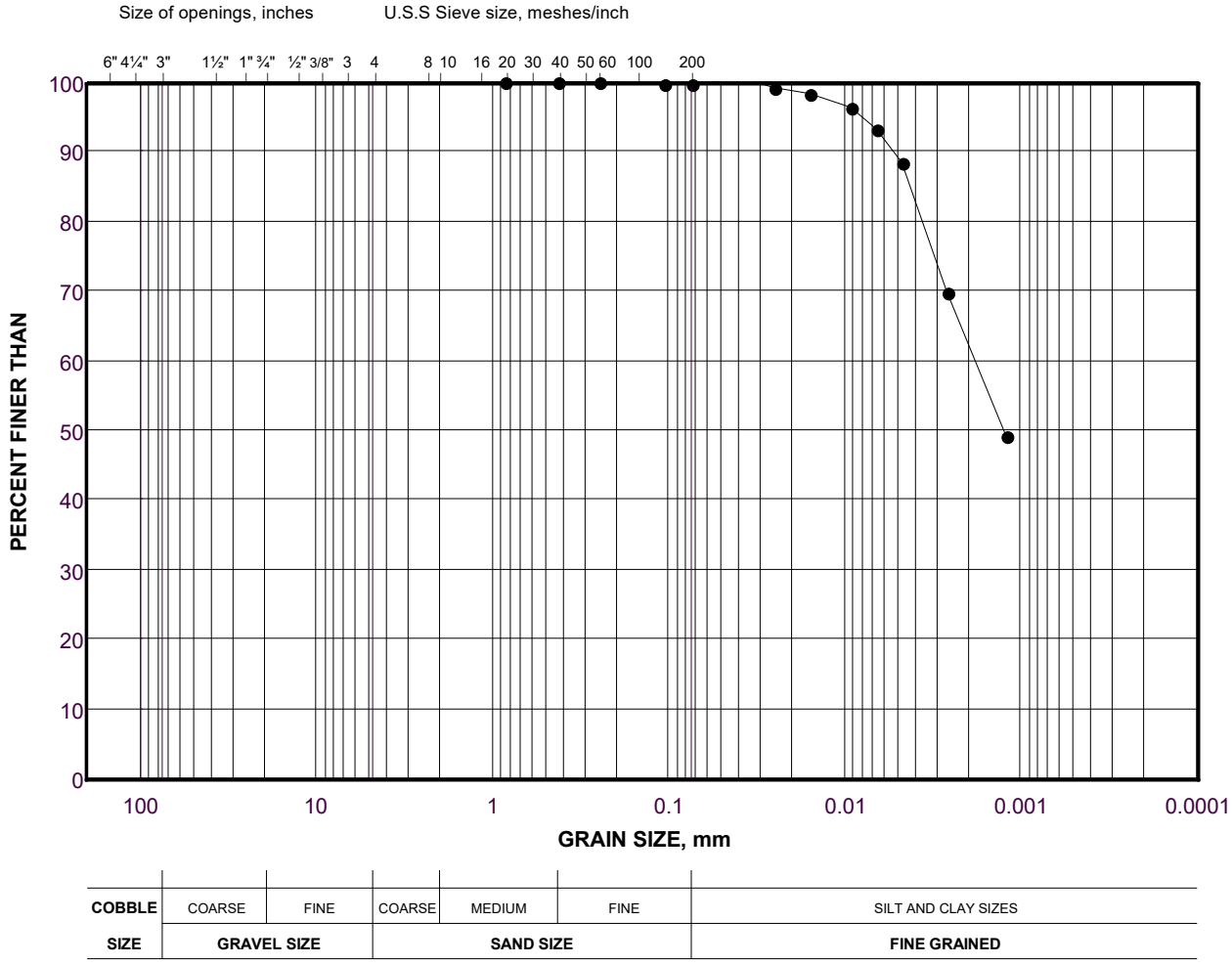
Checked By: LH

Golder Associates

Date: 12-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	PF-BH-02	58380	5.49 - 6.10

Project Number: 21504835

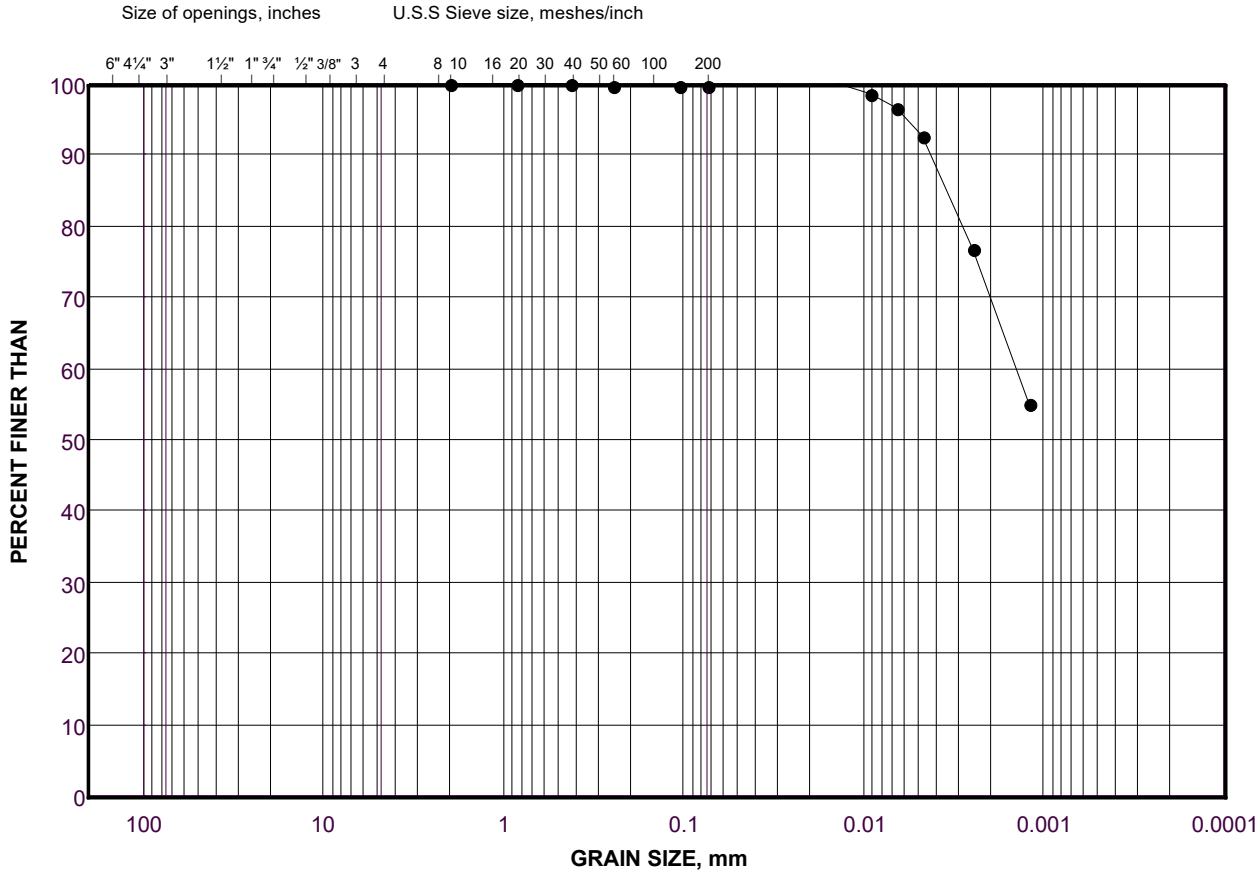
Checked By: LH

Golder Associates

Date: 26-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	PF-BH-03	167292	11.59 - 12.20

Project Number: 21504835

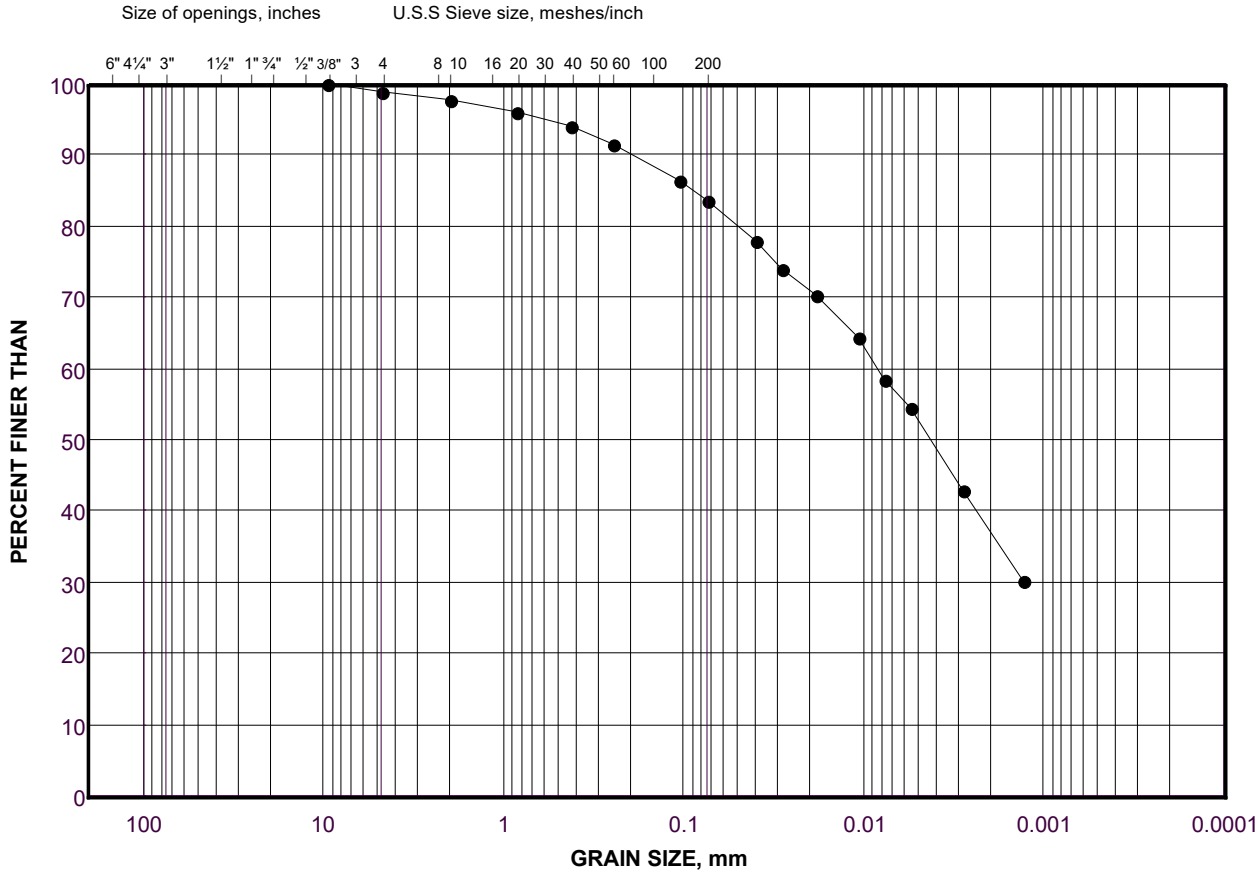
Checked By: LH

Golder Associates

Date: 26-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK22-OP-BH-06	167628	6.40 - 7.01

Project Number: 21504835

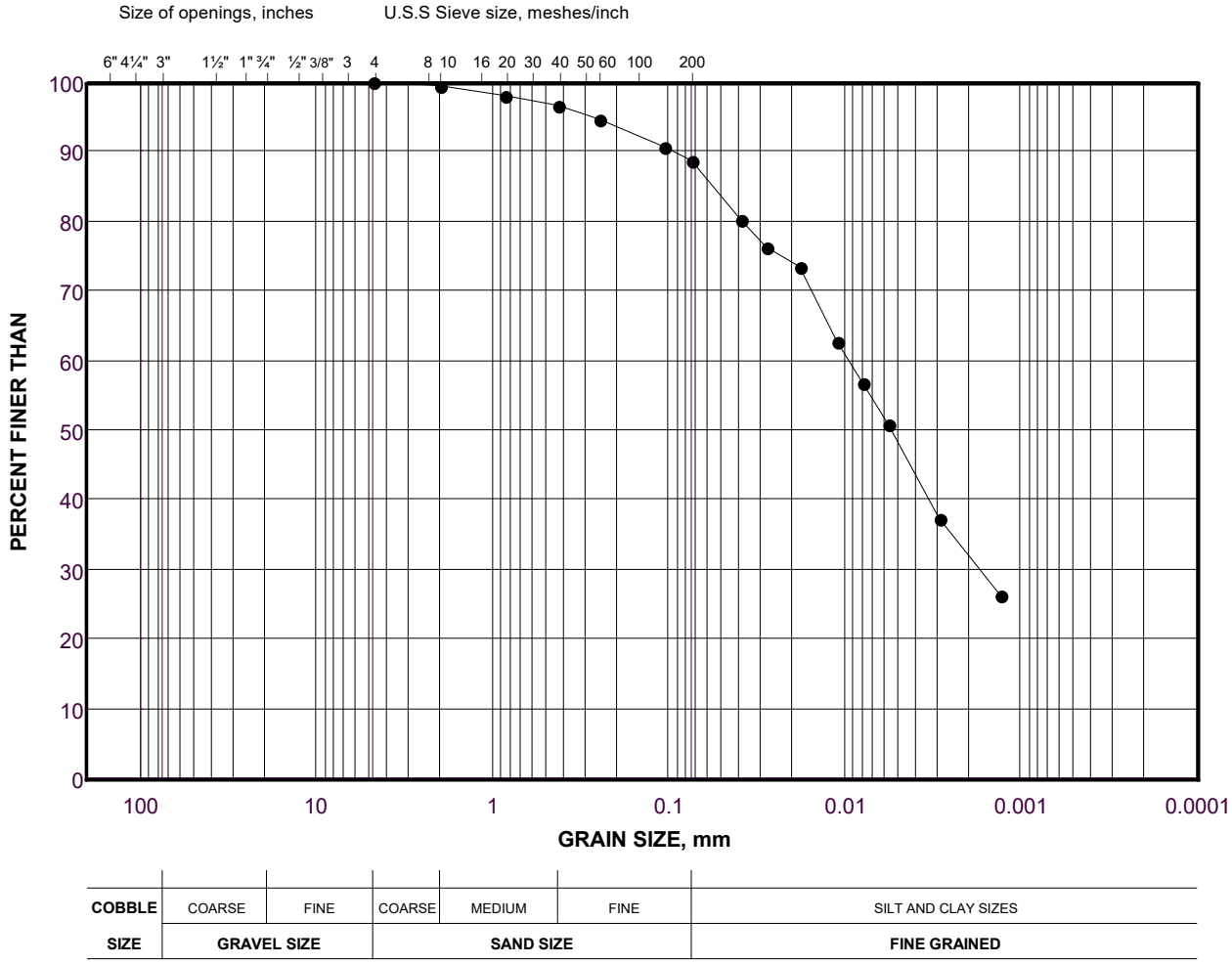
Checked By: LH

Golder Associates

Date: 30-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK22-OP-BH08	167718	2.13 - 2.74

Project Number: 21504835

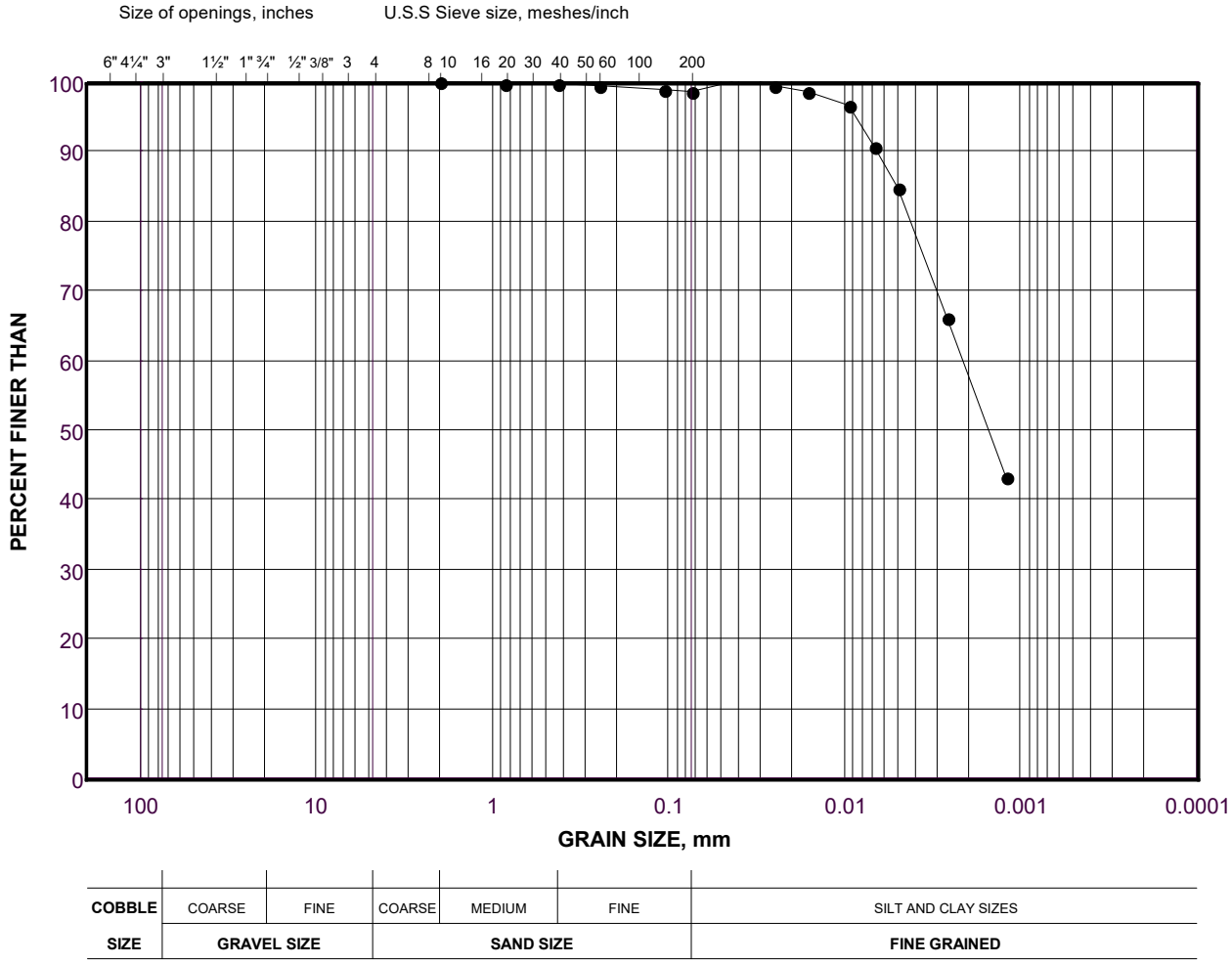
Checked By: LH

Golder Associates

Date: 26-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
•	SRK22-WOS-BH-01	167394	17.38 - 17.99

Project Number: 21504835

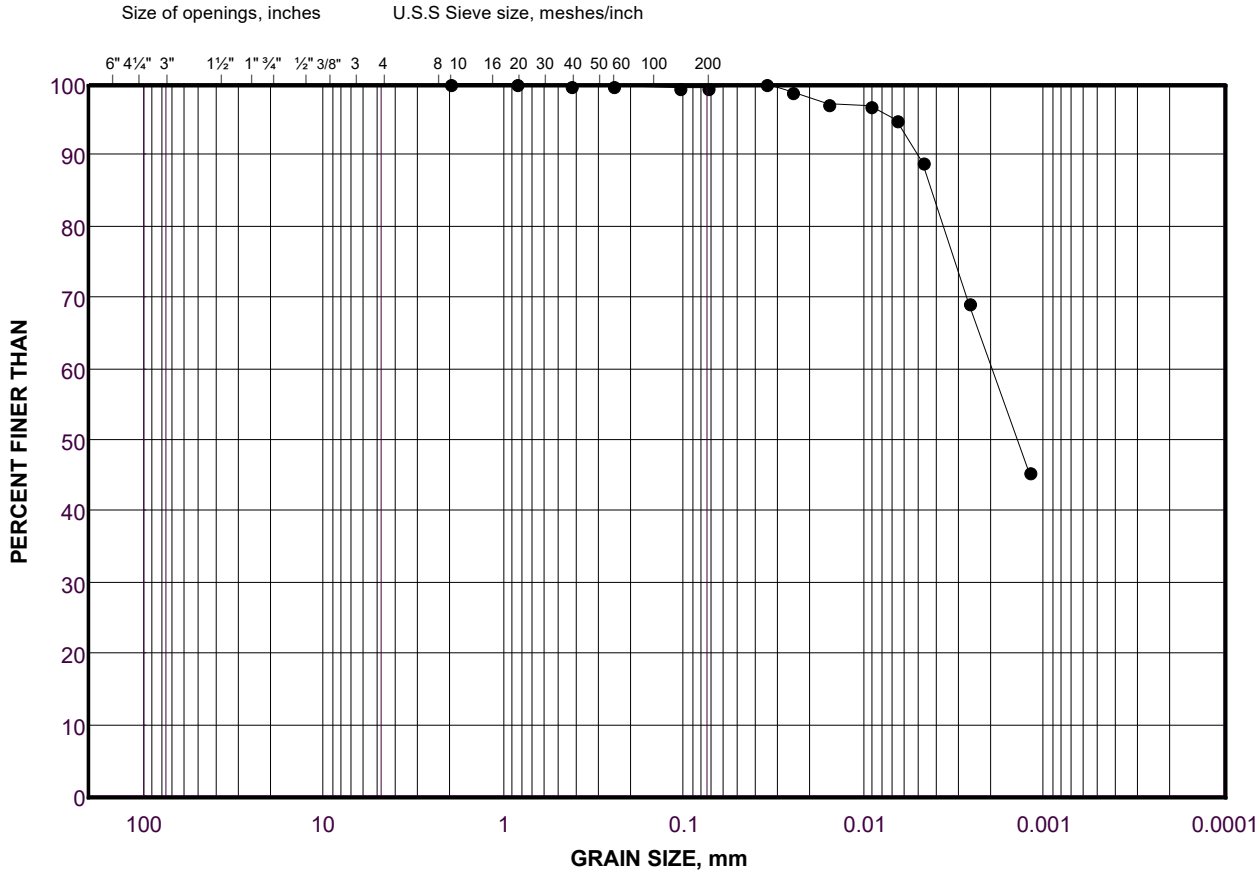
Checked By: LH

Golder Associates

Date: 30-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	WOS-BH-01	167352	11.28 - 11.89

Project Number: 21504835

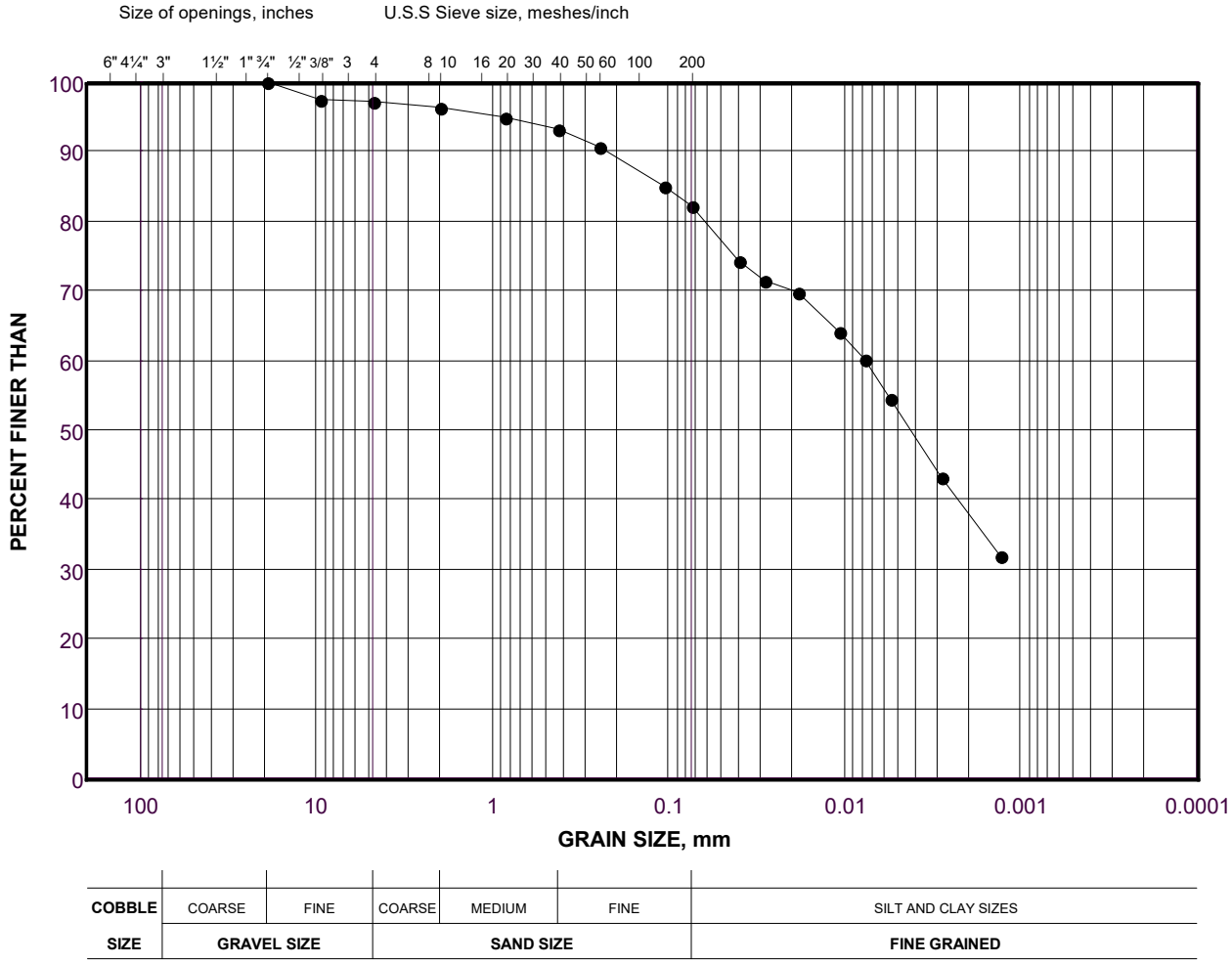
Checked By: LH

Golder Associates

Date: 09-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	WOS-BH-01	167390	2.13 - 2.74

Project Number: 21504835

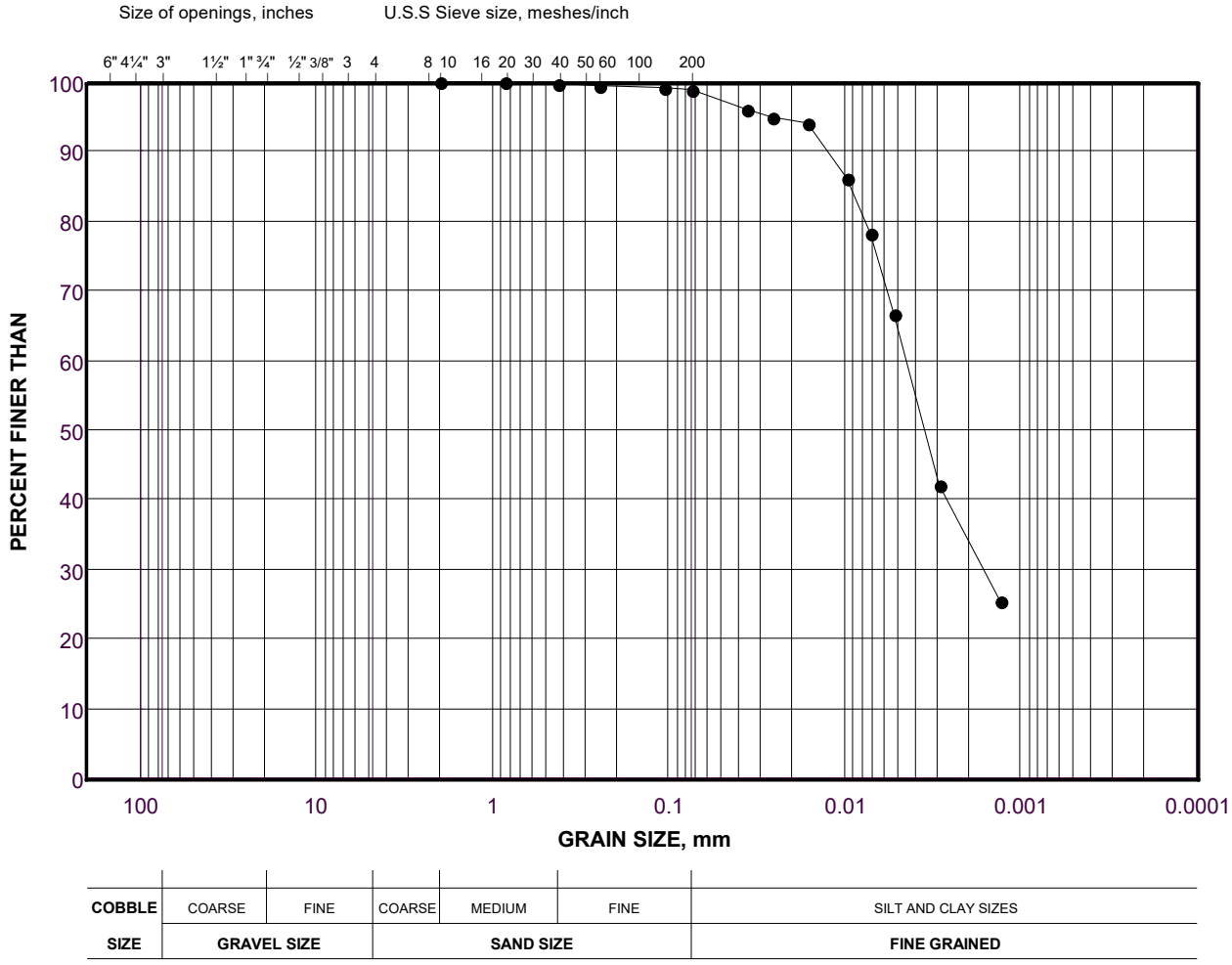
Checked By: LH

Golder Associates

Date: 26-May-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	21-OP-BD-03	36193	

Project Number: 21504835

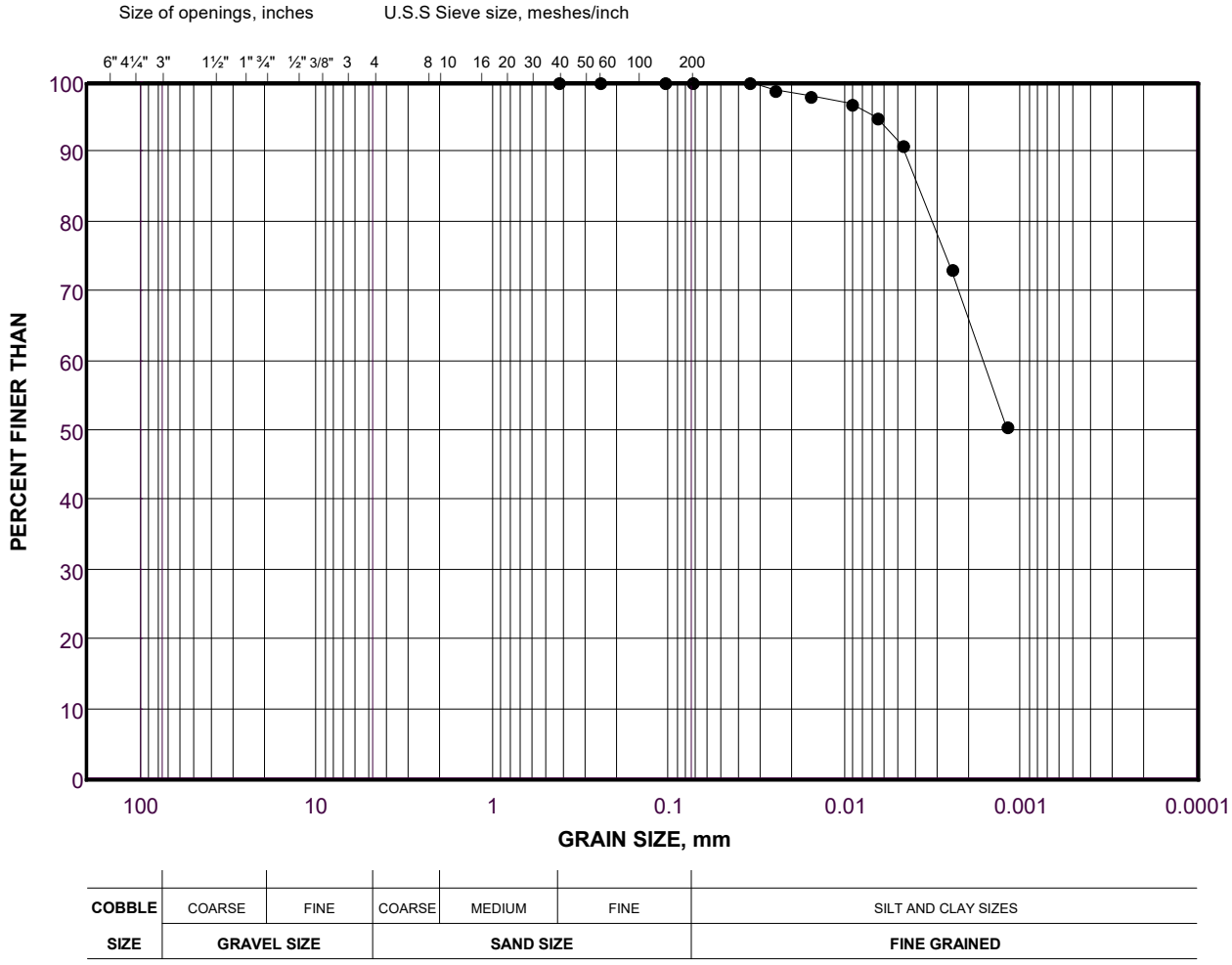
Checked By: LH

Golder Associates

Date: 13-Apr-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	BH07	58312	12.80 - 13.41

Project Number: 21473972

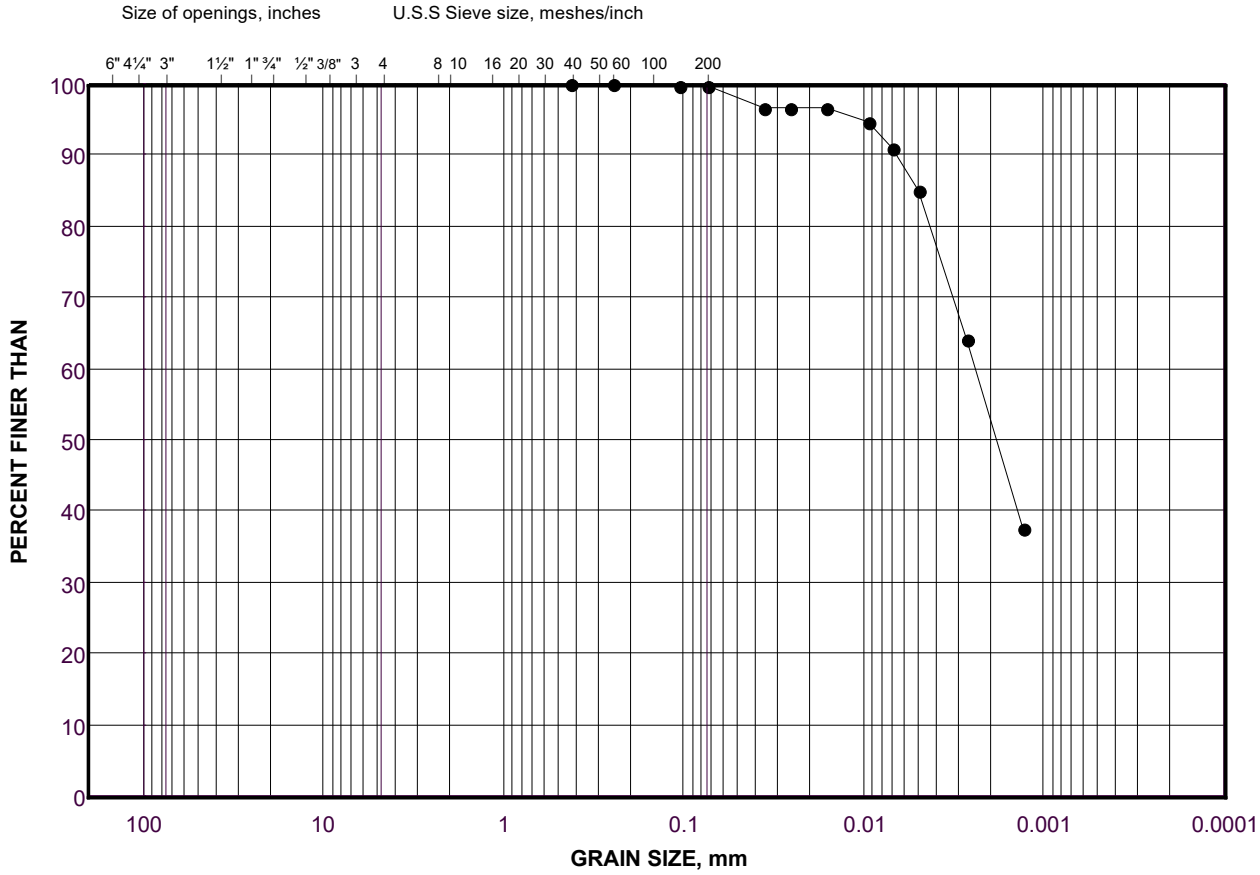
Checked By: _____

Golder Associates

Date: 13-Apr-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-TSF-BH09	58292	11.59 - 12.20

Project Number: 21473972

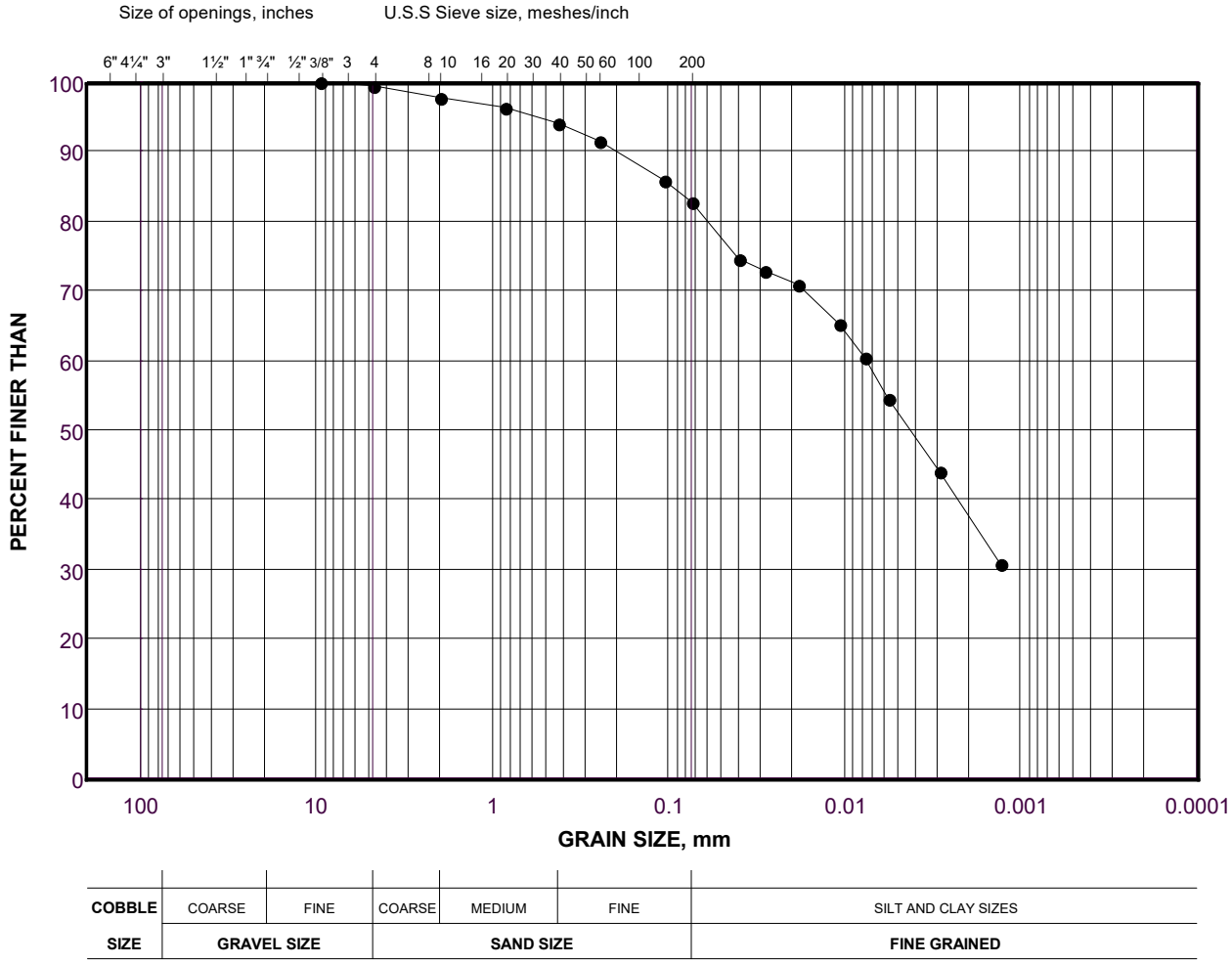
Checked By: _____

Golder Associates

Date: 18-Apr-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-TSF-BH10	58491	7.93 - 8.54

Project Number: 21473972

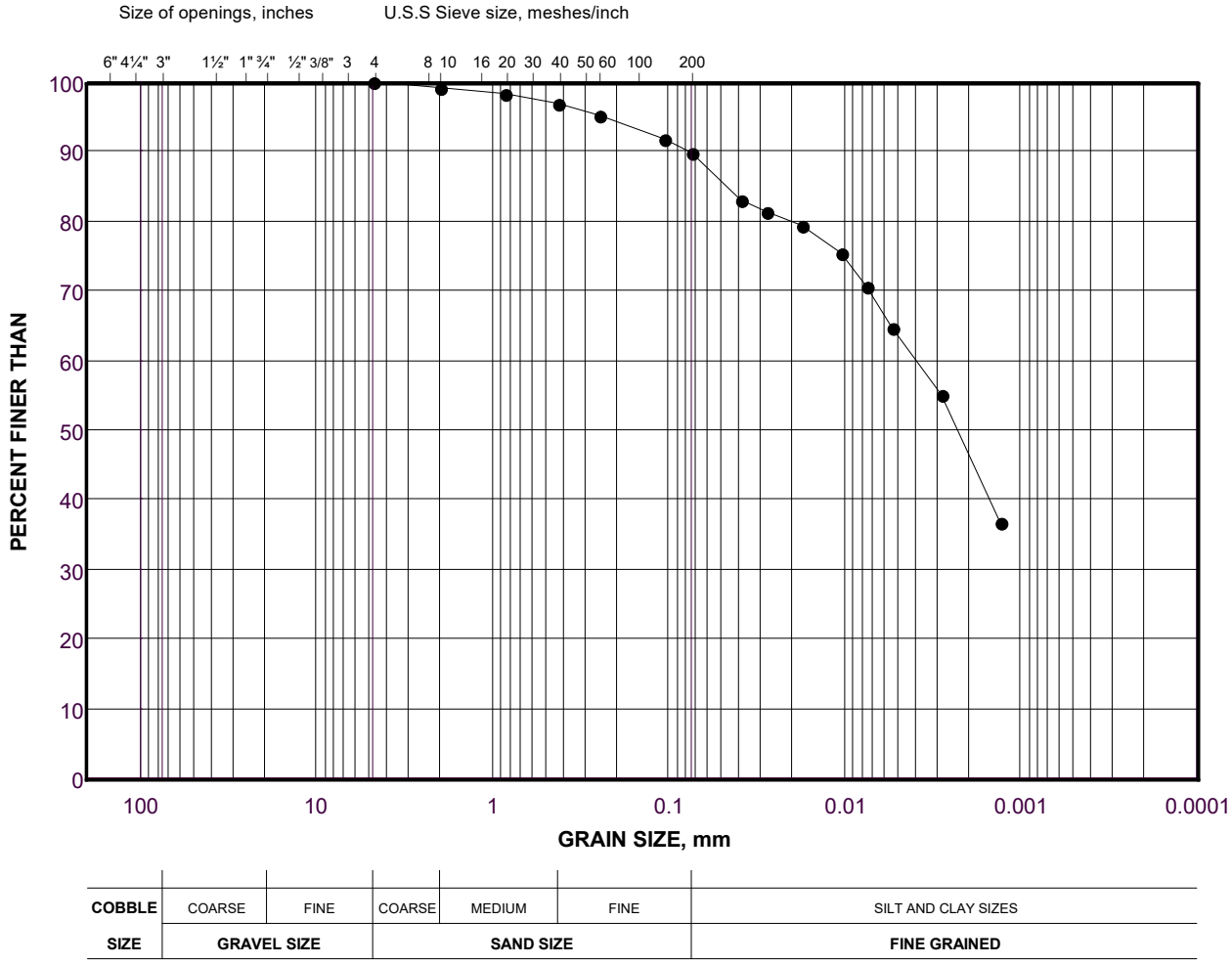
Checked By: _____

Golder Associates

Date: 18-Apr-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-TSF-BH18	58385	3.96 - 4.57

Project Number: 21473972

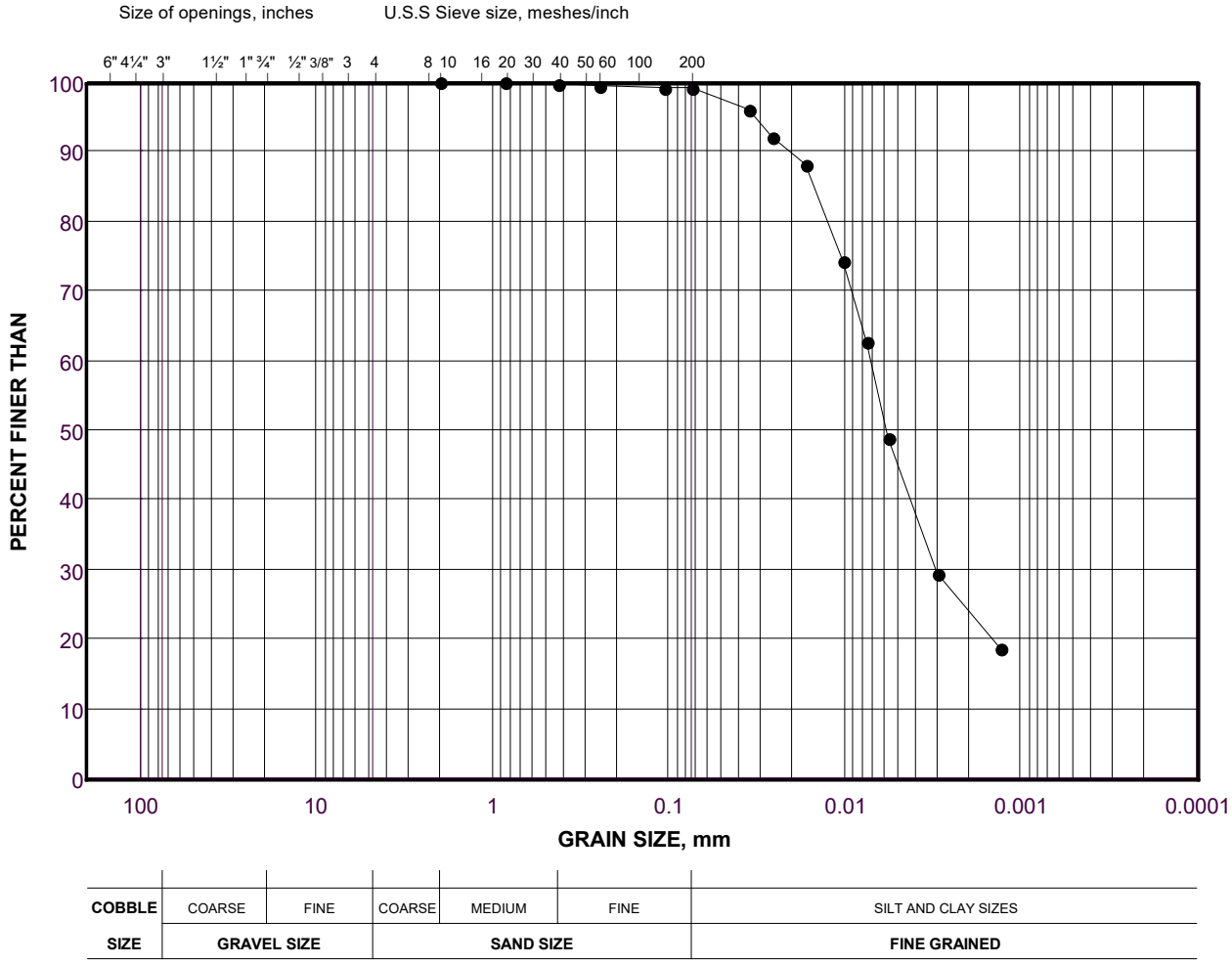
Checked By: _____

Golder Associates

Date: 18-Apr-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-LG-BH04	167506	11.58 - 12.19

Project Number: 21504835 (2000)

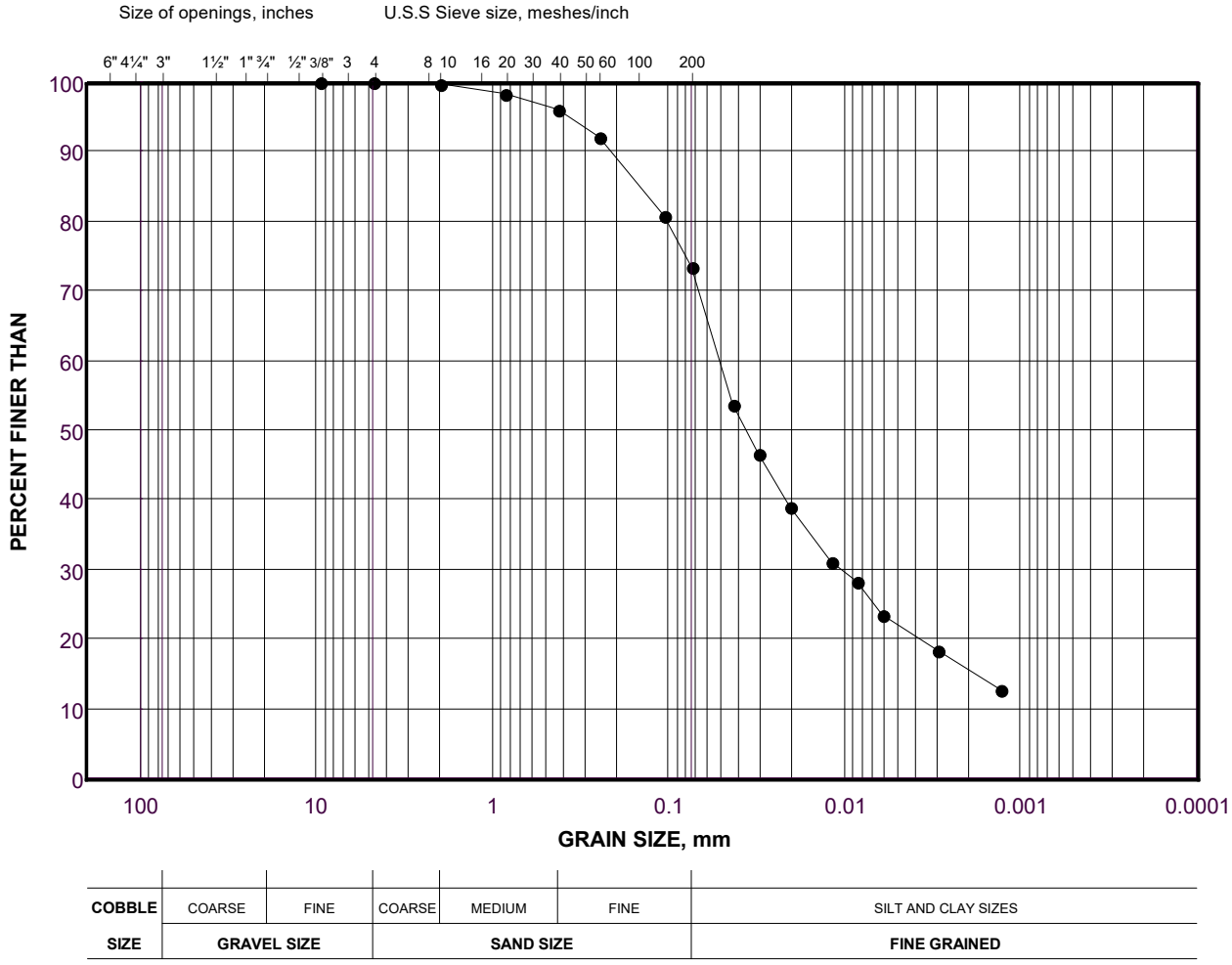
Checked By: AH

Golder Associates

Date: 15-Aug-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-LGS-BH01	167804	22.25 - 22.56

Project Number: 21504835 (2000)

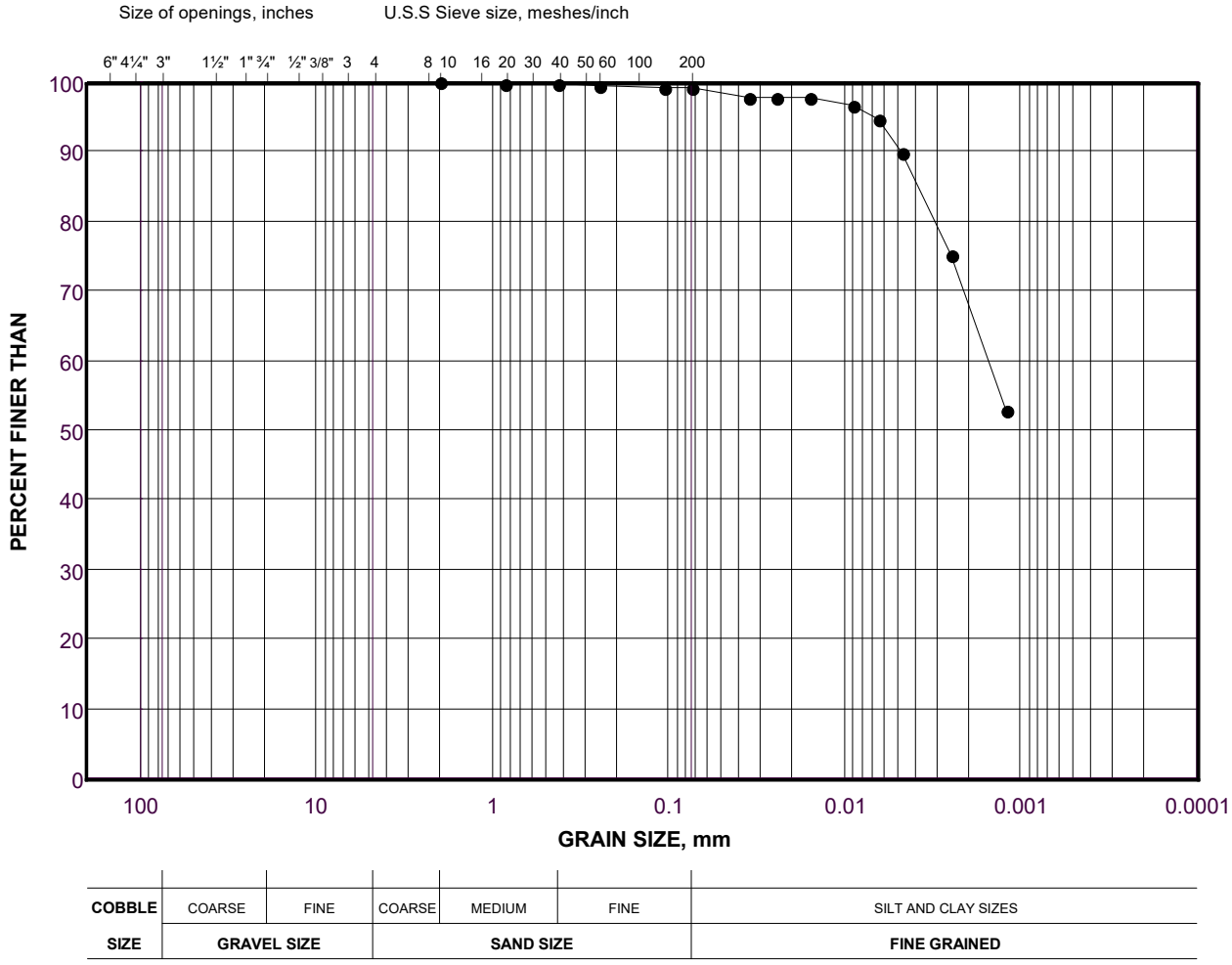
Checked By: AH

Golder Associates

Date: 15-Aug-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-NWR-BH07	35252	11.58 - 12.19

Project Number: 21504835 (2000)

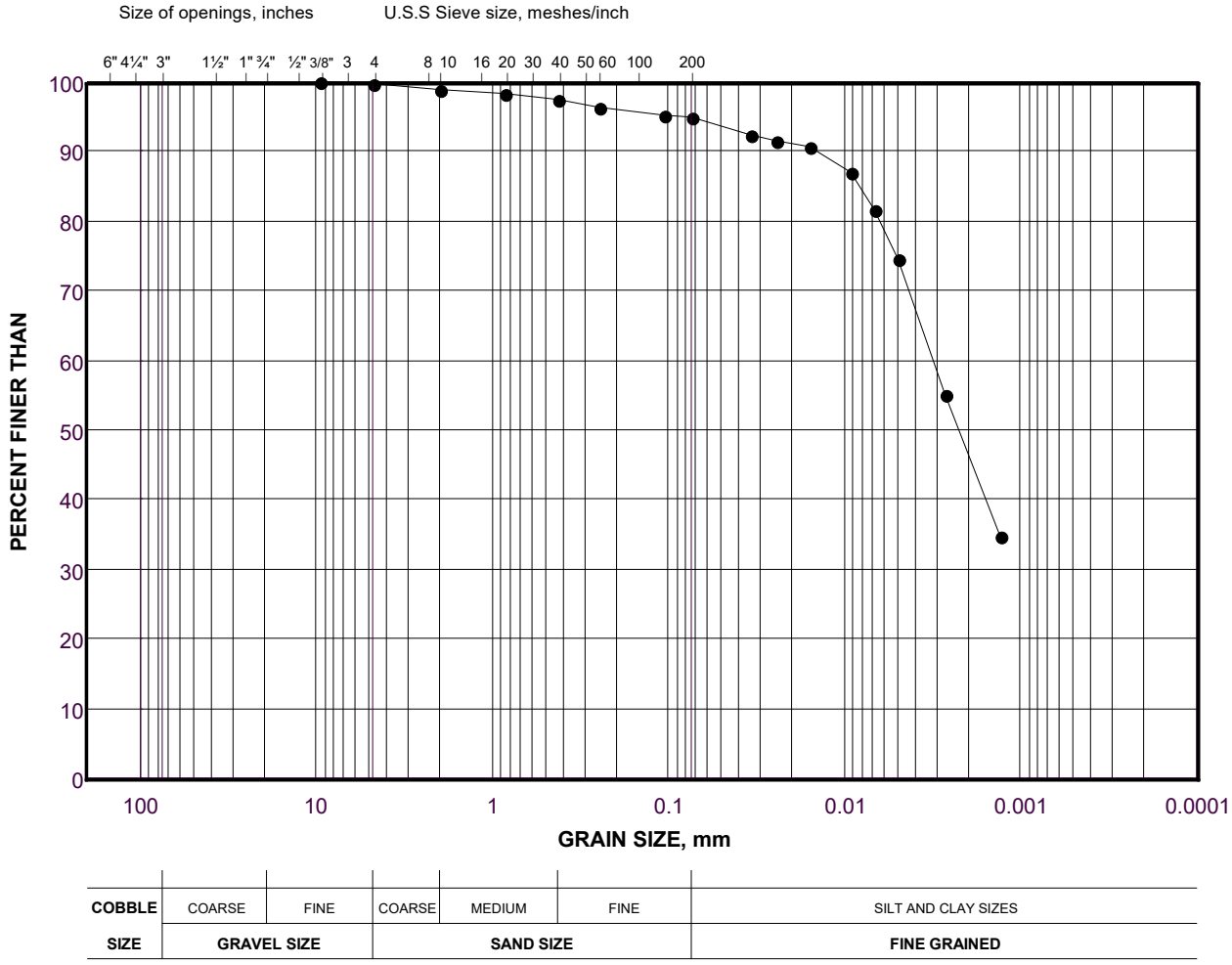
Checked By: AH

Golder Associates

Date: 16-Aug-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE
•	SRK21-NWR-BH07	35255

Project Number: 21504835 (2000)

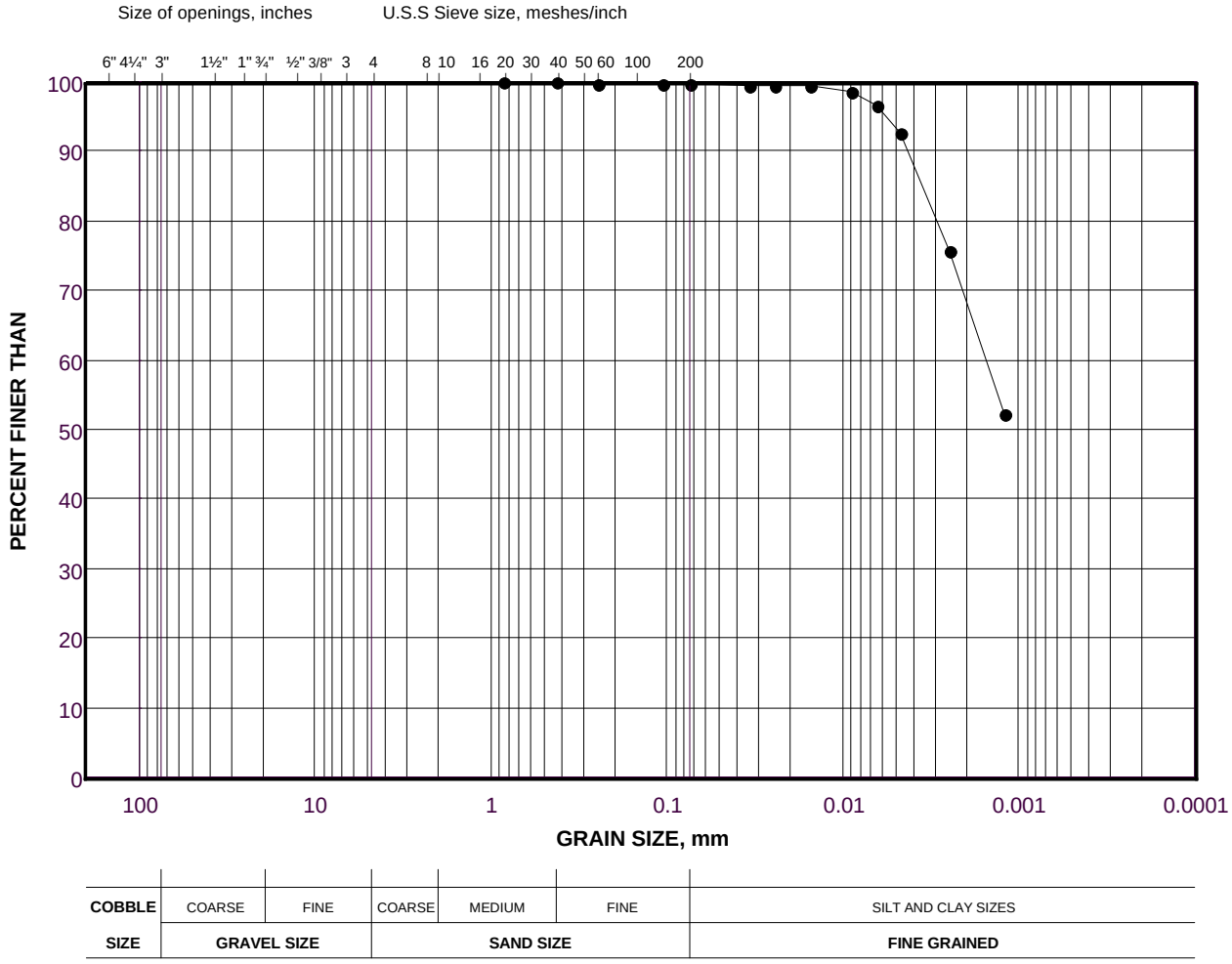
Checked By: AH

Golder Associates

Date: 16-Aug-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK22-LG-BH05	167274	11.28 - 11.89

Project Number: 21504835 (2000)

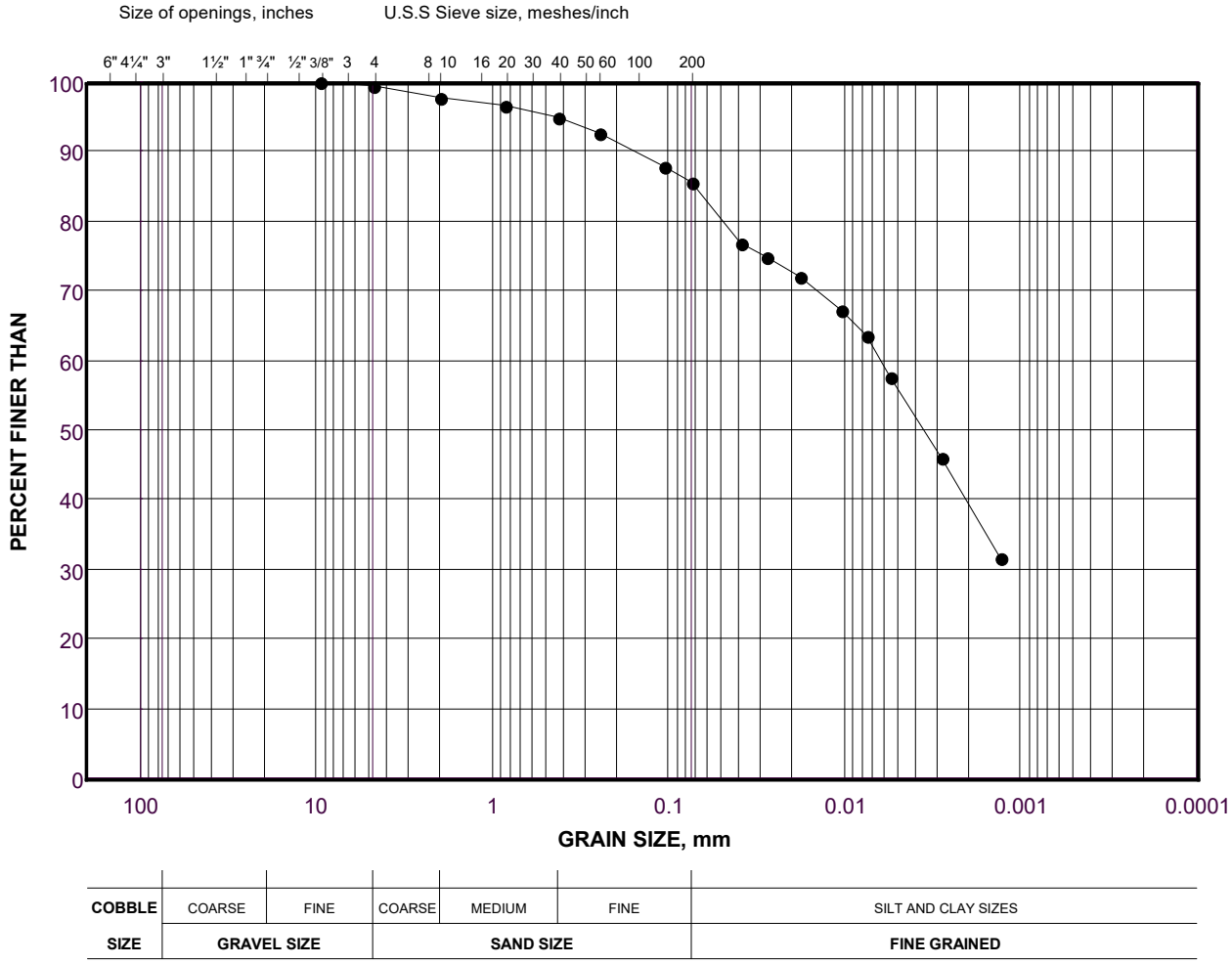
Checked By: AH

Golder Associates

Date: 23-Aug-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●		SRK-21-TSF-BH19	7.62 - 8.23

Project Number: 21473972

Checked By: _____

Golder Associates

Date: 02-Jun-22

GOLDER

SUMMARY OF WATER CONTENT [1] / ATTERBERG LIMITS[2] DETERMINATIONS

[1]ASTM D2216 / [2]ASTM D4318

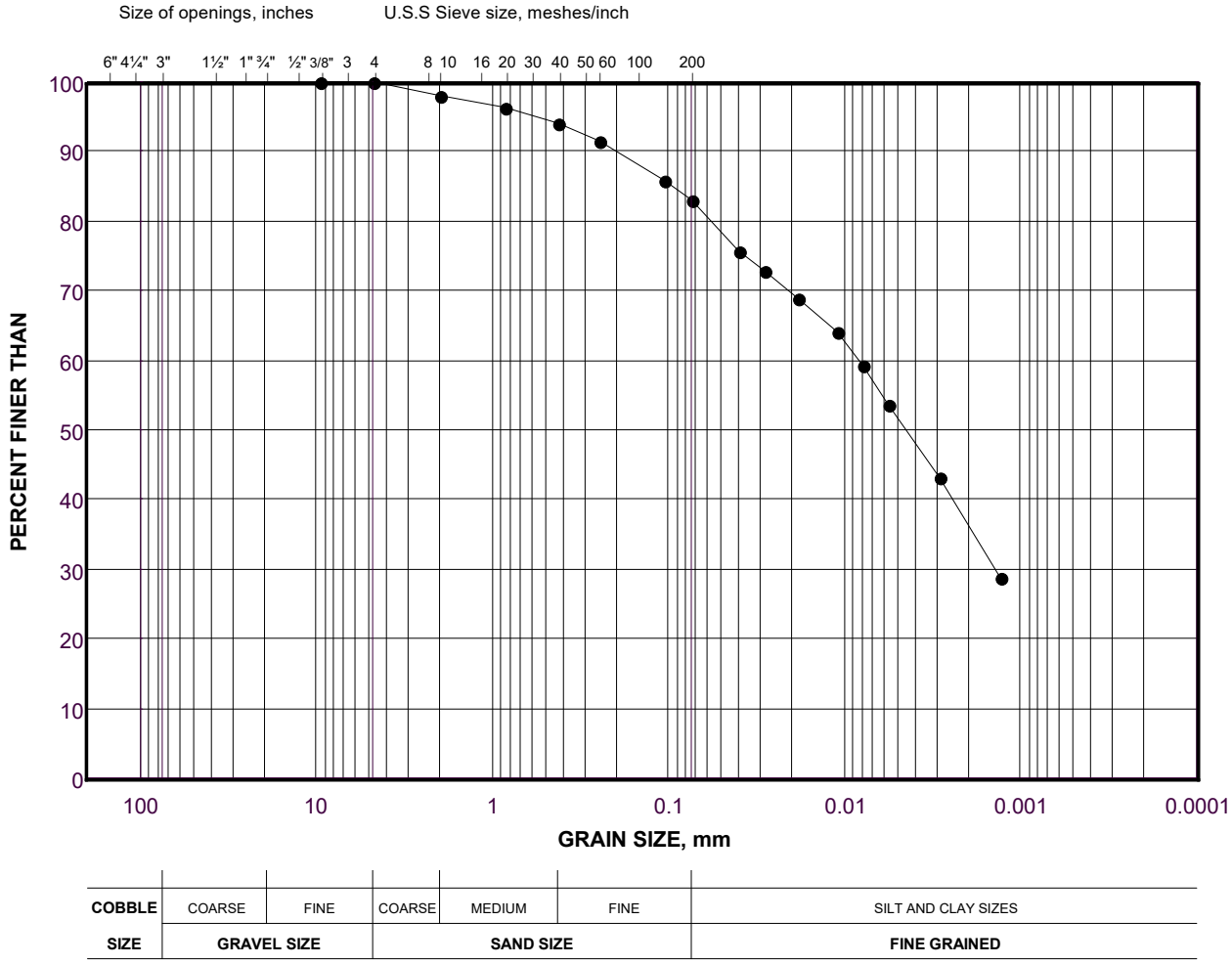
PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE	February, 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Water Content (%)	Atterberg Limits		
					LL	PL	PI
SRK21-OP-BD-01	58459	-	8.5-9.1	24.0	27.9	14.3	13.6
SRK21-OP-BH-09	26204	-	18.0-18.6	36.3	34.4	19.9	14.5

Checked By:LH

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-OP-BD-01	58459	8.50 - 9.10

Project Number: 21504835

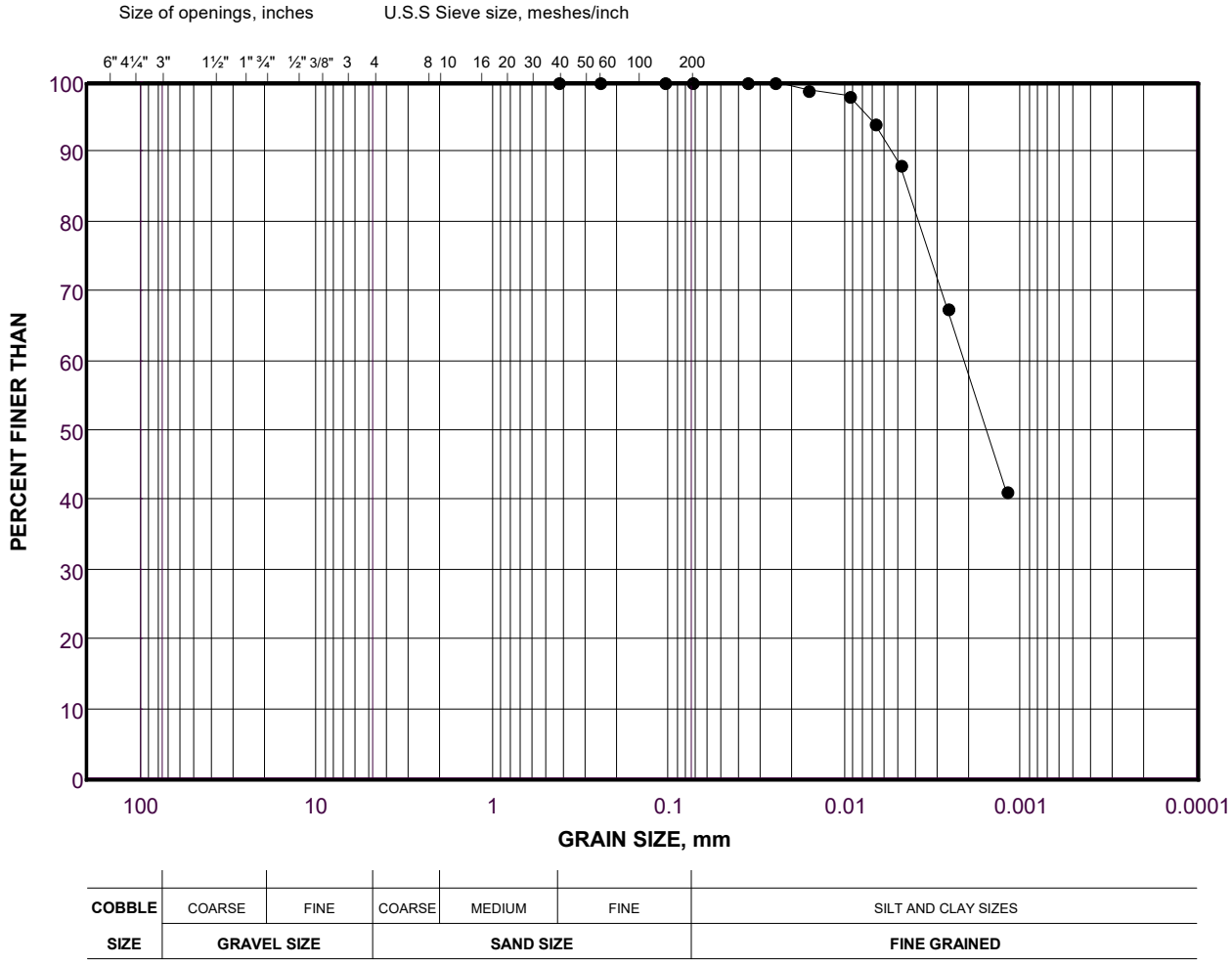
Checked By: LH

Golder Associates

Date: 24-Feb-22

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

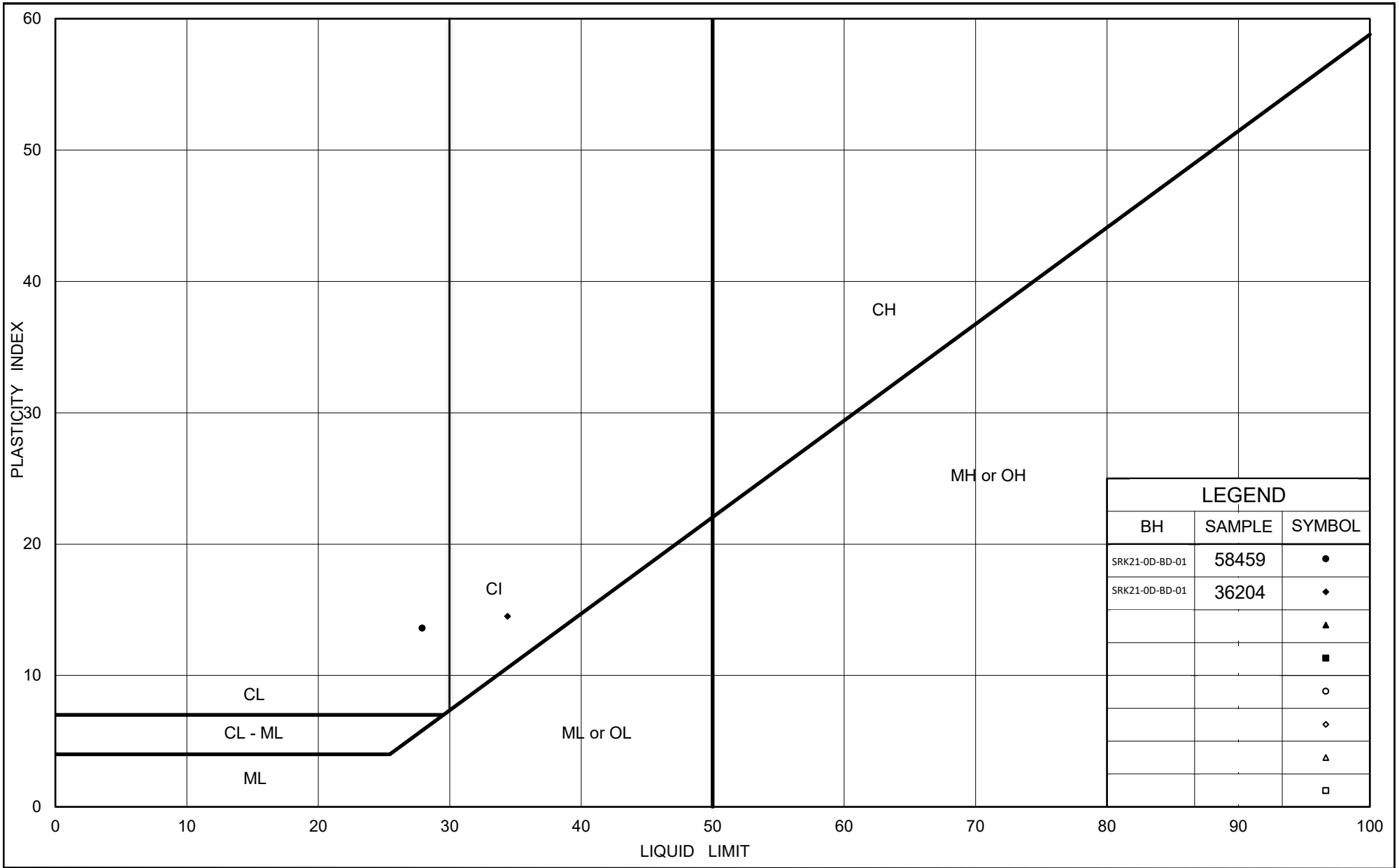
SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-OD-BH-09	36204	18.0 - 18.60

Project Number: 21504835

Checked By: LH

Golder Associates

Date: 24-Feb-22



GOLDER

PLASTICITY CHART

Figure No.

Project No. 21504835

Checked By: LH

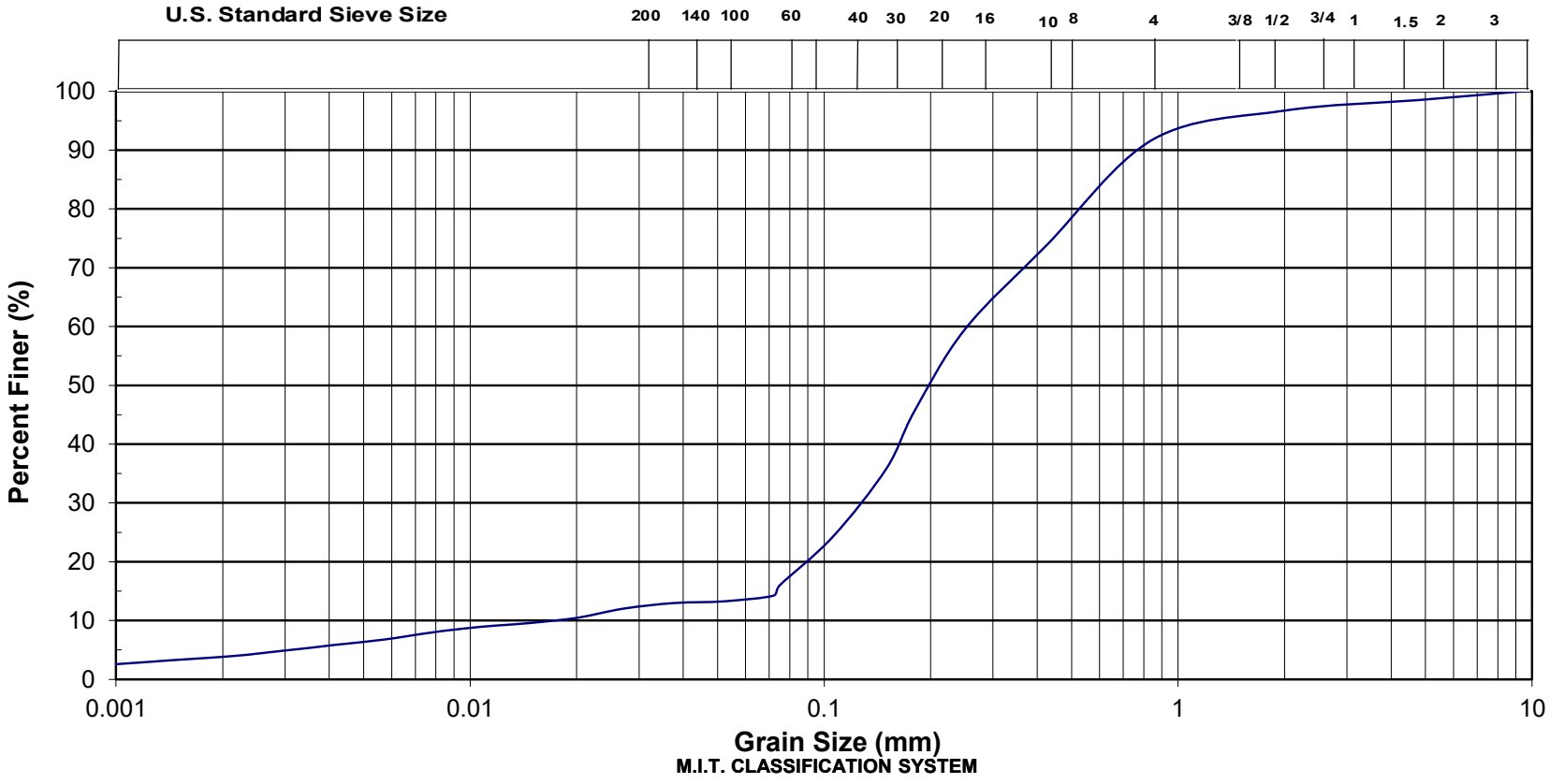
GRAIN SIZE DISTRIBUTION

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE	
LOCATION	
BOREHOLE NO.	DEPTH
SAMPLE NO.	TESTED BY

Combined gradation



M.I.T. CLASSIFICATION SYSTEM

CLAY	SILT	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
		SAND			GRAVEL		

CLAY AND SILT	FINE	MEDIUM	COARSE	FINE	COARSE
	SAND			GRAVEL	

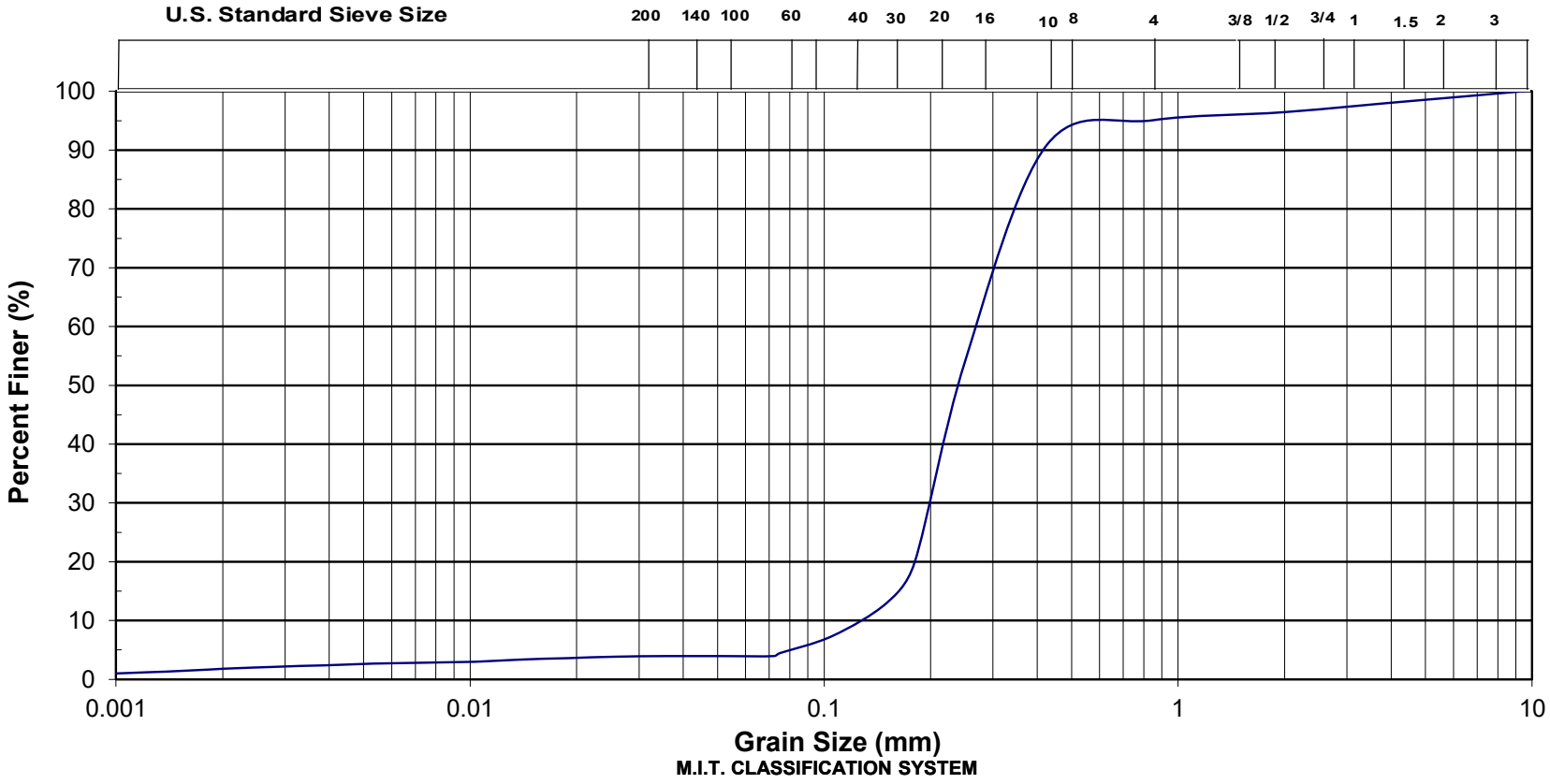
GRAIN SIZE DISTRIBUTION

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE	
LOCATION	
BOREHOLE NO.	DEPTH
SAMPLE NO.	TESTED BY

Combined gradation



M.I.T. CLASSIFICATION SYSTEM

CLAY	SILT	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
		SAND			GRAVEL		

CLAY AND SILT	FINE	MEDIUM	COARSE	FINE	COARSE
	SAND			GRAVEL	

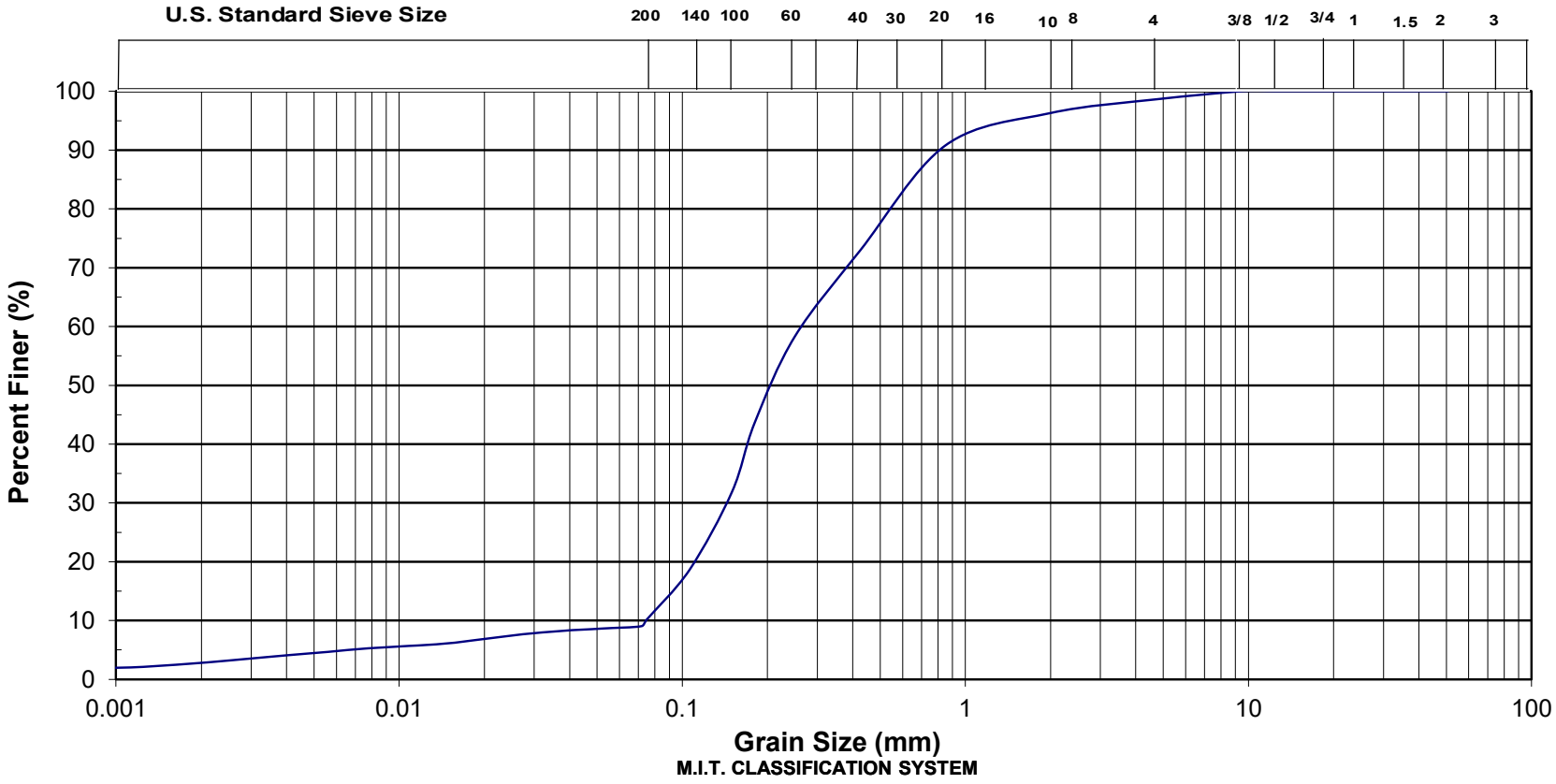
GRAIN SIZE DISTRIBUTION

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE	
LOCATION	
BOREHOLE NO.	DEPTH
SAMPLE NO.	TESTED BY

Combined gradation



M.I.T. CLASSIFICATION SYSTEM

CLAY	SILT	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
		SAND			GRAVEL		

CLAY AND SILT	FINE	MEDIUM	COARSE	FINE	COARSE
	SAND			GRAVEL	

MOISTURE CONTENT TEST

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE May 17 2022

LOCATION 58266

TESTED BY Hamed Behzadipour

CONTAINER NO.	Trial 1	Trial 2	Trial 3	Trial 4
BOREHOLE NO.	58266	58266	58266	
SAMPLE NO.	1	2	3	
MASS CONT. + WET SOIL	722.8	274	423.2	
MASS CONT. + DRY SOIL	603.1	253	363.6	
MASS WATER	119.7	21	59.6	
MASS CONTAINER	175	174.73	174.72	
MASS DRY SOIL	428.1	78.27	188.88	
WATER CONTENT	28%	27%	31%	

CONTAINER NO.				
BOREHOLE NO.				
SAMPLE NO.				
MASS CONT. + WET SOIL				
MASS CONT. + DRY SOIL				
MASS WATER				
MASS CONTAINER				
MASS DRY SOIL				
WATER CONTENT				

MOISTURE CONTENT TEST

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE May 17 2022

LOCATION

TESTED BY Hamed Behzadipour

CONTAINER NO.	Trial 1	Trial 2	Trial 3	Trial 4
BOREHOLE NO.	58289	58289	58289	
SAMPLE NO.	1	2	3	
MASS CONT. + WET SOIL	817.51	112.45	339	
MASS CONT. + DRY SOIL	716.9	90.71	310.83	
MASS WATER	100.61	21.74	28.17	
MASS CONTAINER	307	1.31	198.95	
MASS DRY SOIL	409.9	89.4	111.88	
WATER CONTENT	24.55	24.32	25.18	

CONTAINER NO.				
BOREHOLE NO.				
SAMPLE NO.				
MASS CONT. + WET SOIL				
MASS CONT. + DRY SOIL				
MASS WATER				
MASS CONTAINER				
MASS DRY SOIL				
WATER CONTENT				

MOISTURE CONTENT TEST

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE May 17 2022

LOCATION 58309

TESTED BY Hamed Behzadipour

CONTAINER NO.	Trial 1	Trial 2	Trial 3	Trial 4
BOREHOLE NO.	58309	58309	58309	
SAMPLE NO.	1	2	3	
MASS CONT. + WET SOIL	341.6	306.6	272.9	
MASS CONT. + DRY SOIL	315.7	287.8	253.1	
MASS WATER	25.9	18.8	19.8	
MASS CONTAINER	215.4	214.2	174.71	
MASS DRY SOIL	100.3	73.6	78.39	
WATER CONTENT	25.82	25.54	25.26	

CONTAINER NO.				
BOREHOLE NO.				
SAMPLE NO.				
MASS CONT. + WET SOIL				
MASS CONT. + DRY SOIL				
MASS WATER				
MASS CONTAINER				
MASS DRY SOIL				
WATER CONTENT				

MOISTURE CONTENT TEST

GEOTECHNICAL RESEARCH CENTRE

THE UNIVERSITY OF WESTERN ONTARIO

DATE May 17 2022

LOCATION 58495

TESTED BY Hamed Behzadipour

CONTAINER NO.	Trial 1	Trial 2	Trial 3	Trial 4
BOREHOLE NO.	58495		58495	
SAMPLE NO.	1	2	3	
MASS CONT. + WET SOIL	355.8	325	277.9	
MASS CONT. + DRY SOIL	313.2	281.6	247.1	
MASS WATER	42.6	43.4	30.8	
MASS CONTAINER	198.97	174.68	174.3	
MASS DRY SOIL	114.23	106.92	72.8	
WATER CONTENT	37.3%	40.6%	42.4%	

CONTAINER NO.				
BOREHOLE NO.				
SAMPLE NO.				
MASS CONT. + WET SOIL				
MASS CONT. + DRY SOIL				
MASS WATER				
MASS CONTAINER				
MASS DRY SOIL				
WATER CONTENT				

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	167394
Borehole Number	SRK22-WOS-BH-01	Sample Depth, m	17.38-17.99

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	2		
Date Started	05/13/2022		
Date Completed	05/27/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	18.03
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	12.96
Area, cm^2	31.52	Specific Gravity, measured	2.74
Volume, cm^3	80.19	Solids Height, cm	1.227
Water Content, %	39.16	Volume of Solids, cm^3	38.67
Wet Mass, g	147.45	Volume of Voids, cm^3	41.51
Dry Mass, g	105.96	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.544	1.074	2.544				
5.90	2.498	1.036	2.521	7129	1.89E-04	3.08E-03	5.70E-08
10.68	2.484	1.024	2.491	3557	3.70E-04	1.15E-03	4.17E-08
20.53	2.455	1.001	2.470	4034	3.20E-04	1.14E-03	3.58E-08
40.05	2.416	0.969	2.435	3375	3.73E-04	7.97E-04	2.91E-08
79.05	2.359	0.922	2.387	3241	3.73E-04	5.73E-04	2.09E-08
156.50	2.295	0.870	2.327	2233	5.14E-04	3.26E-04	1.64E-08
310.22	2.223	0.812	2.259	1215	8.90E-04	1.84E-04	1.60E-08
621.07	2.144	0.747	2.183	634	1.59E-03	1.00E-04	1.56E-08
1242.74	2.072	0.688	2.108	437	2.15E-03	4.56E-05	9.63E-09
2485.53	1.991	0.623	2.031	265	3.30E-03	2.55E-05	8.25E-09
621.07	2.004	0.634	1.998				
156.60	2.032	0.656	2.018				
40.24	2.067	0.685	2.050				
10.84	2.091	0.705	2.079				

.

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

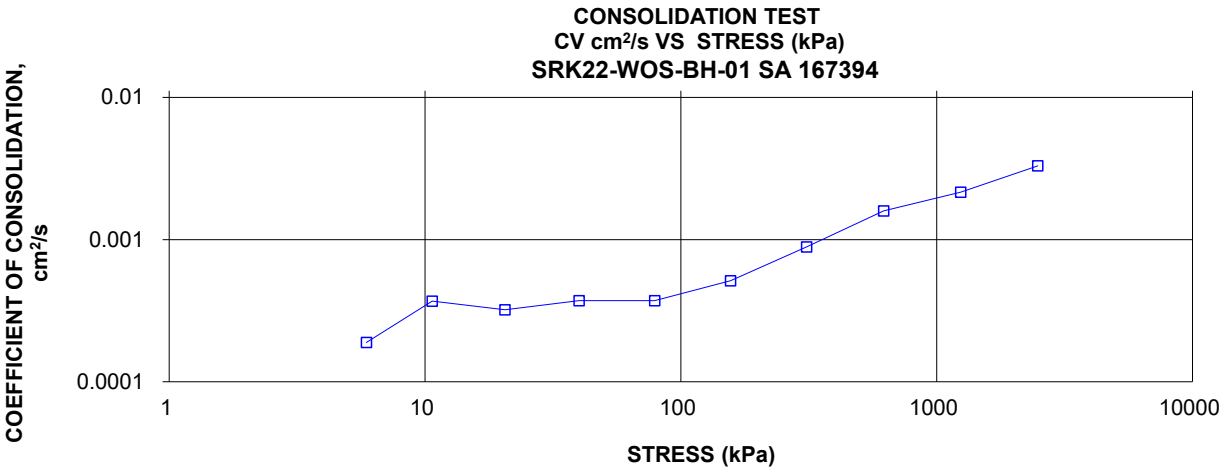
Sample Height, cm	2.09	Unit Weight, kN/m^3	20.03
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	15.76
Area, cm^2	31.52	Specific Gravity, measured	2.74
Volume, cm^3	65.92	Solids Height, cm	1.227
Water Content, %	27.09	Volume of Solids, cm^3	38.67
Wet Mass, g	134.66	Volume of Voids, cm^3	27.25
Dry Mass, g	105.96		

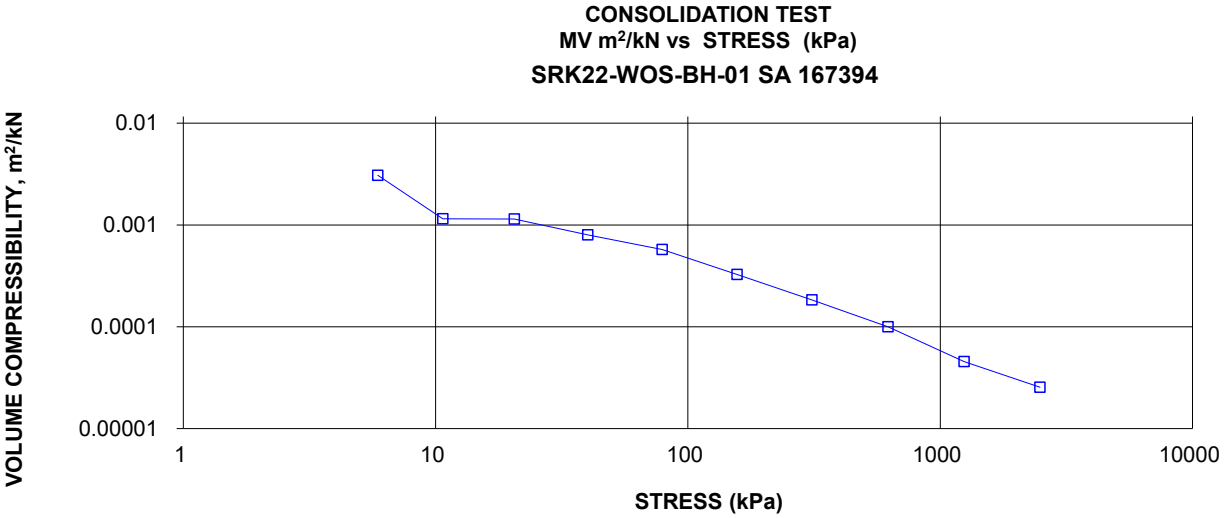
Prepared By: LH

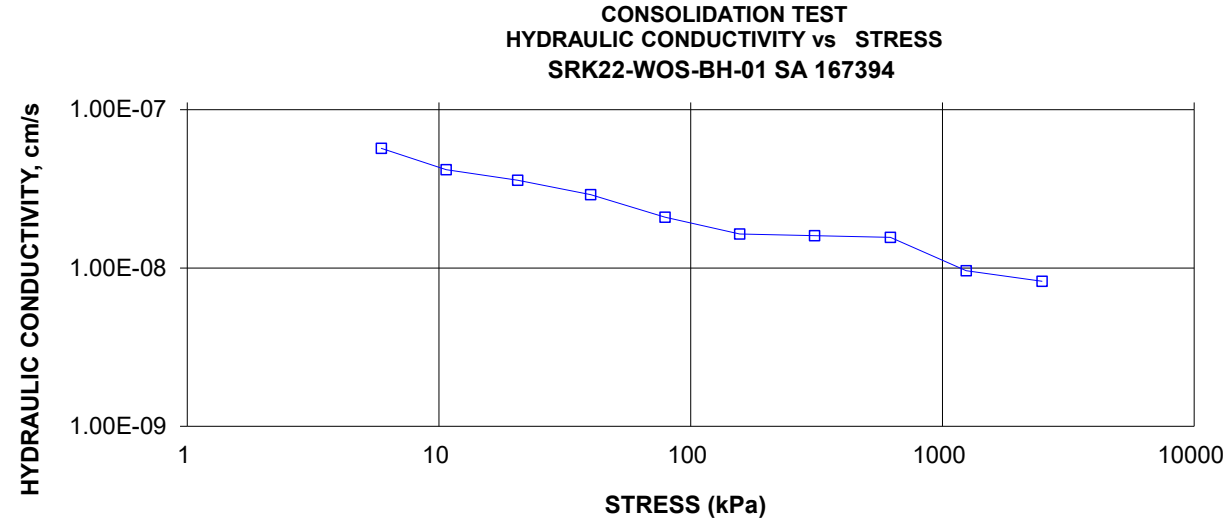
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

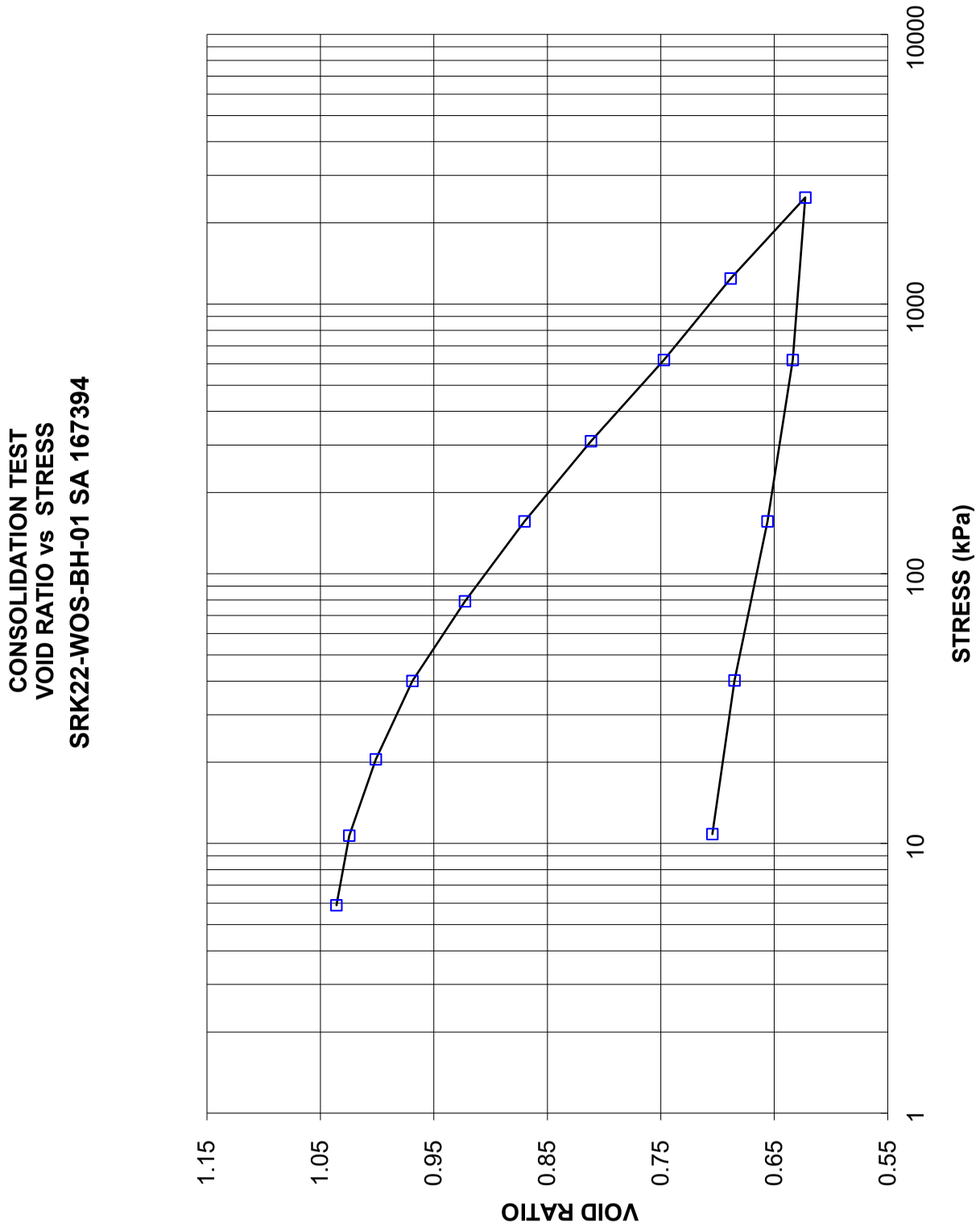
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



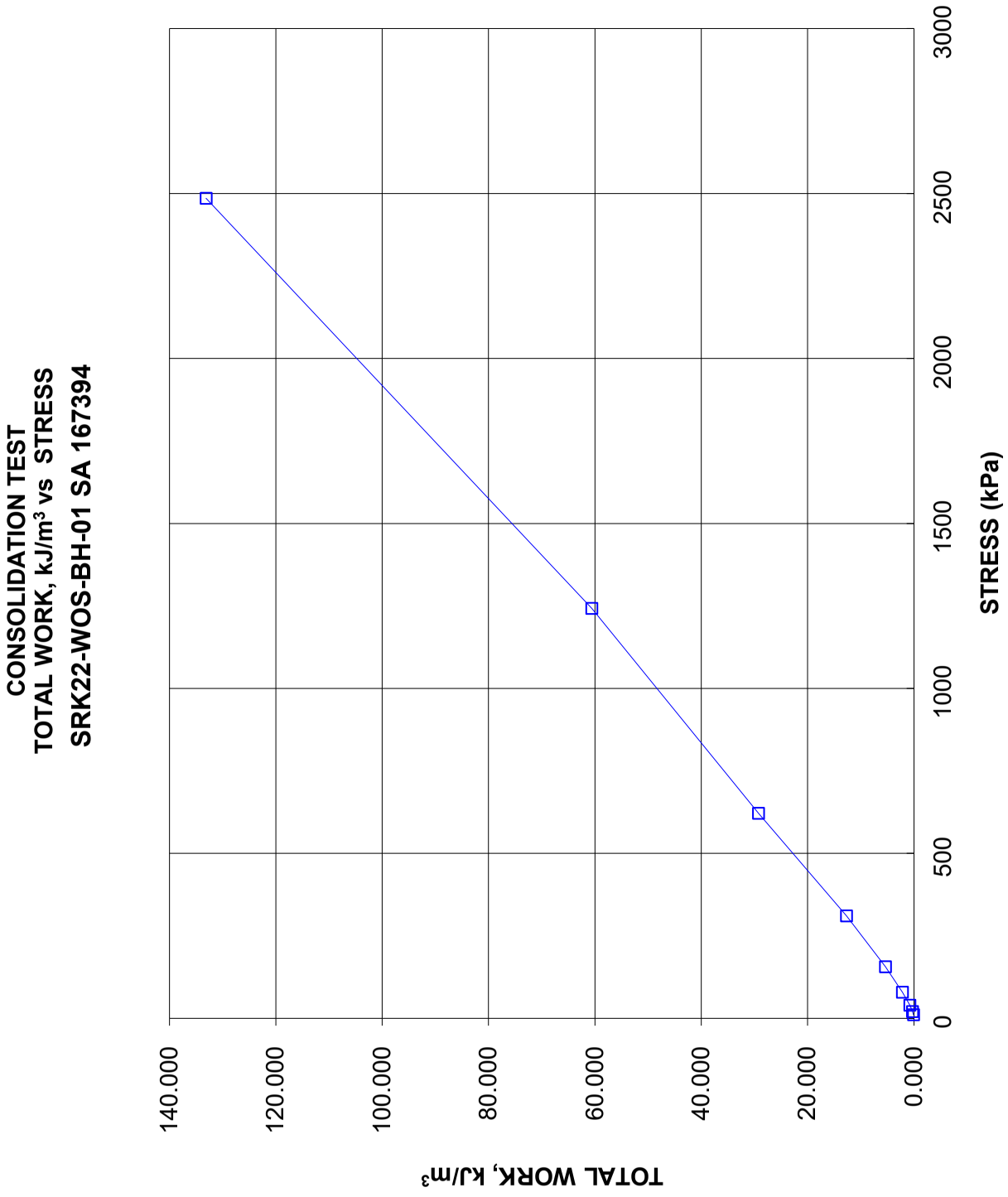
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE

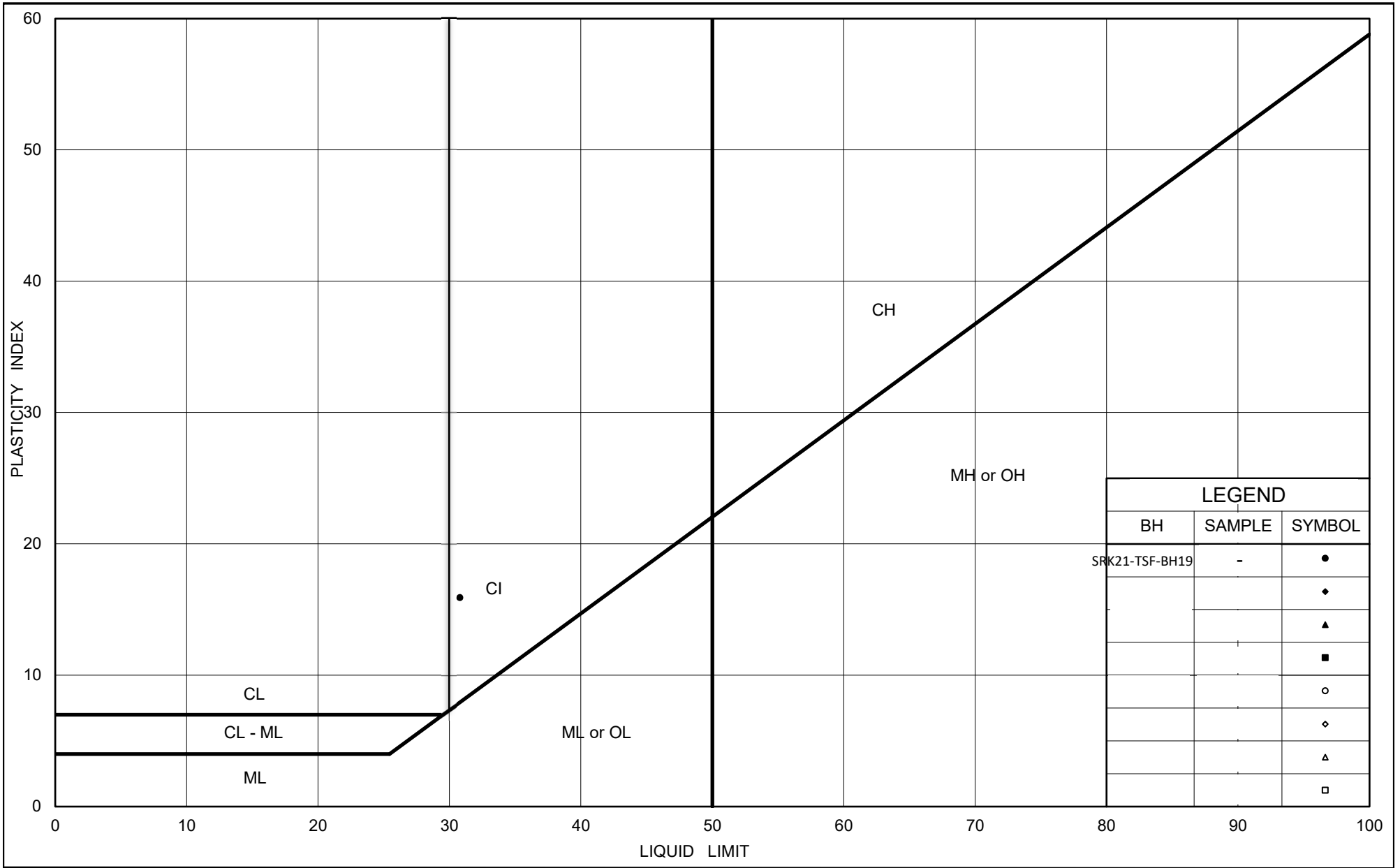


Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM



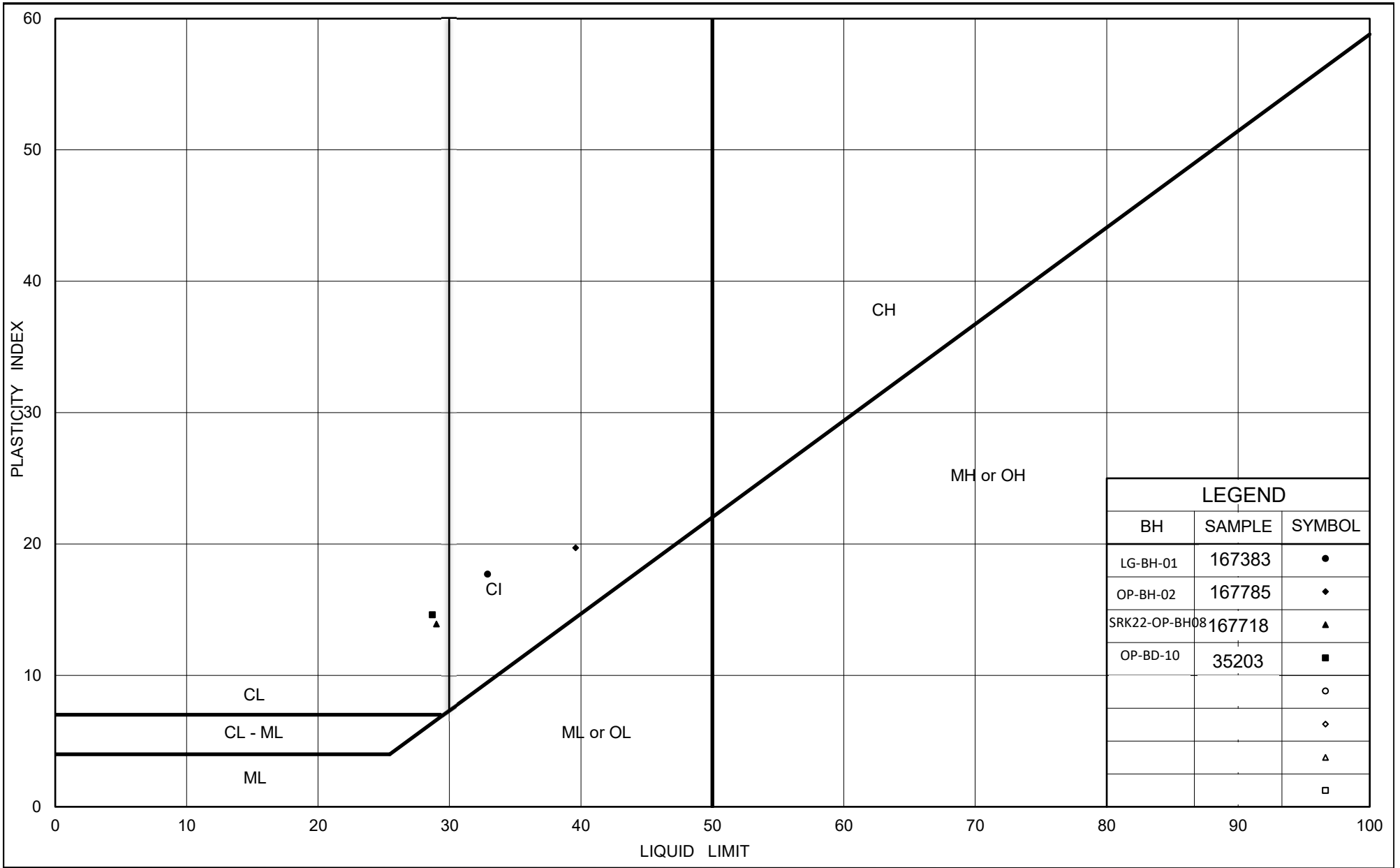
GOLDER

PLASTICITY CHART

Figure No.

Project No. 21473972

Checked By:



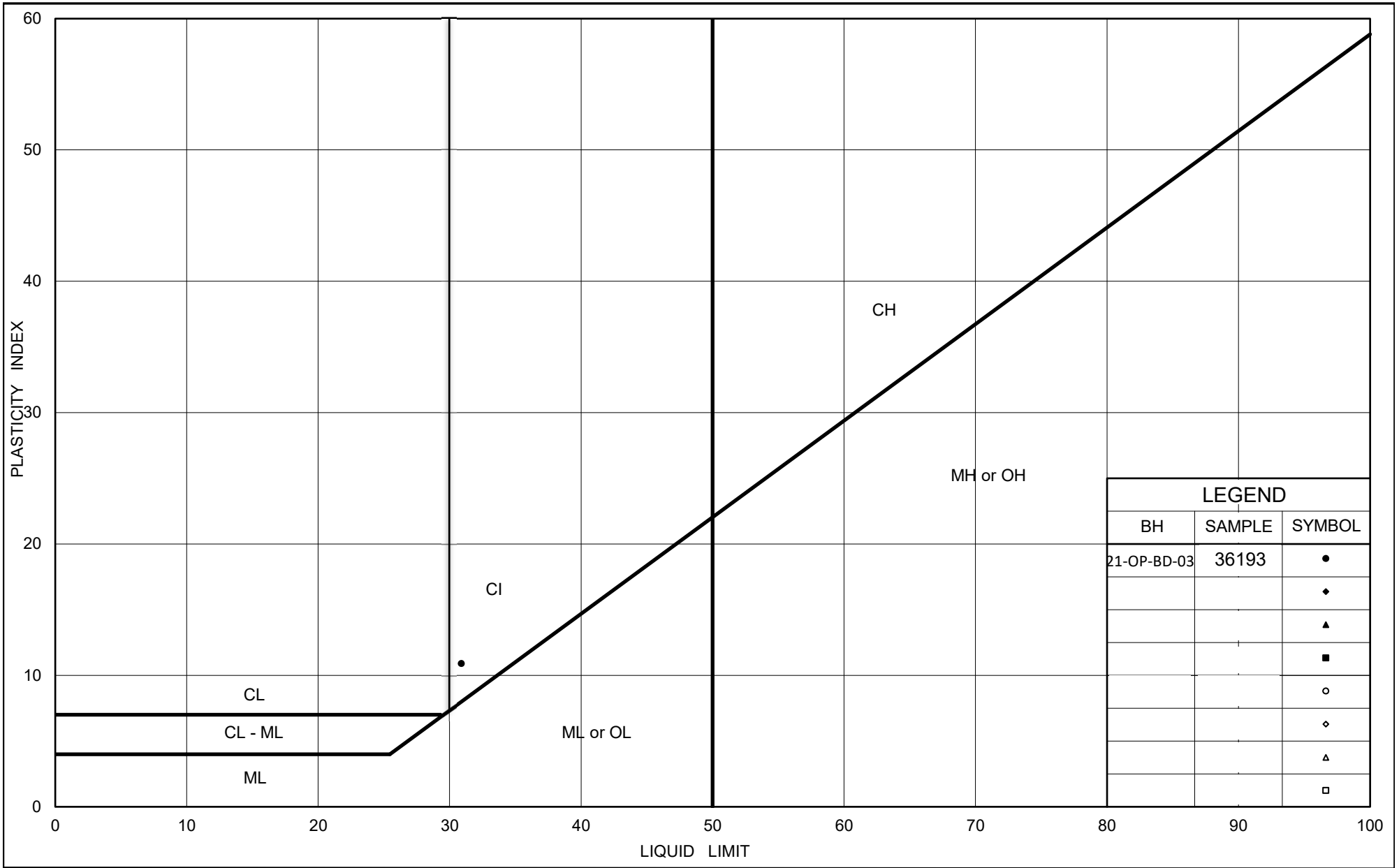
GOLDER

PLASTICITY CHART

Figure No.

Project No. 21504835-2000

Checked By: LH



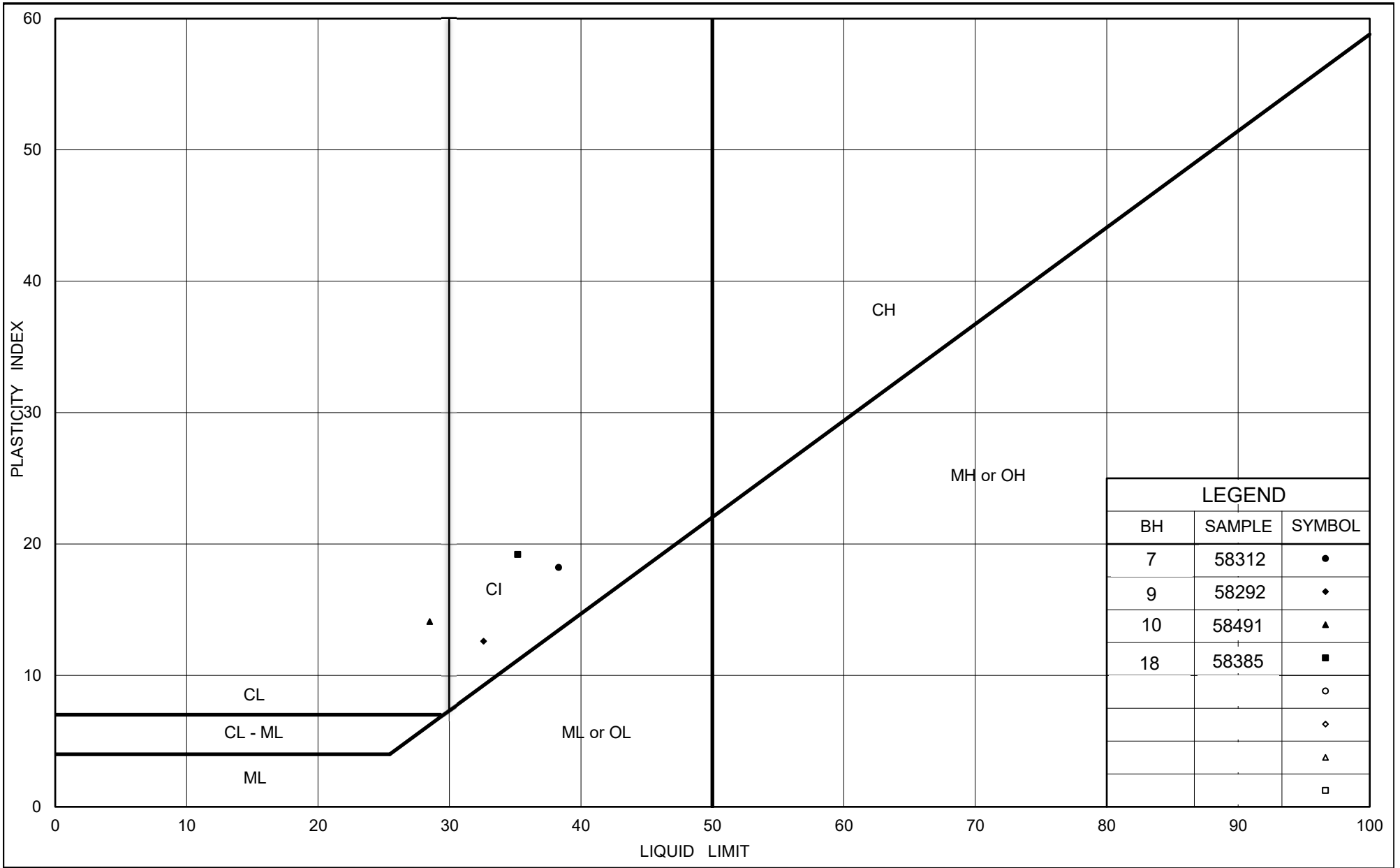
GOLDER

PLASTICITY CHART

Figure No.

Project No. 21504835

Checked By: LH



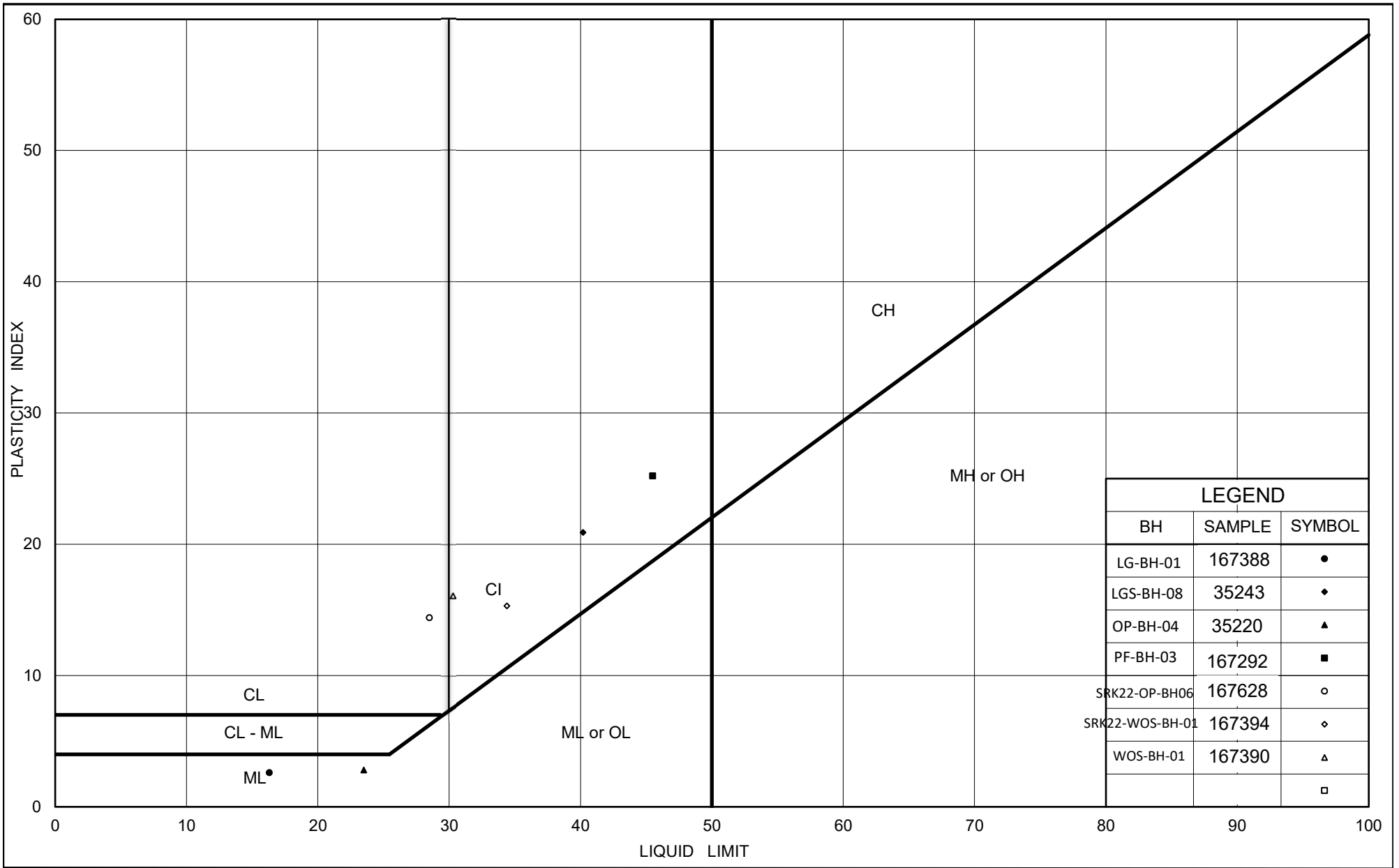
GOLDER

PLASTICITY CHART

Figure No.

Project No. 21473972

Checked By:



GOLDER

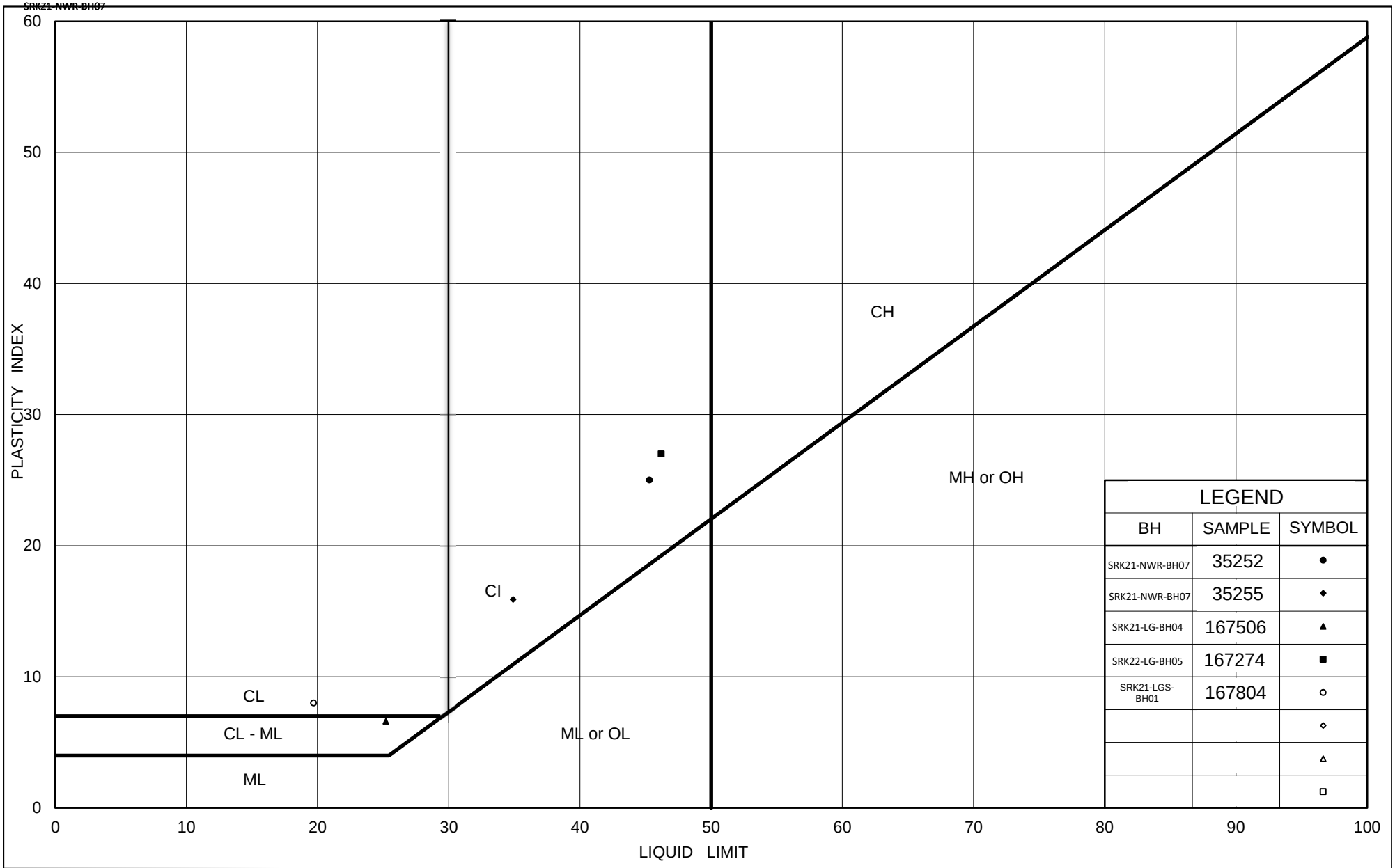
PLASTICITY CHART

Figure No.

Project No. 21504835-2000

Checked By: LH

SRKZ1-NWR-BH07



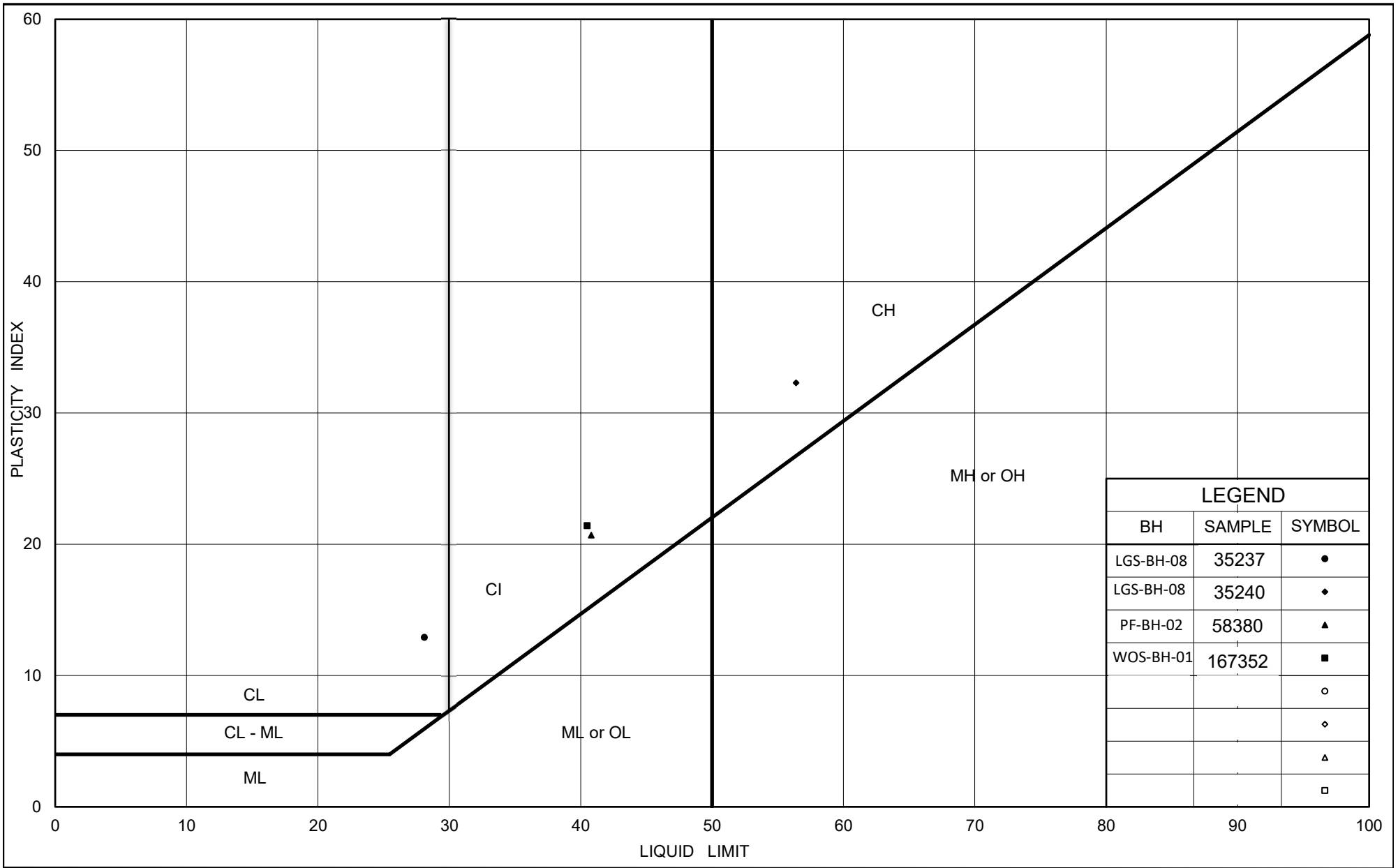
GOLDER

PLASTICITY CHART

Figure No.

Project No. 21504835

Checked By: AH



GOLDER

PLASTICITY CHART

Figure No.

Project No. 21504835

Checked By: LH

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21473972
PROJECT NAME	CDN Nickel/Geotech WB WQ Supp
DATE TESTED	May 31, 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
SRK21-TSF-BH19	-	25-27	7.62-8.23	30.8	14.9	15.9

Checked By:

Golder Associates

GOLDER

Checked By:

Golder Associates

GOLDER

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21504835-2000
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	May 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
LG-BH-01	167383	17-19	5.18-5.79	32.9	15.2	17.7
OP-BH-02	167785	39-41	11.89-12.50	39.6	19.9	19.7
SRK22-OP-BH08	167718	7-9	2.13-2.74	29.0	15.1	13.9
OP-BD-10	35203	9-11	2.74-3.35	28.7	14.1	14.6

Checked By: LH

Golder Associates

GOLDER

Checked By:

Golder Associates

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	April 14 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
21-OP-BD-03	36193	-	-	30.9	20.0	10.9

Checked By: LH

Golder Associates

GOLDER

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21473972
PROJECT NAME	CDN Nickel/Geotech WB WQ Supp
DATE TESTED	April 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
7	58312	42-44	12.80-13.41	38.3	20.1	18.2
9	58292	38-40	11.58-12.19	32.6	20.0	12.6
10	58491	26-28	7.92-8.53	28.5	14.4	14.1
18	58385	13-15	3.96-4.57	35.2	16.0	19.2

Checked By:

Golder Associates

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	July & August 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
SRK21-NWR-BH07	35252	38-40	11.58-12.19	45.3	20.3	25
SRK21-NWR-BH07	35255	-	-	34.9	19.0	15.9
SRK21-LG-BH04	167506	38-40	11.58-12.19	25.2	18.6	6.6
SRK22-LG-BH05	167274	37-39	11.28-11.89	46.2	19.2	27.0
SRK21-LGS-BH01	167804	79-74	24.08-22.56	19.7	11.7	8.0

Checked By: AH

GOLDER

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21504835-2000
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	May 30, 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
LG-BH-01	167388	91-93	27.74-28.35	16.3	13.7	2.6
LGS-BH-08	35243	58-60	17.68-18.29	40.2	19.3	20.9
OP-BH-04	35220	8-10	2.44-3.05	23.5	20.7	2.8
PF-BH-03	167292	38-40	11.58-12.19	45.5	20.3	25.2
SRK22-OP-BH06	167628	21-23	6.40-7.01	28.5	14.1	14.4
SRK22-WOS-BH-01	167394	57-59	17.37-17.98	34.4	19.1	15.3
WOS-BH-01	167390	7-9	2.13-2.74	30.3	14.2	16.1

Checked By: LH

Golder Associates

GOLDER

Checked By:

Golder Associates

GOLDER

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

OJECT NUMBER 21504835

ROJECT NAME SRK_LabSoilTesting_Crawford

)ATE TESTED May 11, 2022

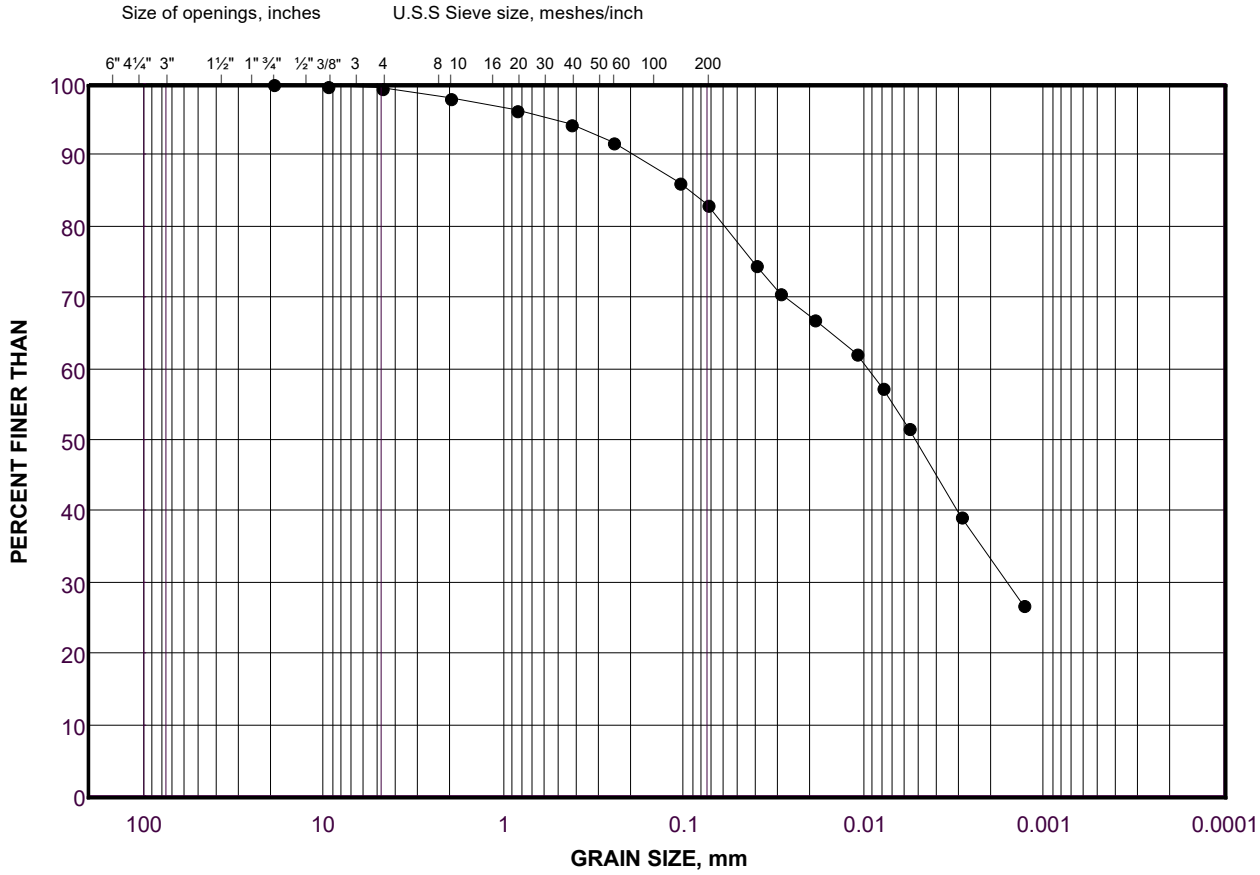
Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
LGS-BH-08	35237	18-20	5.49-6.10	28.1	15.2	12.9
LGS-BH-08	35240	38-40	11.58-12.19	56.4	24.1	32.3
PF-BH-02	58380	18-20	5.49-6.10	40.8	20.1	20.7
WOS-BH-01	167352	37-39	11.28-11.89	40.5	19.1	21.4

Checked By: LH

Golder Associates

GRAIN SIZE DISTRIBUTION

FIGURE



LEGEND

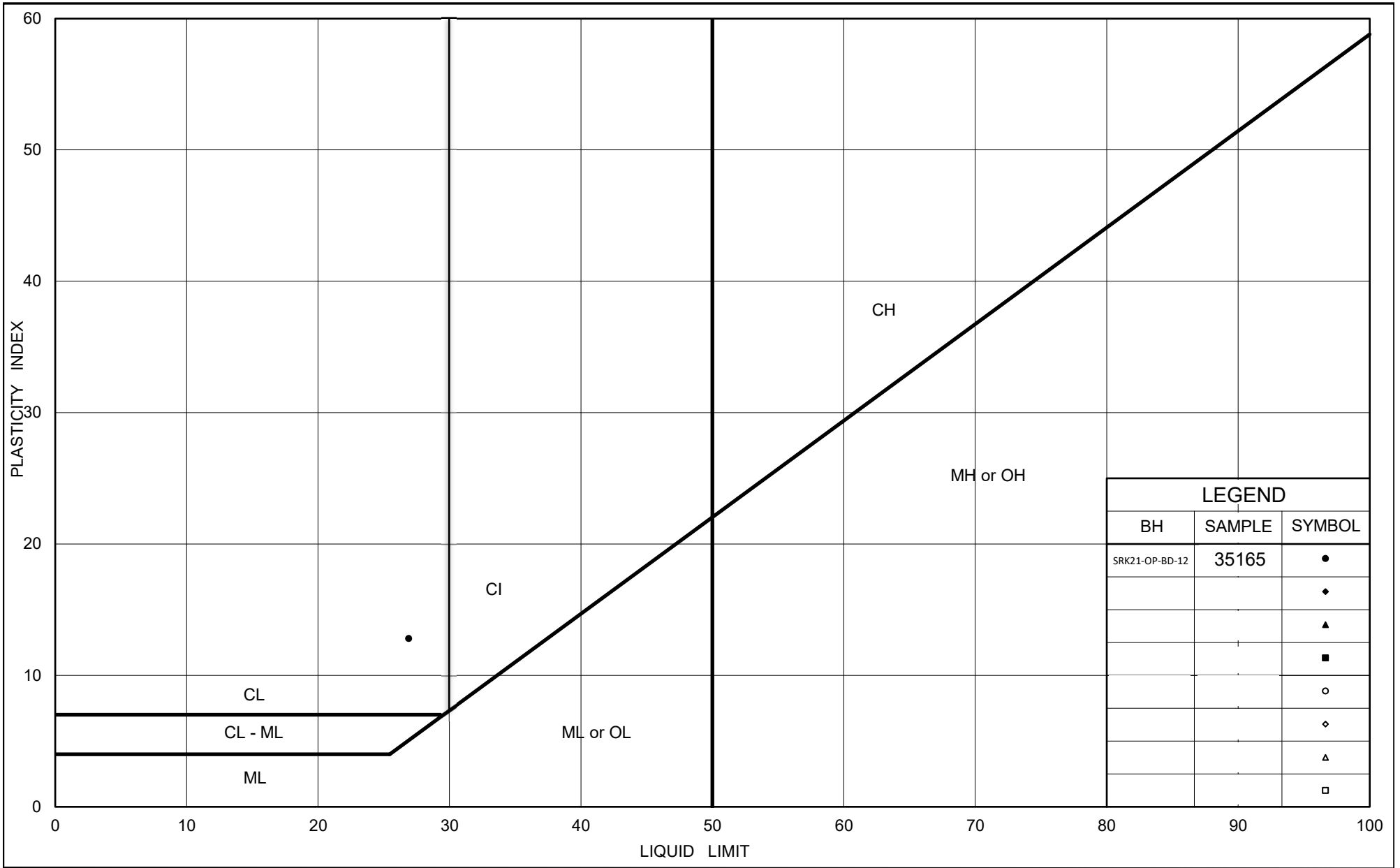
SYMBOL	Borehole	SAMPLE	DEPTH(m)
●	SRK21-OP-BD-12	35165	7.16 - 7.77

Project Number: 21504835

Checked By: LH

Golder Associates

Date: 11-Mar-22



GOLDER

PLASTICITY CHART

Figure No.

Project No. 21504835

Checked By: LH

SUMMARY OF ATTERBERG LIMITS DETERMINATION

ASTM D 4318

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	March 9 2022

Borehole No.	Sample No.	Depth (ft)	Depth (m)	Atterberg Limits LL	PL	PI
SRK21-OP-BD-12	35165	-	7.16-7.77	26.9	14.1	12.8

Checked By: LH

Golder Associates

GOLDER

SPECIFIC GRAVITY TEST RESULTS

ASTM D 854 TEST METHOD B

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	March 18 2022

Borehole No.	Sample No.	Specific Gravity (Gs20°C)
SRK21-OP-BD-12	35165	2.73

Note: Test carried out on soil particles <4.75mm using distilled water.

Checked By: LH

Golder

Tested By:

SOIL SIEVE AND HYDROMETER ANALYSIS

Initial weight of dry sample = 284.96(g)
Weight measured for back sieving = 50.14(g)
Weight of Sample for Hydrometer = 50.14(g)

COARSE SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
6"	0.00	0.00	152.40	100.0
4.24"	0.00	0.00	106.00	100.0
3"	0.00	0.00	76.20	100.0
2"	0.00	0.00	50.80	100.0
1½"	0.00	0.00	38.10	100.0
1"	0.00	0.00	25.40	100.0
¾"	0.00	0.00	19.10	100.0
3/8"	0.00	0.00	9.50	100.0
4	0.00	0.00	4.75	100.0
10	0.00	0.00	2.00	100.0
PAN	284.96	100.00	0.00	0.0

HYDROMETER BACK SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
20	0.01	0.02	0.85	100.0
40	0.02	0.02	0.43	100.0
60	0.05	0.06	0.25	99.9
140	0.08	0.06	0.11	99.8
200	0.10	0.04	0.08	99.8

HYDROMETER

	DATE (MM\DD\YYYY)	**TIME** (HH:MM:SS)
Started :	2022-04-13	9:00:00 AM
Finished :	2022-04-14	8:10:00 AM

Elapsed Time (min)	HYDROMETER READING	DEFLOCCULANT CORRECTION	WATER TEMP (°C)	CORRECTED HYDROMETER READING	PARTICLE SIZE (mm)	% PASSING	PLOT
1.00	54.00	5.0	21.4	49.00	0.0365	96.8	True
2.00	54.00	5.0	21.4	49.00	0.0258	96.8	True
5.00	54.00	5.0	21.4	49.00	0.0163	96.8	True
15.00	53.00	5.0	21.4	48.00	0.0095	94.8	True
30.00	51.00	5.0	21.5	46.00	0.0069	90.8	True
60.00	48.00	5.0	21.5	43.00	0.0050	84.9	True
250.00	37.50	5.0	22.1	32.50	0.0027	64.2	True
1390.00	24.00	5.0	21.7	19.00	0.0013	37.5	True

Project Number	21473972	Depth	12.2
Project Task	1000	Units	Metric
	SRK21-TSF-BH09	Testing Date	2022-04-12 3:45:38 PM
Sample Number	58292	Tested By	Sieve - LL, Hydrometer - SK
Checked By	_____	LabID	22-654

SOIL SIEVE AND HYDROMETER ANALYSIS

Initial weight of dry sample = 287.24(g)
Weight measured for back sieving = 50(g)
Weight of Sample for Hydrometer = 50(g)

COARSE SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
6"	0.00	0.00	152.40	100.0
4.24"	0.00	0.00	106.00	100.0
3"	0.00	0.00	76.20	100.0
2"	0.00	0.00	50.80	100.0
1½"	0.00	0.00	38.10	100.0
1"	0.00	0.00	25.40	100.0
¾"	0.00	0.00	19.10	100.0
3/8"	0.00	0.00	9.50	100.0
4	0.00	0.00	4.75	100.0
10	0.00	0.00	2.00	100.0
PAN	287.24	100.00	0.00	0.0

HYDROMETER BACK SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
20	0.00	0.00	0.85	100.0
40	0.01	0.02	0.43	100.0
60	0.03	0.04	0.25	99.9
140	0.05	0.04	0.11	99.9
200	0.06	0.02	0.08	99.9

HYDROMETER

	DATE (MM\DD\YYYY)	**TIME** (HH:MM:SS)
Started :	2022-04-11	8:42:00 AM
Finished :	2022-04-12	8:02:00 AM

Elapsed Time (min)	HYDROMETER READING	DEFLOCCULANT CORRECTION	WATER TEMP (°C)	CORRECTED HYDROMETER READING	PARTICLE SIZE (mm)	% PASSING	PLOT
1.00	55.50	5.0	22.3	50.50	0.0355	100.0	True
2.00	55.00	5.0	22.3	50.00	0.0252	99.0	True
5.00	54.50	5.0	22.3	49.50	0.0160	98.0	True
15.00	54.00	5.0	22.3	49.00	0.0093	97.0	True
30.00	53.00	5.0	22.3	48.00	0.0067	95.0	True
60.00	51.00	5.0	22.4	46.00	0.0048	91.1	True
250.00	42.00	5.0	22.8	37.00	0.0025	73.3	True
1400.00	30.50	5.0	21.1	25.50	0.0012	50.5	True

Project Number	21473972	Depth	13.41
Project Task	1000	Units	Metric
	BH07	Testing Date	2022-04-08 2:19:07 PM
Sample Number	58312	Tested By	Sieve - RM, Hydrometer - SK
Checked By	_____	LabID	22-626

Golder Associates

SOIL SIEVE AND HYDROMETER ANALYSIS

Initial weight of dry sample = 237.51(g)
Weight measured for back sieving = 50.72(g)
Weight of Sample for Hydrometer = 50.72(g)

COARSE SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
6"	0.00	0.00	152.40	100.0
4.24"	0.00	0.00	106.00	100.0
3"	0.00	0.00	76.20	100.0
2"	0.00	0.00	50.80	100.0
1½"	0.00	0.00	38.10	100.0
1"	0.00	0.00	25.40	100.0
¾"	0.00	0.00	19.10	100.0
3/8"	0.00	0.00	9.50	100.0
4	0.00	0.00	4.75	100.0
10	2.12	0.89	2.00	99.1
PAN	235.39	99.11	0.00	0.0

HYDROMETER BACK SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
20	0.42	0.82	0.85	98.3
40	1.10	1.33	0.43	97.0
60	1.93	1.62	0.25	95.3
140	3.80	3.65	0.11	91.7
200	4.77	1.90	0.08	89.8

HYDROMETER

	DATE (MM\DD\YYYY)	**TIME** (HH:MM:SS)
Started :	2022-04-13	9:16:00 AM
Finished :	2022-04-14	8:12:00 AM

Elapsed Time (min)	HYDROMETER READING	DEFLOCCULANT CORRECTION	WATER TEMP (°C)	CORRECTED HYDROMETER READING	PARTICLE SIZE (mm)	% PASSING	PLOT
1.00	48.00	5.0	21.2	43.00	0.0389	83.2	True
2.00	47.00	5.0	21.2	42.00	0.0278	81.2	True
5.00	46.00	5.0	21.2	41.00	0.0177	79.3	True
15.00	44.00	5.0	21.2	39.00	0.0104	75.4	True
30.00	41.50	5.0	21.2	36.50	0.0075	70.6	True
60.00	38.50	5.0	21.4	33.50	0.0054	64.8	True
250.00	33.50	5.0	22.1	28.50	0.0028	55.1	True
1376.00	24.00	5.0	21.7	19.00	0.0013	36.8	True

Project Number	21473972	Depth	4.57
Project Task	1000	Units	Metric
	SRK21-TSF-BH18	Testing Date	2022-04-12 3:36:08 PM
Sample Number	58385	Tested By	Sieve - LL, Hydrometer - SK
Checked By	_____	LabID	22-653

SOIL SIEVE AND HYDROMETER ANALYSIS

Initial weight of dry sample = 228.27(g)
Weight measured for back sieving = 50.55(g)
Weight of Sample for Hydrometer = 50.55(g)

COARSE SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
6"	0.00	0.00	152.40	100.0
4.24"	0.00	0.00	106.00	100.0
3"	0.00	0.00	76.20	100.0
2"	0.00	0.00	50.80	100.0
1½"	0.00	0.00	38.10	100.0
1"	0.00	0.00	25.40	100.0
¾"	0.00	0.00	19.10	100.0
3/8"	0.00	0.00	9.50	100.0
4	1.34	0.59	4.75	99.4
10	5.04	1.62	2.00	97.8
PAN	223.23	97.79	0.00	0.0

HYDROMETER BACK SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
20	0.79	1.53	0.85	96.3
40	1.88	2.11	0.43	94.2
60	3.20	2.55	0.25	91.6
140	6.22	5.84	0.11	85.8
200	7.72	2.90	0.08	82.9

HYDROMETER

	DATE (MM\DD\YYYY)	**TIME** (HH:MM:SS)
Started :	2022-04-13	9:56:00 AM
Finished :	2022-04-14	8:17:00 AM

Elapsed Time (min)	HYDROMETER READING	DEFLOCCULANT CORRECTION	WATER TEMP (°C)	CORRECTED HYDROMETER READING	PARTICLE SIZE (mm)	% PASSING	PLOT
1.00	44.00	5.0	21.2	39.00	0.0404	74.7	True
2.00	43.00	5.0	21.2	38.00	0.0288	72.8	True
5.00	42.00	5.0	21.2	37.00	0.0184	70.9	True
15.00	39.00	5.0	21.2	34.00	0.0109	65.1	True
30.00	36.50	5.0	21.3	31.50	0.0078	60.3	True
60.00	33.50	5.0	21.4	28.50	0.0057	54.6	True
250.00	28.00	5.0	22.3	23.00	0.0029	44.1	True
1341.00	21.00	5.0	21.5	16.00	0.0013	30.7	True

Project Number	21473972	Depth	8.54
Project Task	1000	Units	Metric
	SRK21-TSF-BH10	Testing Date	2022-04-12 3:48:11 PM
Sample Number	58491	Tested By	Sieve - LL, Hydrometer - SK
Checked By	_____	LabID	22-655

SOIL SIEVE AND HYDROMETER ANALYSIS

Initial weight of dry sample = 373.66(g)
Weight measured for back sieving = 50.32(g)
Weight of Sample for Hydrometer = 50.32(g)

COARSE SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
6"	0.00	0.00	152.40	100.0
4.24"	0.00	0.00	106.00	100.0
3"	0.00	0.00	76.20	100.0
2"	0.00	0.00	50.80	100.0
1½"	0.00	0.00	38.10	100.0
1"	0.00	0.00	25.40	100.0
¾"	0.00	0.00	19.10	100.0
3/8"	0.00	0.00	9.50	100.0
4	1.75	0.47	4.75	99.5
10	8.68	1.85	2.00	97.7
PAN	364.98	97.68	0.00	0.0

HYDROMETER BACK SIEVING

SIEVE	CUM. MASS RETAINED (g)	% RETAINED	PARTICLE SIZE(mm)	% PASSING
20	0.58	1.13	0.85	96.6
40	1.49	1.77	0.43	94.8
60	2.57	2.10	0.25	92.7
140	5.02	4.76	0.11	87.9
200	6.24	2.37	0.08	85.6

HYDROMETER

	DATE (MM\DD\YYYY)	**TIME** (HH:MM:SS)
Started :	2022-05-30	9:34:00 AM
Finished :	2022-05-31	8:11:00 AM

Elapsed Time (min)	HYDROMETER READING	DEFLOCCULANT CORRECTION	WATER TEMP (°C)	CORRECTED HYDROMETER READING	PARTICLE SIZE (mm)	% PASSING	PLOT
1.00	45.00	5.0	22.6	40.00	0.0393	76.9	True
2.00	44.00	5.0	22.6	39.00	0.0281	75.0	True
5.00	42.50	5.0	22.6	37.50	0.0180	72.1	True
15.00	40.00	5.0	22.6	35.00	0.0106	67.3	True
30.00	38.00	5.0	22.7	33.00	0.0076	63.4	True
60.00	35.00	5.0	22.8	30.00	0.0055	57.7	True
250.00	29.00	5.0	23.2	24.00	0.0028	46.1	True
1357.00	21.50	5.0	23.2	16.50	0.0013	31.7	True

Project Number	21473972	Depth	8.23
Project Task	1000	Units	Metric
	SRK-21-TSF-BH19	Testing Date	2022-05-27 10:15:35 AM
Sample Number	A1 B + C	Tested By	Sieve - RM, Hydrometer - SK
Checked By	_____	LabID	22-884

Golder Associates

Appendix E.2 Permeability Tests

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36193
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.29-18.89
BOREHOLE NUMBER	21-OP-BD-03	DATE	April 12, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	6.56	UNIT WEIGHT, kN/m^3	17.69
SAMPLE DIAMETER, cm	6.98	DRY UNIT WEIGHT, kN/m^3	12.92
SAMPLE AREA, cm^2	38.24	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	250.87	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	452.67	VOLUME OF VOIDS, cm^3	128.50
DRY MASS, g	330.42	VOID RATIO	1.05
WATER CONTENT, %	37.0		

SATURATION STAGE

CELL PRESSURE, kPa	70.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	60.00	DURATION, min	1,137
BACK PRESSURE, kPa	60.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	560.00	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	60.00	DURATION, min	1,180
BACK PRESSURE, kPa	60.00	VOLUME CHANGE, cm^3	27.90
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	6.32	SAMPLE AREA, cm^2	35.41
SAMPLE DIAMETER, cm	6.71	SAMPLE VOLUME, cm^3	223.66

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	574	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	74	DURATION, min	5662
BACK PRESSURE, kPa	60	HYDRAULIC GRADIENT, i	23

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	6.32	UNIT WEIGHT, kN/m^3	17.82
SAMPLE DIAMETER, cm	6.71	DRY UNIT WEIGHT, kN/m^3	14.49
SAMPLE AREA, cm^2	35.41	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	223.66	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	406.41	VOLUME OF VOIDS, cm^3	101.29
DRY MASS, g	330.42	VOID RATIO	0.83
WATER CONTENT, %	23.0		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	5662
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	9.2
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	8.9
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	3.38E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	3.27E-10
HYDRAULIC CONDUCTIVITY, K, m/s	3.33E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**3.10E-10**

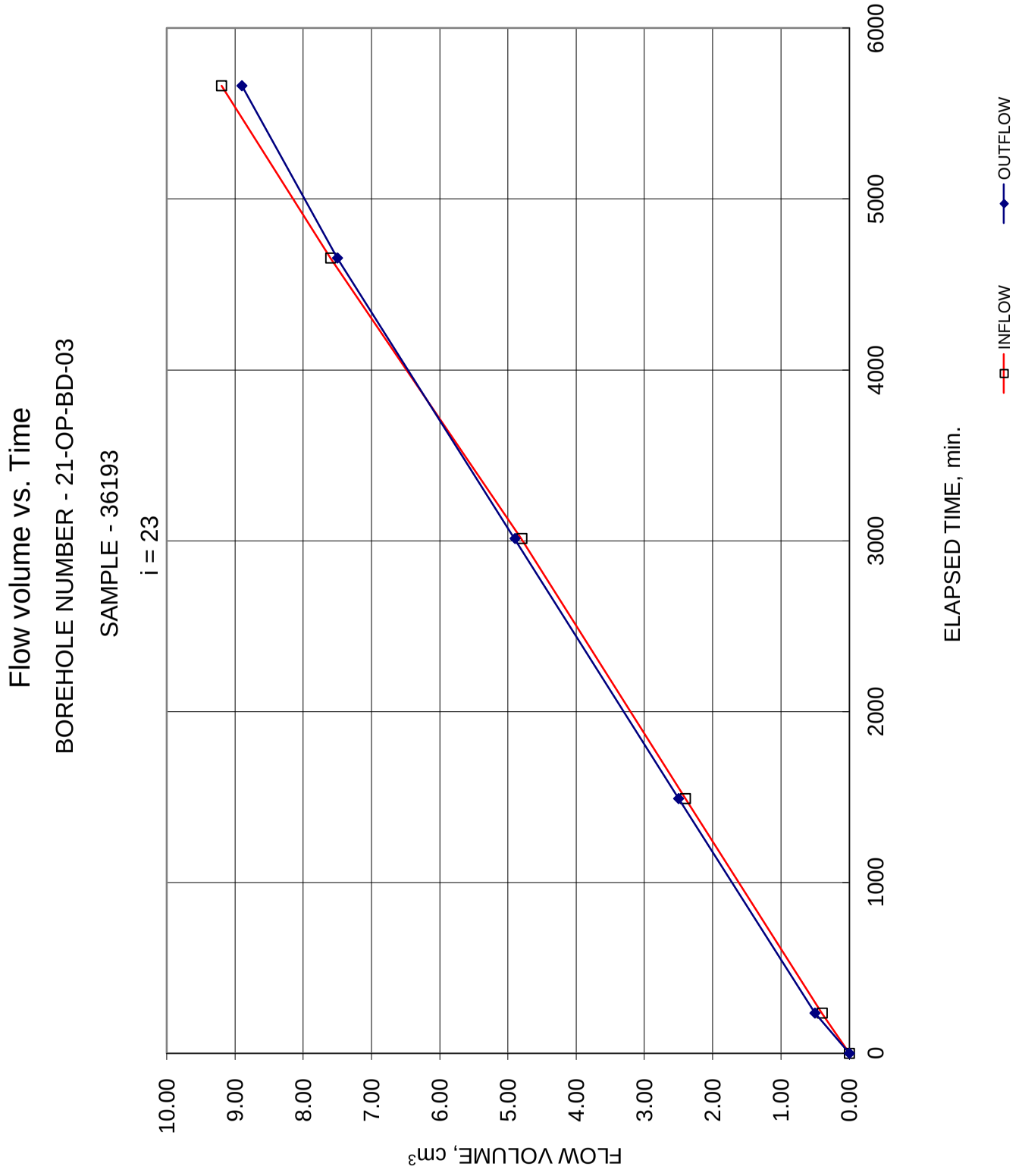
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: 21-OP-BD-03
Sample depth: 18.29-18.89



Project number : 21504835
Prepared by : SJ

Golder

Checked by : AH

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36193
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.29-18.89
BOREHOLE NUMBER	21-OP-BD-03	DATE	April 14, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	6.56	UNIT WEIGHT, kN/m^3	17.69
SAMPLE DIAMETER, cm	6.98	DRY UNIT WEIGHT, kN/m^3	12.92
SAMPLE AREA, cm^2	38.24	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	250.87	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	452.67	VOLUME OF VOIDS, cm^3	128.50
DRY MASS, g	330.42	VOID RATIO	1.05
WATER CONTENT, %	37.0		

SATURATION STAGE

CELL PRESSURE, kPa	70.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	60.00	DURATION, min	1,137
BACK PRESSURE, kPa	60.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	560.00	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	60.00	DURATION, min	1,180
BACK PRESSURE, kPa	60.00	VOLUME CHANGE, cm^3	27.90
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	6.32	SAMPLE AREA, cm^2	35.41
SAMPLE DIAMETER, cm	6.71	SAMPLE VOLUME, cm^3	223.66

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	591	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	91	DURATION, min	2833
BACK PRESSURE, kPa	60	HYDRAULIC GRADIENT, i	50

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	6.32	UNIT WEIGHT, kN/m^3	17.82
SAMPLE DIAMETER, cm	6.71	DRY UNIT WEIGHT, kN/m^3	14.49
SAMPLE AREA, cm^2	35.41	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	223.66	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	406.41	VOLUME OF VOIDS, cm^3	101.29
DRY MASS, g	330.42	VOID RATIO	0.83
WATER CONTENT, %	23.0		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	2833
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	9.8
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	10.0
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	3.25E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	3.32E-10
HYDRAULIC CONDUCTIVITY, K, m/s	3.29E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**3.06E-10**

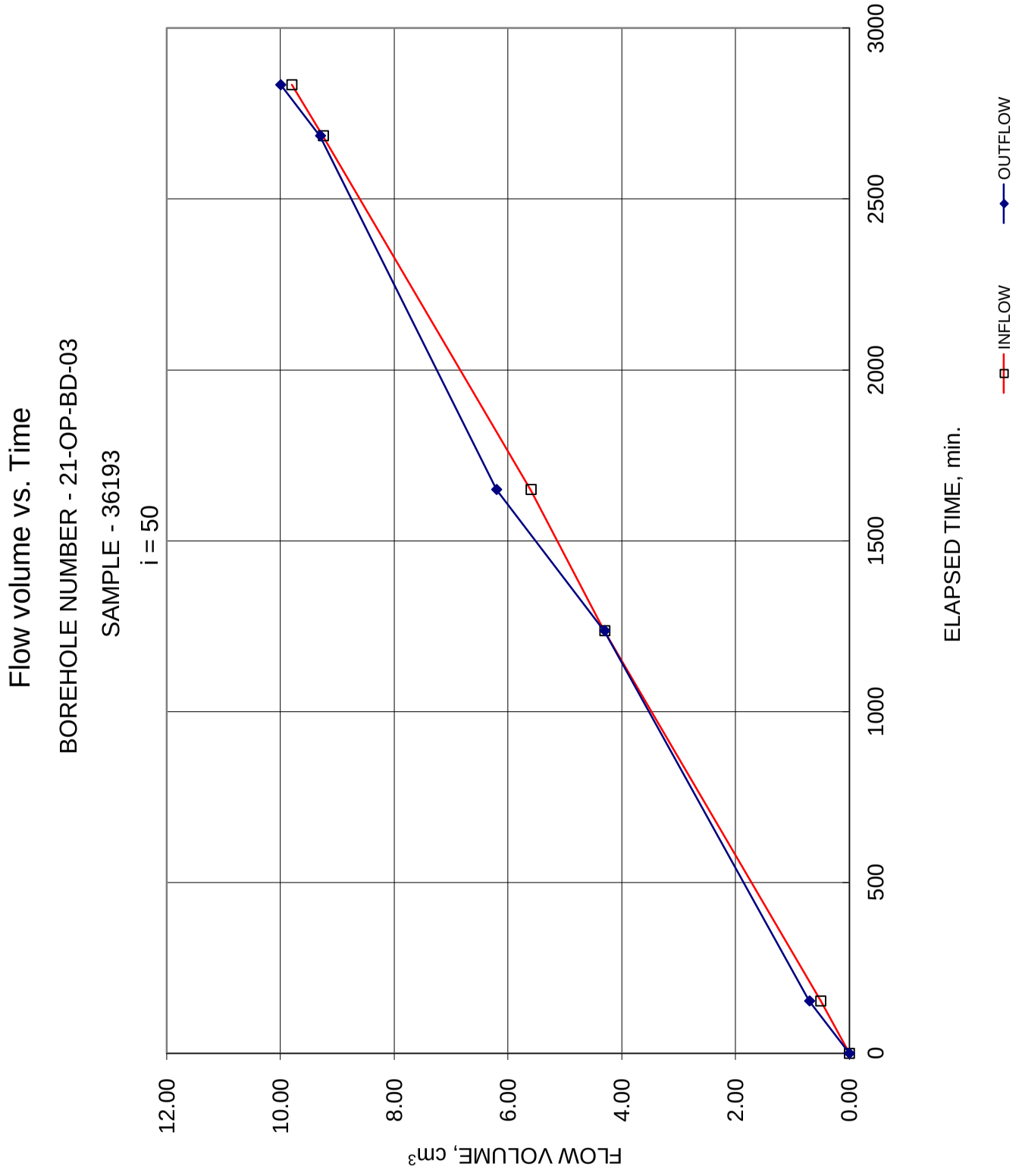
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: 21-OP-BD-03
Sample depth: 18.29-18.89



Project number : 21504835
Prepared by : SJ

Golder

Checked by : AH

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36193
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.29-18.89
BOREHOLE NUMBER	21-OP-BD-03	DATE	April 19, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	6.56	UNIT WEIGHT, kN/m^3	17.69
SAMPLE DIAMETER, cm	6.98	DRY UNIT WEIGHT, kN/m^3	12.92
SAMPLE AREA, cm^2	38.24	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	250.87	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	452.67	VOLUME OF VOIDS, cm^3	128.50
DRY MASS, g	330.42	VOID RATIO	1.05
WATER CONTENT, %	37.0		

SATURATION STAGE

CELL PRESSURE, kPa	70.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	60.00	DURATION, min	1,137
BACK PRESSURE, kPa	60.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	560.00	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	60.00	DURATION, min	1,180
BACK PRESSURE, kPa	60.00	VOLUME CHANGE, cm^3	27.90
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	6.32	SAMPLE AREA, cm^2	35.41
SAMPLE DIAMETER, cm	6.71	SAMPLE VOLUME, cm^3	223.66

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	623	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	123	DURATION, min	4238
BACK PRESSURE, kPa	60	HYDRAULIC GRADIENT, i	102

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	6.32	UNIT WEIGHT, kN/m^3	17.82
SAMPLE DIAMETER, cm	6.71	DRY UNIT WEIGHT, kN/m^3	14.49
SAMPLE AREA, cm^2	35.41	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	223.66	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	406.41	VOLUME OF VOIDS, cm^3	101.29
DRY MASS, g	330.42	VOID RATIO	0.83
WATER CONTENT, %	23.0		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	4238
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	34.8
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	34.0
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	3.80E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	3.71E-10
HYDRAULIC CONDUCTIVITY, K, m/s	3.76E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**3.50E-10**

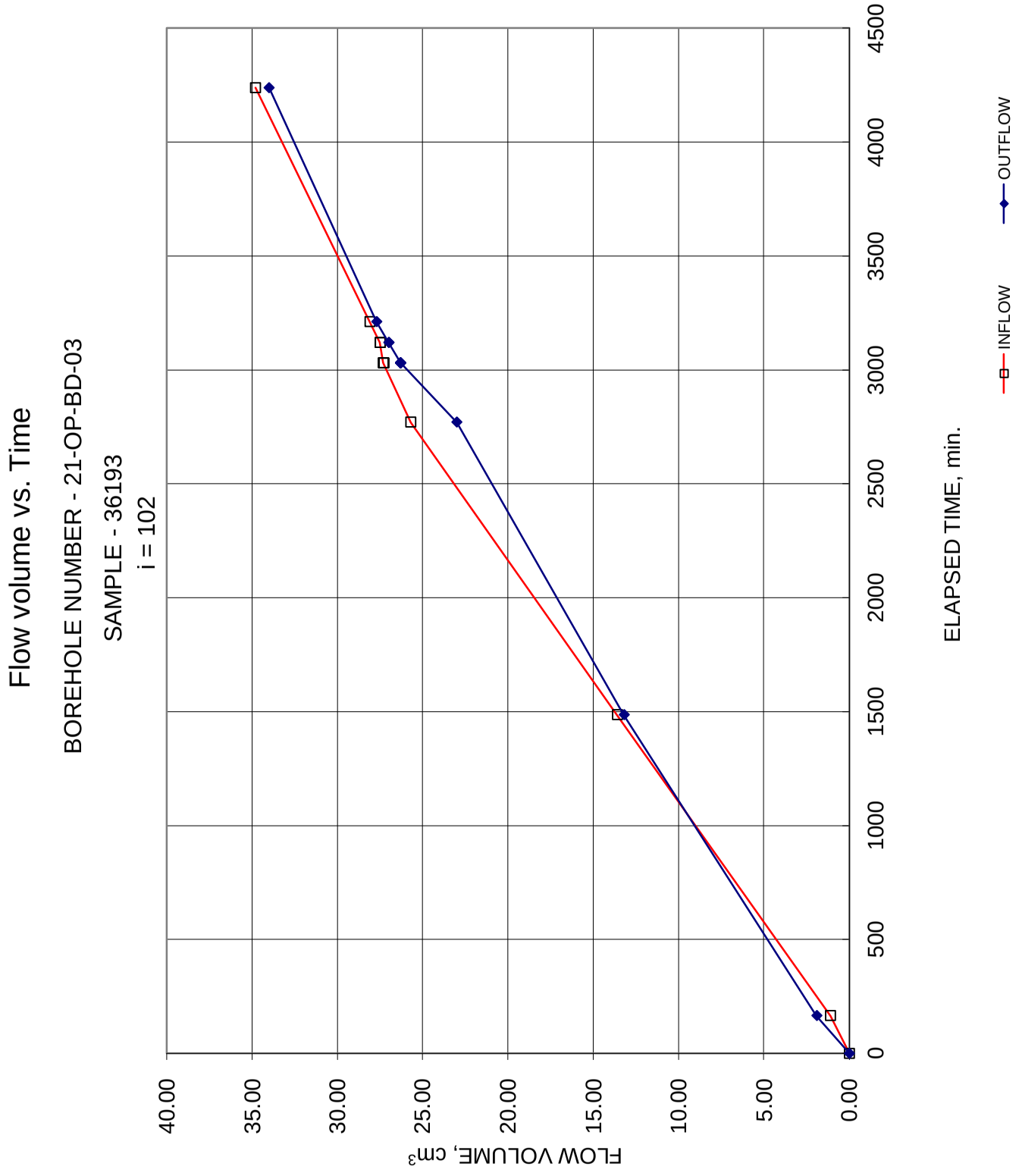
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: 21-OP-BD-03
Sample depth: 18.29-18.89



Project number : 21504835
Prepared by : SJ

Golder

Checked by : AH

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36193
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.29-18.89
BOREHOLE NUMBER	21-OP-BD-03	DATE	April 21, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	6.56	UNIT WEIGHT, kN/m^3	17.69
SAMPLE DIAMETER, cm	6.98	DRY UNIT WEIGHT, kN/m^3	12.92
SAMPLE AREA, cm^2	38.24	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	250.87	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	452.67	VOLUME OF VOIDS, cm^3	128.50
DRY MASS, g	330.42	VOID RATIO	1.05
WATER CONTENT, %	37.0		

SATURATION STAGE

CELL PRESSURE, kPa	70.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	60.00	DURATION, min	1,137
BACK PRESSURE, kPa	60.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	560.00	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	60.00	DURATION, min	1,180
BACK PRESSURE, kPa	60.00	VOLUME CHANGE, cm^3	27.90
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	6.32	SAMPLE AREA, cm^2	35.41
SAMPLE DIAMETER, cm	6.71	SAMPLE VOLUME, cm^3	223.66

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	684	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	184	DURATION, min	4171
BACK PRESSURE, kPa	60	HYDRAULIC GRADIENT, i	200

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	6.32	UNIT WEIGHT, kN/m^3	17.82
SAMPLE DIAMETER, cm	6.71	DRY UNIT WEIGHT, kN/m^3	14.49
SAMPLE AREA, cm^2	35.41	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	223.66	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	406.41	VOLUME OF VOIDS, cm^3	101.29
DRY MASS, g	330.42	VOID RATIO	0.83
WATER CONTENT, %	23.0		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	4171
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	52.9
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	56.8
INFLOW TO OUTFLOW RATIO	0.9
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	2.98E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	3.20E-10
HYDRAULIC CONDUCTIVITY, K, m/s	3.09E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**2.88E-10**

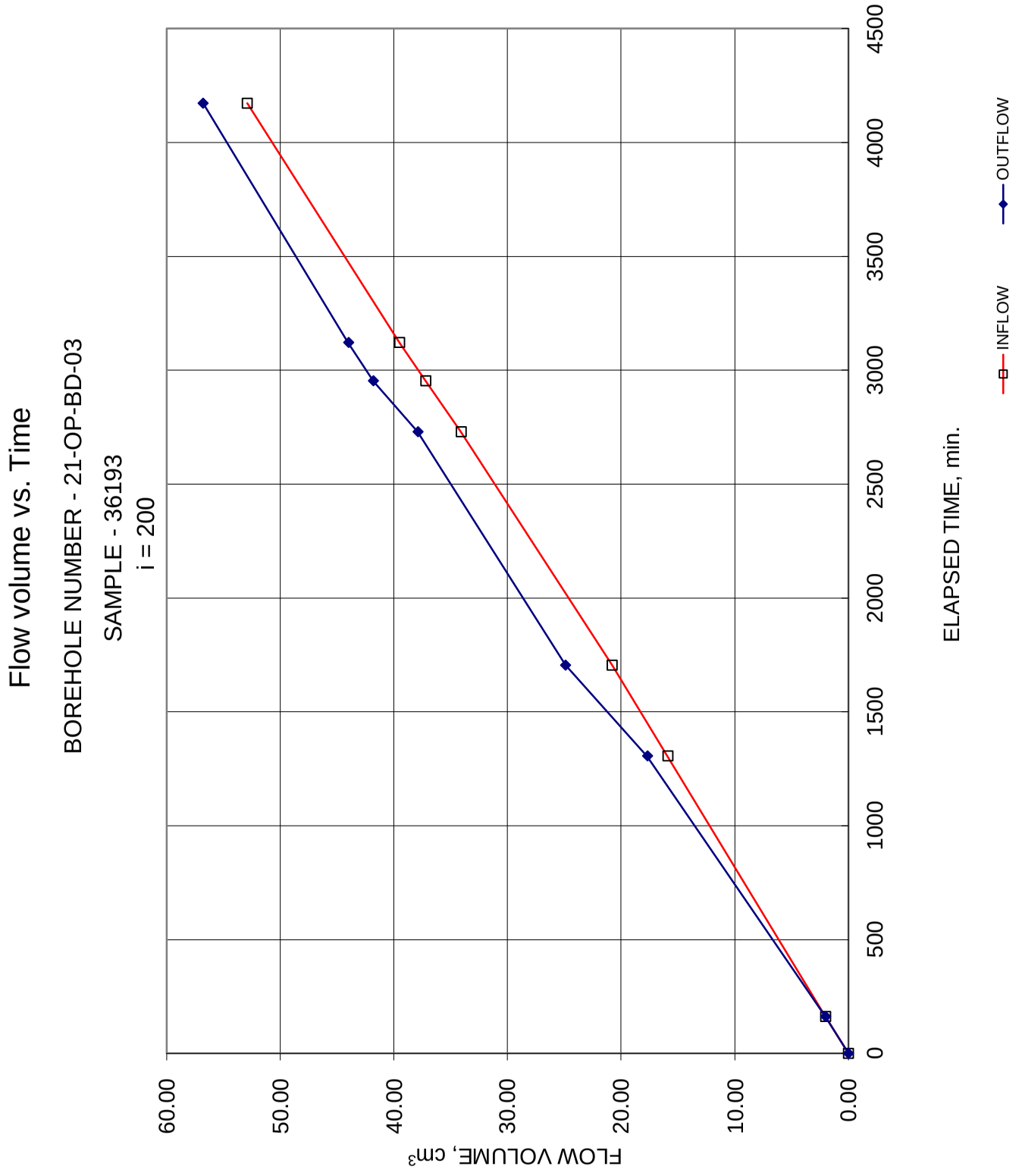
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: 21-OP-BD-03
Sample depth: 18.29-18.89



Project number : 21504835
Prepared by : SJ

Golder

Checked by : AH

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36193
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.29-18.89
BOREHOLE NUMBER	21-OP-BD-03	DATE	April 21, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	6.56	UNIT WEIGHT, kN/m^3	17.69
SAMPLE DIAMETER, cm	6.98	DRY UNIT WEIGHT, kN/m^3	12.92
SAMPLE AREA, cm^2	38.24	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	250.87	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	452.67	VOLUME OF VOIDS, cm^3	128.50
DRY MASS, g	330.42	VOID RATIO	1.05
WATER CONTENT, %	37.0		

SATURATION STAGE

CELL PRESSURE, kPa	70.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	60.00	DURATION, min	1,137
BACK PRESSURE, kPa	60.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	560.00	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	60.00	DURATION, min	1,180
BACK PRESSURE, kPa	60.00	VOLUME CHANGE, cm^3	27.90
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	6.32	SAMPLE AREA, cm^2	35.41
SAMPLE DIAMETER, cm	6.71	SAMPLE VOLUME, cm^3	223.66

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	808	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	308	DURATION, min	3926
BACK PRESSURE, kPa	60	HYDRAULIC GRADIENT, i	400

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	6.32	UNIT WEIGHT, kN/m^3	17.82
SAMPLE DIAMETER, cm	6.71	DRY UNIT WEIGHT, kN/m^3	14.49
SAMPLE AREA, cm^2	35.41	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	223.66	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	406.41	VOLUME OF VOIDS, cm^3	101.29
DRY MASS, g	330.42	VOID RATIO	0.83
WATER CONTENT, %	23.0		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	3926
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	95.0
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	95.7
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	2.84E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	2.87E-10
HYDRAULIC CONDUCTIVITY, K, m/s	2.86E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**2.66E-10**

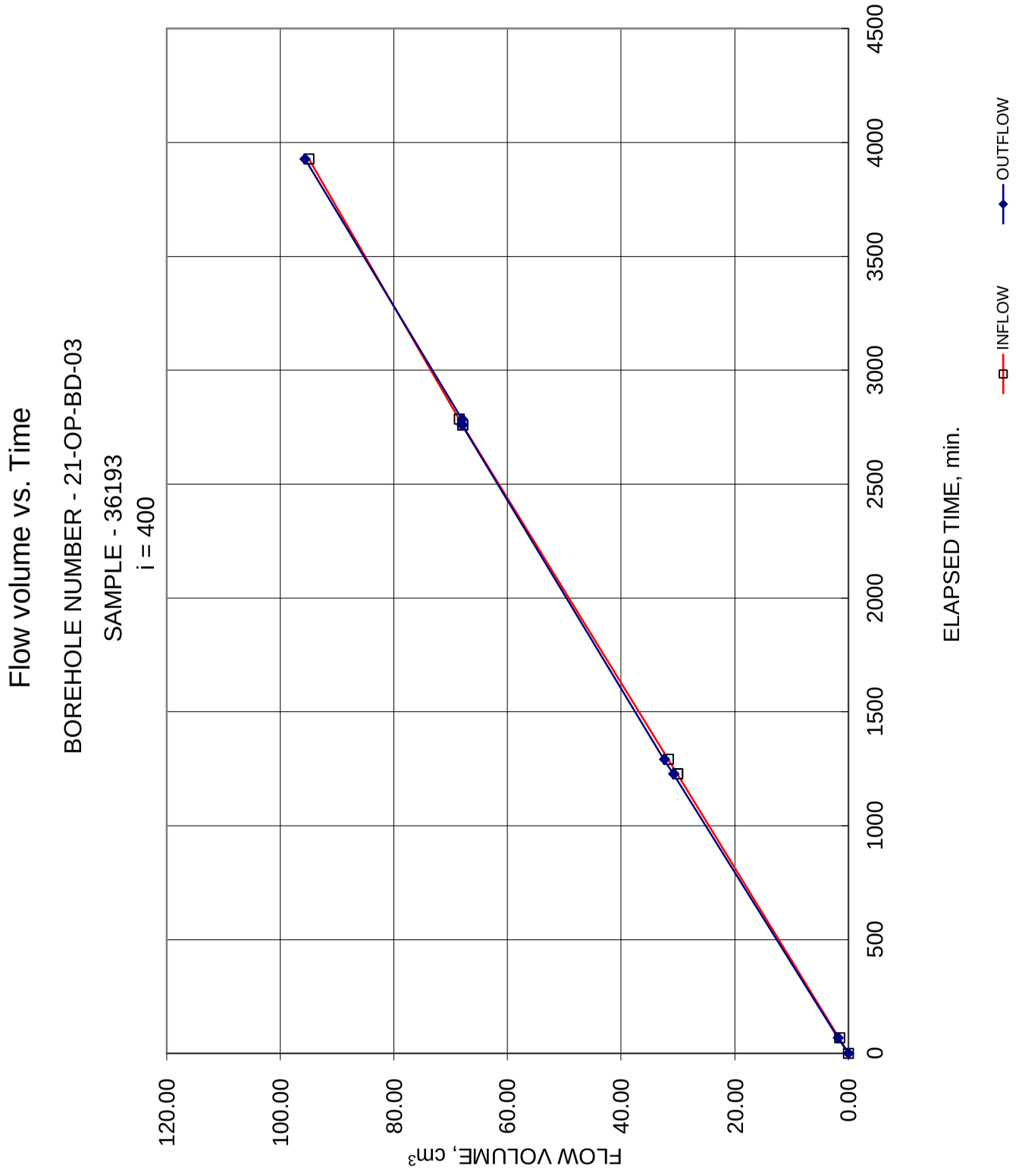
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: 21-OP-BD-03
Sample depth: 18.29-18.89



Project number : 21504835
Prepared by : SJ

Golder

Checked by : AH

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36193
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.29-18.89
BOREHOLE NUMBER	21-OP-BD-03	DATE	April 29, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	6.56	UNIT WEIGHT, kN/m^3	17.69
SAMPLE DIAMETER, cm	6.98	DRY UNIT WEIGHT, kN/m^3	12.92
SAMPLE AREA, cm^2	38.24	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	250.87	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	452.67	VOLUME OF VOIDS, cm^3	128.50
DRY MASS, g	330.42	VOID RATIO	1.05
WATER CONTENT, %	37.0		

SATURATION STAGE

CELL PRESSURE, kPa	70.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	60.00	DURATION, min	1,137
BACK PRESSURE, kPa	60.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	560.00	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	60.00	DURATION, min	1,180
BACK PRESSURE, kPa	60.00	VOLUME CHANGE, cm^3	27.90
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	6.32	SAMPLE AREA, cm^2	35.41
SAMPLE DIAMETER, cm	6.71	SAMPLE VOLUME, cm^3	223.66

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	961	EFFECTIVE CONSOLIDATION STRESS, kPa	500
HEAD PRESSURE, kPa	461	DURATION, min	2275
BACK PRESSURE, kPa	60	HYDRAULIC GRADIENT, i	647

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	6.32	UNIT WEIGHT, kN/m^3	17.82
SAMPLE DIAMETER, cm	6.71	DRY UNIT WEIGHT, kN/m^3	14.49
SAMPLE AREA, cm^2	35.41	SPECIFIC GRAVITY, assumed	2.70
SAMPLE VOLUME, cm^3	223.66	VOLUME OF SOLIDS, cm^3	122.38
TOTAL MASS, g	406.41	VOLUME OF VOIDS, cm^3	101.29
DRY MASS, g	330.42	VOID RATIO	0.83
WATER CONTENT, %	23.0		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	2275
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	85.0
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	84.4
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	2.72E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	2.70E-10
HYDRAULIC CONDUCTIVITY, K, m/s	2.71E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**2.52E-10**

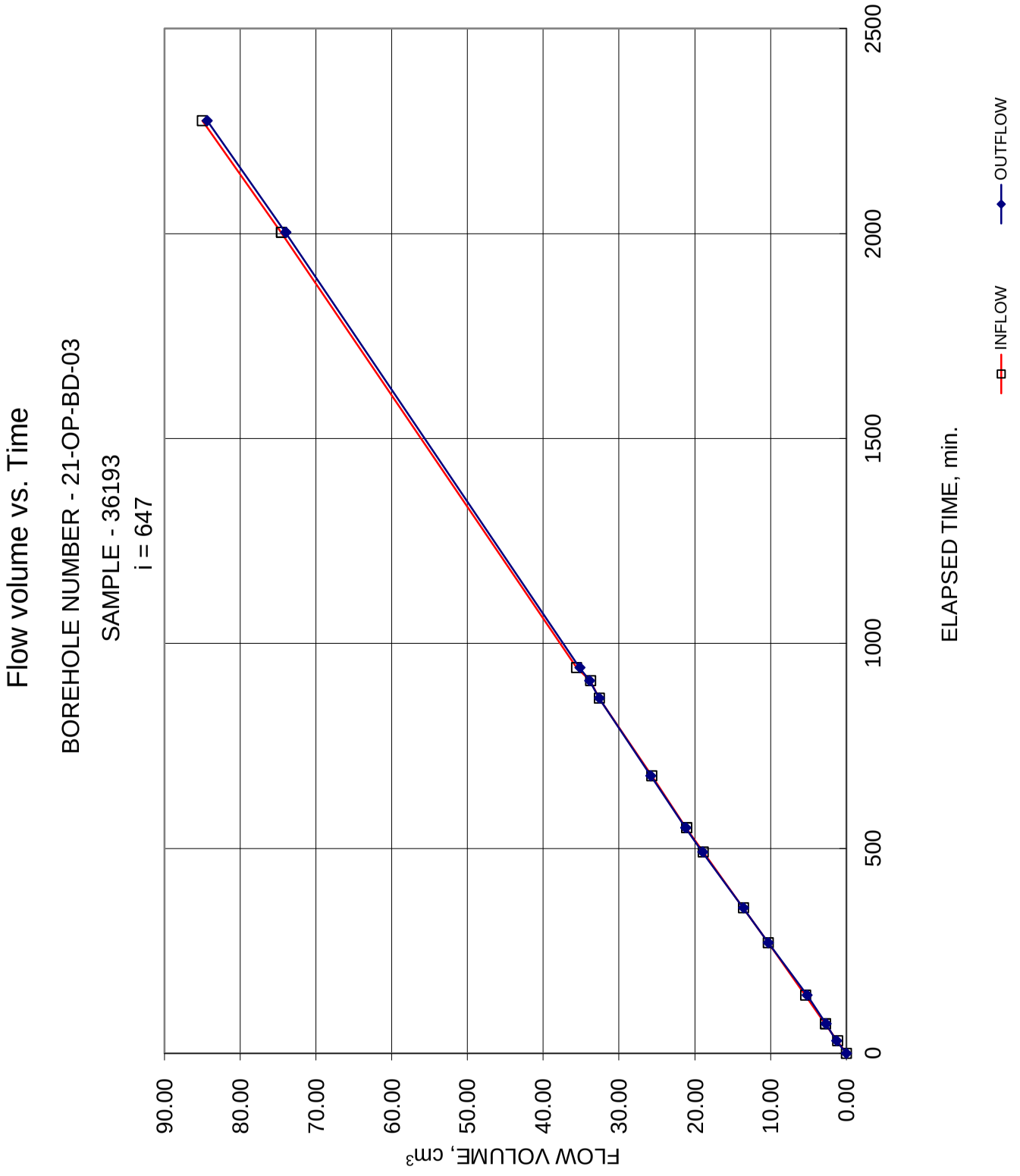
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: 21-OP-BD-03
Sample depth: 18.29-18.89



Project number : 21504835
Prepared by : SJ

Golder

Checked by : AH

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	58459
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	8.5-9.1
BOREHOLE NUMBER	SRK21-OP-BD-01	DATE	February 22, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	5.34	UNIT WEIGHT, kN/m^3	20.34
SAMPLE DIAMETER, cm	6.91	DRY UNIT WEIGHT, kN/m^3	16.59
SAMPLE AREA, cm^2	37.50	SPECIFIC GRAVITY, measured	2.73
SAMPLE VOLUME, cm^3	200.26	VOLUME OF SOLIDS, cm^3	124.11
TOTAL MASS, g	415.36	VOLUME OF VOIDS, cm^3	76.15
DRY MASS, g	338.82	VOID RATIO	0.61
WATER CONTENT, %	22.6		

SATURATION STAGE

CELL PRESSURE, kPa	210.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	200.00	DURATION, min	6,943
BACK PRESSURE, kPa	200.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	300.00	EFFECTIVE CONSOLIDATION STRESS, kPa	100
HEAD PRESSURE, kPa	200.00	DURATION, min	2,941
BACK PRESSURE, kPa	200.00	VOLUME CHANGE, cm^3	8.72
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	5.26	SAMPLE AREA, cm^2	36.41
SAMPLE DIAMETER, cm	6.81	SAMPLE VOLUME, cm^3	191.62

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	310	EFFECTIVE CONSOLIDATION STRESS, kPa	100
HEAD PRESSURE, kPa	210	DURATION, min	7130
BACK PRESSURE, kPa	200	HYDRAULIC GRADIENT, i	19

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	5.26	UNIT WEIGHT, kN/m^3	20.77
SAMPLE DIAMETER, cm	6.81	DRY UNIT WEIGHT, kN/m^3	17.34
SAMPLE AREA, cm^2	36.41	SPECIFIC GRAVITY, measured	2.73
SAMPLE VOLUME, cm^3	191.62	VOLUME OF SOLIDS, cm^3	124.11
TOTAL MASS, g	405.90	VOLUME OF VOIDS, cm^3	67.51
DRY MASS, g	338.82	VOID RATIO	0.54
WATER CONTENT, %	19.8		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	7130
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	2.8
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	3.4
INFLOW TO OUTFLOW RATIO	0.8
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	9.34E-11
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	1.13E-10
HYDRAULIC CONDUCTIVITY, K, m/s	1.03E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**9.62E-11**

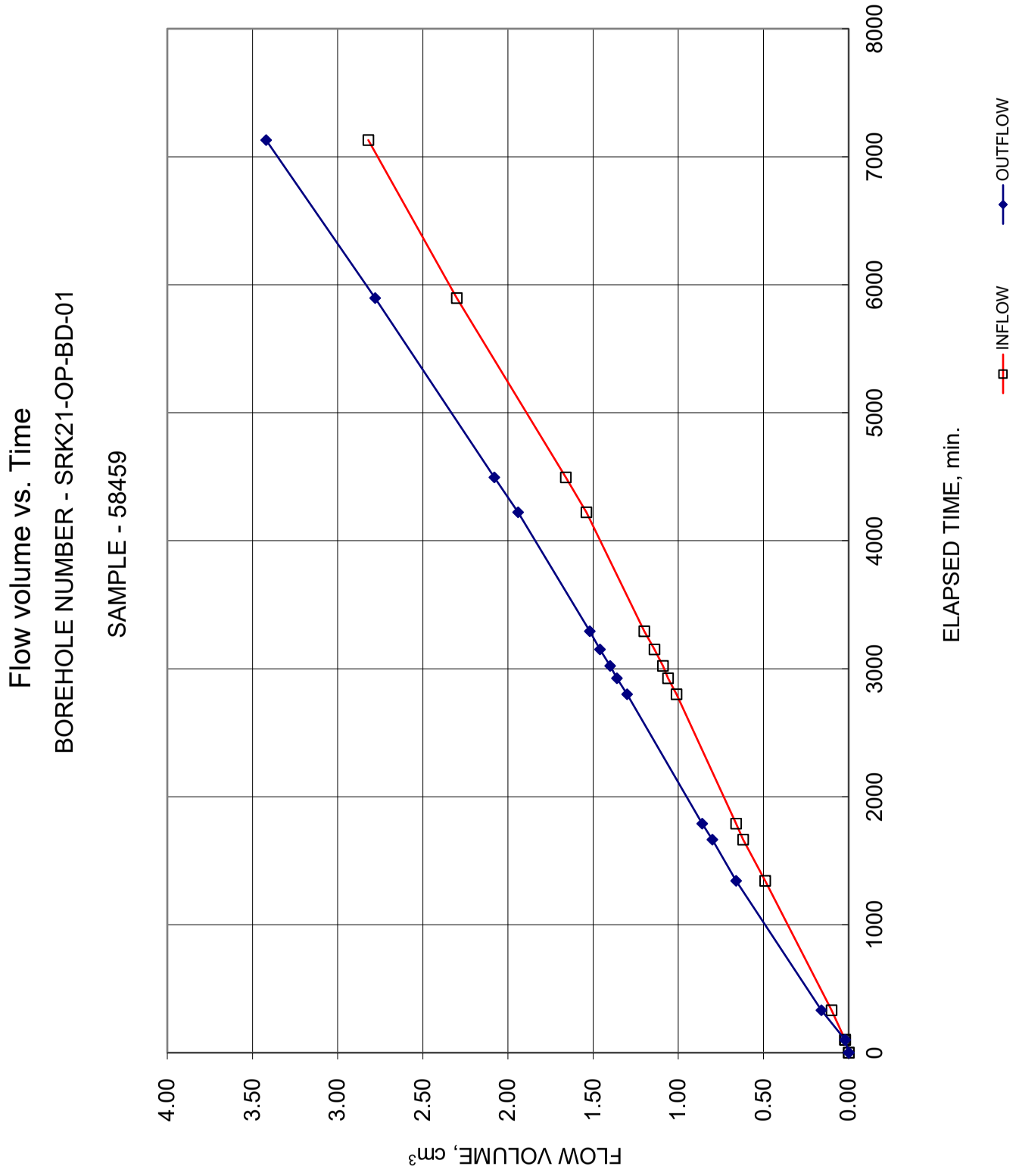
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: SRK21-OP-BD-01
Sample depth: 8.5-9.1



Project number : 21504835
Prepared by : SJ

Golder

Checked by : MM

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36204
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.0-18.6
BOREHOLE NUMBER	SRK21-OP-BH-09	DATE	February 22, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	7.22	UNIT WEIGHT, kN/m^3	18.41
SAMPLE DIAMETER, cm	6.67	DRY UNIT WEIGHT, kN/m^3	13.67
SAMPLE AREA, cm^2	34.94	SPECIFIC GRAVITY, measured	2.75
SAMPLE VOLUME, cm^3	252.28	VOLUME OF SOLIDS, cm^3	127.91
TOTAL MASS, g	473.52	VOLUME OF VOIDS, cm^3	124.37
DRY MASS, g	351.75	VOID RATIO	0.97
WATER CONTENT, %	34.6		

SATURATION STAGE

CELL PRESSURE, kPa	140.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	130.00	DURATION, min	5,578
BACK PRESSURE, kPa	130.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	280.00	EFFECTIVE CONSOLIDATION STRESS, kPa	150
HEAD PRESSURE, kPa	130.00	DURATION, min	1,691
BACK PRESSURE, kPa	130.00	VOLUME CHANGE, cm^3	14.03
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	7.09	SAMPLE AREA, cm^2	33.65
SAMPLE DIAMETER, cm	6.55	SAMPLE VOLUME, cm^3	238.42

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	294	EFFECTIVE CONSOLIDATION STRESS, kPa	150
HEAD PRESSURE, kPa	144	DURATION, min	5784
BACK PRESSURE, kPa	130	HYDRAULIC GRADIENT, i	20

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	7.09	UNIT WEIGHT, kN/m^3	#VALUE!
SAMPLE DIAMETER, cm	6.55	DRY UNIT WEIGHT, kN/m^3	14.47
SAMPLE AREA, cm^2	33.65	SPECIFIC GRAVITY, measured	2.75
SAMPLE VOLUME, cm^3	238.42	VOLUME OF SOLIDS, cm^3	127.91
TOTAL MASS, g	-	VOLUME OF VOIDS, cm^3	110.51
DRY MASS, g	351.75	VOID RATIO	0.86
WATER CONTENT, %	#VALUE!		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	5784
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	6.2
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	6.0
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	2.64E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	2.54E-10
HYDRAULIC CONDUCTIVITY, K, m/s	2.59E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**2.41E-10**

NOTES:

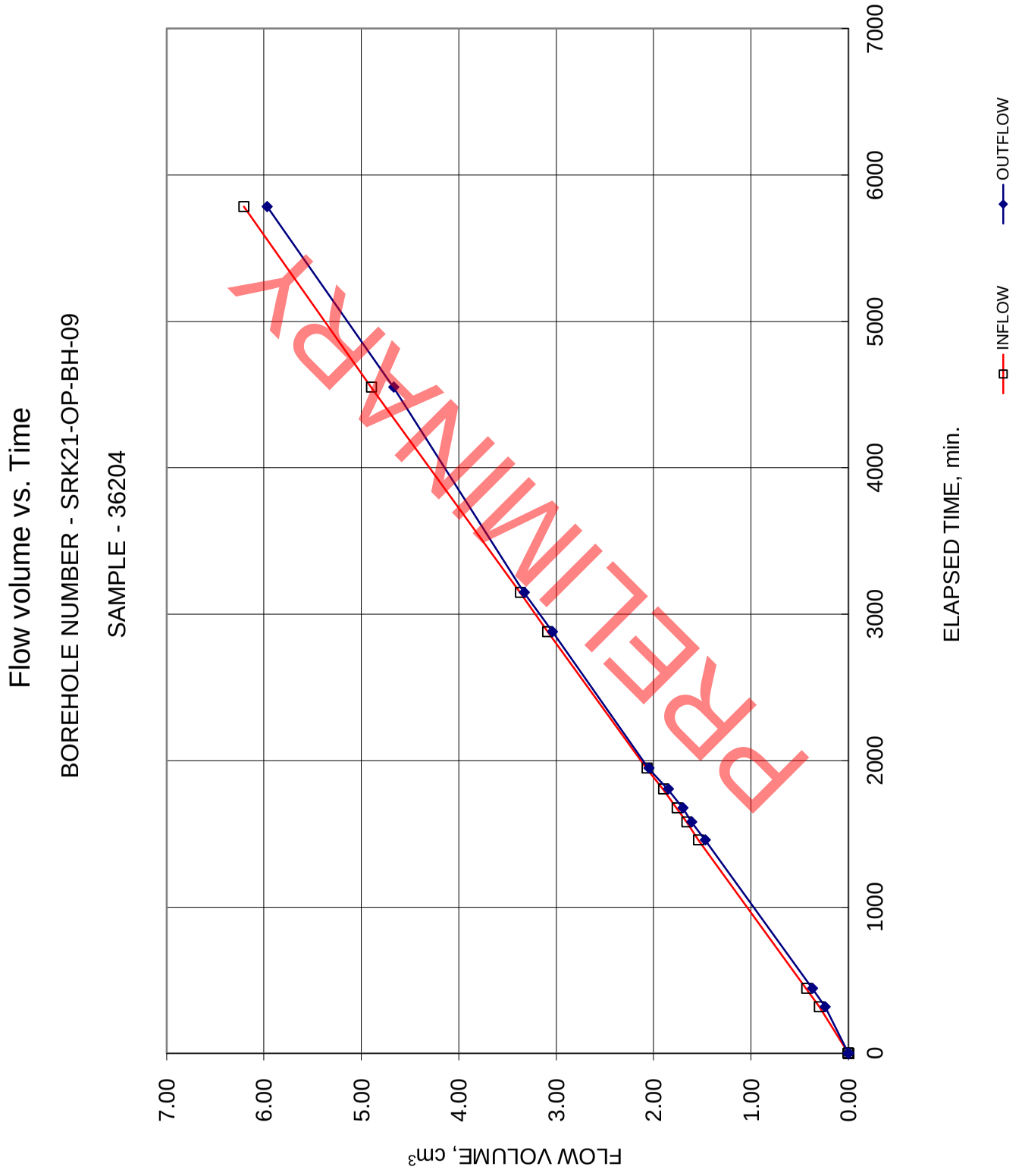
Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

PRELIMINARY

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: SRK21-OP-BH-09
Sample depth: 18.0-18.6



Project number : 21504835
Prepared by :

Golder

Checked by :

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36204
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.0-18.6
BOREHOLE NUMBER	SRK21-OP-BH-09	DATE	March 8, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	7.22	UNIT WEIGHT, kN/m^3	18.41
SAMPLE DIAMETER, cm	6.67	DRY UNIT WEIGHT, kN/m^3	13.67
SAMPLE AREA, cm^2	34.94	SPECIFIC GRAVITY, measured	2.75
SAMPLE VOLUME, cm^3	252.28	VOLUME OF SOLIDS, cm^3	127.91
TOTAL MASS, g	473.52	VOLUME OF VOIDS, cm^3	124.37
DRY MASS, g	351.75	VOID RATIO	0.97
WATER CONTENT, %	34.6		

SATURATION STAGE

CELL PRESSURE, kPa	140.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	130.00	DURATION, min	5,578
BACK PRESSURE, kPa	130.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	280.00	EFFECTIVE CONSOLIDATION STRESS, kPa	150
HEAD PRESSURE, kPa	130.00	DURATION, min	1,691
BACK PRESSURE, kPa	130.00	VOLUME CHANGE, cm^3	14.03
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	7.09	SAMPLE AREA, cm^2	33.65
SAMPLE DIAMETER, cm	6.55	SAMPLE VOLUME, cm^3	238.42

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	315	EFFECTIVE CONSOLIDATION STRESS, kPa	150
HEAD PRESSURE, kPa	165	DURATION, min	10345
BACK PRESSURE, kPa	130	HYDRAULIC GRADIENT, **i**	**50**

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	7.09	UNIT WEIGHT, kN/m^3	#VALUE!
SAMPLE DIAMETER, cm	6.55	DRY UNIT WEIGHT, kN/m^3	14.47
SAMPLE AREA, cm^2	33.65	SPECIFIC GRAVITY, measured	2.75
SAMPLE VOLUME, cm^3	238.42	VOLUME OF SOLIDS, cm^3	127.91
TOTAL MASS, g	-	VOLUME OF VOIDS, cm^3	110.51
DRY MASS, g	351.75	VOID RATIO	0.86
WATER CONTENT, %	#VALUE!		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	10345
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	25.1
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	25.4
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	2.38E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	2.42E-10
HYDRAULIC CONDUCTIVITY, K, m/s	2.40E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**2.24E-10**

NOTES:

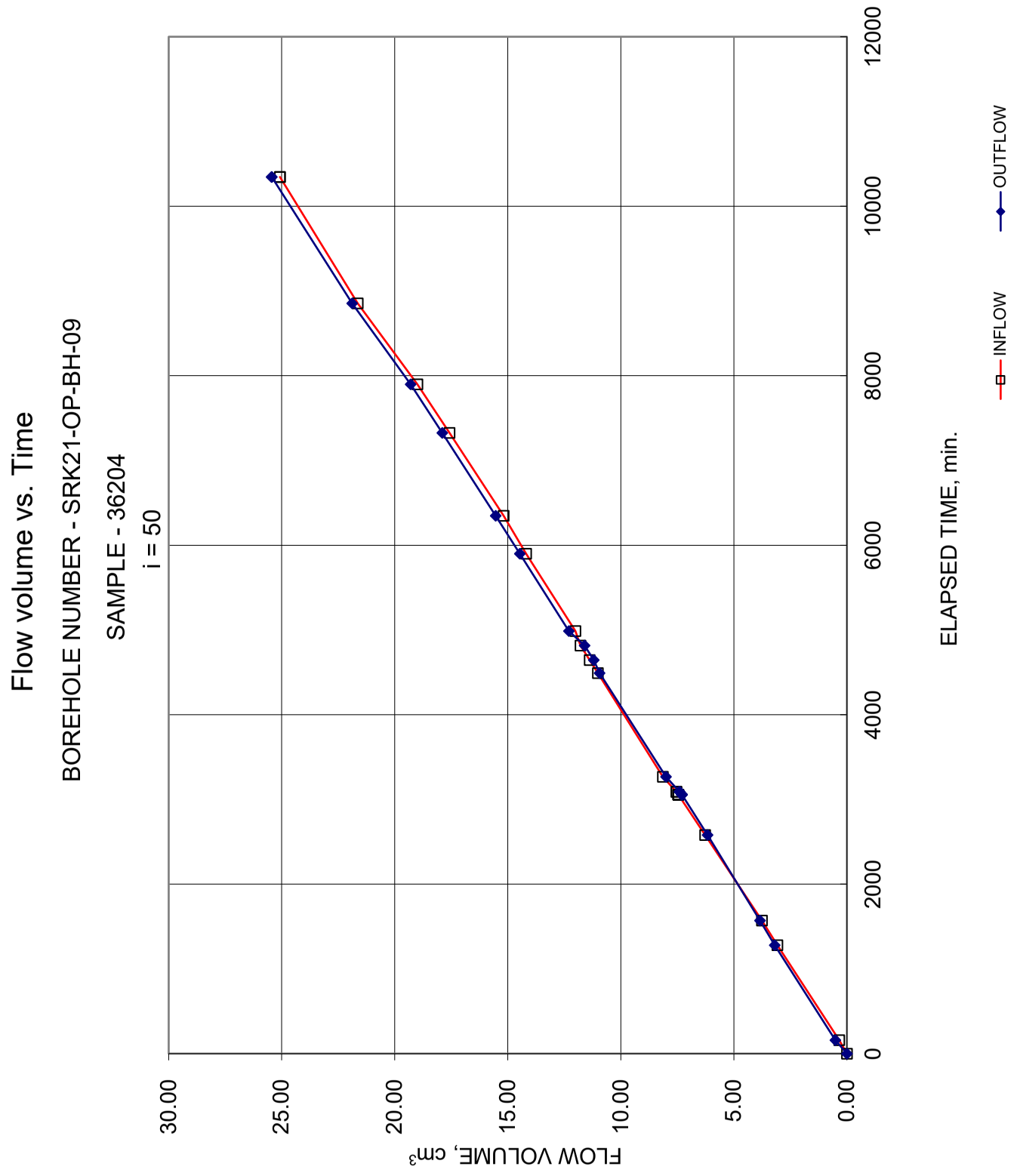
Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

Prepared By: **Golder** Checked By:

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: SRK21-OP-BH-09
Sample depth: 18.0-18.6



Project number : 21504835
Prepared by :

Golder

Checked by :

HYDRAULIC CONDUCTIVITY TEST

ASTM D 5084 (CONSTANT HEAD - Method A)

SAMPLE IDENTIFICATION

PROJECT NUMBER	21504835	SAMPLE	36204
PROJECT TITLE	SRK_LabSoilTesting_Crawford	SAMPLE DEPTH, m	18.0-18.6
BOREHOLE NUMBER	SRK21-OP-BH-09	DATE	March 14, 2022

SPECIMEN PROPERTIES AND DIMENSIONS (INITIAL)

SAMPLE HEIGHT, cm	7.22	UNIT WEIGHT, kN/m^3	18.41
SAMPLE DIAMETER, cm	6.67	DRY UNIT WEIGHT, kN/m^3	13.67
SAMPLE AREA, cm^2	34.94	SPECIFIC GRAVITY, measured	2.75
SAMPLE VOLUME, cm^3	252.28	VOLUME OF SOLIDS, cm^3	127.91
TOTAL MASS, g	473.52	VOLUME OF VOIDS, cm^3	124.37
DRY MASS, g	351.75	VOID RATIO	0.97
WATER CONTENT, %	34.6		

SATURATION STAGE

CELL PRESSURE, kPa	140.00	EFFECTIVE CONSOLIDATION STRESS, kPa	10
HEAD PRESSURE, kPa	130.00	DURATION, min	5,578
BACK PRESSURE, kPa	130.00	B COEFFICIENT	0.96

CONSOLIDATION STAGE

CELL PRESSURE, kPa	280.00	EFFECTIVE CONSOLIDATION STRESS, kPa	150
HEAD PRESSURE, kPa	130.00	DURATION, min	1,691
BACK PRESSURE, kPa	130.00	VOLUME CHANGE, cm^3	14.03
		DRAINAGE	Top and Bottom

SPECIMEN PROPERTIES AND DIMENSIONS (AFTER CONSOLIDATION)

SAMPLE HEIGHT, cm	7.09	SAMPLE AREA, cm^2	33.65
SAMPLE DIAMETER, cm	6.55	SAMPLE VOLUME, cm^3	238.42

HYDRAULIC CONDUCTIVITY STAGE

CELL PRESSURE, kPa	322	EFFECTIVE CONSOLIDATION STRESS, kPa	150
HEAD PRESSURE, kPa	172	DURATION, min	8415
BACK PRESSURE, kPa	130	HYDRAULIC GRADIENT, i	**60**

SPECIMEN PROPERTIES AND DIMENSIONS (FINAL)

SAMPLE HEIGHT, cm	7.09	UNIT WEIGHT, kN/m^3	18.53
SAMPLE DIAMETER, cm	6.55	DRY UNIT WEIGHT, kN/m^3	14.47
SAMPLE AREA, cm^2	33.65	SPECIFIC GRAVITY, measured	2.75
SAMPLE VOLUME, cm^3	238.42	VOLUME OF SOLIDS, cm^3	127.91
TOTAL MASS, g	450.52	VOLUME OF VOIDS, cm^3	110.51
DRY MASS, g	351.75	VOID RATIO	0.86
WATER CONTENT, %	28.1		

TEST RESULTS

ELAPSED TIME TO STEADY STATE FLOW (min)	0.0
DURATION OF STEADY STATE FLOW (min)	8415
INFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	23.7
OUTFLOW VOLUME UNDER STEADY STATE FLOW (cm^3)	23.4
INFLOW TO OUTFLOW RATIO	1.0
HYDRAULIC CONDUCTIVITY (INFLOW) (m/s)	2.30E-10
HYDRAULIC CONDUCTIVITY (OUTFLOW) (m/s)	2.28E-10
HYDRAULIC CONDUCTIVITY, K, m/s	2.29E-10
HYDRAULIC CONDUCTIVITY AT STANDARD TEMPERATURE, K_{20}, m/s	**2.13E-10**

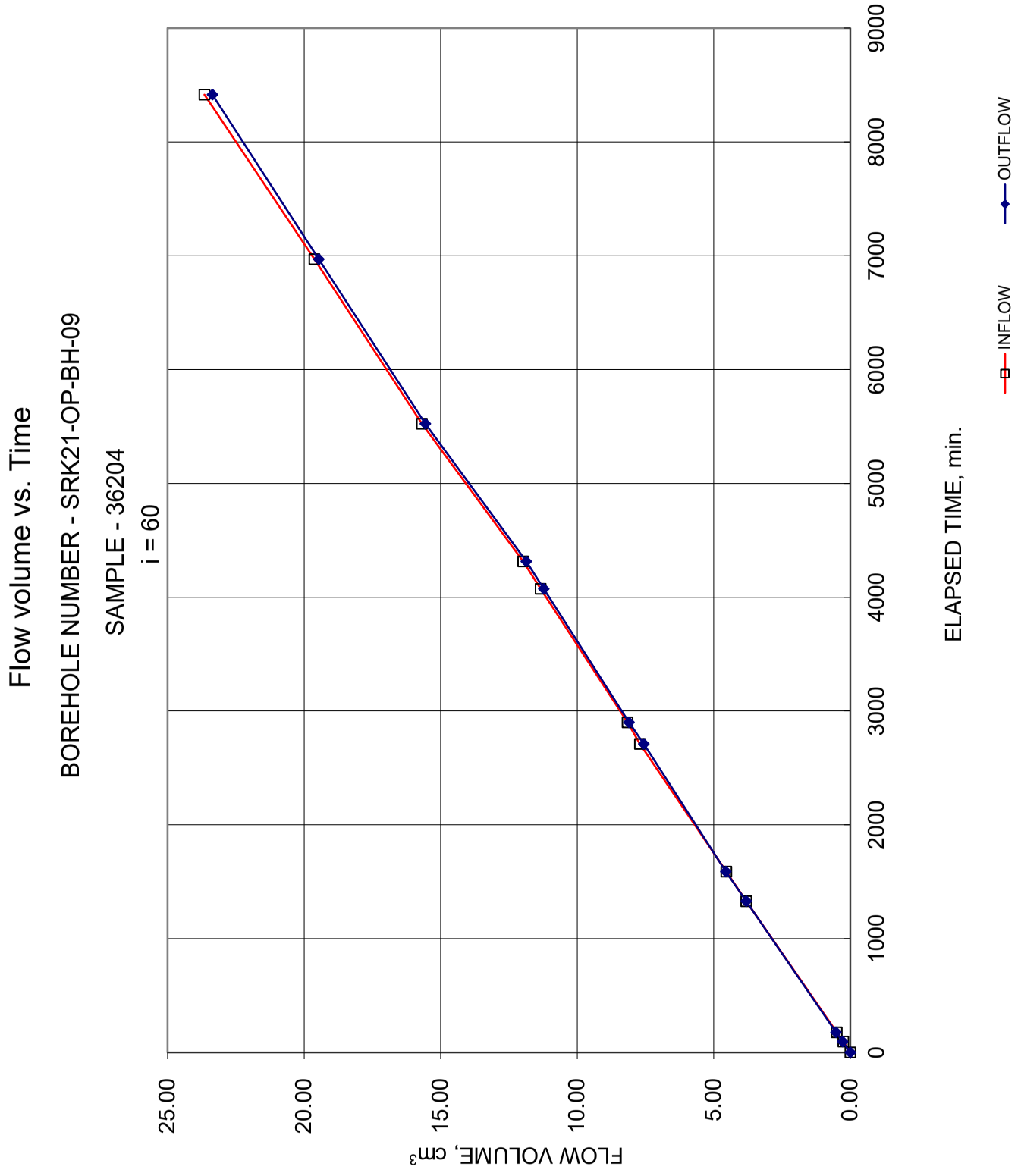
NOTES:

Effective consolidation stress assigned, by client.

PERMEANT FLUID	Deaired tap water
AVERAGE TEST TEMPERATURE	23.0 °C

HYDRAULIC CONDUCTIVITY TEST

Project title: SRK_LabSoilTesting_Crawford
Borehole number: SRK21-OP-BH-09
Sample depth: 18.0-18.6



Project number : 21504835
Prepared by : AH

Golder

Checked by : MM

Appendix E.3 One Dimensional Consolidation Tests

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	35237
Borehole Number	LGS-BH-08	Sample Depth, m	5.49-6.10

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	10		
Date Started	04/29/2022		
Date Completed	05/10/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.53	Unit Weight, kN/m^3	19.49
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	15.29
Area, cm^2	31.59	Specific Gravity, measured	2.73
Volume, cm^3	80.02	Solids Height, cm	1.447
Water Content, %	27.46	Volume of Solids, cm^3	45.71
Wet Mass, g	159.04	Volume of Voids, cm^3	34.31
Dry Mass, g	124.78	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.533	0.751	2.533				
6.04	2.521	0.742	2.527	3197	4.23E-04	7.78E-04	3.23E-08
10.78	2.516	0.739	2.519	2160	6.23E-04	4.33E-04	2.64E-08
20.51	2.502	0.729	2.509	2381	5.61E-04	5.56E-04	3.05E-08
39.93	2.479	0.713	2.490	1500	8.77E-04	4.78E-04	4.10E-08
78.79	2.439	0.686	2.459	2089	6.14E-04	4.00E-04	2.41E-08
156.28	2.379	0.644	2.409	1882	6.54E-04	3.06E-04	1.96E-08
311.39	2.306	0.594	2.343	1411	8.25E-04	1.86E-04	1.50E-08
621.37	2.229	0.541	2.268	673	1.62E-03	9.81E-05	1.56E-08
1241.80	2.155	0.489	2.192	614	1.66E-03	4.72E-05	7.68E-09
2480.44	2.085	0.441	2.120	346	2.75E-03	2.24E-05	6.05E-09
621.37	2.094	0.447	2.089				
156.28	2.112	0.459	2.103				
39.99	2.136	0.477	2.124				
10.68	2.165	0.496	2.150				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-8cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

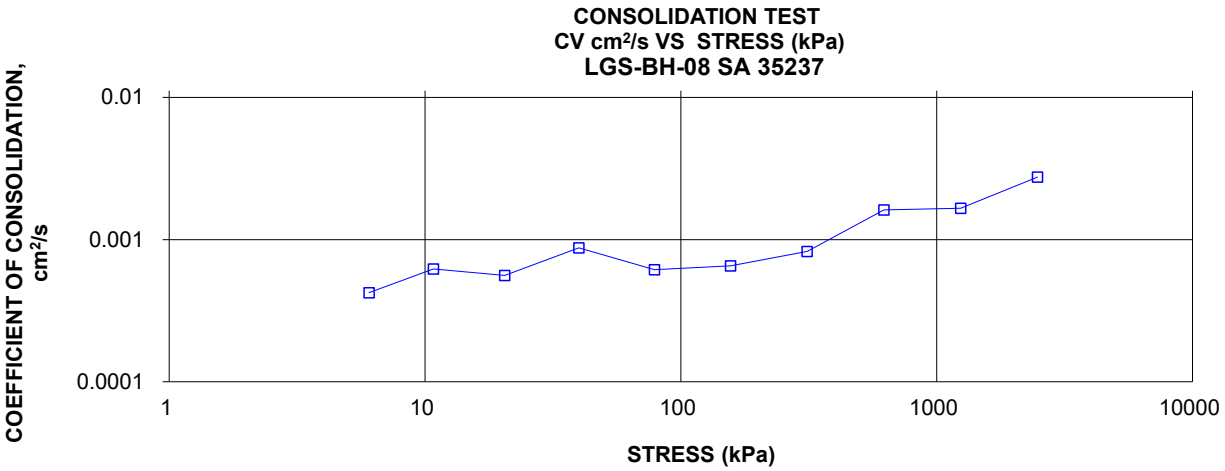
Sample Height, cm	2.16	Unit Weight, kN/m^3	21.27
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	17.90
Area, cm^2	31.59	Specific Gravity, measured	2.73
Volume, cm^3	68.38	Solids Height, cm	1.447
Water Content, %	18.86	Volume of Solids, cm^3	45.71
Wet Mass, g	148.31	Volume of Voids, cm^3	22.67
Dry Mass, g	124.78		

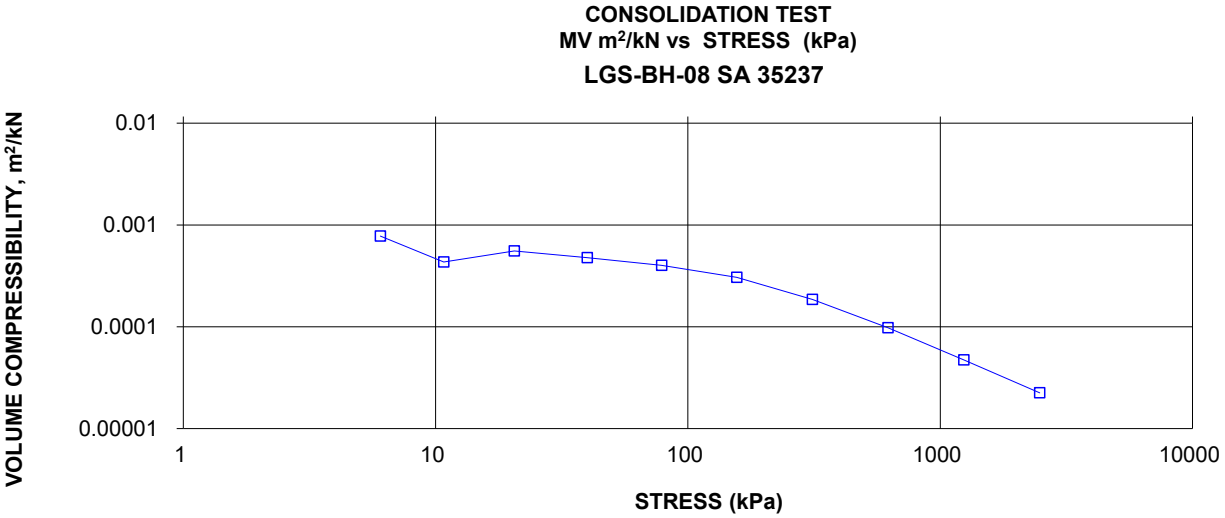
Prepared By: LH

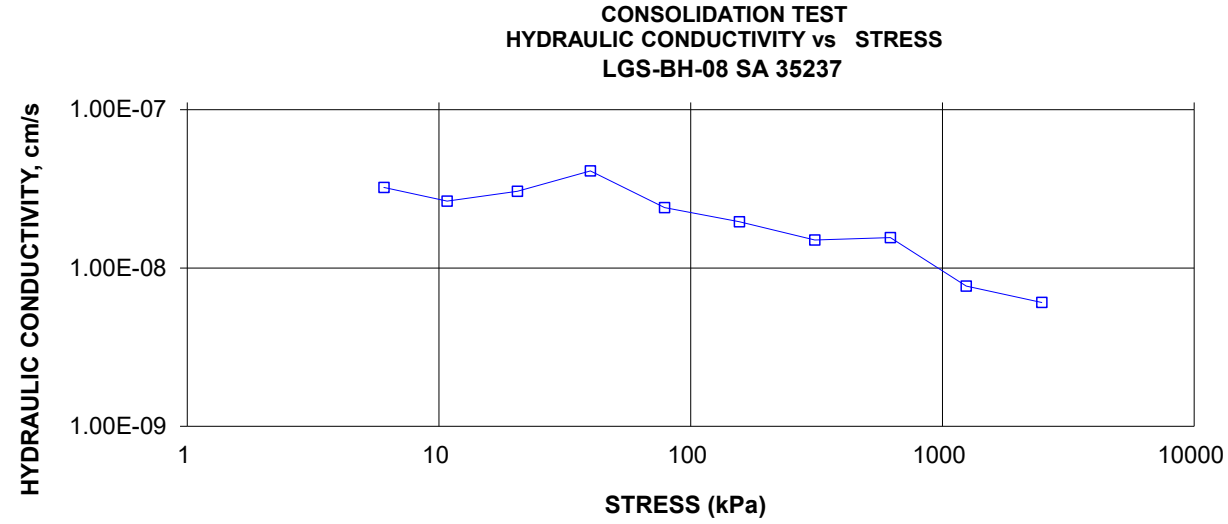
Golder Associates

Checked By:MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

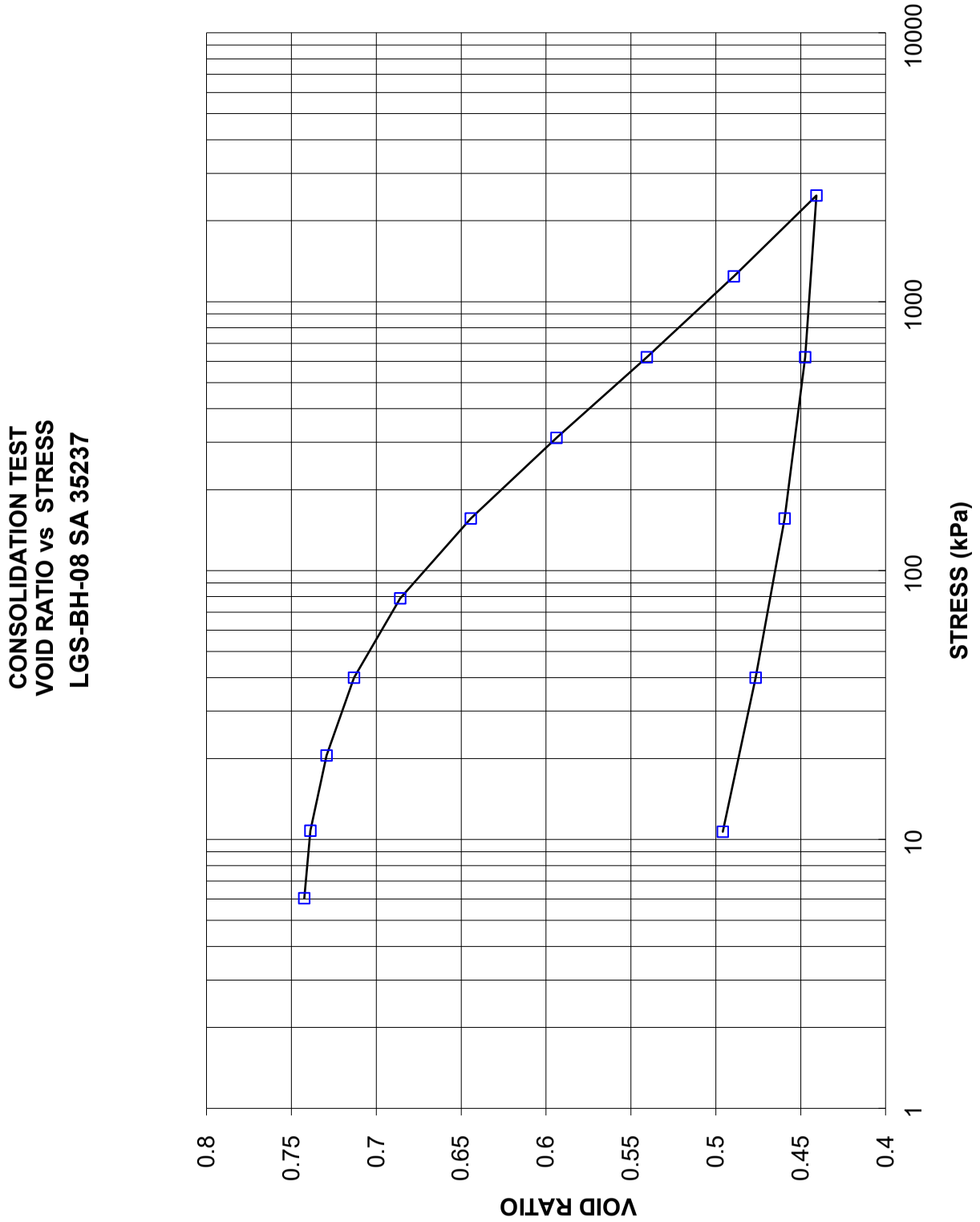
Prepared By: LH

Golder Associates

Checked By:MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



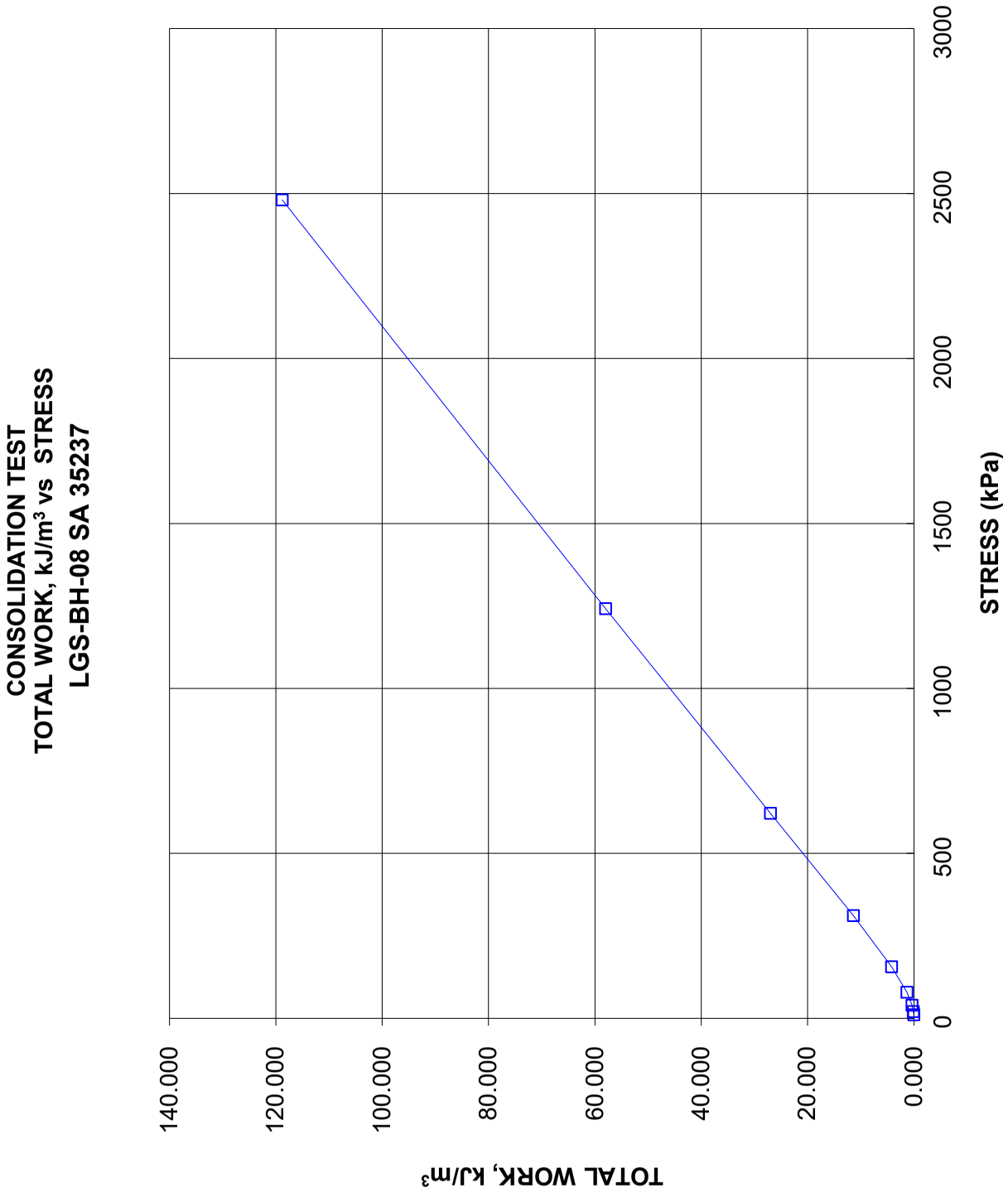
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	35240
Borehole Number	LGS-BH-08	Sample Depth, m	11.59-12.20

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	11		
Date Started	04/29/2022		
Date Completed	05/11/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	16.38
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	10.39
Area, cm^2	31.56	Specific Gravity, measured	2.75
Volume, cm^3	80.22	Solids Height, cm	0.980
Water Content, %	57.58	Volume of Solids, cm^3	30.92
Wet Mass, g	133.99	Volume of Voids, cm^3	49.30
Dry Mass, g	85.03	Degree of Saturation, %	99.3

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.542	1.595	2.542				
5.91	2.499	1.551	2.521	7935	1.70E-04	2.84E-03	4.73E-08
10.69	2.482	1.533	2.491	9830	1.34E-04	1.42E-03	1.86E-08
20.76	2.448	1.499	2.465	10613	1.21E-04	1.33E-03	1.58E-08
40.02	2.392	1.442	2.420	11676	1.06E-04	1.14E-03	1.19E-08
78.89	2.309	1.357	2.351	8213	1.43E-04	8.43E-04	1.18E-08
156.37	2.200	1.246	2.255	6615	1.63E-04	5.51E-04	8.80E-09
311.28	2.074	1.116	2.137	4541	2.13E-04	3.22E-04	6.73E-09
621.89	1.952	0.992	2.013	2982	2.88E-04	1.54E-04	4.36E-09
1240.78	1.839	0.877	1.895	1591	4.79E-04	7.16E-05	3.36E-09
2481.68	1.735	0.771	1.787	1270	5.33E-04	3.29E-05	1.72E-09
621.89	1.765	0.802	1.750				
156.32	1.822	0.860	1.794				
40.02	1.881	0.920	1.852				
10.85	1.919	0.958	1.900				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-13cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	1.92	Unit Weight, kN/m^3	18.56
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	13.77
Area, cm^2	31.56	Specific Gravity, measured	2.75
Volume, cm^3	60.55	Solids Height, cm	0.980
Water Content, %	34.79	Volume of Solids, cm^3	30.92
Wet Mass, g	114.61	Volume of Voids, cm^3	29.63
Dry Mass, g	85.03		

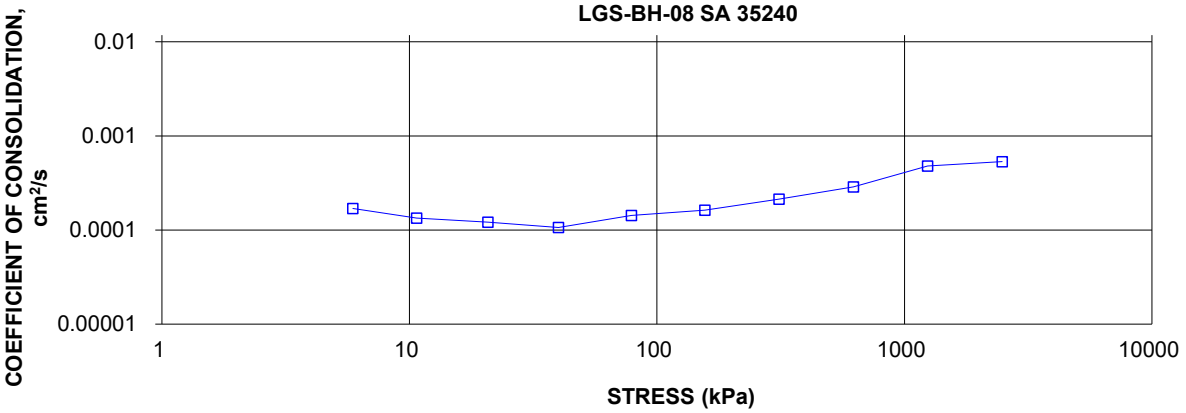
Prepared By: LH

Golder Associates

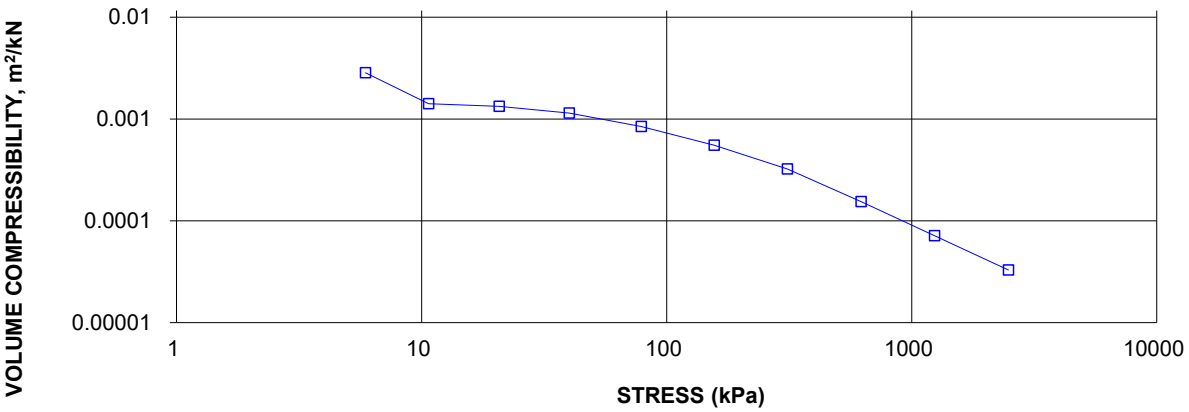
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

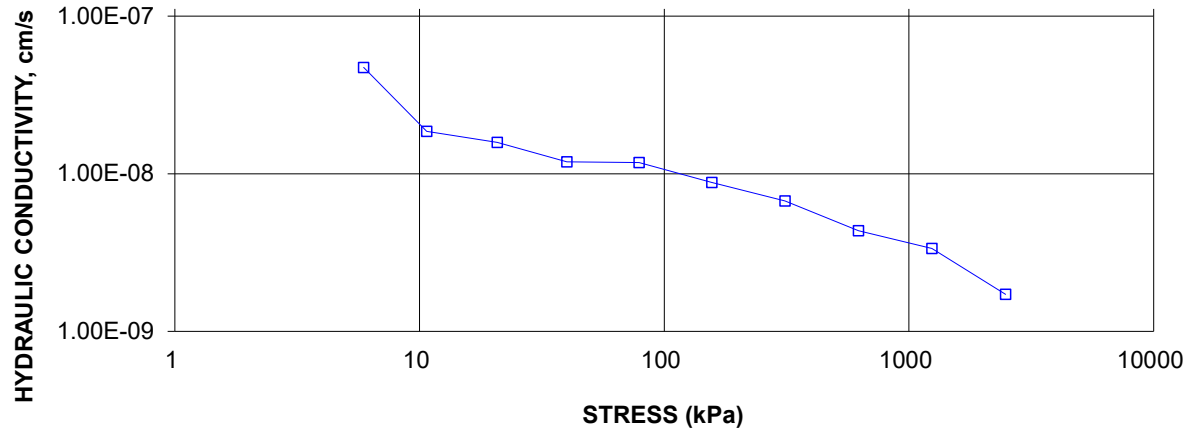
CONSOLIDATION TEST
CV cm^2/s VS STRESS (kPa)
LGS-BH-08 SA 35240



CONSOLIDATION TEST
MV m^2/kN vs STRESS (kPa)
LGS-BH-08 SA 35240



CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
LGS-BH-08 SA 35240



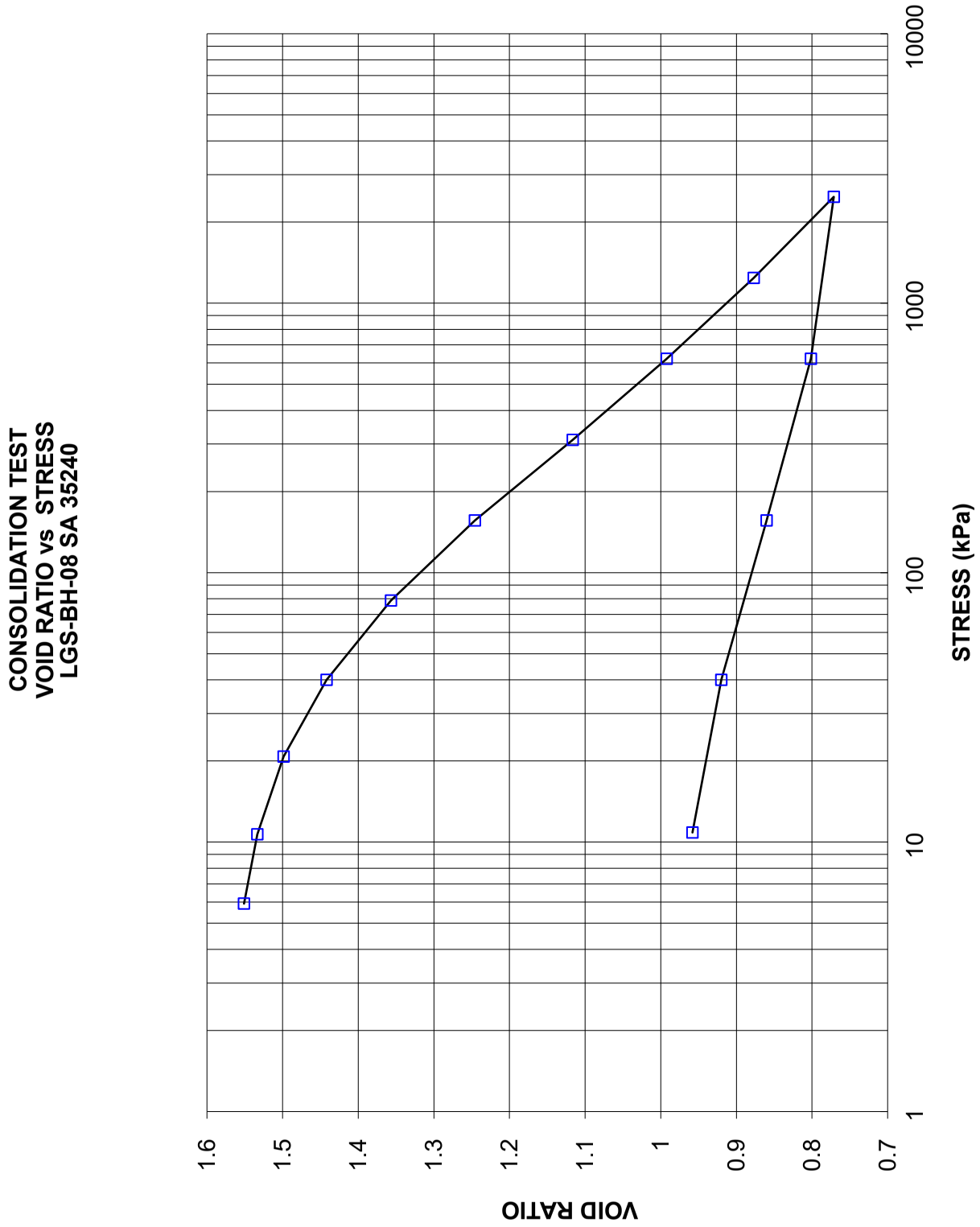
Project No. 21504835(2000)

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST VOID RATIO VS LOG STRESS	FIGURE



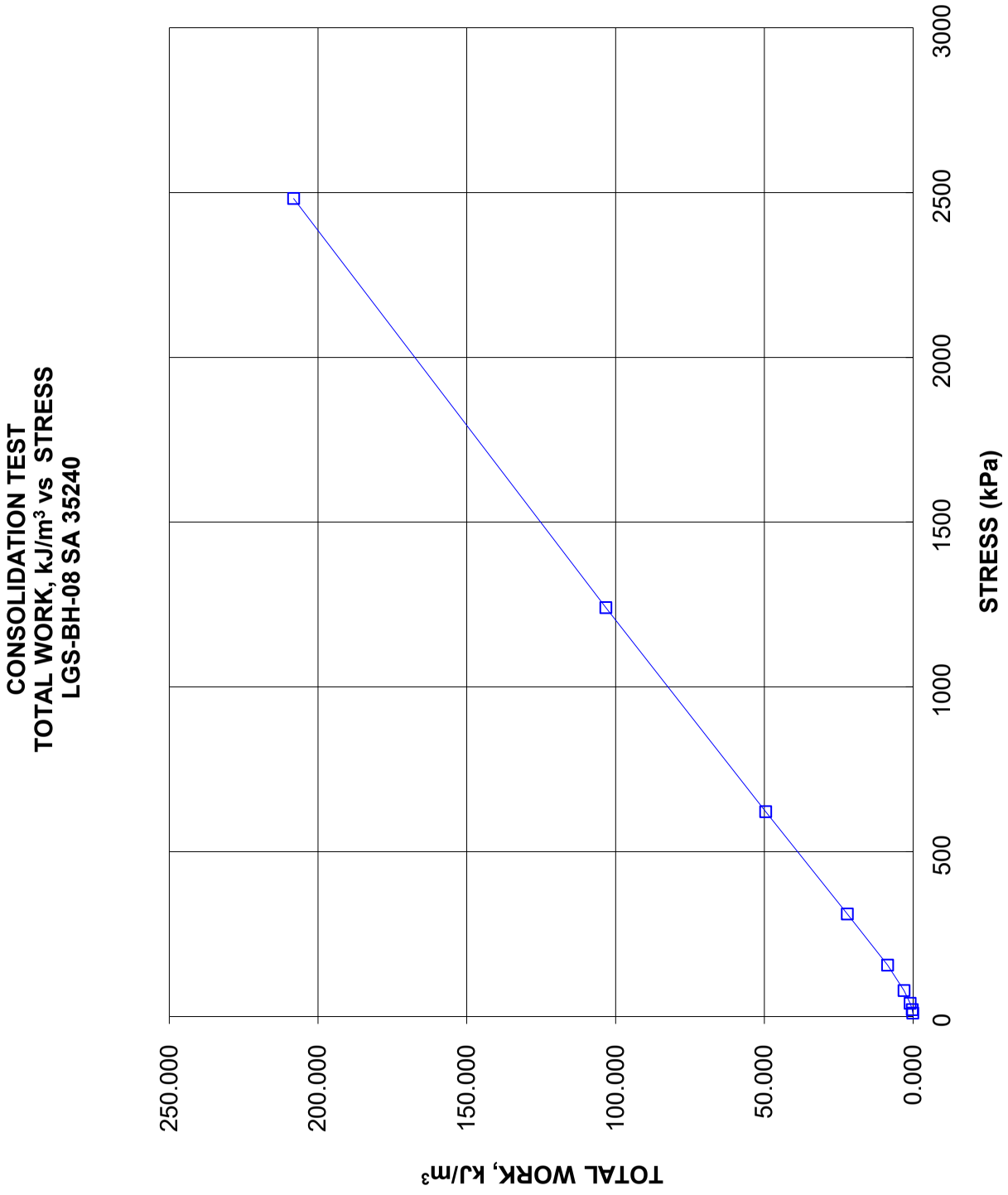
Project No.21504835(2000)

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No.21504835(2000)

Golder Associates

Prepared By: LH

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	35243
Borehole Number	LGS-BH-08	Sample Depth, m	17.68-18.29

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	12		
Date Started	04/29/2022		
Date Completed	05/10/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	17.66
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	12.35
Area, cm^2	31.61	Specific Gravity, measured	2.75
Volume, cm^3	80.29	Solids Height, cm	1.163
Water Content, %	43.02	Volume of Solids, cm^3	36.77
Wet Mass, g	144.61	Volume of Voids, cm^3	43.52
Dry Mass, g	101.11	Degree of Saturation, %	100.0

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.540	1.184	2.540				
5.98	2.500	1.149	2.520	4284	3.14E-04	2.62E-03	8.07E-08
10.64	2.491	1.141	2.495	1500	8.80E-04	8.20E-04	7.07E-08
20.56	2.464	1.118	2.477	4646	2.80E-04	1.05E-03	2.88E-08
39.88	2.422	1.083	2.443	4699	2.69E-04	8.50E-04	2.24E-08
78.65	2.366	1.034	2.394	2898	4.19E-04	5.72E-04	2.35E-08
156.00	2.299	0.976	2.333	1750	6.59E-04	3.42E-04	2.21E-08
310.89	2.219	0.908	2.259	1215	8.90E-04	2.04E-04	1.78E-08
620.85	2.130	0.831	2.175	714	1.40E-03	1.12E-04	1.55E-08
1240.19	2.042	0.756	2.086	505	1.83E-03	5.61E-05	1.00E-08
2479.23	1.957	0.683	2.000	240	3.53E-03	2.69E-05	9.32E-09
620.85	1.970	0.694	1.964				
156.16	1.994	0.714	1.982				
39.88	2.026	0.742	2.010				
10.63	2.059	0.770	2.042				

.

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 3-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	2.06	Unit Weight, kN/m^3	19.59
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	15.24
Area, cm^2	31.61	Specific Gravity, measured	2.75
Volume, cm^3	65.07	Solids Height, cm	1.163
Water Content, %	28.57	Volume of Solids, cm^3	36.77
Wet Mass, g	130.00	Volume of Voids, cm^3	28.31
Dry Mass, g	101.11		

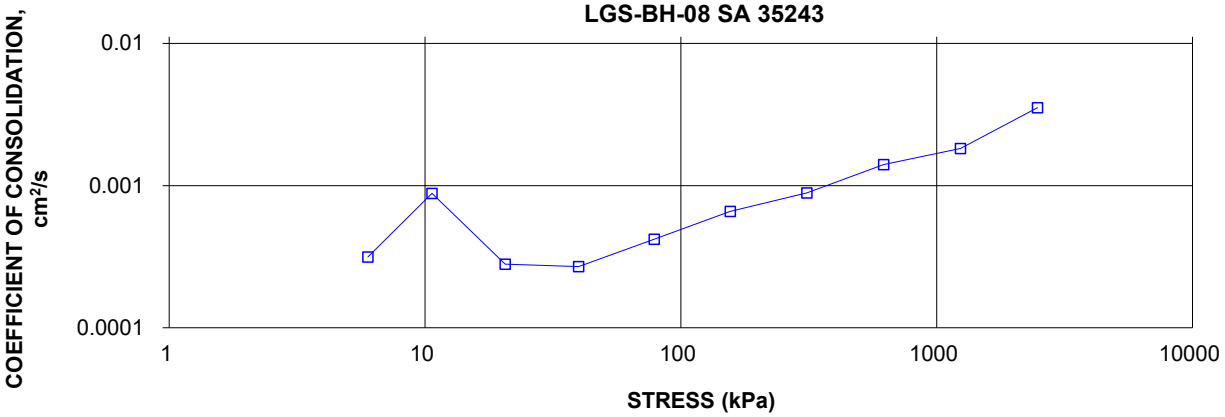
Prepared By: LH

Golder Associates

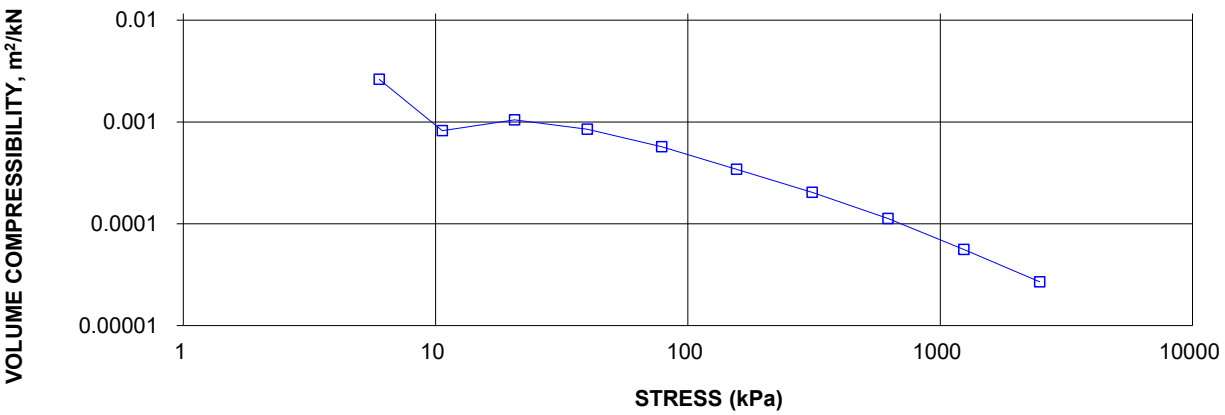
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

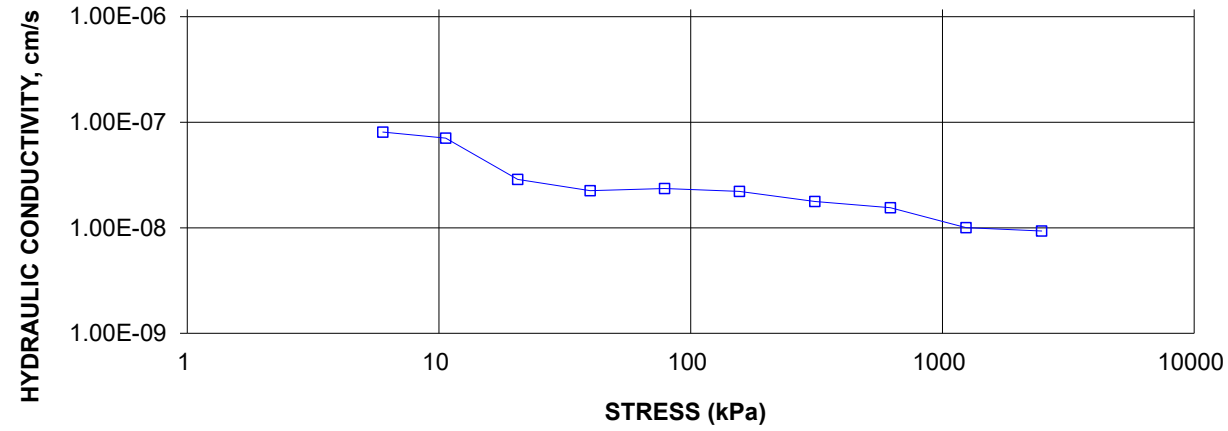
CONSOLIDATION TEST
CV cm^2/s VS STRESS (kPa)
LGS-BH-08 SA 35243



CONSOLIDATION TEST
MV m^2/kN vs STRESS (kPa)
LGS-BH-08 SA 35243



CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
LGS-BH-08 SA 35243



Project No. 21504835

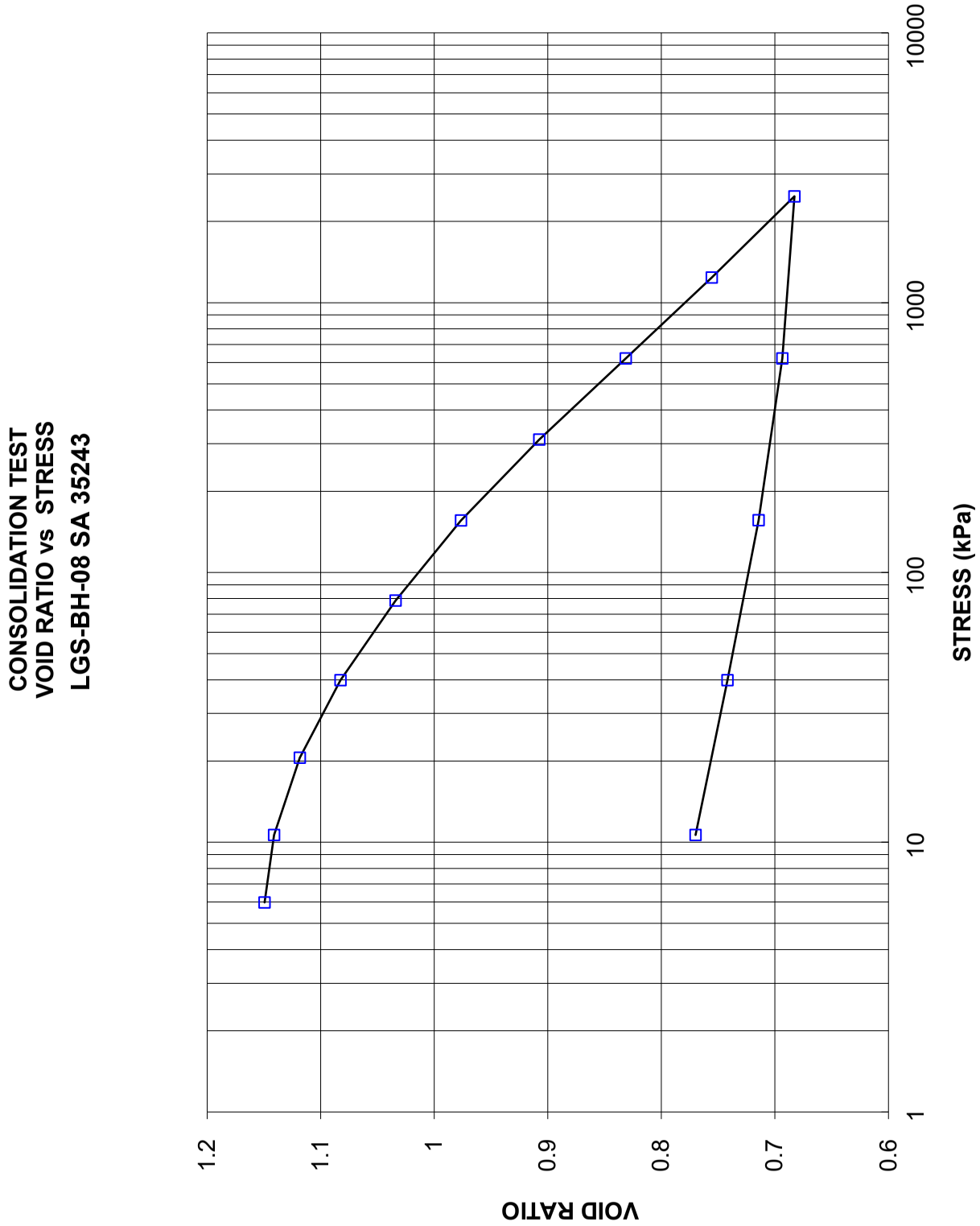
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



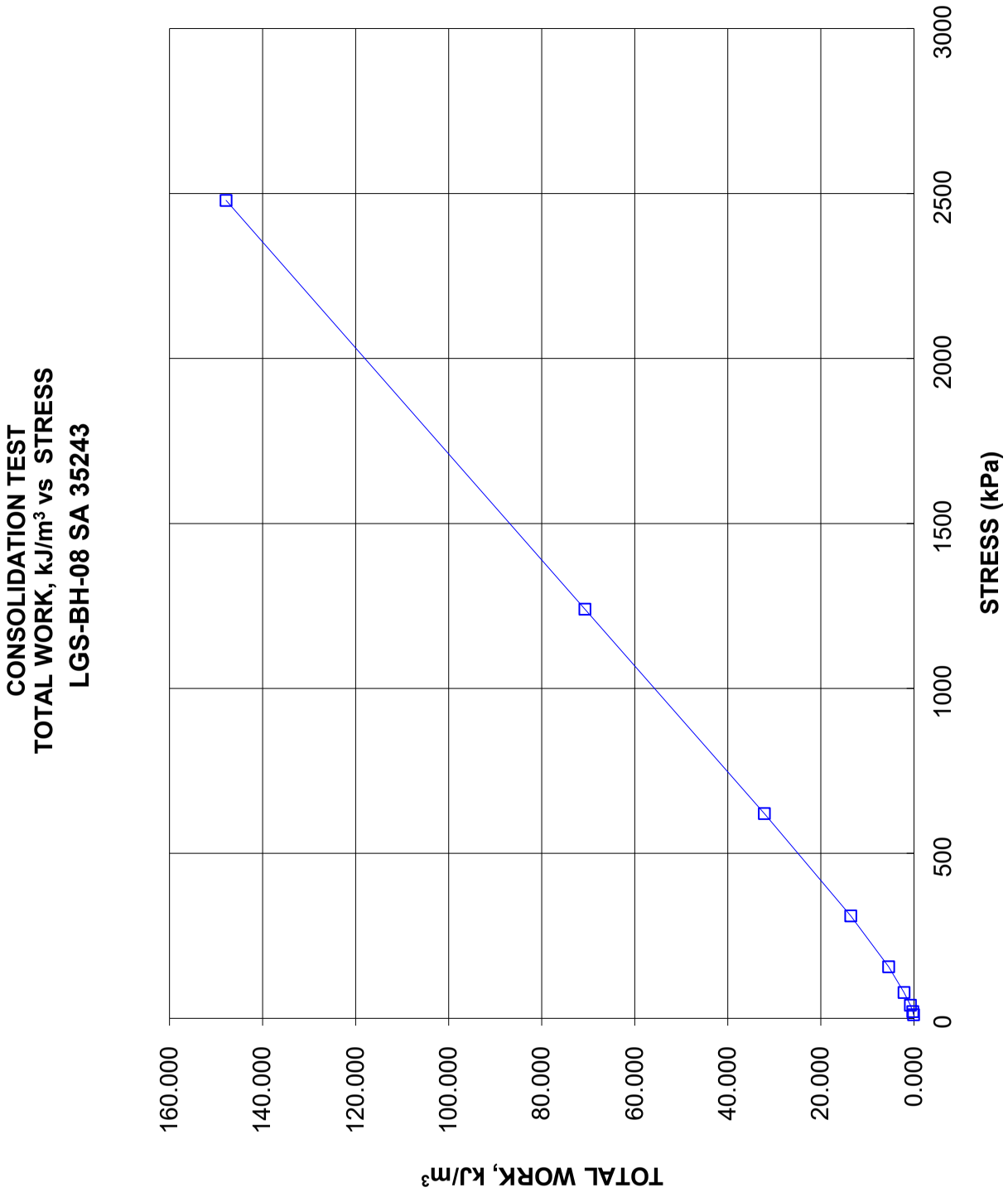
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	167785
Borehole Number	OP-BH-02	Sample Depth, m	11.89-12.50

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	8		
Date Started	05/11/2022		
Date Completed	05/25/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	1.91	Unit Weight, kN/m^3	17.83
Sample Diameter, cm	6.35	Dry Unit Weight, kN/m^3	12.65
Area, cm^2	31.63	Specific Gravity, measured	2.74
Volume, cm^3	60.38	Solids Height, cm	0.899
Water Content, %	40.92	Volume of Solids, cm^3	28.43
Wet Mass, g	109.78	Volume of Voids, cm^3	31.95
Dry Mass, g	77.90	Degree of Saturation, %	99.8

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	1.909	1.124	1.909				
6.32	1.909	1.124	1.909	11	7.02E-02	9.12E-06	6.28E-08
11.09	1.896	1.109	1.902	2344	3.27E-04	1.46E-03	4.69E-08
21.04	1.884	1.096	1.890	2233	3.39E-04	6.02E-04	2.00E-08
40.35	1.863	1.073	1.874	1815	4.10E-04	5.60E-04	2.25E-08
79.14	1.827	1.033	1.845	1270	5.68E-04	4.90E-04	2.73E-08
156.44	1.777	0.977	1.802	1188	5.79E-04	3.41E-04	1.94E-08
311.21	1.715	0.908	1.746	844	7.66E-04	2.08E-04	1.56E-08
620.73	1.650	0.836	1.683	437	1.37E-03	1.11E-04	1.49E-08
1240.60	1.582	0.760	1.616	240	2.31E-03	5.76E-05	1.30E-08
2479.36	1.515	0.686	1.549	217	2.34E-03	2.81E-05	6.45E-09
620.73	1.525	0.696	1.520				
156.44	1.549	0.723	1.537				
40.35	1.573	0.750	1.561				
11.16	1.601	0.781	1.587				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 1-4cm from top of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	1.60	Unit Weight, kN/m^3	19.51
Sample Diameter, cm	6.35	Dry Unit Weight, kN/m^3	15.08
Area, cm^2	31.63	Specific Gravity, measured	2.74
Volume, cm^3	50.65	Solids Height, cm	0.899
Water Content, %	29.32	Volume of Solids, cm^3	28.43
Wet Mass, g	100.74	Volume of Voids, cm^3	22.22
Dry Mass, g	77.90		

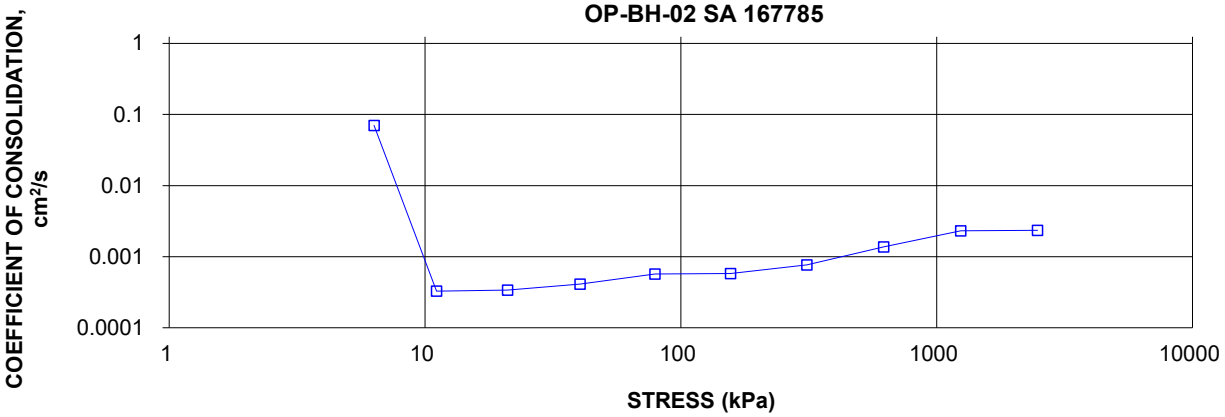
Prepared By: LH

Golder Associates

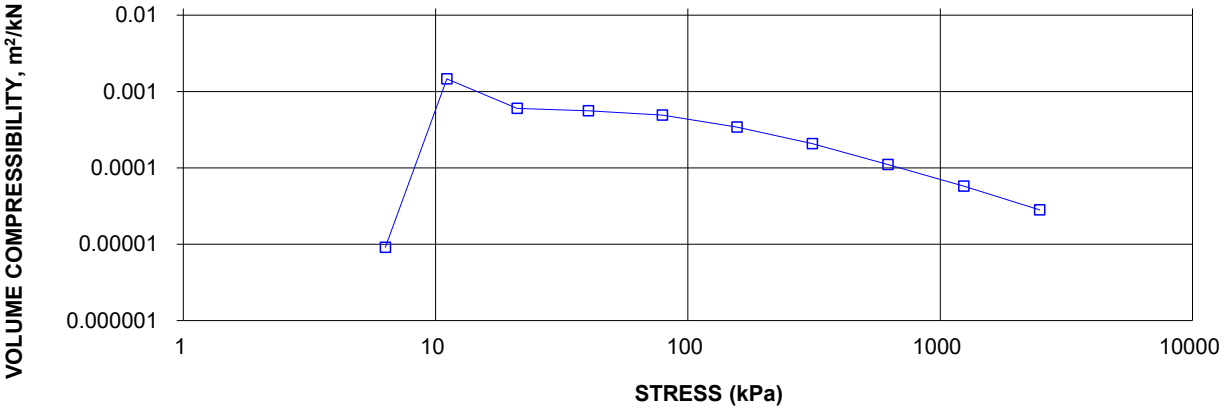
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

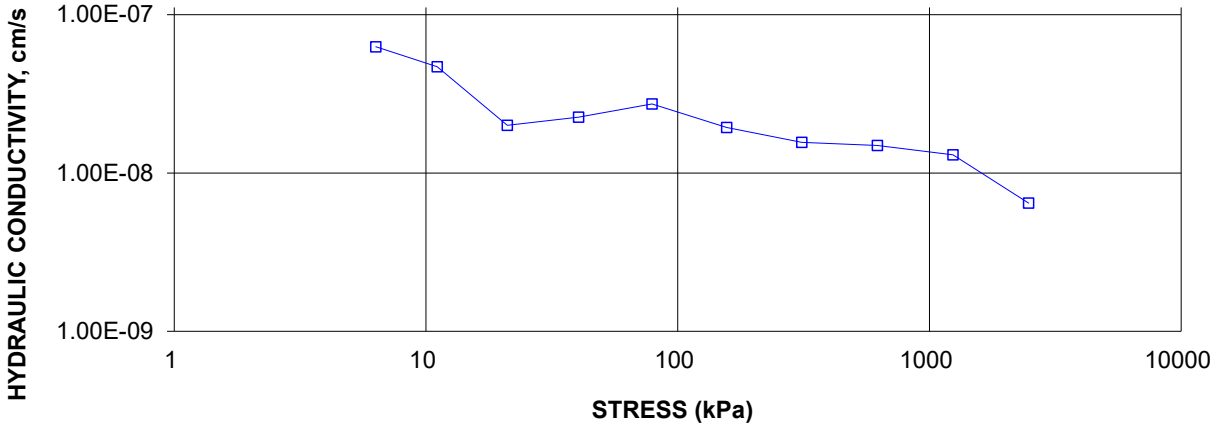
CONSOLIDATION TEST
CV cm²/s VS STRESS (kPa)
OP-BH-02 SA 167785



CONSOLIDATION TEST
MV m²/kN vs STRESS (kPa)
OP-BH-02 SA 167785



CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
OP-BH-02 SA 167785



Project No. 21504835

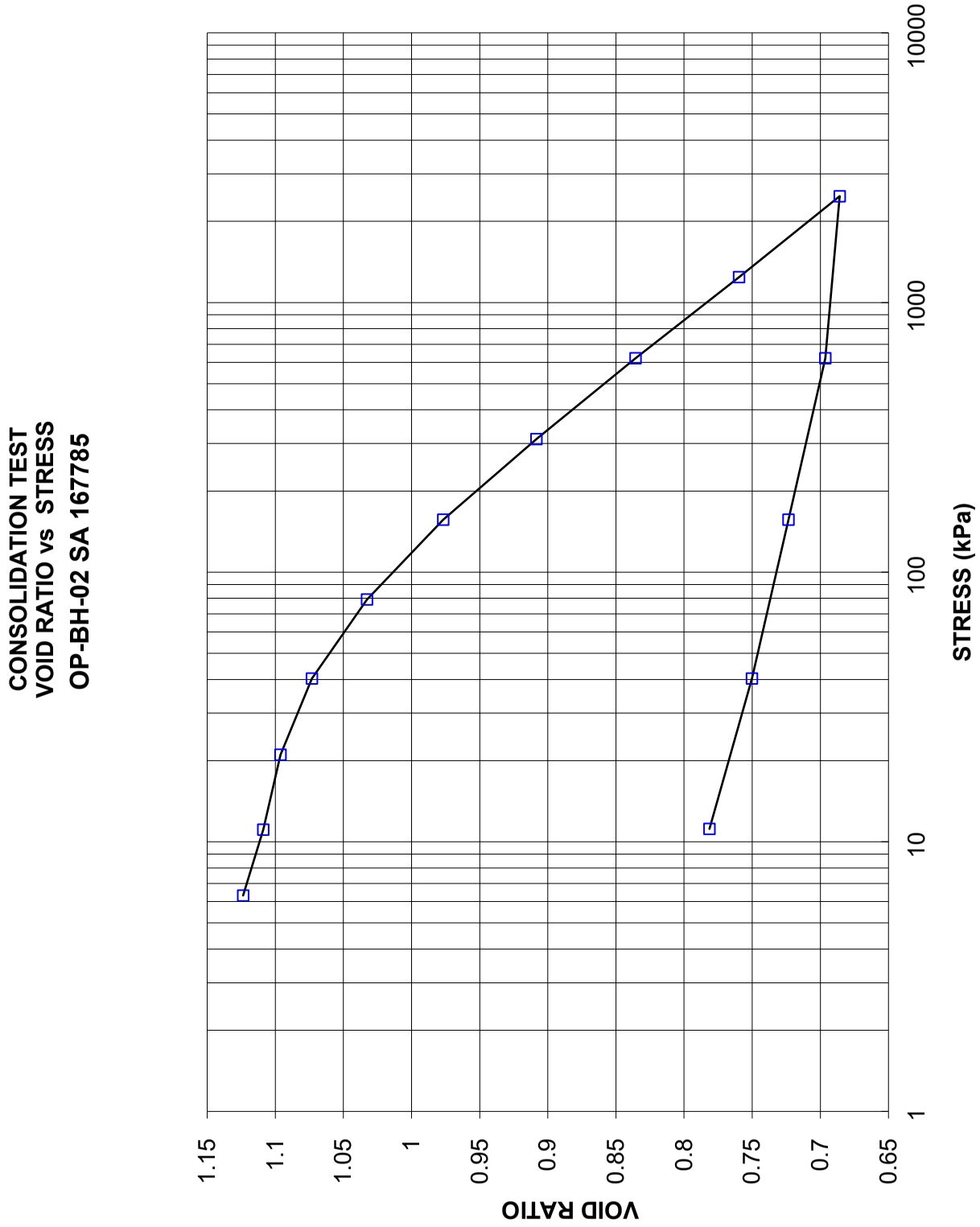
Prepared By: LH

Golder Associates

Checked By:MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



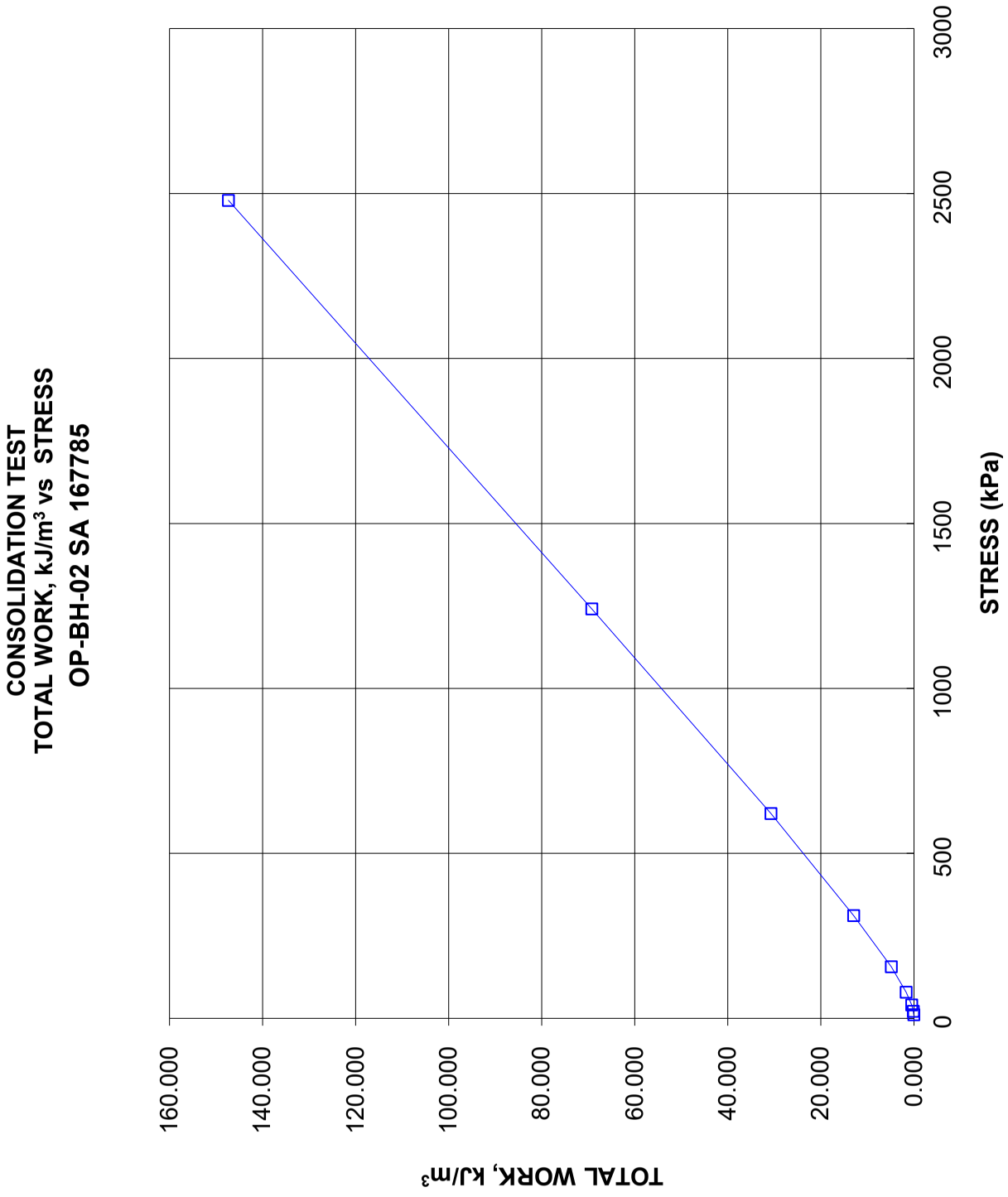
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	58380
Borehole Number	PF-BH-02	Sample Depth, m	5.49-6.10

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	6		
Date Started	05/10/2022		
Date Completed	05/21/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	1.91	Unit Weight, kN/m^3	18.48
Sample Diameter, cm	6.35	Dry Unit Weight, kN/m^3	13.68
Area, cm^2	31.71	Specific Gravity, measured	2.74
Volume, cm^3	60.47	Solids Height, cm	0.971
Water Content, %	35.04	Volume of Solids, cm^3	30.80
Wet Mass, g	113.95	Volume of Voids, cm^3	29.67
Dry Mass, g	84.38	Degree of Saturation, %	99.7

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	1.907	0.964	1.907				
5.86	1.906	0.962	1.906	7	1.10E-01	1.22E-04	1.31E-06
10.66	1.904	0.961	1.905	86	8.95E-03	1.61E-04	1.41E-07
20.40	1.900	0.957	1.902	331	2.32E-03	2.09E-04	4.76E-08
39.78	1.890	0.946	1.895	240	3.17E-03	2.76E-04	8.58E-08
78.43	1.879	0.935	1.884	173	4.35E-03	1.52E-04	6.50E-08
155.53	1.863	0.919	1.871	163	4.55E-03	1.05E-04	4.69E-08
310.02	1.821	0.875	1.842	265	2.71E-03	1.44E-04	3.83E-08
618.81	1.749	0.801	1.785	290	2.33E-03	1.22E-04	2.78E-08
1236.34	1.676	0.726	1.713	228	2.73E-03	6.24E-05	1.67E-08
2471.98	1.612	0.660	1.644	135	4.24E-03	2.71E-05	1.13E-08
618.81	1.624	0.672	1.618				
155.63	1.645	0.694	1.635				
39.97	1.666	0.715	1.656				
10.68	1.694	0.744	1.680				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 8-14cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	1.69	Unit Weight, kN/m^3	19.62
Sample Diameter, cm	6.35	Dry Unit Weight, kN/m^3	15.41
Area, cm^2	31.71	Specific Gravity, measured	2.74
Volume, cm^3	53.71	Solids Height, cm	0.971
Water Content, %	27.39	Volume of Solids, cm^3	30.80
Wet Mass, g	107.49	Volume of Voids, cm^3	22.92
Dry Mass, g	84.38		

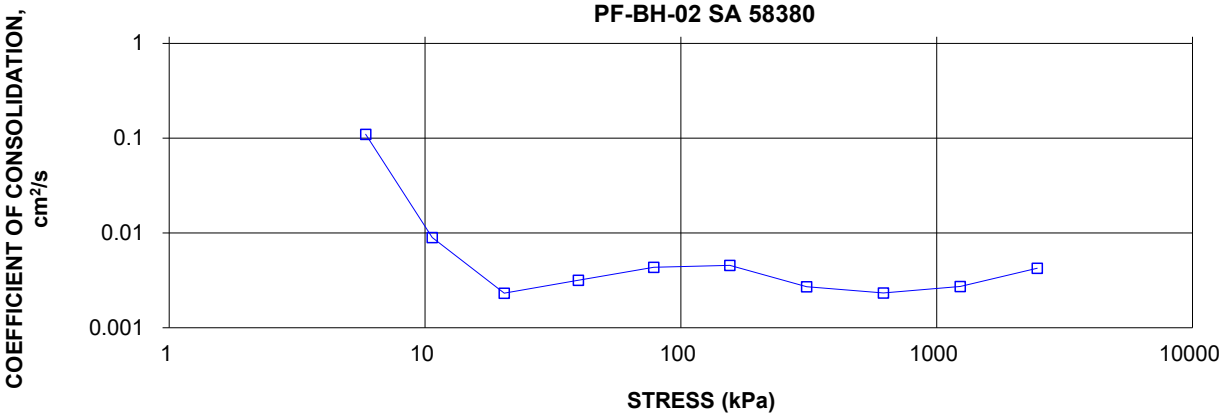
Prepared By: LH

Golder Associates

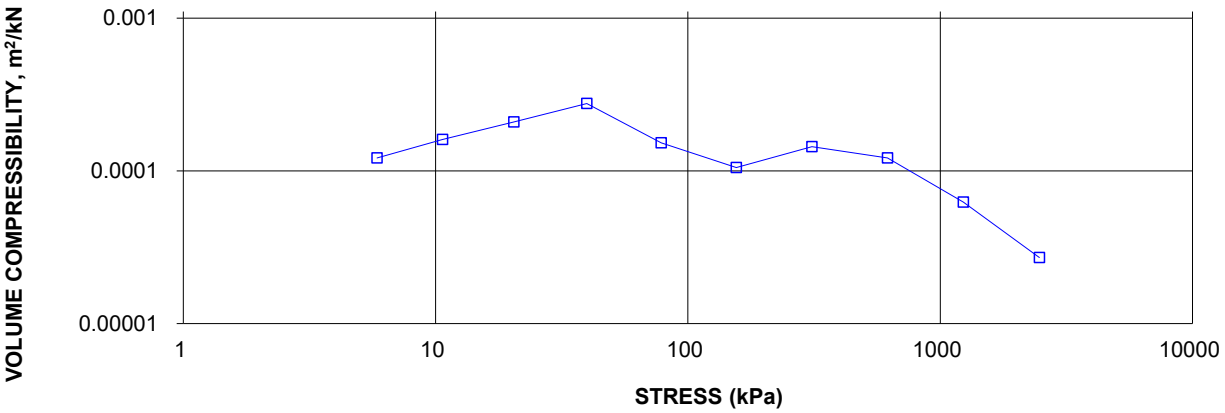
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

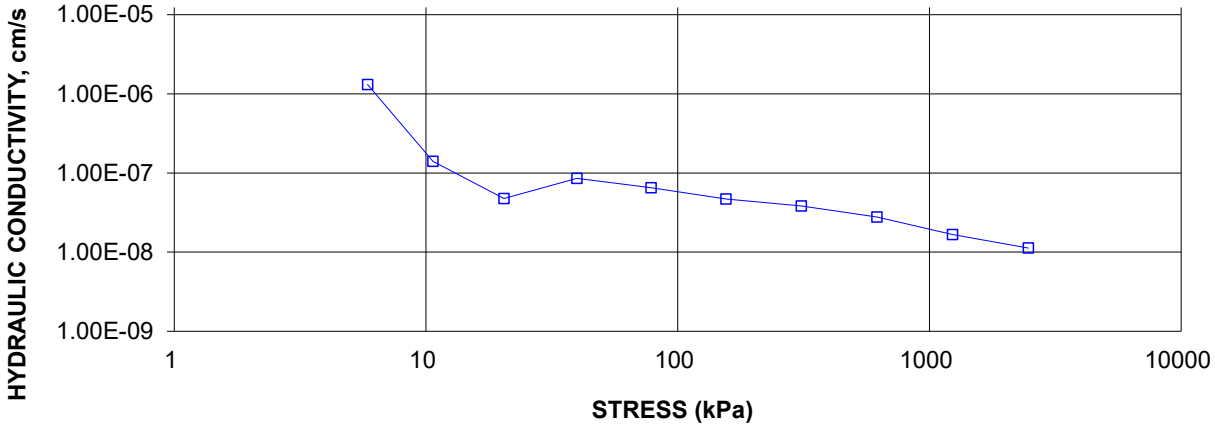
CONSOLIDATION TEST
CV cm²/s VS STRESS (kPa)
PF-BH-02 SA 58380



CONSOLIDATION TEST
MV m²/kN vs STRESS (kPa)
PF-BH-02 SA 58380



CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
PF-BH-02 SA 58380



Project No. 21504835

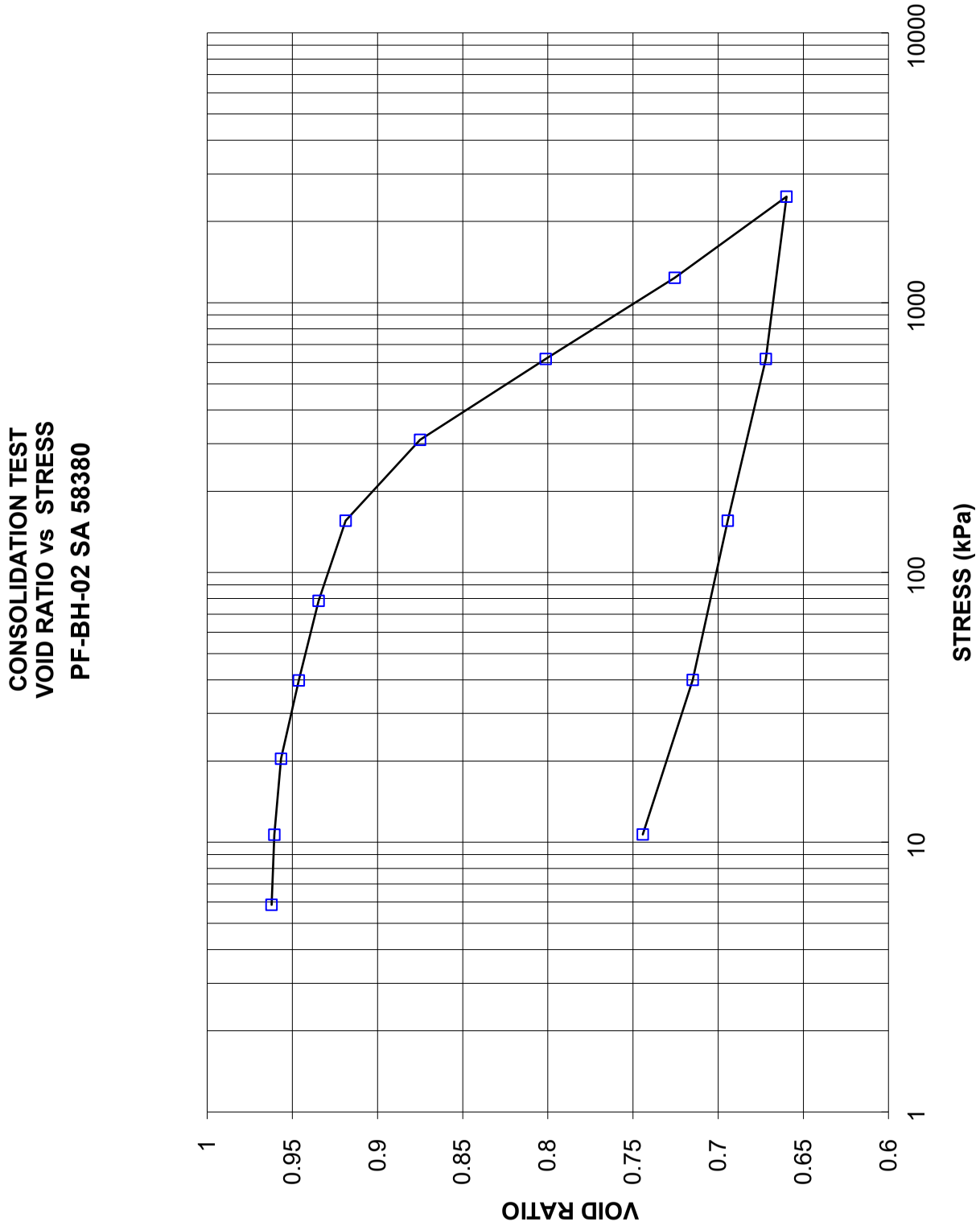
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



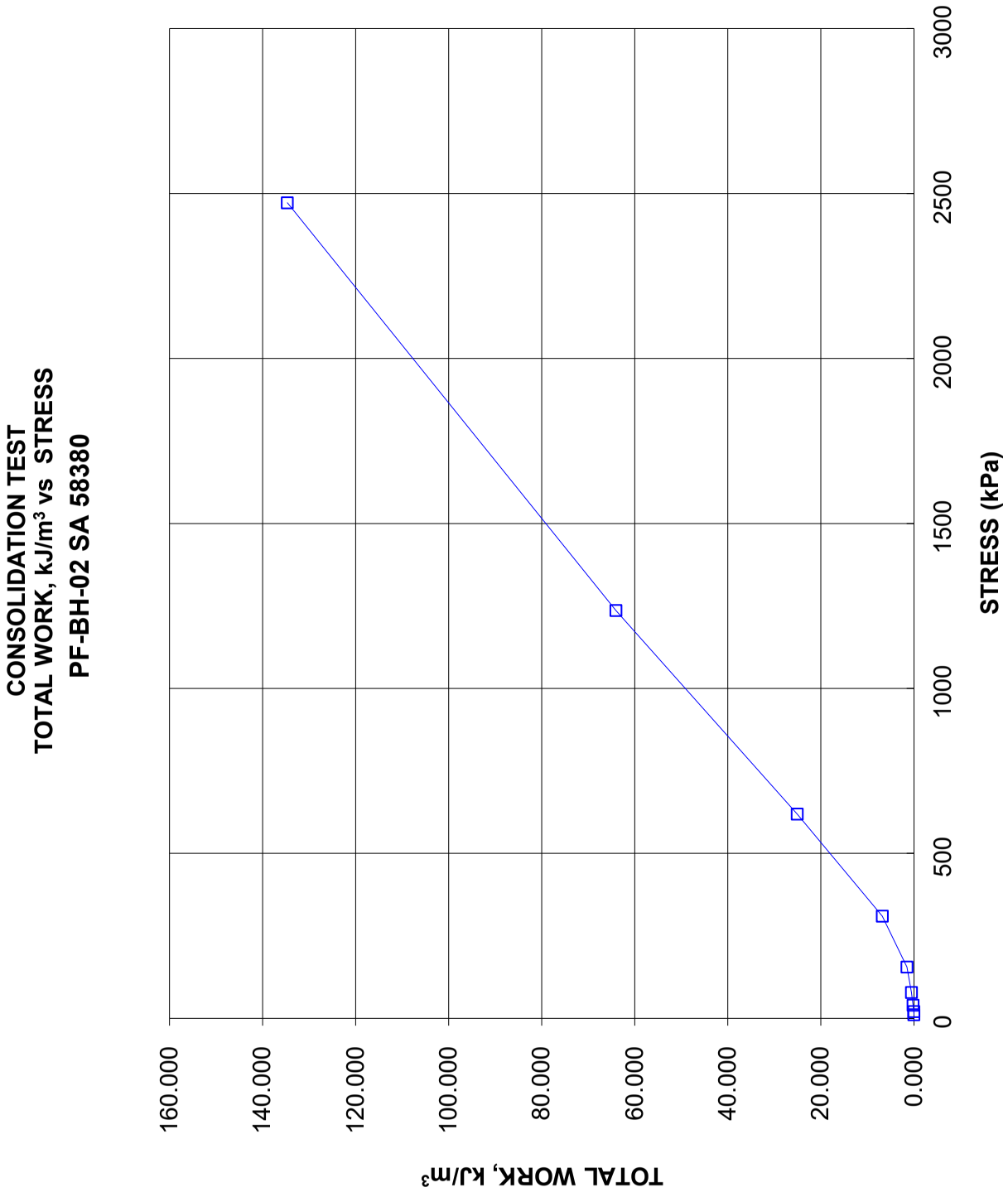
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	167292
Borehole Number	PF-BH-03	Sample Depth, m	11.59-12.20

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	9		
Date Started	05/13/2022		
Date Completed	05/25/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	1.91	Unit Weight, kN/m^3	17.19
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	11.72
Area, cm^2	31.53	Specific Gravity, measured	2.75
Volume, cm^3	60.10	Solids Height, cm	0.828
Water Content, %	46.74	Volume of Solids, cm^3	26.11
Wet Mass, g	105.36	Volume of Voids, cm^3	33.99
Dry Mass, g	71.80	Degree of Saturation, %	98.7

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	1.906	1.302	1.906				
6.50	1.904	1.299	1.905	7	1.10E-01	1.88E-04	2.03E-06
11.20	1.891	1.284	1.897	2982	2.56E-04	1.39E-03	3.48E-08
21.02	1.877	1.267	1.884	2381	3.16E-04	7.36E-04	2.28E-08
40.45	1.844	1.227	1.861	2535	2.90E-04	8.94E-04	2.54E-08
79.41	1.792	1.163	1.818	2574	2.72E-04	7.12E-04	1.90E-08
156.96	1.713	1.069	1.752	2693	2.42E-04	5.29E-04	1.25E-08
312.22	1.613	0.948	1.663	2614	2.24E-04	3.37E-04	7.42E-09
622.58	1.522	0.838	1.568	1325	3.93E-04	1.55E-04	5.97E-09
1243.68	1.441	0.740	1.481	778	5.98E-04	6.85E-05	4.01E-09
2485.11	1.365	0.648	1.403	437	9.55E-04	3.20E-05	2.99E-09
622.58	1.391	0.680	1.378				
156.96	1.430	0.727	1.411				
40.51	1.465	0.770	1.448				
11.18	1.510	0.824	1.488				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 4-8cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	1.51	Unit Weight, kN/m^3	19.27
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	14.79
Area, cm^2	31.53	Specific Gravity, measured	2.75
Volume, cm^3	47.62	Solids Height, cm	0.828
Water Content, %	30.32	Volume of Solids, cm^3	26.11
Wet Mass, g	93.57	Volume of Voids, cm^3	21.51
Dry Mass, g	71.80		

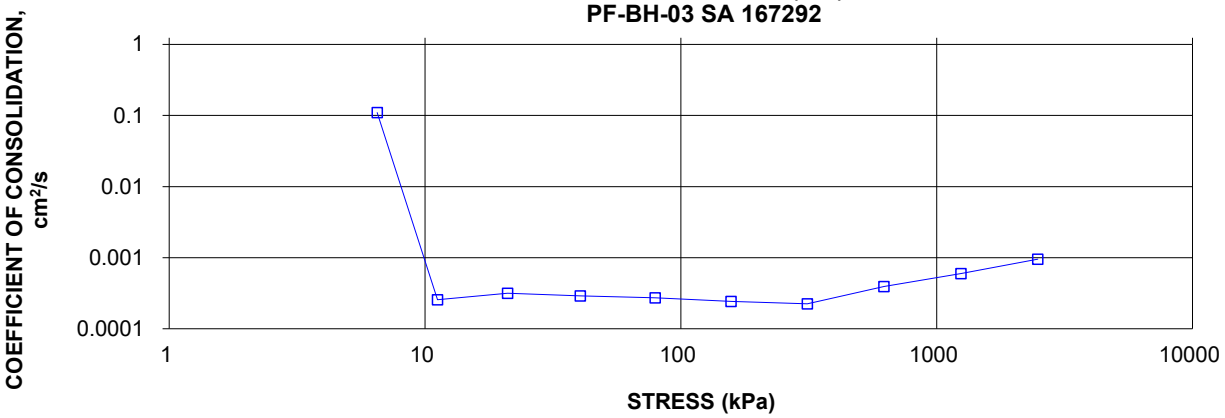
Prepared By: LH

Golder Associates

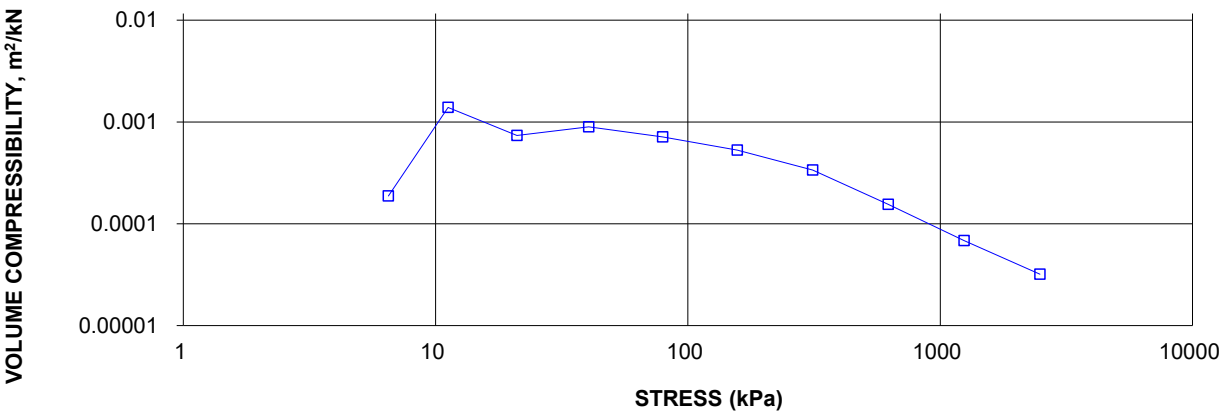
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

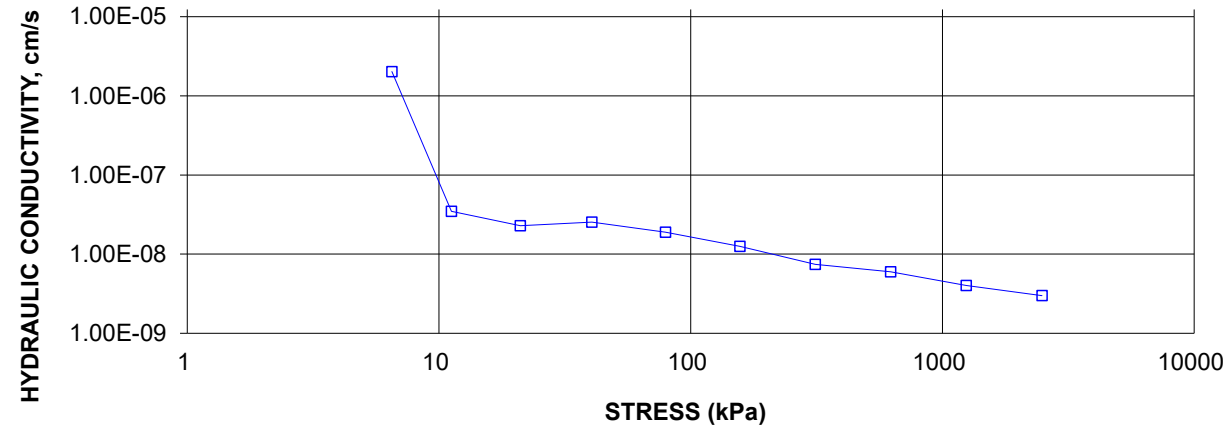
CONSOLIDATION TEST
CV cm^2/s VS STRESS (kPa)
PF-BH-03 SA 167292



CONSOLIDATION TEST
MV m^2/kN vs STRESS (kPa)
PF-BH-03 SA 167292



CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
PF-BH-03 SA 167292



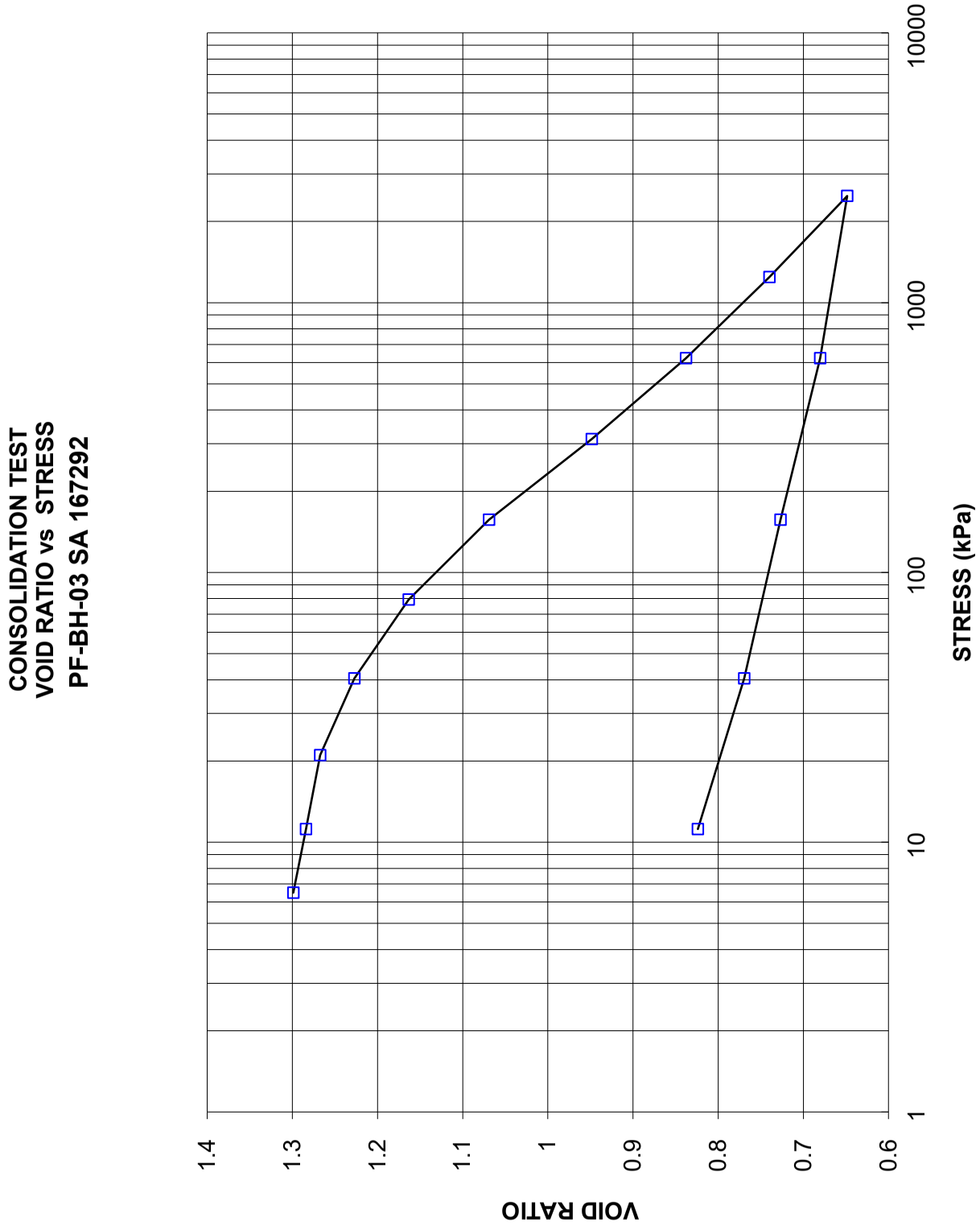
Project No. 21504835
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



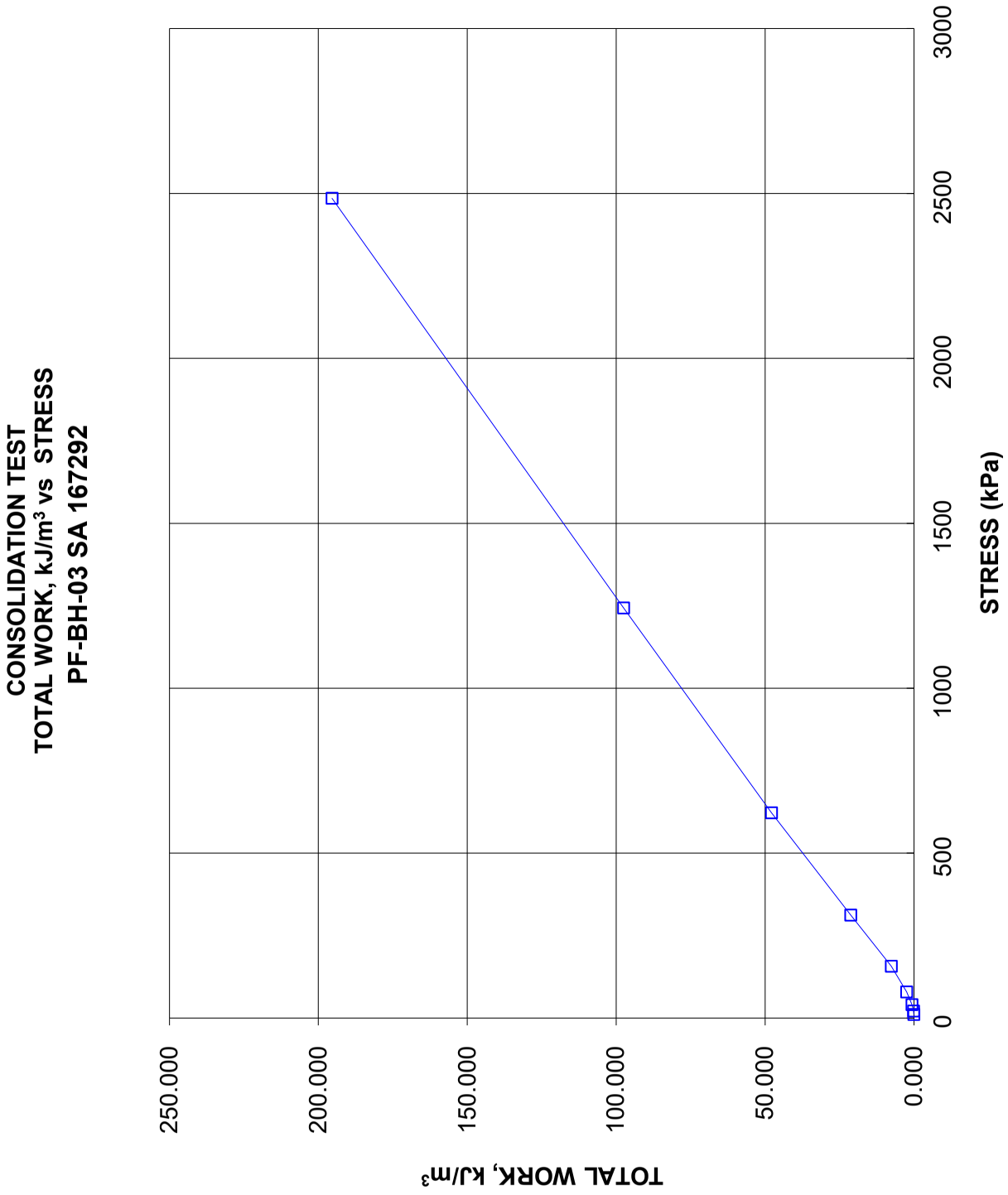
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	167718
Borehole Number	SRK22-OP-BH-08	Sample Depth, m	2.13-2.74

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	4		
Date Started	05/13/2022		
Date Completed	05/27/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	21.11
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	17.81
Area, cm^2	31.54	Specific Gravity, measured	2.74
Volume, cm^3	80.05	Solids Height, cm	1.682
Water Content, %	18.53	Volume of Solids, cm^3	53.05
Wet Mass, g	172.31	Volume of Voids, cm^3	26.99
Dry Mass, g	145.37	Degree of Saturation, %	99.8

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.538	0.509	2.538				
6.25	2.536	0.508	2.537	9	1.52E-01	1.10E-04	1.64E-06
10.98	2.536	0.508	2.536	8	1.70E-01	1.25E-05	2.09E-07
20.88	2.534	0.506	2.535	86	1.58E-02	8.76E-05	1.36E-07
40.25	2.529	0.503	2.531	331	4.10E-03	1.10E-04	4.42E-08
79.11	2.516	0.495	2.522	577	2.34E-03	1.32E-04	3.02E-08
156.72	2.496	0.484	2.506	505	2.64E-03	9.85E-05	2.54E-08
312.08	2.468	0.467	2.482	540	2.42E-03	7.15E-05	1.70E-08
622.39	2.432	0.446	2.450	375	3.39E-03	4.57E-05	1.52E-08
1244.14	2.379	0.414	2.406	421	2.91E-03	3.33E-05	9.50E-09
2485.96	2.311	0.374	2.345	437	2.67E-03	2.19E-05	5.72E-09
622.96	2.320	0.379	2.315				
156.72	2.340	0.391	2.330				
40.25	2.364	0.406	2.352				
10.99	2.383	0.417	2.374				

.

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

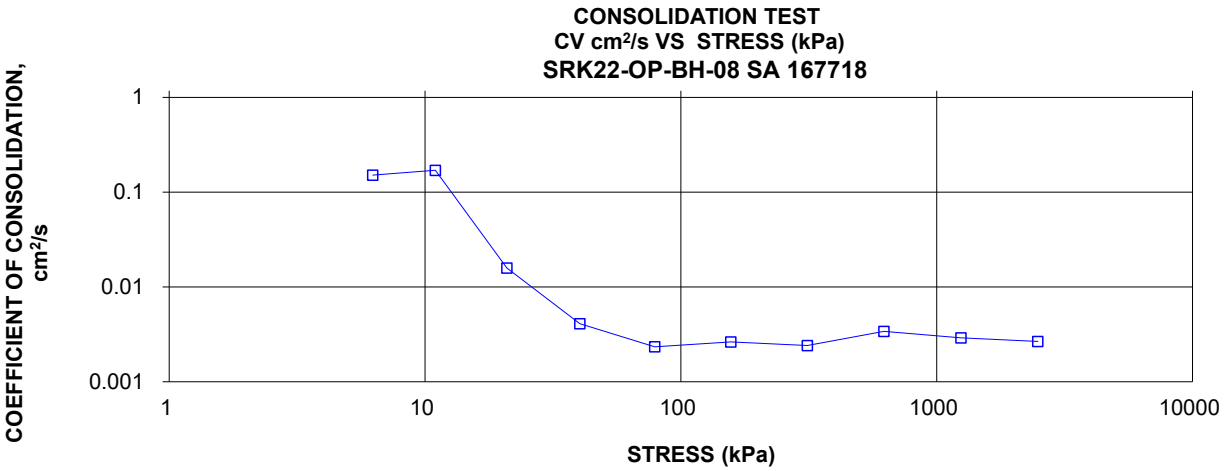
Sample Height, cm	2.38	Unit Weight, kN/m^3	22.01
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.97
Area, cm^2	31.54	Specific Gravity, measured	2.74
Volume, cm^3	75.16	Solids Height, cm	1.682
Water Content, %	16.07	Volume of Solids, cm^3	53.05
Wet Mass, g	168.73	Volume of Voids, cm^3	22.11
Dry Mass, g	145.37		

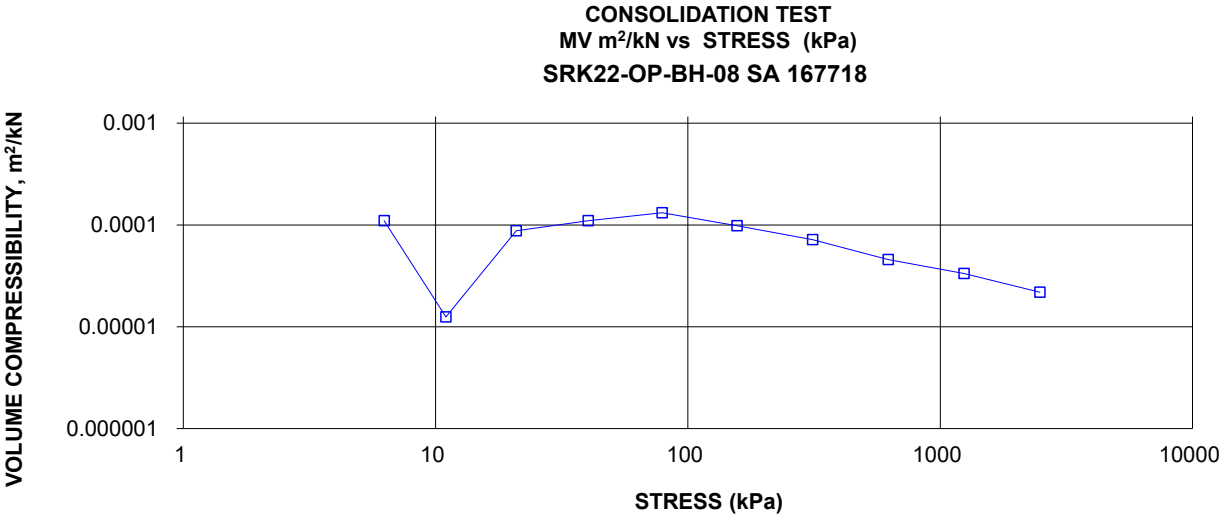
Prepared By: LH

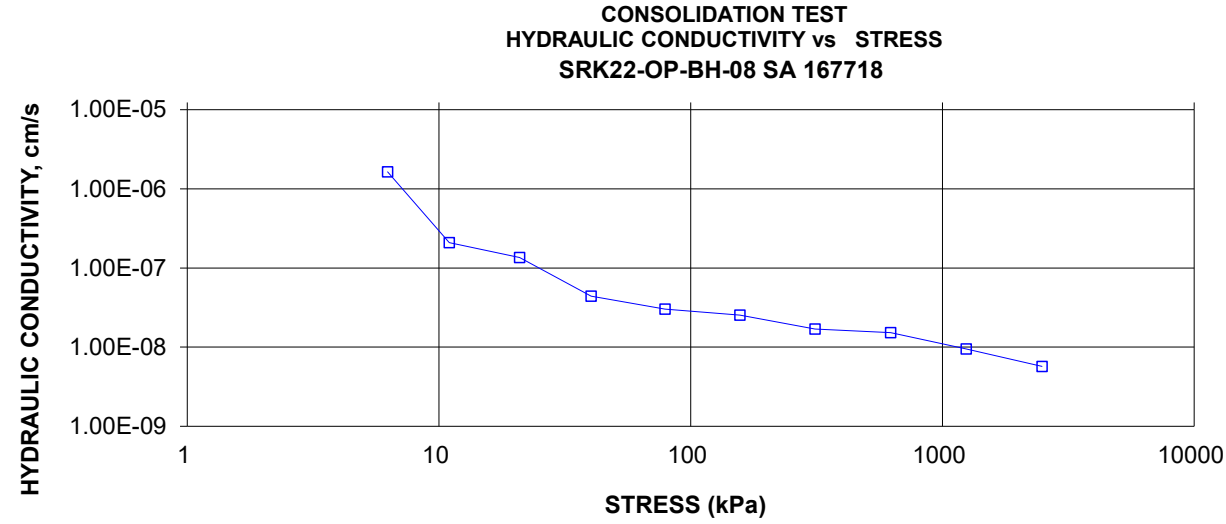
Golder Associates

Checked By:MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

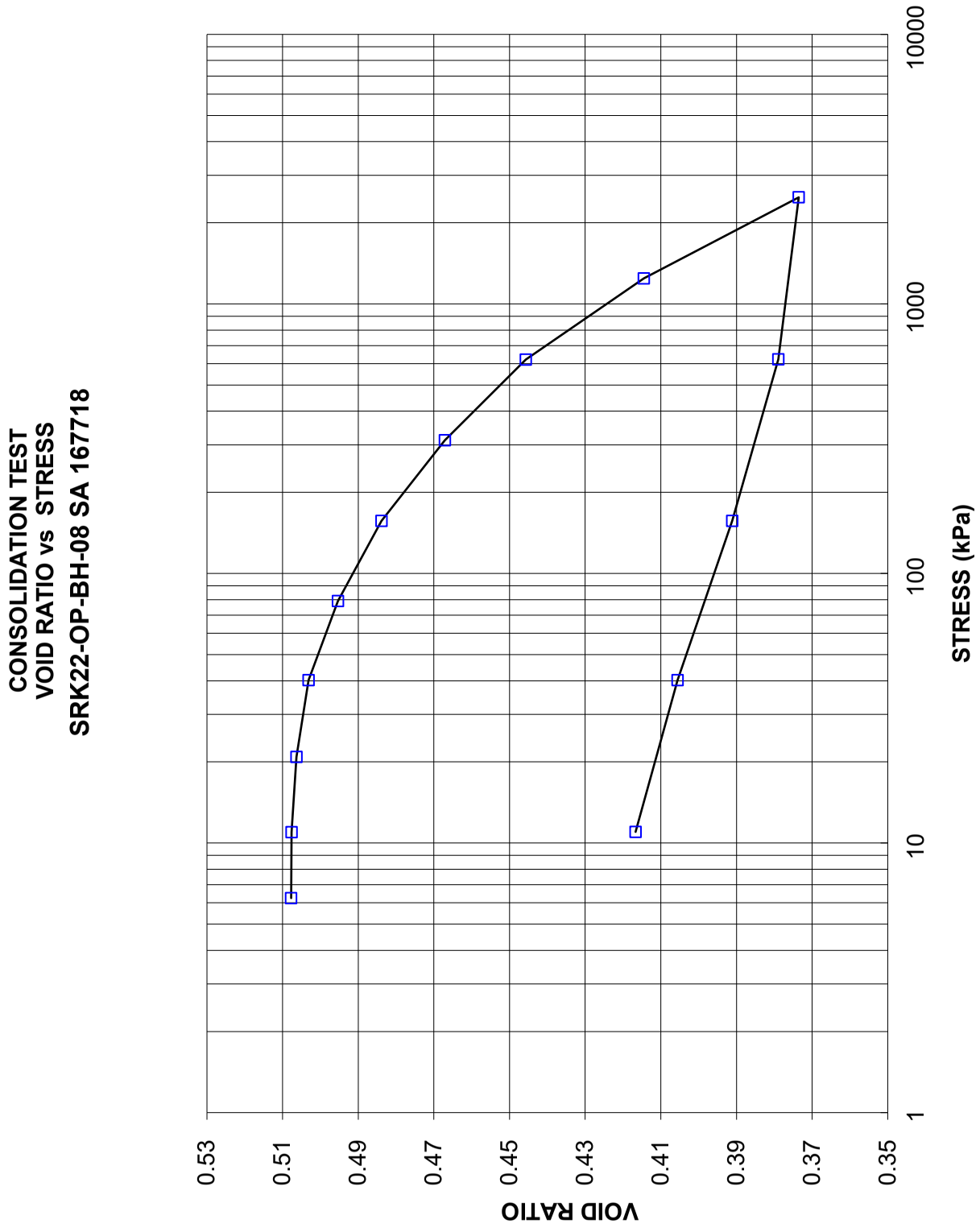
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



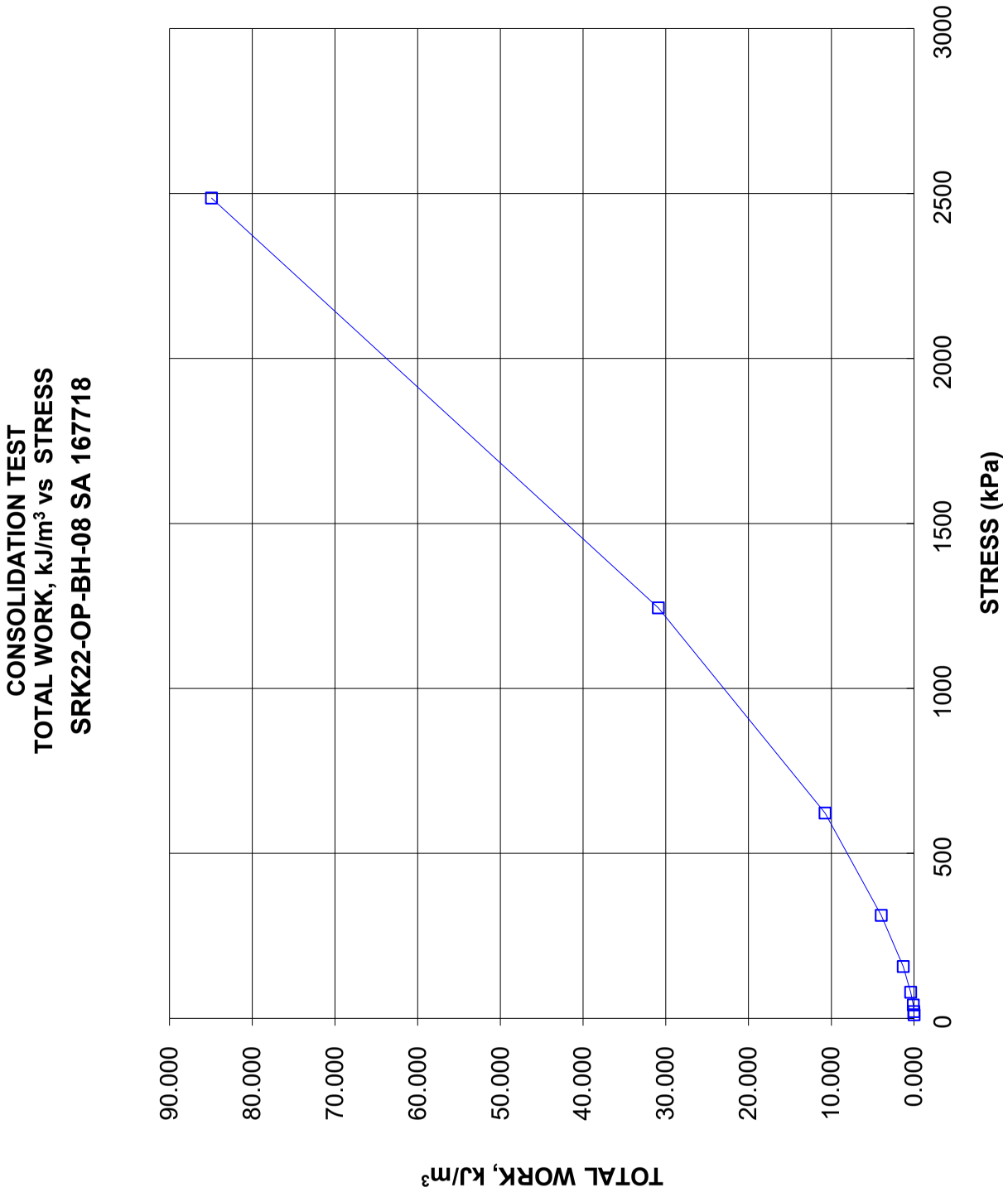
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	167390
Borehole Number	SRK22-WOS-BH-01	Sample Depth, m	5.18-5.79

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	1		
Date Started	05/13/2022		
Date Completed	05/27/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.53	Unit Weight, kN/m^3	20.28
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	16.53
Area, cm^2	31.61	Specific Gravity, measured	2.73
Volume, cm^3	80.07	Solids Height, cm	1.564
Water Content, %	22.64	Volume of Solids, cm^3	49.45
Wet Mass, g	165.55	Volume of Voids, cm^3	30.62
Dry Mass, g	134.99	Degree of Saturation, %	99.8

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.533	0.619	2.533				
6.04	2.513	0.606	2.523	10935	1.23E-04	1.32E-03	1.60E-08
10.74	2.505	0.602	2.509	9226	1.45E-04	6.30E-04	8.93E-09
20.61	2.487	0.590	2.496	10454	1.26E-04	7.32E-04	9.06E-09
40.13	2.458	0.571	2.472	9077	1.43E-04	5.97E-04	8.35E-09
78.70	2.415	0.544	2.436	4969	2.53E-04	4.37E-04	1.08E-08
156.15	2.354	0.505	2.384	4541	2.65E-04	3.09E-04	8.05E-09
310.93	2.293	0.466	2.324	3241	3.53E-04	1.55E-04	5.38E-09
620.69	2.234	0.428	2.263	1622	6.70E-04	7.61E-05	4.99E-09
1240.70	2.174	0.390	2.204	1058	9.73E-04	3.80E-05	3.62E-09
2480.45	2.113	0.351	2.144	540	1.80E-03	1.93E-05	3.42E-09
620.69	2.122	0.356	2.117				
156.09	2.141	0.369	2.131				
39.93	2.163	0.383	2.152				
10.65	2.181	0.394	2.172				

.

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 16-19cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

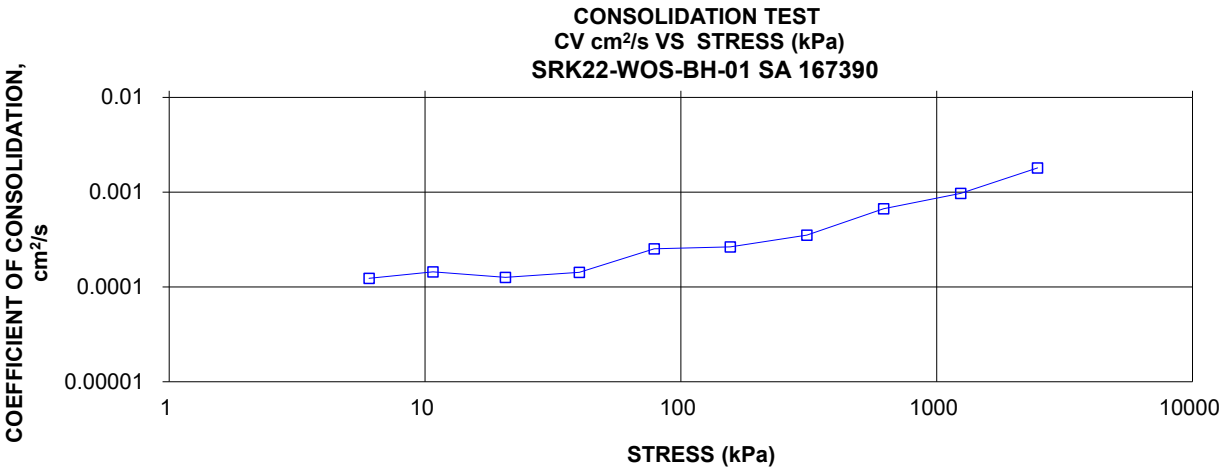
Sample Height, cm	2.18	Unit Weight, kN/m^3	22.17
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	19.21
Area, cm^2	31.61	Specific Gravity, measured	2.73
Volume, cm^3	68.92	Solids Height, cm	1.564
Water Content, %	15.45	Volume of Solids, cm^3	49.45
Wet Mass, g	155.85	Volume of Voids, cm^3	19.48
Dry Mass, g	134.99		

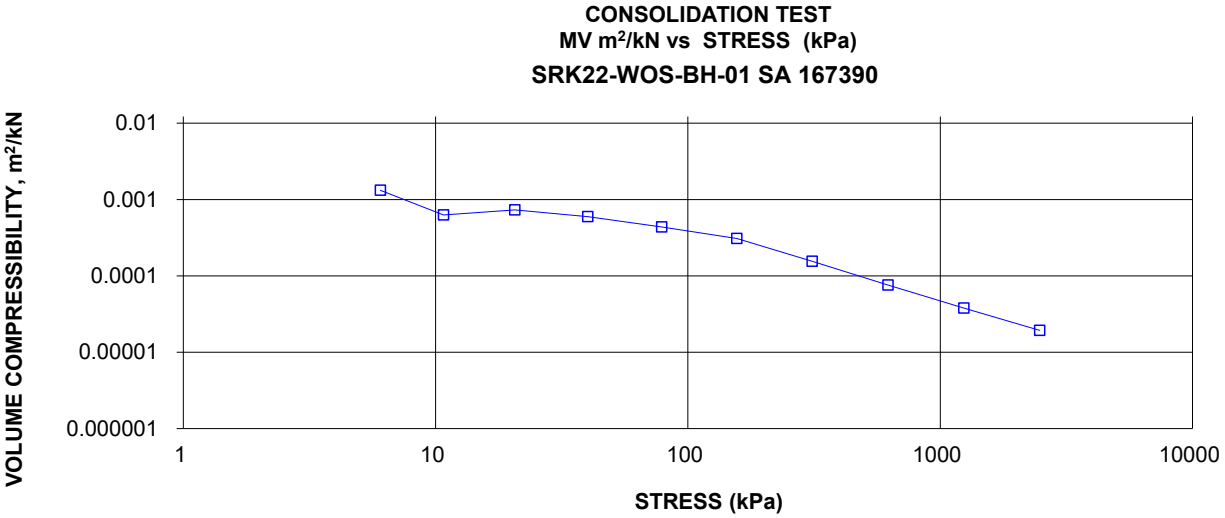
Prepared By: LH

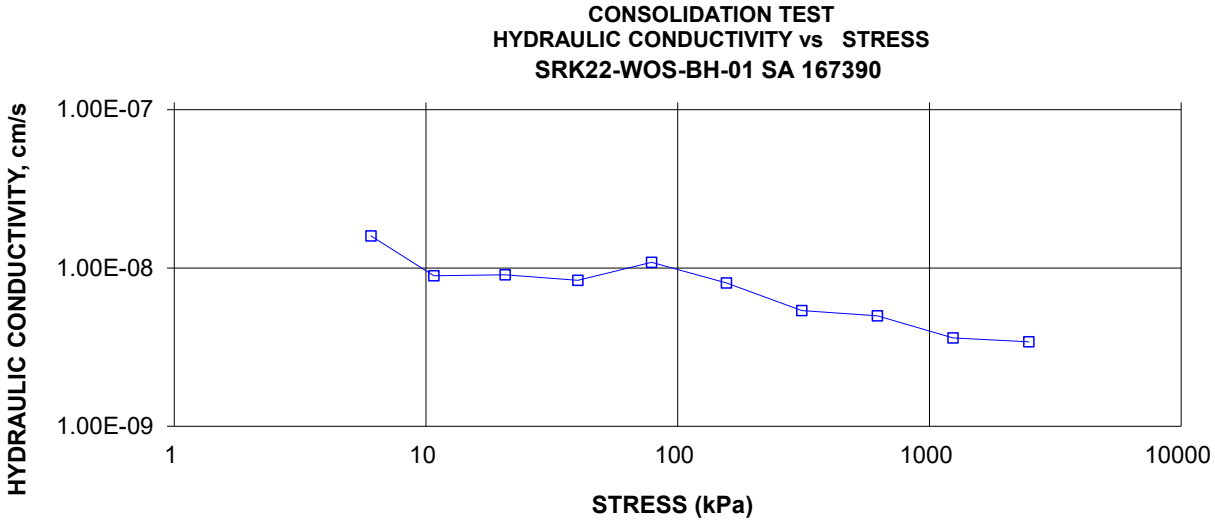
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

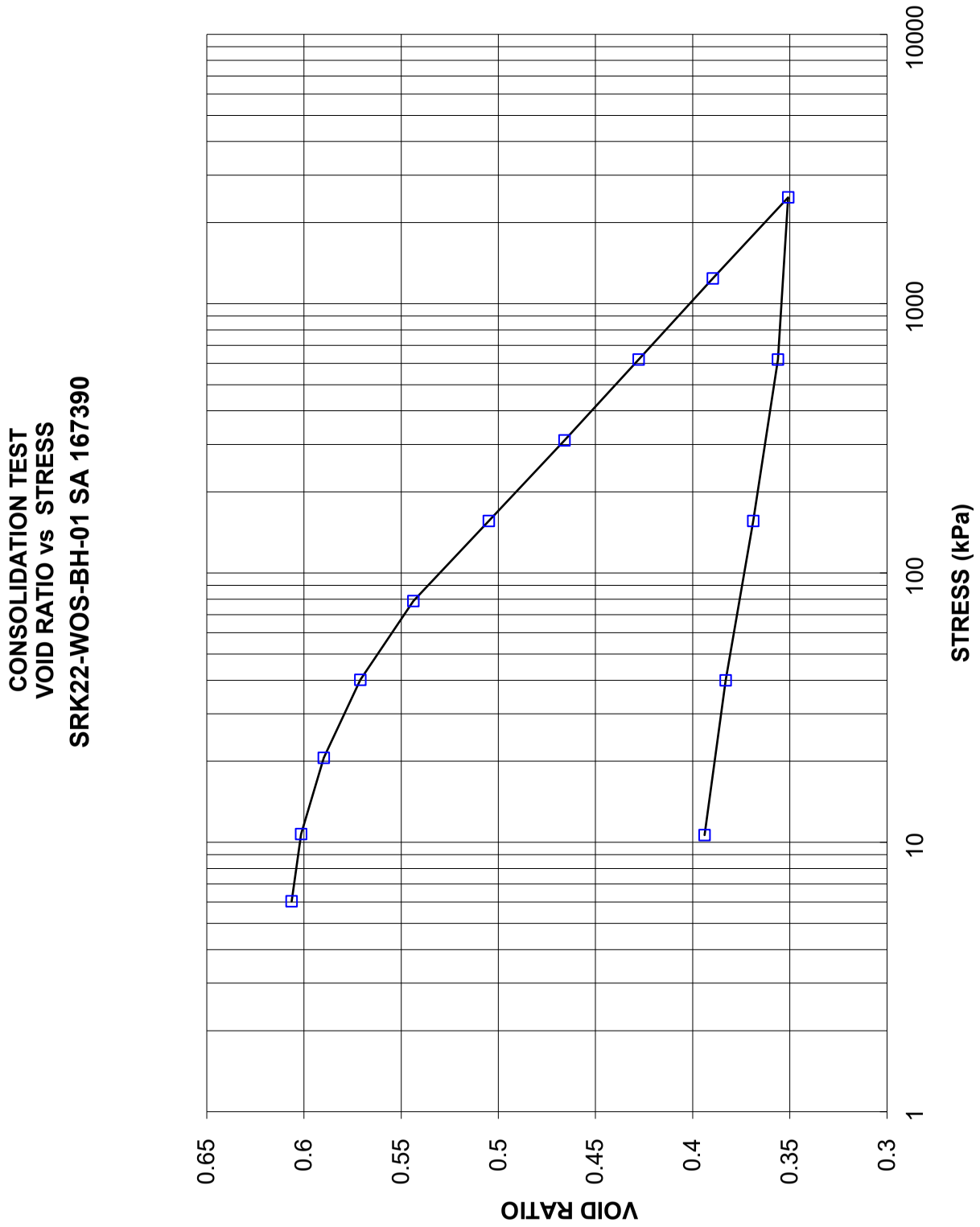
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



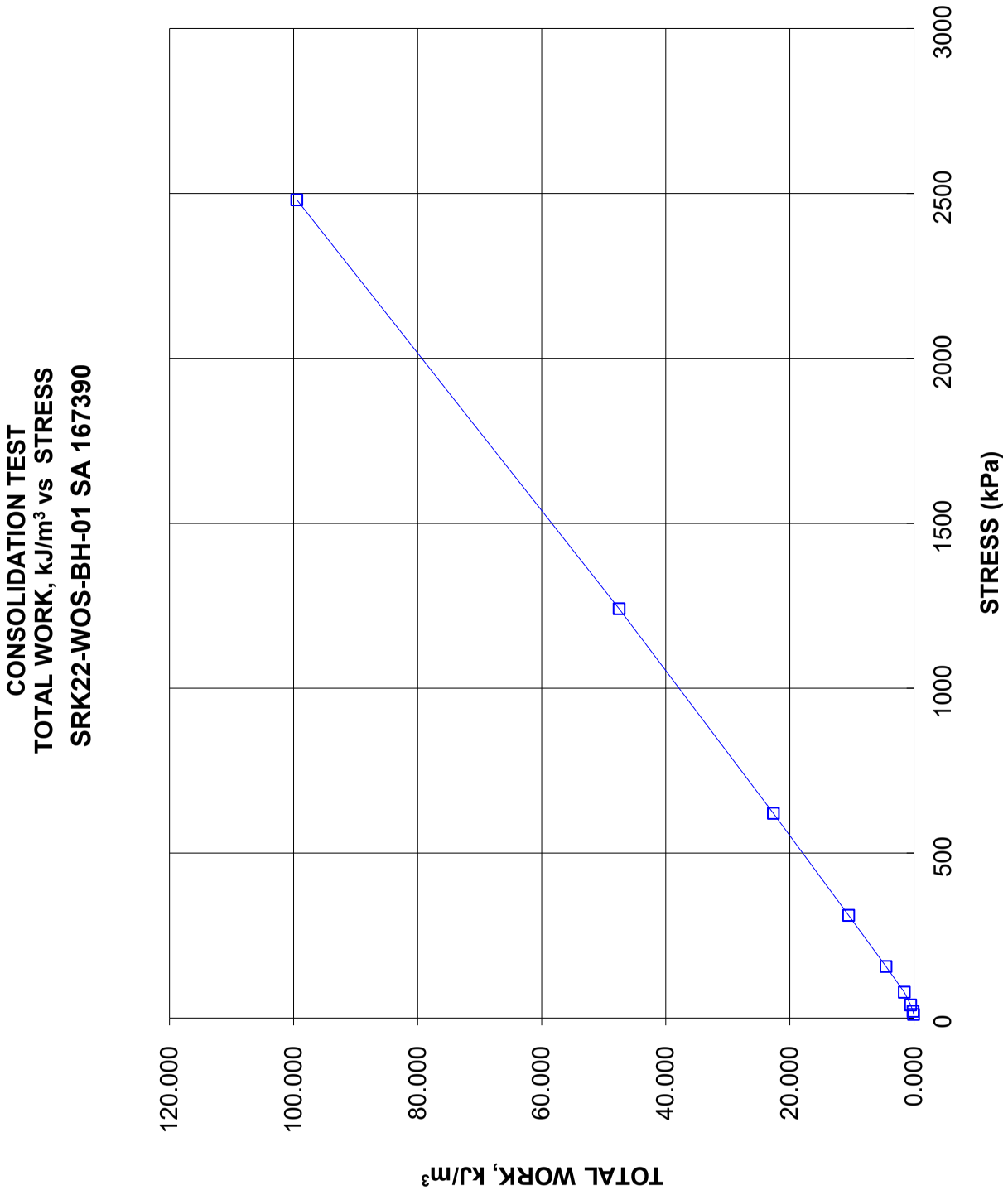
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	167394
Borehole Number	SRK22-WOS-BH-01	Sample Depth, m	17.38-17.99

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	2		
Date Started	05/13/2022		
Date Completed	05/27/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	18.03
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	12.96
Area, cm^2	31.52	Specific Gravity, measured	2.74
Volume, cm^3	80.19	Solids Height, cm	1.227
Water Content, %	39.16	Volume of Solids, cm^3	38.67
Wet Mass, g	147.45	Volume of Voids, cm^3	41.51
Dry Mass, g	105.96	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.544	1.074	2.544				
5.90	2.498	1.036	2.521	7129	1.89E-04	3.08E-03	5.70E-08
10.68	2.484	1.024	2.491	3557	3.70E-04	1.15E-03	4.17E-08
20.53	2.455	1.001	2.470	4034	3.20E-04	1.14E-03	3.58E-08
40.05	2.416	0.969	2.435	3375	3.73E-04	7.97E-04	2.91E-08
79.05	2.359	0.922	2.387	3241	3.73E-04	5.73E-04	2.09E-08
156.50	2.295	0.870	2.327	2233	5.14E-04	3.26E-04	1.64E-08
310.22	2.223	0.812	2.259	1215	8.90E-04	1.84E-04	1.60E-08
621.07	2.144	0.747	2.183	634	1.59E-03	1.00E-04	1.56E-08
1242.74	2.072	0.688	2.108	437	2.15E-03	4.56E-05	9.63E-09
2485.53	1.991	0.623	2.031	265	3.30E-03	2.55E-05	8.25E-09
621.07	2.004	0.634	1.998				
156.60	2.032	0.656	2.018				
40.24	2.067	0.685	2.050				
10.84	2.091	0.705	2.079				

.

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

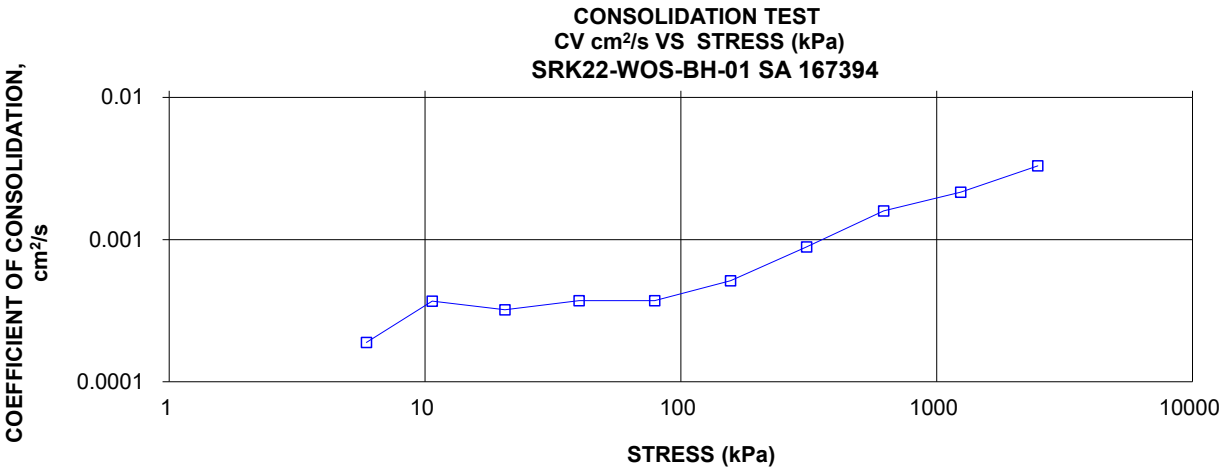
Sample Height, cm	2.09	Unit Weight, kN/m^3	20.03
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	15.76
Area, cm^2	31.52	Specific Gravity, measured	2.74
Volume, cm^3	65.92	Solids Height, cm	1.227
Water Content, %	27.09	Volume of Solids, cm^3	38.67
Wet Mass, g	134.66	Volume of Voids, cm^3	27.25
Dry Mass, g	105.96		

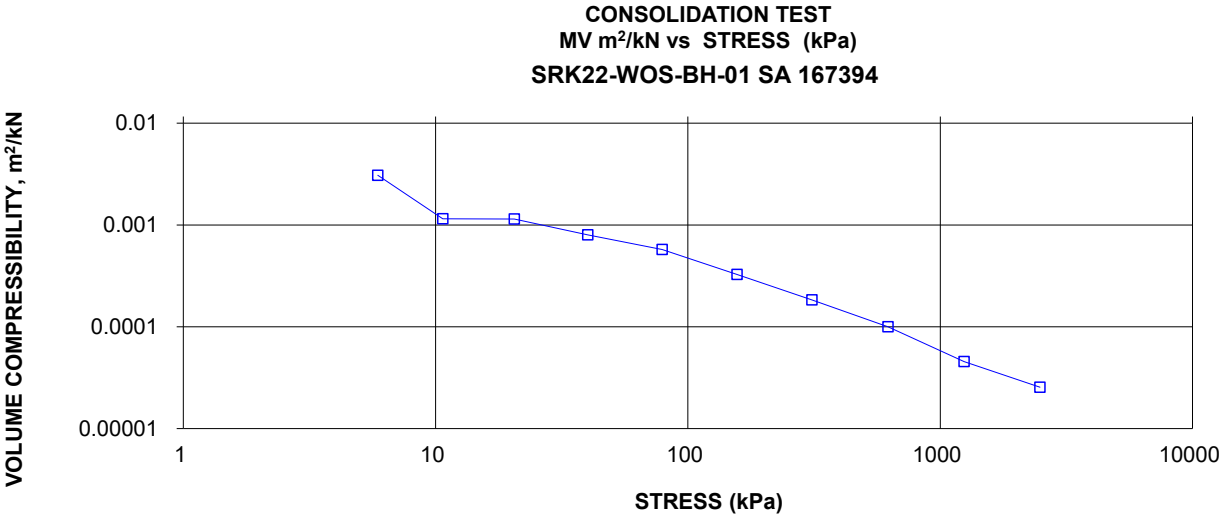
Prepared By: LH

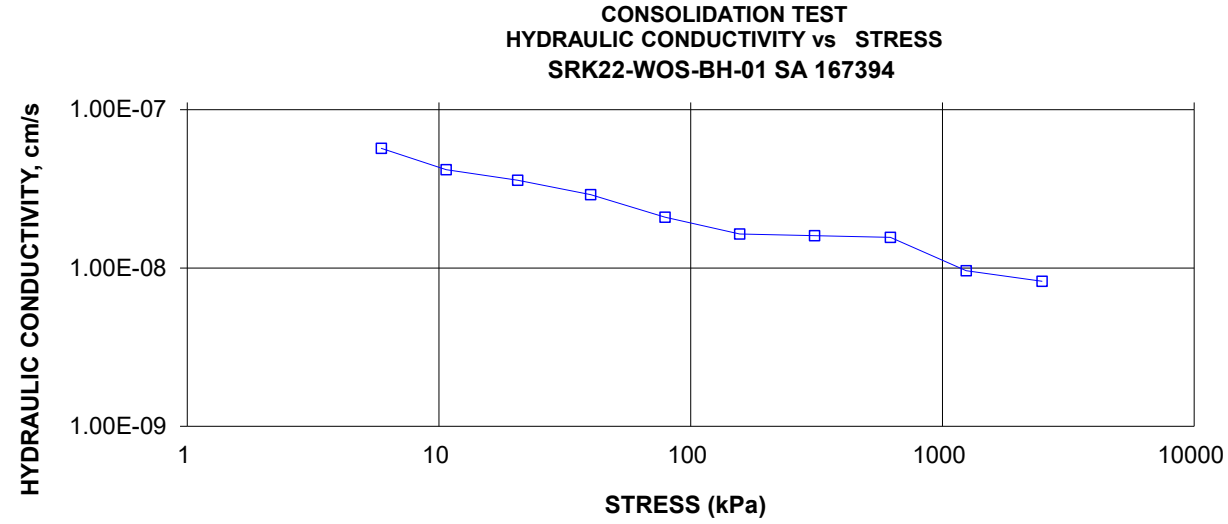
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

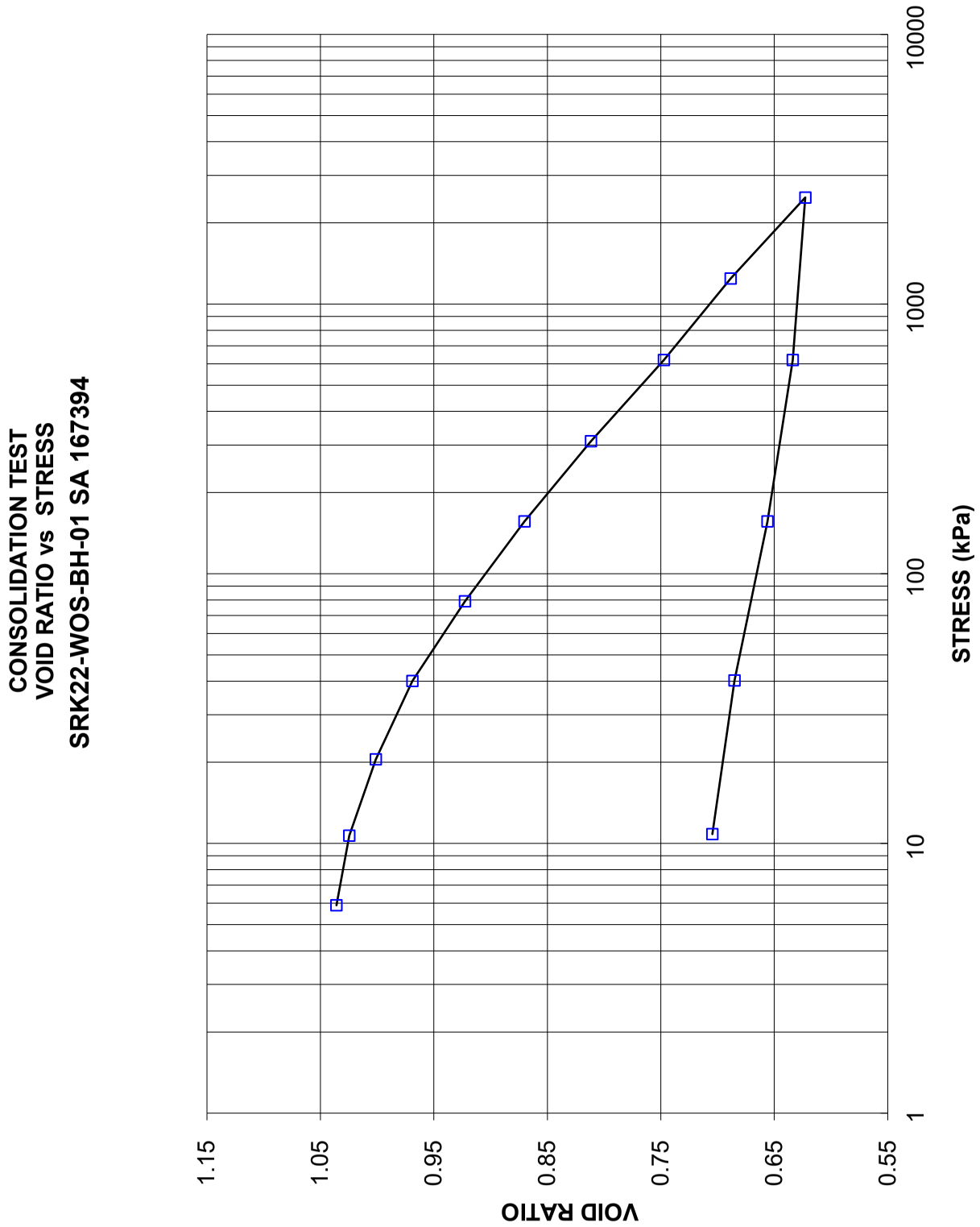
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



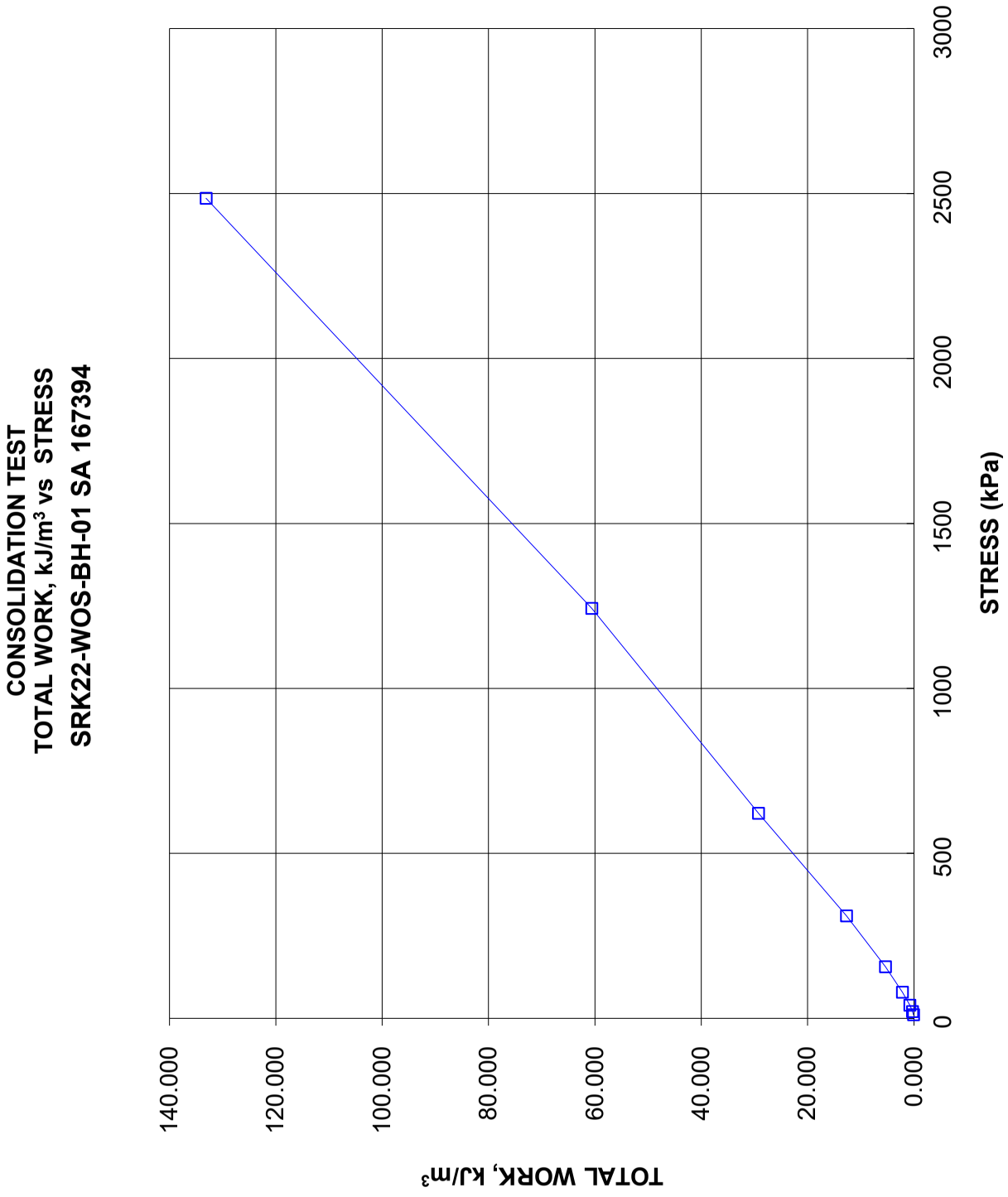
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21473972	Sample Number	58312
Borehole Number	SRK21-TSF-BH07	Sample Depth, m	12.80-13.41

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	1		
Date Started	04/05/2022		
Date Completed	04/18/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.53	Unit Weight, kN/m^3	17.12
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	11.55
Area, cm^2	31.61	Specific Gravity, measured	2.74
Volume, cm^3	80.07	Solids Height, cm	1.089
Water Content, %	48.27	Volume of Solids, cm^3	34.41
Wet Mass, g	139.80	Volume of Voids, cm^3	45.65
Dry Mass, g	94.29	Degree of Saturation, %	99.7

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.533	1.327	2.533				
6.04	2.533	1.326	2.533	12	1.13E-01	1.31E-05	1.45E-07
10.70	2.531	1.325	2.532	231	5.88E-03	1.27E-04	7.33E-08
20.61	2.526	1.320	2.529	519	2.61E-03	2.11E-04	5.40E-08
39.88	2.515	1.310	2.520	420	3.21E-03	2.36E-04	7.40E-08
78.74	2.494	1.291	2.504	667	1.99E-03	2.10E-04	4.11E-08
156.15	2.460	1.260	2.477	485	2.68E-03	1.72E-04	4.52E-08
311.14	2.304	1.117	2.382	2362	5.09E-04	3.97E-04	1.98E-08
620.93	2.120	0.947	2.212	3158	3.28E-04	2.35E-04	7.58E-09
1240.79	1.991	0.829	2.055	1329	6.74E-04	8.19E-05	5.41E-09
2480.25	1.881	0.728	1.936	833	9.54E-04	3.49E-05	3.27E-09
620.93	1.911	0.755	1.896				
156.09	1.963	0.803	1.937				
39.99	2.025	0.860	1.994				
10.70	2.071	0.902	2.048				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 6-15cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	2.07	Unit Weight, kN/m^3	18.93
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	14.13
Area, cm^2	31.61	Specific Gravity, measured	2.74
Volume, cm^3	65.45	Solids Height, cm	1.089
Water Content, %	34.01	Volume of Solids, cm^3	34.41
Wet Mass, g	126.36	Volume of Voids, cm^3	31.03
Dry Mass, g	94.29		

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21473972	Sample Number	58292
Borehole Number	SRK21-TSF-BH09	Sample Depth, m	11.59-12.20

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	2		
Date Started	4/05/2022		
Date Completed	4/16/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	18.96
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	14.43
Area, cm^2	31.52	Specific Gravity, measured	2.74
Volume, cm^3	80.19	Solids Height, cm	1.367
Water Content, %	31.38	Volume of Solids, cm^3	43.07
Wet Mass, g	155.05	Volume of Voids, cm^3	37.11
Dry Mass, g	118.02	Degree of Saturation, %	99.8

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.544	0.862	2.544				
5.93	2.544	0.861	2.544	30	4.57E-02	1.33E-05	5.94E-08
10.78	2.542	0.860	2.543	240	5.71E-03	1.62E-04	9.07E-08
20.53	2.537	0.857	2.540	279	4.90E-03	1.85E-04	8.91E-08
40.05	2.526	0.848	2.531	735	1.85E-03	2.34E-04	4.23E-08
78.93	2.504	0.832	2.515	1215	1.10E-03	2.21E-04	2.39E-08
156.54	2.472	0.809	2.488	1017	1.29E-03	1.63E-04	2.06E-08
311.83	2.414	0.766	2.443	1109	1.14E-03	1.46E-04	1.64E-08
622.43	2.329	0.704	2.371	1162	1.03E-03	1.08E-04	1.08E-08
1243.94	2.238	0.637	2.283	735	1.50E-03	5.76E-05	8.49E-09
2486.30	2.152	0.575	2.195	470	2.17E-03	2.71E-05	5.77E-09
622.43	2.168	0.587	2.160				
156.60	2.199	0.609	2.183				
40.00	2.247	0.645	2.223				
10.68	2.281	0.669	2.264				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 10-19cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	2.28	Unit Weight, kN/m^3	20.23
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	16.10
Area, cm^2	31.52	Specific Gravity, measured	2.74
Volume, cm^3	71.88	Solids Height, cm	1.367
Water Content, %	25.67	Volume of Solids, cm^3	43.07
Wet Mass, g	148.31	Volume of Voids, cm^3	28.81
Dry Mass, g	118.02		

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21473972	Sample Number	58491
Borehole Number	SRK21-TSF-BH10	Sample Depth, m	7.93-8.54

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	3		
Date Started	4/05/2022		
Date Completed	4/16/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	19.94
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	16.03
Area, cm^2	31.52	Specific Gravity, measured	2.72
Volume, cm^3	80.12	Solids Height, cm	1.528
Water Content, %	24.35	Volume of Solids, cm^3	48.15
Wet Mass, g	162.88	Volume of Voids, cm^3	31.97
Dry Mass, g	130.98	Degree of Saturation, %	99.8

TEST COMPUTATIONS

Stress kPa	Corr. Height cm	Void Ratio	Average Height cm	t_{90} sec	cv. cm^2/s	mv m^2/kN	k cm/s
0.00	2.542	0.664	2.542				
5.93	2.541	0.663	2.542	11	1.25E-01	3.98E-05	4.86E-07
10.76	2.539	0.662	2.540	113	1.21E-02	1.95E-04	2.32E-07
20.76	2.534	0.659	2.537	554	2.46E-03	1.81E-04	4.37E-08
40.24	2.526	0.654	2.530	390	3.48E-03	1.64E-04	5.58E-08
78.94	2.509	0.643	2.518	452	2.97E-03	1.72E-04	5.01E-08
156.50	2.461	0.611	2.485	923	1.42E-03	2.43E-04	3.39E-08
311.94	2.344	0.534	2.402	1682	7.27E-04	2.98E-04	2.13E-08
622.62	2.243	0.468	2.293	1220	9.14E-04	1.27E-04	1.14E-08
1244.12	2.155	0.410	2.199	833	1.23E-03	5.60E-05	6.75E-09
2489.23	2.074	0.357	2.114	628	1.51E-03	2.55E-05	3.77E-09
622.62	2.085	0.364	2.079				
156.50	2.105	0.378	2.095				
40.24	2.140	0.401	2.123				
10.78	2.172	0.422	2.156				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 13-19cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	2.17	Unit Weight, kN/m^3	22.17
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.76
Area, cm^2	31.52	Specific Gravity, measured	2.72
Volume, cm^3	68.46	Solids Height, cm	1.528
Water Content, %	18.17	Volume of Solids, cm^3	48.15
Wet Mass, g	154.78	Volume of Voids, cm^3	20.30
Dry Mass, g	130.98		

Prepared By: LH

Golder Associates

Checked By:MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21473972	Sample Number	58385
Borehole Number	SRK21-TSF-BH18	Sample Depth, m	3.96-4.57

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	4		
Date Started	04/05/2022		
Date Completed	04/18/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	20.06
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	16.19
Area, cm^2	31.54	Specific Gravity, measured	2.73
Volume, cm^3	80.05	Solids Height, cm	1.535
Water Content, %	23.92	Volume of Solids, cm^3	48.41
Wet Mass, g	163.77	Volume of Voids, cm^3	31.64
Dry Mass, g	132.16	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress kPa	Corr. Height cm	Void Ratio	Average Height cm	t_{90} sec	cv. cm^2/s	mv m^2/kN	k cm/s
0.00	2.538	0.654	2.538				
6.24	2.536	0.652	2.537	10	1.36E-01	1.14E-04	1.52E-06
10.89	2.536	0.652	2.536	60	2.27E-02	5.93E-05	1.32E-07
20.76	2.532	0.650	2.534	231	5.89E-03	1.44E-04	8.30E-08
40.24	2.523	0.643	2.527	789	1.72E-03	1.90E-04	3.20E-08
79.22	2.505	0.632	2.514	1221	1.10E-03	1.82E-04	1.96E-08
157.57	2.471	0.610	2.488	1220	1.08E-03	1.68E-04	1.77E-08
312.08	2.412	0.571	2.442	2076	6.09E-04	1.51E-04	9.01E-09
622.53	2.332	0.519	2.372	1500	7.95E-04	1.02E-04	7.91E-09
1243.39	2.245	0.463	2.289	1066	1.04E-03	5.49E-05	5.60E-09
2487.69	2.162	0.408	2.203	747	1.38E-03	2.66E-05	3.59E-09
622.53	2.174	0.416	2.168				
156.78	2.199	0.433	2.186				
40.17	2.240	0.460	2.220				
10.97	2.263	0.474	2.252				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 4-8cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	2.26	Unit Weight, kN/m^3	21.10
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.16
Area, cm^2	31.54	Specific Gravity, measured	2.73
Volume, cm^3	71.38	Solids Height, cm	1.535
Water Content, %	16.20	Volume of Solids, cm^3	48.41
Wet Mass, g	153.57	Volume of Voids, cm^3	22.97
Dry Mass, g	132.16		

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835	Sample Number	167383
Borehole Number	LG-BH-01	Sample Depth, m	5.18-5.79

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	1		
Date Started	04/28/2022		
Date Completed	05/10/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.53	Unit Weight, kN/m^3	19.64
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	15.55
Area, cm^2	31.61	Specific Gravity, measured	2.73
Volume, cm^3	80.07	Solids Height, cm	1.471
Water Content, %	26.31	Volume of Solids, cm^3	46.51
Wet Mass, g	160.37	Volume of Voids, cm^3	33.56
Dry Mass, g	126.97	Degree of Saturation, %	99.5

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.533	0.722	2.533				
6.04	2.513	0.708	2.523	14415	9.36E-05	1.32E-03	1.21E-08
10.73	2.500	0.699	2.507	11760	1.13E-04	1.05E-03	1.17E-08
20.49	2.476	0.683	2.488	13500	9.72E-05	9.83E-04	9.36E-09
39.93	2.437	0.656	2.456	11261	1.14E-04	8.02E-04	8.93E-09
78.70	2.385	0.621	2.411	8074	1.53E-04	5.26E-04	7.87E-09
156.15	2.328	0.582	2.356	4489	2.62E-04	2.89E-04	7.43E-09
310.31	2.268	0.542	2.298	2458	4.56E-04	1.53E-04	6.85E-09
620.86	2.208	0.500	2.238	1815	5.85E-04	7.72E-05	4.42E-09
1240.85	2.144	0.457	2.176	1109	9.05E-04	4.05E-05	3.59E-09
2479.90	2.080	0.414	2.112	634	1.49E-03	2.03E-05	2.97E-09
620.86	2.092	0.421	2.086				
156.05	2.119	0.440	2.105				
40.13	2.143	0.457	2.131				
10.70	2.175	0.478	2.159				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

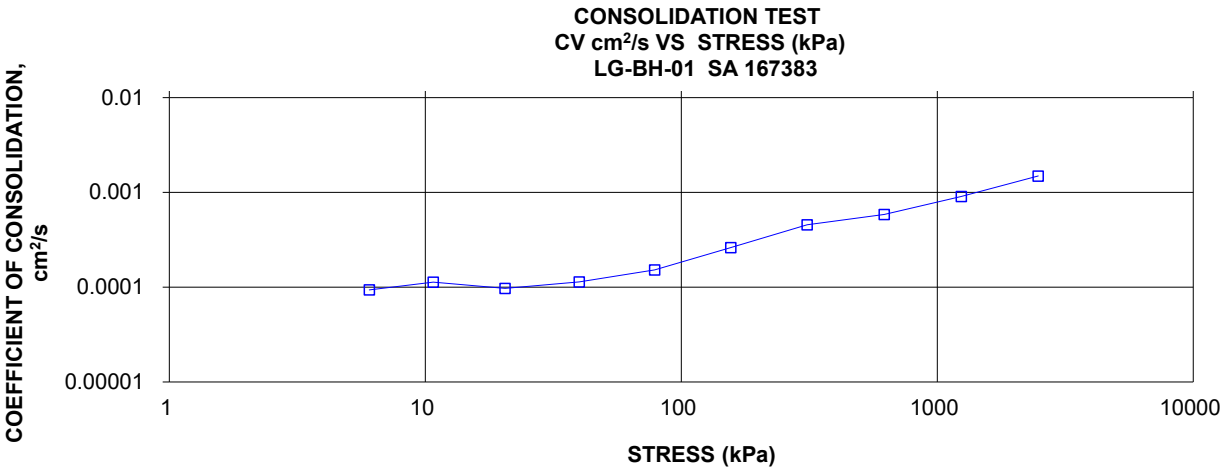
Sample Height, cm	2.17	Unit Weight, kN/m^3	21.45
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.12
Area, cm^2	31.61	Specific Gravity, measured	2.73
Volume, cm^3	68.73	Solids Height, cm	1.471
Water Content, %	18.39	Volume of Solids, cm^3	46.51
Wet Mass, g	150.32	Volume of Voids, cm^3	22.23
Dry Mass, g	126.97		

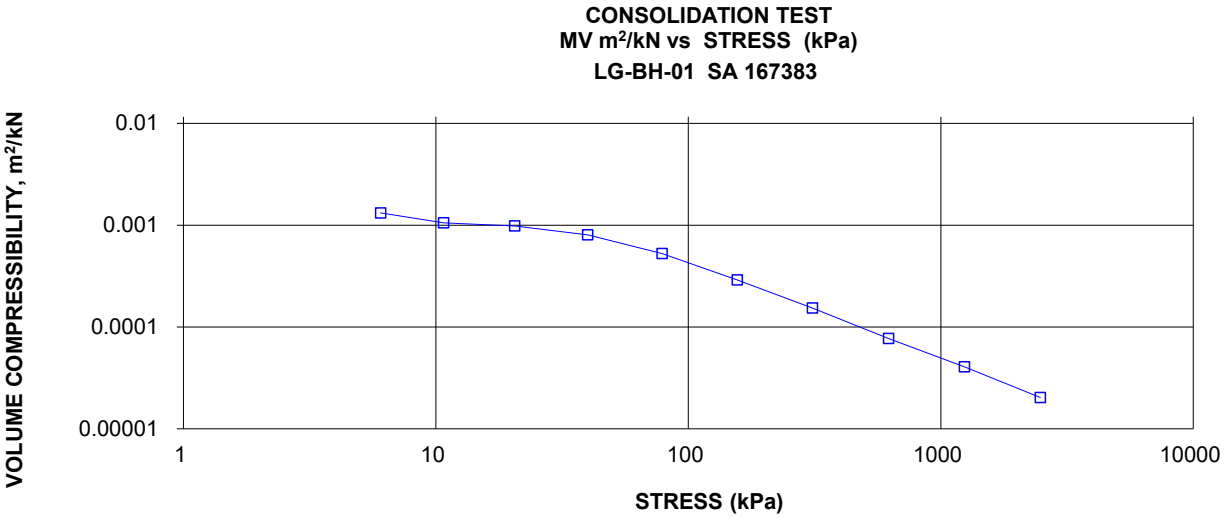
Prepared By: LH

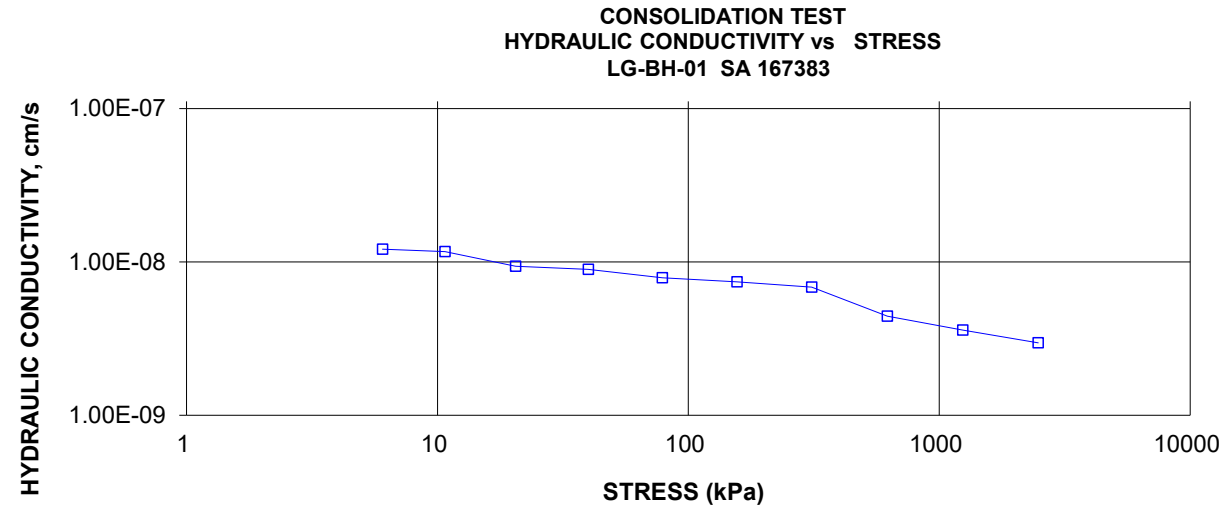
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

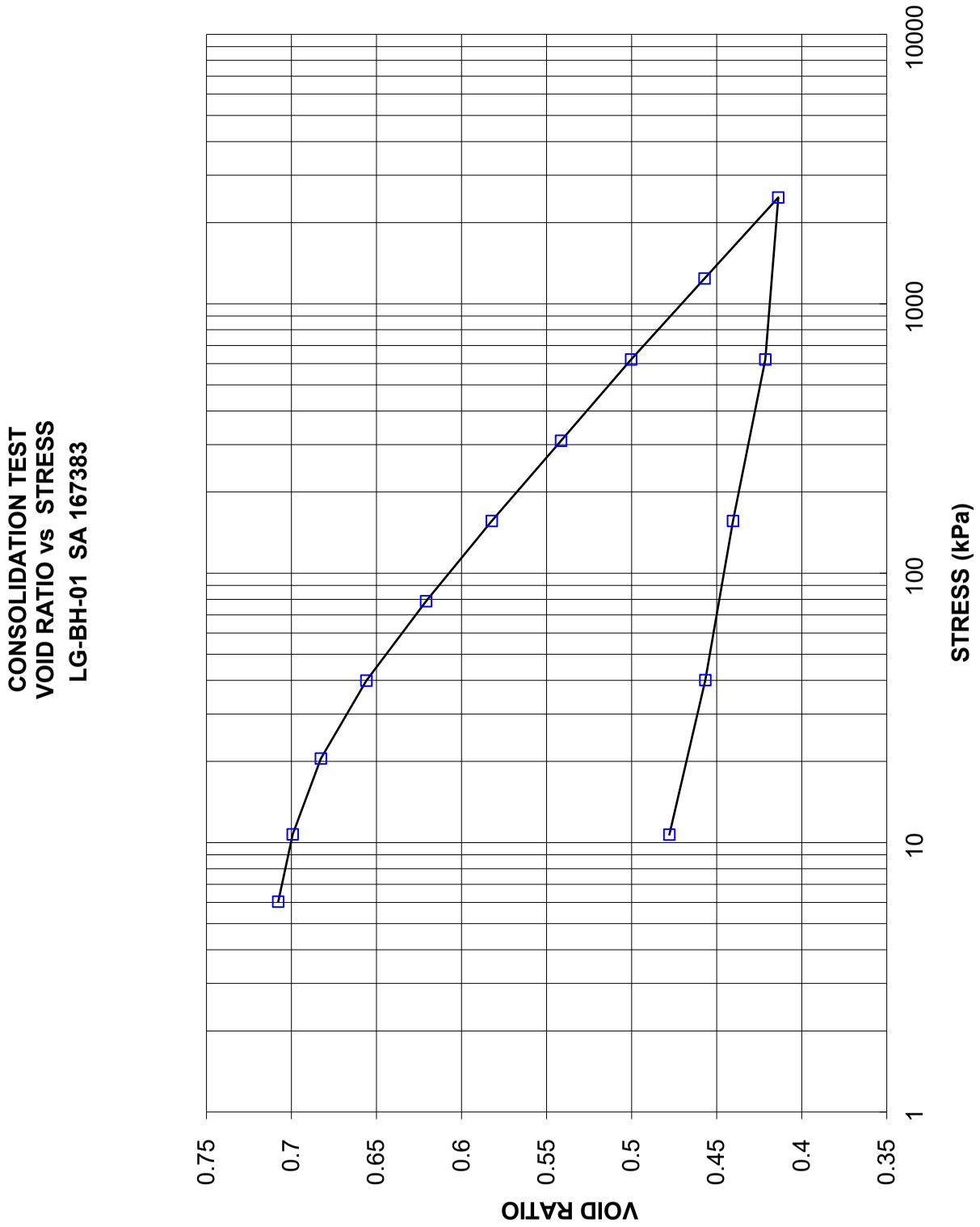
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



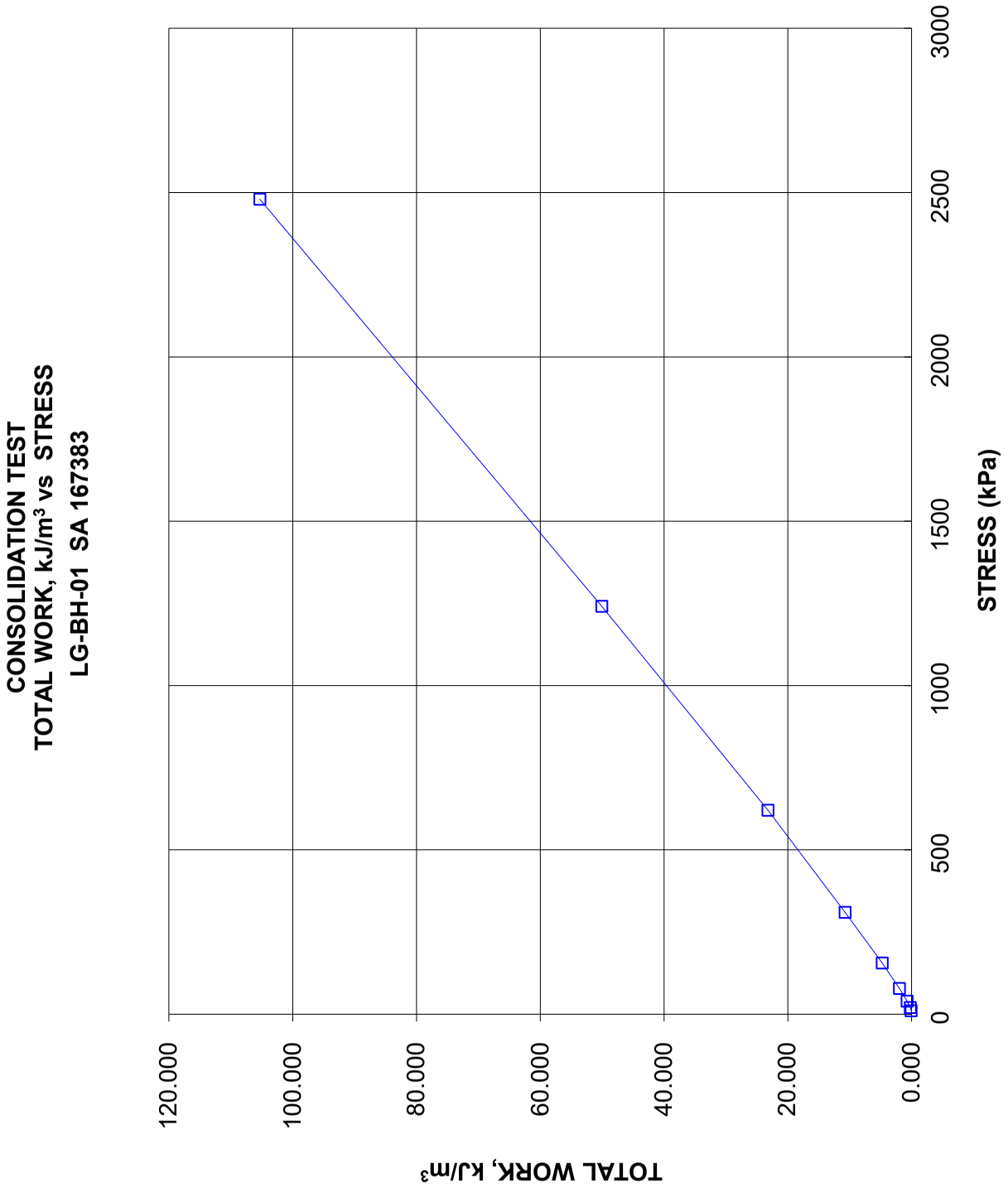
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835	Sample Number	167388
Borehole Number	LG-BH-01	Sample Depth, m	27.74-28.35

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	4		
Date Started	04/28/2022		
Date Completed	05/10/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	21.31
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.23
Area, cm^2	31.54	Specific Gravity, measured	2.71
Volume, cm^3	80.05	Solids Height, cm	1.741
Water Content, %	16.87	Volume of Solids, cm^3	54.91
Wet Mass, g	173.92	Volume of Voids, cm^3	25.14
Dry Mass, g	148.81	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.538	0.458	2.538				
6.15	2.475	0.422	2.507	290	4.59E-03	4.02E-03	1.81E-06
10.90	2.468	0.417	2.471	577	2.24E-03	6.39E-04	1.40E-07
20.97	2.461	0.413	2.464	406	3.17E-03	2.58E-04	8.02E-08
40.19	2.451	0.408	2.456	317	4.03E-03	2.13E-04	8.43E-08
79.14	2.437	0.399	2.444	240	5.27E-03	1.42E-04	7.32E-08
156.67	2.421	0.391	2.429	228	5.49E-03	7.83E-05	4.21E-08
311.36	2.404	0.381	2.413	144	8.57E-03	4.38E-05	3.68E-08
622.35	2.385	0.370	2.394	101	1.20E-02	2.41E-05	2.84E-08
1243.14	2.363	0.357	2.374	60	1.99E-02	1.36E-05	2.66E-08
2485.28	2.338	0.343	2.350	73	1.60E-02	8.22E-06	1.29E-08
622.35	2.343	0.346	2.340				
156.67	2.349	0.349	2.346				
40.25	2.353	0.352	2.351				
10.99	2.359	0.355	2.356				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 4-8cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

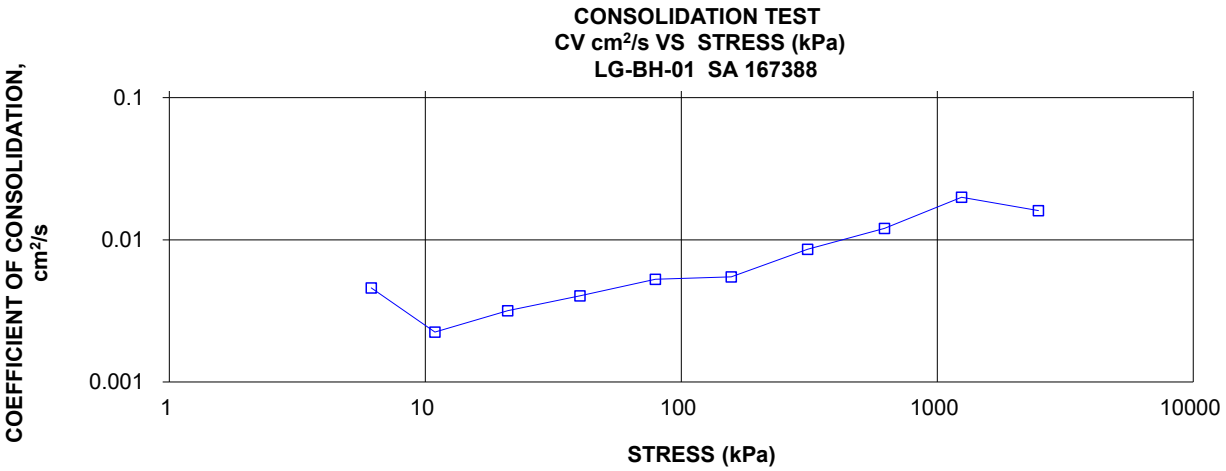
Sample Height, cm	2.36	Unit Weight, kN/m^3	22.18
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	19.61
Area, cm^2	31.54	Specific Gravity, measured	2.71
Volume, cm^3	74.41	Solids Height, cm	1.741
Water Content, %	13.07	Volume of Solids, cm^3	54.91
Wet Mass, g	168.26	Volume of Voids, cm^3	19.49
Dry Mass, g	148.81		

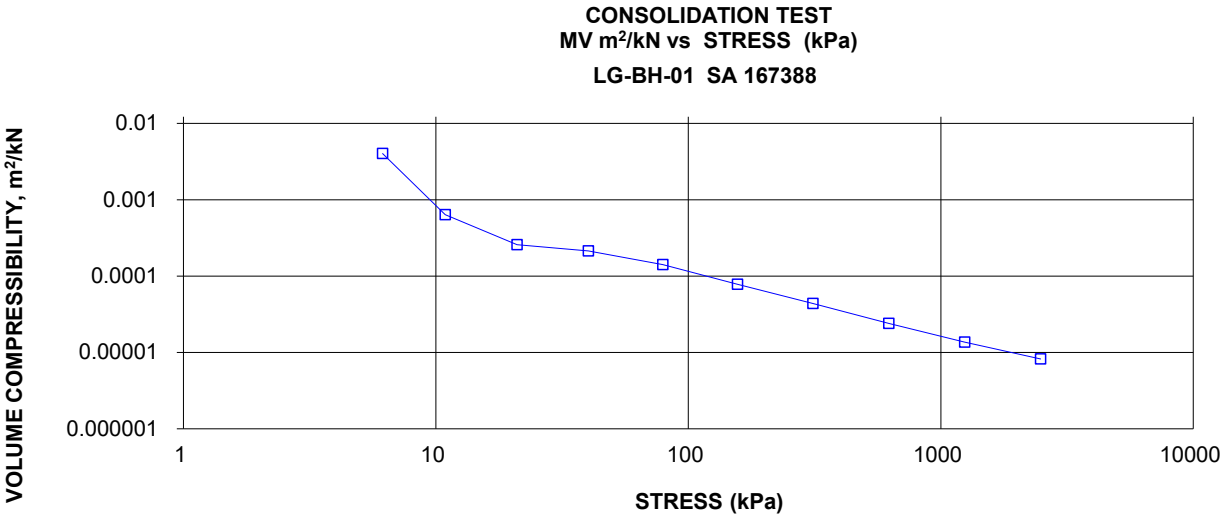
Prepared By: LH

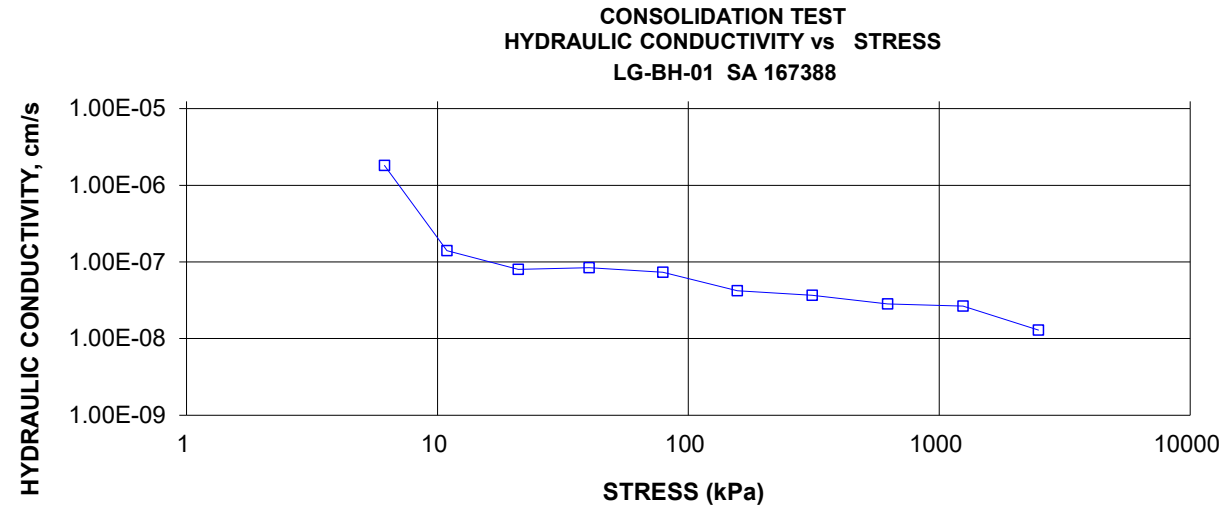
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

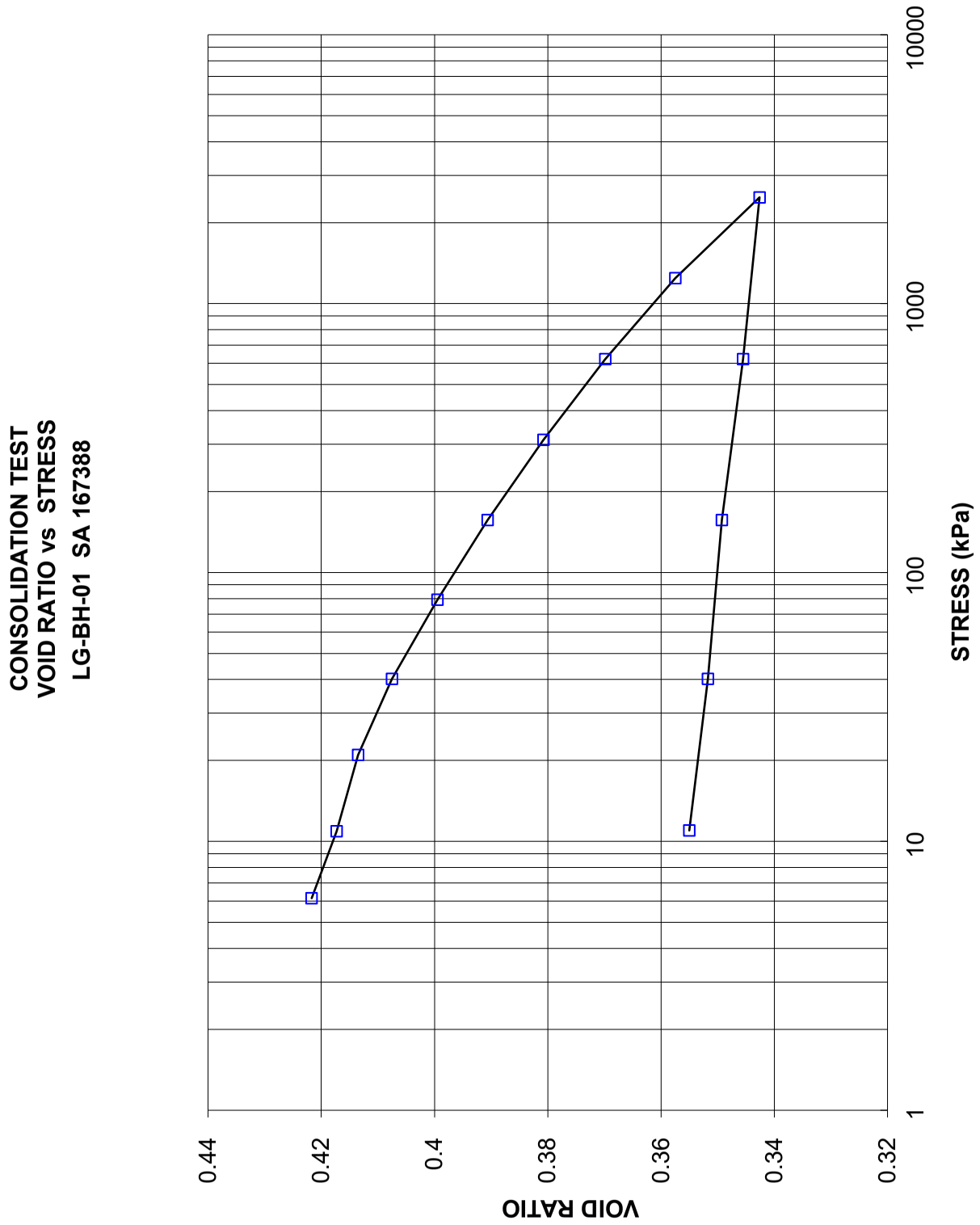
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



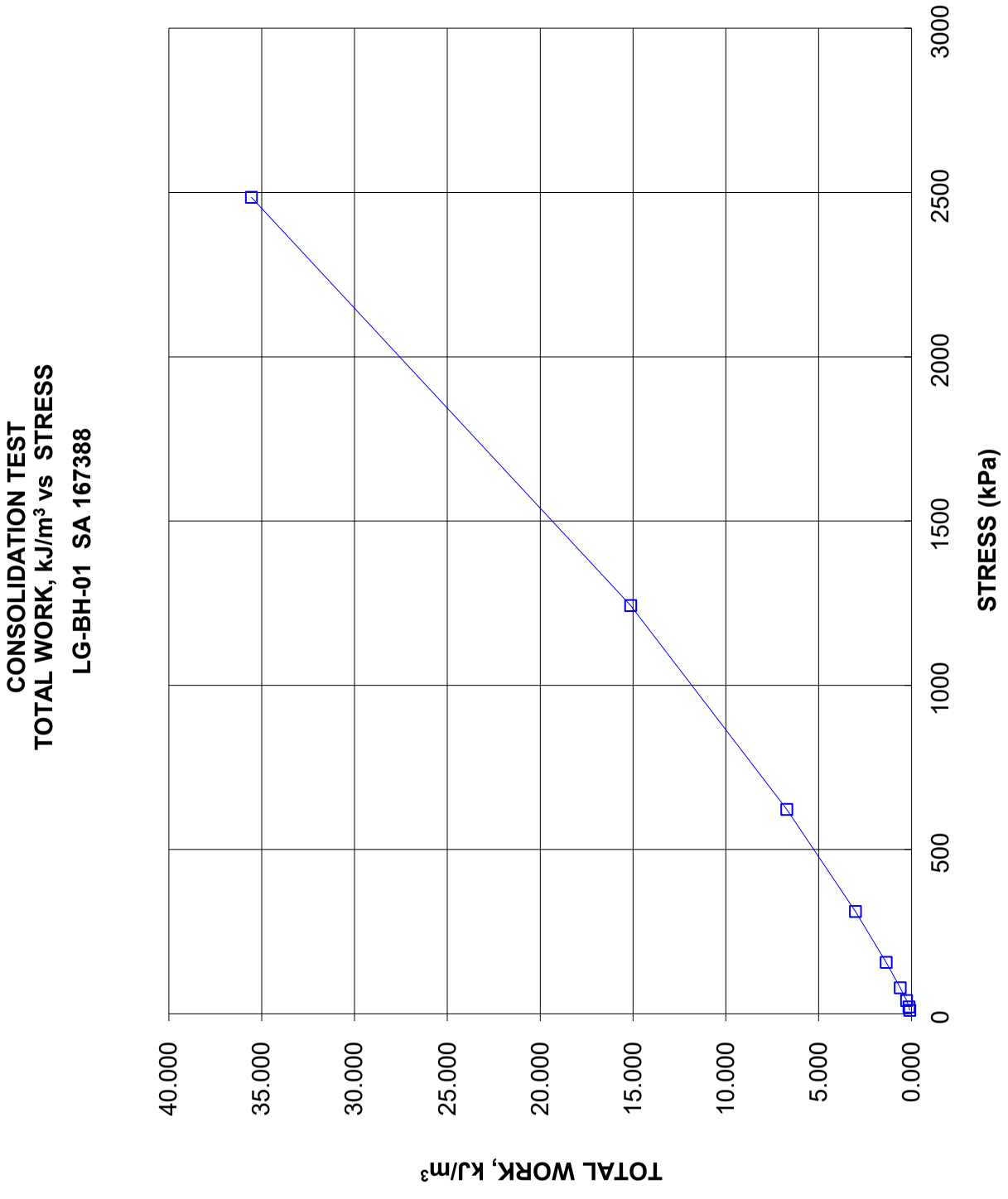
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835(2000)	Sample Number	35203
Borehole Number	OP-BD-10	Sample Depth, m	2.74-3.35

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	2		
Date Started	05/03/2022		
Date Completed	05/13/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	21.05
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	17.91
Area, cm^2	31.52	Specific Gravity, measured	2.69
Volume, cm^3	80.19	Solids Height, cm	1.727
Water Content, %	17.53	Volume of Solids, cm^3	54.43
Wet Mass, g	172.08	Volume of Voids, cm^3	25.76
Dry Mass, g	146.41	Degree of Saturation, %	99.7

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.544	0.473	2.544				
5.93	2.545	0.474	2.544				
10.76	2.542	0.472	2.543	118	1.16E-02	2.44E-04	2.78E-07
20.76	2.538	0.470	2.540	913	1.50E-03	1.42E-04	2.08E-08
40.24	2.526	0.463	2.532	1215	1.12E-03	2.54E-04	2.79E-08
78.94	2.507	0.452	2.516	2535	5.29E-04	1.92E-04	9.96E-09
159.97	2.477	0.434	2.492	1270	1.04E-03	1.47E-04	1.49E-08
312.27	2.440	0.413	2.458	1949	6.57E-04	9.50E-05	6.12E-09
622.96	2.397	0.388	2.418	1009	1.23E-03	5.45E-05	6.57E-09
1244.47	2.348	0.359	2.372	735	1.62E-03	3.11E-05	4.94E-09
2487.00	2.296	0.330	2.322	454	2.52E-03	1.63E-05	4.03E-09
622.96	2.303	0.334	2.300				
159.97	2.317	0.342	2.310				
40.24	2.334	0.352	2.326				
10.68	2.354	0.363	2.344				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 5-20cm from top of the tube.
Specimen swelled under 5.93kPa.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

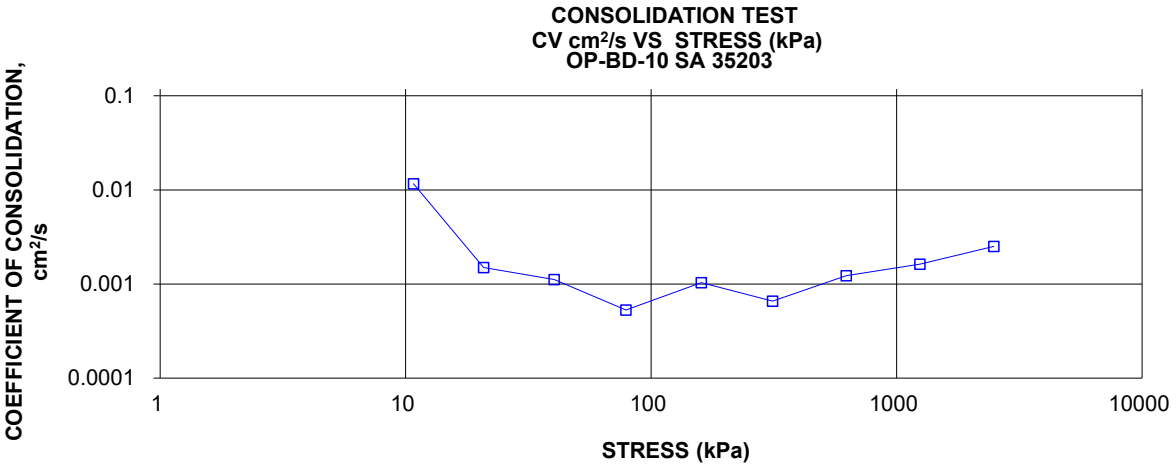
Sample Height, cm	2.35	Unit Weight, kN/m^3	22.11
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	19.35
Area, cm^2	31.52	Specific Gravity, measured	2.69
Volume, cm^3	74.21	Solids Height, cm	1.727
Water Content, %	14.27	Volume of Solids, cm^3	54.43
Wet Mass, g	167.30	Volume of Voids, cm^3	19.78
Dry Mass, g	146.41		

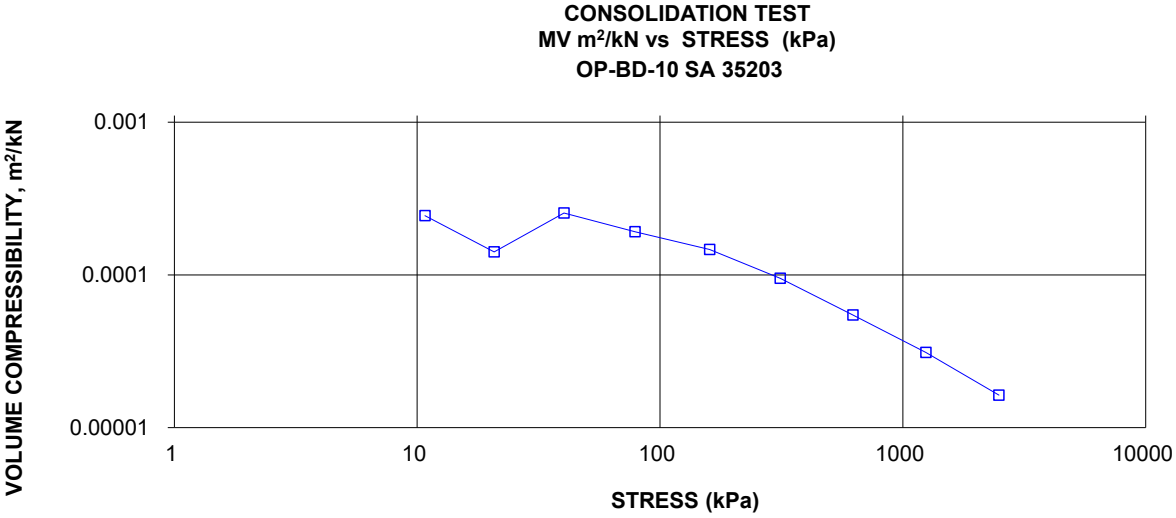
Prepared By: LH

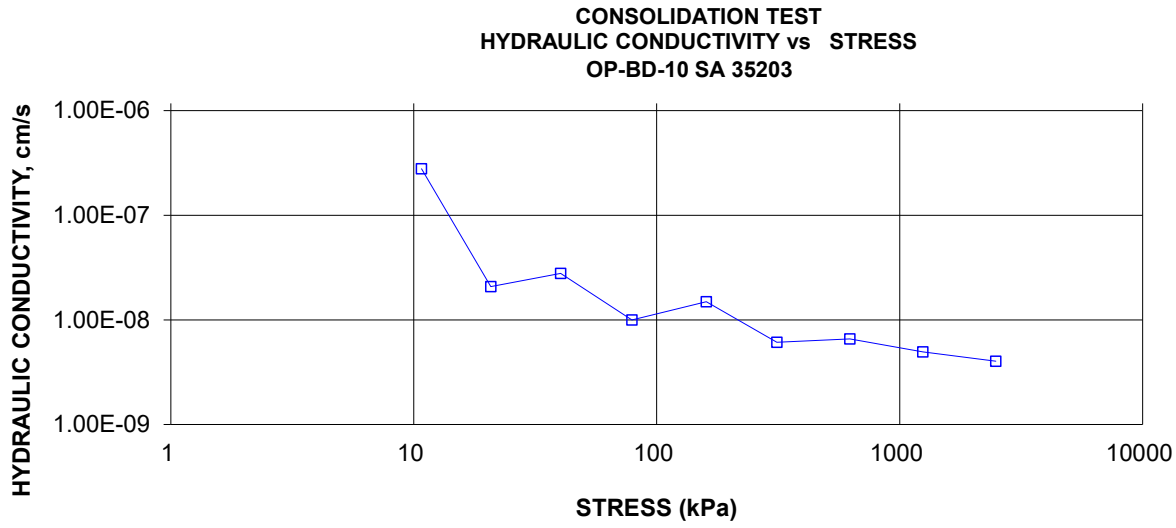
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







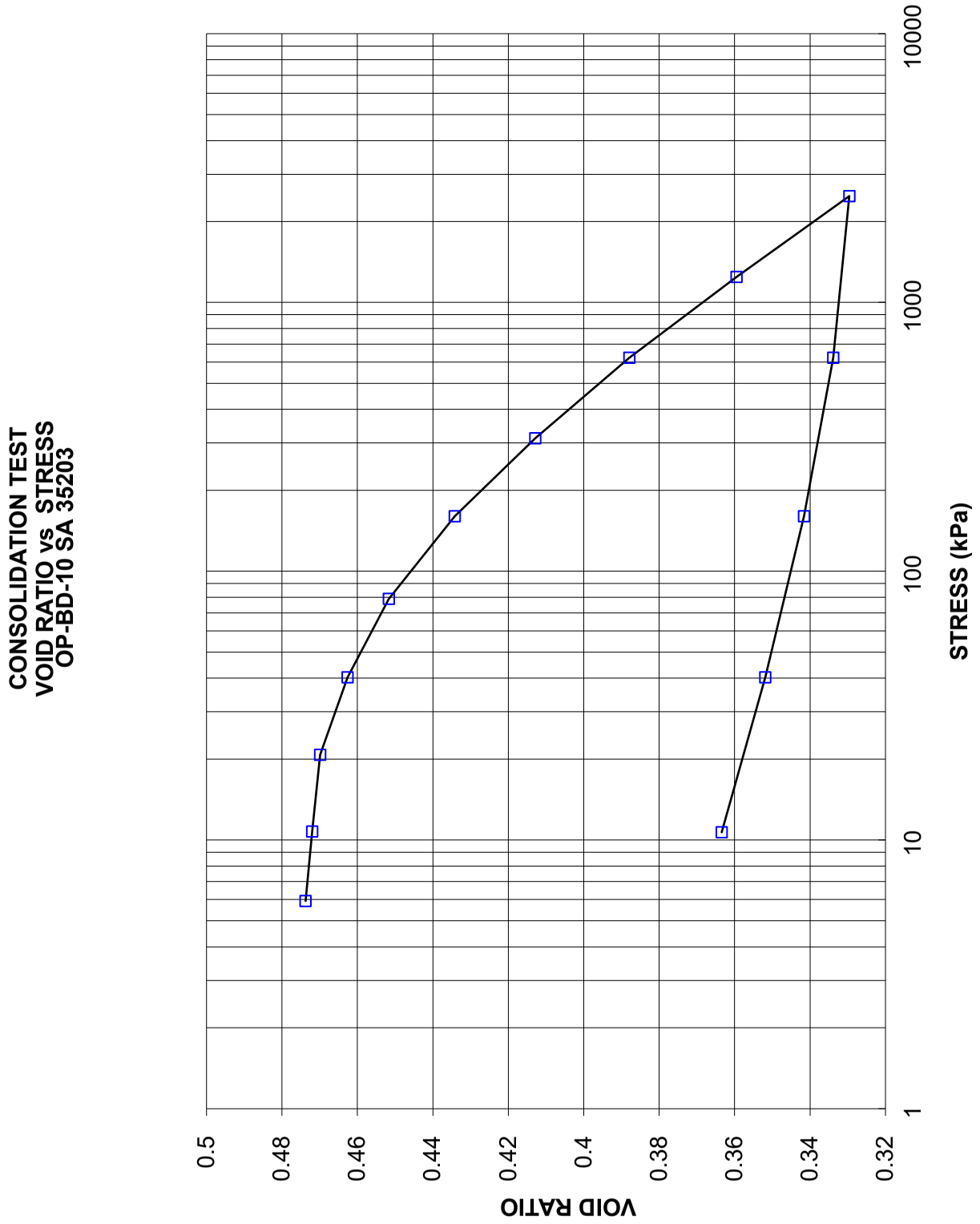
Project No. 21504835(2000)

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST VOID RATIO VS LOG STRESS	FIGURE



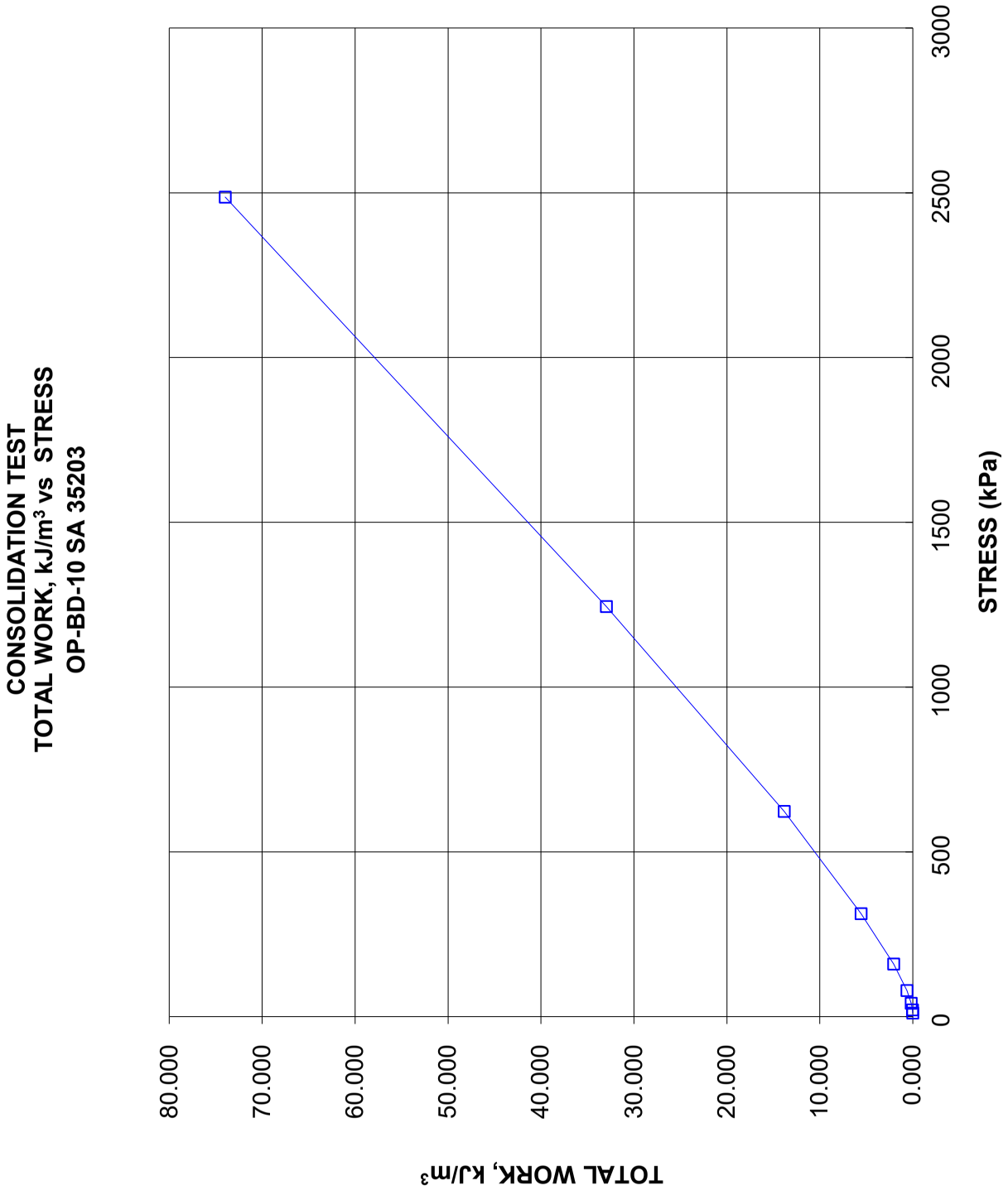
Project No. 21504835(2000)

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835(2000)
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835	Sample Number	35220
Borehole Number	OP-BH-04	Sample Depth, m	2.44-3.05

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	7		
Date Started	04/28/2022		
Date Completed	05/08/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	1.90	Unit Weight, kN/m^3	20.99
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	17.65
Area, cm^2	31.58	Specific Gravity, measured	2.73
Volume, cm^3	60.00	Solids Height, cm	1.253
Water Content, %	18.92	Volume of Solids, cm^3	39.56
Wet Mass, g	128.42	Volume of Voids, cm^3	20.44
Dry Mass, g	107.99	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	1.900	0.517	1.900				
6.01	1.898	0.515	1.899	10	7.65E-02	1.56E-04	1.17E-06
10.75	1.897	0.514	1.897	73	1.05E-02	1.83E-04	1.88E-07
20.63	1.893	0.511	1.895	135	5.64E-03	1.89E-04	1.04E-07
39.97	1.890	0.509	1.891	118	6.43E-03	8.38E-05	5.28E-08
78.78	1.885	0.505	1.887	135	5.59E-03	6.74E-05	3.70E-08
156.36	1.879	0.500	1.882	101	7.44E-03	3.89E-05	2.83E-08
311.18	1.871	0.494	1.875	184	4.05E-03	2.86E-05	1.13E-08
621.31	1.861	0.486	1.866	73	1.01E-02	1.65E-05	1.64E-08
1241.39	1.848	0.475	1.855	34	2.14E-02	1.11E-05	2.33E-08
2481.97	1.835	0.465	1.841	60	1.20E-02	5.75E-06	6.75E-09
621.31	1.838	0.467	1.836				
159.66	1.843	0.471	1.840				
39.97	1.849	0.476	1.846				
6.01	1.856	0.482	1.852				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 4-10cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	1.86	Unit Weight, kN/m^3	21.18
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.07
Area, cm^2	31.58	Specific Gravity, measured	2.73
Volume, cm^3	58.61	Solids Height, cm	1.253
Water Content, %	17.20	Volume of Solids, cm^3	39.56
Wet Mass, g	126.56	Volume of Voids, cm^3	19.05
Dry Mass, g	107.99		

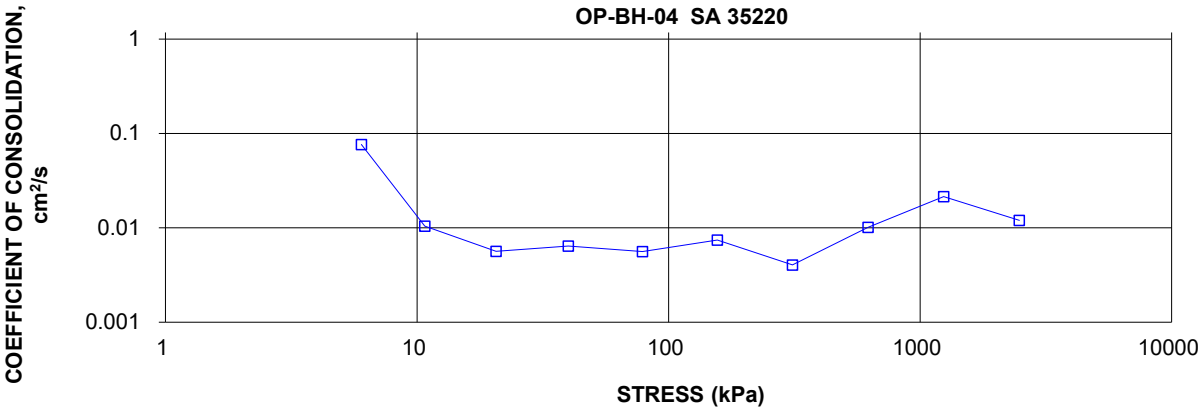
Prepared By: LH

Golder Associates

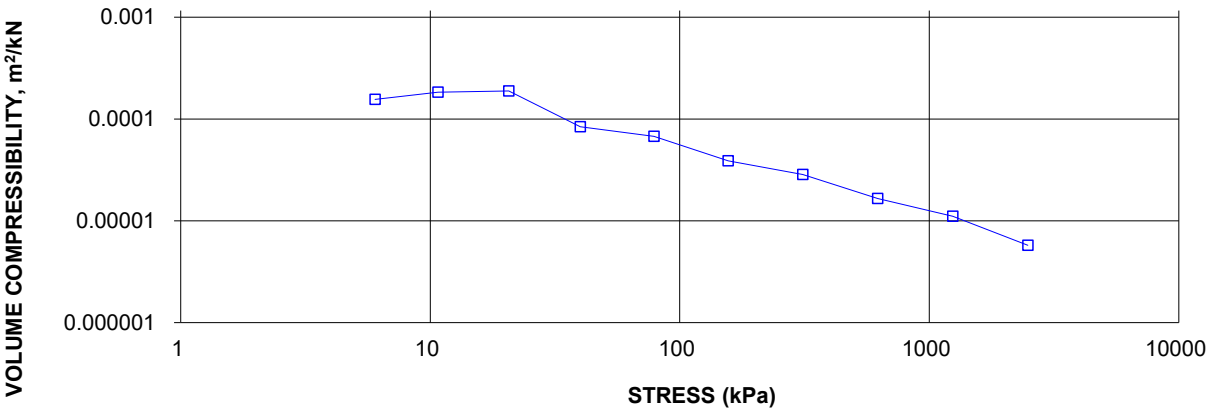
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

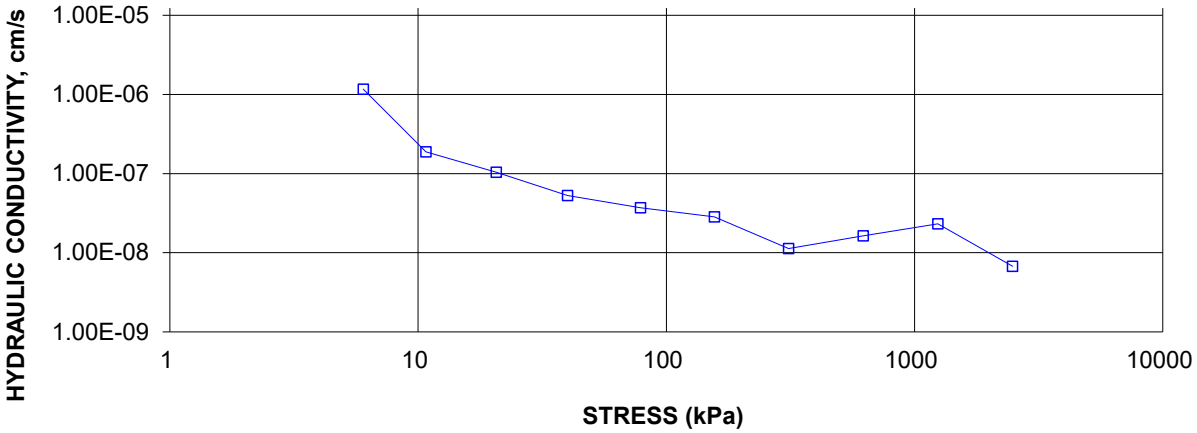
CONSOLIDATION TEST
CV cm^2/s VS STRESS (kPa)
OP-BH-04 SA 35220



CONSOLIDATION TEST
MV m^2/kN vs STRESS (kPa)
OP-BH-04 SA 35220

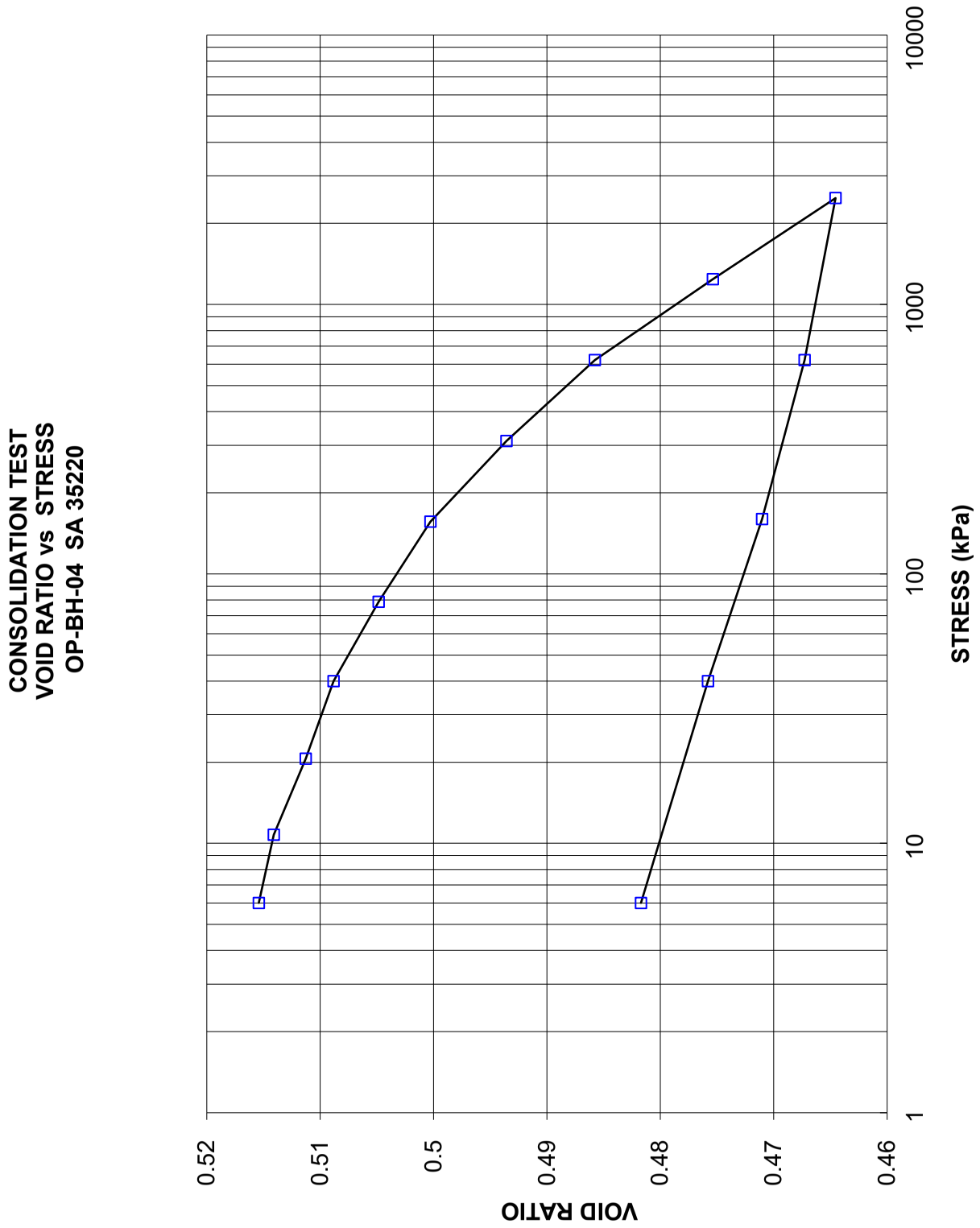


CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
OP-BH-04 SA 35220



Project No. 21504835
Prepared By: LH
Golder Associates
Checked By: MM

CONSOLIDATION TEST VOID RATIO VS LOG STRESS	FIGURE



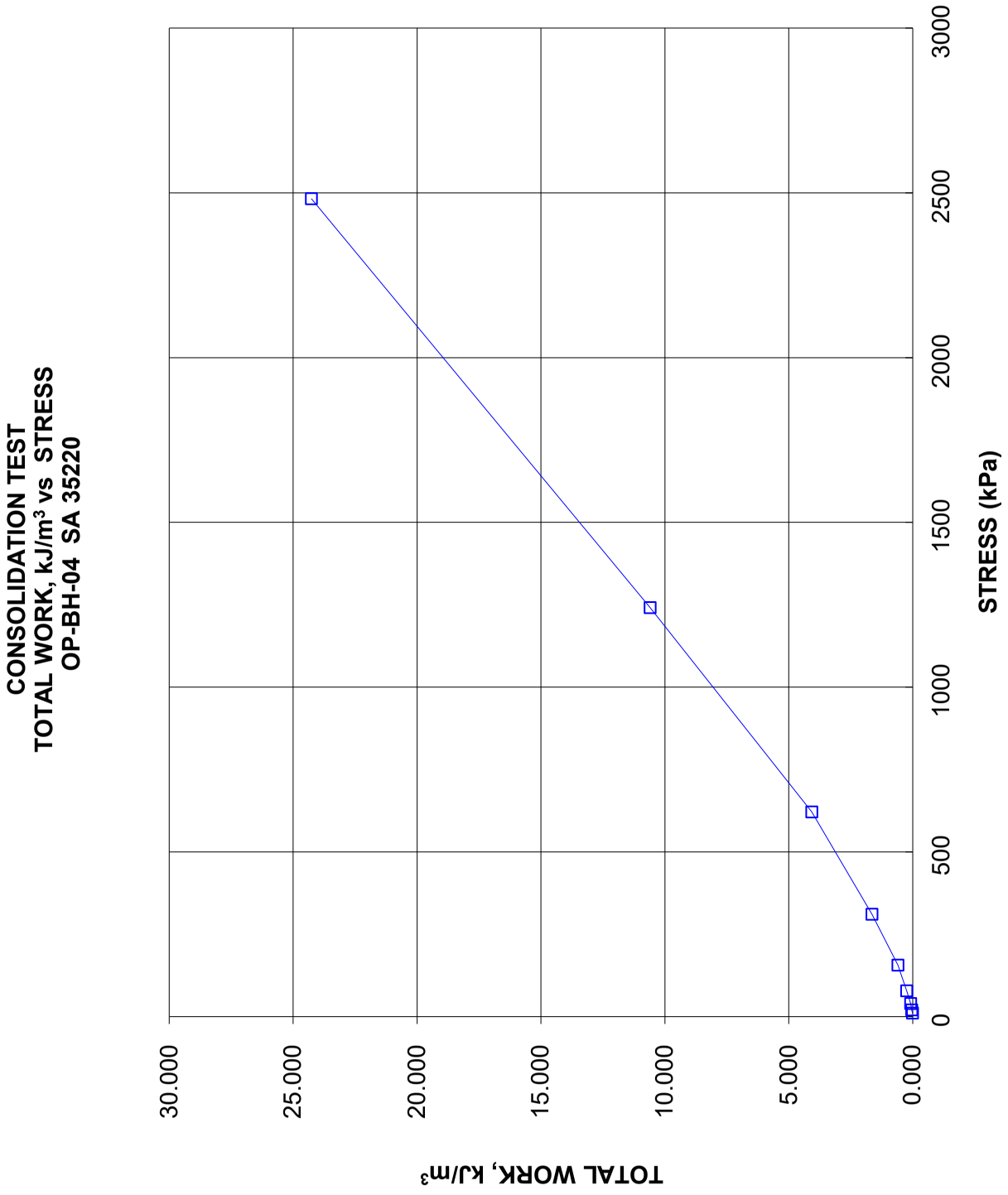
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835	Sample Number	35165
Borehole Number	SRK21-OP-BD-12	Sample Depth, m	7.16-7.77

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	7		
Date Started	02/25/2022		
Date Completed	03/08/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	1.90	Unit Weight, kN/m^3	20.59
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	17.07
Area, cm^2	31.58	Specific Gravity, measured	2.73
Volume, cm^3	60.00	Solids Height, cm	1.211
Water Content, %	20.61	Volume of Solids, cm^3	38.26
Wet Mass, g	125.97	Volume of Voids, cm^3	21.74
Dry Mass, g	104.44	Degree of Saturation, %	99.0

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	1.900	0.568	1.900				
5.88	1.898	0.567	1.899	9	8.50E-02	1.59E-04	1.33E-06
10.73	1.895	0.564	1.896	375	2.03E-03	3.96E-04	7.89E-08
20.21	1.888	0.559	1.891	505	1.50E-03	3.63E-04	5.34E-08
39.91	1.876	0.549	1.882	1109	6.77E-04	3.23E-04	2.14E-08
78.78	1.855	0.531	1.865	1750	4.22E-04	2.84E-04	1.17E-08
156.24	1.826	0.508	1.841	1325	5.42E-04	1.95E-04	1.04E-08
311.32	1.786	0.474	1.806	960	7.20E-04	1.37E-04	9.68E-09
621.45	1.743	0.439	1.764	614	1.07E-03	7.25E-05	7.64E-09
1241.94	1.699	0.403	1.721	437	1.44E-03	3.74E-05	5.26E-09
2481.58	1.654	0.365	1.676	154	3.87E-03	1.93E-05	7.33E-09
621.45	1.660	0.370	1.657				
156.24	1.675	0.382	1.667				
39.97	1.691	0.396	1.683				
10.70	1.714	0.415	1.702				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 9.5-13cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

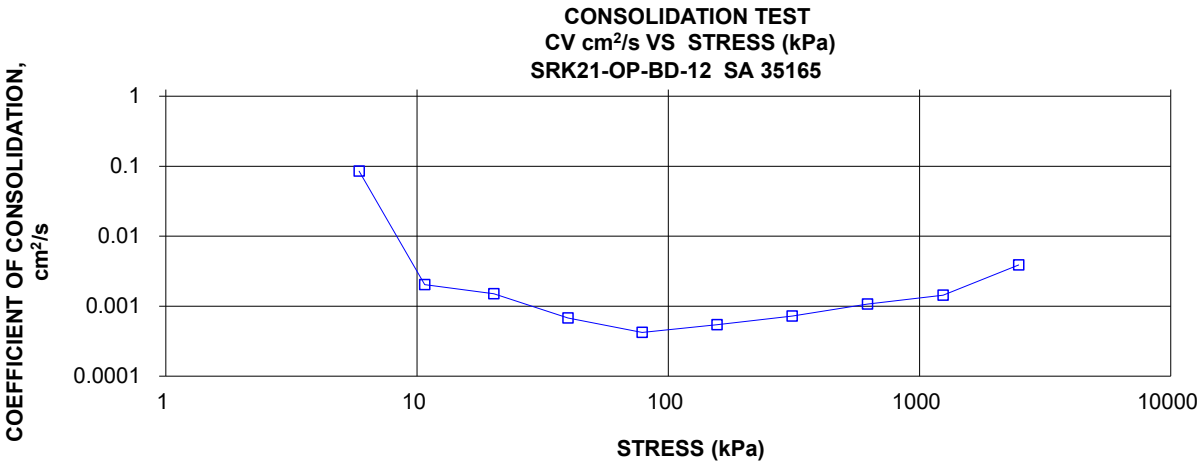
Sample Height, cm	1.71	Unit Weight, kN/m^3	21.89
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.92
Area, cm^2	31.58	Specific Gravity, measured	2.73
Volume, cm^3	54.13	Solids Height, cm	1.211
Water Content, %	15.66	Volume of Solids, cm^3	38.26
Wet Mass, g	120.80	Volume of Voids, cm^3	15.87
Dry Mass, g	104.44		

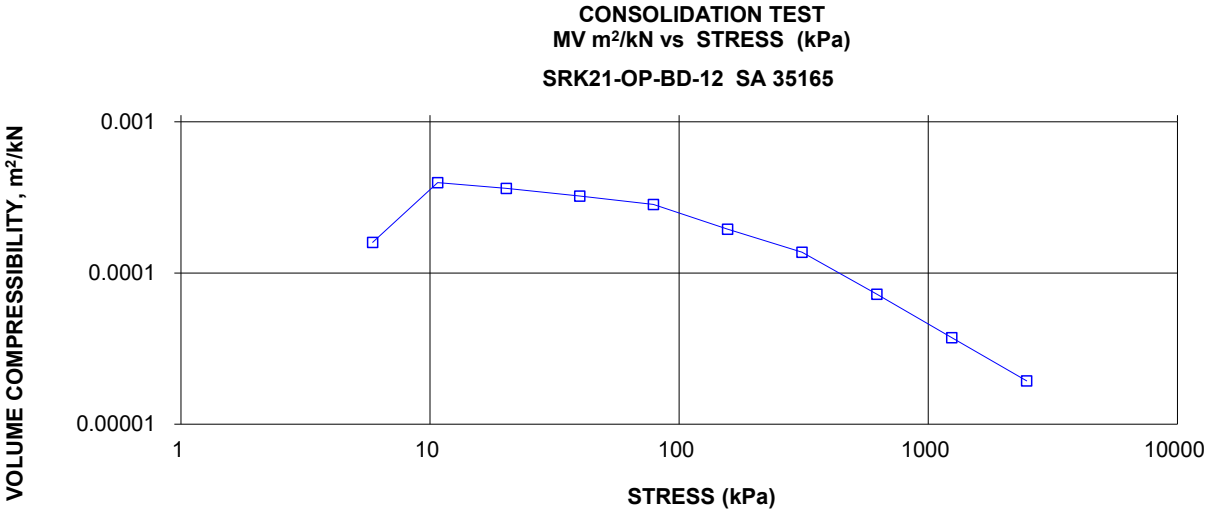
Prepared By: LH

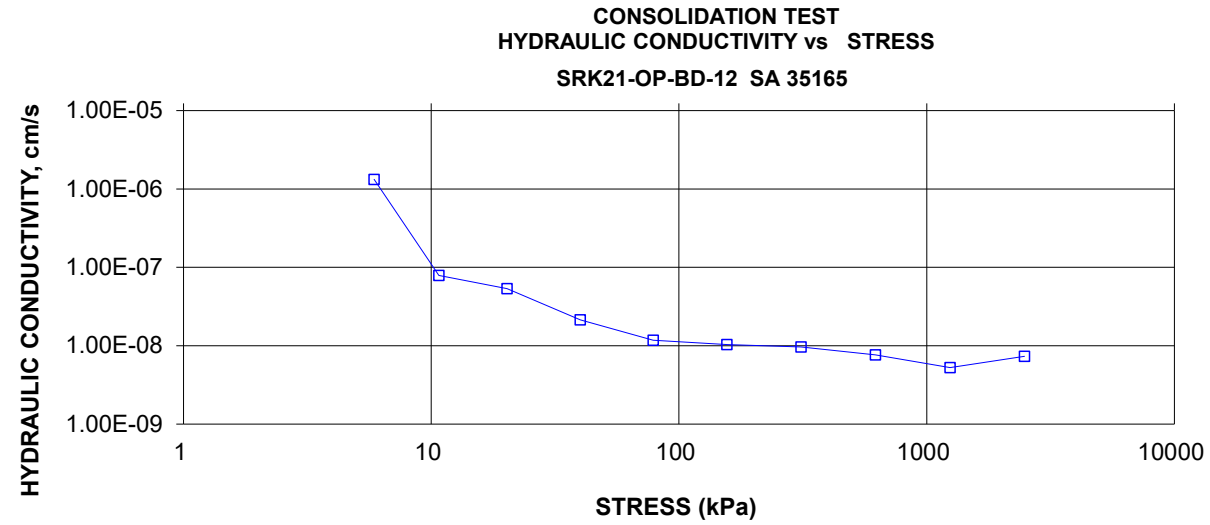
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







Project No. 21504835

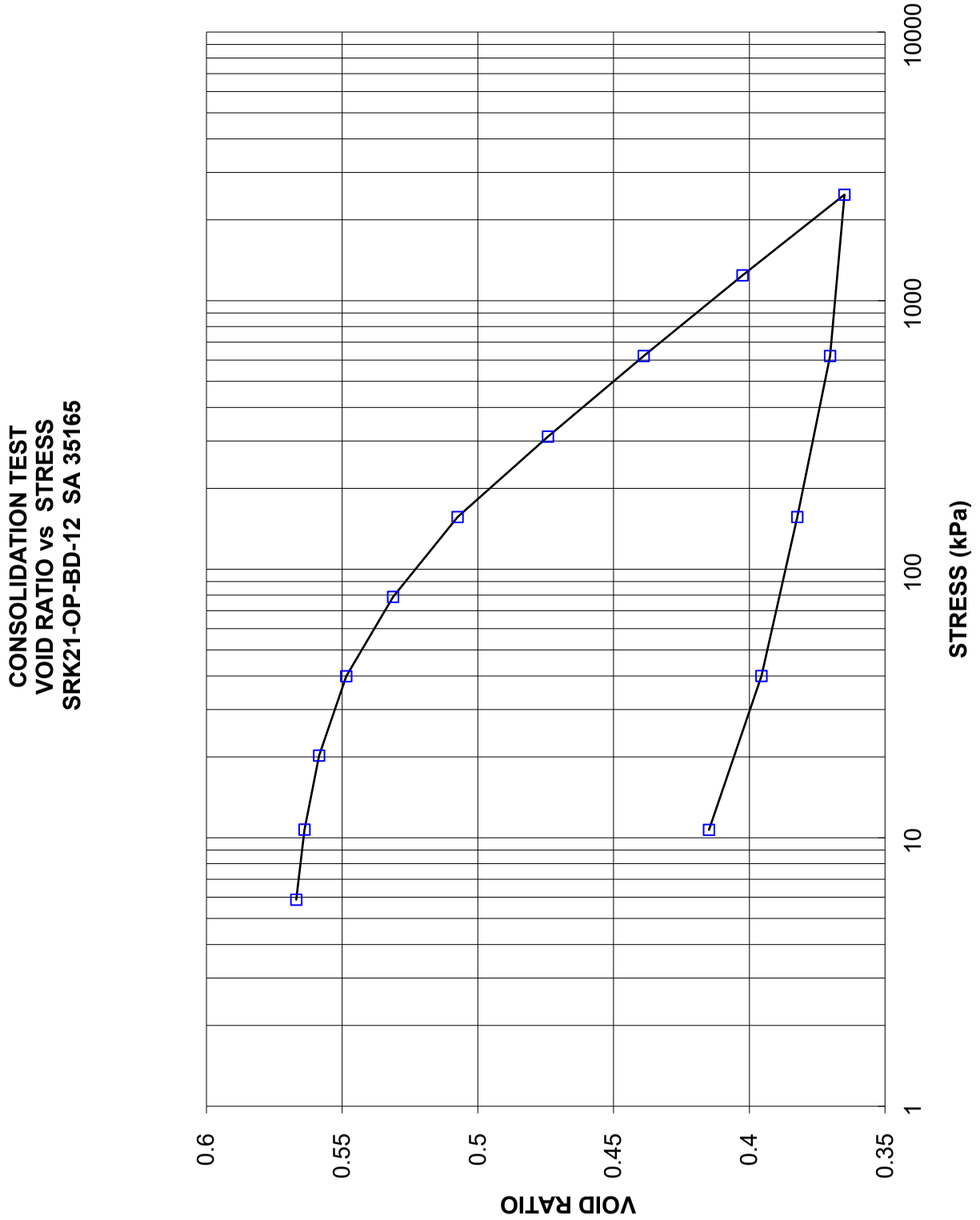
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
VOID RATIO VS LOG STRESS

FIGURE



Project No.21504835

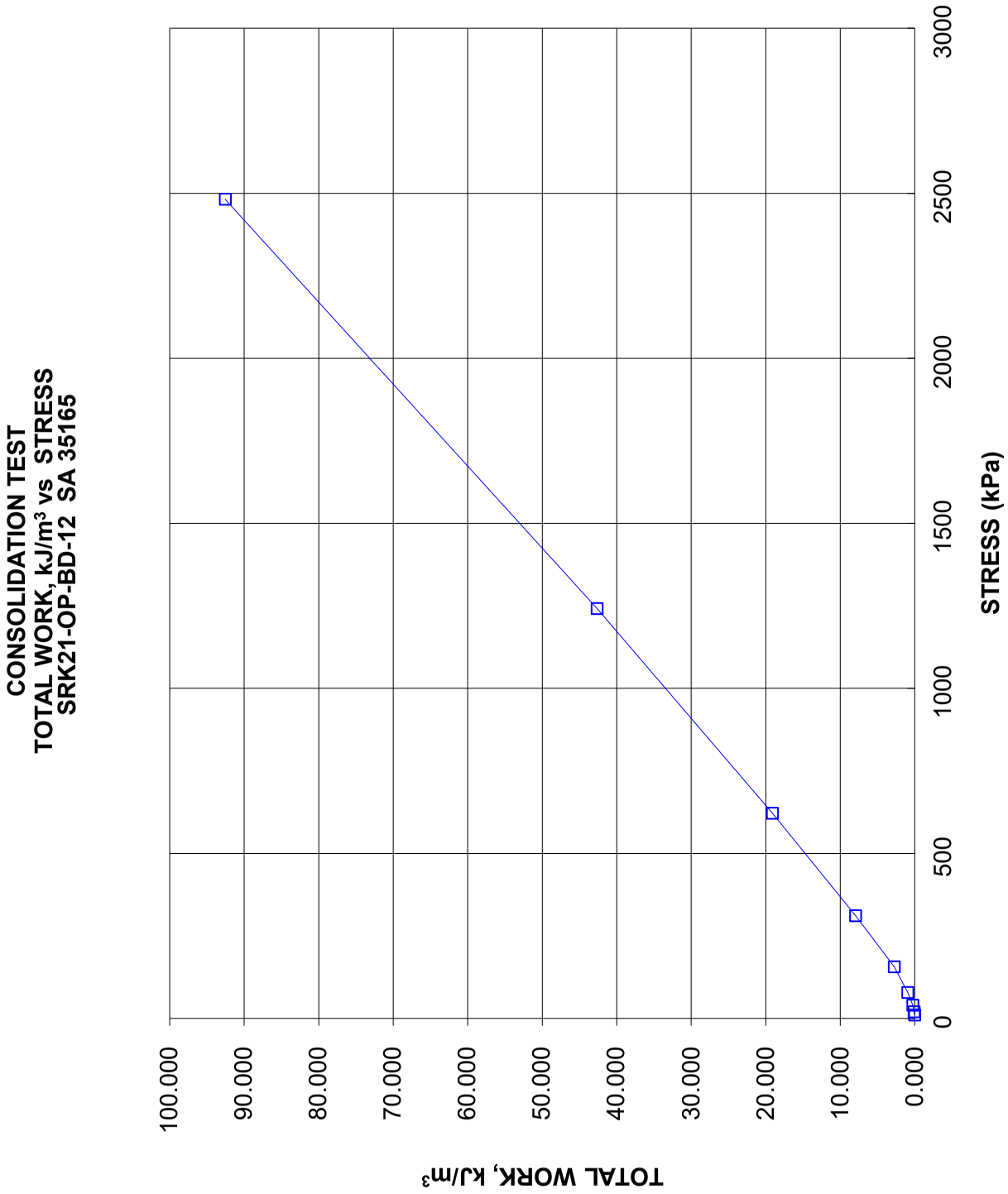
Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST
TOTAL WORK VS STRESS

FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21473972	Sample Number	167304
Borehole Number	SRK22-TSF-BH23	Sample Depth, m	3.66-4.27

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	1		
Date Started	5/31/2022		
Date Completed	6/10/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.53	Unit Weight, kN/m^3	20.58
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	17.13
Area, cm^2	31.61	Specific Gravity, measured	2.70
Volume, cm^3	80.07	Solids Height, cm	1.639
Water Content, %	20.15	Volume of Solids, cm^3	51.80
Wet Mass, g	168.06	Volume of Voids, cm^3	28.26
Dry Mass, g	139.87	Degree of Saturation, %	99.7

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.533	0.546	2.533				
6.04	2.533	0.545	2.533	7	1.94E-01	1.31E-05	2.49E-07
10.65	2.532	0.545	2.533	252	5.40E-03	4.28E-05	2.26E-08
20.70	2.529	0.543	2.531	821	1.65E-03	1.30E-04	2.10E-08
39.93	2.520	0.537	2.524	844	1.60E-03	1.95E-04	3.06E-08
78.71	2.503	0.527	2.511	1084	1.23E-03	1.70E-04	2.05E-08
156.05	2.476	0.511	2.489	821	1.60E-03	1.36E-04	2.14E-08
310.88	2.427	0.481	2.452	1009	1.26E-03	1.25E-04	1.54E-08
621.00	2.358	0.438	2.392	1441	8.42E-04	8.87E-05	7.32E-09
1240.58	2.289	0.397	2.323	778	1.47E-03	4.37E-05	6.30E-09
2481.11	2.224	0.357	2.257	540	2.00E-03	2.06E-05	4.03E-09
621.00	2.233	0.362	2.228				
156.22	2.246	0.371	2.239				
39.88	2.269	0.385	2.258				
10.73	2.291	0.398	2.280				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 4-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

Sample Height, cm	2.29	Unit Weight, kN/m^3	21.88
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	18.95
Area, cm^2	31.61	Specific Gravity, measured	2.70
Volume, cm^3	72.40	Solids Height, cm	1.639
Water Content, %	15.48	Volume of Solids, cm^3	51.80
Wet Mass, g	161.52	Volume of Voids, cm^3	20.60
Dry Mass, g	139.87		

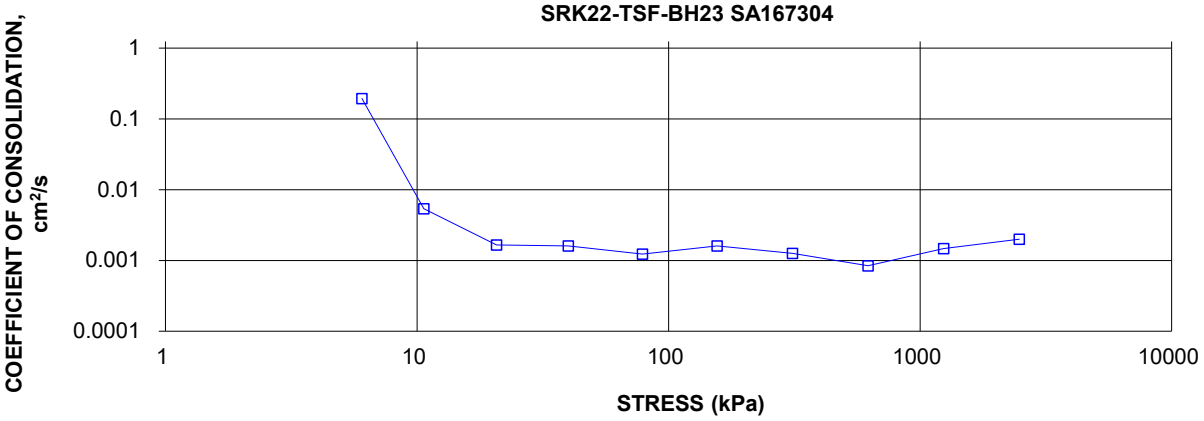
Prepared By: LH

Golder Associates

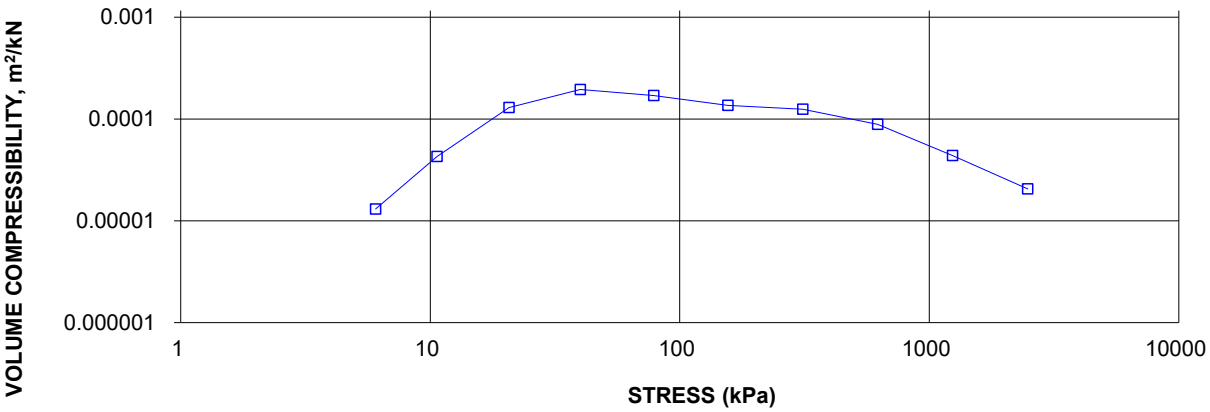
Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE

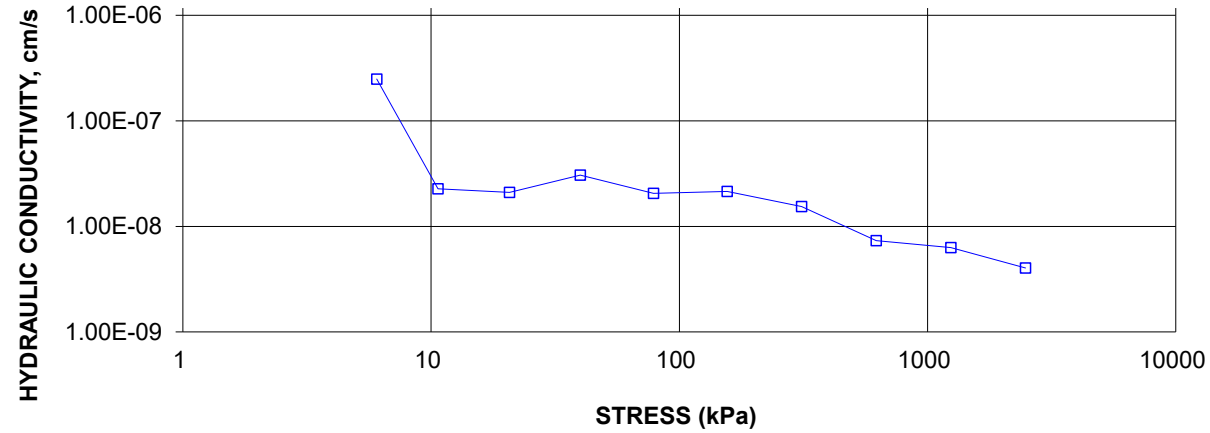
CONSOLIDATION TEST
CV cm^2/s VS STRESS (kPa)
SRK22-TSF-BH23 SA167304



CONSOLIDATION TEST
MV m^2/kN vs STRESS (kPa)
SRK22-TSF-BH23 SA167304



CONSOLIDATION TEST
HYDRAULIC CONDUCTIVITY vs STRESS
SRK22-TSF-BH23 SA167304



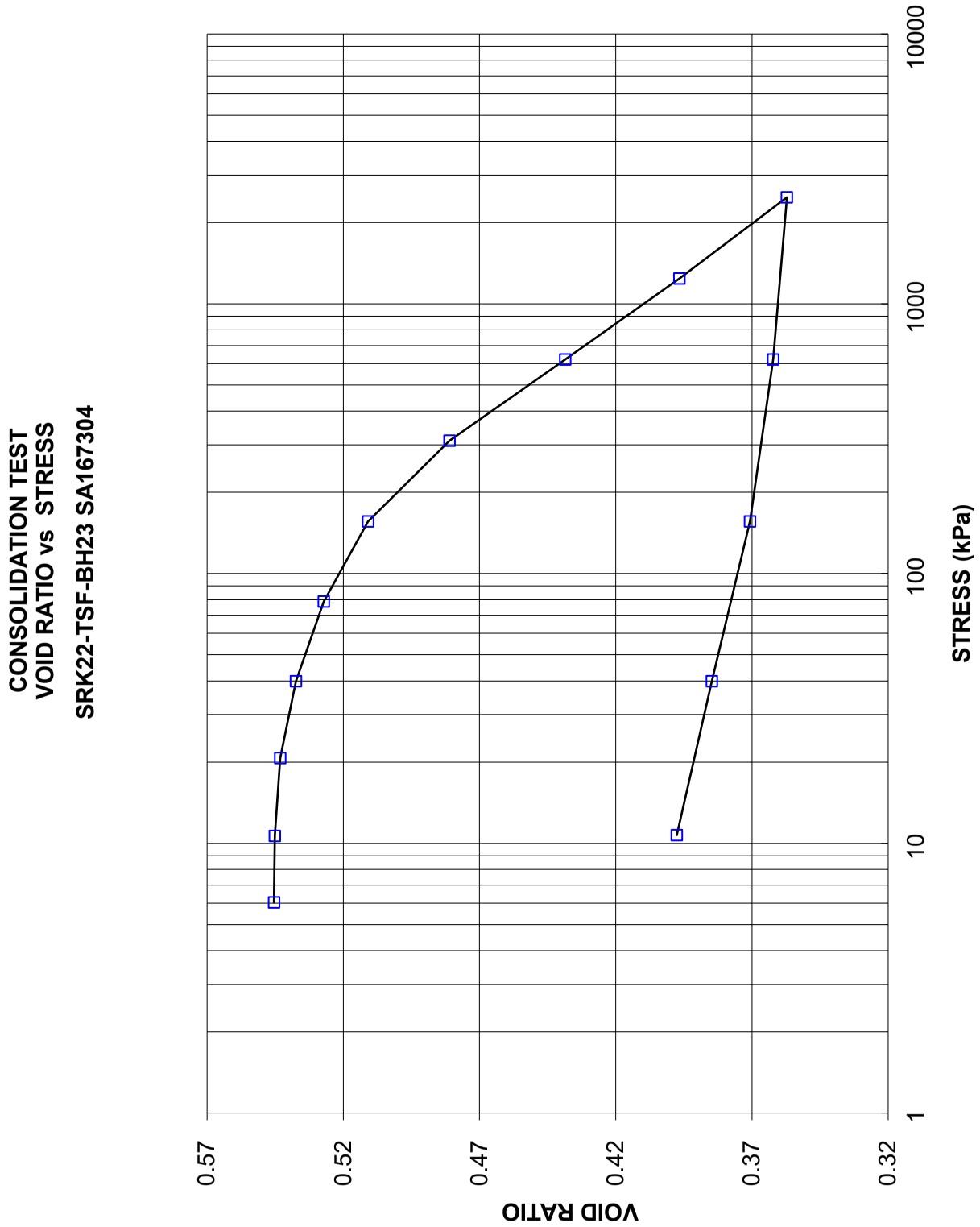
Project No. 21473972

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST VOID RATIO VS LOG STRESS	FIGURE



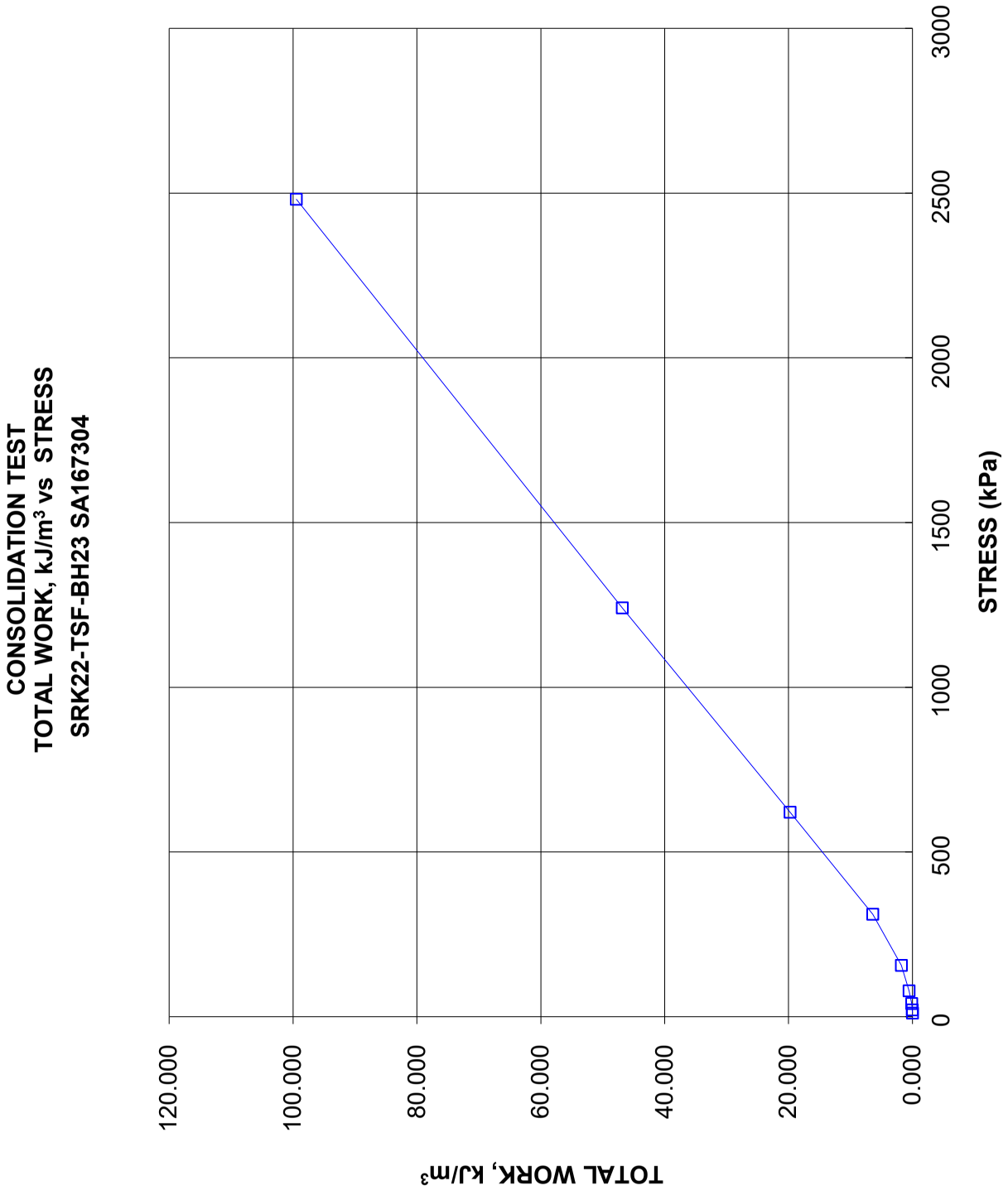
Project No. 21473972

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21473972

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21473972	Sample Number	168401
Borehole Number	SRK22-TSF-BH31	Sample Depth, m	3.66-4.27

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	2		
Date Started	5/31/2022		
Date Completed	6/12/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	2.54	Unit Weight, kN/m^3	17.84
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	12.68
Area, cm^2	31.52	Specific Gravity, measured	2.73
Volume, cm^3	80.19	Solids Height, cm	1.205
Water Content, %	40.63	Volume of Solids, cm^3	37.99
Wet Mass, g	145.85	Volume of Voids, cm^3	42.20
Dry Mass, g	103.71	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	2.544	1.111	2.544				
6.06	2.532	1.101	2.538	4699	2.91E-04	7.91E-04	2.25E-08
10.68	2.521	1.092	2.526	4646	2.91E-04	9.36E-04	2.67E-08
20.76	2.497	1.072	2.509	4234	3.15E-04	9.20E-04	2.84E-08
40.05	2.463	1.043	2.480	3154	4.13E-04	7.05E-04	2.86E-08
78.94	2.411	1.000	2.437	3375	3.73E-04	5.25E-04	1.92E-08
156.50	2.347	0.947	2.379	2419	4.96E-04	3.25E-04	1.58E-08
311.83	2.267	0.881	2.307	1297	8.70E-04	2.02E-04	1.72E-08
622.54	2.182	0.810	2.224	960	1.09E-03	1.08E-04	1.15E-08
1244.03	2.097	0.739	2.139	634	1.53E-03	5.38E-05	8.07E-09
2486.96	2.013	0.670	2.055	470	1.90E-03	2.64E-05	4.93E-09
622.54	2.027	0.682	2.020				
156.54	2.059	0.708	2.043				
40.00	2.099	0.742	2.079				
10.78	2.126	0.764	2.113				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 6-10cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

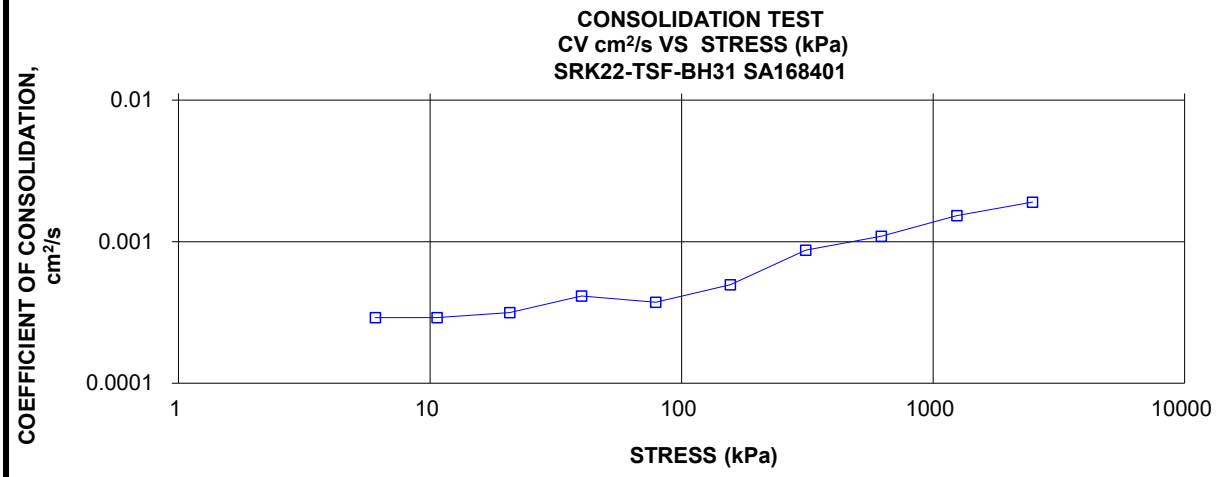
Sample Height, cm	2.13	Unit Weight, kN/m^3	19.46
Sample Diameter, cm	6.34	Dry Unit Weight, kN/m^3	15.18
Area, cm^2	31.52	Specific Gravity, measured	2.73
Volume, cm^3	67.02	Solids Height, cm	1.205
Water Content, %	28.20	Volume of Solids, cm^3	37.99
Wet Mass, g	132.96	Volume of Voids, cm^3	29.03
Dry Mass, g	103.71		

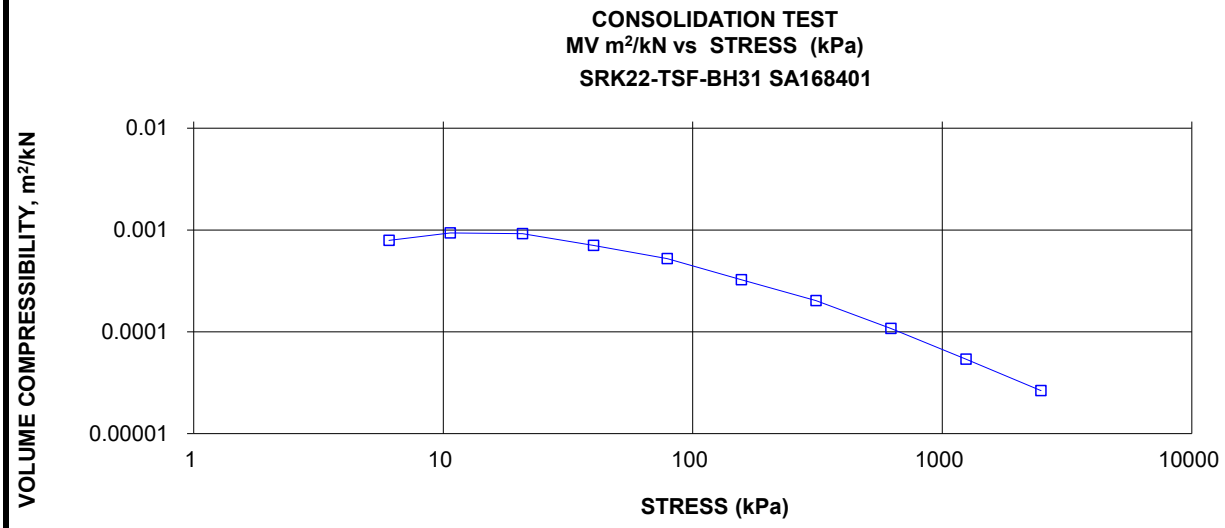
Prepared By: LH

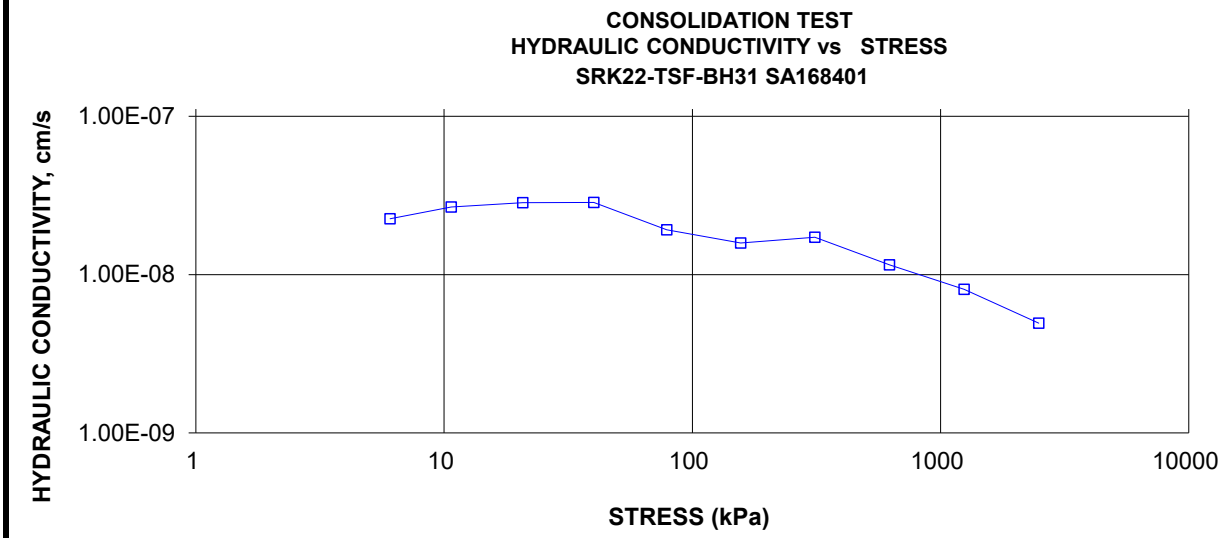
Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY	FIGURE







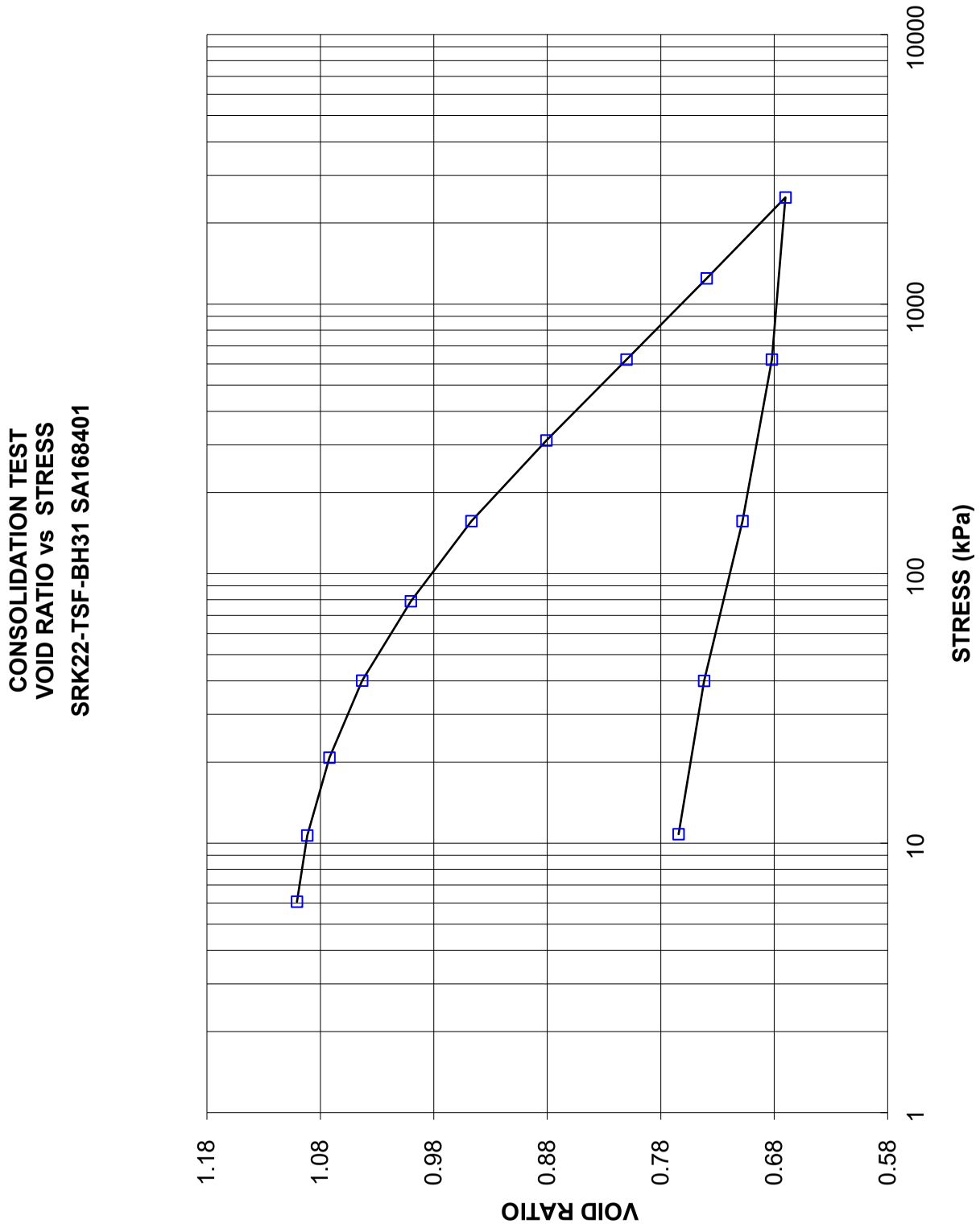
Project No. 21473972

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST VOID RATIO VS LOG STRESS	FIGURE



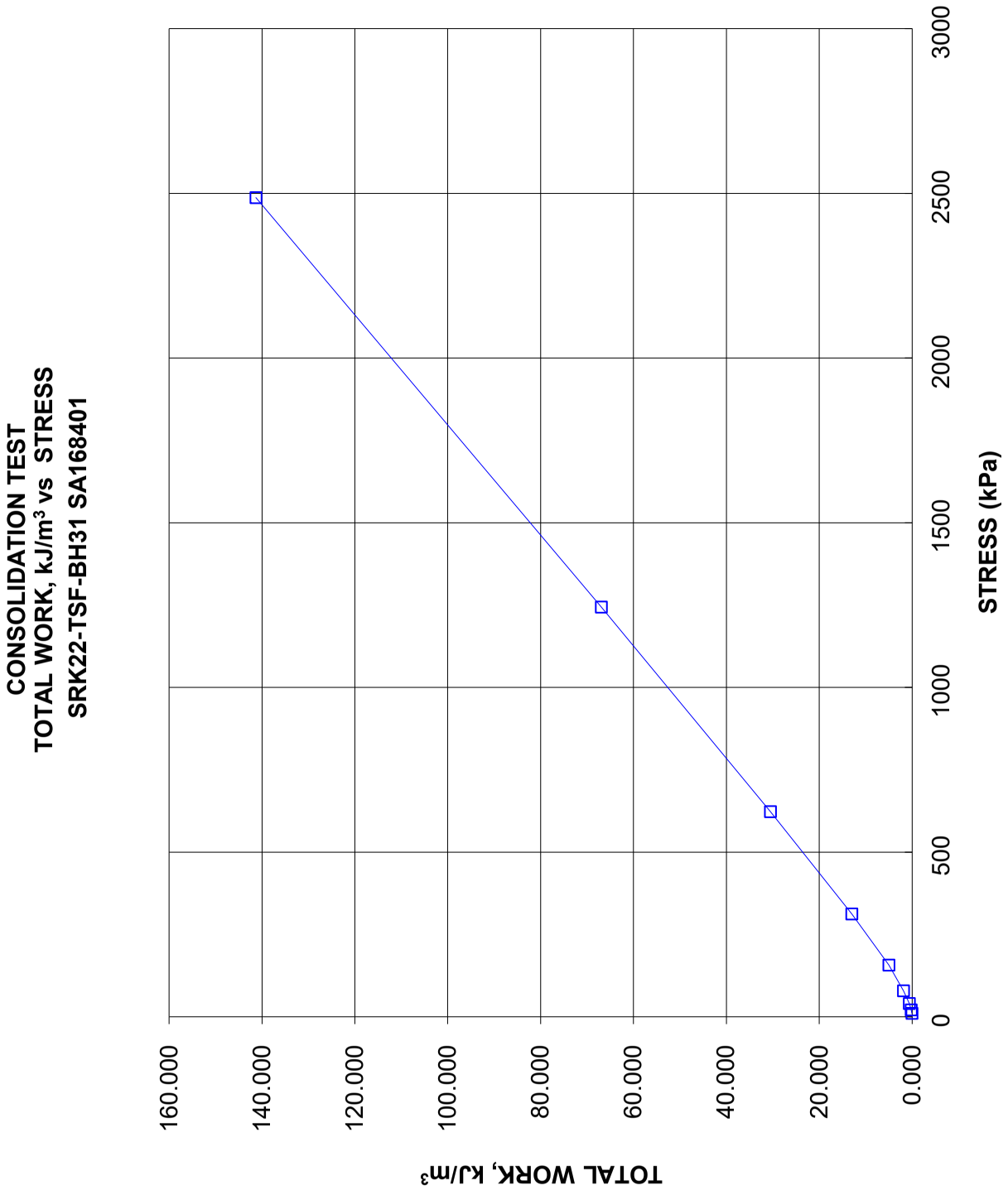
Project No. 21473972

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21473972

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST SUMMARY

ASTM D2435/D2435M

FIGURE

SAMPLE IDENTIFICATION

Project Number	21504835	Sample Number	167392
Borehole Number	WOS-BH-01	Sample Depth, m	11.28-11.89

TEST CONDITIONS

Test Type	Laboratory Standard	Load Duration, hr	24
Oedometer Number	8		
Date Started	4/29/2022		
Date Completed	5/10/2022		

SAMPLE DIMENSIONS AND PROPERTIES - INITIAL

Sample Height, cm	1.91	Unit Weight, kN/m^3	17.96
Sample Diameter, cm	6.35	Dry Unit Weight, kN/m^3	12.82
Area, cm^2	31.63	Specific Gravity, measured	2.75
Volume, cm^3	60.38	Solids Height, cm	0.907
Water Content, %	40.12	Volume of Solids, cm^3	28.69
Wet Mass, g	110.57	Volume of Voids, cm^3	31.69
Dry Mass, g	78.91	Degree of Saturation, %	99.9

TEST COMPUTATIONS

Stress	Corr. Height	Void	Average Height	t_{90}	cv.	mv	k
kPa	cm	Ratio	cm	sec	cm^2/s	m^2/kN	cm/s
0.00	1.909	1.104	1.909				
6.45	1.909	1.104	1.909	11	7.02E-02	8.93E-06	6.15E-08
11.14	1.885	1.077	1.897	3286	2.32E-04	2.72E-03	6.18E-08
20.90	1.868	1.059	1.876	4034	1.85E-04	8.82E-04	1.60E-08
40.35	1.830	1.018	1.849	4646	1.56E-04	1.01E-03	1.55E-08
79.11	1.782	0.964	1.806	3330	2.08E-04	6.53E-04	1.33E-08
156.57	1.720	0.896	1.751	2419	2.69E-04	4.22E-04	1.11E-08
311.19	1.647	0.816	1.684	1685	3.57E-04	2.45E-04	8.58E-09
621.49	1.577	0.738	1.612	866	6.36E-04	1.19E-04	7.41E-09
1240.47	1.511	0.665	1.544	487	1.04E-03	5.60E-05	5.70E-09
2477.78	1.448	0.596	1.480	290	1.60E-03	2.64E-05	4.14E-09
621.49	1.459	0.608	1.454				
156.50	1.483	0.635	1.471				
40.35	1.506	0.660	1.495				
11.16	1.540	0.698	1.523				

Note:
Consolidation loading and unloading schedule assigned by the client.
cv and k are approximate only based on t_{90} estimated from Square Root of Time Method (ASTMD2435/2435M)
Specimen taken 3-9cm from bottom of the tube.

SAMPLE DIMENSIONS AND PROPERTIES - FINAL

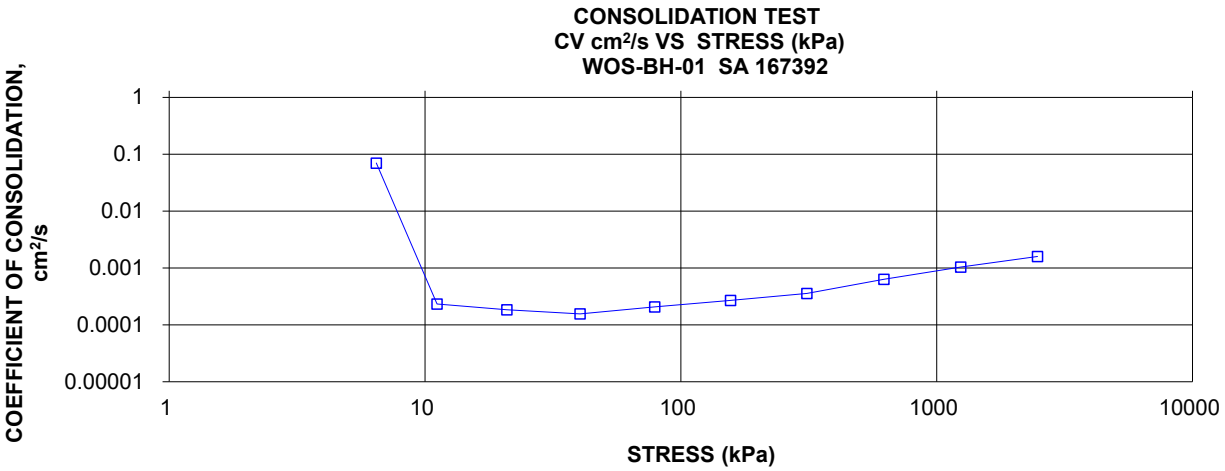
Sample Height, cm	1.54	Unit Weight, kN/m^3	19.97
Sample Diameter, cm	6.35	Dry Unit Weight, kN/m^3	15.88
Area, cm^2	31.63	Specific Gravity, measured	2.75
Volume, cm^3	48.72	Solids Height, cm	0.907
Water Content, %	25.71	Volume of Solids, cm^3	28.69
Wet Mass, g	99.20	Volume of Voids, cm^3	20.02
Dry Mass, g	78.91		

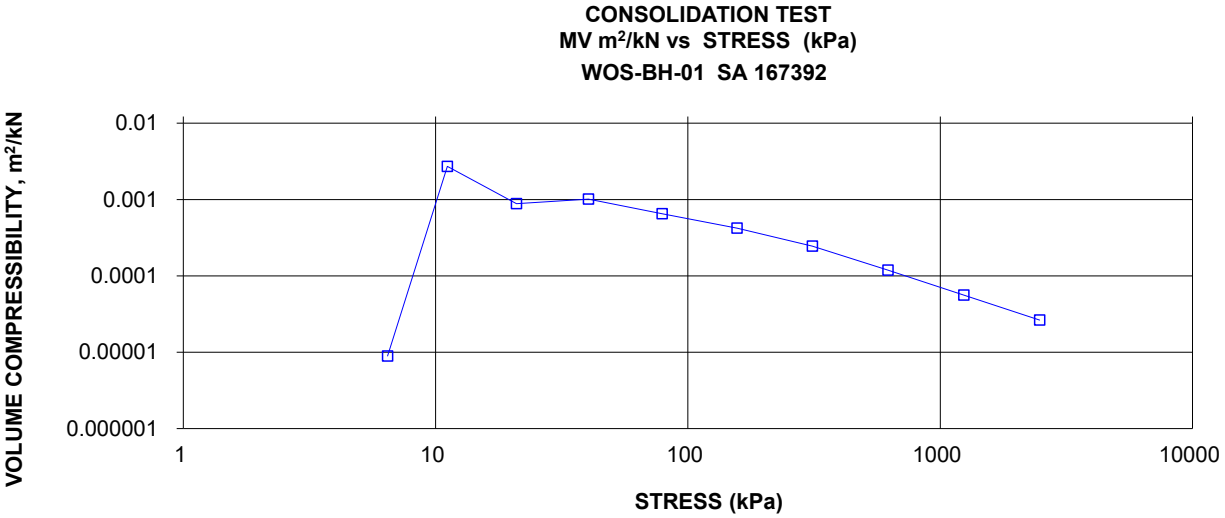
Prepared By: LH

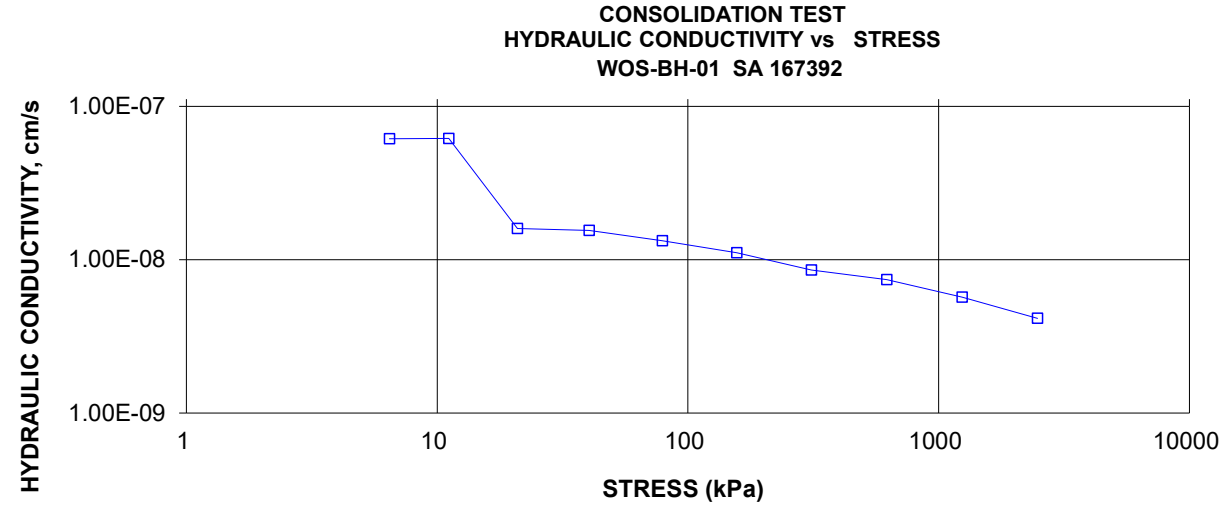
Golder Associates

Checked By:MM

CONSOLIDATION TEST SUMMARY	FIGURE







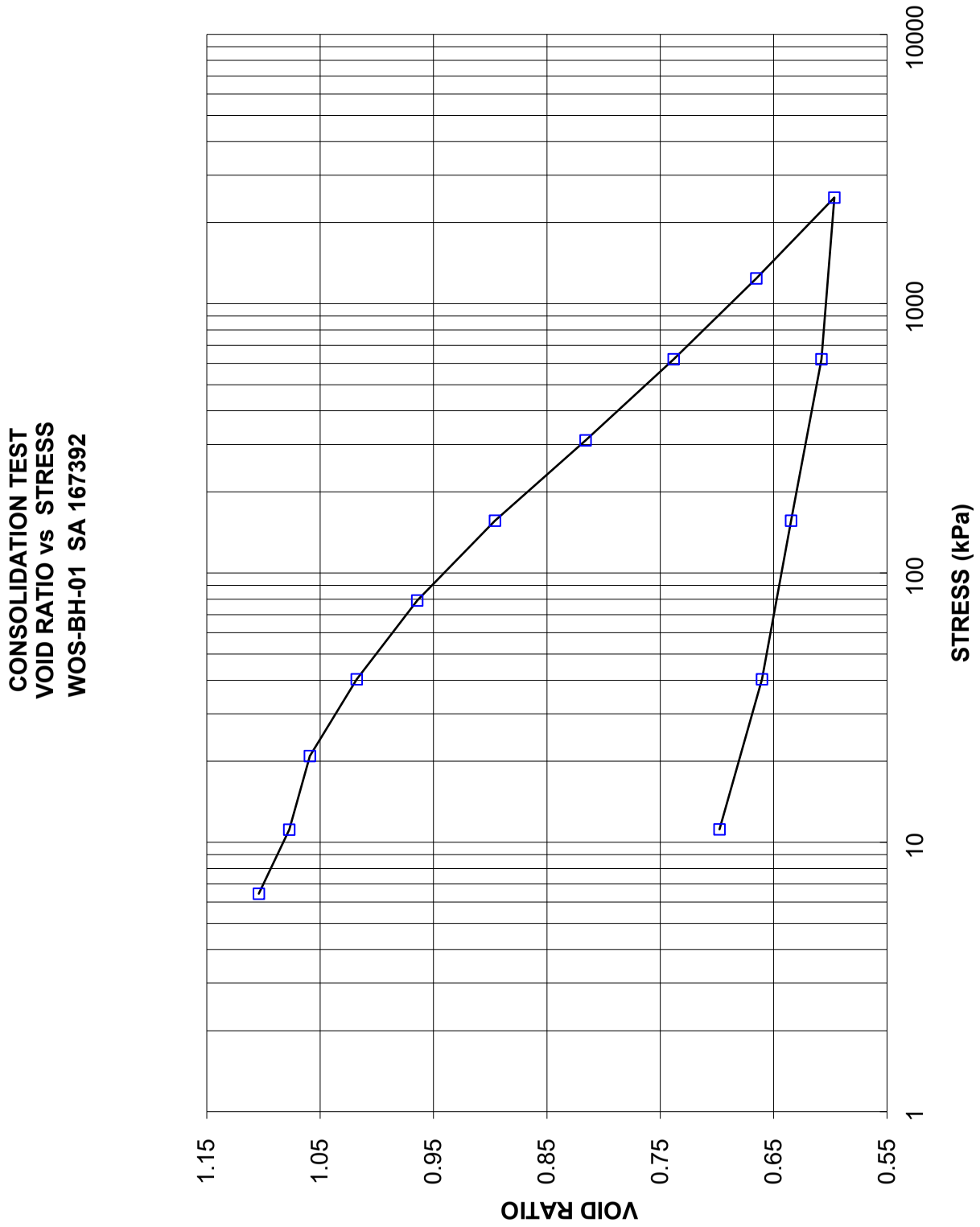
Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST VOID RATIO VS LOG STRESS	FIGURE



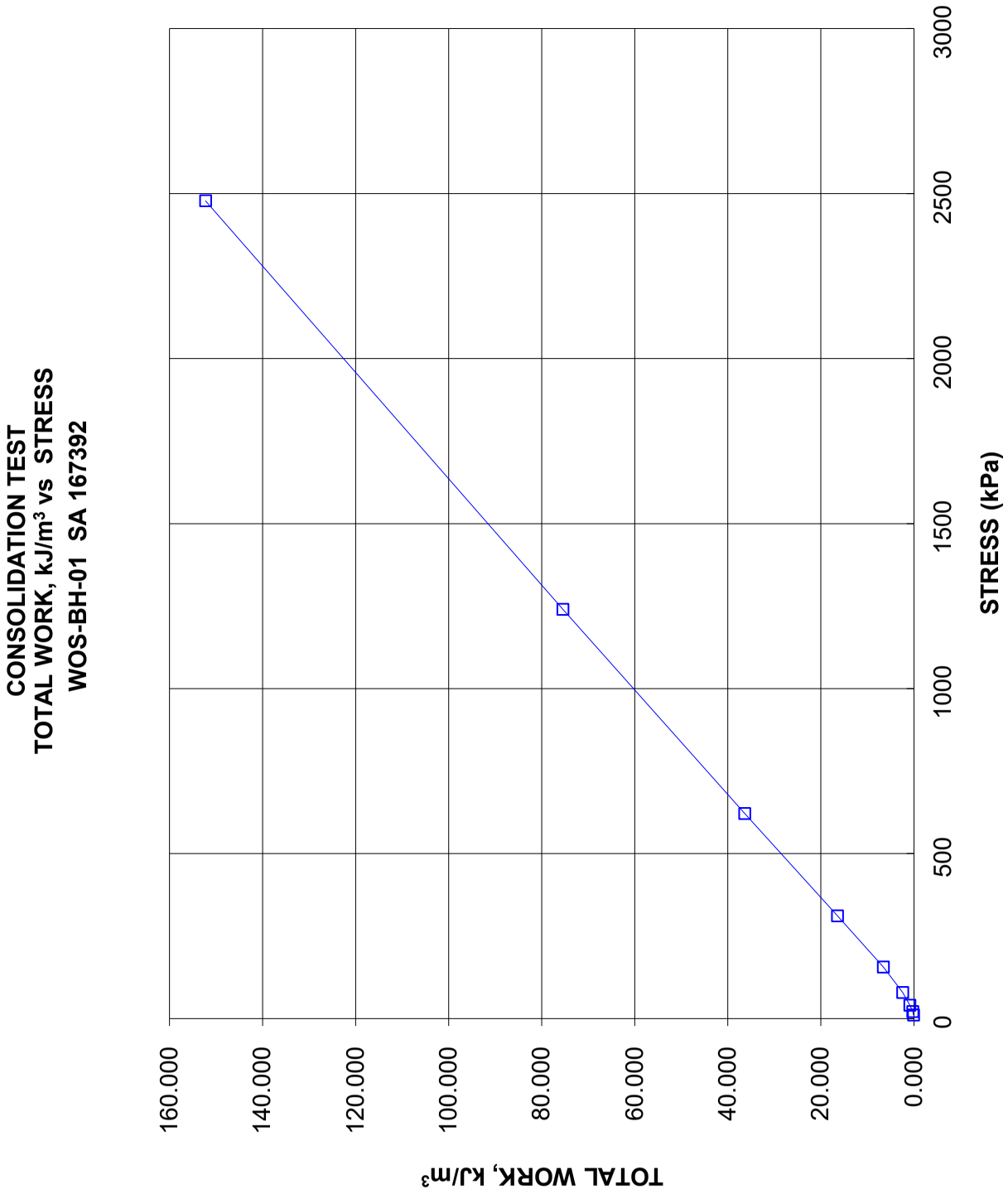
Project No.21504835

Prepared By: LH

Golder Associates

Checked By: MM

CONSOLIDATION TEST TOTAL WORK VS STRESS	FIGURE



Project No. 21504835

Prepared By: LH

Golder Associates

Checked By: MM

Appendix E.4 Consolidated Undrained Triaxial Tests

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER		LG-BH-01	
SAMPLE		167383	
DEPTH, m		5.28-5.79	
SPECIMEN DIAMETER, cm	7.15	7.13	7.04
SPECIMEN HEIGHT, cm	13.94	13.96	13.99
NATURAL WATER CONTENT, %	22.6	21.3	23.4
DRY DENSITY, Mg/m^3	1.71	1.77	1.70
WATER CONTENT AFTER SATURATION, %	23.1	21.8	23.3
CELL PRESSURE, σ_3, kPa	330.0	530.0	860.0
BACK PRESSURE, kPa	130.0	130.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	8.2	9.4	12.6
WATER CONTENT AFTER CONSOLIDATION, %	18.2	16.4	15.9
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	39.5	56.2	24.6
WATER CONTENT AFTER TEST, %	19.0	15.8	15.9
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	208.4	369.1	692.0
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	19.7	28.1	12.3
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.6	3.1	2.9
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	182.9	323.1	684.8
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	5.6	7.7	9.8
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.49	0.59	0.62
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.70	0.76	0.64
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 0-15cm from top of tube.
Specimen B taken 15-30cm from top of tube.
Specimen C taken 30-45cm from top of tube.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	55.0

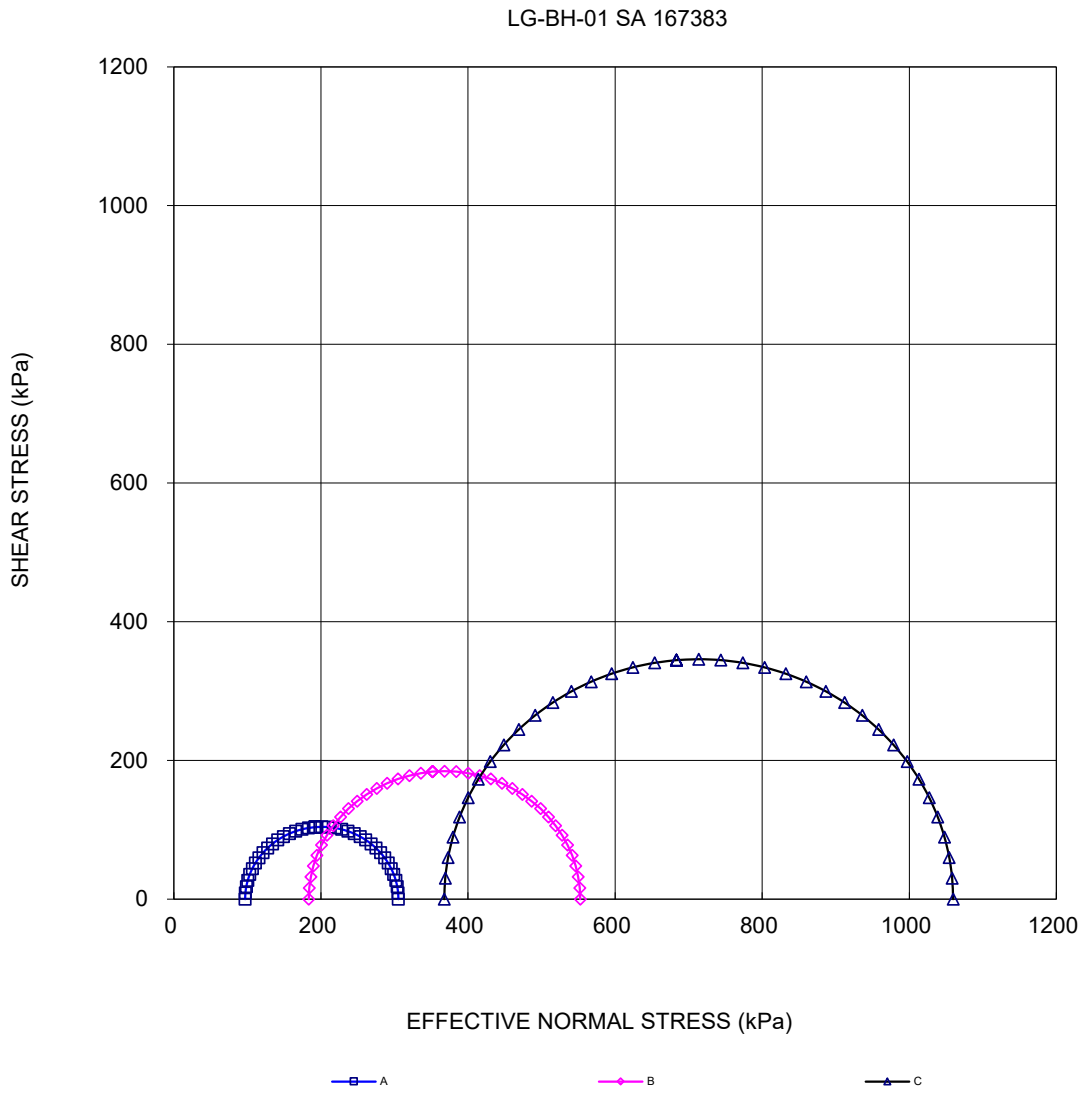
Date: 6/29/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 6/29/2022
Project No. 21504835

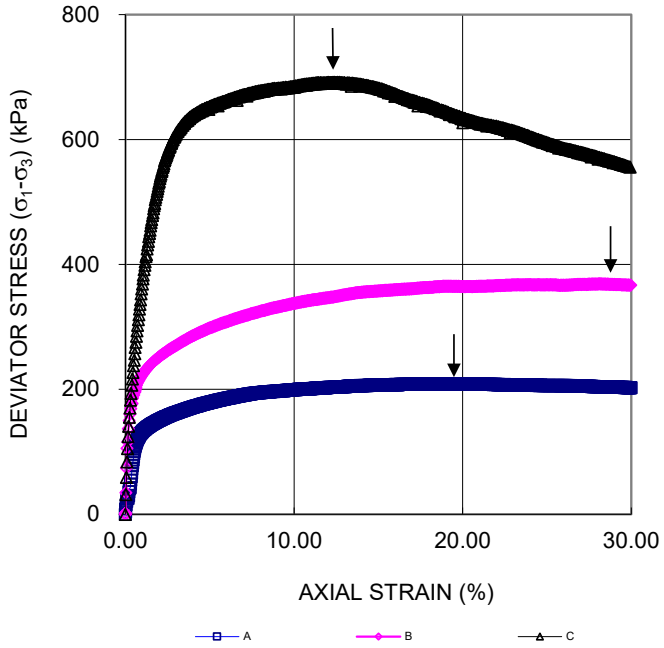
Golder Associates

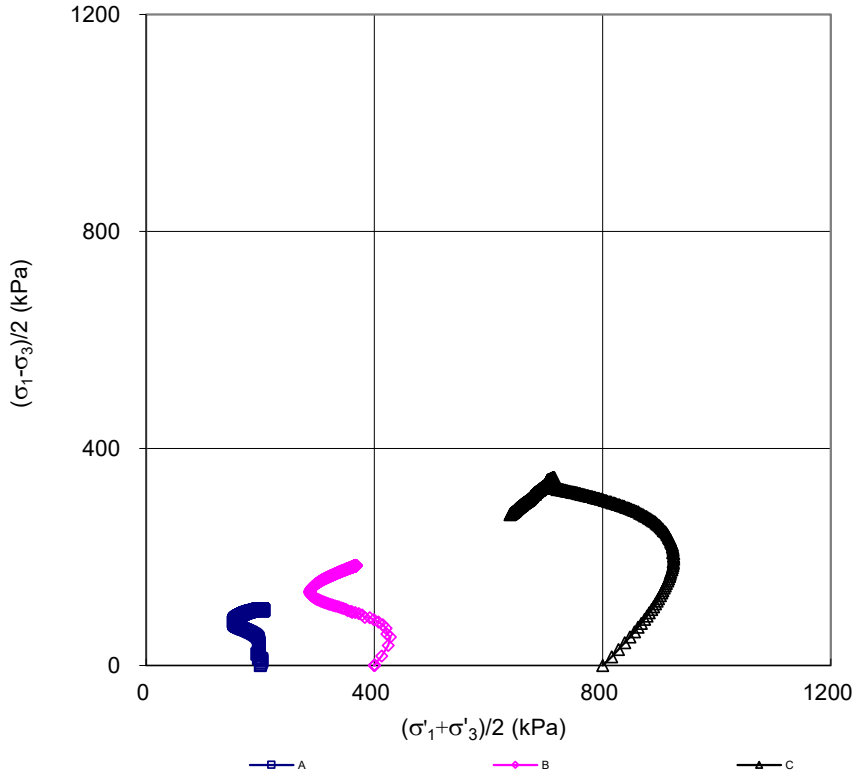
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

LG-BH-01 SA 167383





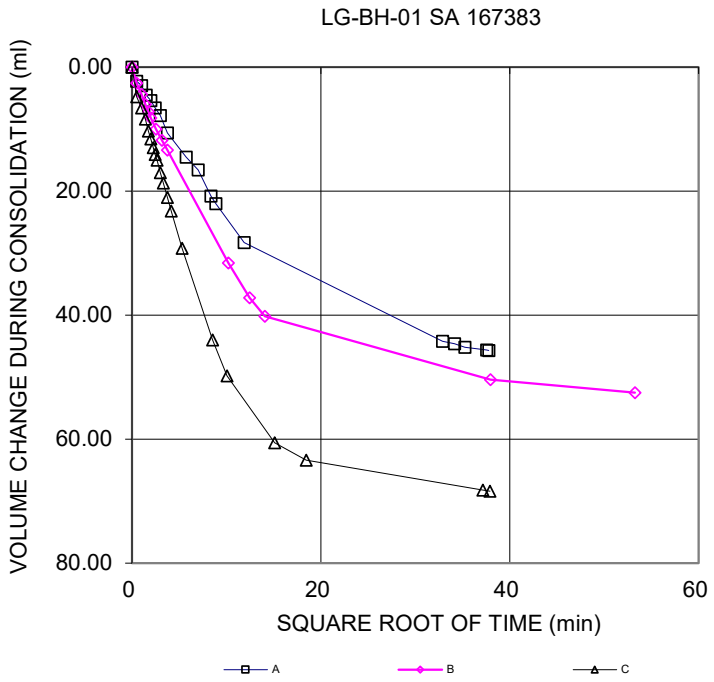
Date: 6/29/2022
Project No. 21504835

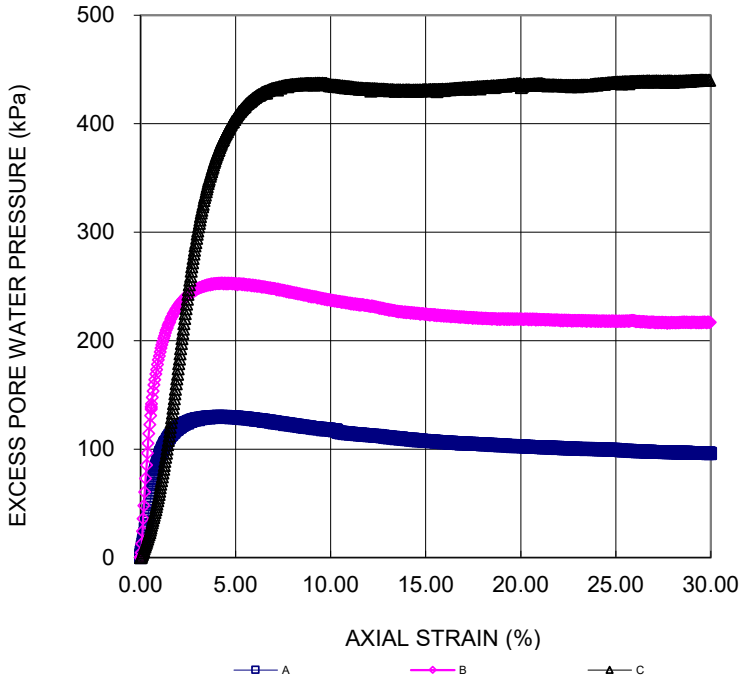
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 6/29/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER		LG-BH-01	
SAMPLE		167388	
DEPTH, m		27.7-28.3	
SPECIMEN DIAMETER, cm	7.38	7.03	6.89
SPECIMEN HEIGHT, cm	12.52	13.05	12.28
NATURAL WATER CONTENT, %	16.6	16.8	-
DRY DENSITY, Mg/m^3	1.96	2.05	-
WATER CONTENT AFTER SATURATION, %	15.1	17.0	-
CELL PRESSURE, σ_3, kPa	470.0	460.0	860.0
BACK PRESSURE, kPa	270.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	3.0	6.0	2.0
WATER CONTENT AFTER CONSOLIDATION, %	13.6	11.2	13.3
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	59.4	9.2	20.1
WATER CONTENT AFTER TEST, %	13.9	-	13.1
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	782.0	828.8	2663.9
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	29.7	4.6	10.1
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.6	4.2	4.4
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	271.8	828.8	2570.3
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.4	4.6	9.0
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	-0.14	0.17	0.01
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.35	0.17	0.02
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:
Multistage Test.
Effective consolidation stresses are assigned by the client.
Specimen A taken 0-15cm from top of tube.
Specimen B/C taken 15-30cm from top of tube.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	60.0

Date: 5/17/2022
Project No. 21504835

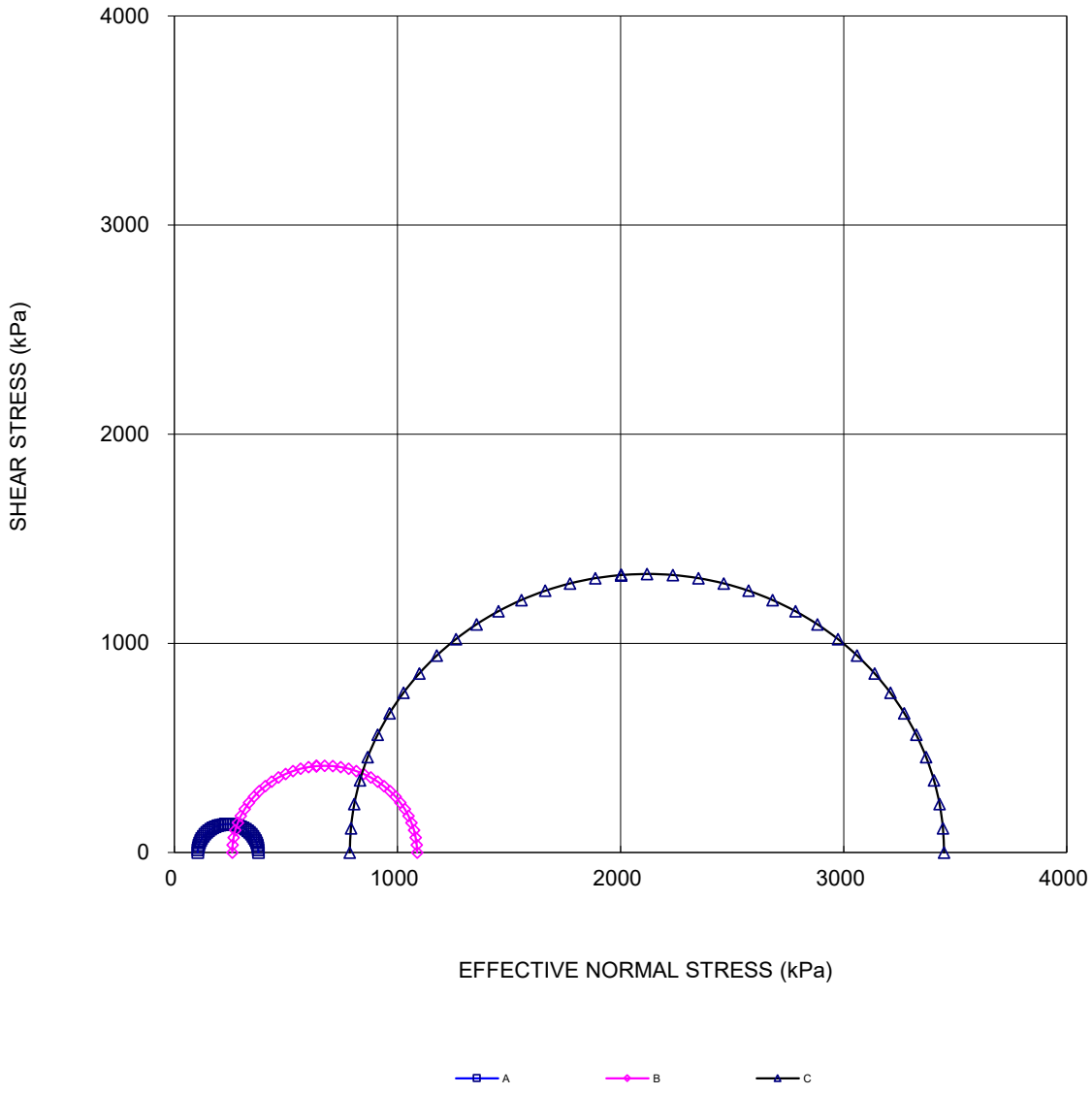
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE

LG-BH-01 SA 167388



Date: 5/17/2022
Project No. 21504835

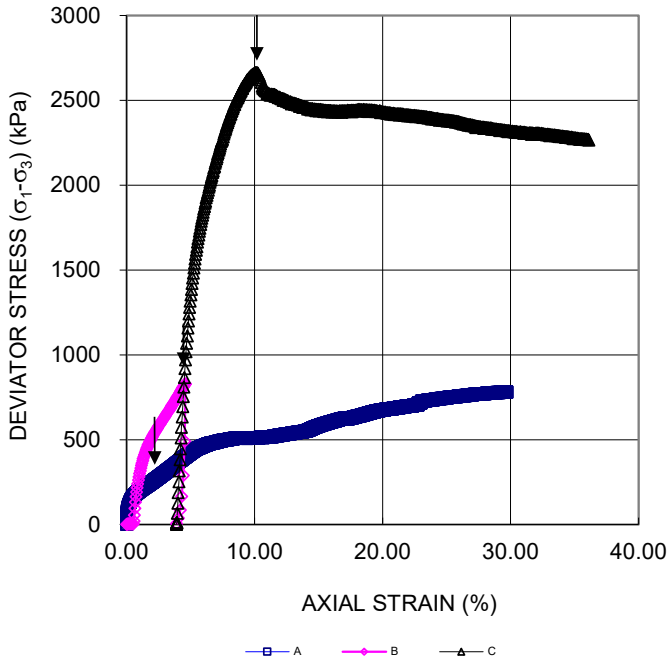
Golder Associates

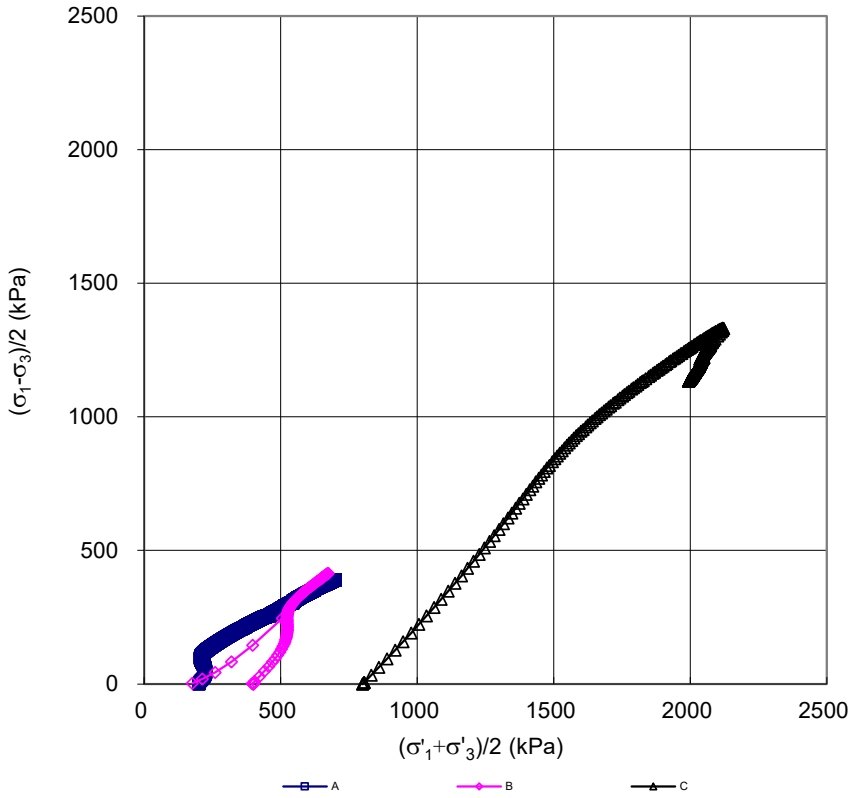
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

LG-BH-01 SA 167388





Date: 5/17/2022
Project No. 21504835

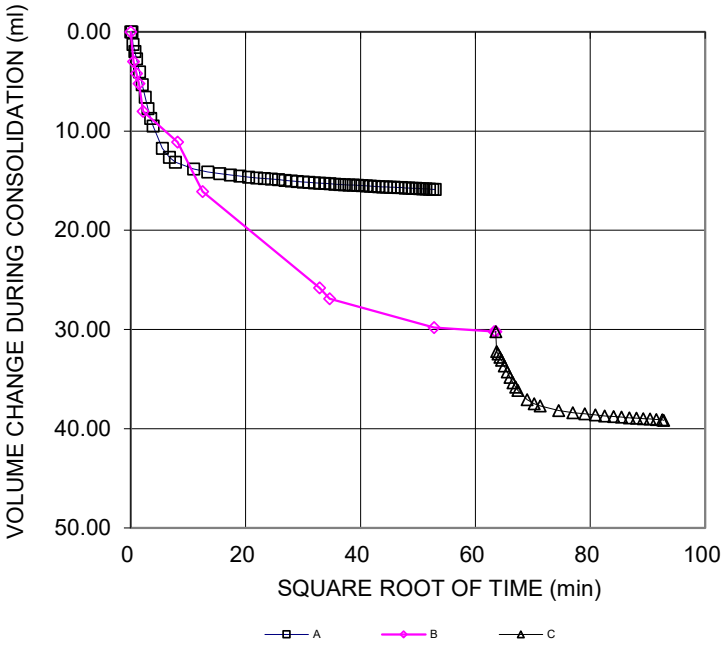
Golder Associates

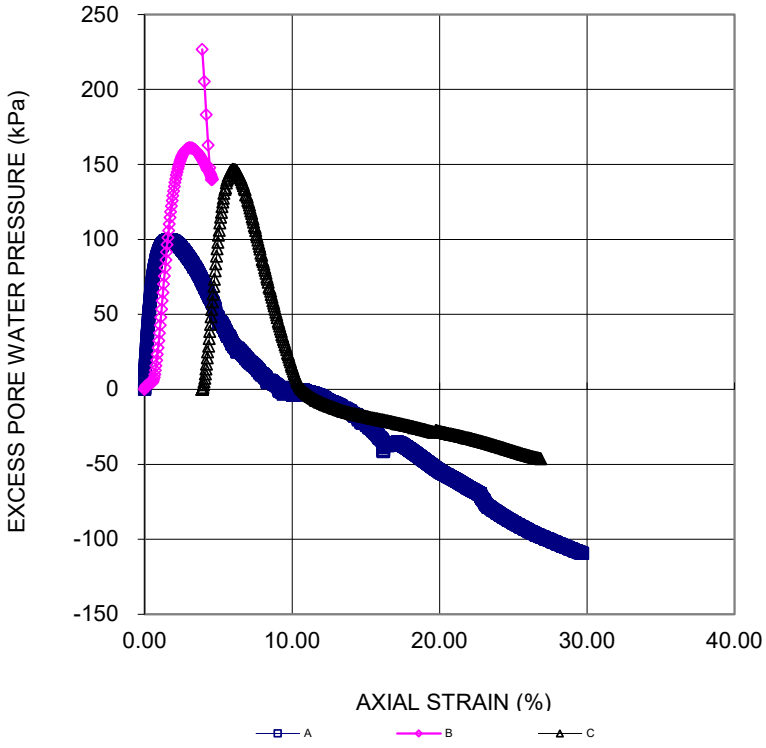
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

LG-BH-01 SA 167388





Date: 5/17/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL WITH PORE PRESSURE MEASUREMENTS ASTM D4767 SHEET 1 OF 4			FIGURE
TEST STAGE	A	B	C
BOREHOLE NUMBER		LGS-BH-01	
SAMPLE		167804	
DEPTH, m		22.3-22.6	
SPECIMEN DIAMETER, cm	7.16	7.09	7.05
SPECIMEN HEIGHT, cm	14.33	13.78	13.28
NATURAL WATER CONTENT, %	13.5	-	-
DRY DENSITY, Mg/m^3	1.94	-	-
WATER CONTENT AFTER SATURATION, %	16.8	-	-
CELL PRESSURE, σ_3, kPa	360.0	660.0	1260.0
BACK PRESSURE, kPa	60.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	300.0	600.0	1200.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	2.9	1.6	1.8
WATER CONTENT AFTER CONSOLIDATION, %	15.3	14.5	14.2
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	6.9	7.6	24.2
WATER CONTENT AFTER TEST, %	-	-	14.7
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	615.1	1331.6	2318.9
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	3.4	3.8	12.1
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	4.1	4.0	3.8
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	615.1	1322.5	2237.7
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	3.4	3.6	7.1
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.17	0.12	0.15
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.17	0.12	0.18
FILTER DRAINS USED, y/n	y	y	y
TEST NOTES: Multistage Test. Effective consolidation stresses are assigned by the client. Specimen A/B/C taken 4-21cm from bottom of tube.			
FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	55.0

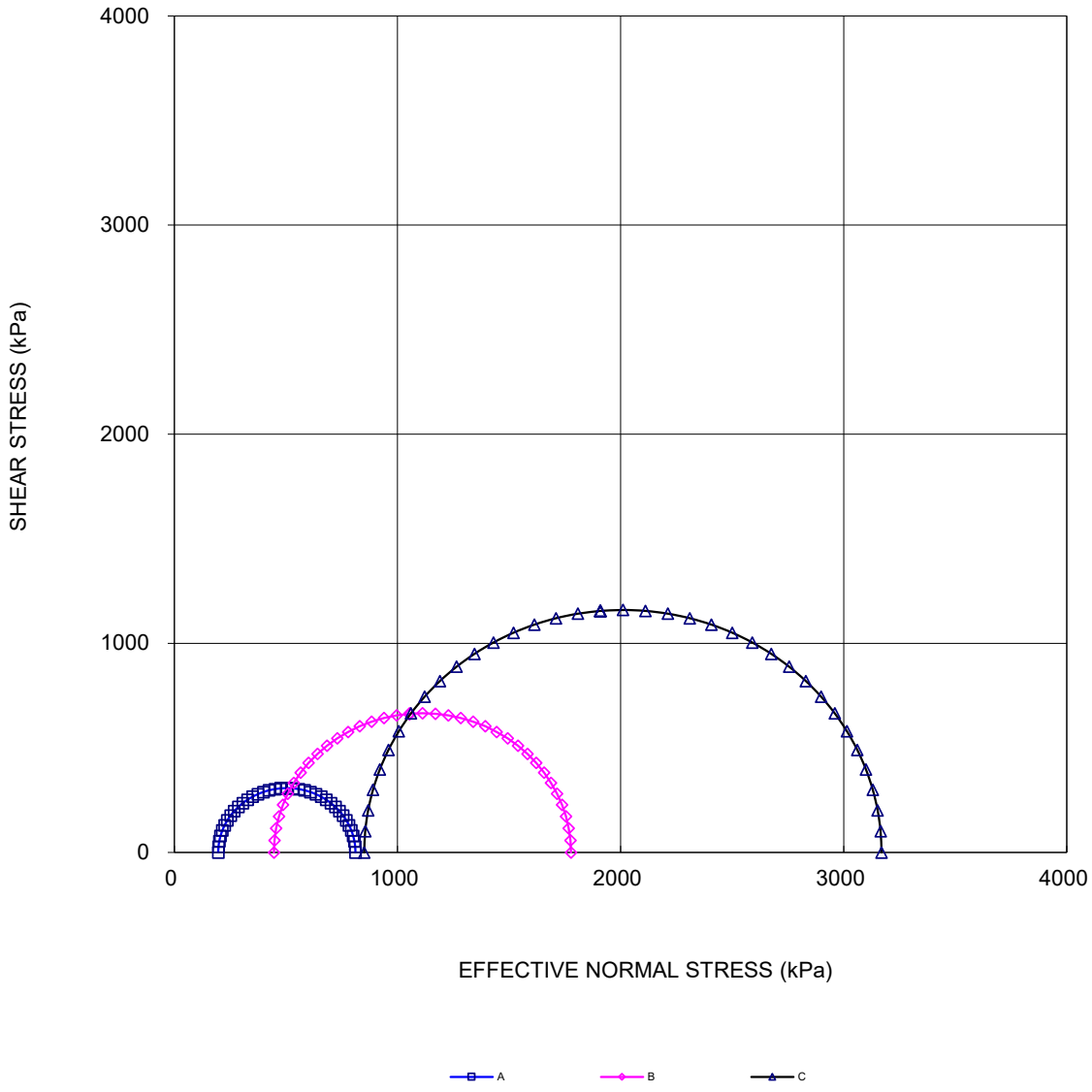
Date: 7/24/2022 Prepared By: LH

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE

LGS-BH-01 SA 167804



Date: 7/24/2022
Project No. 21504835

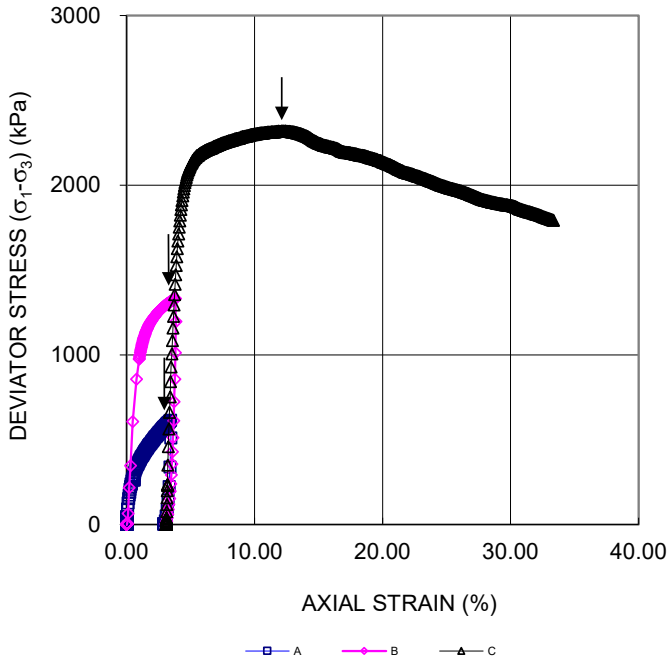
Golder Associates

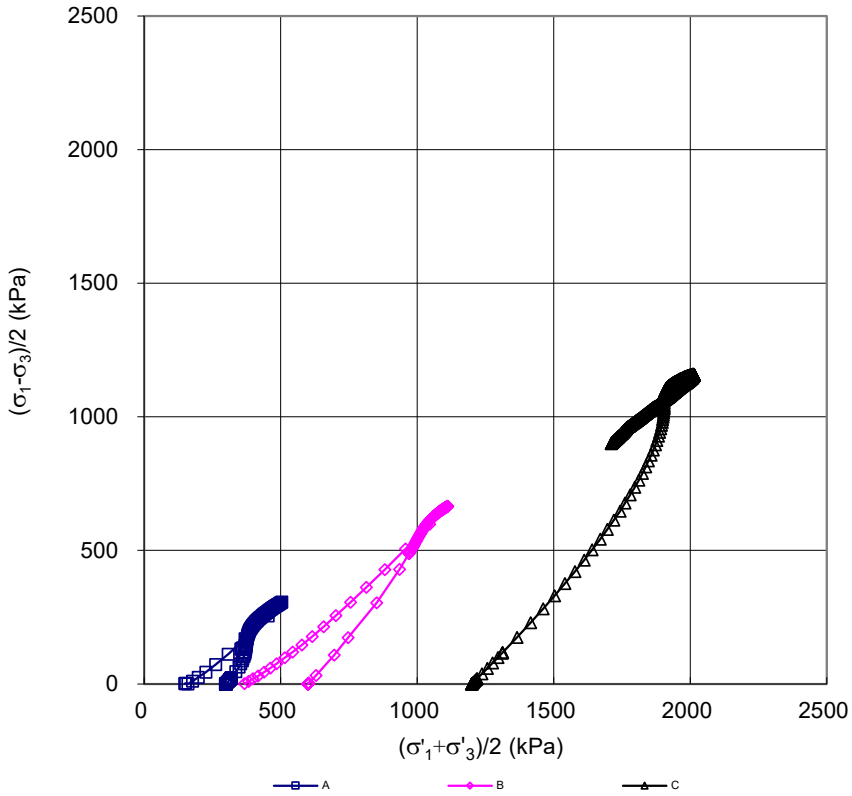
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

LGS-BH-01 SA 167804





Date: 7/24/2022
Project No. 21504835

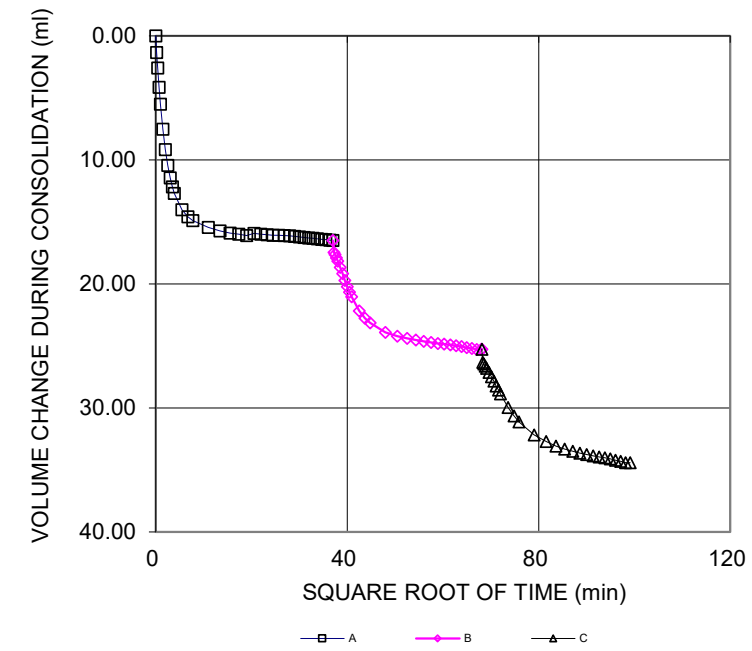
Golder Associates

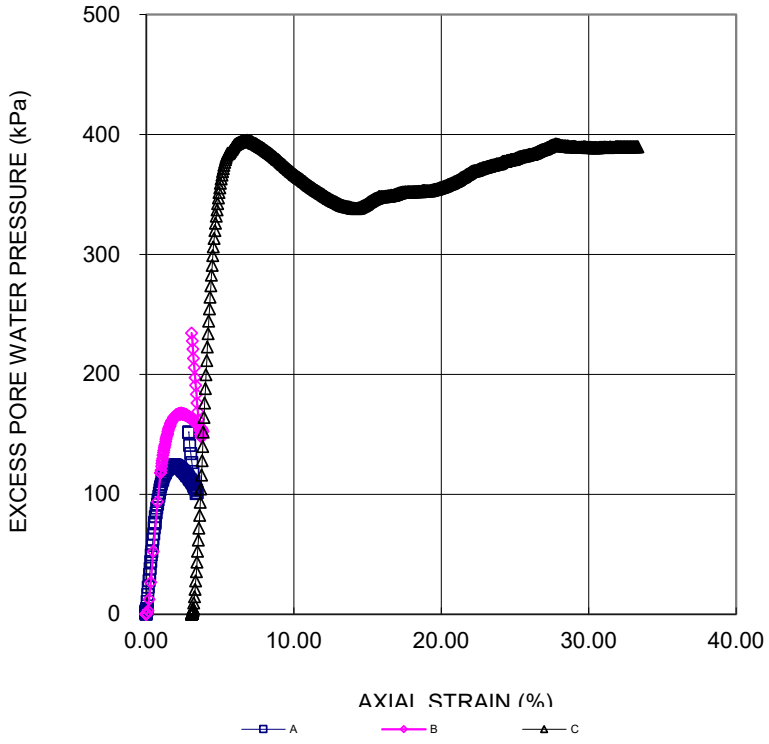
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

LGS-BH-01 SA 167804





Date: 7/24/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL WITH PORE PRESSURE MEASUREMENTS ASTM D4767 SHEET 1 OF 4			FIGURE
TEST STAGE	A	B	C
BOREHOLE NUMBER		LGS-BH-08	
SAMPLE		35240	
DEPTH, m		11.56-12.20	
SPECIMEN DIAMETER, cm	6.81	6.60	6.49
SPECIMEN HEIGHT, cm	14.05	13.22	12.67
NATURAL WATER CONTENT, %	45.9	-	-
DRY DENSITY, Mg/m^3	1.25	-	-
WATER CONTENT AFTER SATURATION, %	46.3	-	-
CELL PRESSURE, σ_3, kPa	230.0	330.0	530.0
BACK PRESSURE, kPa	130.0	130.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	100.0	200.0	400.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	9.4	4.9	5.1
WATER CONTENT AFTER CONSOLIDATION, %	38.8	35.3	32.0
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	5.4	11.1	21.0
WATER CONTENT AFTER TEST, %	-	-	31.5
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	74.2	135.9	255.2
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.7	5.5	10.5
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.2	2.4	2.6
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	74.2	135.9	253.0
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.7	5.5	11.6
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.52	0.76	0.91
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.52	0.76	0.94
FILTER DRAINS USED, y/n	y	y	y
TEST NOTES: Multistage Test. Effective consolidation stresses are assigned by the client. Specimen A/B/C taken 2-17cm from top of tube.			
FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	50.0

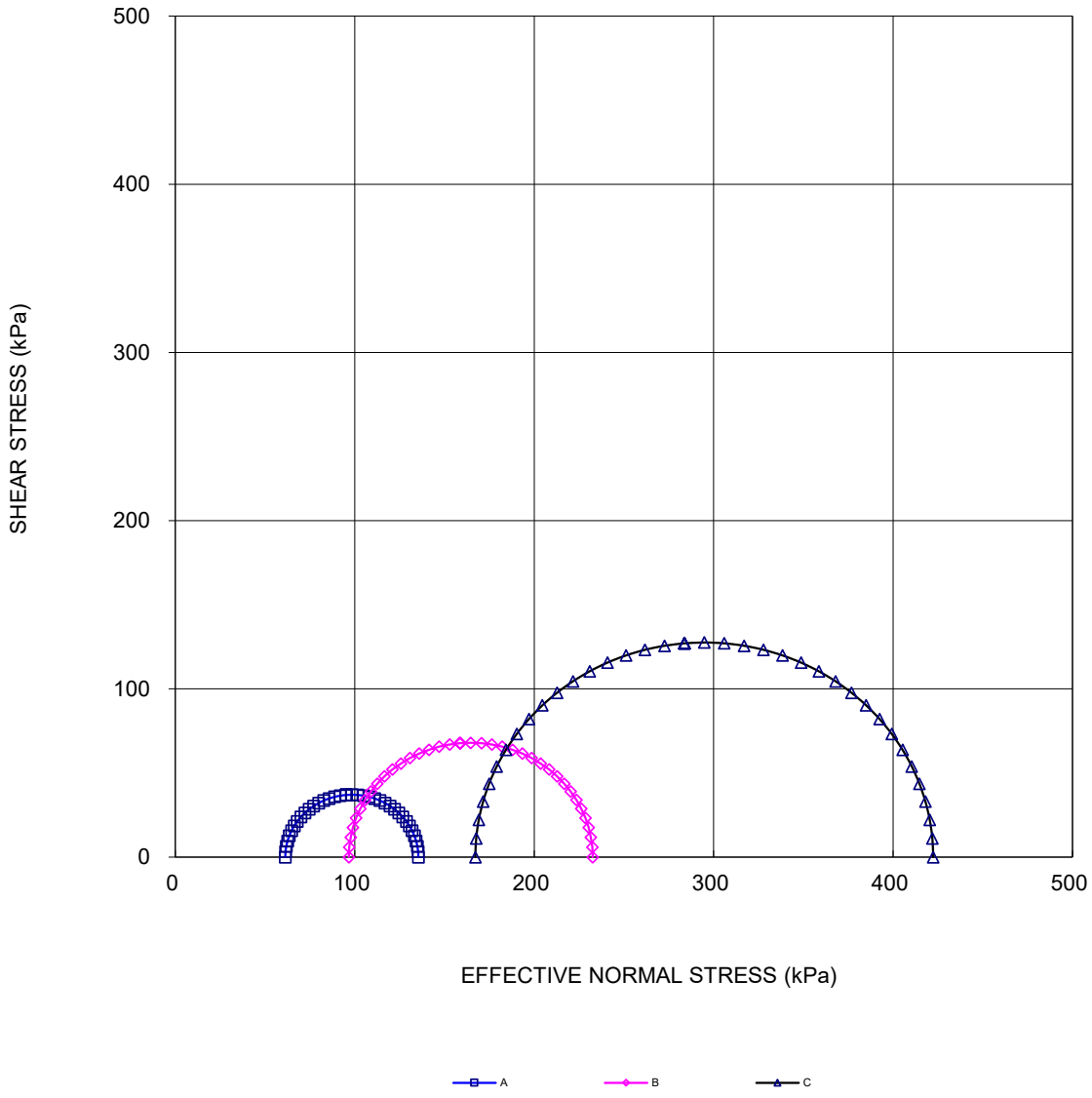
Date: 6/27/2022 Prepared By: LH

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE

LGS-BH-08 SA 35240



Date: 6/27/2022
Project No. 21504835

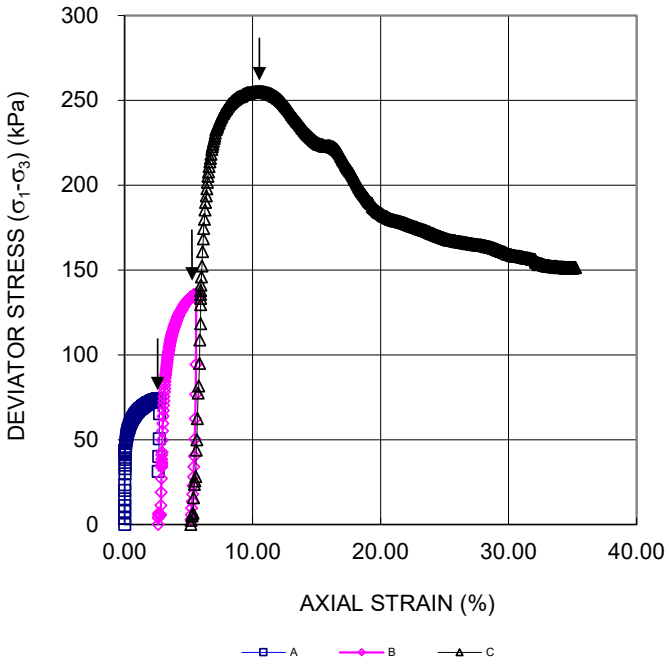
Golder Associates

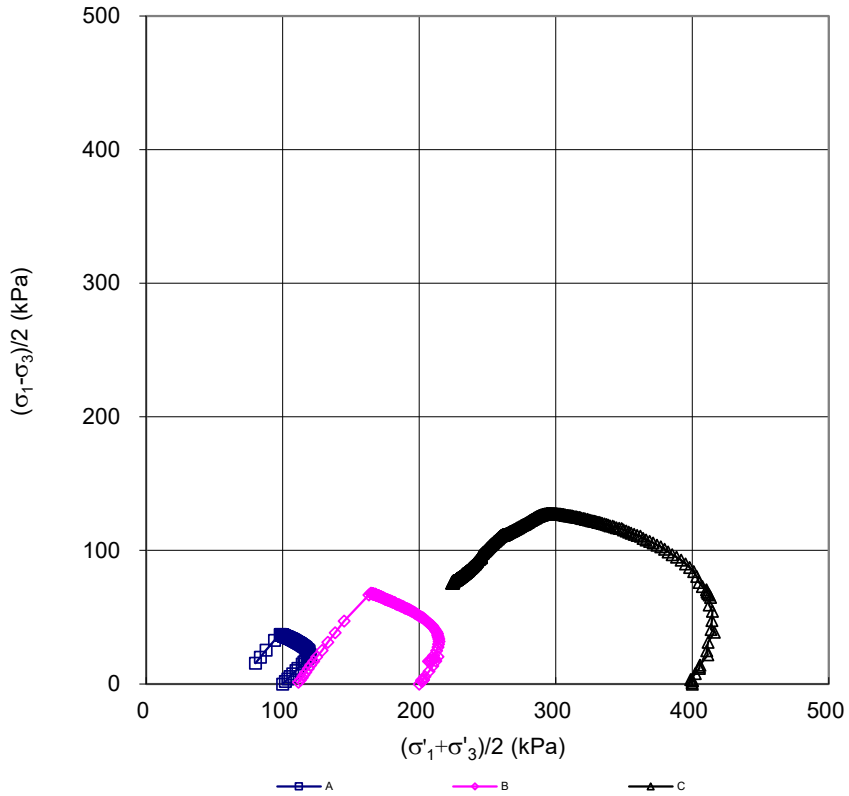
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

LGS-BH-08 SA 35240





Date: 6/27/2022
Project No. 21504835

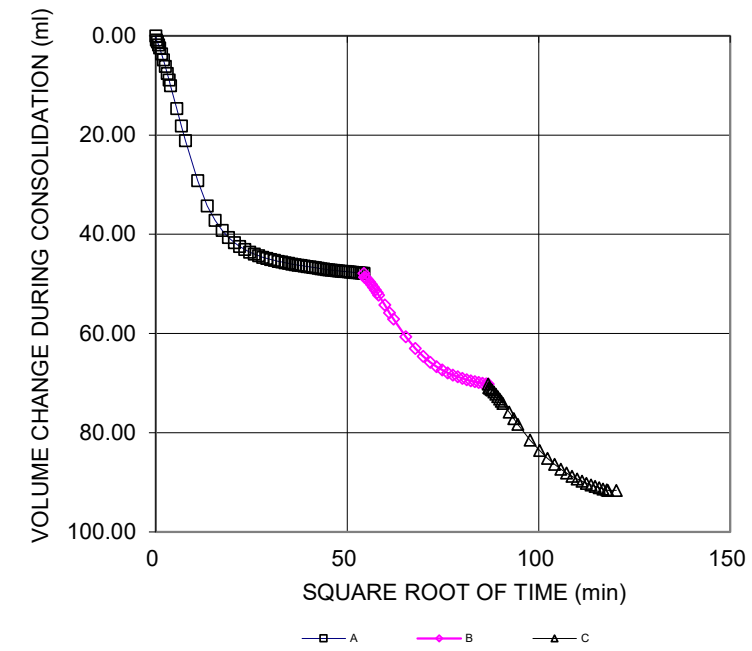
Golder Associates

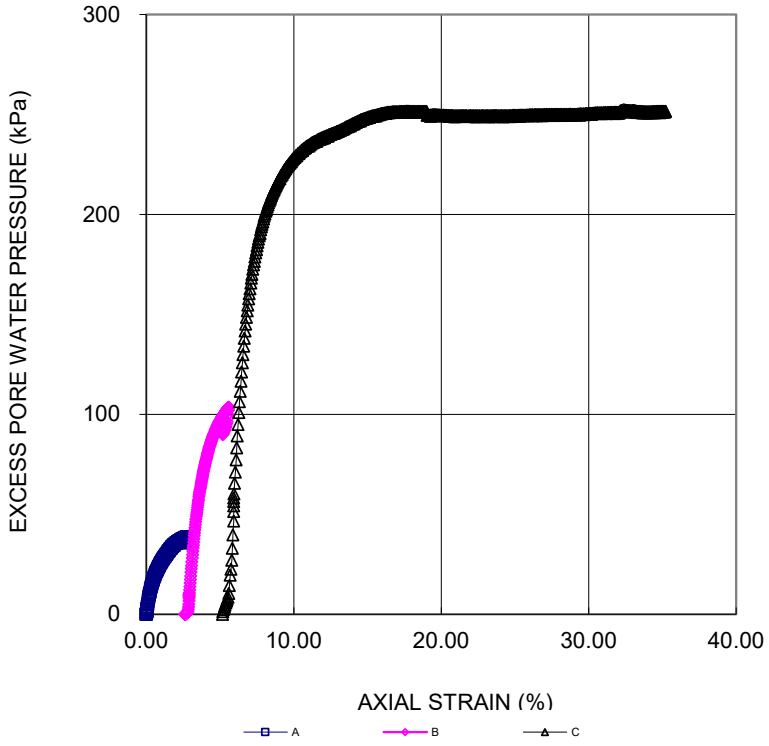
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

LGS-BH-08 SA 35240





Date: 6/27/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER		LGS-BH-08	
SAMPLE		35243	
DEPTH, m		17.67-18.29	
SPECIMEN DIAMETER, cm	7.13	6.96	6.88
SPECIMEN HEIGHT, cm	14.02	13.36	12.86
NATURAL WATER CONTENT, %	39.8	-	-
DRY DENSITY, Mg/m^3	1.34	-	-
WATER CONTENT AFTER SATURATION, %	39.0	-	-
CELL PRESSURE, σ_3, kPa	230.0	330.0	530.0
BACK PRESSURE, kPa	130.0	130.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	100.0	200.0	400.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	7.0	3.3	3.8
WATER CONTENT AFTER CONSOLIDATION, %	33.8	31.5	29.1
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	4.9	11.1	23.9
WATER CONTENT AFTER TEST, %	-	-	29.0
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	87.0	154.4	255.8
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.4	5.6	12.0
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.9	2.8	2.5
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	87.0	154.4	254.7
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.4	5.6	14.0
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.62	0.75	0.91
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.62	0.75	0.92
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES: Multistage Test.
Effective consolidation stresses are assigned by the client.
Specimen A/B/C taken 3-20cm from top of tube.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	70.0

Date: 6/27/2022
Project No. 21504835

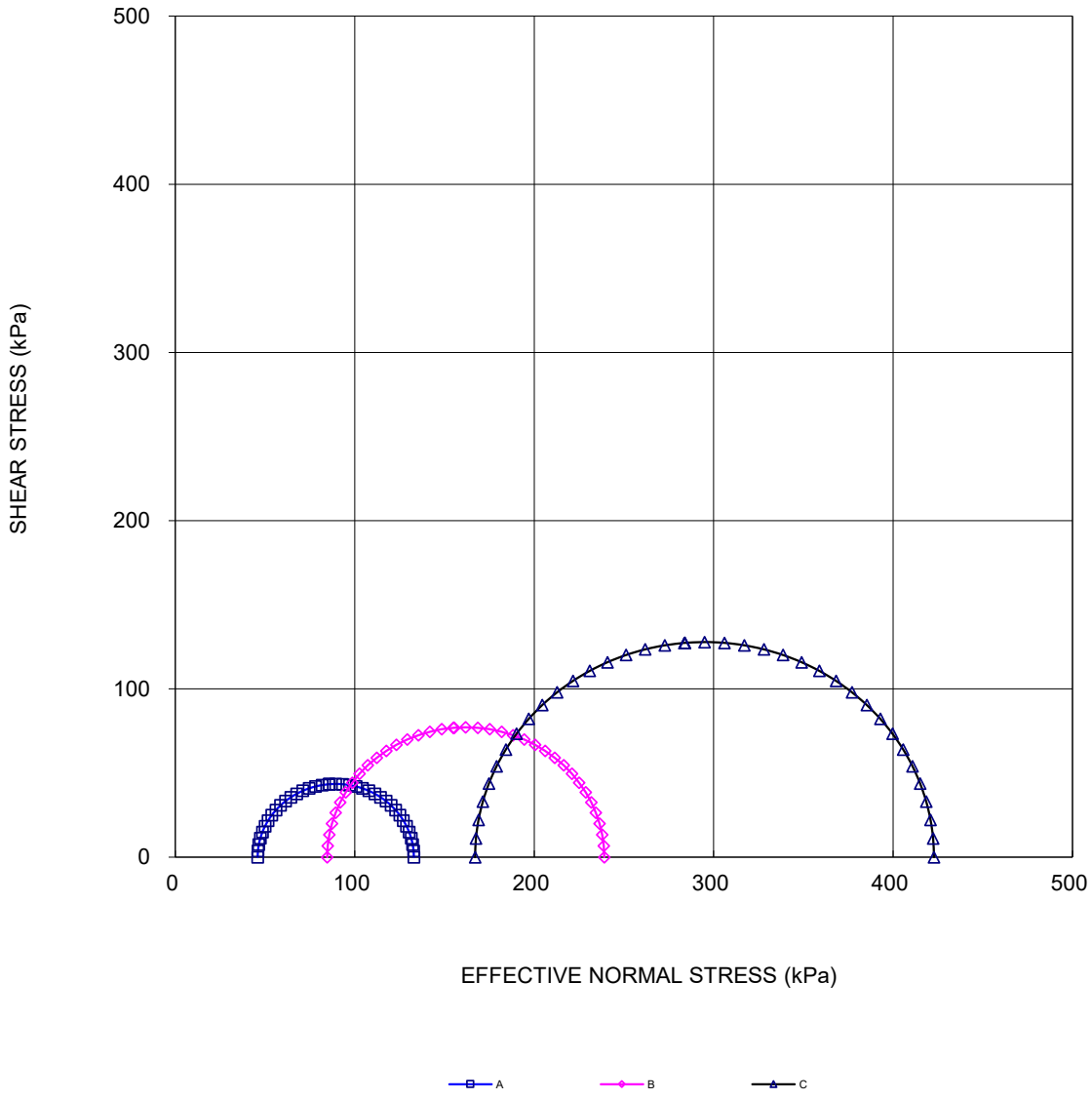
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE

LGS-BH-08 SA 35243



Date: 6/27/2022
Project No. 21504835

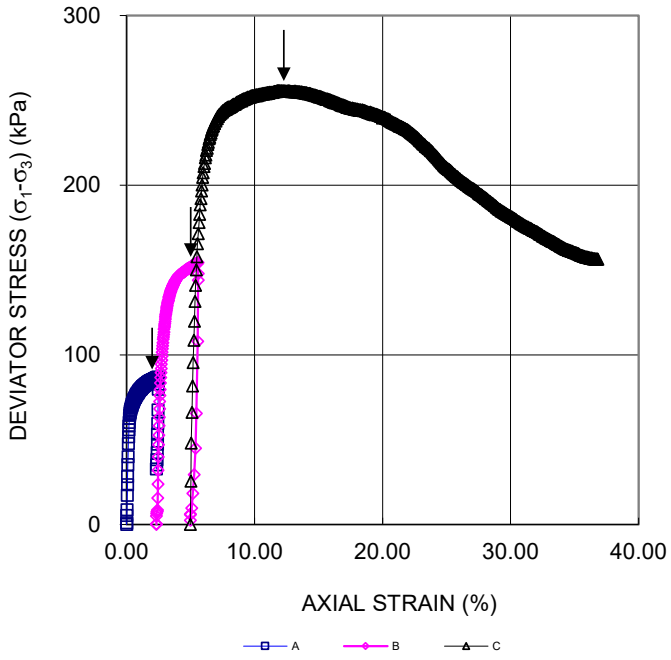
Golder Associates

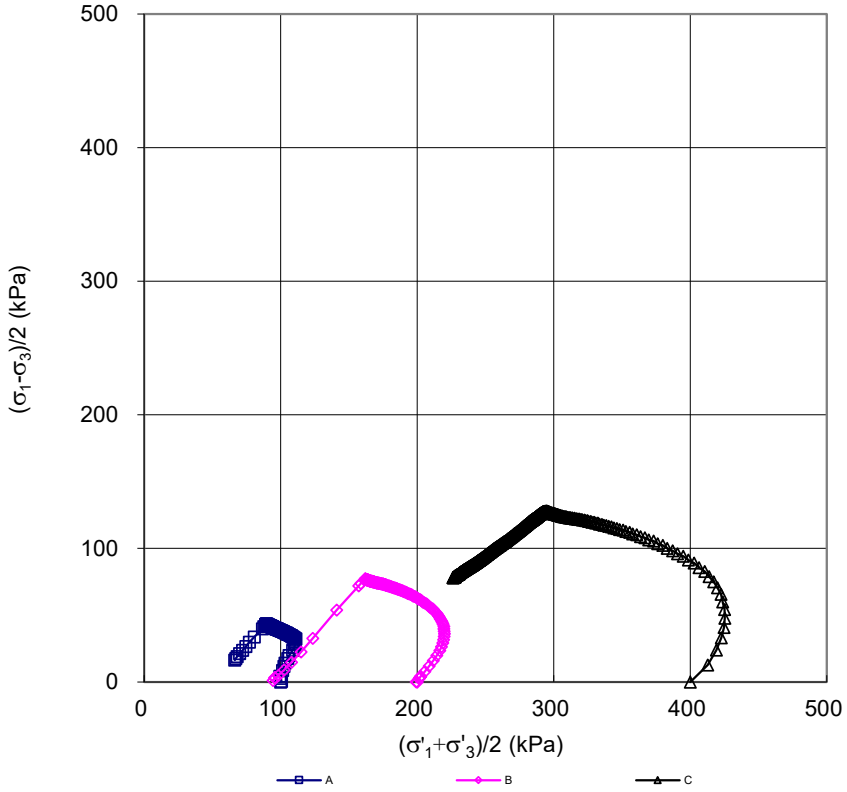
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

LGS-BH-08 SA 35243





Date: 6/27/2022
Project No. 21504835

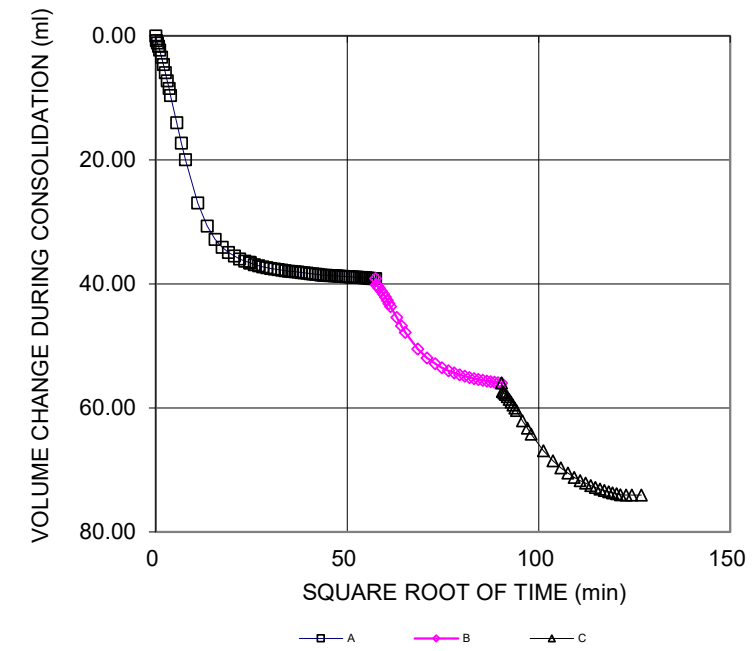
Golder Associates

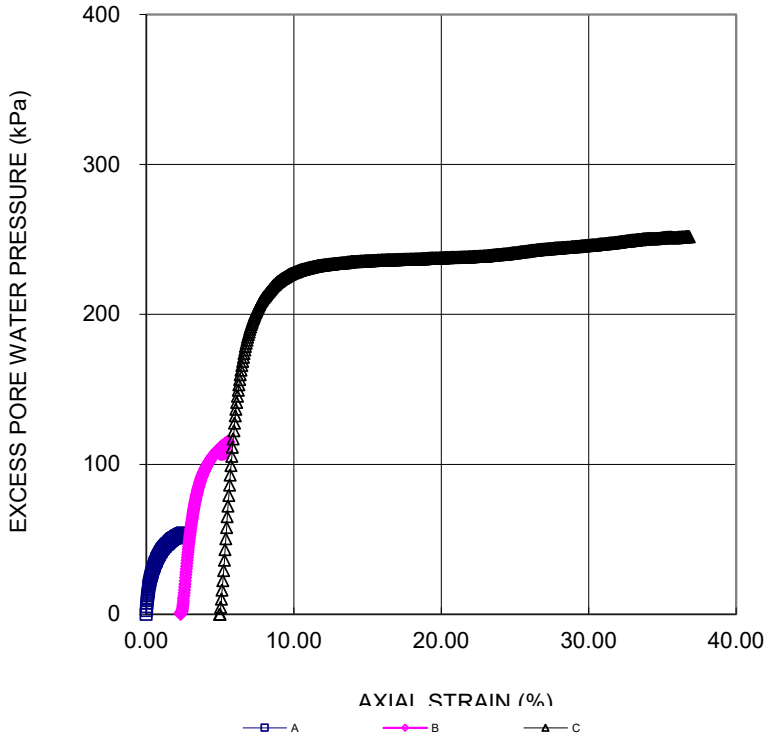
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

LGS-BH-08 SA 35243





Date: 6/27/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER		LGS-BH-02	
SAMPLE		58380	
DEPTH, m		5.49-6.10	
SPECIMEN DIAMETER, cm	6.81	6.62	6.88
SPECIMEN HEIGHT, cm	13.88	13.16	13.86
NATURAL WATER CONTENT, %	33.8	-	32.4
DRY DENSITY, Mg/m^3	1.43	-	1.45
WATER CONTENT AFTER SATURATION, %	36.9	-	34.1
CELL PRESSURE, σ_3, kPa	360.0	660.0	960.0
BACK PRESSURE, kPa	60.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	-	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	300.0	600.0	900.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	8.2	4.7	14.0
WATER CONTENT AFTER CONSOLIDATION, %	31.2	28.2	24.5
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	5.8	37.5	33.0
WATER CONTENT AFTER TEST, %	-	28.8	24.5
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	203.4	407.5	757.8
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.9	18.7	16.5
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.9	2.9	2.7
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	203.4	391.2	734.4
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.9	13.4	7.0
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.95	0.93	0.48
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.95	1.01	0.63
FILTER DRAINS USED, y/n	y	y	y
FAILURE PLANE NUMBER	-	1.0	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	40.0	55.0

TEST NOTES:
Multistage Test.
Effective consolidation stresses are assigned by the client.
Specimen A/B taken 27-42cm from top of tube.
Specimen C taken 2-17cm from top of tube.

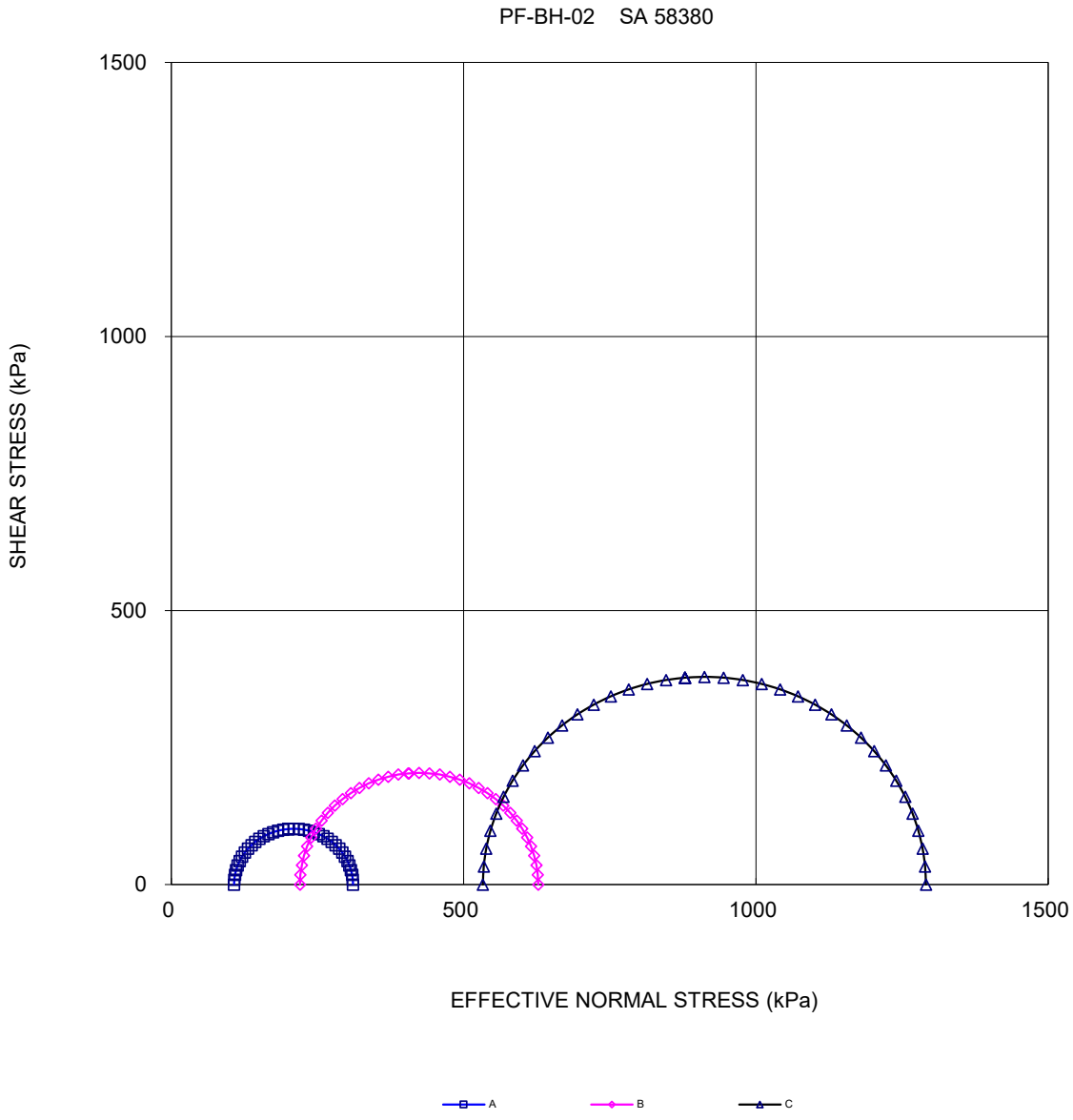
Date: 6/27/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 6/27/2022
Project No. 21504835

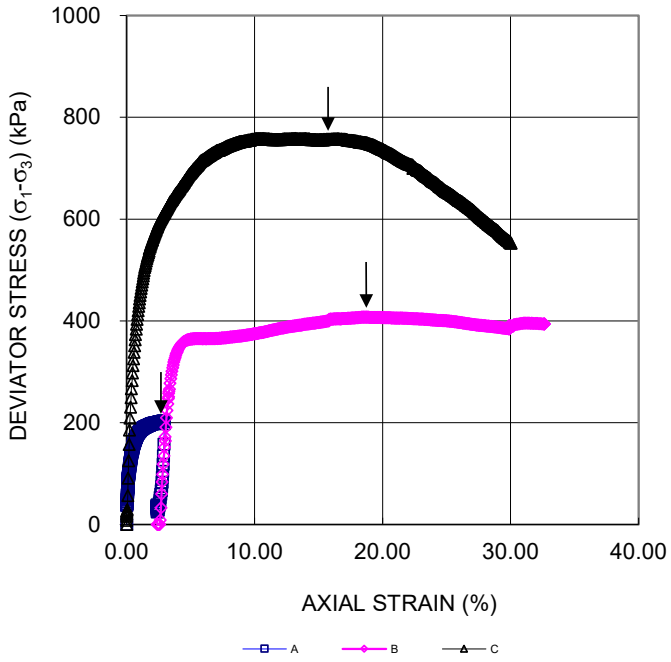
Golder Associates

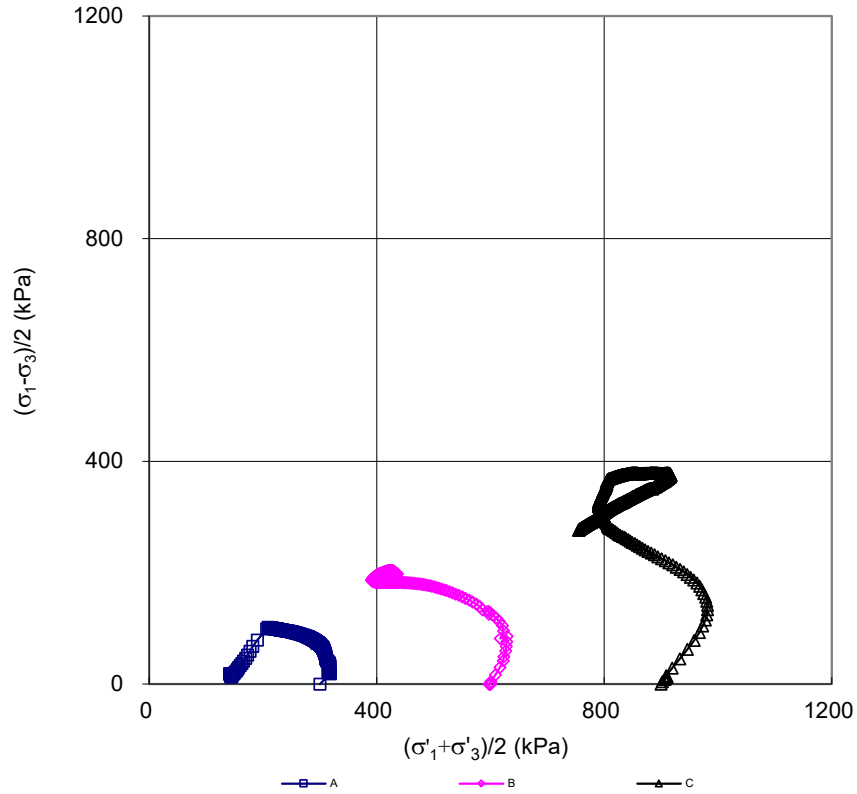
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

PF-BH-02 SA 58380





Date: 6/27/2022
Project No. 21504835

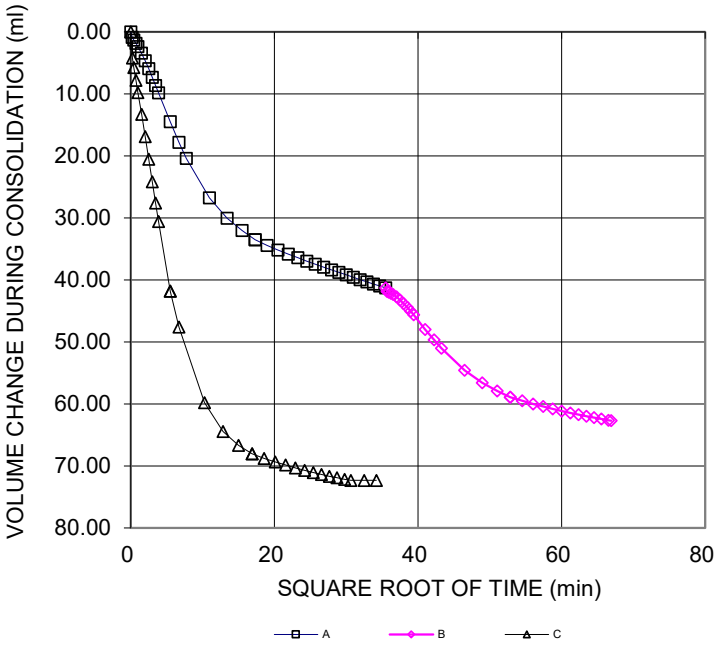
Golder Associates

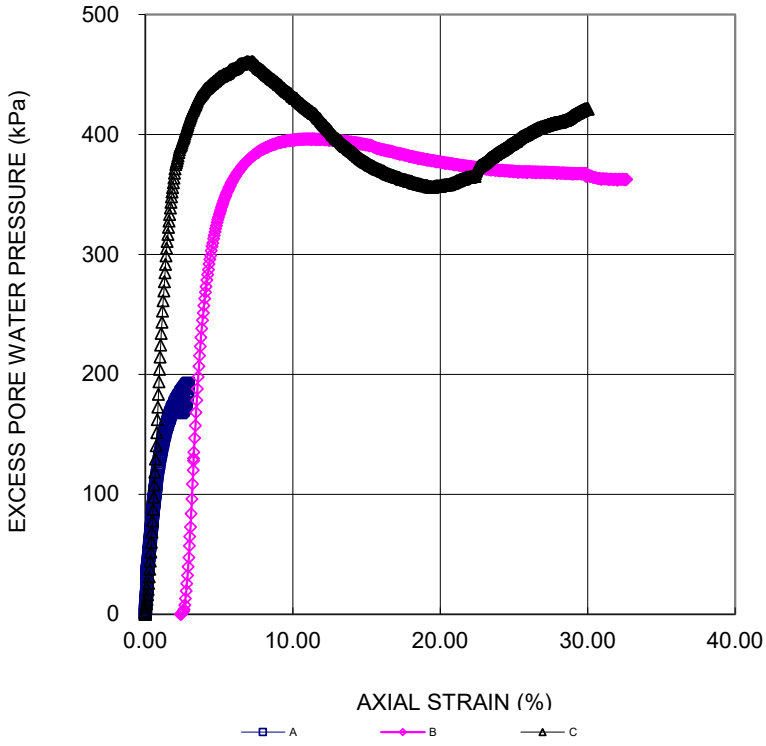
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

PF-BH-02 SA 58380





Date: 6/27/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-LG-BH-04		
SAMPLE	167506		
DEPTH, m	11.59-12.20		
SPECIMEN DIAMETER, cm	7.08	7.18	7.17
SPECIMEN HEIGHT, cm	13.53	13.68	13.93
NATURAL WATER CONTENT, %	28.5	27.3	27.6
DRY DENSITY, Mg/m^3	1.61	1.62	1.62
WATER CONTENT AFTER SATURATION, %	28.1	25.9	26.7
CELL PRESSURE, σ_3, kPa	350.0	500.0	660.0
BACK PRESSURE, kPa	200.0	200.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	3.5	4.0	6.9
WATER CONTENT AFTER CONSOLIDATION, %	25.9	23.4	22.4
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	60.0	60.0	48.6
WATER CONTENT AFTER TEST, %	25.3	23.4	22.7
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	244.6	570.3	1013.1
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	30.0	30.0	24.3
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.7	3.7	3.6
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	189.9	303.5	852.8
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	5.5	7.3	11.0
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.17	0.08	0.16
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.42	0.62	0.32
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 3-18cm from top of tube.
Specimen B taken 33-48cm from top of tube.
Specimen C taken 18-33cm from top of tube.

FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

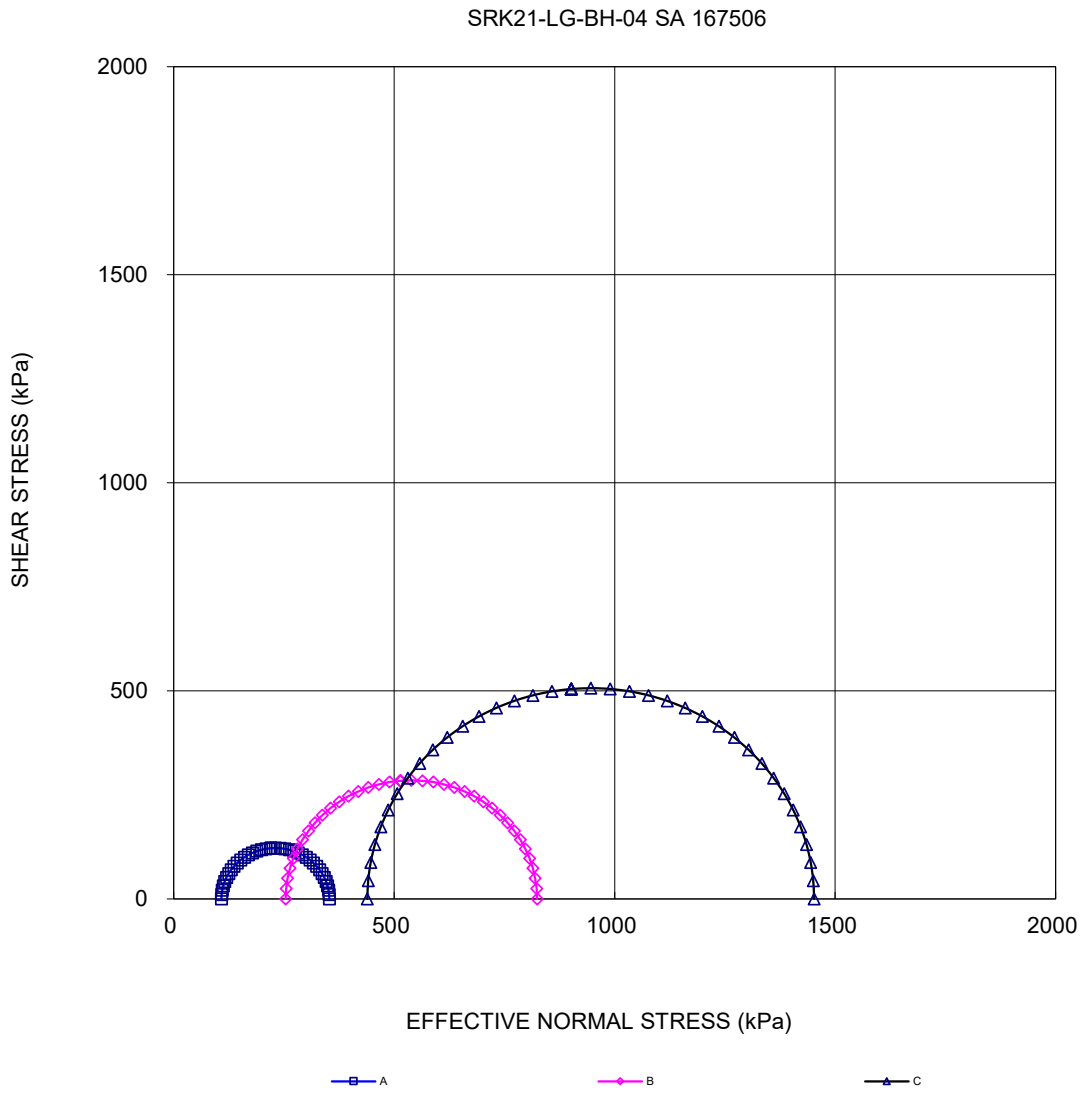
Date: 7/19/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



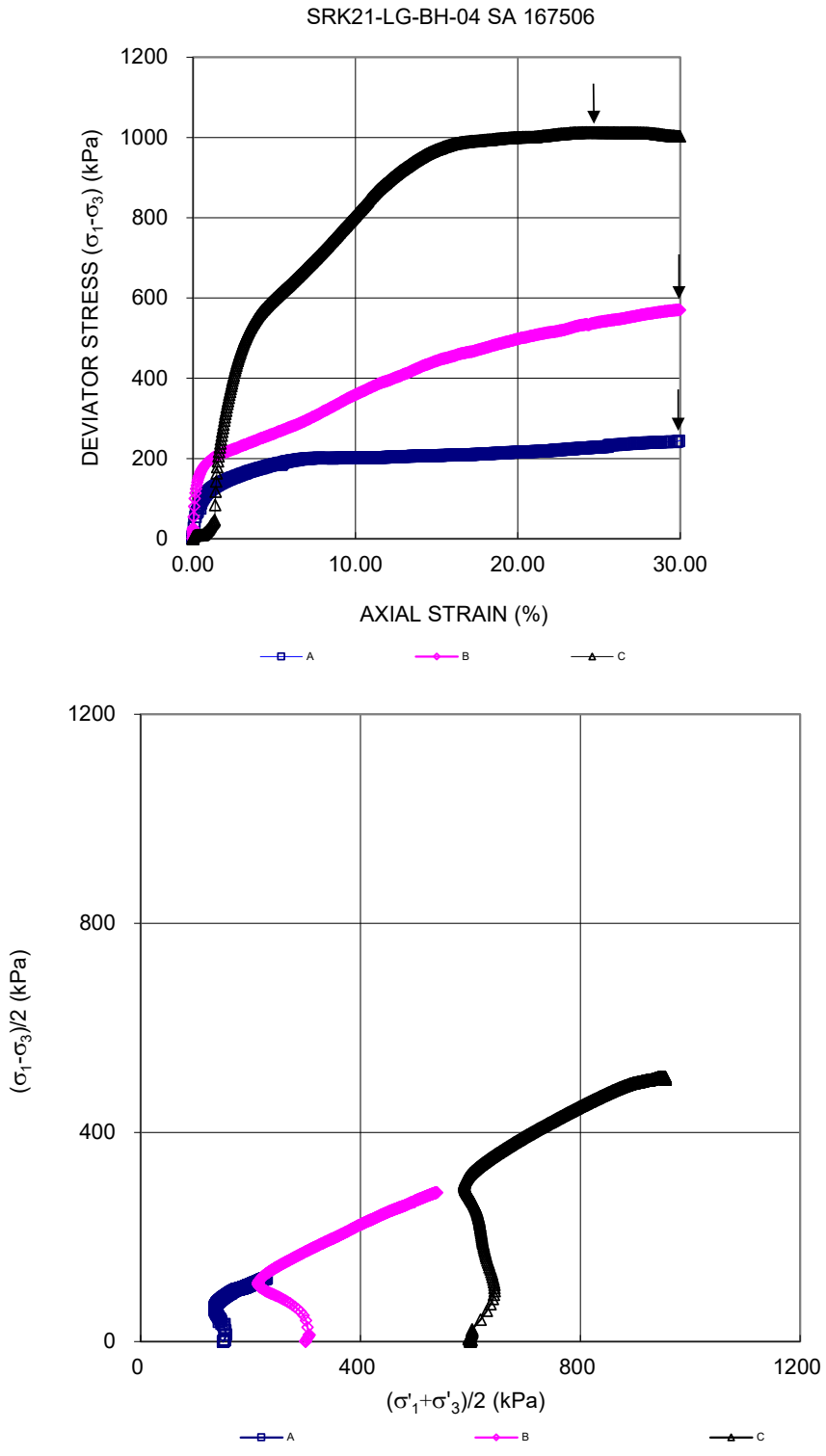
Date: 7/19/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE



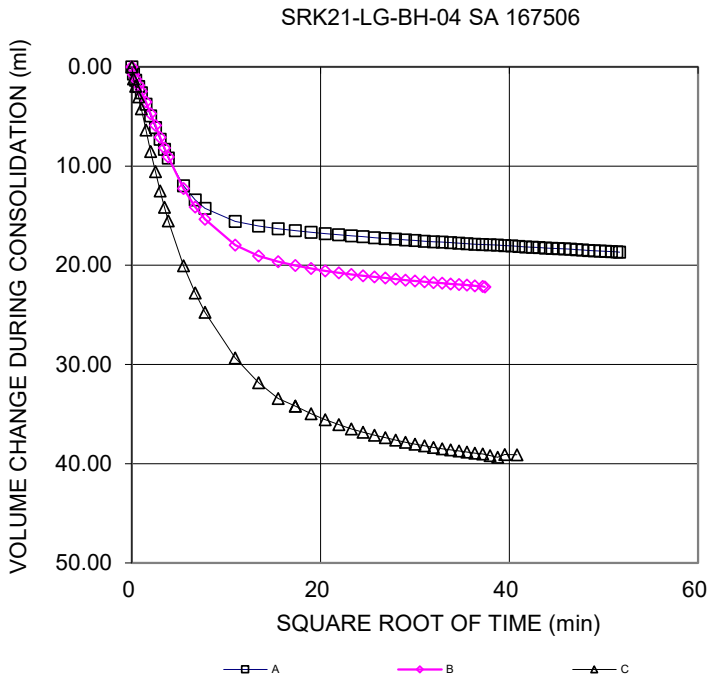
Date: 7/19/2022
Project No. 21504835

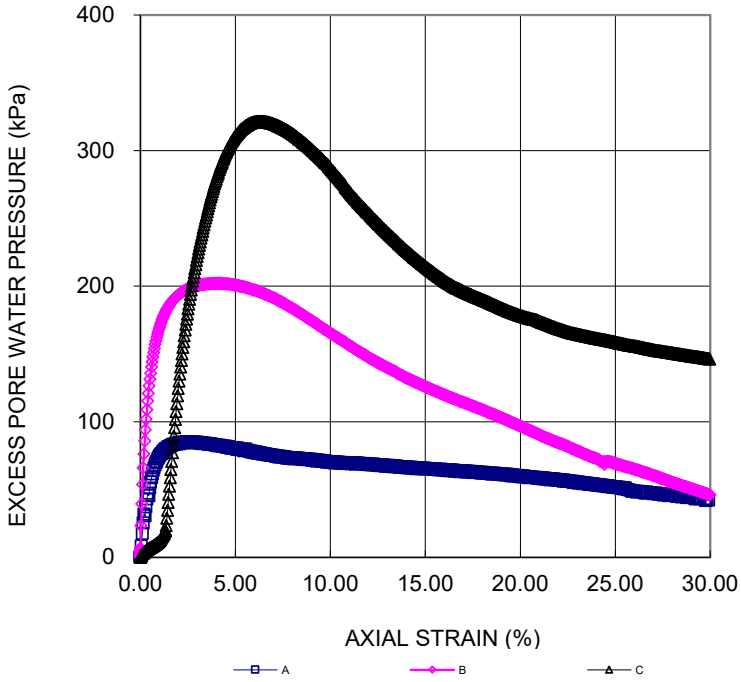
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 7/19/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL WITH PORE PRESSURE MEASUREMENTS ASTM D4767 SHEET 1 OF 4			FIGURE
TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-LG-BH04		
SAMPLE	167511		
DEPTH, m	19.5-19.8		
SPECIMEN DIAMETER, cm	5.06	5.06	5.06
SPECIMEN HEIGHT, cm	10.17	10.16	10.15
NATURAL WATER CONTENT, %	8.1	7.9	8.3
DRY DENSITY, Mg/m^3	1.719	1.722	1.719
WATER CONTENT AFTER SATURATION, %	16.1	17.9	19.3
CELL PRESSURE, σ_3, kPa	750.0	810.0	1070.0
BACK PRESSURE, kPa	550.0	410.0	270.0
PORE PRESSURE PARAMETER "B"	0.99	0.97	0.95
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	1.7	7.9	9.6
WATER CONTENT AFTER CONSOLIDATION, %	15.1	13.3	13.7
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	1.4	2.1	4.2
WATER CONTENT AFTER TEST, %	14.3	13.5	11.6
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	99.1	207.3	508.1
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	0.7	1.1	2.1
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.0	3.1	3.3
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	35.3	110.6	374.3
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	22.2	8.0	12.3
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.92	0.94	0.76
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	5.15	3.13	1.70
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.

Specimens compacted to a target density of 1.712g/cm3 at about 8% water content.

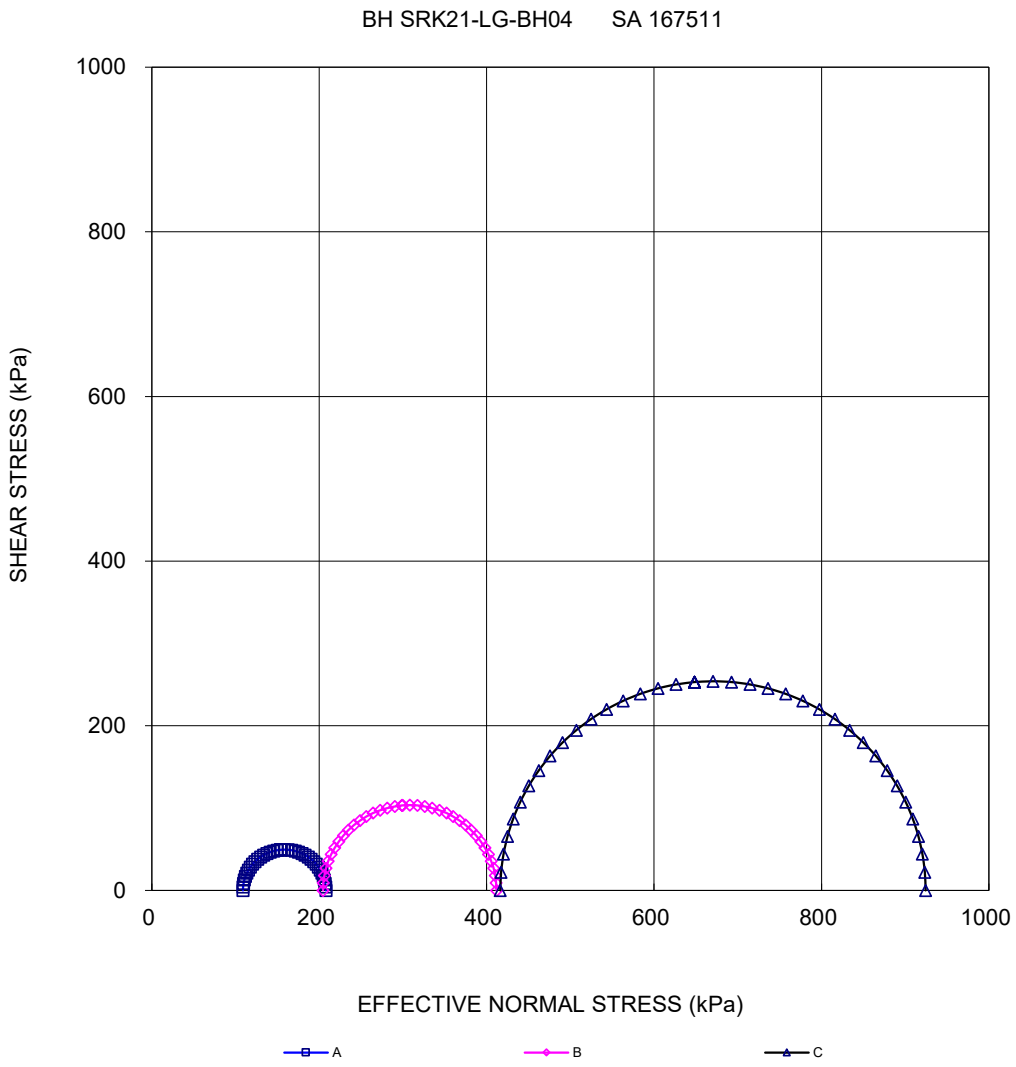
FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

Date: 10/18/2022 Prepared By IR

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 10/18/2022
Project No. 21504835

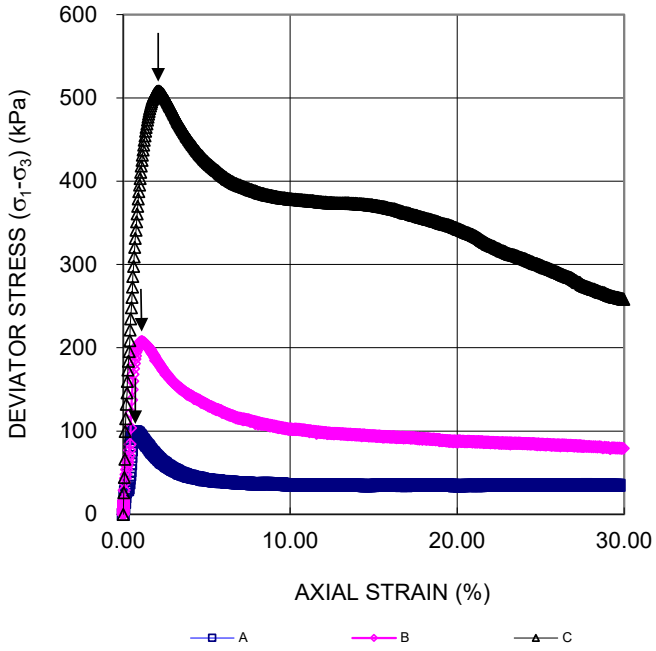
Golder Associates

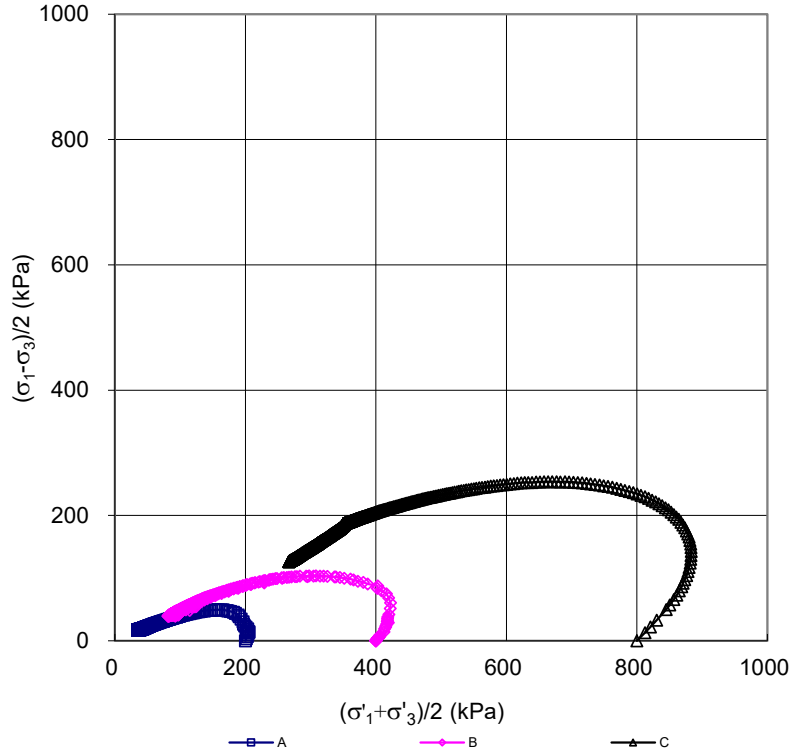
Prepared By IR
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

BH SRK21-LG-BH04 SA 167511





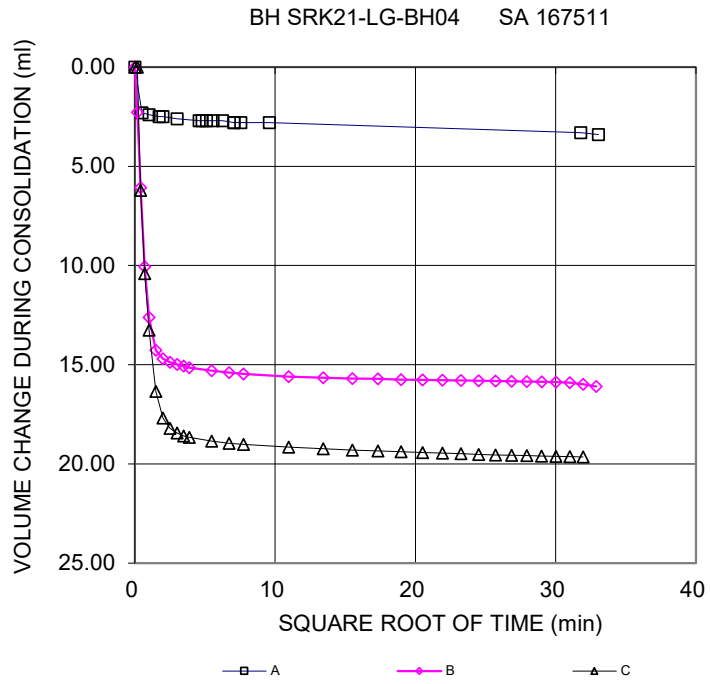
Date: 10/18/2022
Project No. 21504835

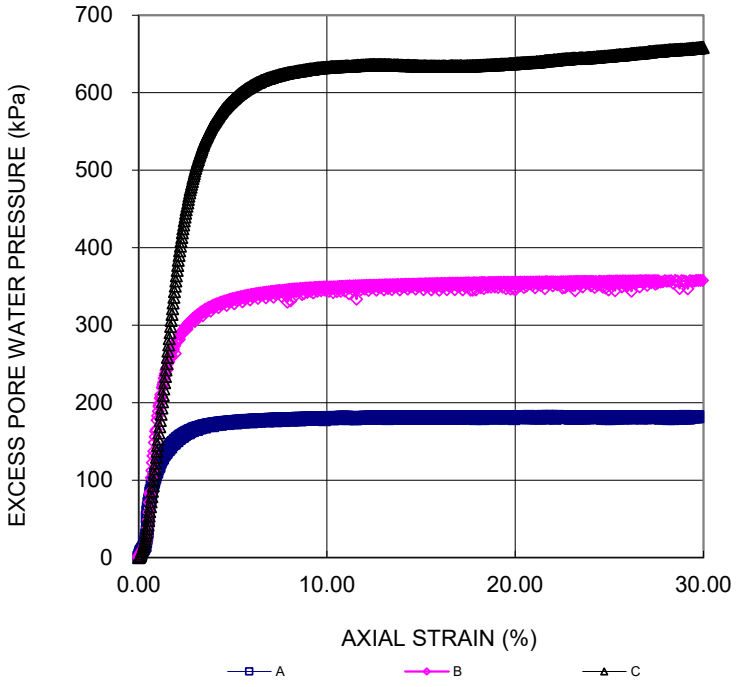
Golder Associates

Prepared By IR
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 10/18/2022
Project No. 21504835

Golder Associates

Prepared By IR
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-NWR-BH-07		
SAMPLE	35252		
DEPTH, m	11.59-12.20		
SPECIMEN DIAMETER, cm	6.92	6.99	6.77
SPECIMEN HEIGHT, cm	14.21	14.32	14.22
NATURAL WATER CONTENT, %	43.3	45.3	44.3
DRY DENSITY, Mg/m^3	1.24	1.19	1.27
WATER CONTENT AFTER SATURATION, %	43.3	45.5	45.7
CELL PRESSURE, σ_3, kPa	330.0	530.0	860.0
BACK PRESSURE, kPa	130.0	130.0	60.0
PORE PRESSURE PARAMETER "B"	0.99	0.99	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	8.5	10.0	16.5
WATER CONTENT AFTER CONSOLIDATION, %	36.4	37.1	32.7
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	8.3	6.3	6.4
WATER CONTENT AFTER TEST, %	36.8	37.2	33.5
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	118.0	167.9	340.0
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	4.1	3.2	3.2
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.7	2.9	2.9
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	108.7	146.0	311.1
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	10.6	13.9	11.5
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	1.02	1.58	1.58
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	1.27	2.21	2.05
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 3-18cm from top of tube.
Specimen B taken 18-33cm from top of tube.
Specimen C taken 33-48cm from top of tube.

FAILURE PLANE NUMBER	1.0	1.0	1.0
ANGLE OF FAILURE PLANE, DEGREES	65.0	65.0	60.0

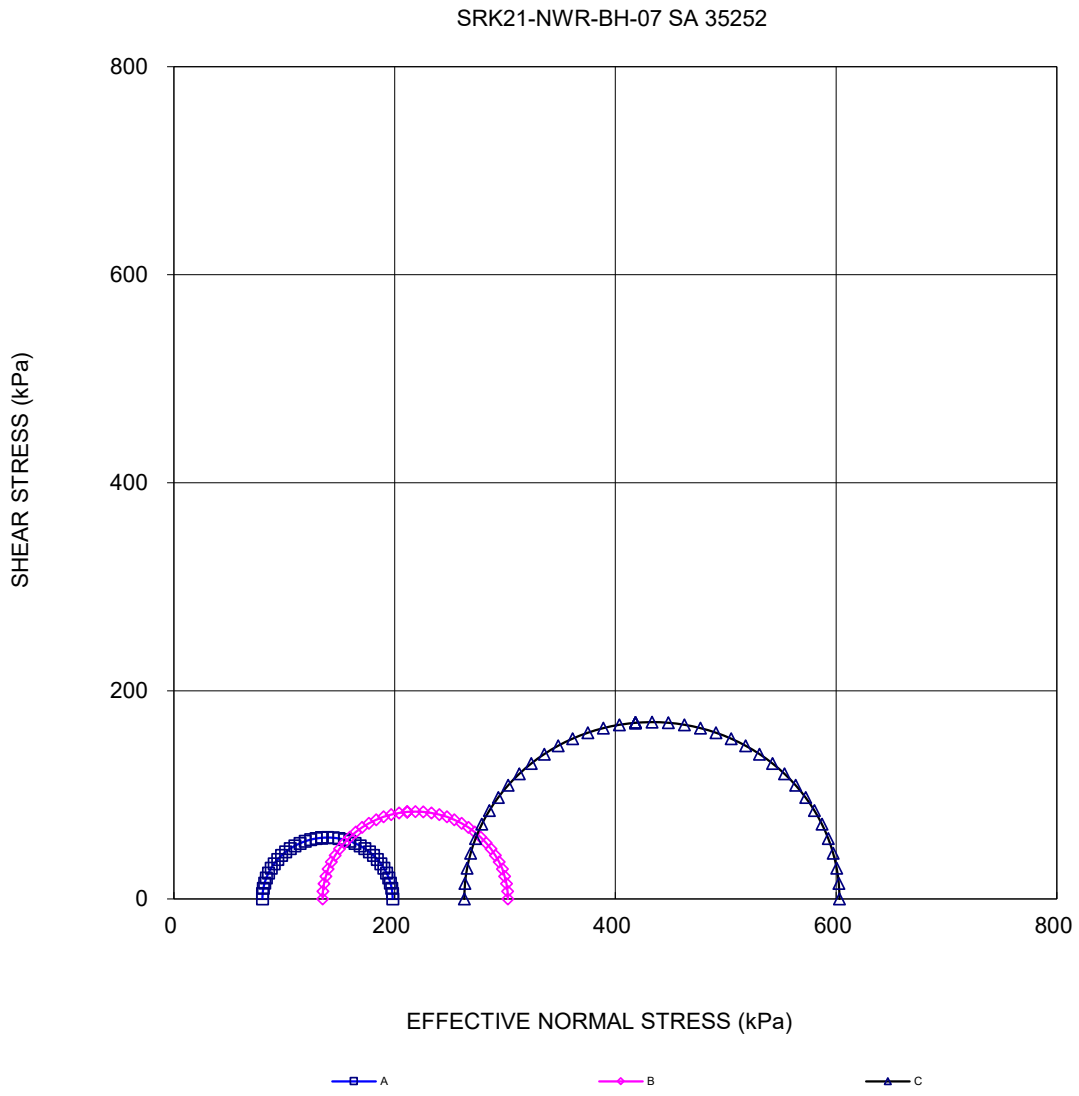
Date: 8/06/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 8/06/2022
Project No. 21504835

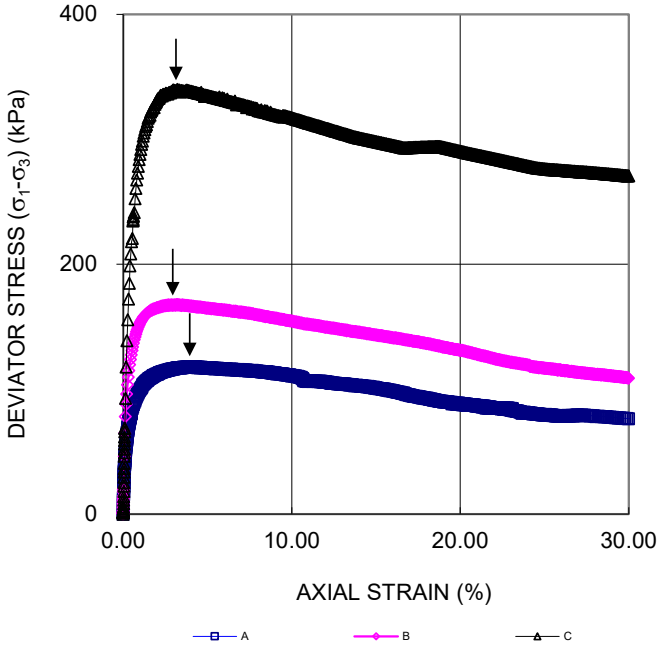
Golder Associates

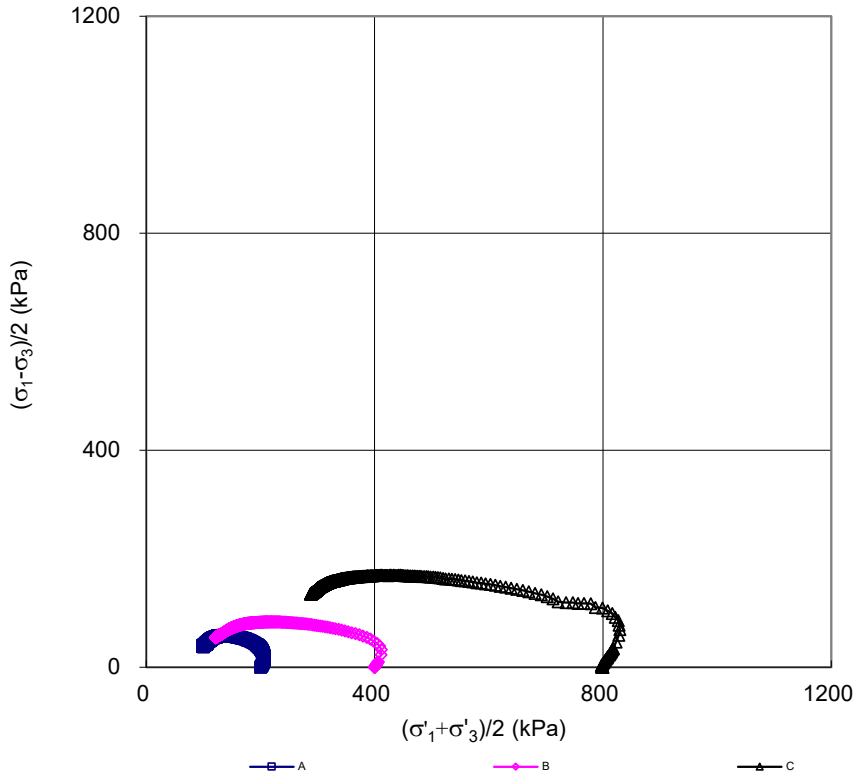
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-NWR-BH-07 SA 35252





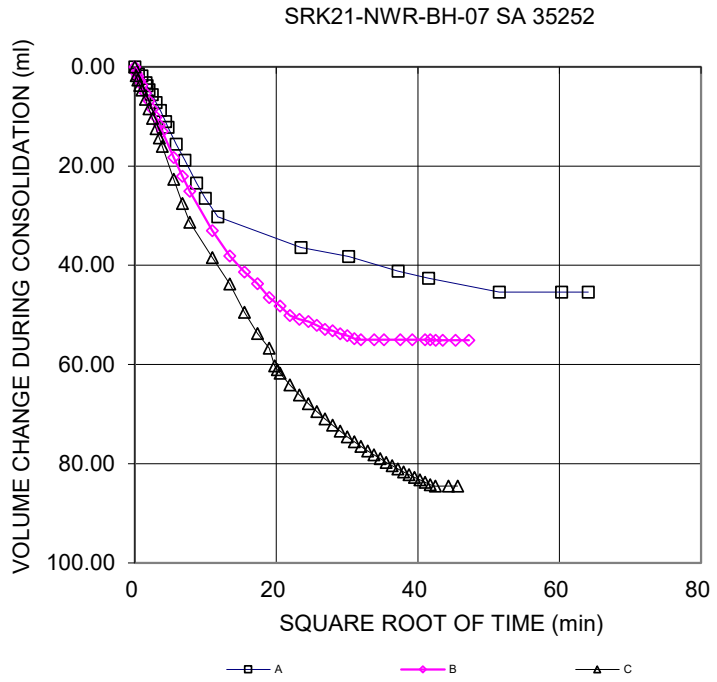
Date: 8/06/2022
Project No. 21504835

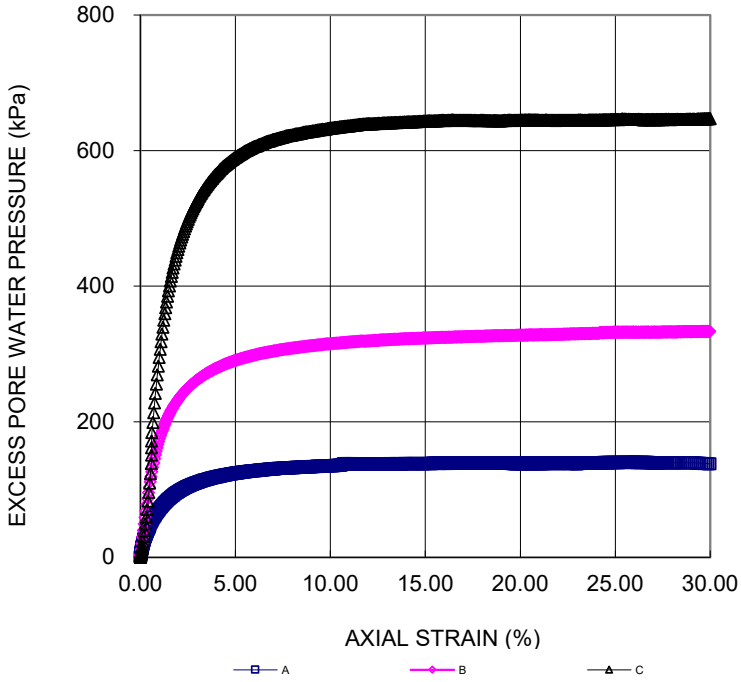
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 8/06/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-NWR-BH-07		
SAMPLE	35255		
DEPTH, m	17.99-18.60		
SPECIMEN DIAMETER, cm	7.00	6.78	6.73
SPECIMEN HEIGHT, cm	13.65	13.00	12.68
NATURAL WATER CONTENT, %	31.5	-	-
DRY DENSITY, Mg/m^3	1.50	-	-
WATER CONTENT AFTER SATURATION, %	31.0	-	-
CELL PRESSURE, σ_3, kPa	310.0	560.0	1060.0
BACK PRESSURE, kPa	60.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	250.0	500.0	1000.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	9.5	2.2	3.0
WATER CONTENT AFTER CONSOLIDATION, %	24.7	23.4	21.6
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	3.0	6.7	24.6
WATER CONTENT AFTER TEST, %	-	-	22.3
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	172.4	444.9	782.0
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	1.5	3.4	12.3
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.4	2.8	3.0
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	172.2	444.6	777.8
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	1.6	3.4	10.8
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.72	0.56	0.78
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.74	0.57	0.79
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES: Multistage Test.
Effective consolidation stresses are assigned by the client.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	65.0

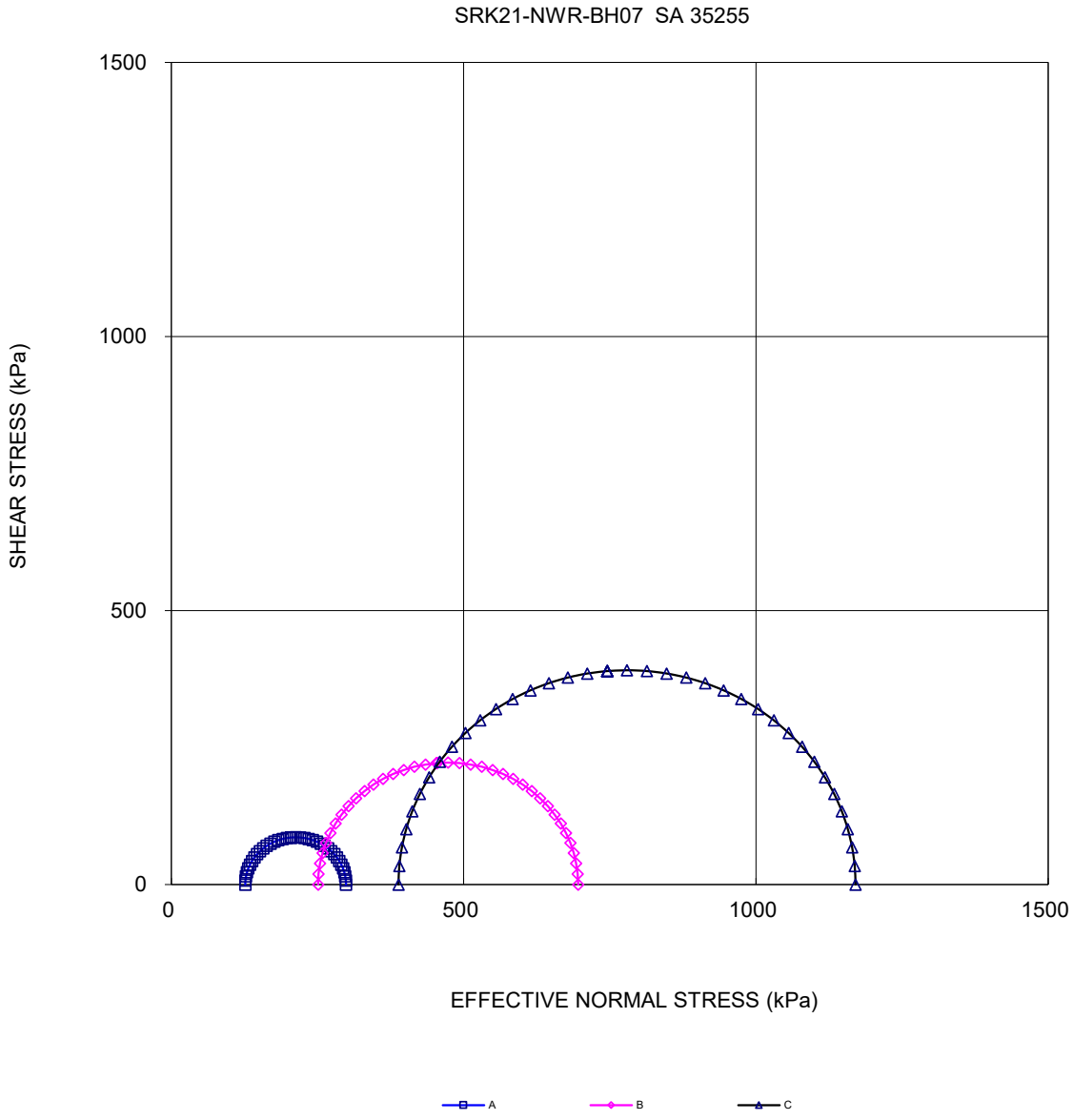
Date: 8/21/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 8/21/2022
Project No. 21504835

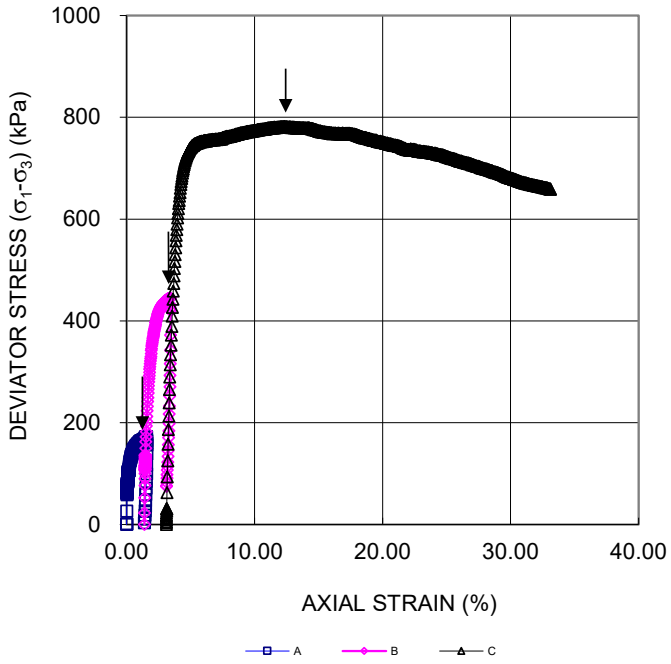
Golder Associates

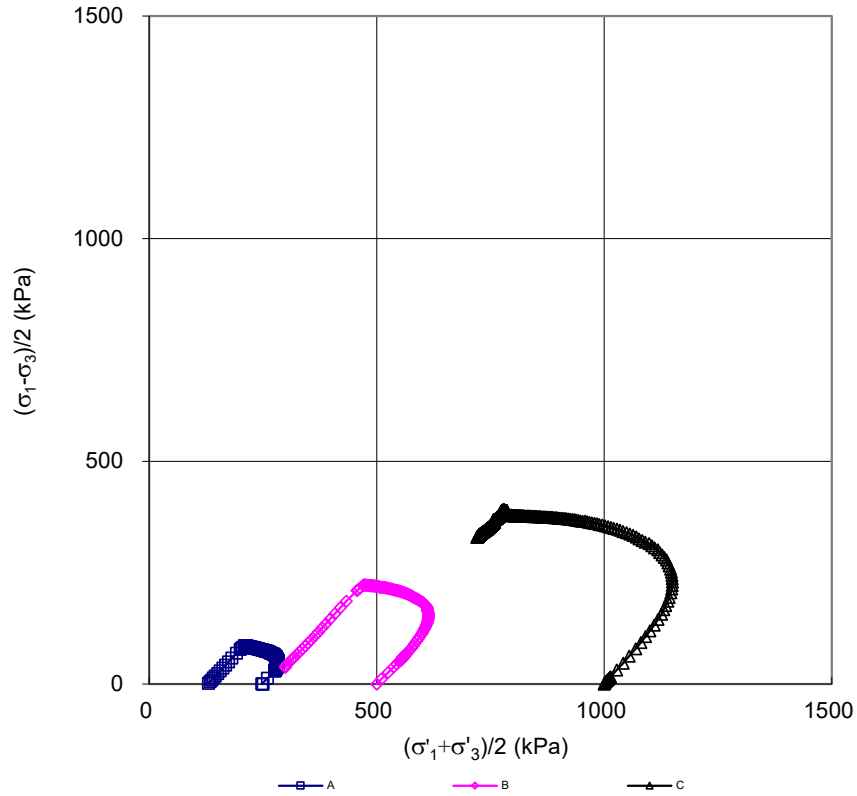
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-NWR-BH07 SA 35255





Date: 8/21/2022
Project No. 21504835

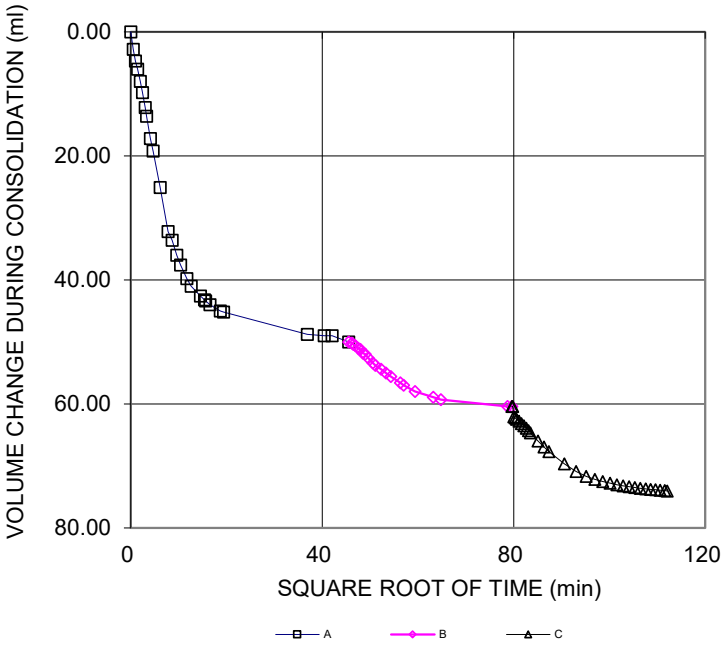
Golder Associates

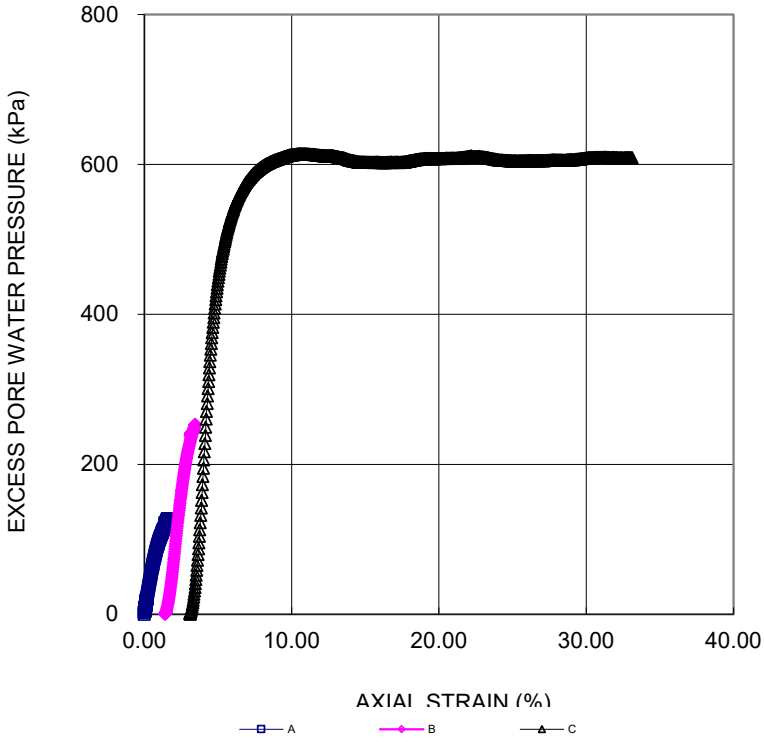
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

SRK21-NWR-BH07 SA 35255





Date: 8/21/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-OP-BD-01		
SAMPLE	58459		
DEPTH, m	8.5-9.1		
SPECIMEN DIAMETER, cm	6.94	6.87	6.92
SPECIMEN HEIGHT, cm	13.88	14.01	14.14
NATURAL WATER CONTENT, %	23.7	24.7	24.5
DRY DENSITY, Mg/m^3	1.66	1.65	1.65
WATER CONTENT AFTER SATURATION, %	22.8	23.9	24.1
CELL PRESSURE, σ_3, kPa	230.0	330.0	530.0
BACK PRESSURE, kPa	130.0	130.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	100.0	200.0	400.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	5.4	7.7	10.7
WATER CONTENT AFTER CONSOLIDATION, %	19.2	19.2	17.6
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	29.9	30.0	30.0
WATER CONTENT AFTER TEST, %	19.7	19.8	18.0
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	116.0	202.3	341.0
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	15.0	15.0	15.0
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.4	3.3	3.1
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	105.8	194.6	338.2
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	9.0	10.5	11.9
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.42	0.54	0.70
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.52	0.59	0.71
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 0-15cm from top of tube.
Specimen B taken 15-30cm from top of tube.
Specimen C taken 30-45cm from top of tube.

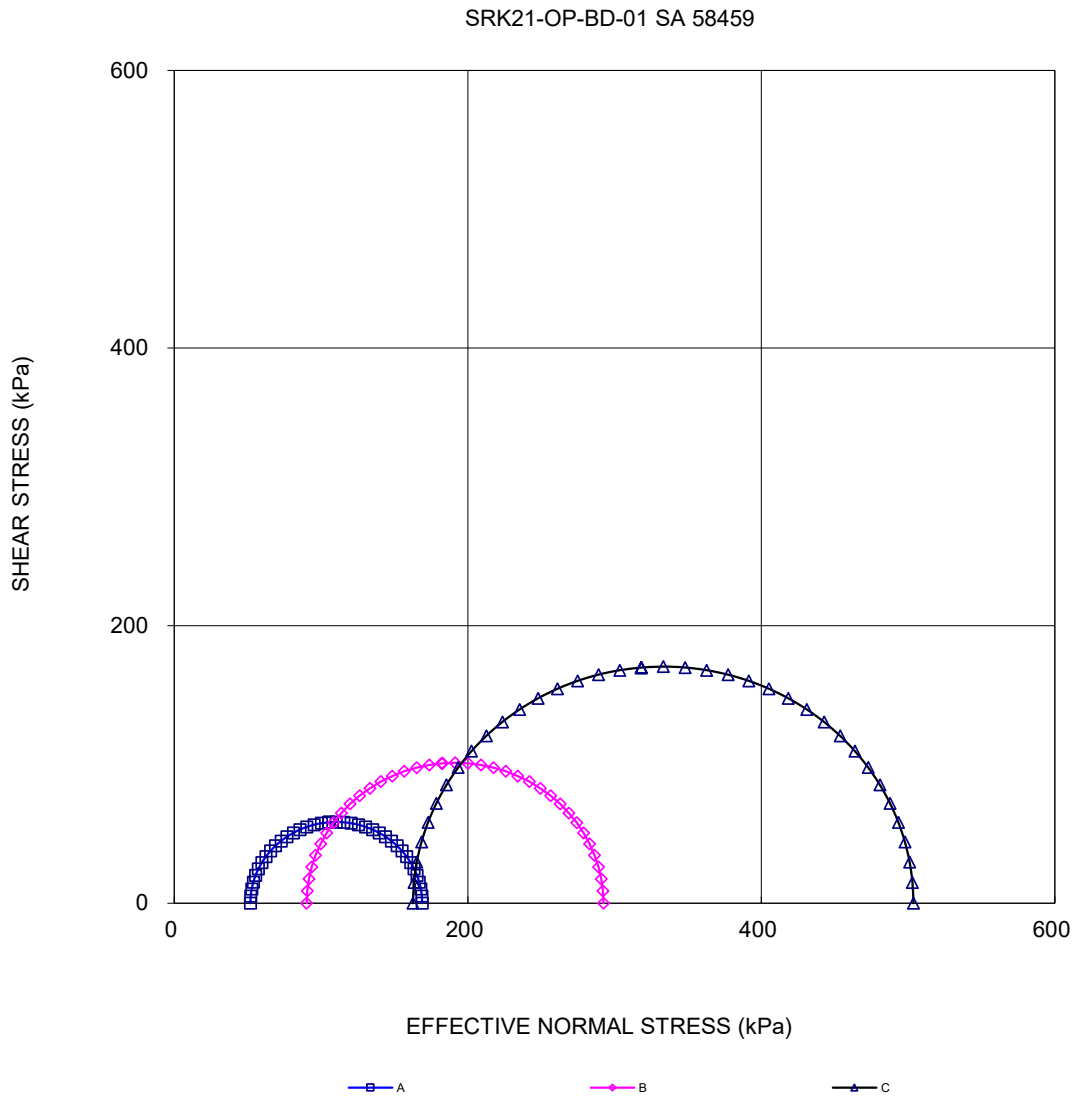
FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

Date: 2/18/2022 Prepared By: LH

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 2/18/2022
Project No. 21504835

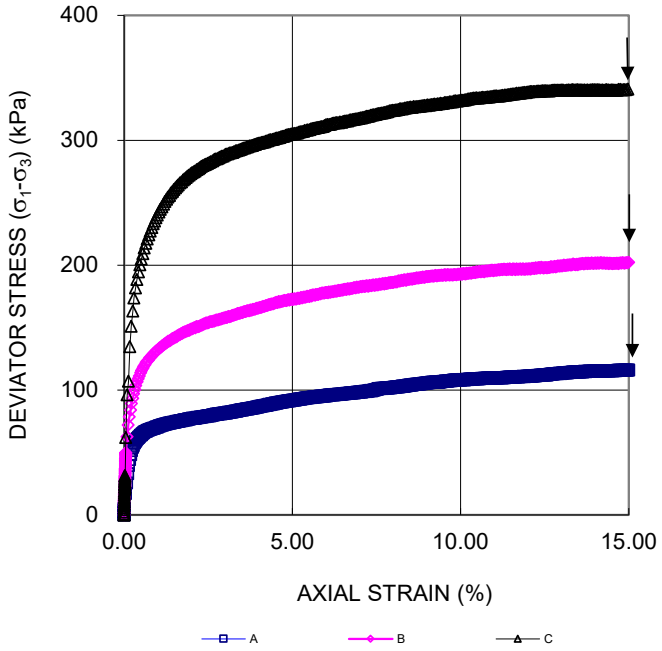
Golder Associates

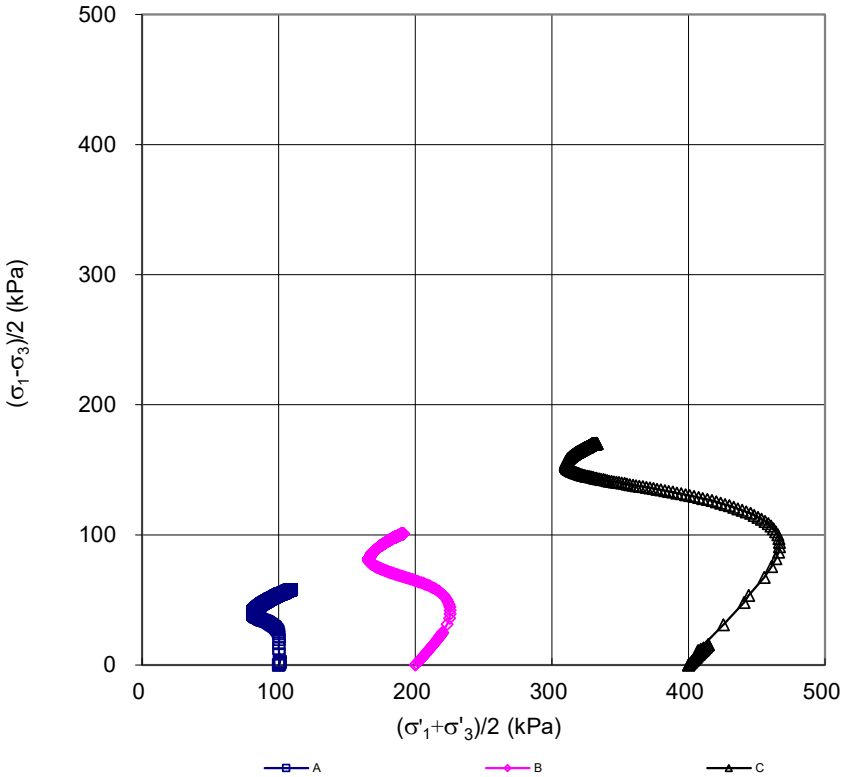
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-OP-BD-01 SA 58459





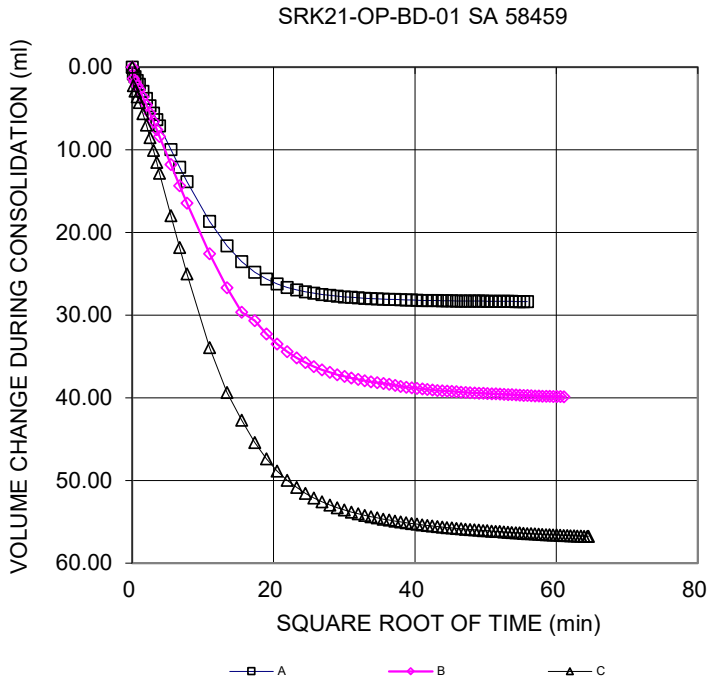
Date: 2/18/2022
Project No. 21504835

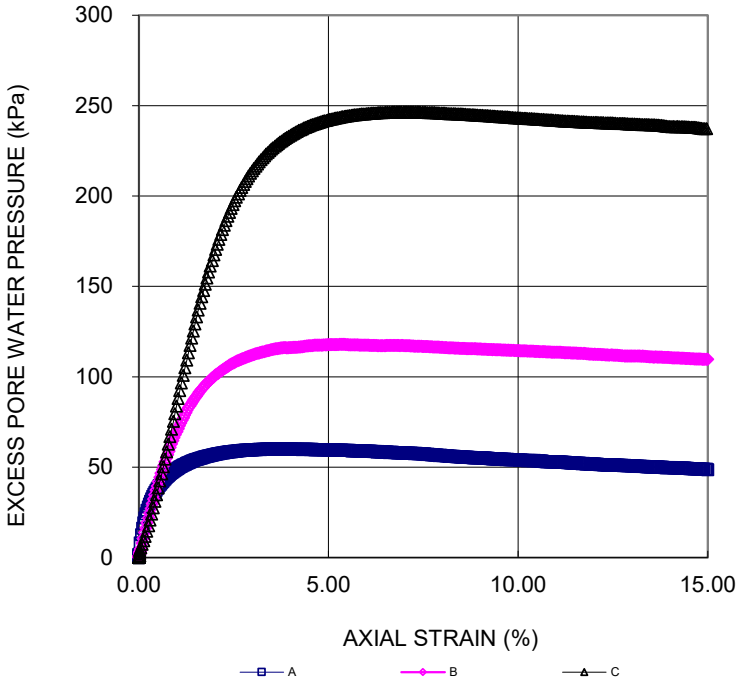
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 2/18/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

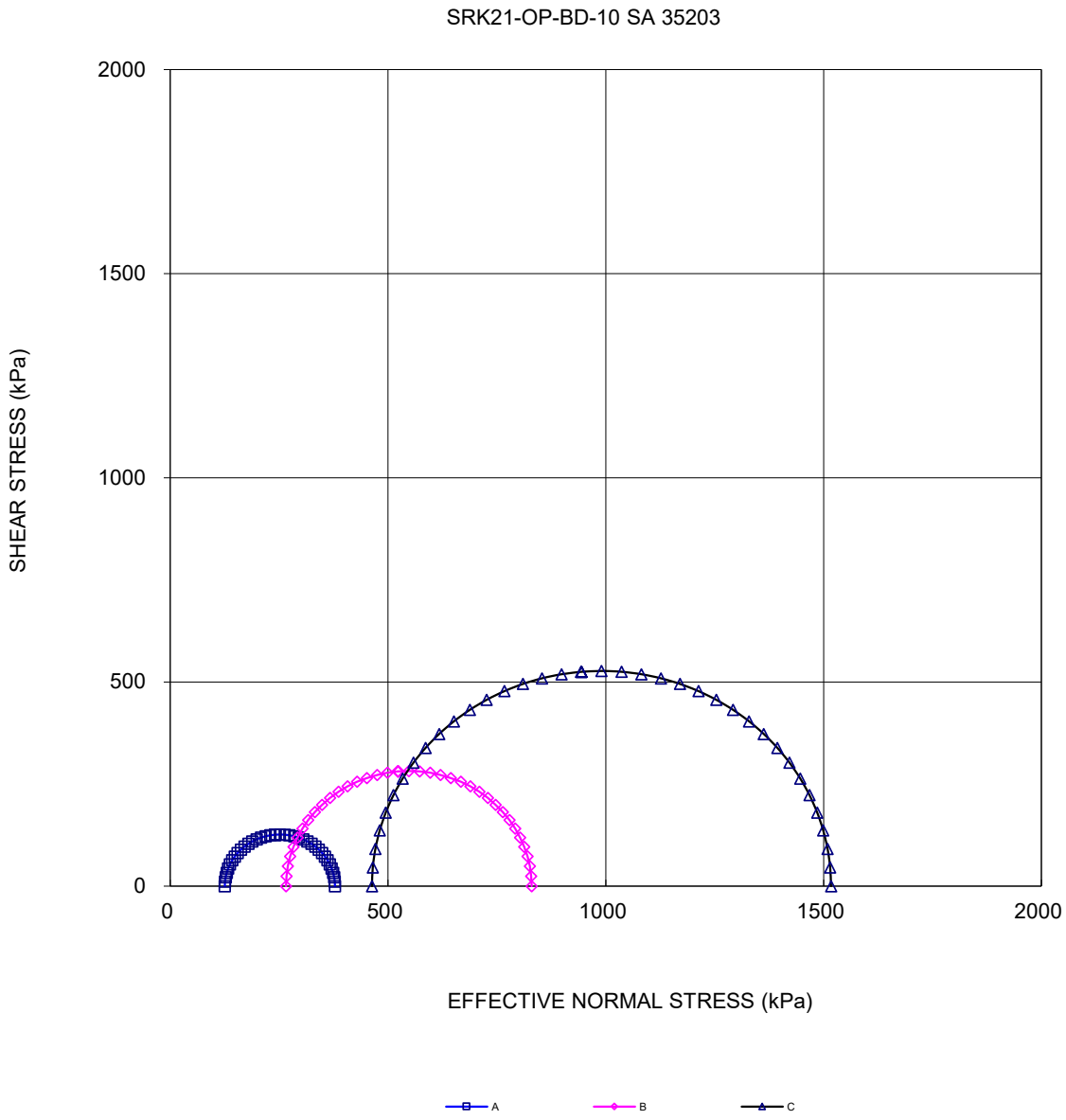
CONSOLIDATED UNDRAINED TRIAXIAL WITH PORE PRESSURE MEASUREMENTS ASTM D4767 SHEET 1 OF 4			FIGURE
TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-OP-BD-10		
SAMPLE	35203		
DEPTH, m	2.74-3.35		
SPECIMEN DIAMETER, cm	5.01	4.94	4.90
SPECIMEN HEIGHT, cm	10.40	9.97	9.70
NATURAL WATER CONTENT, %	16.6	-	-
DRY DENSITY, Mg/m^3	1.87	-	-
WATER CONTENT AFTER SATURATION, %	17.1	-	-
CELL PRESSURE, σ_3, kPa	380.0	630.0	930.0
BACK PRESSURE, kPa	130.0	130.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	250.0	500.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	4.6	2.4	2.0
WATER CONTENT AFTER CONSOLIDATION, %	16.9	13.4	12.4
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	5.5	9.4	21.7
WATER CONTENT AFTER TEST, %	-	-	13.7
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	252.8	563.9	1054.0
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.7	4.7	10.8
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.0	3.1	3.3
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	252.8	563.9	1030.9
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.7	4.7	8.9
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.49	0.42	0.32
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.49	0.42	0.34
FILTER DRAINS USED, y/n	y	y	y
TEST NOTES: Multistage Test. Effective consolidation stresses are assigned by the client. Specimen taken 0-14cm from top of tube.			
FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	65.0

Date: 5/11/2022 Prepared By: LH

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



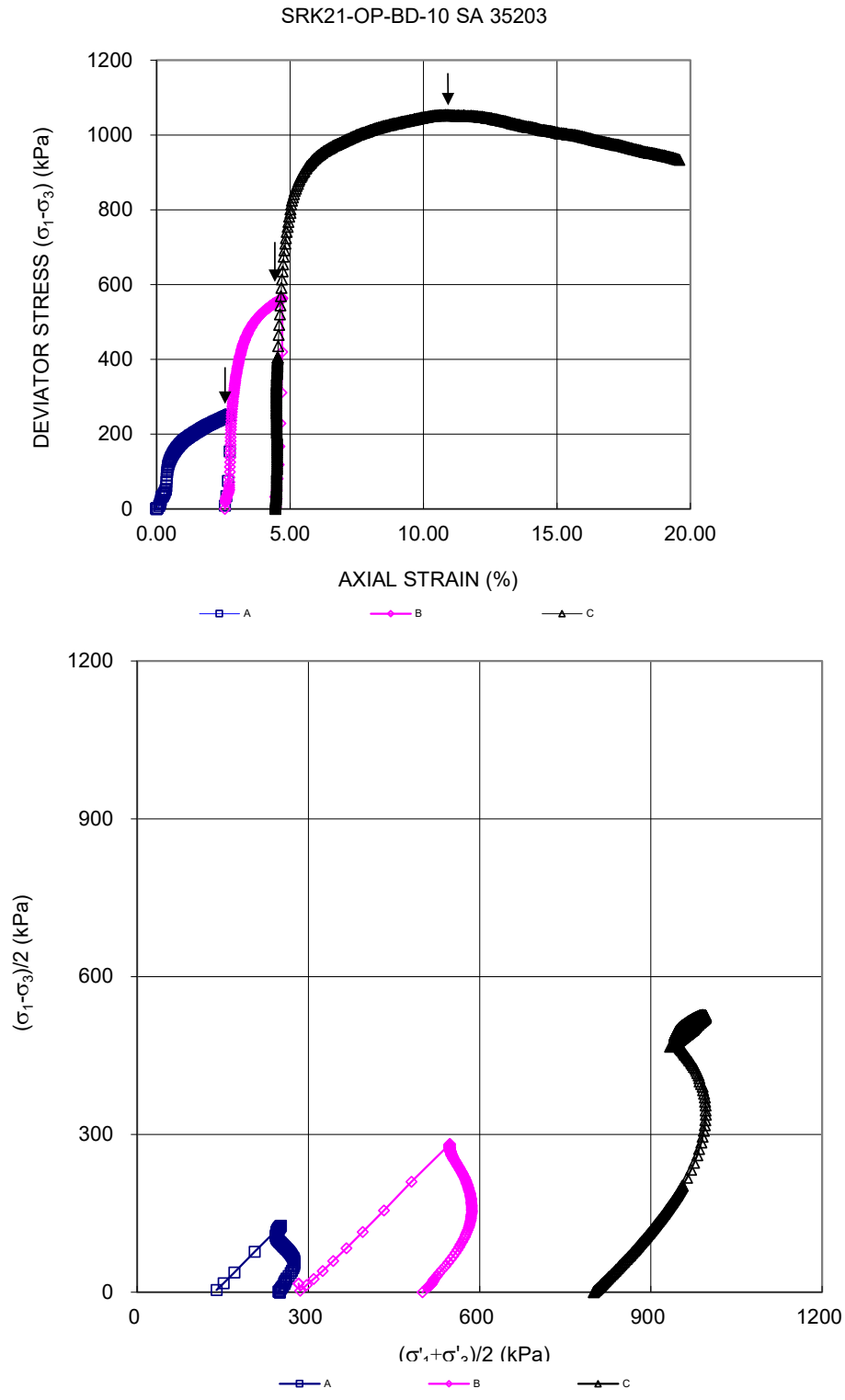
Date: 5/11/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE



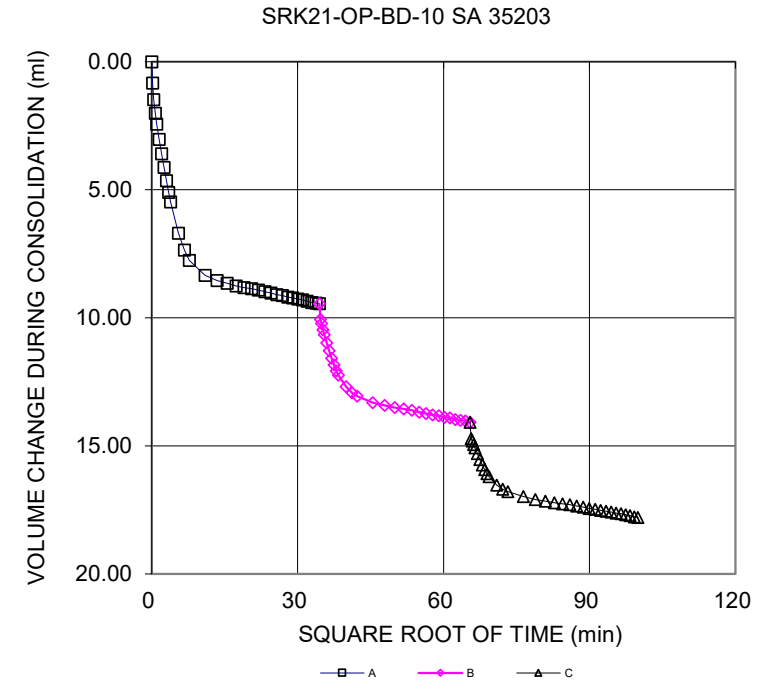
Date: 5/11/2022
Project No. 21504835

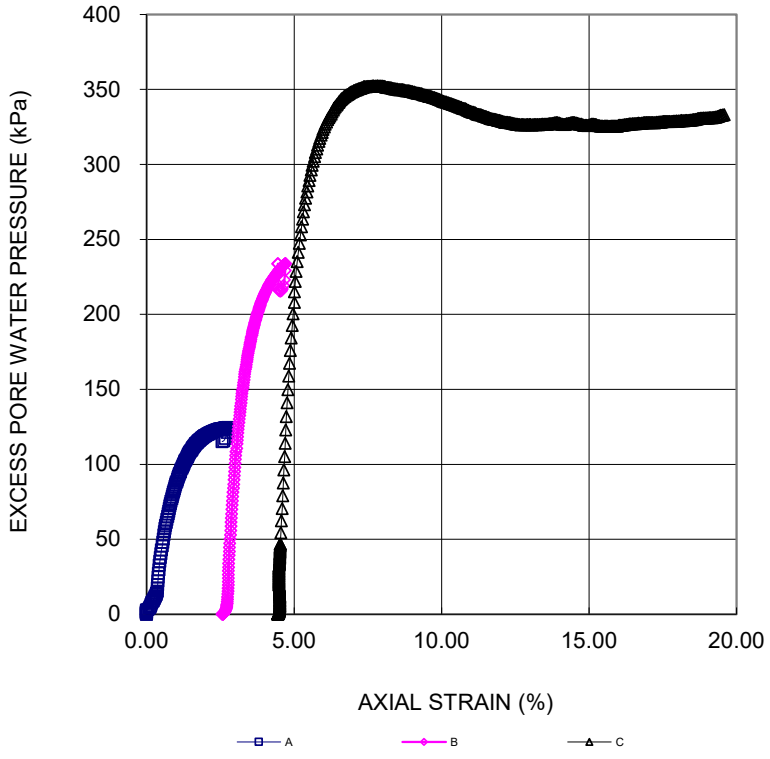
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 5/11/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-OP-BD-12		
SAMPLE	35165		
DEPTH, m	-		
SPECIMEN DIAMETER, cm	6.81	6.70	6.54
SPECIMEN HEIGHT, cm	14.06	13.47	14.81
NATURAL WATER CONTENT, %	20.2	-	21.0
DRY DENSITY, Mg/m^3	1.77	-	1.79
WATER CONTENT AFTER SATURATION, %	20.8	-	20.5
CELL PRESSURE, σ_3, kPa	400.0	600.0	930.0
BACK PRESSURE, kPa	200.0	200.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	-	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	5.1	2.5	10.0
WATER CONTENT AFTER CONSOLIDATION, %	17.9	16.6	15.0
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	5.5	53.5	15.4
WATER CONTENT AFTER TEST, %	-	16.2	15.7
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	169.5	373.2	572.1
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.7	26.7	7.7
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.1	3.1	2.9
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	169.5	335.2	567.4
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.7	11.1	6.0
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.69	0.56	0.86
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.69	0.72	0.88
FILTER DRAINS USED, y/n	y	y	y

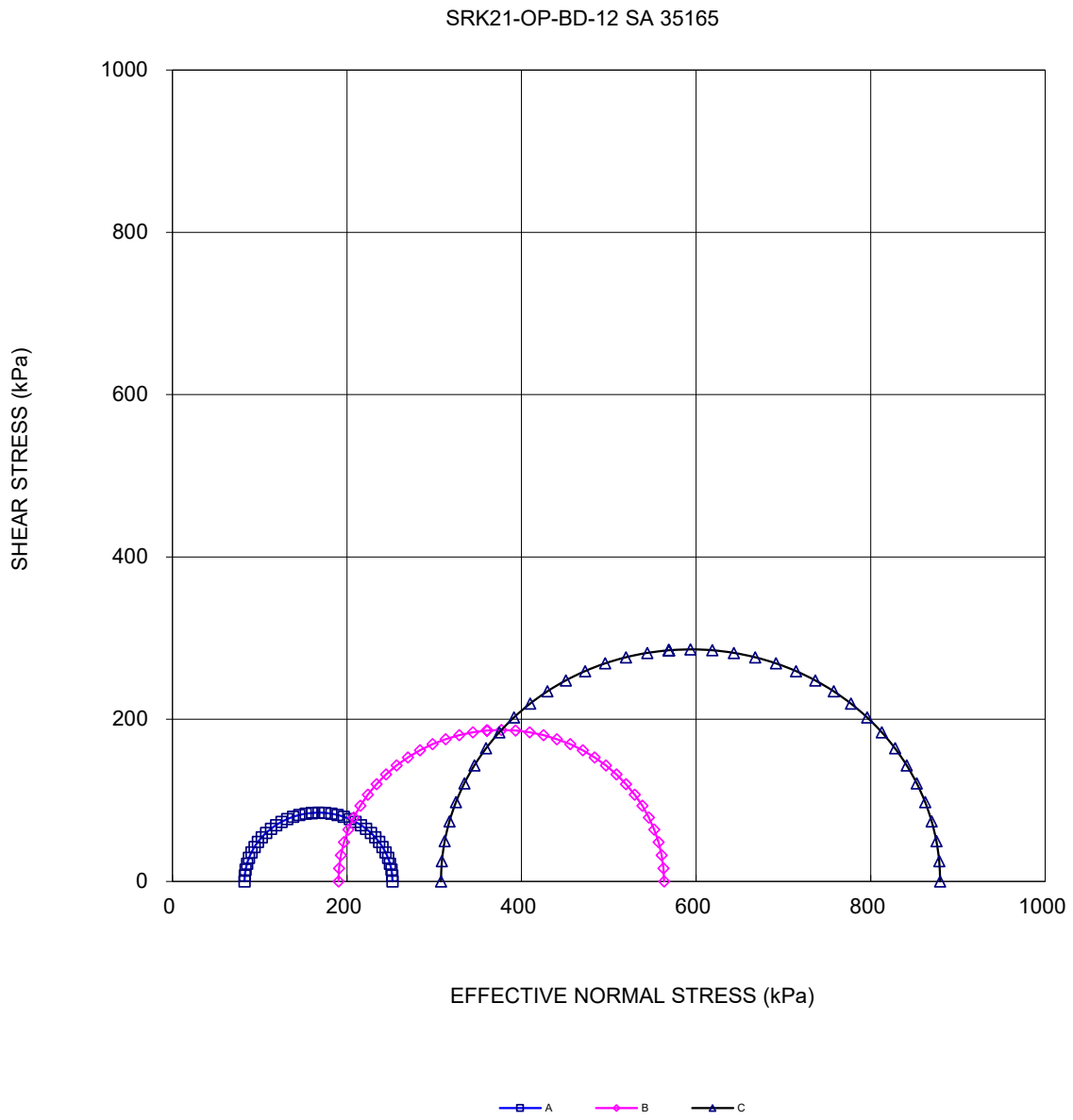
TEST NOTES: Multistage Test.
Effective consolidation stresses are assigned by the client.
Specimen A, B taken 30-50cm from bottom of tube.
Specimen C taken 14-30cm from bottom of tube.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	Bulged	80.0

Date: 3/29/2022 Prepared By: LH
Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 3/29/2022
Project No. 21504835

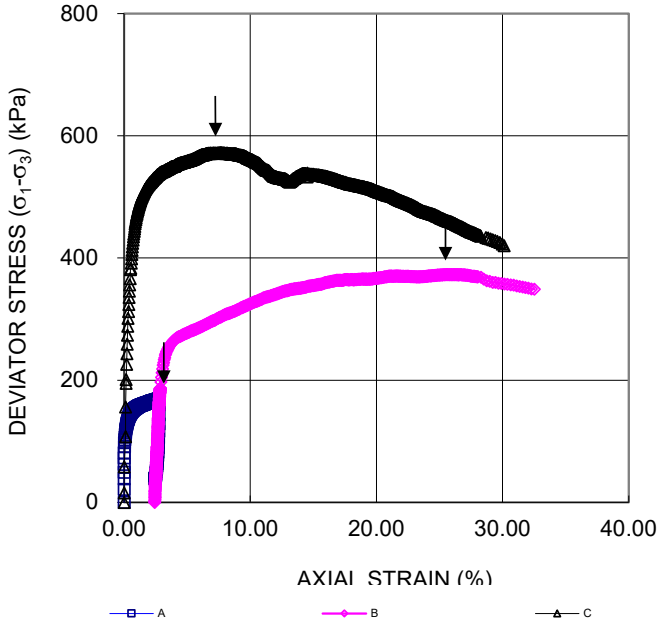
Golder Associates

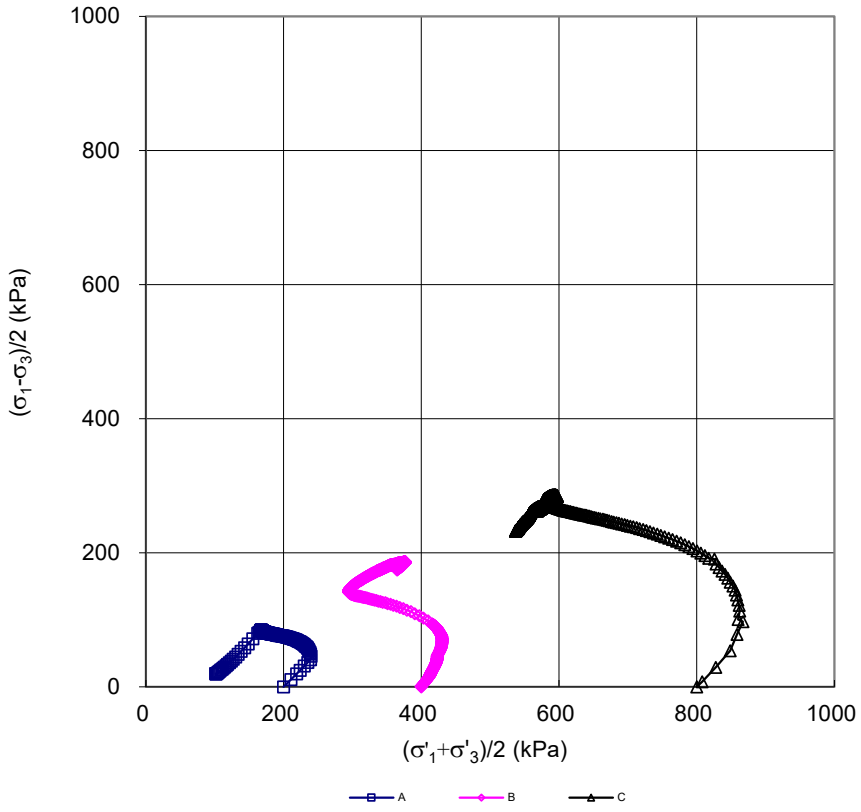
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-OP-BD-12 SA 35165





Date: 3/29/2022
Project No. 21504835

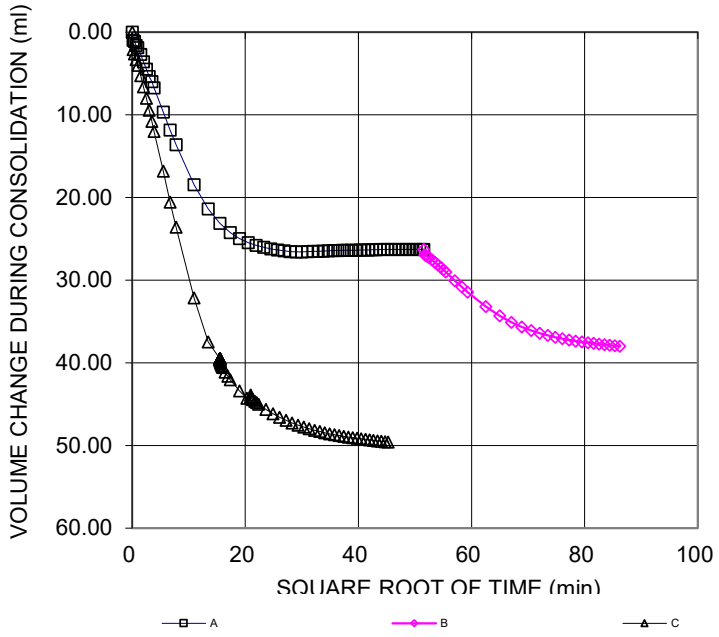
Golder Associates

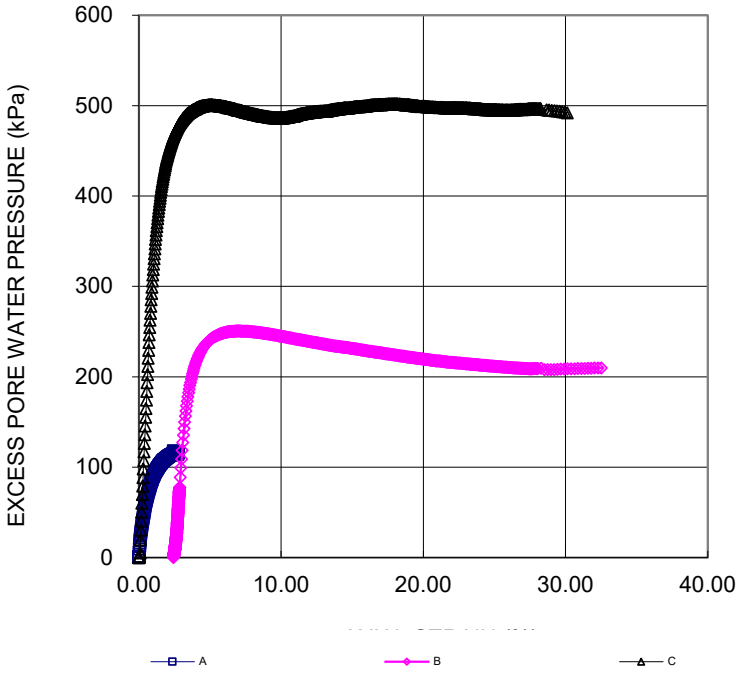
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

SRK21-OP-BD-12 SA 35165





Date: 3/29/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-OP-BH-02		
SAMPLE	167785		
DEPTH, m	11.89-12.50		
SPECIMEN DIAMETER, cm	4.98	4.77	4.66
SPECIMEN HEIGHT, cm	10.20	9.50	9.04
NATURAL WATER CONTENT, %	38.8	-	-
DRY DENSITY, Mg/m^3	1.35	-	-
WATER CONTENT AFTER SATURATION, %	39.8	-	-
CELL PRESSURE, σ_3, kPa	260.0	460.0	860.0
BACK PRESSURE, kPa	60.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	12.3	7.1	5.1
WATER CONTENT AFTER CONSOLIDATION, %	30.6	26.1	23.1
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	5.3	10.6	19.2
WATER CONTENT AFTER TEST, %	-	-	26.7
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	134.0	324.8	638.7
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.6	5.3	9.6
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.4	2.4	2.8
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	134.0	324.8	623.8
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.6	5.3	12.4
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.76	0.51	0.64
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.76	0.51	0.72
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES: Multistage Test.
Effective consolidation stresses are assigned by the client.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	70.0

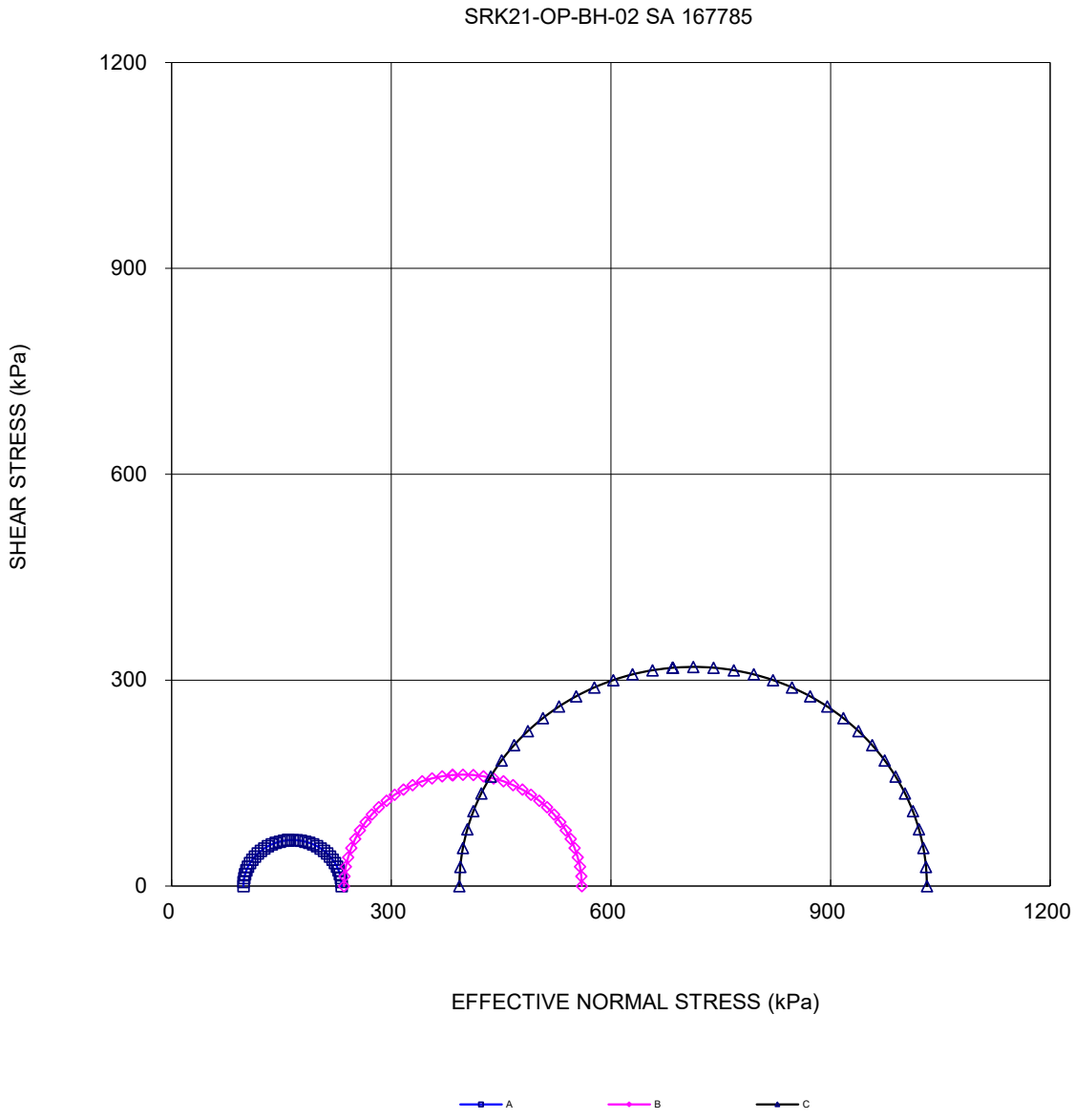
Date: 5/13/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



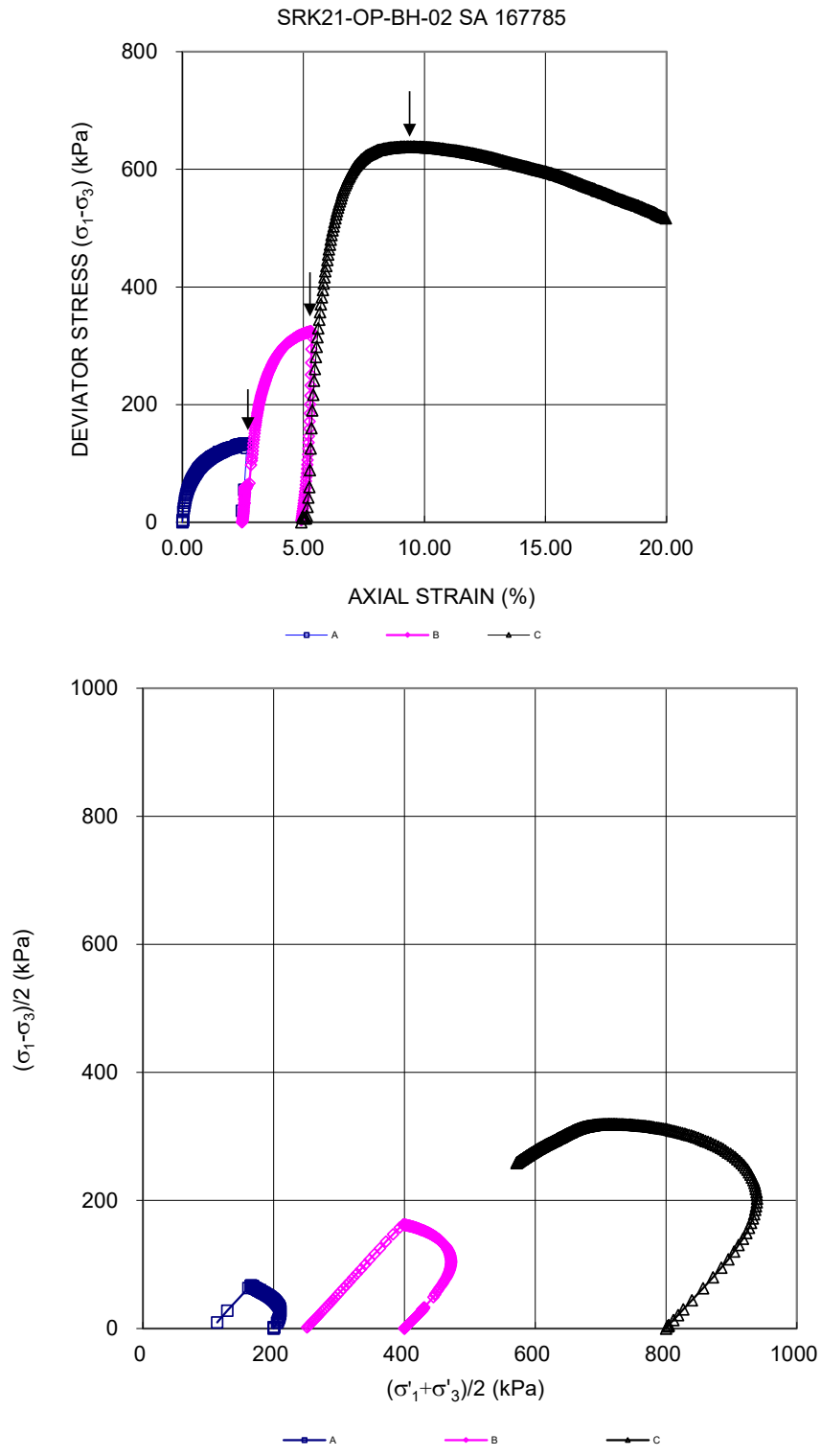
Date: 5/13/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE



Date: 5/13/2022
Project No. 21504835

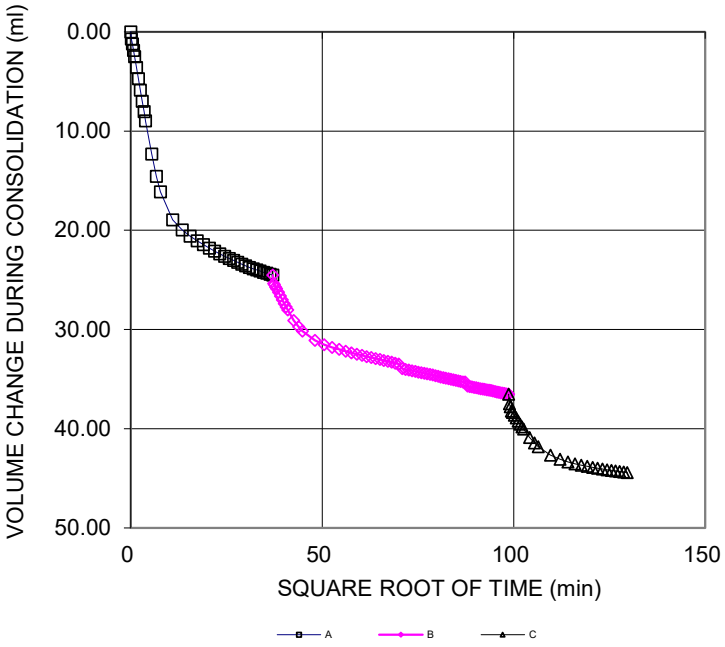
Golder Associates

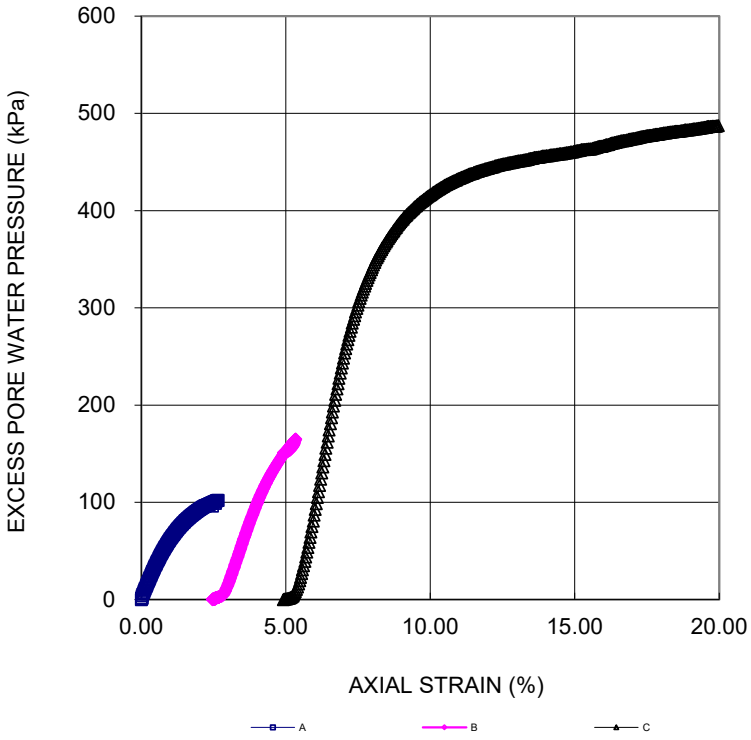
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

SRK21-OP-BH-02 SA 167785





Date: 5/13/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

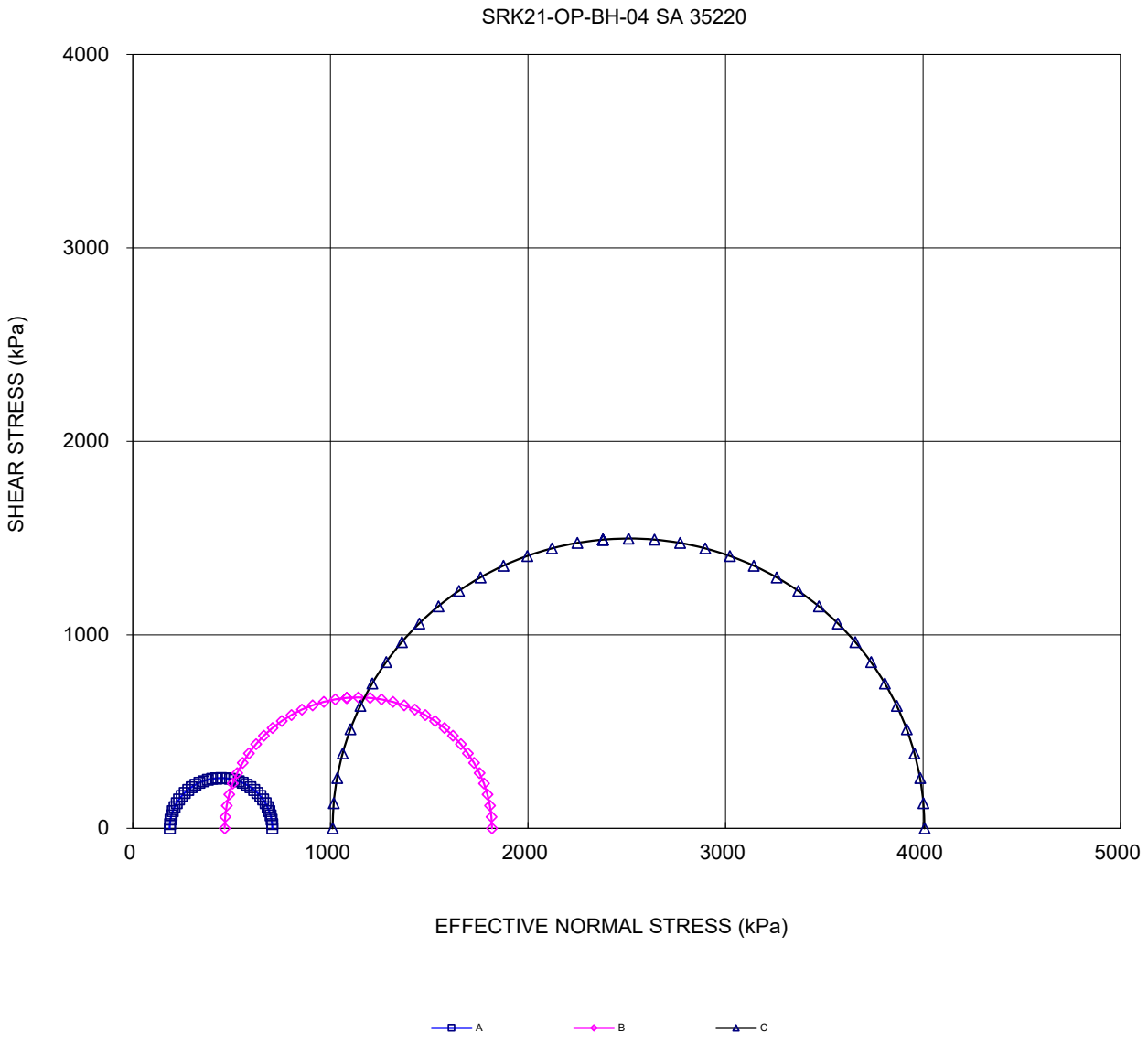
CONSOLIDATED UNDRAINED TRIAXIAL WITH PORE PRESSURE MEASUREMENTS ASTM D4767 SHEET 1 OF 4			FIGURE
TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-OP-BH-04		
SAMPLE	35220		
DEPTH, m	2.44-3.05		
SPECIMEN DIAMETER, cm	7.15	7.04	7.00
SPECIMEN HEIGHT, cm	13.49	12.86	12.35
NATURAL WATER CONTENT, %	23.4	-	-
DRY DENSITY, Mg/m^3	1.70	-	-
WATER CONTENT AFTER SATURATION, %	24.8	-	-
CELL PRESSURE, σ_3, kPa	310.0	560.0	1060.0
BACK PRESSURE, kPa	60.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.97	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	250.0	500.0	1000.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	4.6	1.6	1.7
WATER CONTENT AFTER CONSOLIDATION, %	22.1	21.2	20.3
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	7.6	14.7	25.5
WATER CONTENT AFTER TEST, %	-	-	21.1
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	519.5	1353.4	2996.4
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	3.8	7.4	12.8
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.8	3.9	4.0
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	519.5	1353.4	2985.1
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	3.8	7.4	12.2
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.12	0.03	0.00
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.12	0.03	0.00
FILTER DRAINS USED, y/n	y	y	y
TEST NOTES: Multistage Test. Effective consolidation stresses are assigned by the client.			
FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	75.0

Date: 5/16/2022 Prepared By: LH

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 5/16/2022
Project No. 21504835

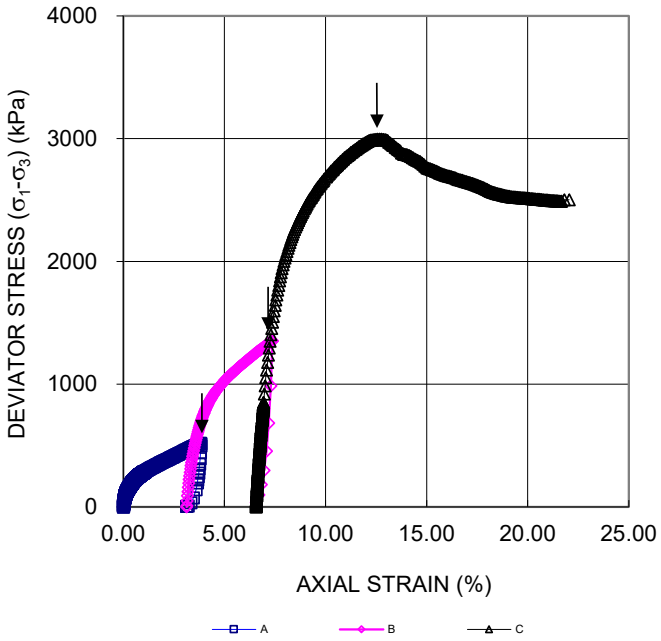
Golder Associates

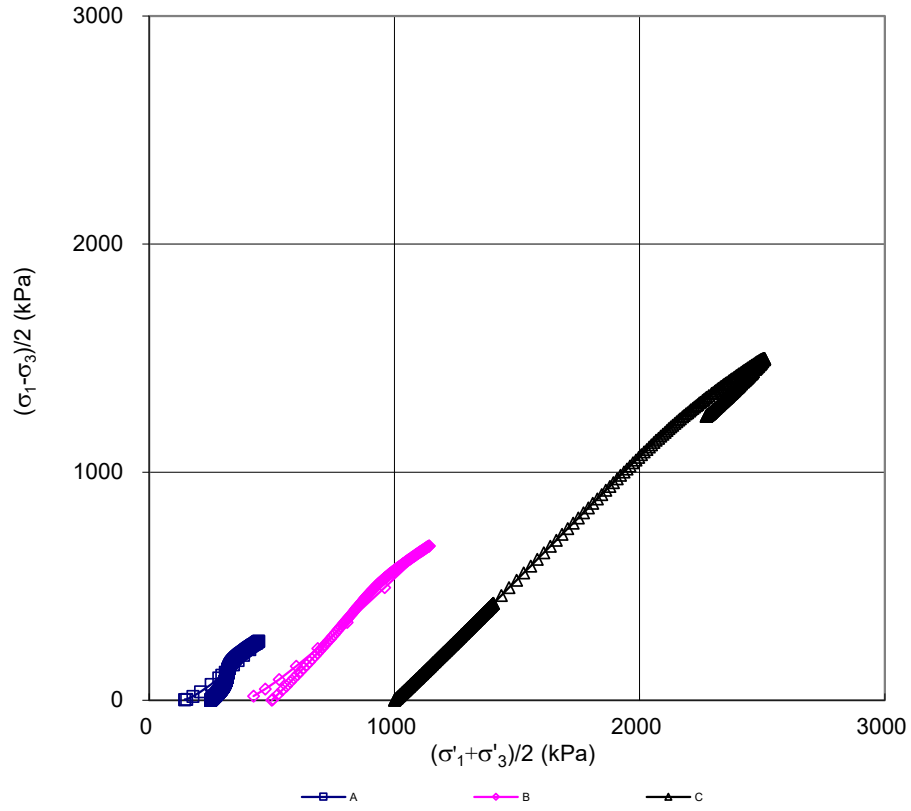
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-OP-BH-04 SA 35220





Date: 5/16/2022
Project No. 21504835

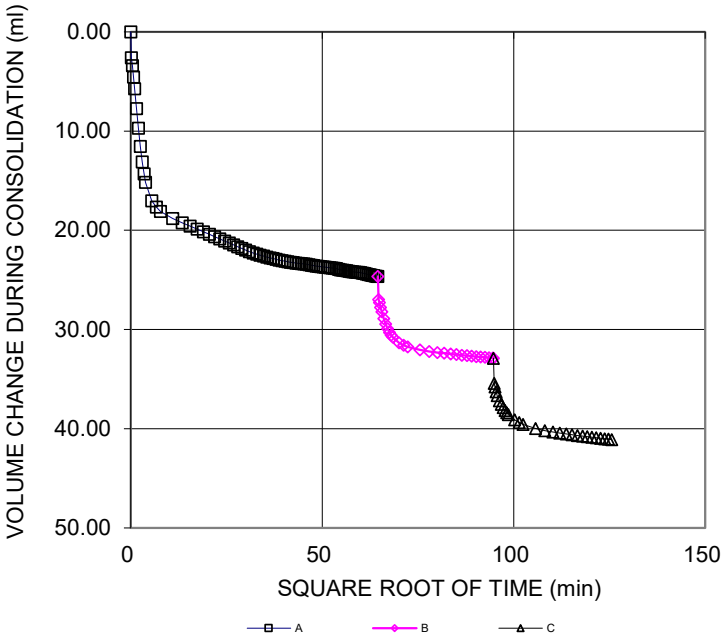
Golder Associates

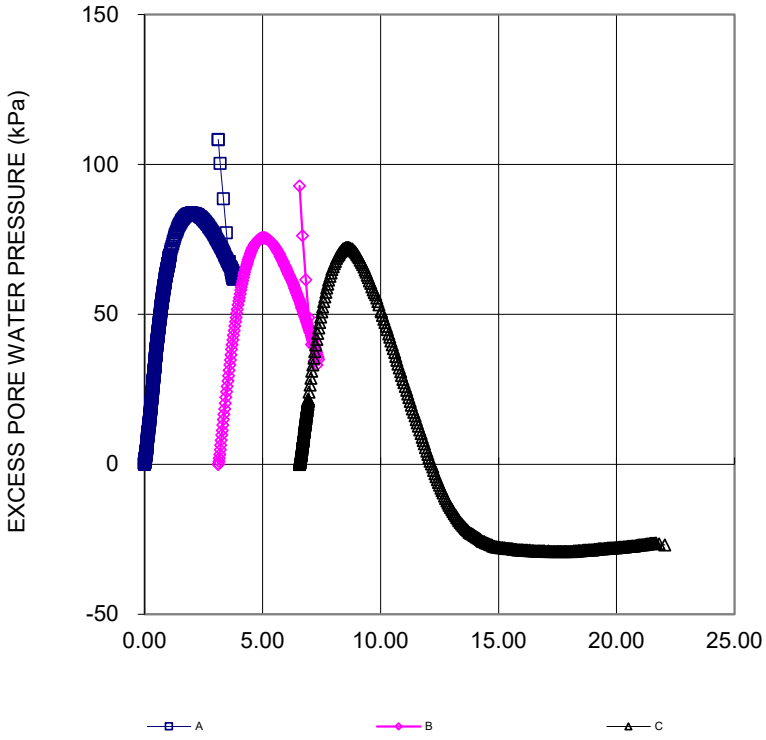
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

SRK21-OP-BH-04 SA 35220





Date: 5/16/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-OP-BH-09		
SAMPLE	36204		
DEPTH, m	18.0-18.6		
SPECIMEN DIAMETER, cm	6.83	6.80	6.73
SPECIMEN HEIGHT, cm	14.45	14.06	13.94
NATURAL WATER CONTENT, %	38.3	37.6	36.9
DRY DENSITY, Mg/m^3	1.38	1.37	1.39
WATER CONTENT AFTER SATURATION, %	37.2	36.1	36.6
CELL PRESSURE, σ_3, kPa	280.0	430.0	660.0
BACK PRESSURE, kPa	130.0	130.0	60.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	8.6	11.1	14.4
WATER CONTENT AFTER CONSOLIDATION, %	31.0	28.0	26.2
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	18.4	26.9	32.8
WATER CONTENT AFTER TEST, %	31.5	29.1	26.6
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	152.7	229.5	418.6
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	9.2	13.4	16.4
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.3	3.1	2.9
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	151.7	228.2	411.4
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	7.8	11.8	12.8
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.54	0.81	0.89
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.55	0.83	0.93
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 0-16cm from top of tube.
Specimen B taken 16-32cm from top of tube.
Specimen C taken 32-47cm from top of tube.

FAILURE PLANE NUMBER	1.0	1.0	1.0
ANGLE OF FAILURE PLANE, DEGREES	50.0	60.0	50.0

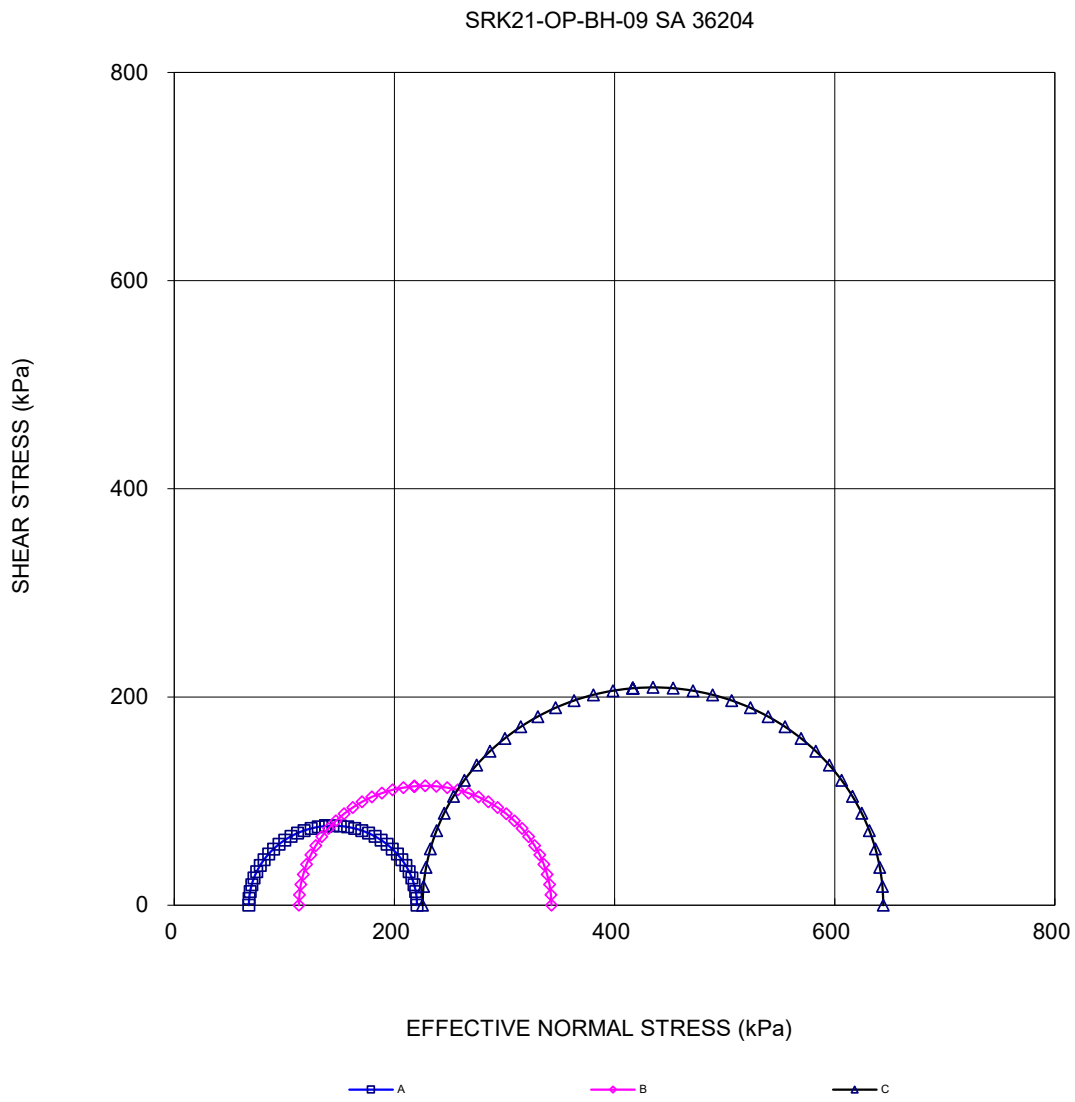
Date: 2/25/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 2/18/2022
Project No. 21504835

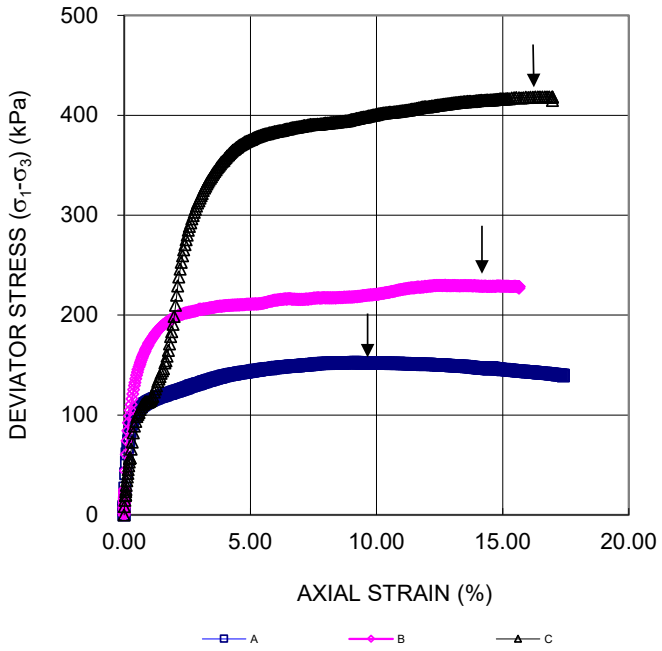
Golder Associates

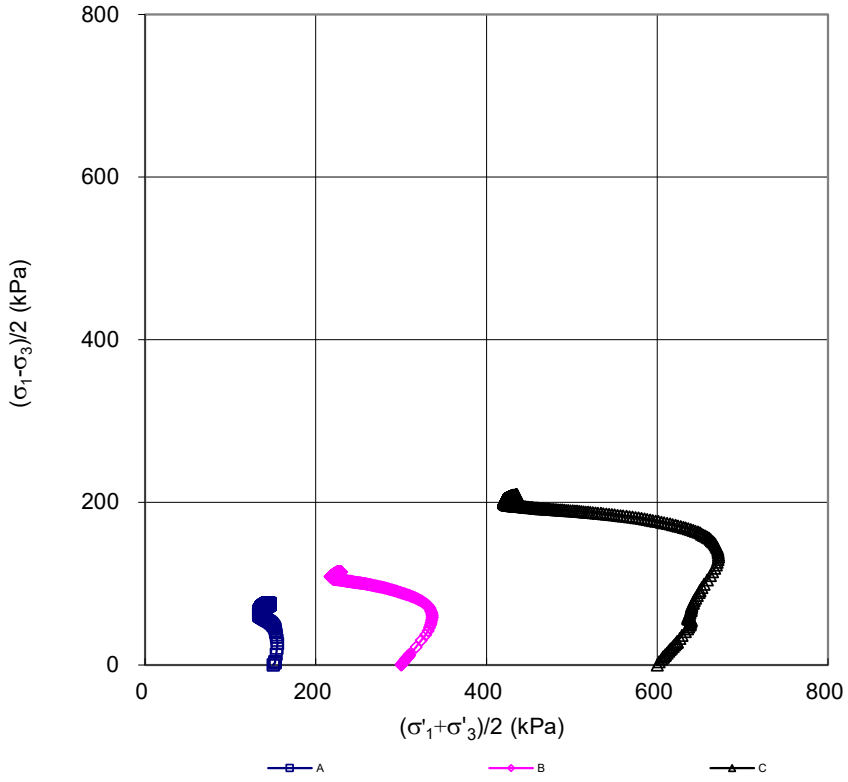
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-OP-BH-09 SA 36204





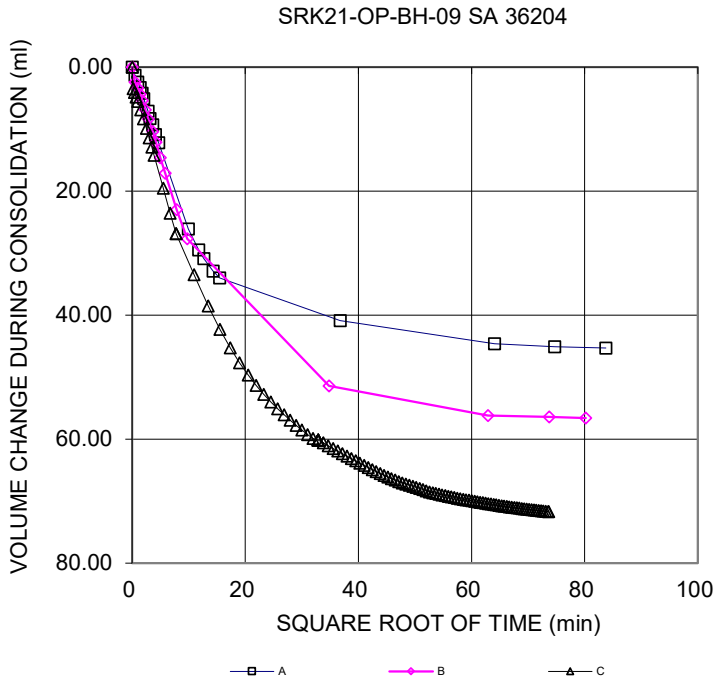
Date: 2/18/2022
Project No. 21504835

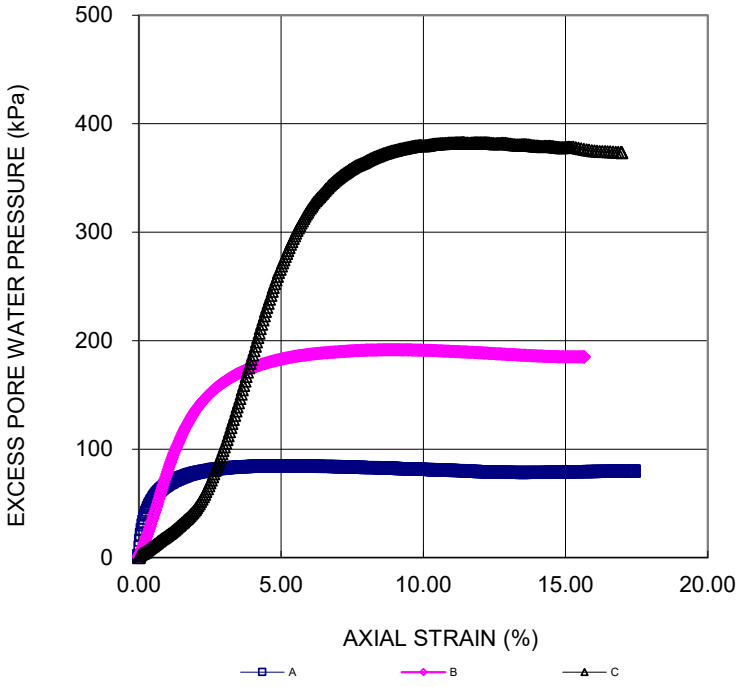
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 2/18/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-PF-BH02		
SAMPLE	58382		
DEPTH, m	11-11.4		
SPECIMEN DIAMETER, cm	5.05	5.05	5.05
SPECIMEN HEIGHT, cm	10.13	10.13	10.13
NATURAL WATER CONTENT, %	8.1	8.1	8.1
DRY DENSITY, Mg/m^3	1.604	1.607	1.601
WATER CONTENT AFTER SATURATION, %	26.0	25.9	25.5
CELL PRESSURE, σ_3, kPa	540.0	430.0	850.0
BACK PRESSURE, kPa	390.0	130.0	250.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	1.2	1.4	2.2
WATER CONTENT AFTER CONSOLIDATION, %	25.2	25.1	24.1
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	6.7	6.9	9.3
WATER CONTENT AFTER TEST, %	24.7	21.1	21.8
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	394.7	720.9	857.9
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	3.4	3.5	4.7
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.3	3.5	3.5
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	375.7	710.9	838.5
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.1	5.0	7.7
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	-0.06	0.02	0.30
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	-0.03	0.03	0.32
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimens compacted to a target dry density of 1.609g/cm3 at about 8% water content. Achieved 100%compaction respectively.

FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

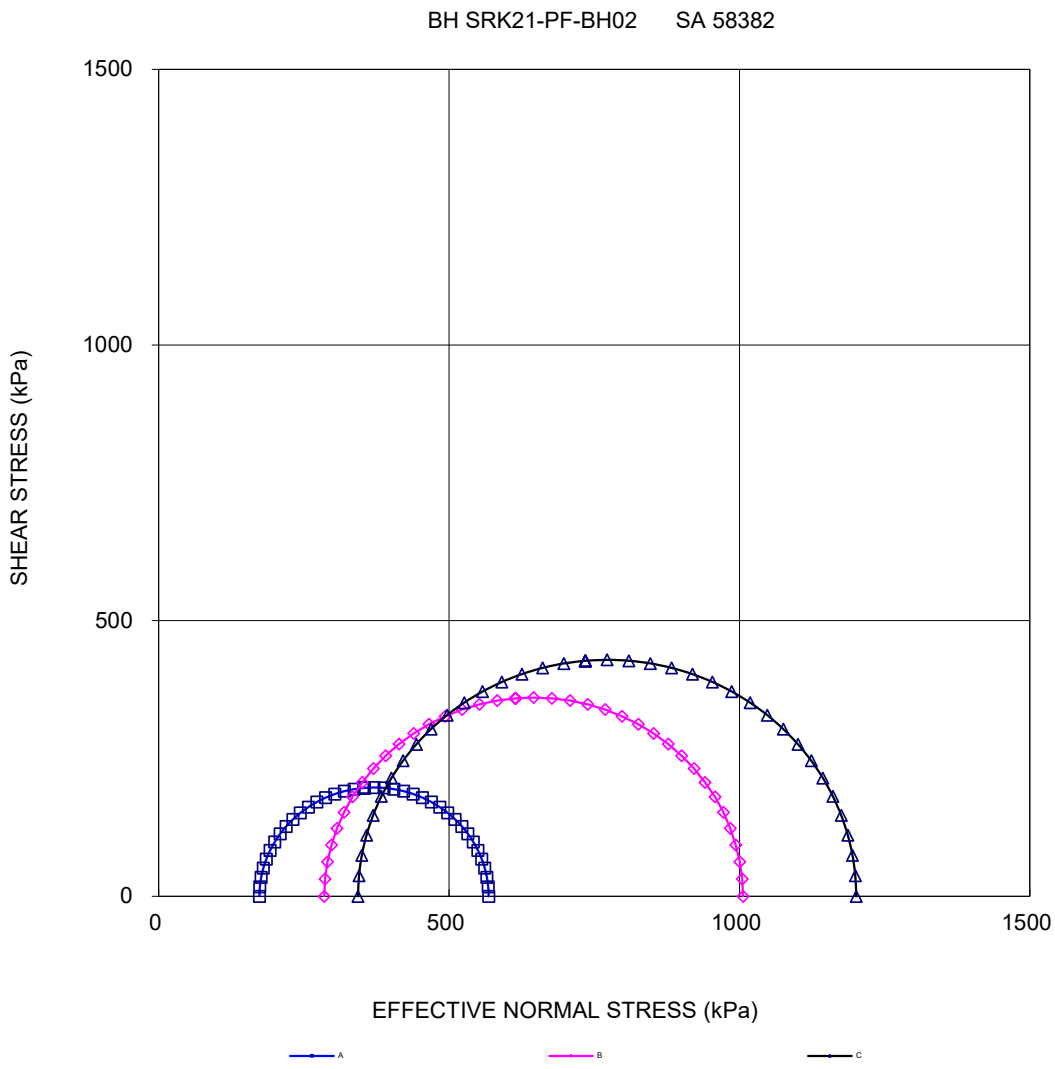
Date: 12/12/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 12/12/2022
Project No. 21504835

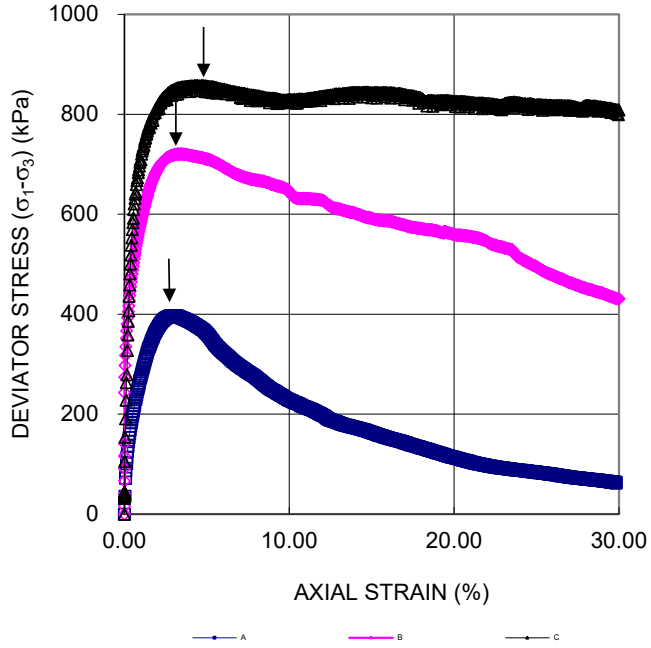
Golder Associates

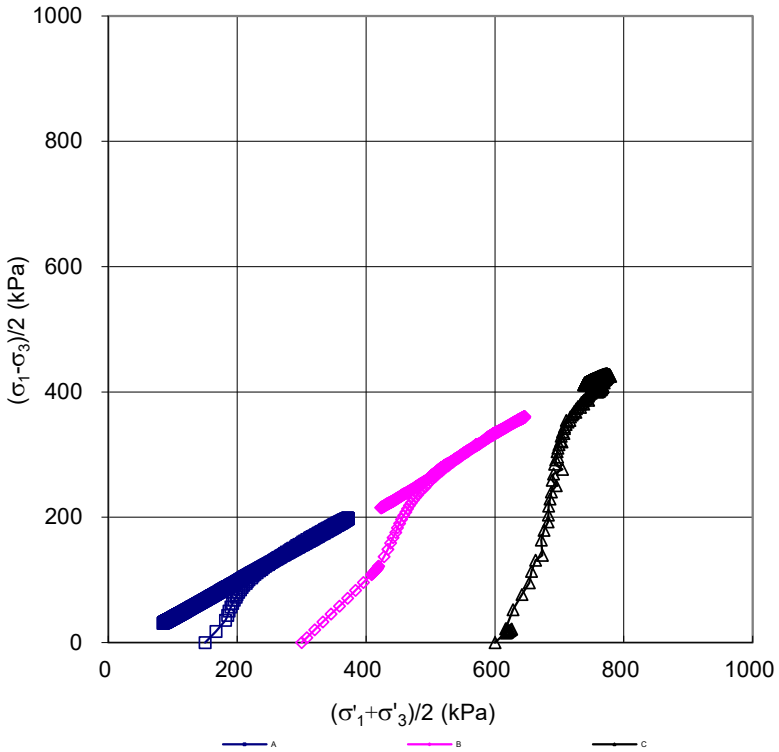
Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

BH SRK21-PF-BH02 SA 58382





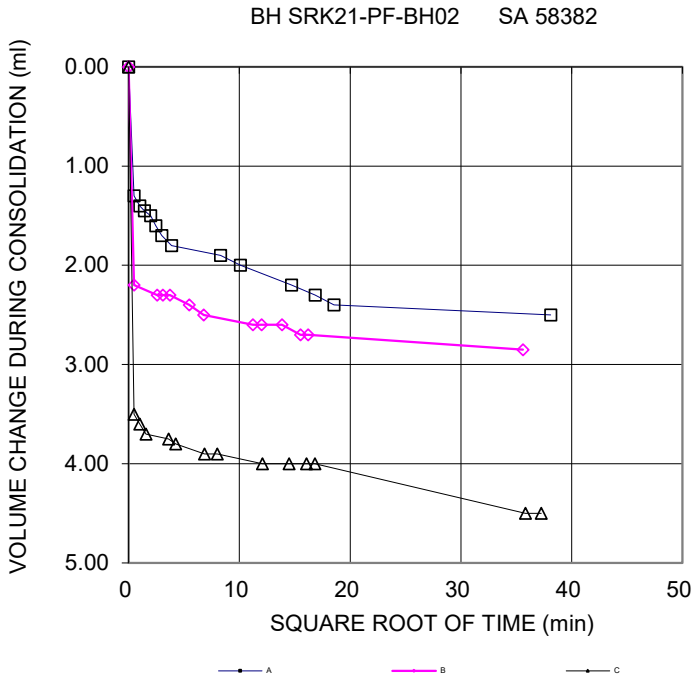
Date: 12/12/2022
Project No. 21504835

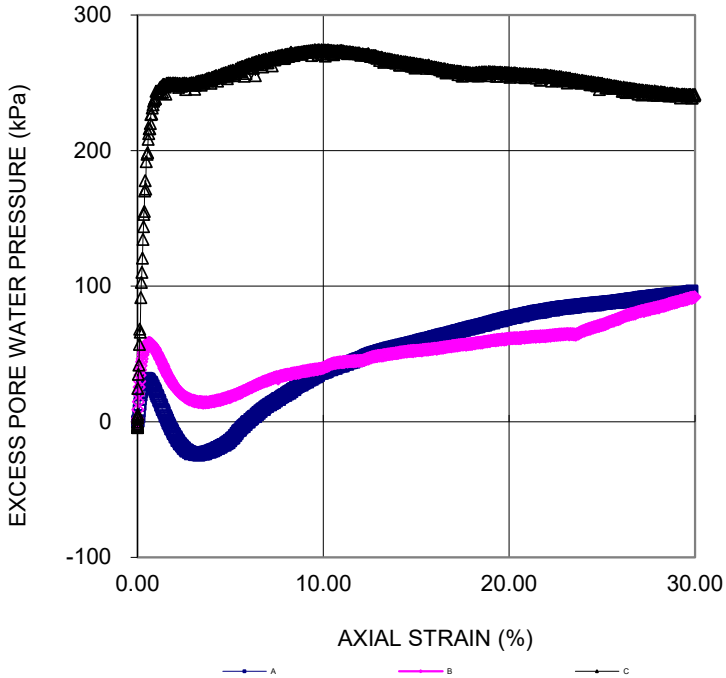
Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 12/12/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-PF-BH04		
SAMPLE	167843		
DEPTH, m	16.15-16.46		
SPECIMEN DIAMETER, cm	5.05	5.05	5.05
SPECIMEN HEIGHT, cm	10.13	10.13	10.13
NATURAL WATER CONTENT, %	7.0	7.0	7.0
DRY DENSITY, Mg/m^3	1.577	1.576	1.574
WATER CONTENT AFTER SATURATION, %	26.8	34.9	34.6
CELL PRESSURE, σ_3, kPa	610.0	880.0	1000.0
BACK PRESSURE, kPa	410.0	480.0	200.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	400.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	1.2	1.8	2.5
WATER CONTENT AFTER CONSOLIDATION, %	26.0	33.8	33.0
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	16.3	20.4	28.3
WATER CONTENT AFTER TEST, %	20.8	22.2	22.9
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	1107.0	1313.3	1693.0
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	8.1	10.2	14.1
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.9	3.6	3.6
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	662.9	1206.7	1636.4
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	2.7	5.5	9.8
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	-0.20	-0.09	0.08
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	-0.05	-0.06	0.10
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimens compacted in 8 layers to a target dry density of 1.594g/cm3 at about 7% water content. Achieved 99% compaction respectively.
Photos at the end of test were not possile, specimens were too wet(didn't hold the shape).

FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

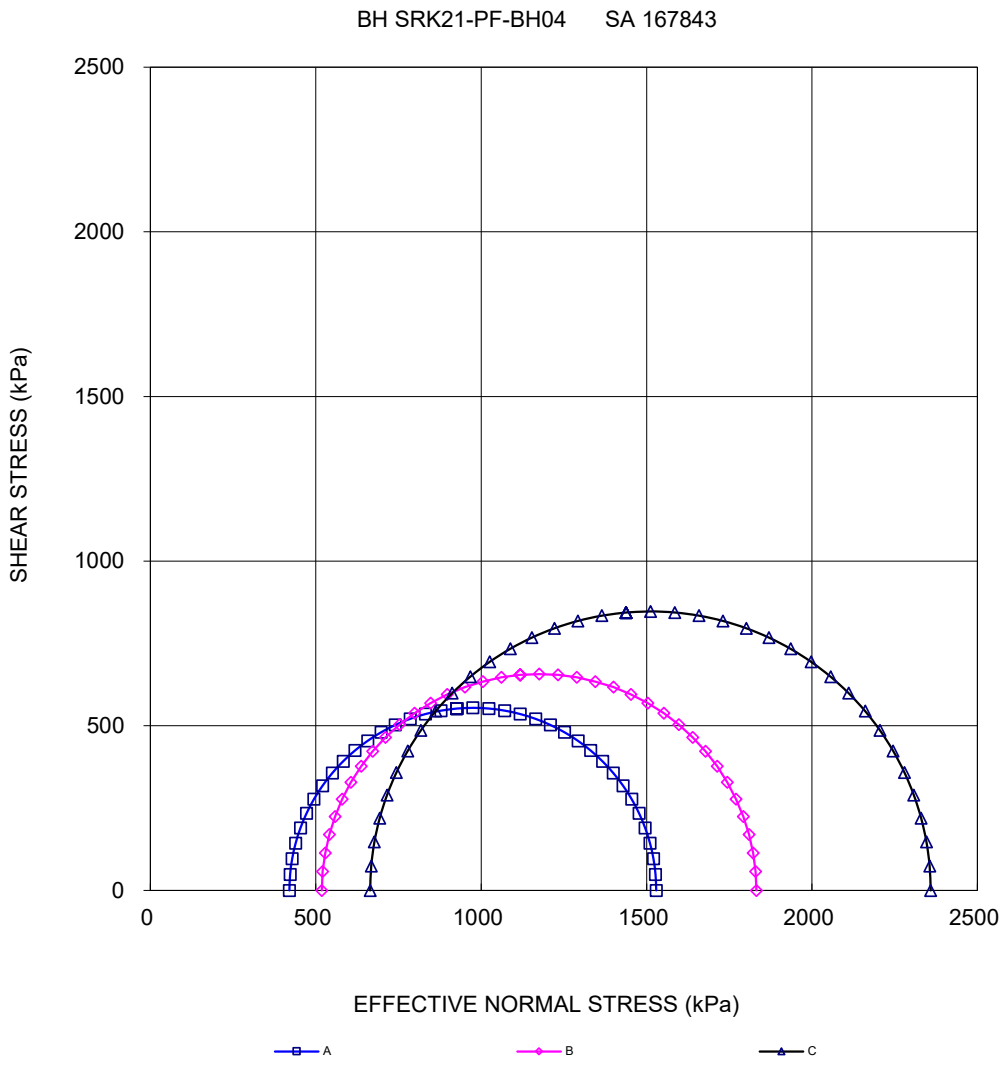
Date: 11/28/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 11/28/2022
Project No. 21504835

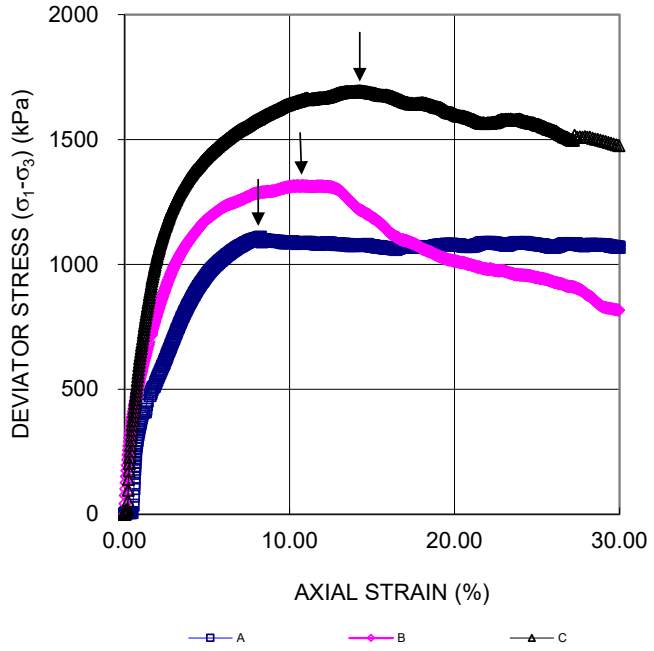
Golder Associates

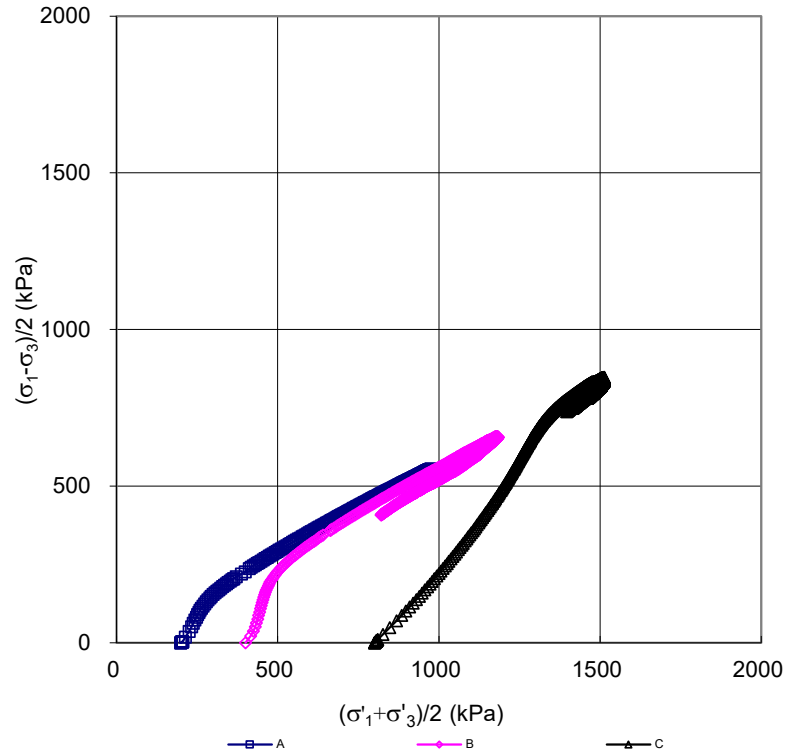
Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

BH SRK21-PF-BH04 SA 167843





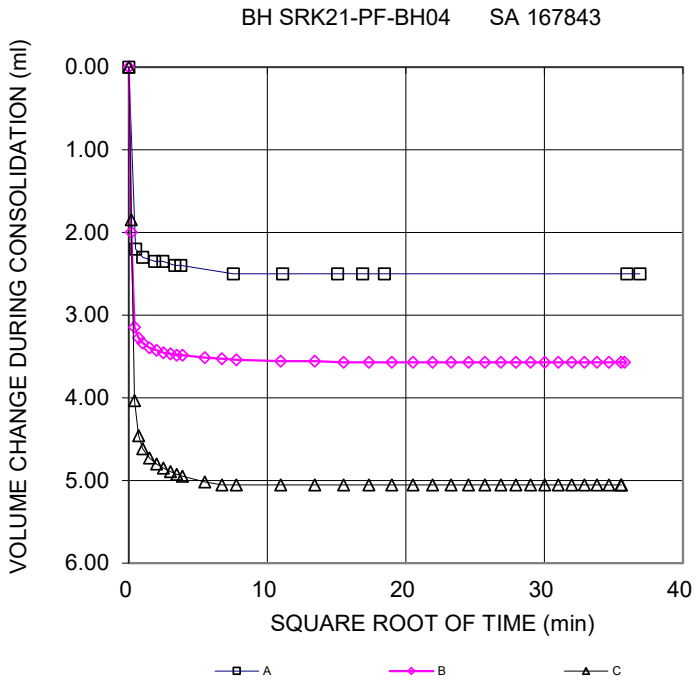
Date: 11/28/2022
Project No. 21504835

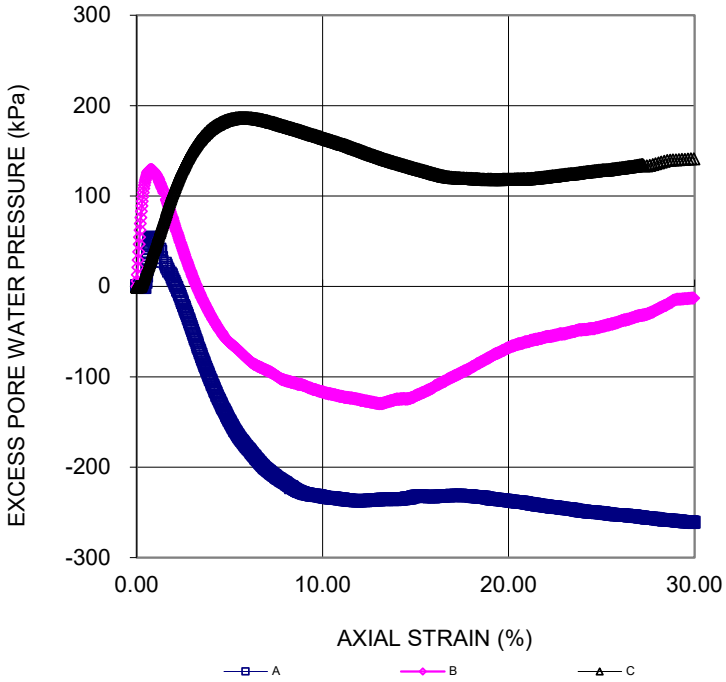
Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 11/28/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-TSF-BH19		
SAMPLE	-		
DEPTH, m	7.62-8.23		
SPECIMEN DIAMETER, cm	6.75	6.81	6.84
SPECIMEN HEIGHT, cm	13.94	14.05	14.00
NATURAL WATER CONTENT, %	23.6	23.6	22.7
DRY DENSITY, Mg/m^3	1.66	1.68	1.69
WATER CONTENT AFTER SATURATION, %	23.7	23.7	23.2
CELL PRESSURE, σ_3, kPa	330.0	630.0	930.0
BACK PRESSURE, kPa	130.0	130.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	0.99	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	200.0	500.0	800.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	4.4	6.6	9.1
WATER CONTENT AFTER CONSOLIDATION, %	21.0	19.8	17.8
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	29.9	22.6	20.0
WATER CONTENT AFTER TEST, %	20.8	19.7	17.9
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	184.8	291.9	450.7
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	15.0	11.3	10.0
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.9	3.1	3.0
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	170.8	288.0	448.3
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	6.6	9.7	8.9
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.56	1.24	1.28
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.65	1.26	1.29
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 36-52 cm from bottom of tube.
Specimen B taken 20-36 cm from bottom of tube.
Specimen C Caken 4-20 cm from bottom of tube.

FAILURE PLANE NUMBER	1.0	-	-
ANGLE OF FAILURE PLANE, DEGREES	50.0	Bulged	Bulged

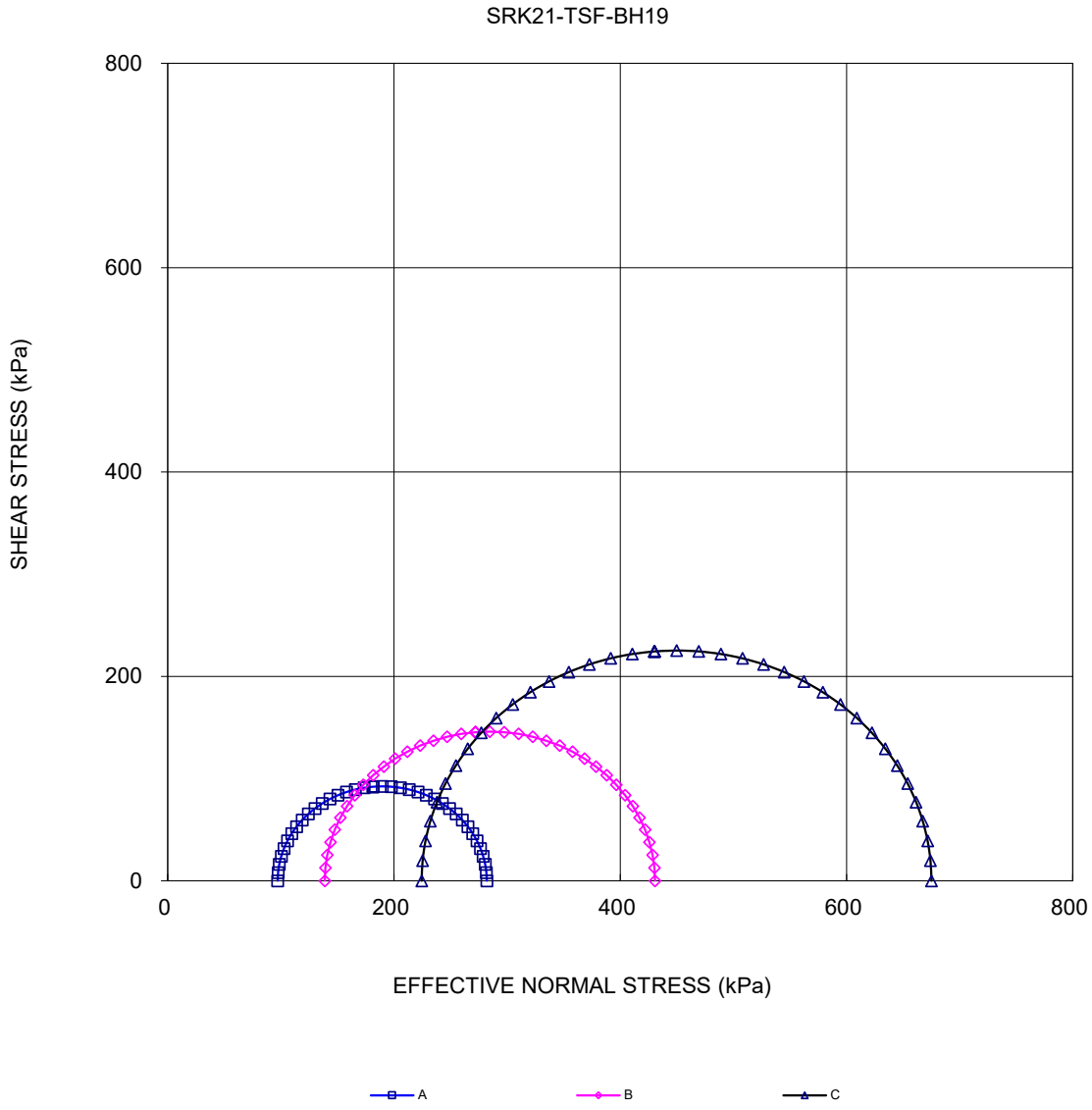
Date: 5/30/2022
Project No. 21473972

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 5/30/2022
Project No. 21473972

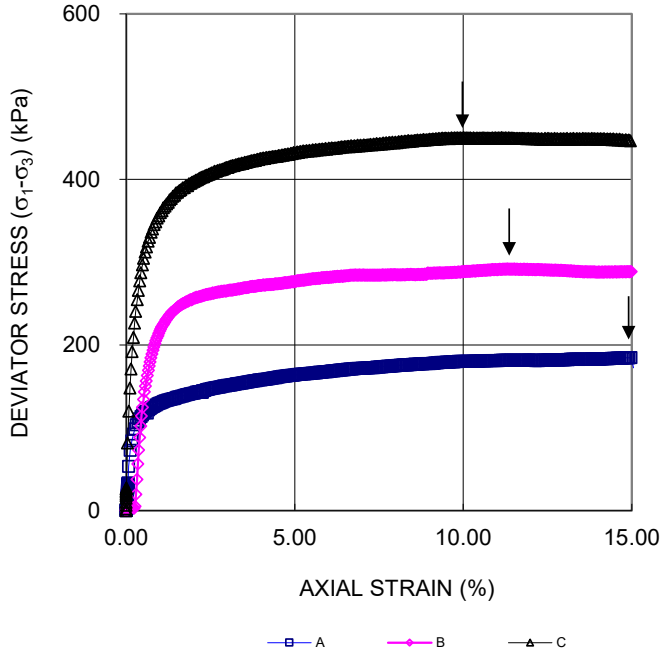
Golder Associates

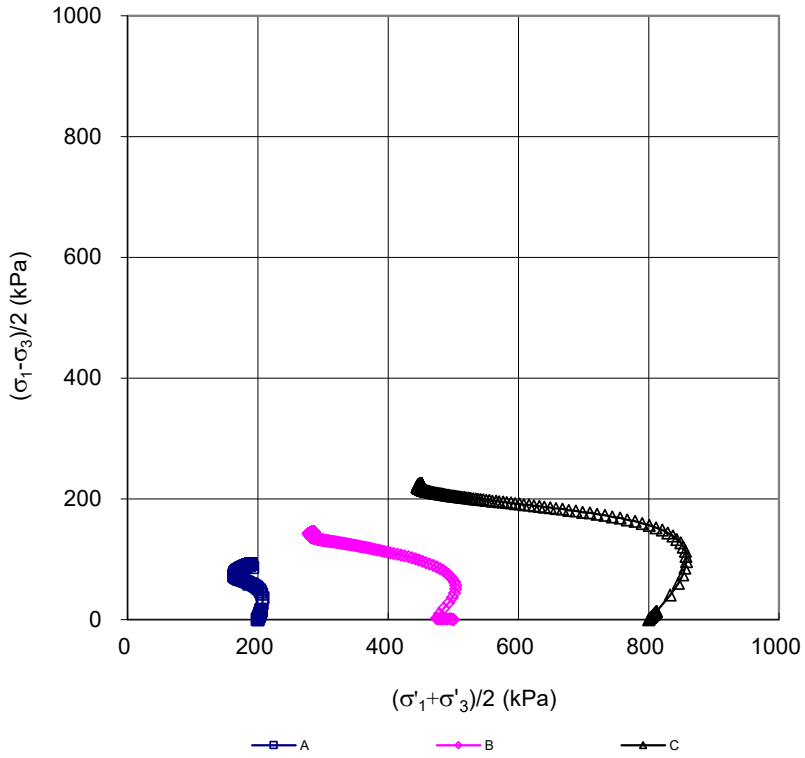
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-TSF-BH19





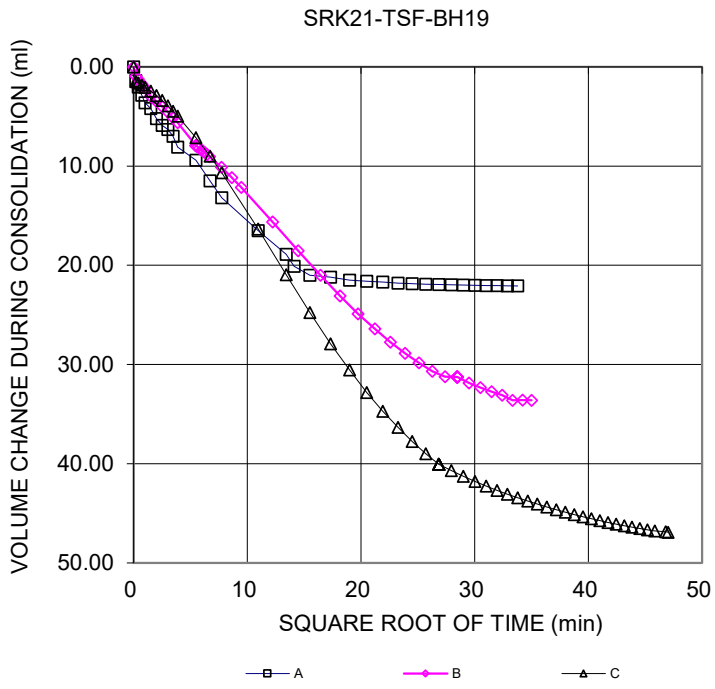
Date: 5/30/2022
Project No. 21473972

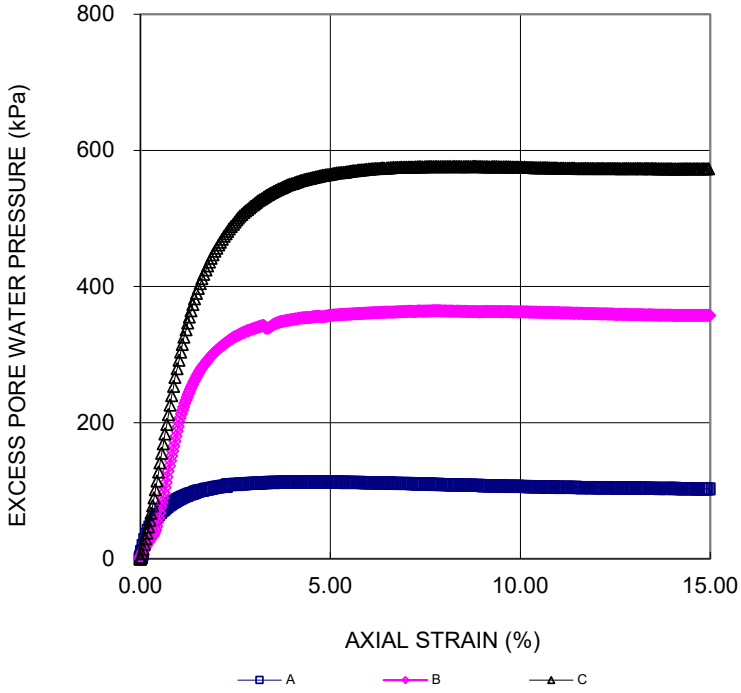
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 5/30/2022
Project No. 21473972

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK21-WOS-BH-01		
SAMPLE	167390		
DEPTH, m	5.18-5.79		
SPECIMEN DIAMETER, cm	5.00	4.89	4.84
SPECIMEN HEIGHT, cm	9.99	9.76	9.49
NATURAL WATER CONTENT, %	24.5	-	-
DRY DENSITY, Mg/m^3	1.67	-	-
WATER CONTENT AFTER SATURATION, %	25.7	-	-
CELL PRESSURE, σ_3, kPa	420.0	570.0	870.0
BACK PRESSURE, kPa	270.0	270.0	270.0
PORE PRESSURE PARAMETER "B"	0.97	-	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	6.6	2.9	3.1
WATER CONTENT AFTER CONSOLIDATION, %	21.8	20.1	18.4
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	3.2	6.8	24.5
WATER CONTENT AFTER TEST, %	-	-	16.6
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	106.2	217.6	463.4
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	1.6	3.4	12.3
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.5	2.5	2.8
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	106.2	217.6	455.9
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	1.6	3.4	10.1
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.72	0.73	0.75
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.72	0.73	0.77
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES: Multistage Test.
Effective consolidation stresses are assigned by the client.

FAILURE PLANE NUMBER	-	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	-	-	60.0

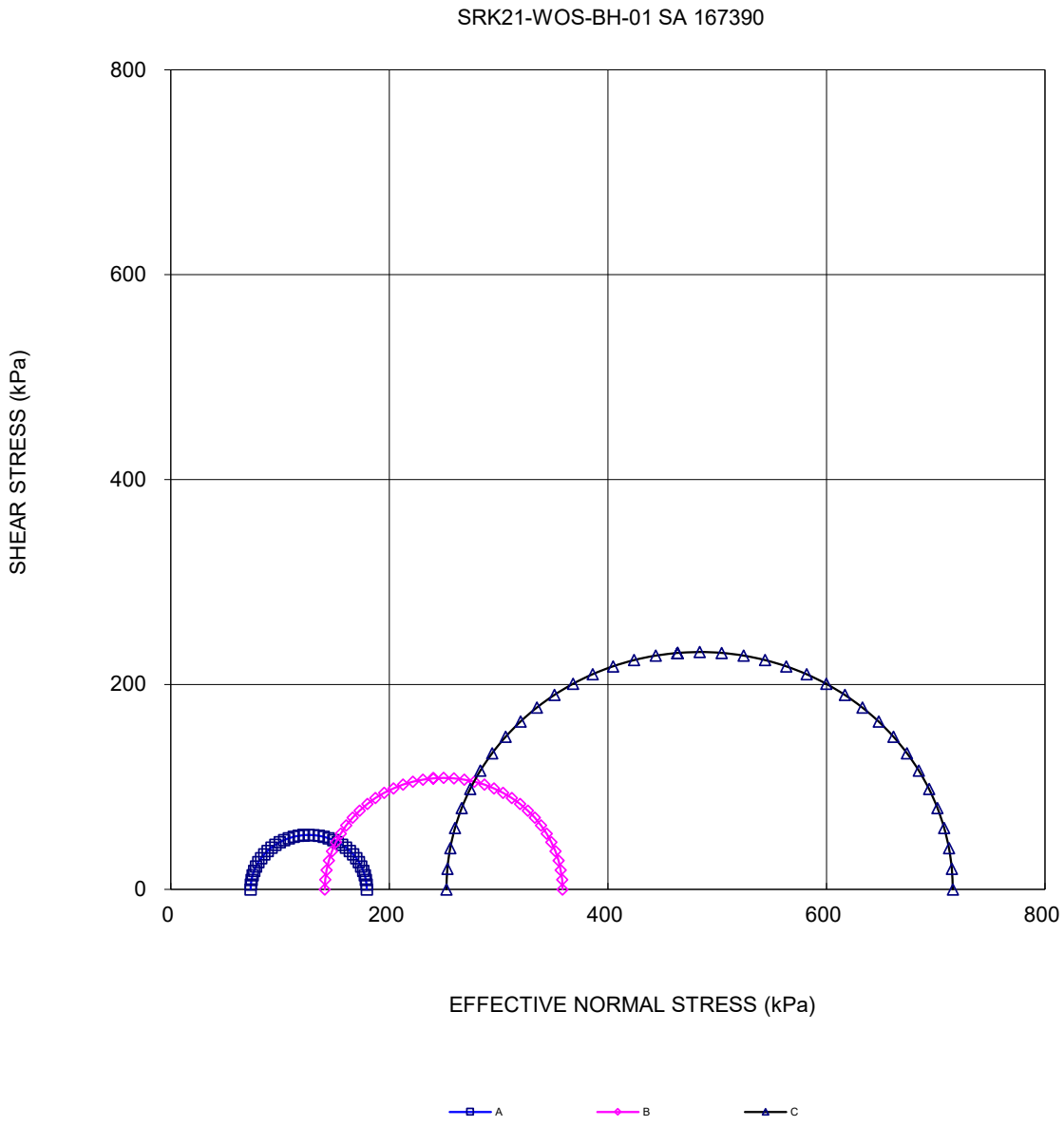
Date: 5/17/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 5/17/2022
Project No. 21504835

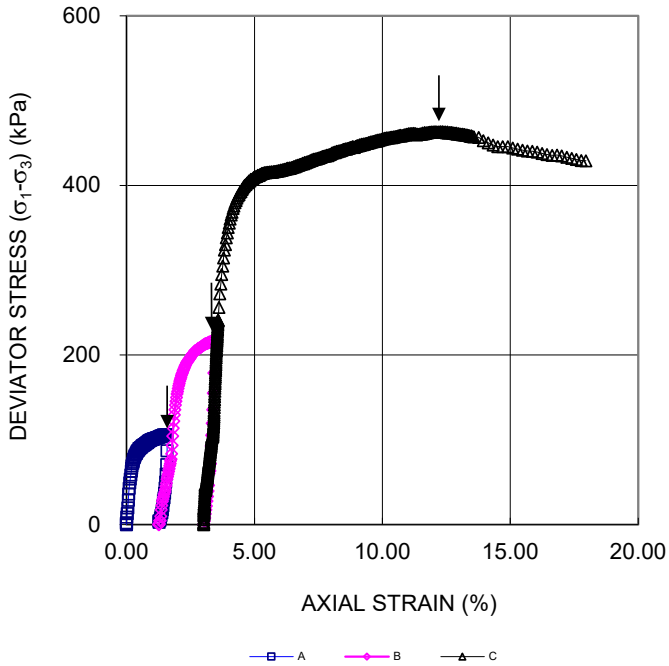
Golder Associates

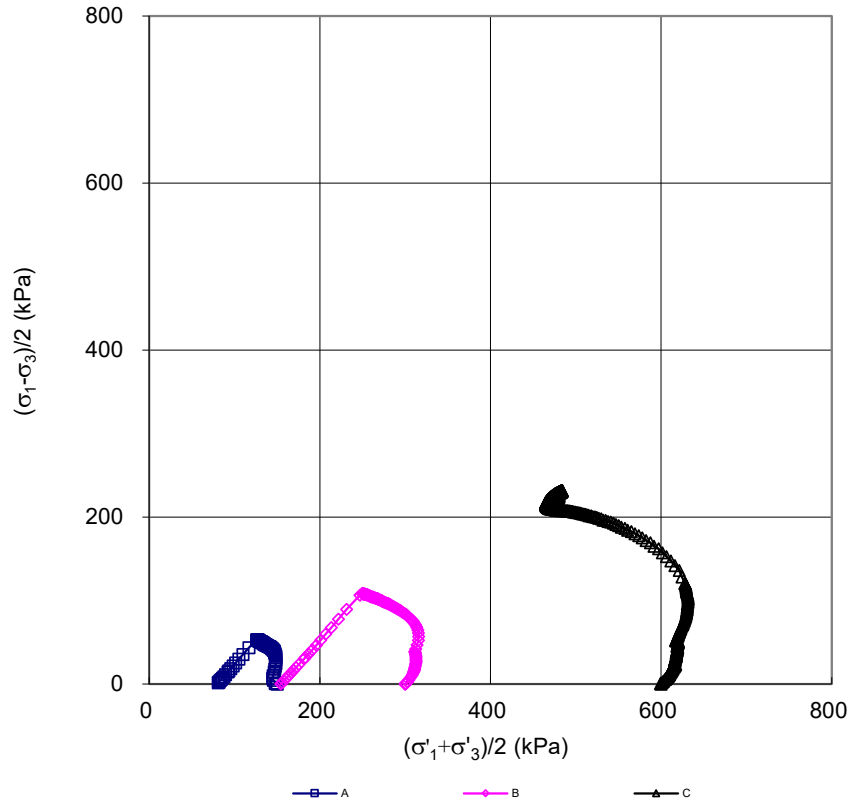
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK21-WOS-BH-01 SA 167390





Date: 5/17/2022
Project No. 21504835

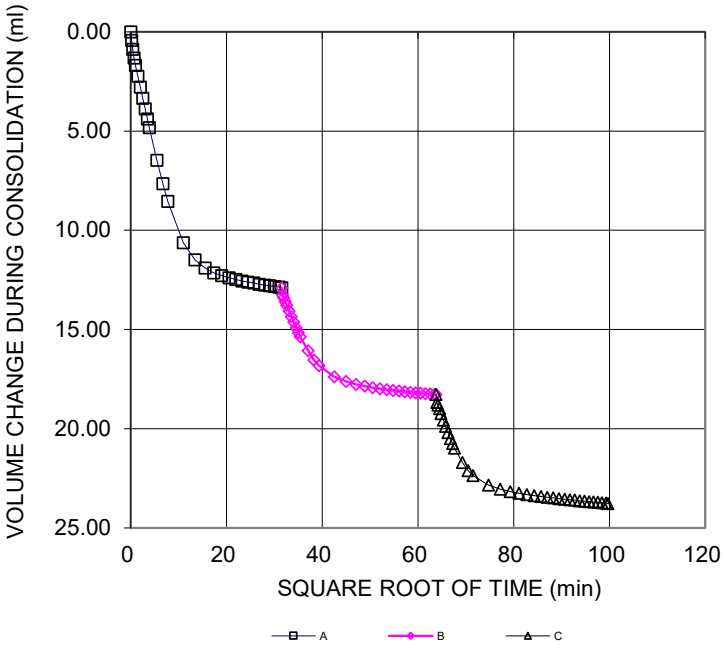
Golder Associates

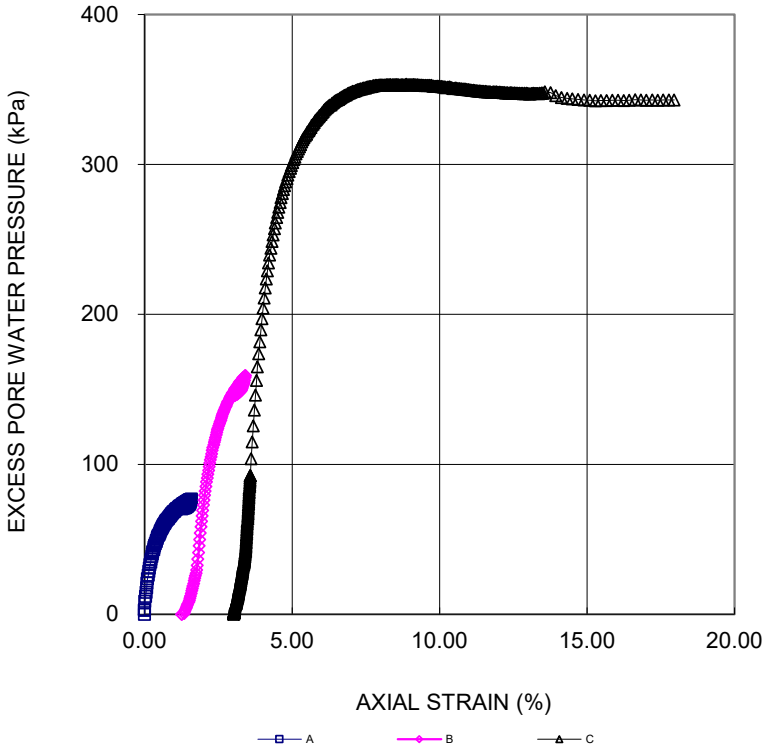
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE

SRK21-WOS-BH-01 SA 167390





Date: 5/17/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK22-LG-BH-05		
SAMPLE	167274		
DEPTH, m	11.28-11.89		
SPECIMEN DIAMETER, cm	7.05	7.04	7.02
SPECIMEN HEIGHT, cm	13.91	14.07	14.15
NATURAL WATER CONTENT, %	48.3	40.8	45.0
DRY DENSITY, Mg/m^3	1.19	1.31	1.23
WATER CONTENT AFTER SATURATION, %	48.1	40.7	44.2
CELL PRESSURE, σ_3, kPa	280.0	430.0	800.0
BACK PRESSURE, kPa	130.0	130.0	200.0
PORE PRESSURE PARAMETER "B"	0.99	0.99	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	8.8	12.4	16.2
WATER CONTENT AFTER CONSOLIDATION, %	40.7	31.2	31.0
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	5.9	7.1	11.0
WATER CONTENT AFTER TEST, %	39.4	30.4	31.0
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	80.4	158.5	288.9
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	2.9	3.6	5.5
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.8	3.3	3.1
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	67.5	151.7	264.1
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	12.8	15.5	20.2
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	1.10	1.25	1.44
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	1.65	1.53	1.79
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 4-19cm from top of tube.
Specimen B taken 19-34cm from top of tube.
Specimen C taken 34-48cm from top of tube.

FAILURE PLANE NUMBER	1.0	1.0	1.0
ANGLE OF FAILURE PLANE, DEGREES	60.0	60.0	50.0

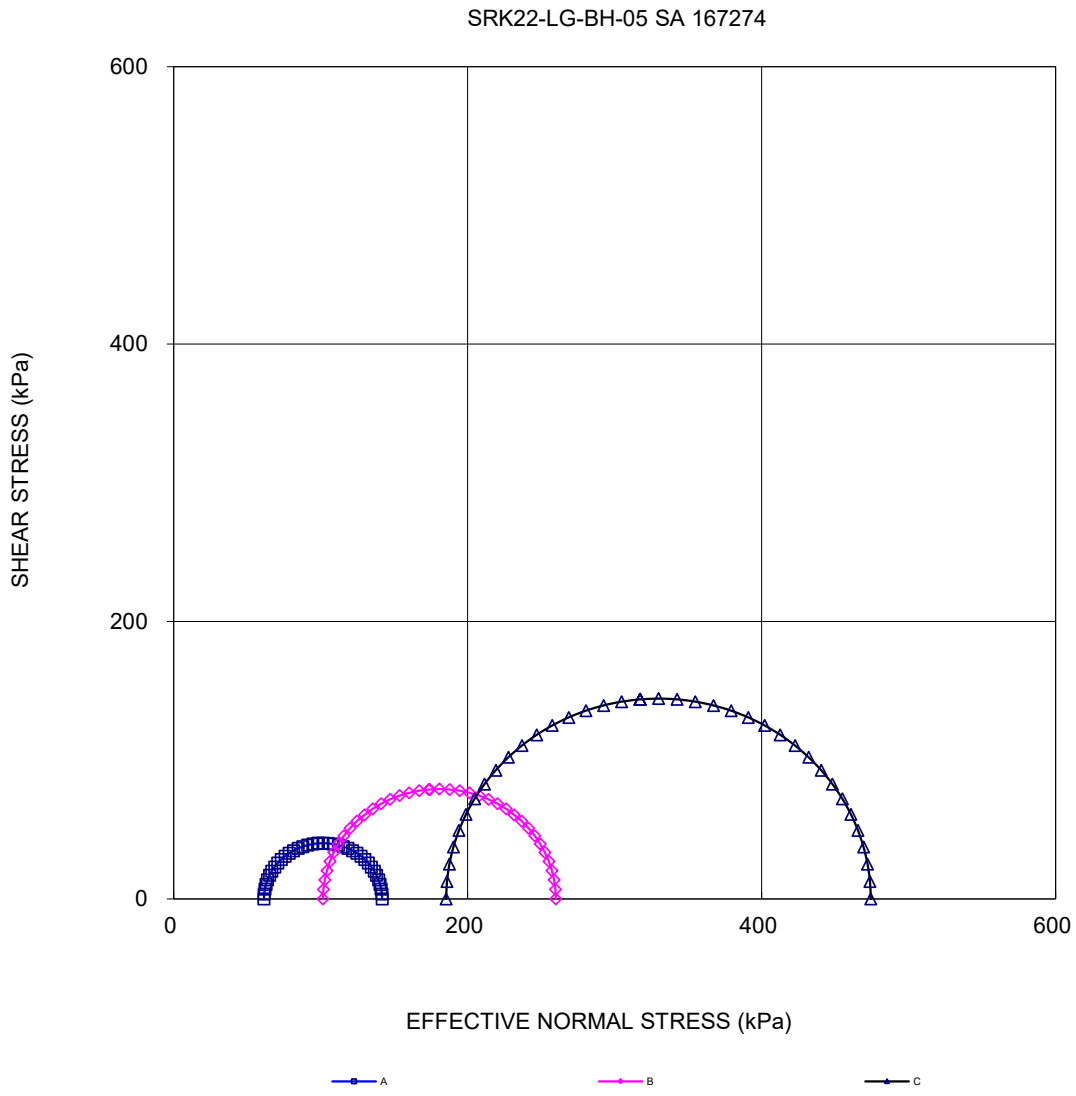
Date: 7/22/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 7/22/2022
Project No. 21504835

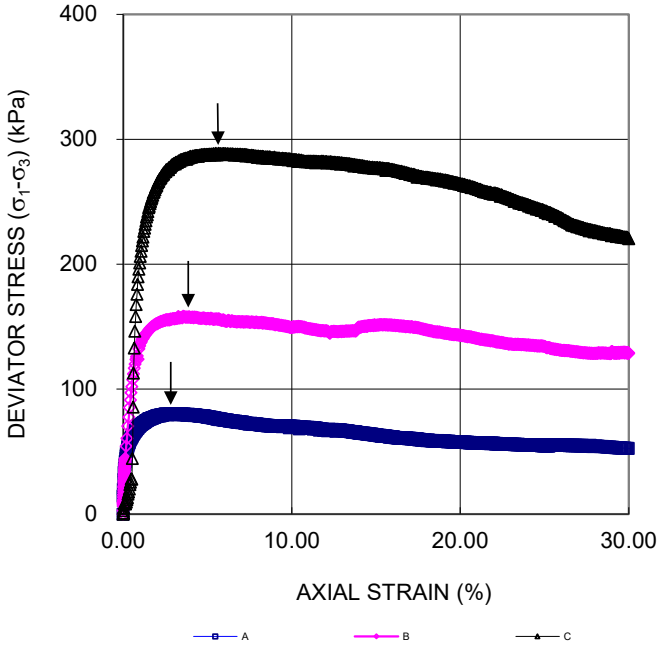
Golder Associates

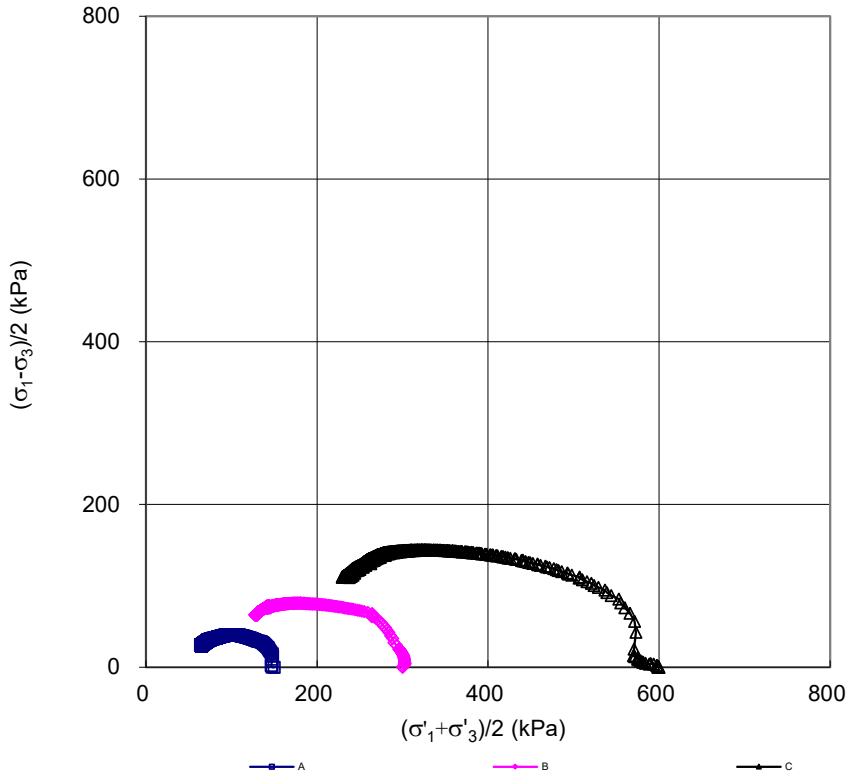
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK22-LG-BH-05 SA 167274





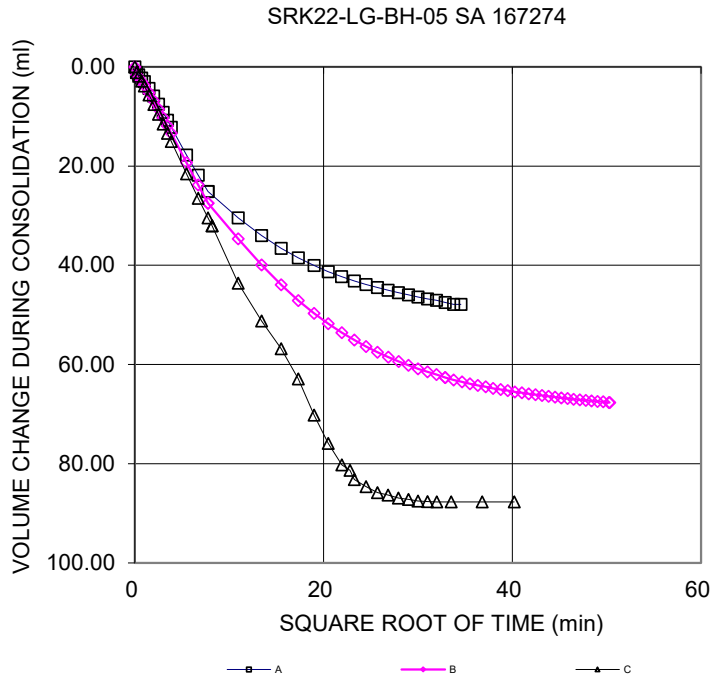
Date: 7/22/2022
Project No. 21504835

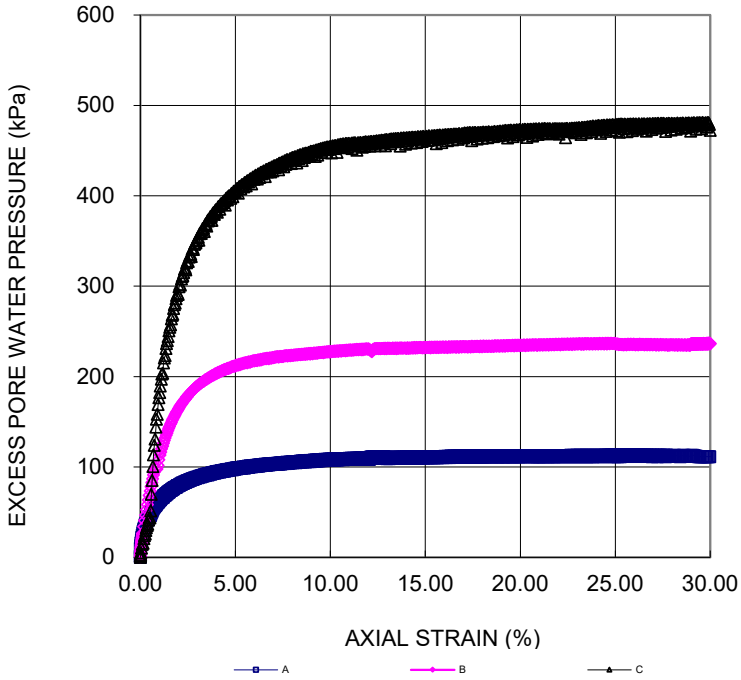
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 7/22/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK22-OP-BH-06		
SAMPLE	167628		
DEPTH, m	6.40-7.01		
SPECIMEN DIAMETER, cm	6.91	6.95	6.99
SPECIMEN HEIGHT, cm	14.09	14.05	14.08
NATURAL WATER CONTENT, %	20.3	20.6	20.2
DRY DENSITY, Mg/m^3	1.76	1.75	1.77
WATER CONTENT AFTER SATURATION, %	21.2	21.1	21.4
CELL PRESSURE, σ_3, kPa	350.0	500.0	800.0
BACK PRESSURE, kPa	200.0	200.0	200.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	5.6	5.7	9.1
WATER CONTENT AFTER CONSOLIDATION, %	18.0	17.9	16.3
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	41.3	19.8	29.8
WATER CONTENT AFTER TEST, %	17.4	17.3	15.6
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	224.1	343.0	589.5
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	20.7	9.9	14.9
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.2	3.2	3.2
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	182.0	326.1	558.0
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	6.8	6.8	8.4
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.17	0.42	0.55
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.37	0.47	0.63
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 26.5-41.5cm from top of tube.
Specimen B taken 41.5-56.5cm from top of tube.
Specimen C taken 11.5-26.5cm from top of tube.

FAILURE PLANE NUMBER	-	1.0	1.0
ANGLE OF FAILURE PLANE, DEGREES	Bulged	60.0	60.0

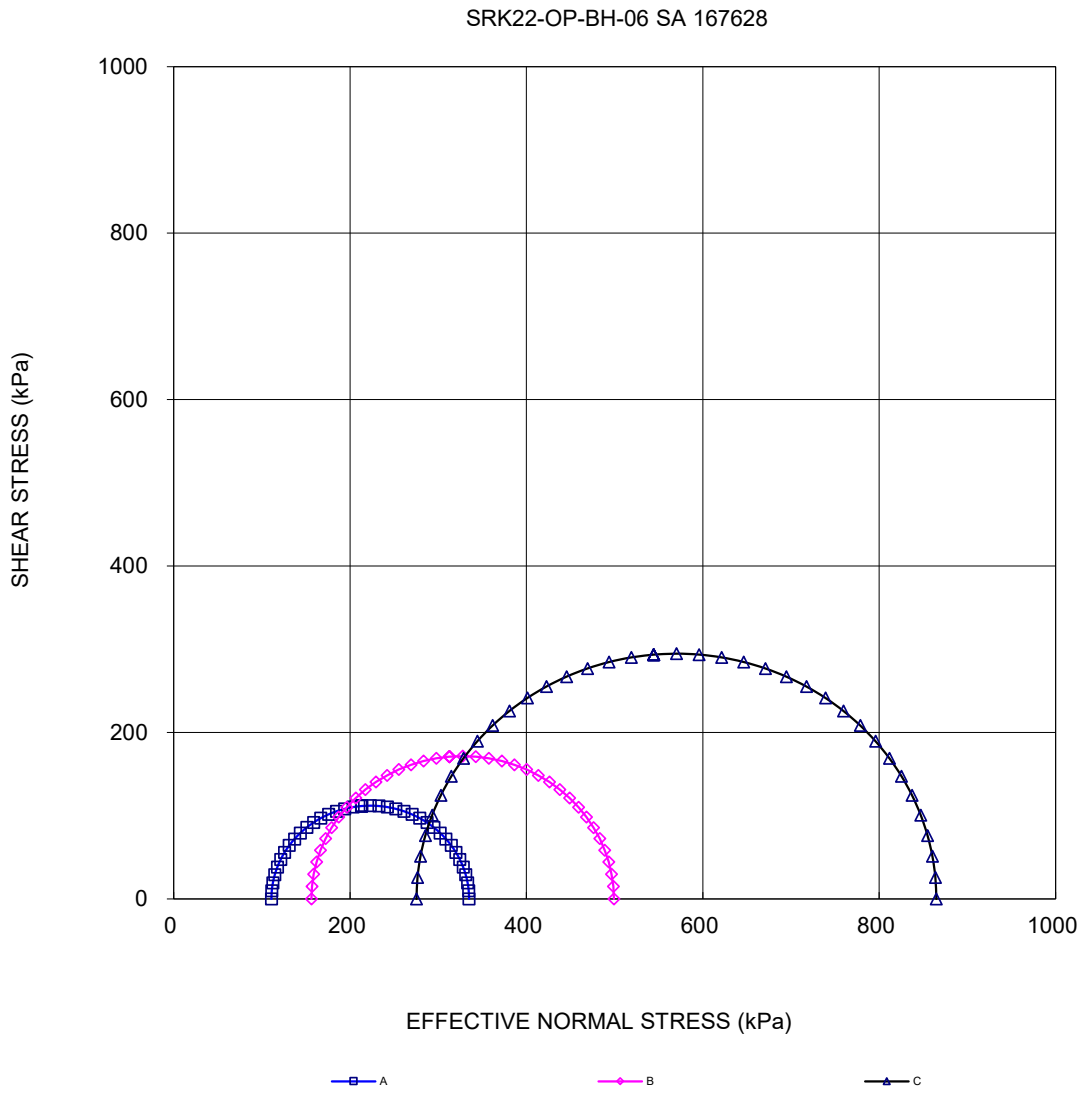
Date: 2/25/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 2/18/2022
Project No. 21504835

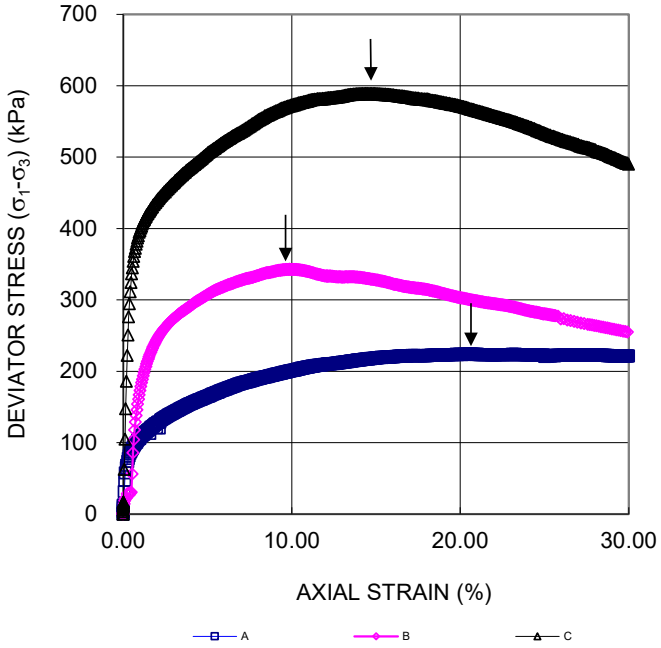
Golder Associates

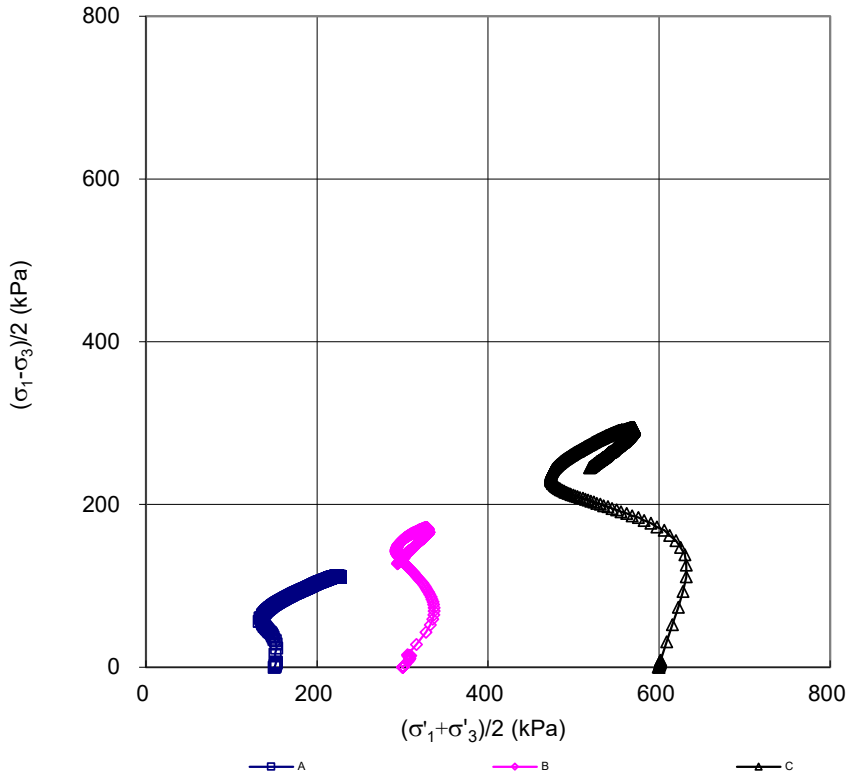
Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

SRK22-OP-BH-06 SA 167628





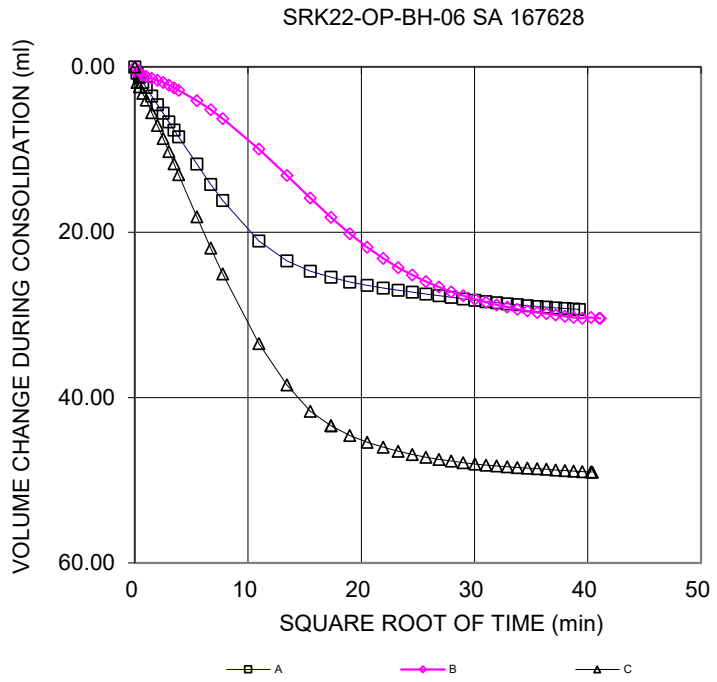
Date: 2/18/2022
Project No. 21504835

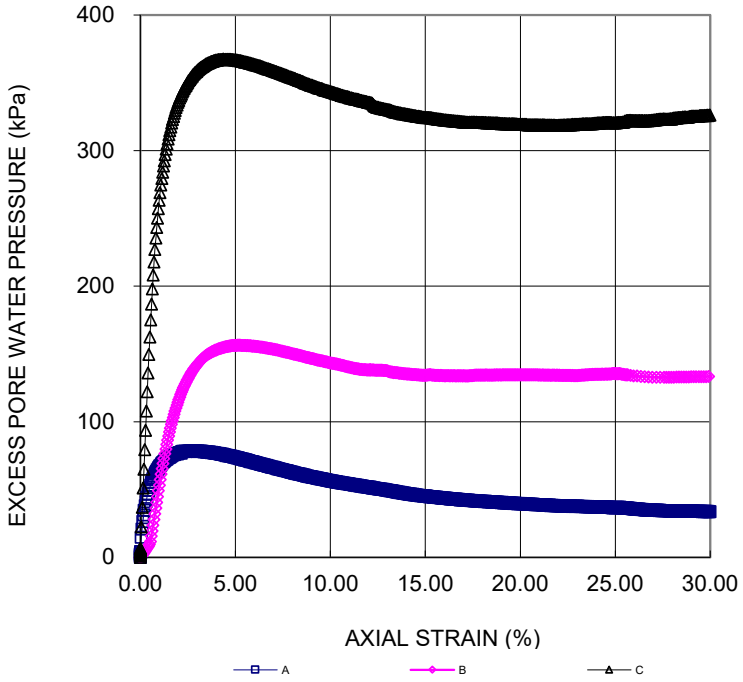
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 2/18/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK22-PF-BH-03		
SAMPLE	167294		
DEPTH, m	17.68-18.29		
SPECIMEN DIAMETER, cm	7.06	7.06	7.01
SPECIMEN HEIGHT, cm	13.89	13.69	13.87
NATURAL WATER CONTENT, %	34.7	36.6	34.5
DRY DENSITY, Mg/m^3	1.39	1.37	1.38
WATER CONTENT AFTER SATURATION, %	34.8	36.8	33.9
CELL PRESSURE, σ_3, kPa	380.0	560.0	1060.0
BACK PRESSURE, kPa	130.0	60.0	60.0
PORE PRESSURE PARAMETER "B"	0.97	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	250.0	500.0	1000.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	7.2	10.3	12.7
WATER CONTENT AFTER CONSOLIDATION, %	29.7	29.3	24.7
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	26.5	7.7	43.5
WATER CONTENT AFTER TEST, %	28.7	28.5	24.5
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	183.6	294.0	520.2
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	13.3	3.9	21.7
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.1	2.8	2.9
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	178.2	287.3	471.2
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	10.1	11.5	11.2
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.88	0.82	1.38
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.93	1.17	1.59
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimen A taken 0-15cm from top of tube.
Specimen B taken 15-30cm from top of tube.
Specimen C taken 38-52.5cm from top of tube.

FAILURE PLANE NUMBER	1.0	1.0	-
ANGLE OF FAILURE PLANE, DEGREES	65.0	55.0	Bulged

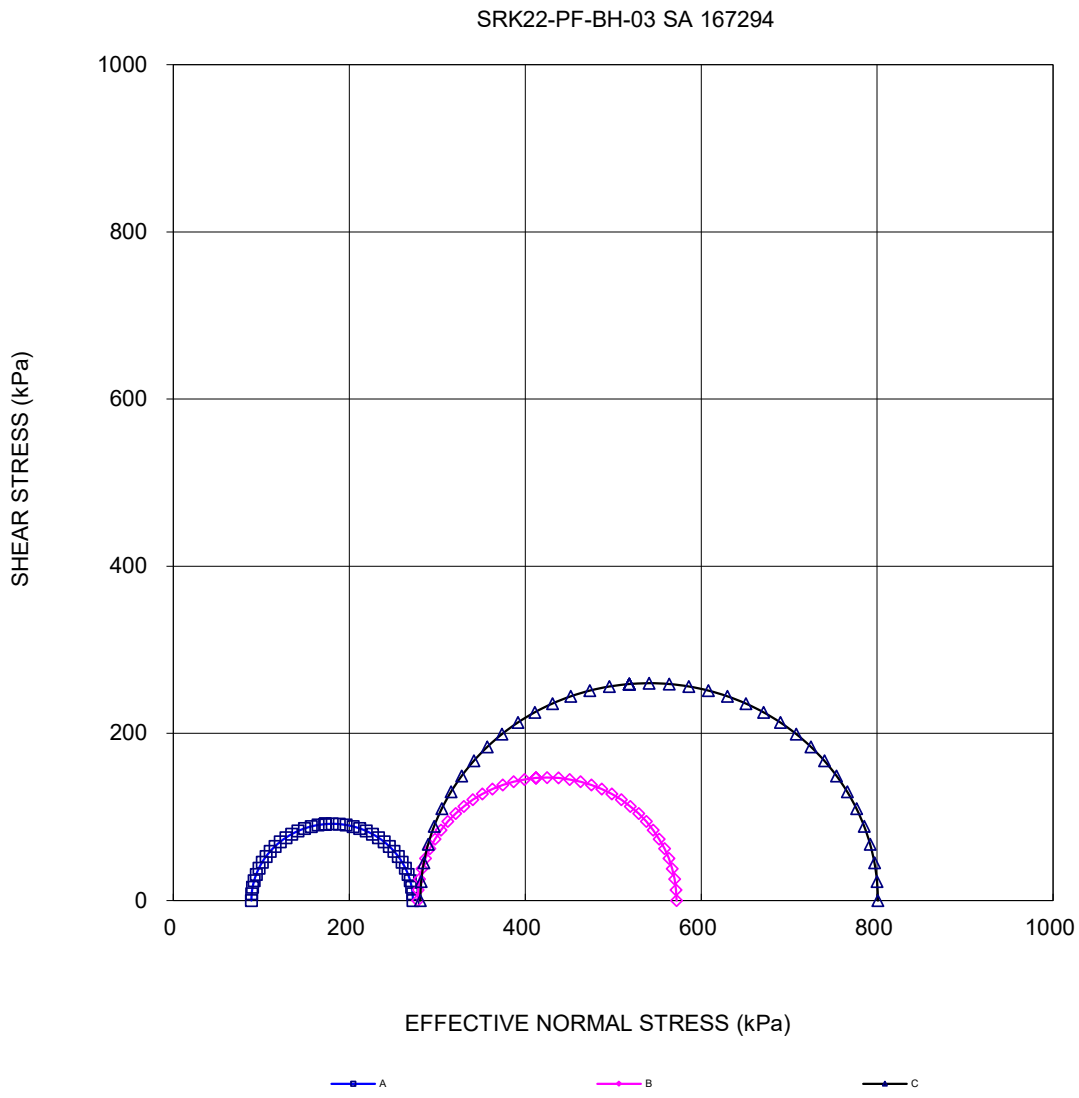
Date: 8/21/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



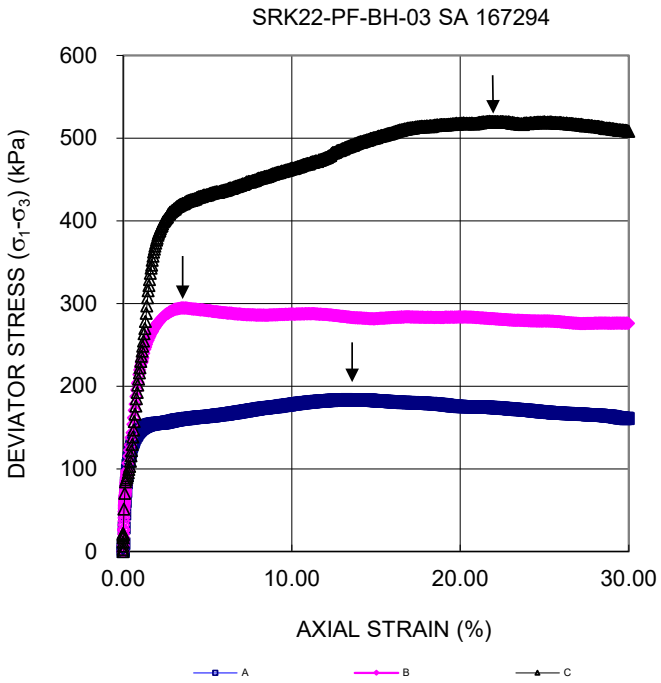
Date: 8/21/2022
Project No. 21504835

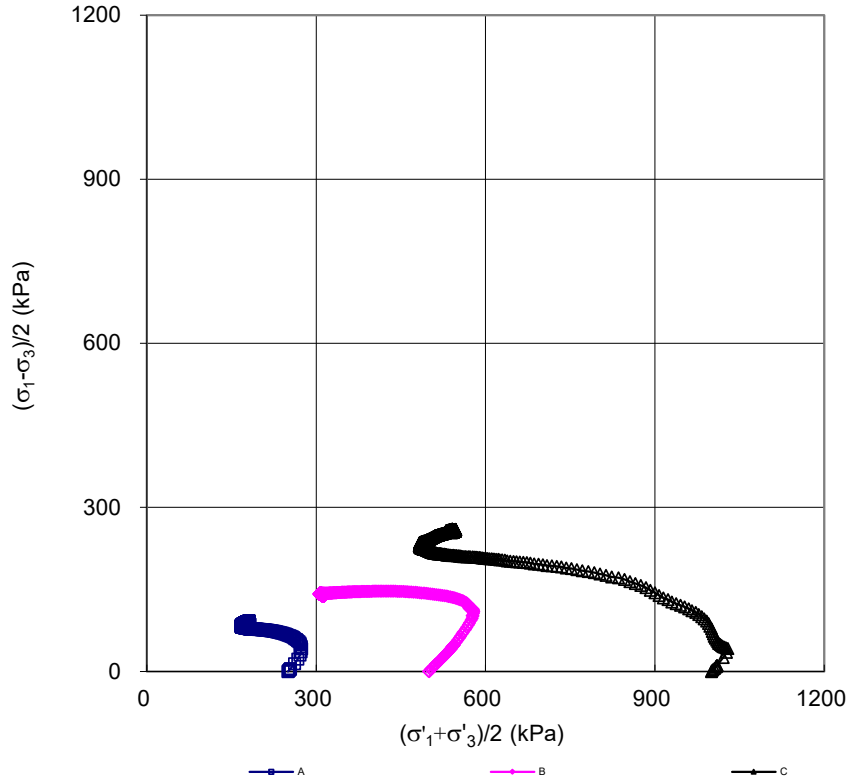
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE





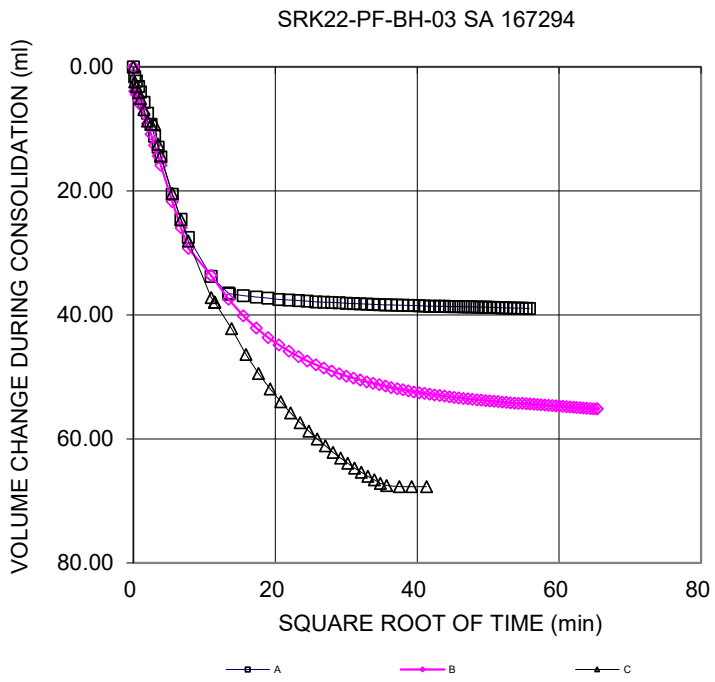
Date: 8/21/2022
Project No. 21504835

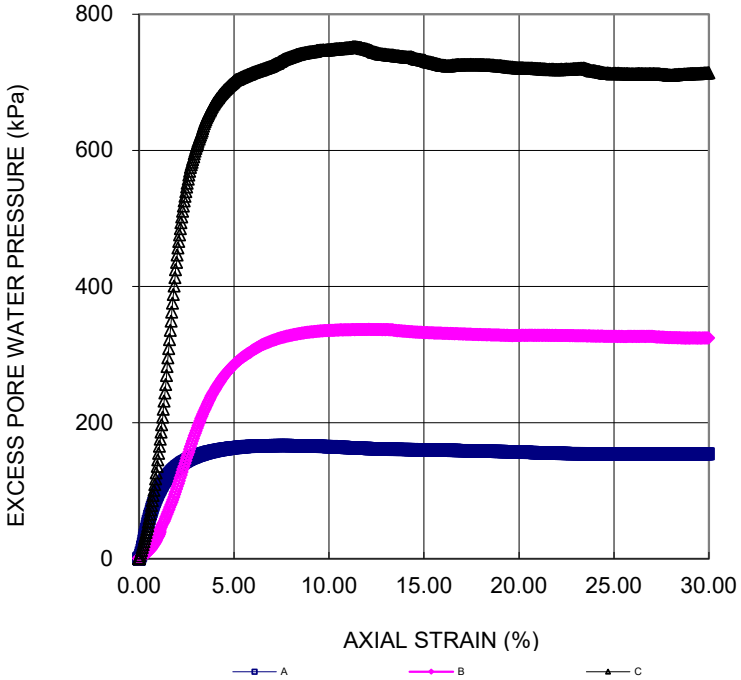
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 8/21/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK22-PF-BH03		
SAMPLE	167298		
DEPTH, m	33.83-34.14		
SPECIMEN DIAMETER, cm	5.07	5.06	5.06
SPECIMEN HEIGHT, cm	10.18	10.20	10.20
NATURAL WATER CONTENT, %	8.0	8.0	8.0
DRY DENSITY, Mg/m^3	1.576	1.576	1.586
WATER CONTENT AFTER SATURATION, %	26.0	25.9	26.5
CELL PRESSURE, σ_3, kPa	330.0	480.0	710.0
BACK PRESSURE, kPa	180.0	180.0	110.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	2.7	3.5	4.5
WATER CONTENT AFTER CONSOLIDATION, %	24.3	23.7	23.7
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	1.0	5.9	1.5
WATER CONTENT AFTER TEST, %	20.5	18.9	19.5
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	91.8	121.4	370.4
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	0.5	2.9	0.7
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	2.1	2.7	2.6
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	60.1	54.4	190.0
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	1.8	5.6	3.4
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.47	1.42	0.72
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	1.60	4.91	2.54
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.

Specimens compacted in 8 layers to a target dry density of $1.597 g/cm^3$ at about 8% water content. Achieved 99%compaction respectively. Saturation achieved using CO2 method.

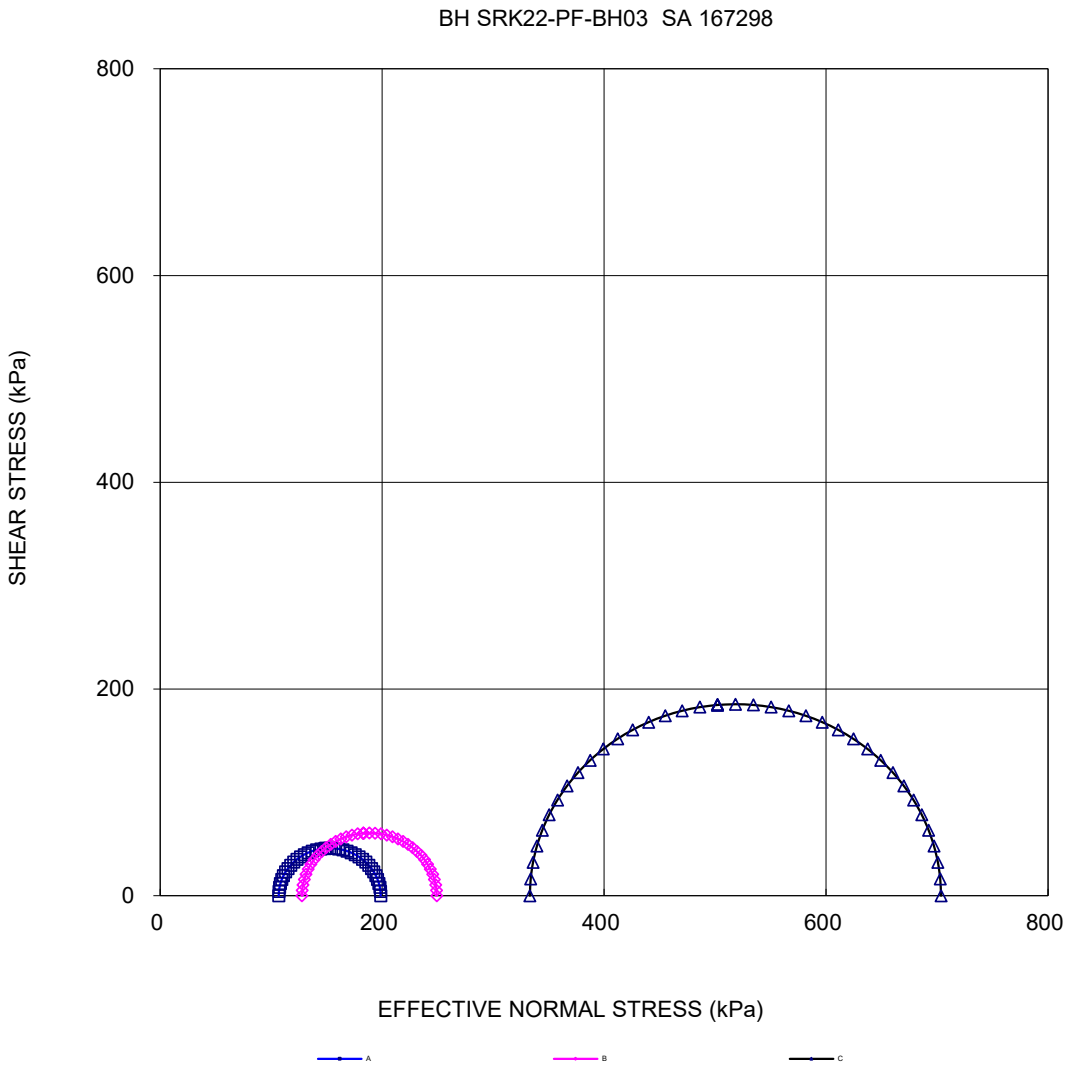
FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

Date: 12/20/2022 Prepared By LH

Project No. 21504835 **Golder Associates** Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 12/20/2022
Project No. 21504835

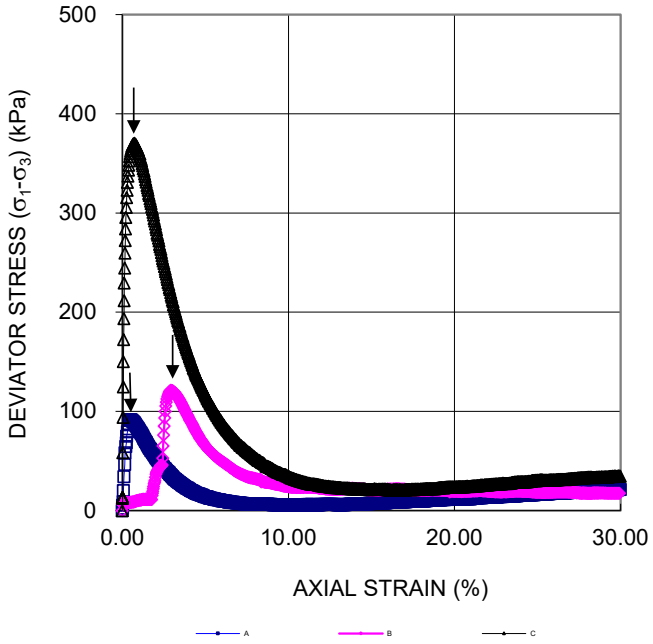
Golder Associates

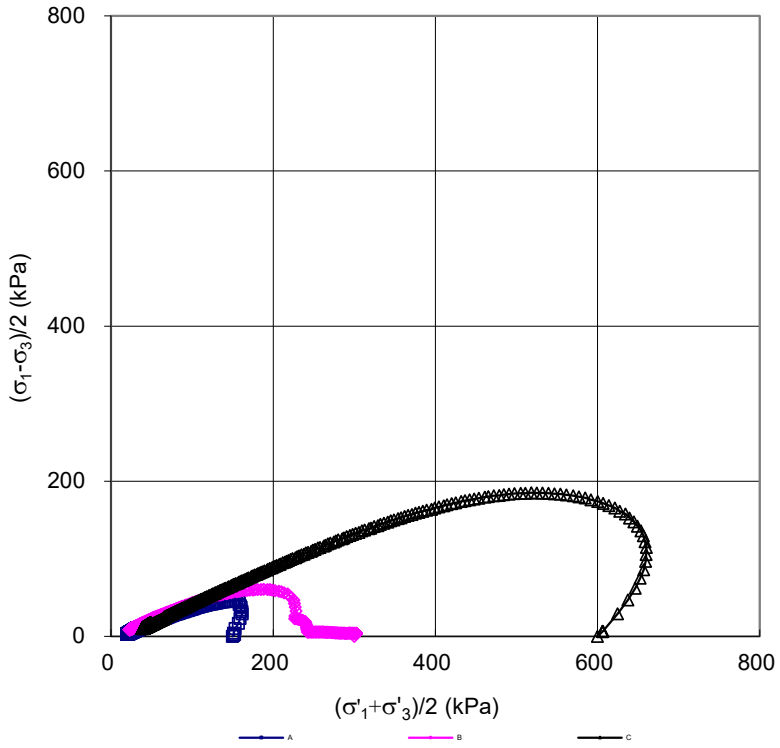
Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

BH SRK22-PF-BH03 SA 167298





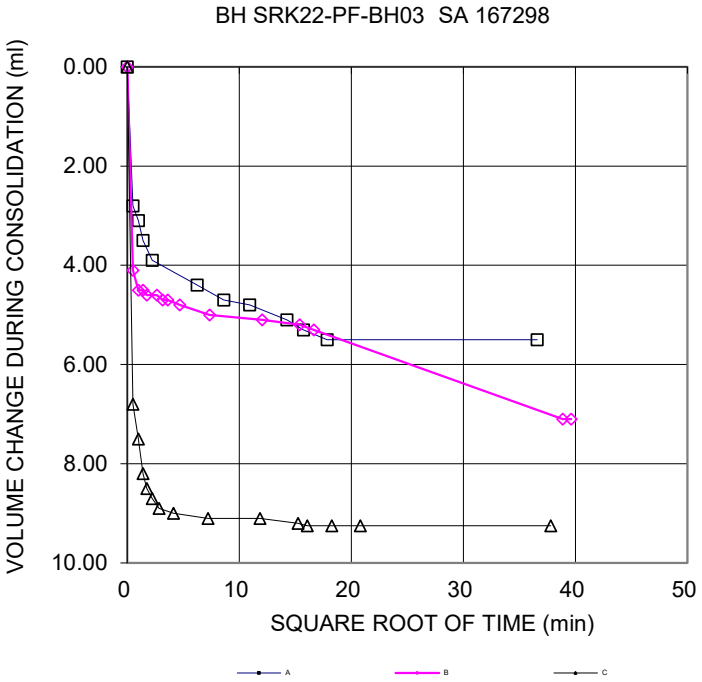
Date: 12/20/2022
Project No. 21504835

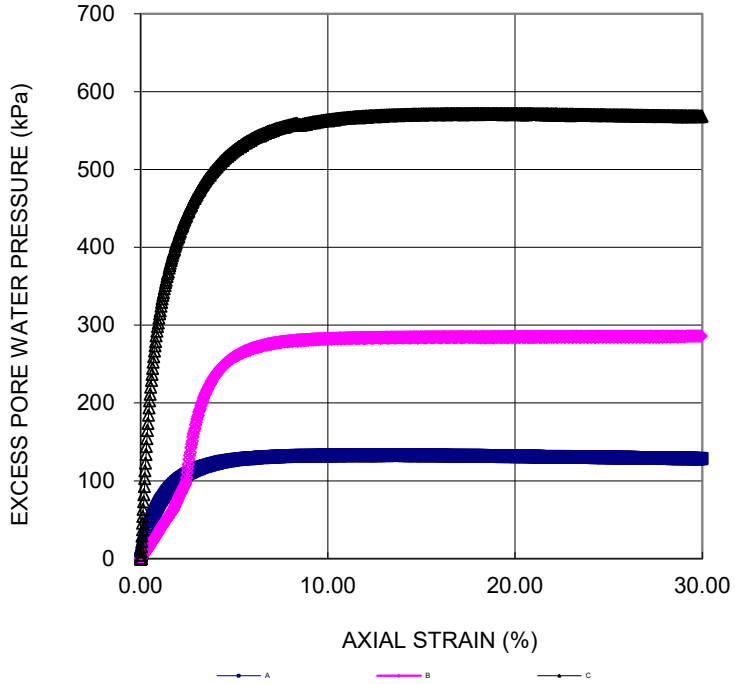
Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 12/20/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By:

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER	SRK22-PF-BH03		
SAMPLE	167296		
DEPTH, m	22.55-22.86		
SPECIMEN DIAMETER, cm	5.07	5.08	5.07
SPECIMEN HEIGHT, cm	10.21	10.18	10.15
NATURAL WATER CONTENT, %	10.3	10.5	10.4
DRY DENSITY, Mg/m^3	1.501	1.501	1.514
WATER CONTENT AFTER SATURATION, %	29.6	29.5	29.9
CELL PRESSURE, σ_3, kPa	560.0	780.0	850.0
BACK PRESSURE, kPa	410.0	480.0	250.0
PORE PRESSURE PARAMETER "B"	0.96	0.96	0.96
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	150.0	300.0	600.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	1.9	2.8	6.3
WATER CONTENT AFTER CONSOLIDATION, %	28.3	27.7	25.7
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	32.3	58.6	54.9
WATER CONTENT AFTER TEST, %	20.8	20.7	20.6
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	261.7	257.9	659.6
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	16.1	29.3	27.5
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.1	3.1	3.4
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	201.5	178.2	512.6
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	8.5	10.8	13.3
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.06	0.72	0.45
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	0.27	1.21	0.75
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:

Effective consolidation stresses are assigned by the client.
Specimens compacted in 8 layers to a target dry density of 1.519g/cm3 at about 10% water content. Achieved 99%, 99% and 100%compaction respectively.

FAILURE PLANE NUMBER	-	-	-
ANGLE OF FAILURE PLANE, DEGREES	Bulged	Bulged	Bulged

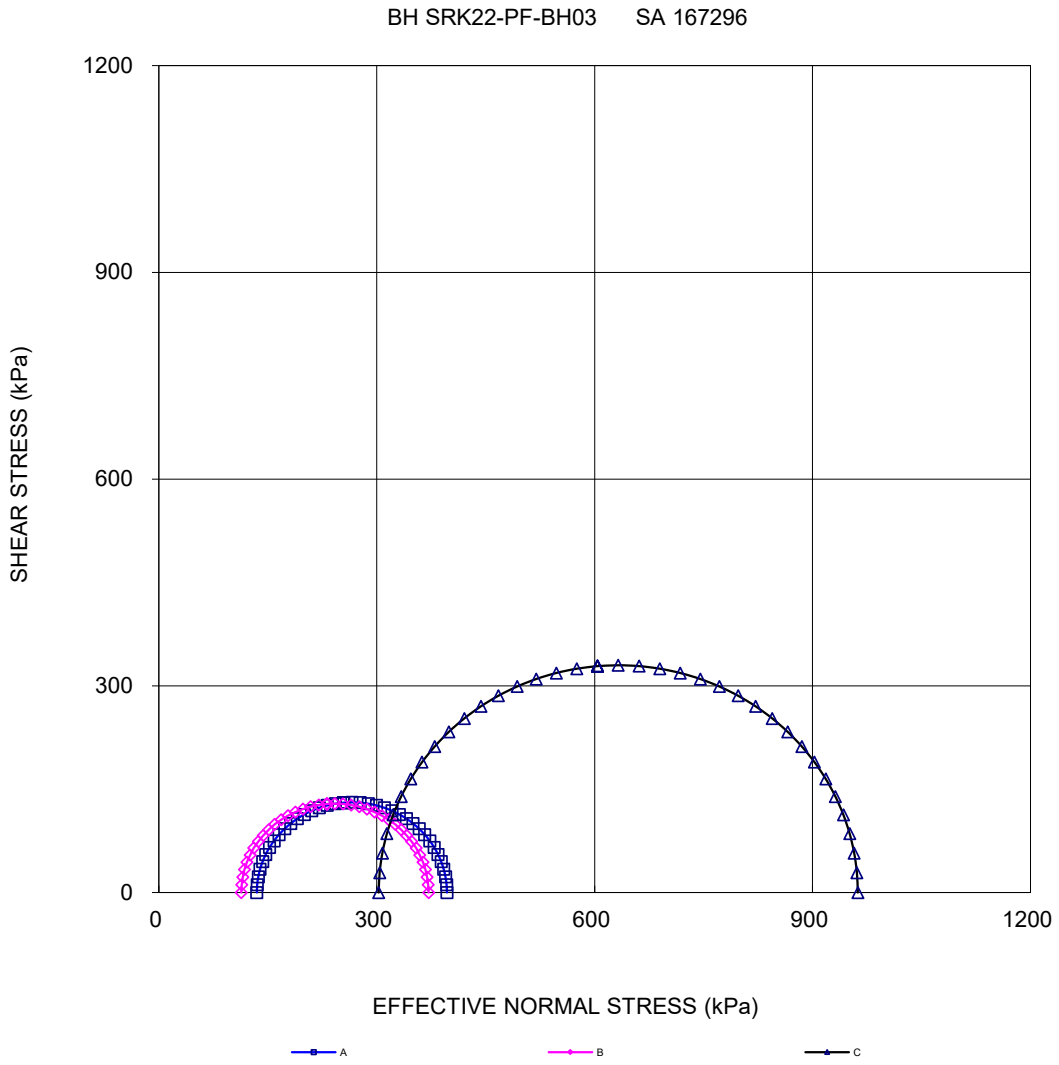
Date: 12/01/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



Date: 12/01/2022
Project No. 21504835

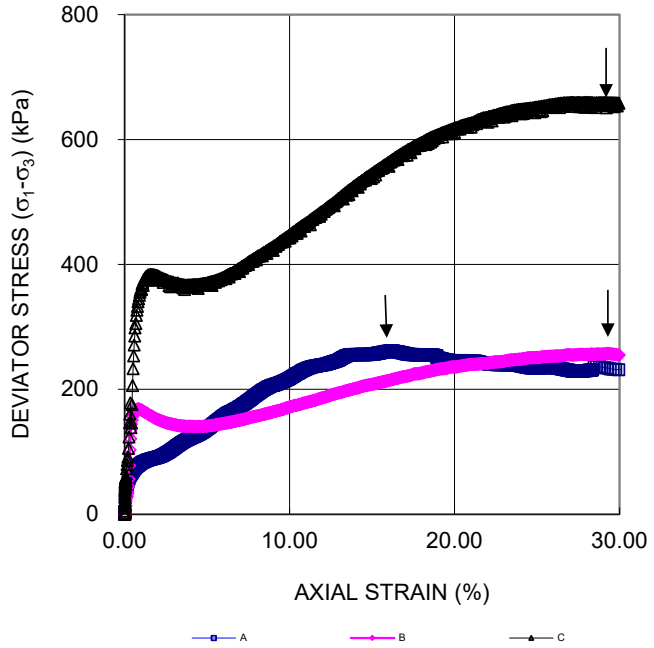
Golder Associates

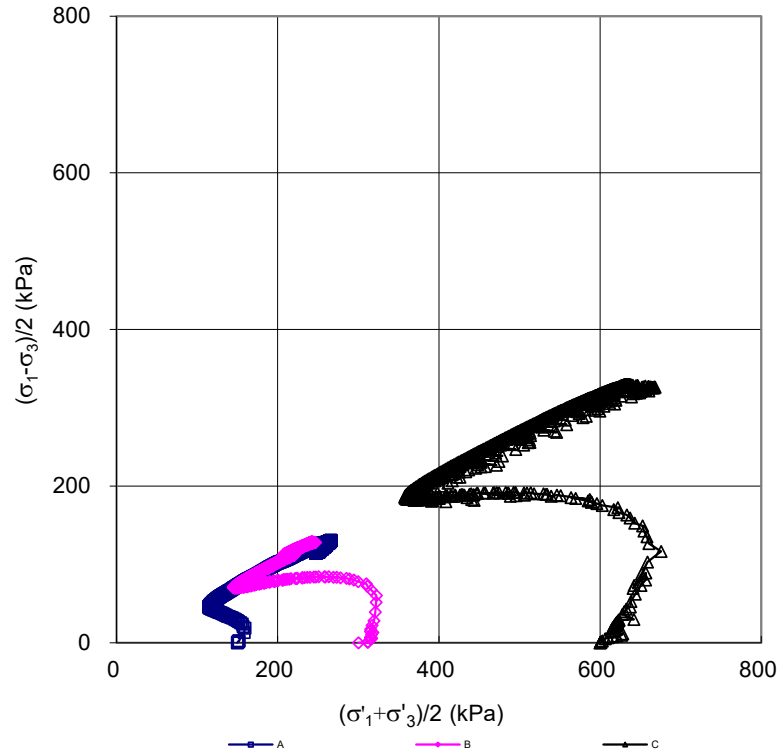
Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE

BH SRK22-PF-BH03 SA 167296





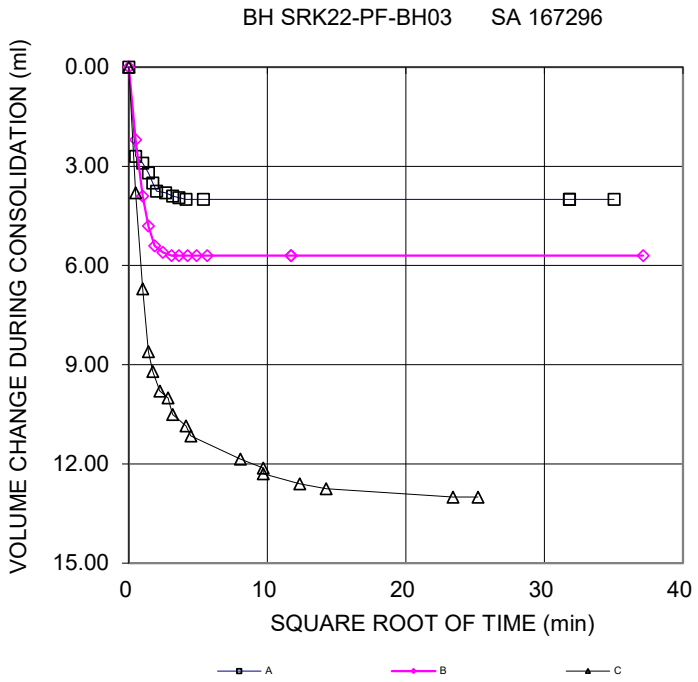
Date: 12/01/2022
Project No. 21504835

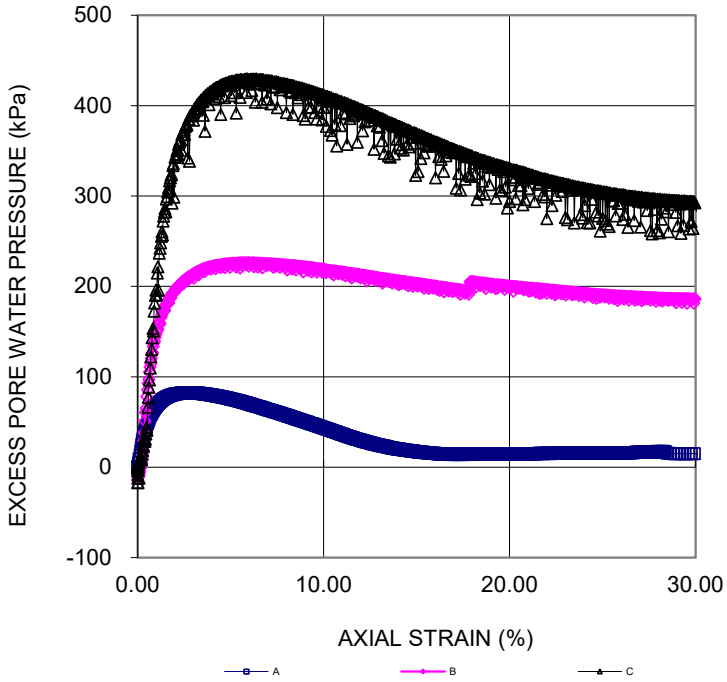
Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE





Date: 12/01/2022
Project No. 21504835

Golder Associates

Prepared By LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 1 OF 4

FIGURE

TEST STAGE	A	B	C
BOREHOLE NUMBER		WOS-BH-01	
SAMPLE		167392	
DEPTH, m		11.28-11.89	
SPECIMEN DIAMETER, cm	7.02	7.08	6.81
SPECIMEN HEIGHT, cm	13.95	14.21	13.21
NATURAL WATER CONTENT, %	44.5	45.0	-
DRY DENSITY, Mg/m^3	1.26	1.22	-
WATER CONTENT AFTER SATURATION, %	43.1	44.5	-
CELL PRESSURE, σ_3, kPa	230.0	330.0	530.0
BACK PRESSURE, kPa	130.0	130.0	130.0
PORE PRESSURE PARAMETER "B"	0.96	0.97	-
EFFECTIVE CONSOLIDATION STRESS, σc, kPa	100.0	200.0	400.0
VOLUMETRIC STRAIN DURING CONSOLIDATION, %	6.1	11.3	5.4
WATER CONTENT AFTER CONSOLIDATION, %	38.2	35.3	31.5
AVERAGE RATE OF STRAIN, %/hr	0.5	0.5	0.5
TIME TO FAILURE, HOURS	10.8	6.8	15.0
WATER CONTENT AFTER TEST, %	37.0	-	31.3
MAX. DEVIATOR STRESS, $(\sigma_1-\sigma_3)$, kPa	72.4	129.1	214.4
AXIAL STRAIN AT $(\sigma_1-\sigma_3)$ maximum, %	5.4	3.4	7.5
MAX EFFECTIVE PRINCIPAL STRESS RATIO, (σ'_1/σ'_3) maximum	3.2	2.6	2.9
DEVIATOR STRESS AT (σ'_1/σ'_3) maximum, kPa	68.6	129.1	209.4
AXIAL STRAIN AT (σ'_1/σ'_3) maximum, %	11.6	3.4	13.6
PORE PRESSURE PARAMETER, Af, AT $(\sigma_1-\sigma_3)$ maximum	0.92	0.94	1.21
PORE PRESSURE PARAMETER, Af, AT (σ'_1/σ'_3) maximum	1.00	0.94	1.37
FILTER DRAINS USED, y/n	y	y	y

TEST NOTES:
Multistage Test.
Effective consolidation stresses are assigned by the client.
Specimen A taken 3-17cm from top of tube.
Specimen B/C taken 17-34cm from top of tube.

FAILURE PLANE NUMBER	2.0	-	1.0
ANGLE OF FAILURE PLANE, DEGREES	70/40	-	50.0

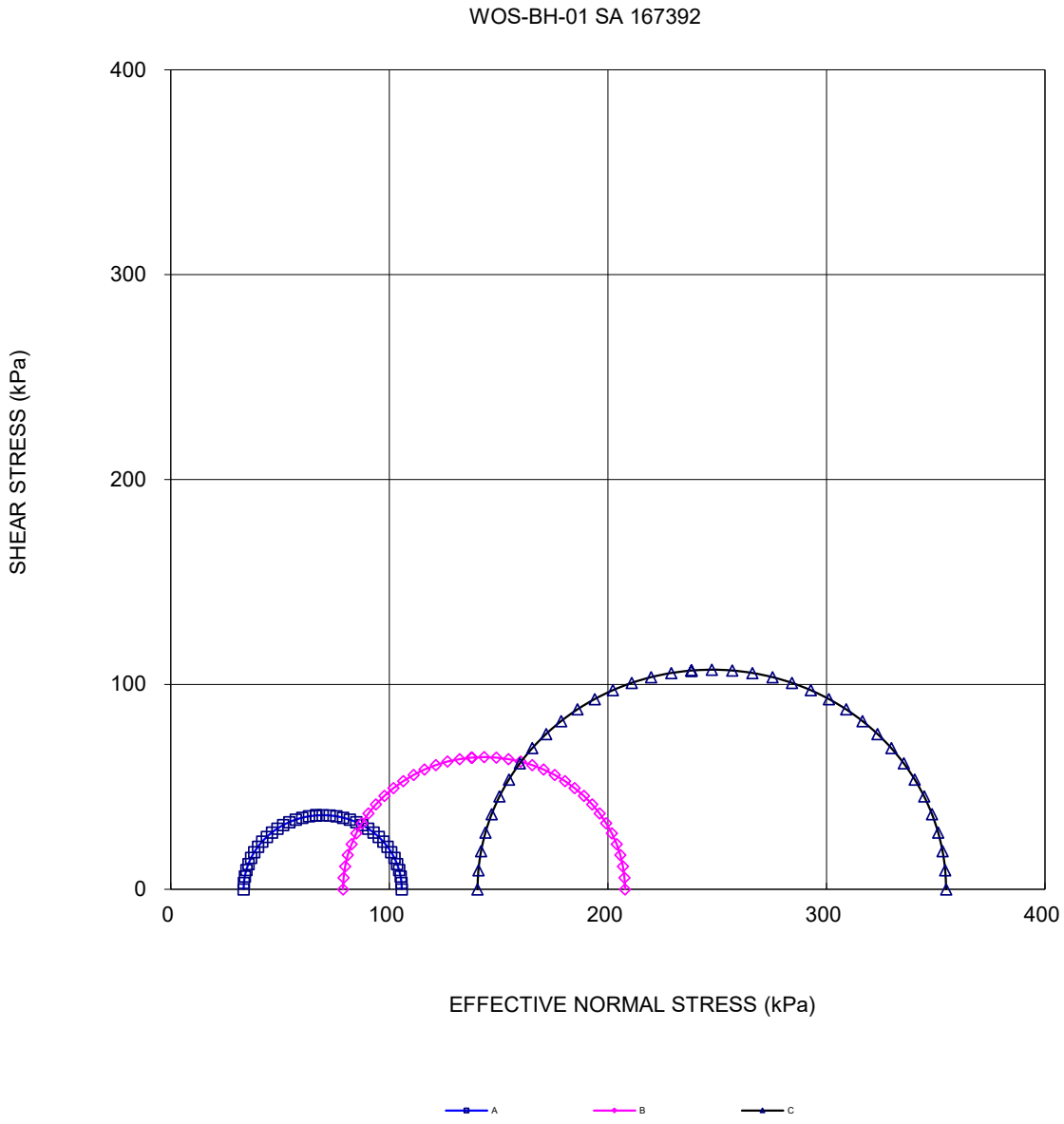
Date: 6/23/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 2 OF 4

FIGURE



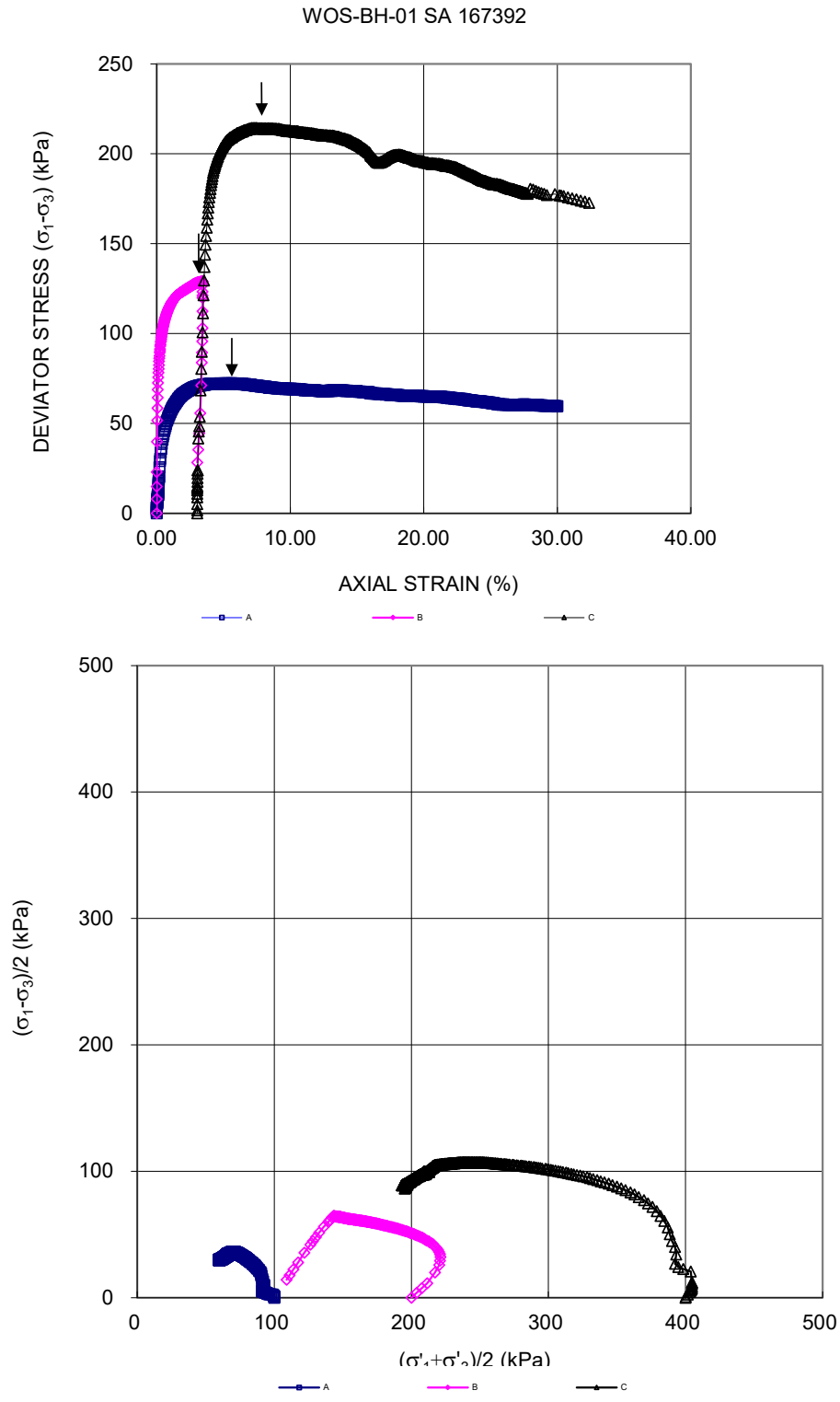
Date: 6/23/2022
Project No. 21504835

Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 3 OF 4

FIGURE



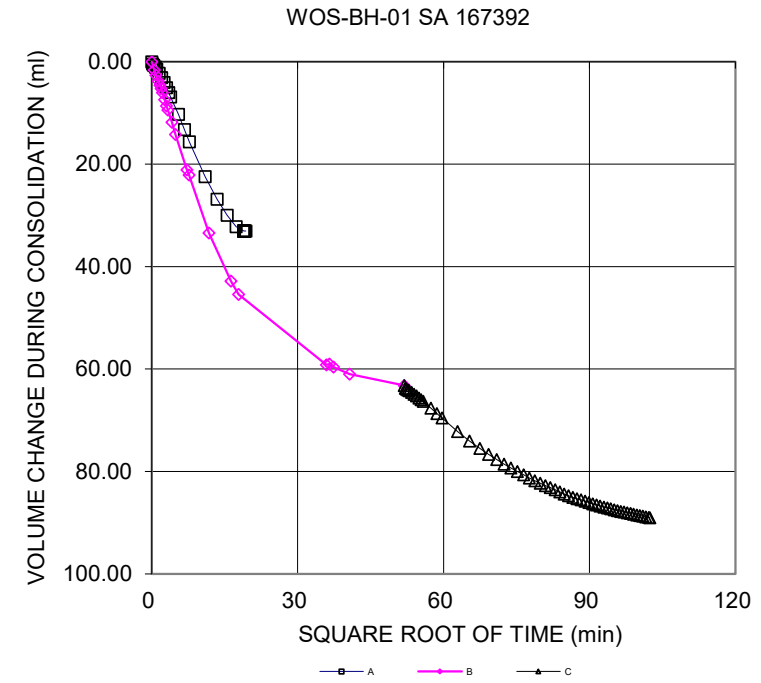
Date: 6/23/2022
Project No. 21504835

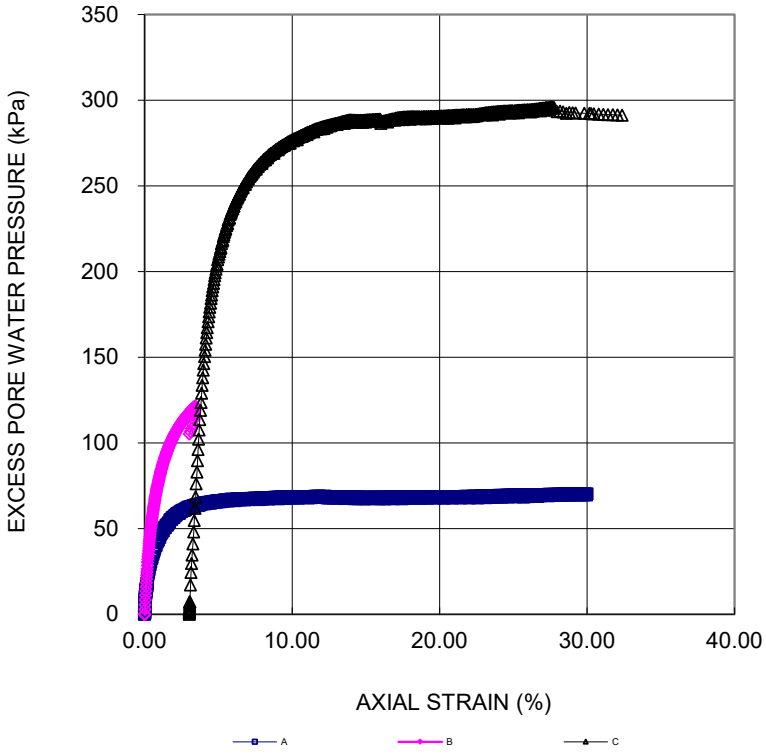
Golder Associates

Prepared By: LH
Checked By: MM

CONSOLIDATED UNDRAINED TRIAXIAL
WITH PORE PRESSURE MEASUREMENTS
ASTM D4767
SHEET 4 OF 4

FIGURE



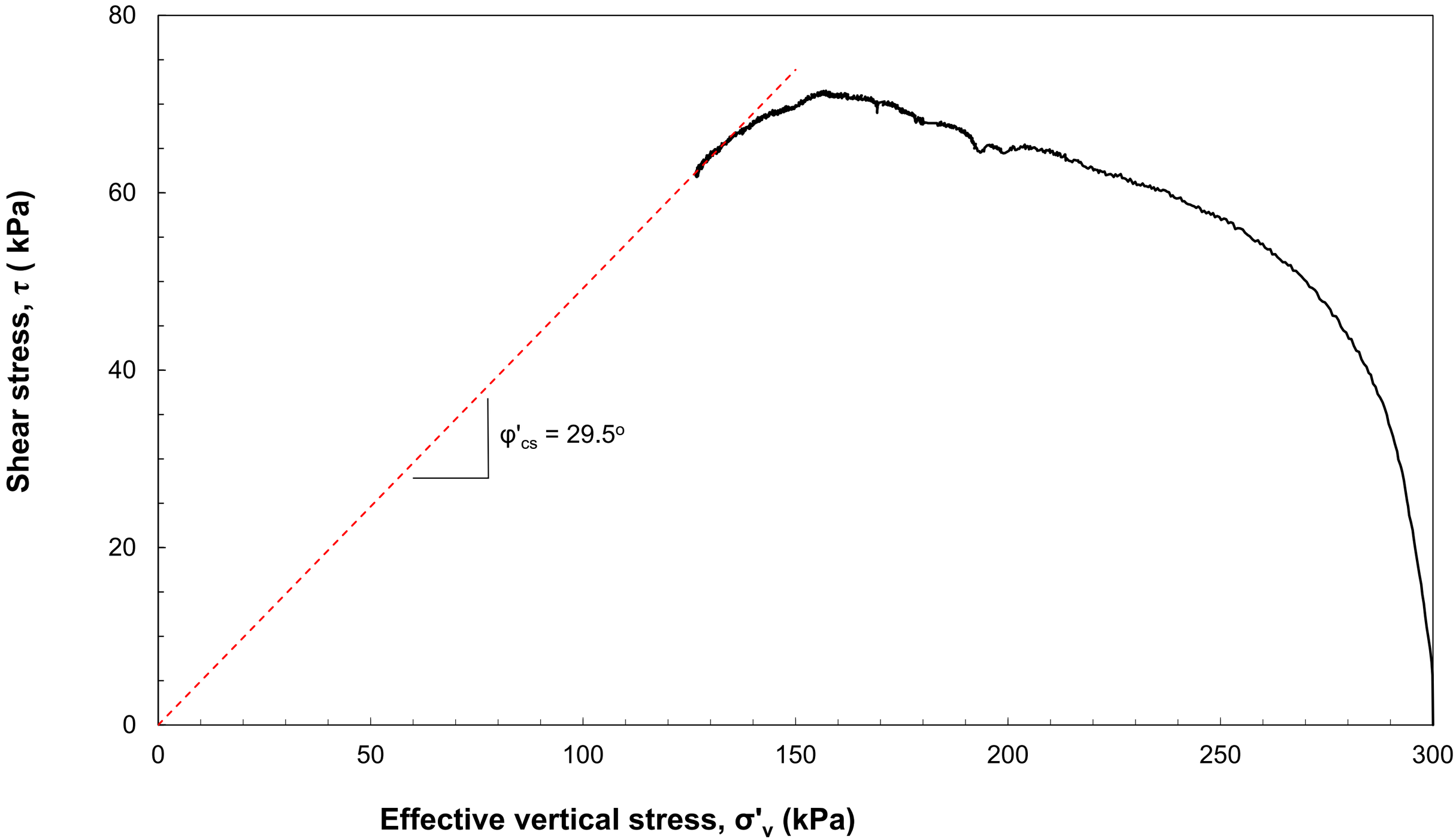


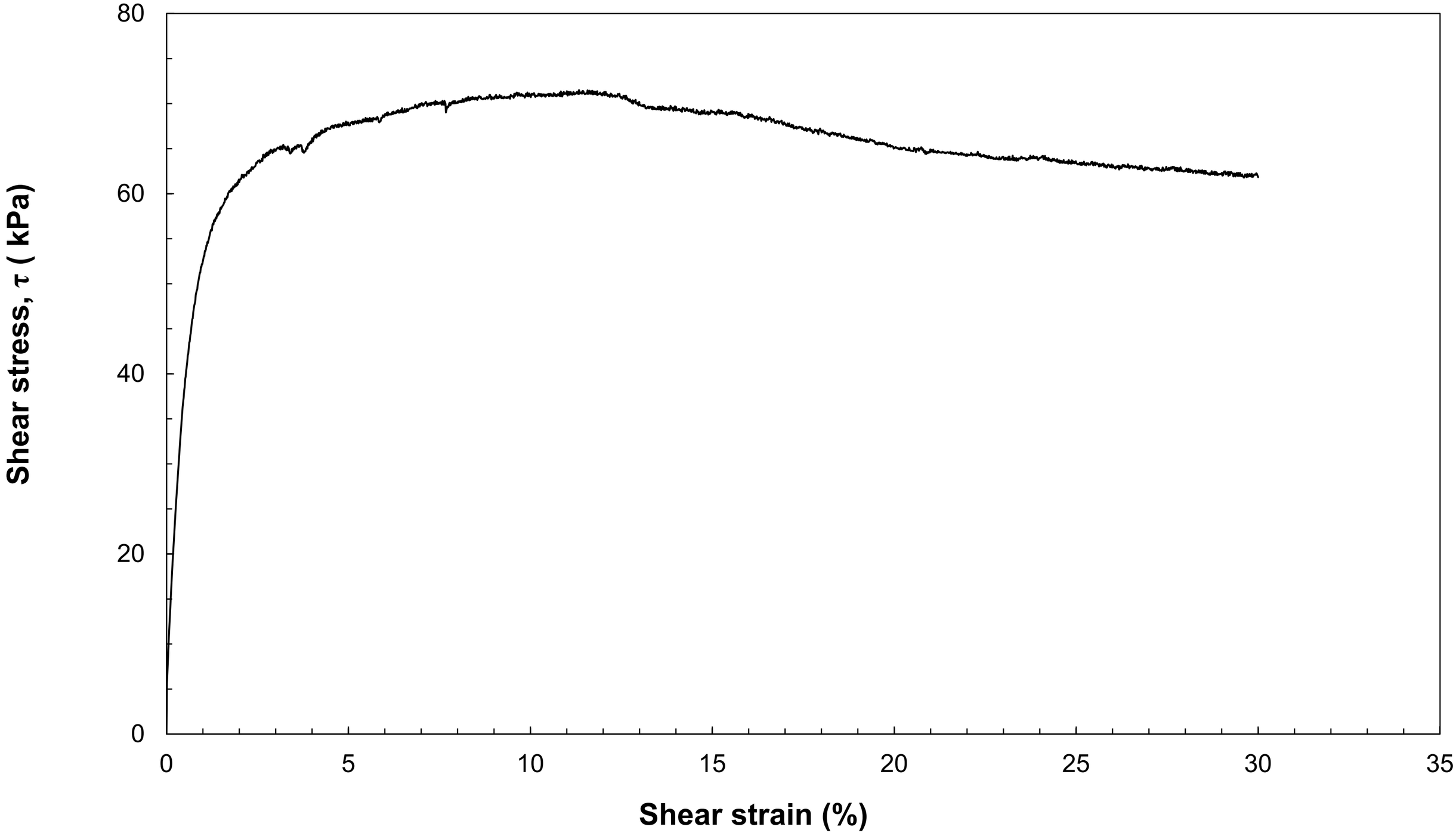
Date: 6/23/2022
Project No. 21504835

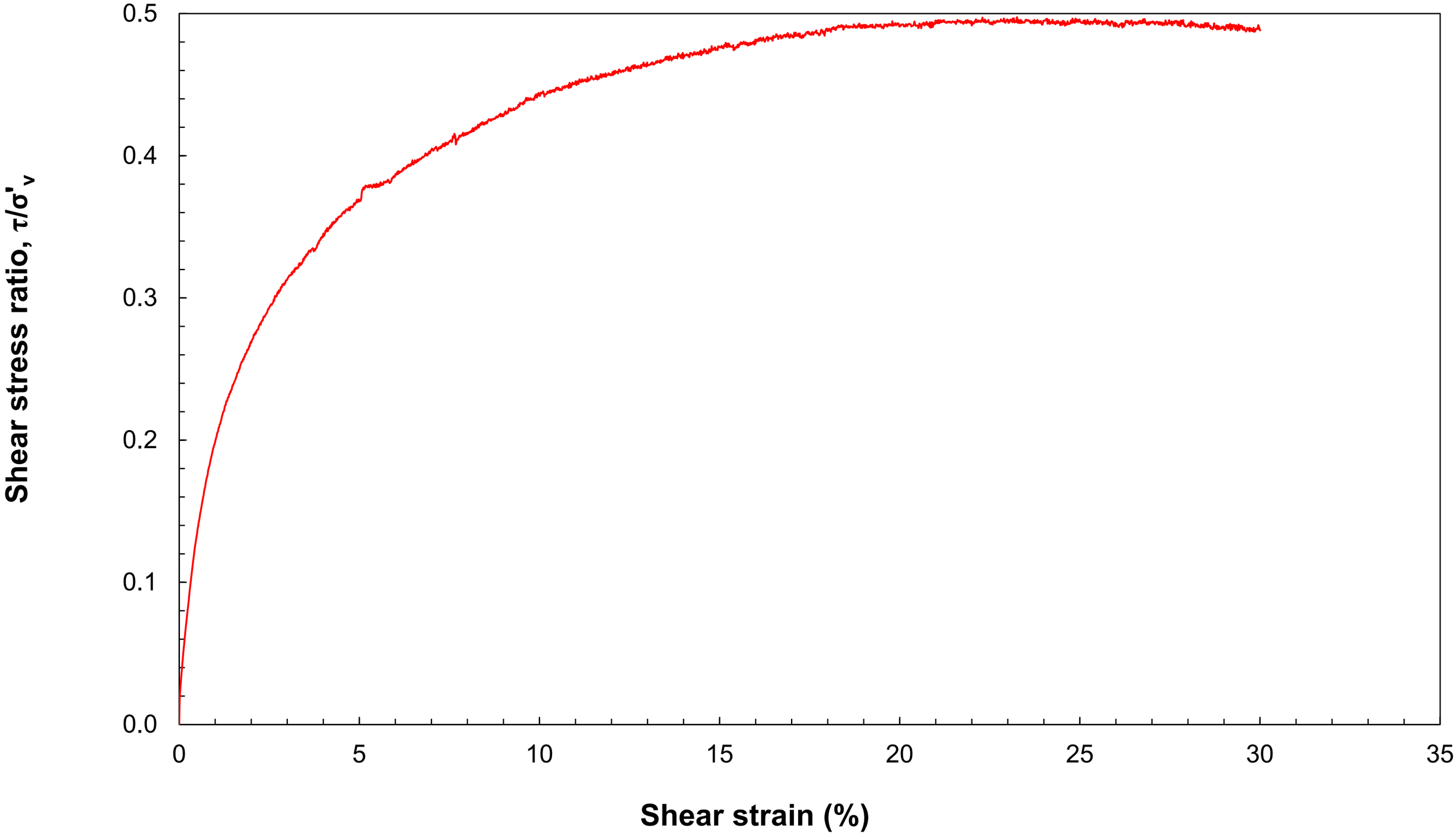
Golder Associates

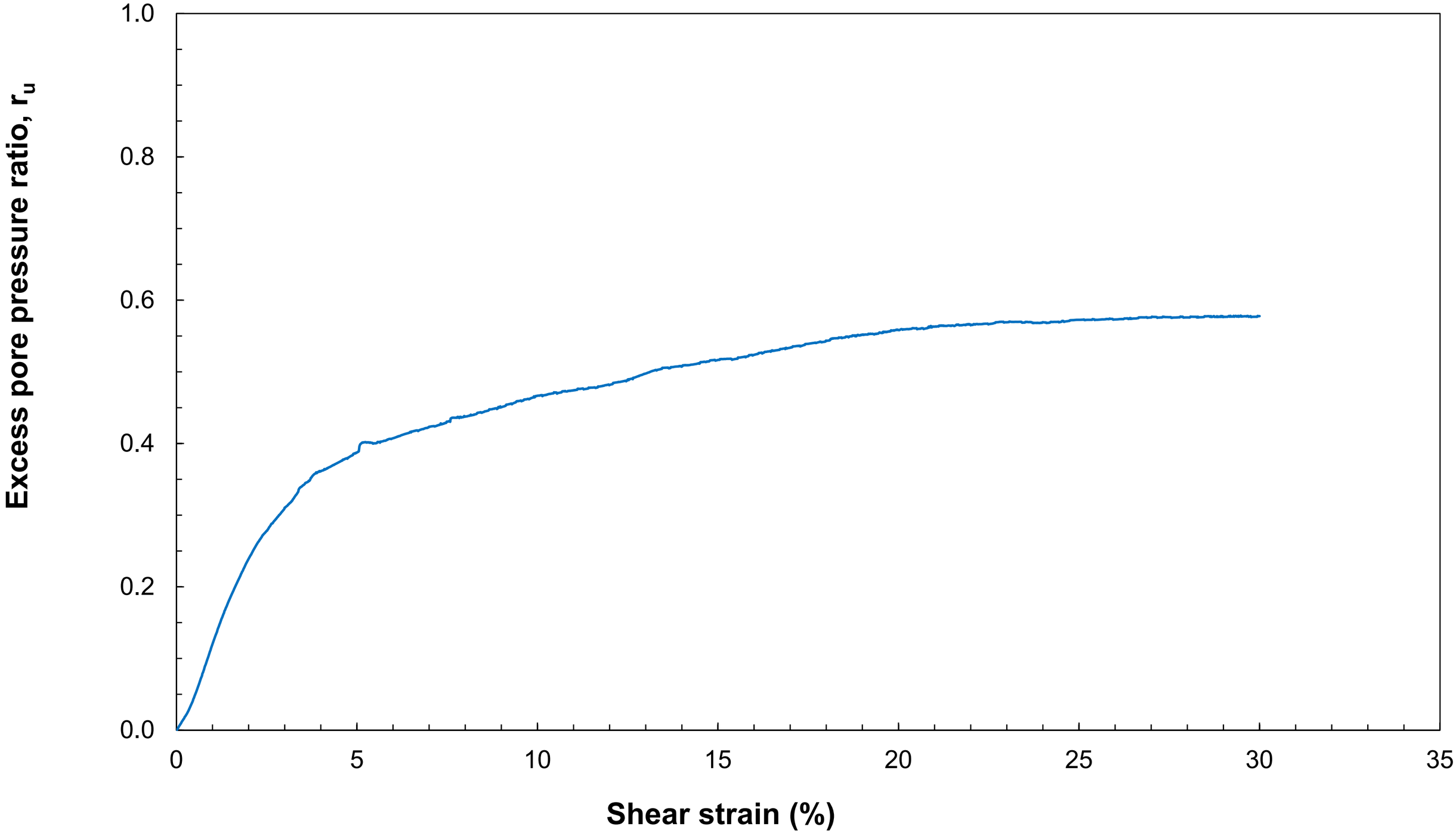
Prepared By: LH
Checked By: MM

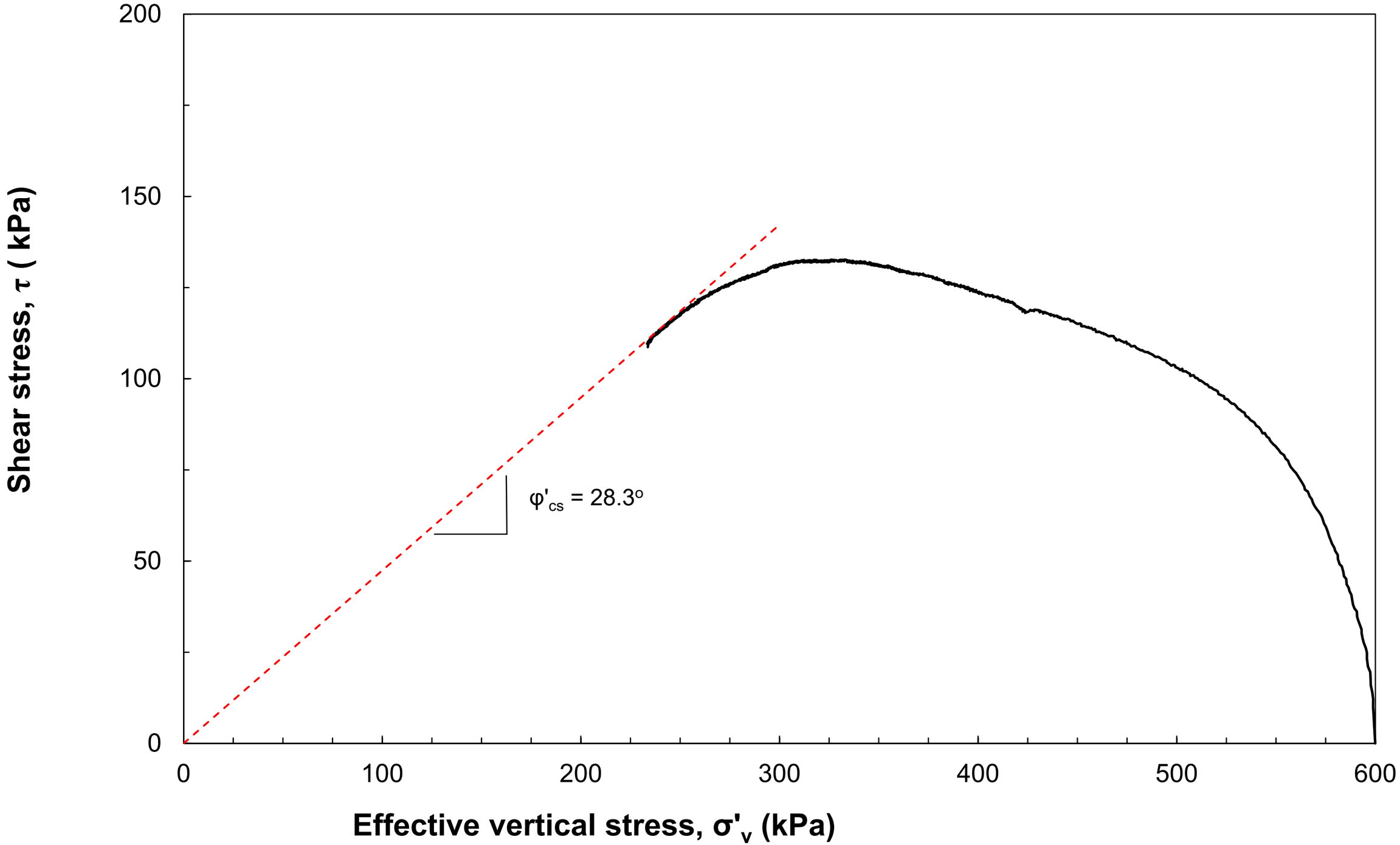
Appendix E.5 Direct Simple Shear Tests

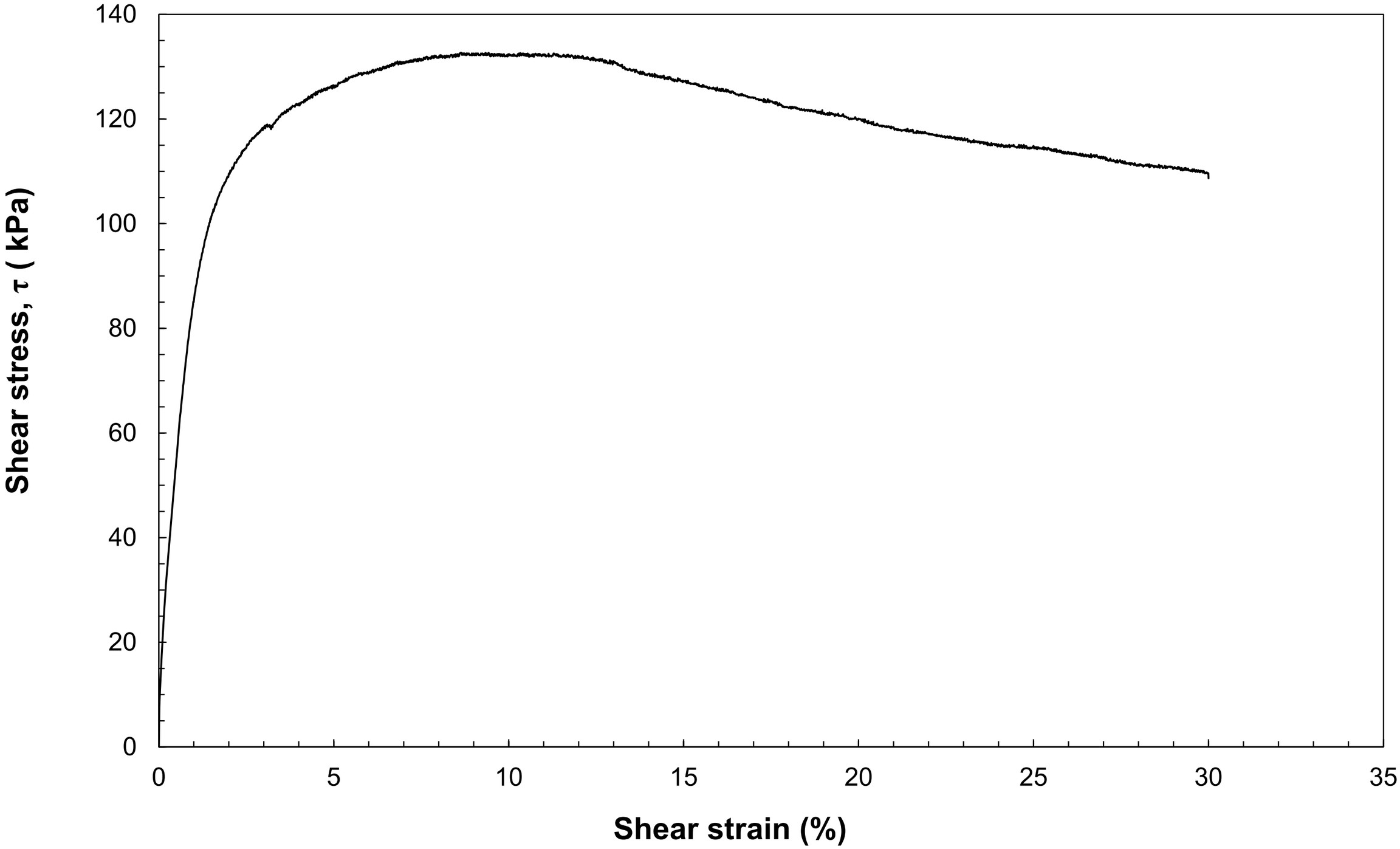

80
60
40
20
0
0
50
100
150
200
250
300
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 29.5o

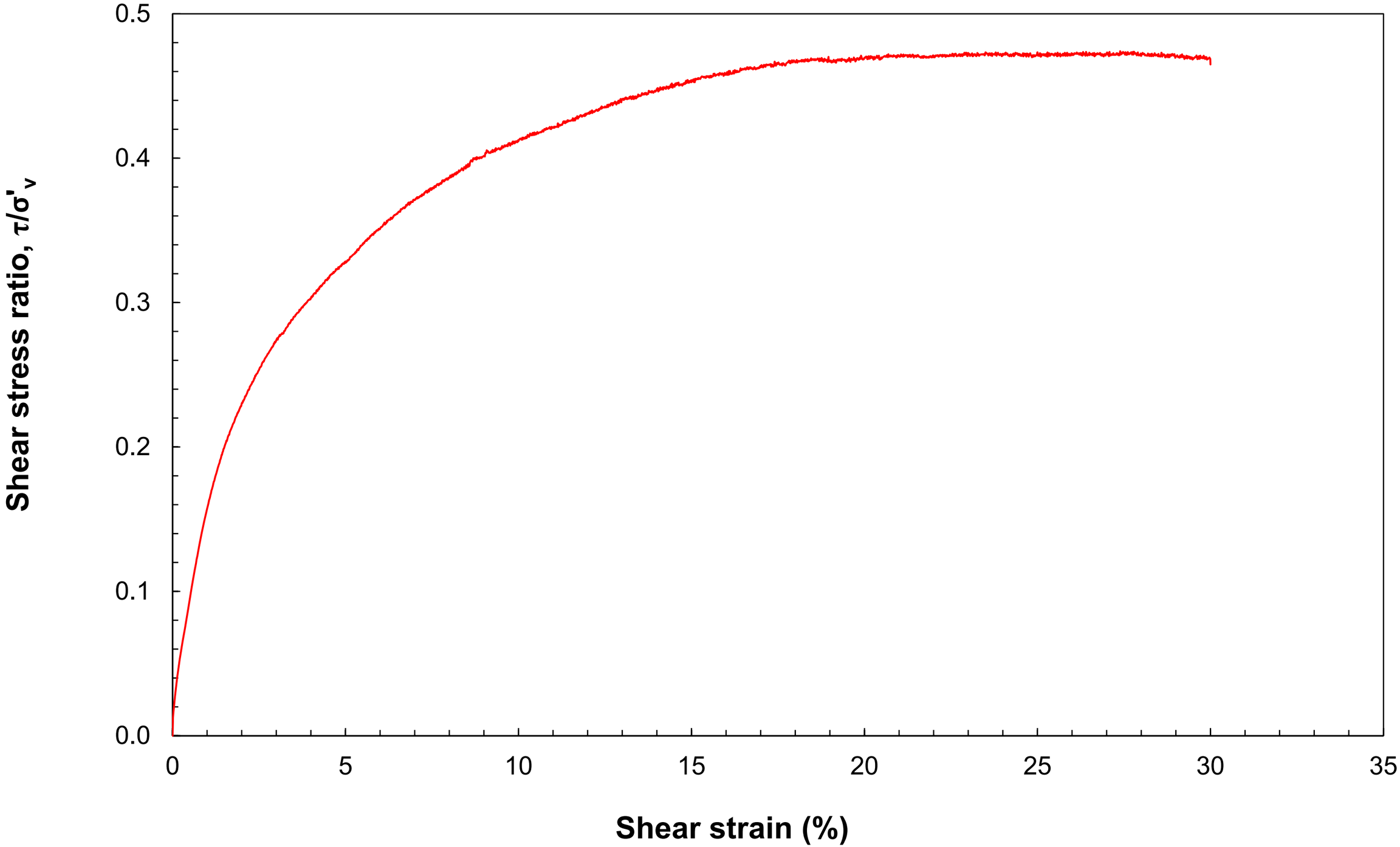

Shear stress, τ (kPa)
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

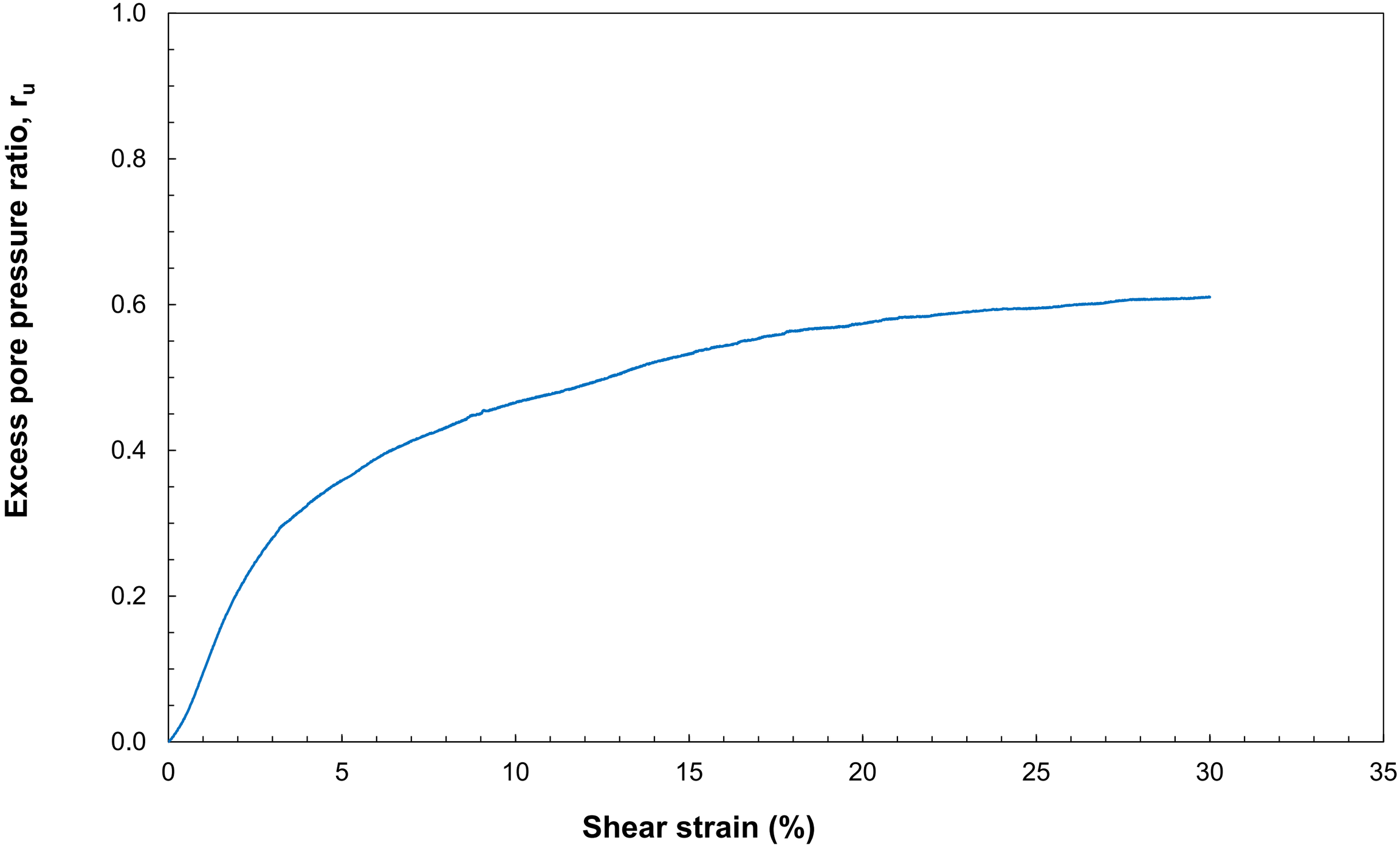

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

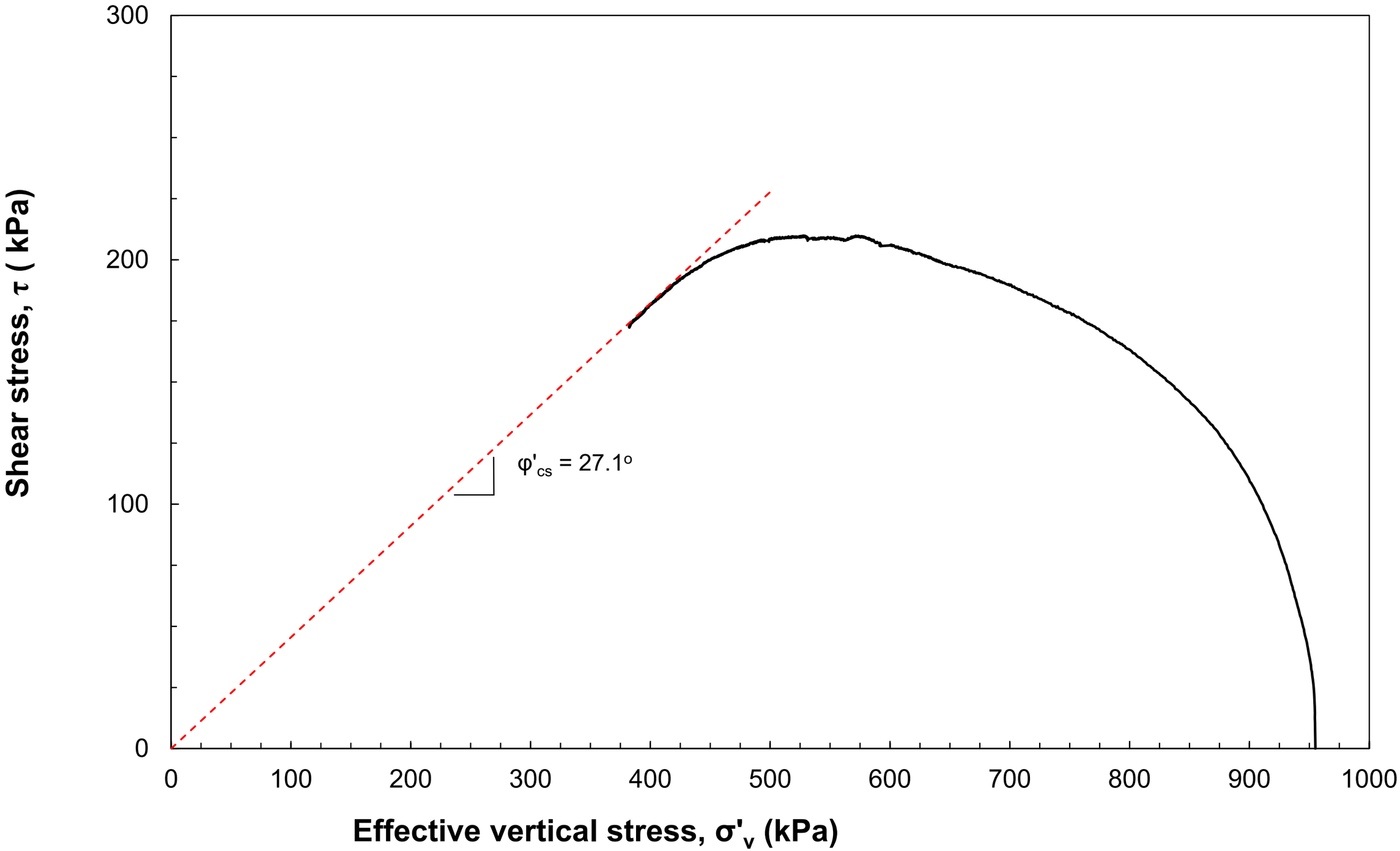

Excess pore pressure ratio, r_u
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

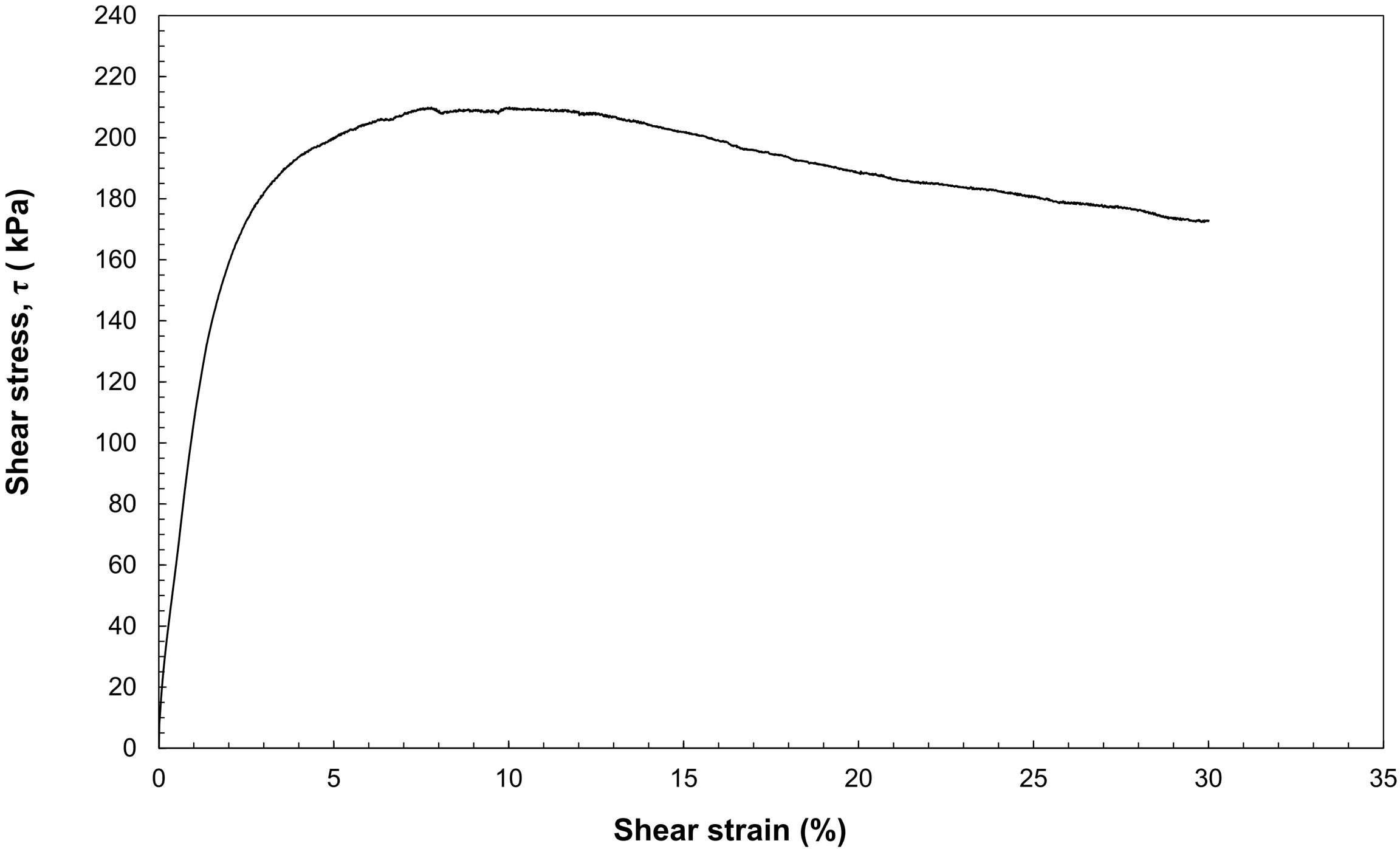

Shear stress, τ (kPa)
200
150
100
50
0
φ'cs = 28.3o
0
100
200
300
400
500
600
Effective vertical stress, σ'v (kPa)

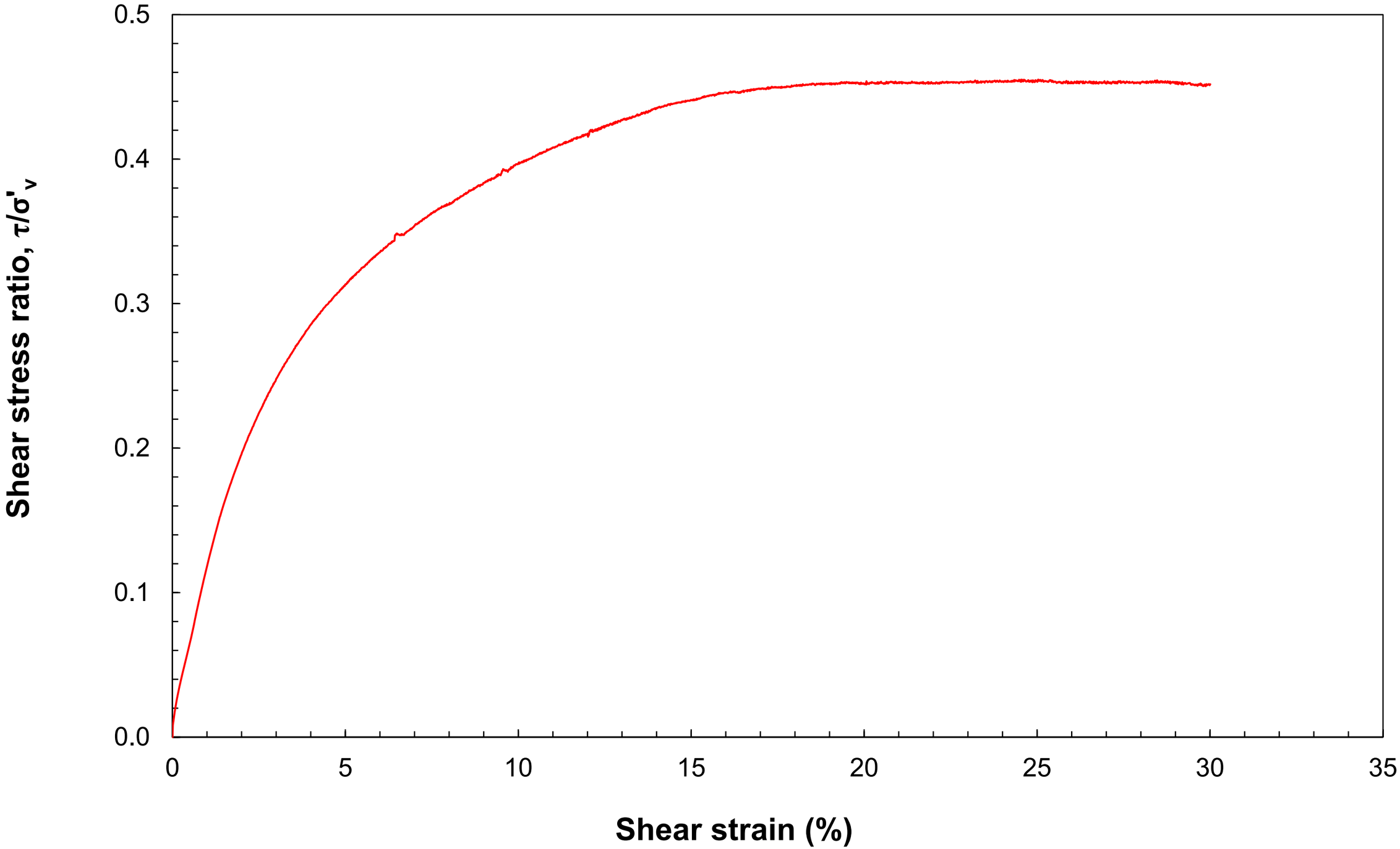

Shear stress, τ (kPa)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

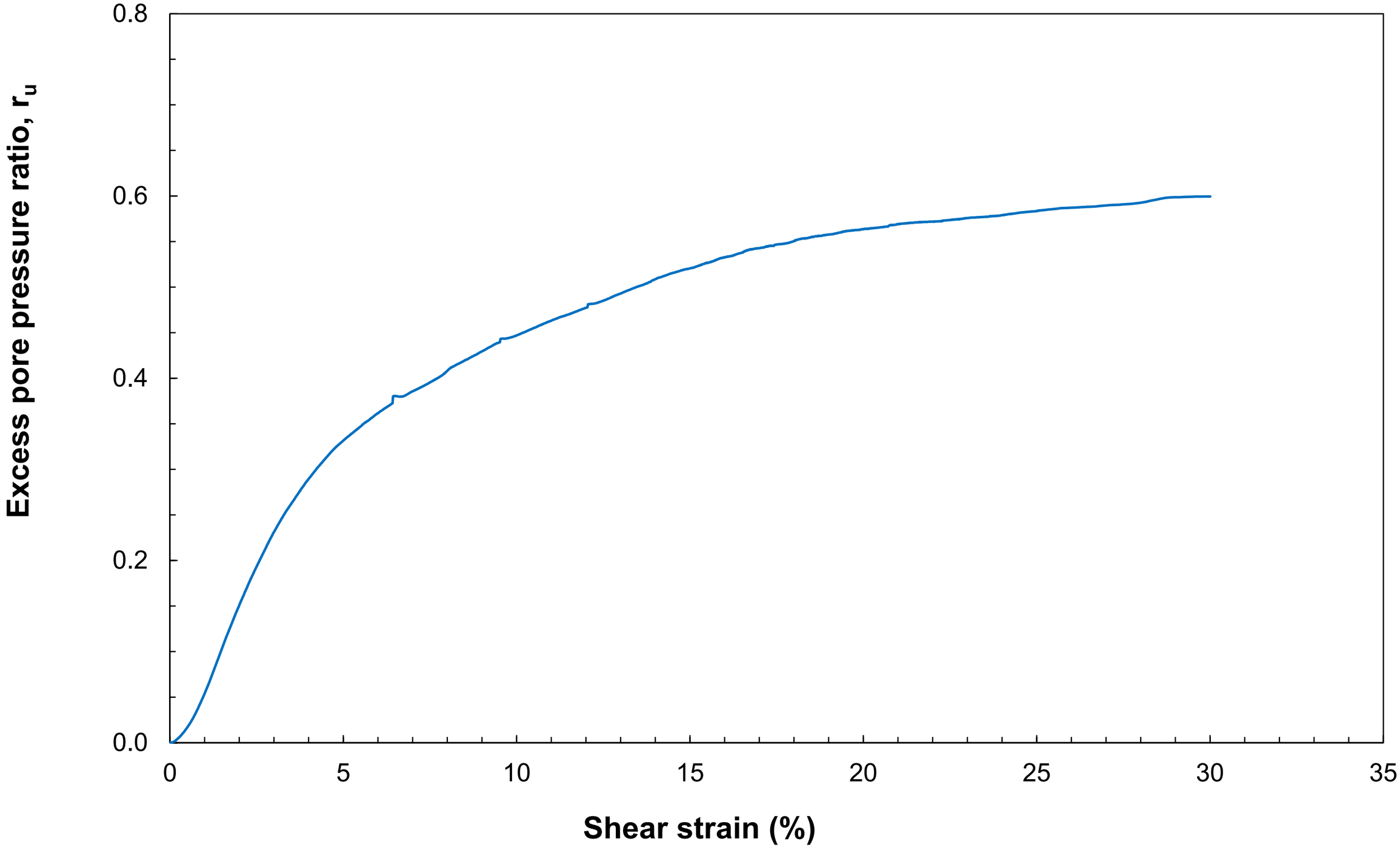

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

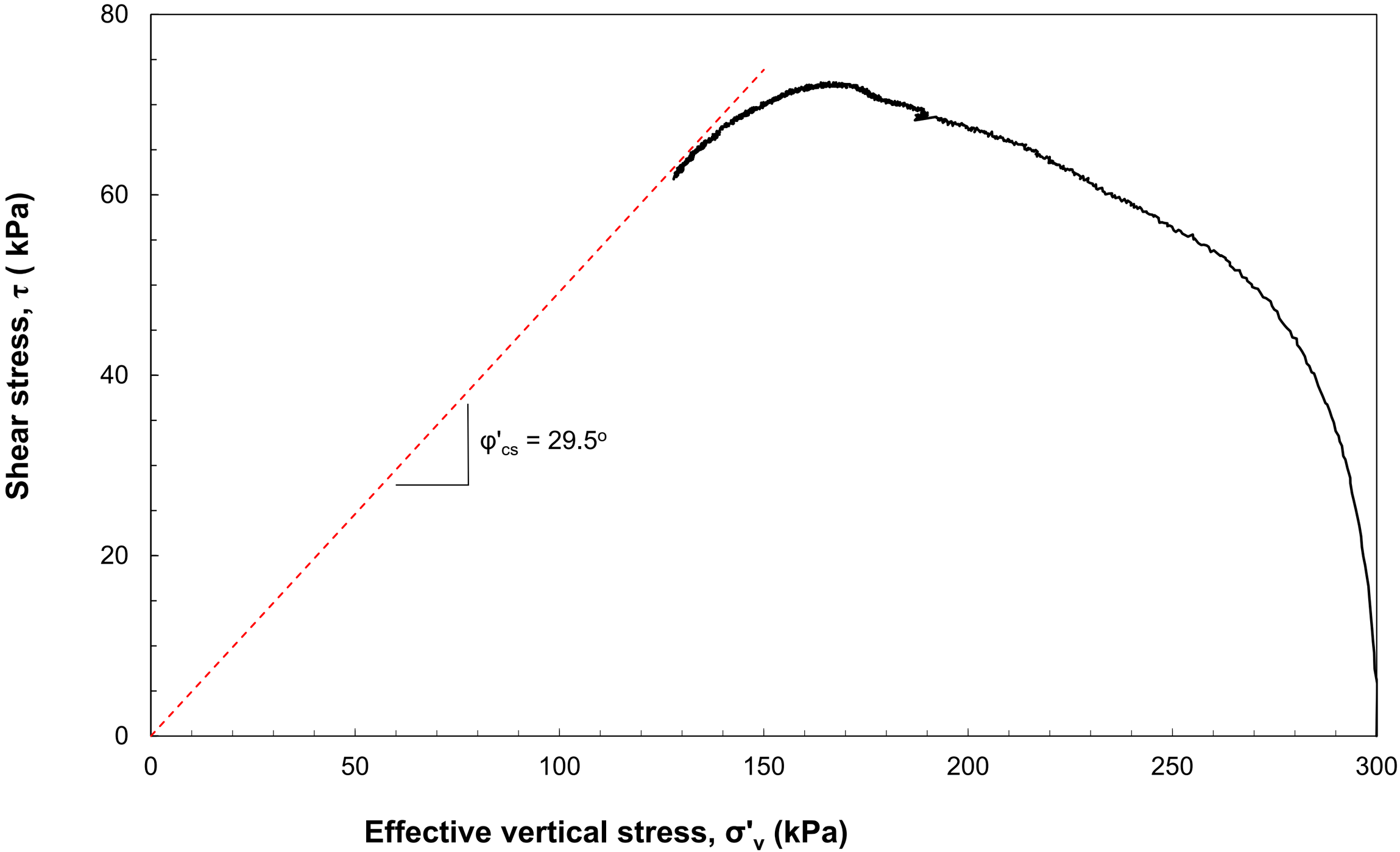

Excess pore pressure ratio, r_u
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

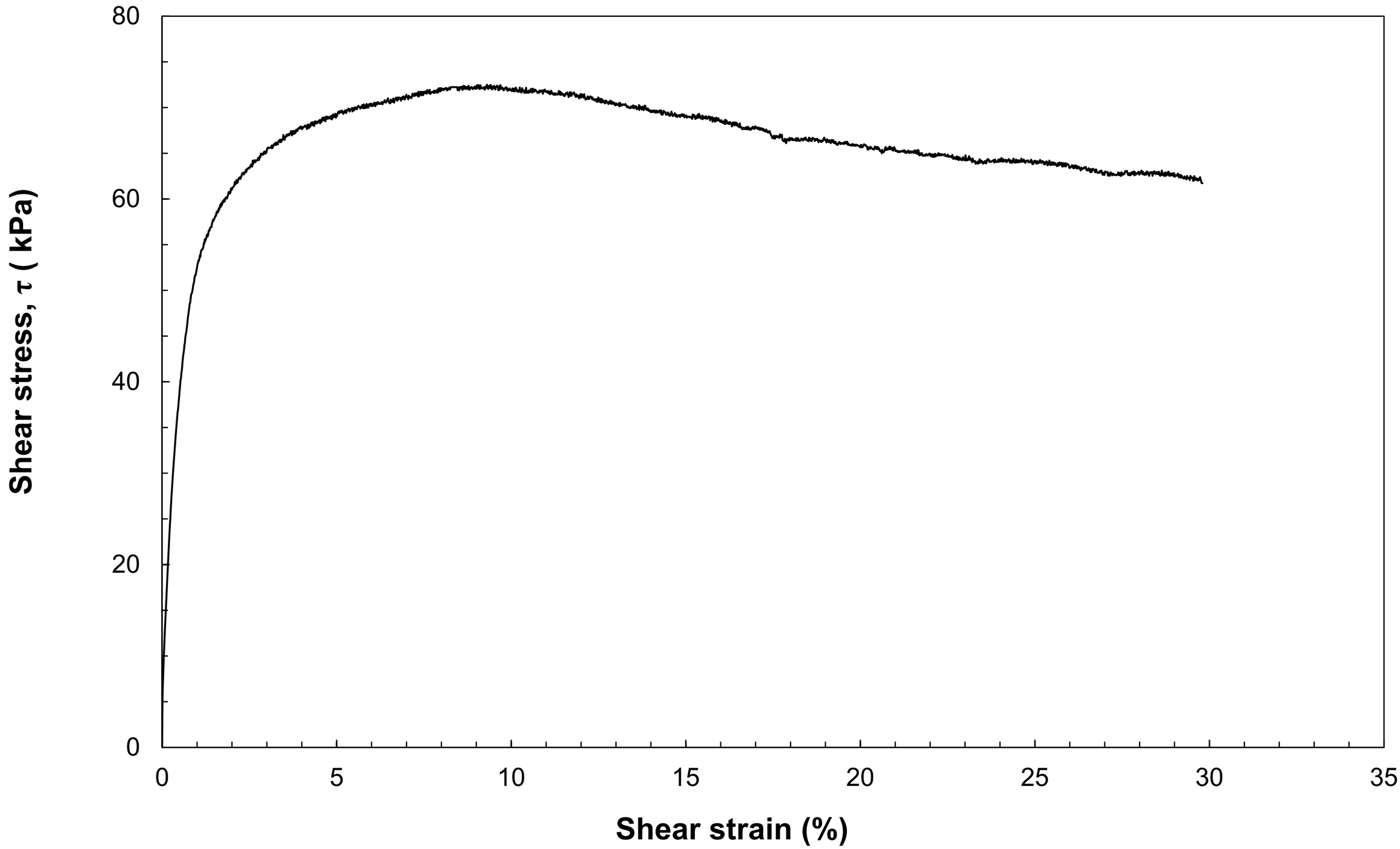

300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 27.1°

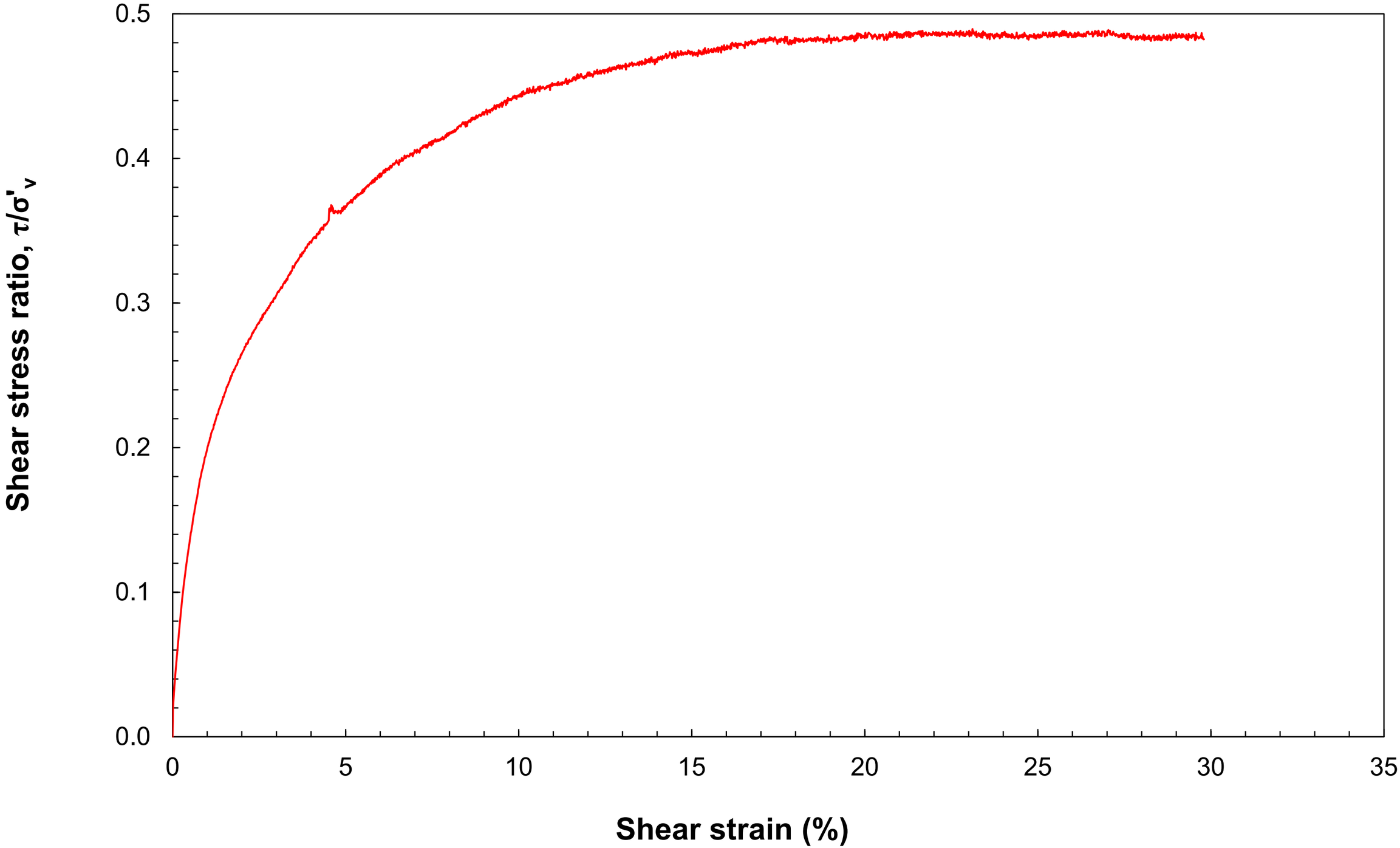

Shear stress, τ (kPa)
240
220
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

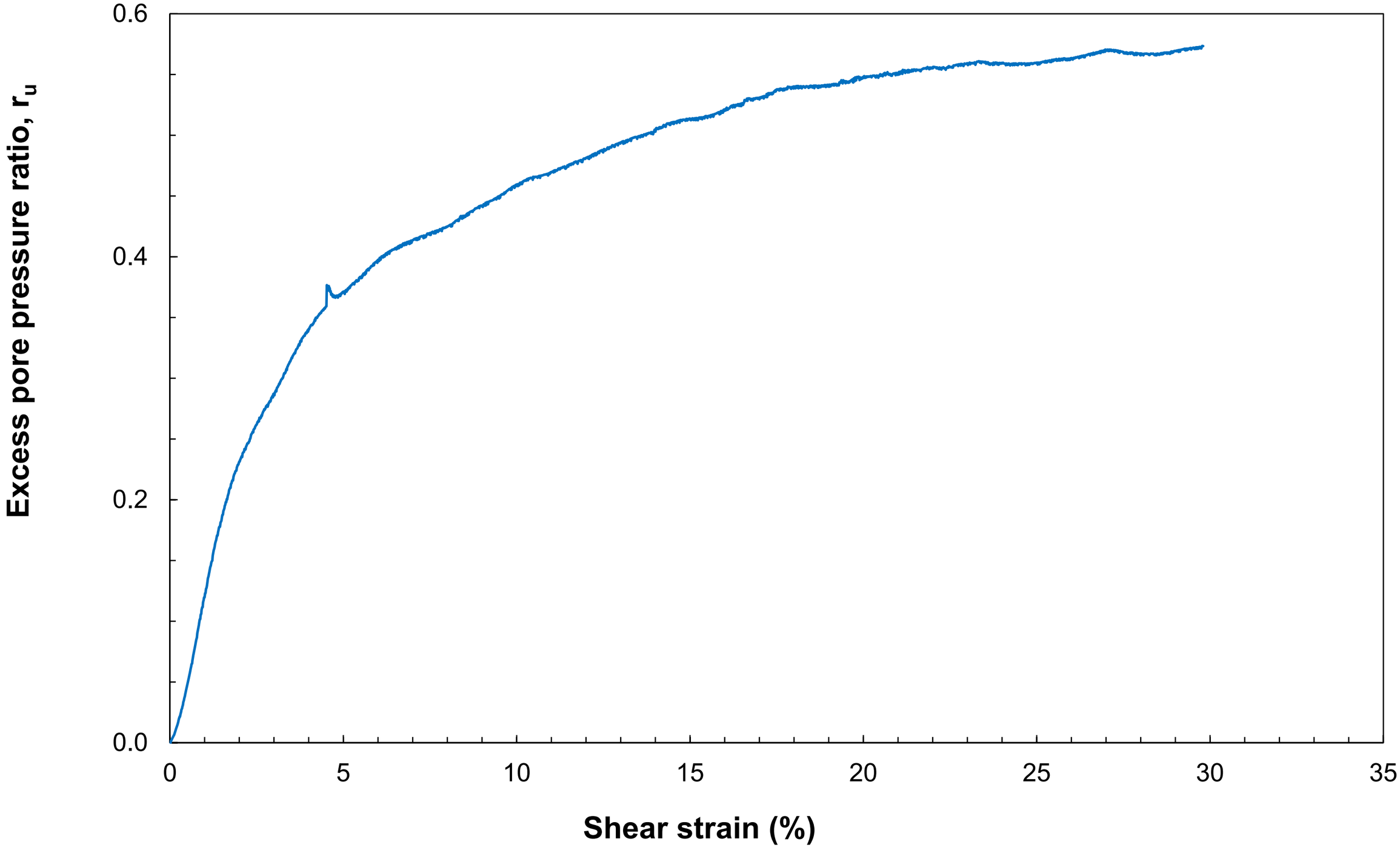

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

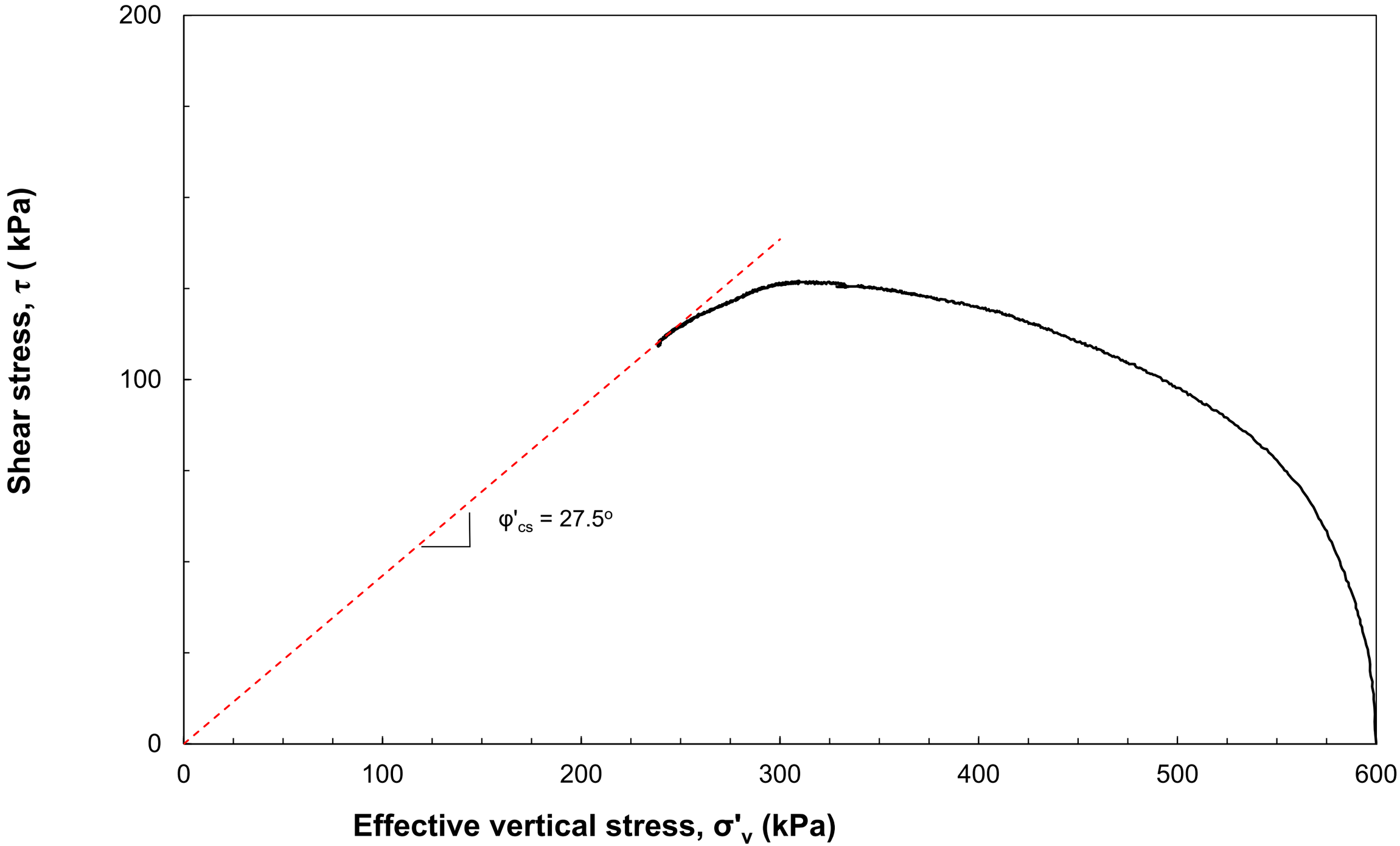

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

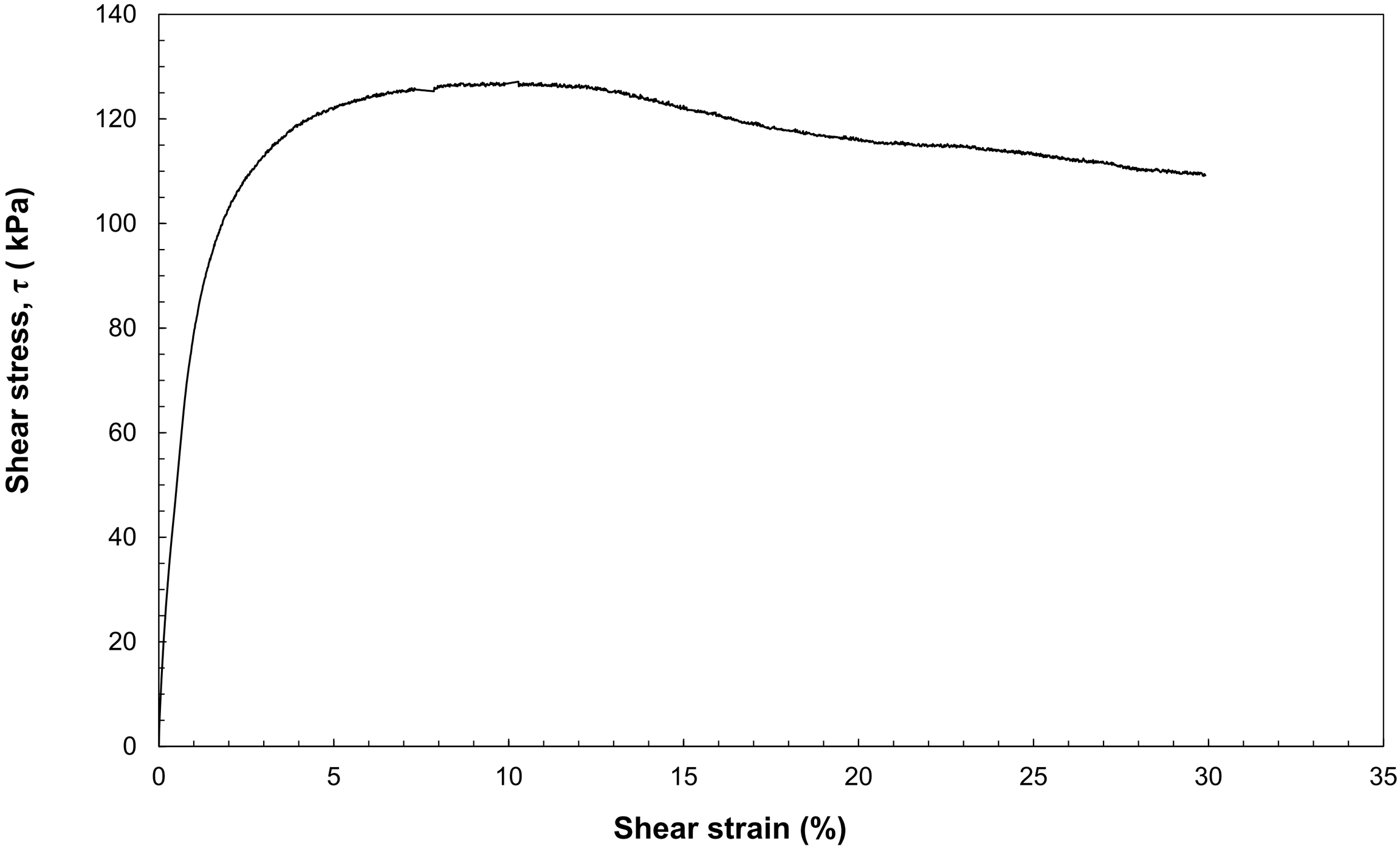

80
60
40
20
0
0
50
100
150
200
250
300
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 29.5o

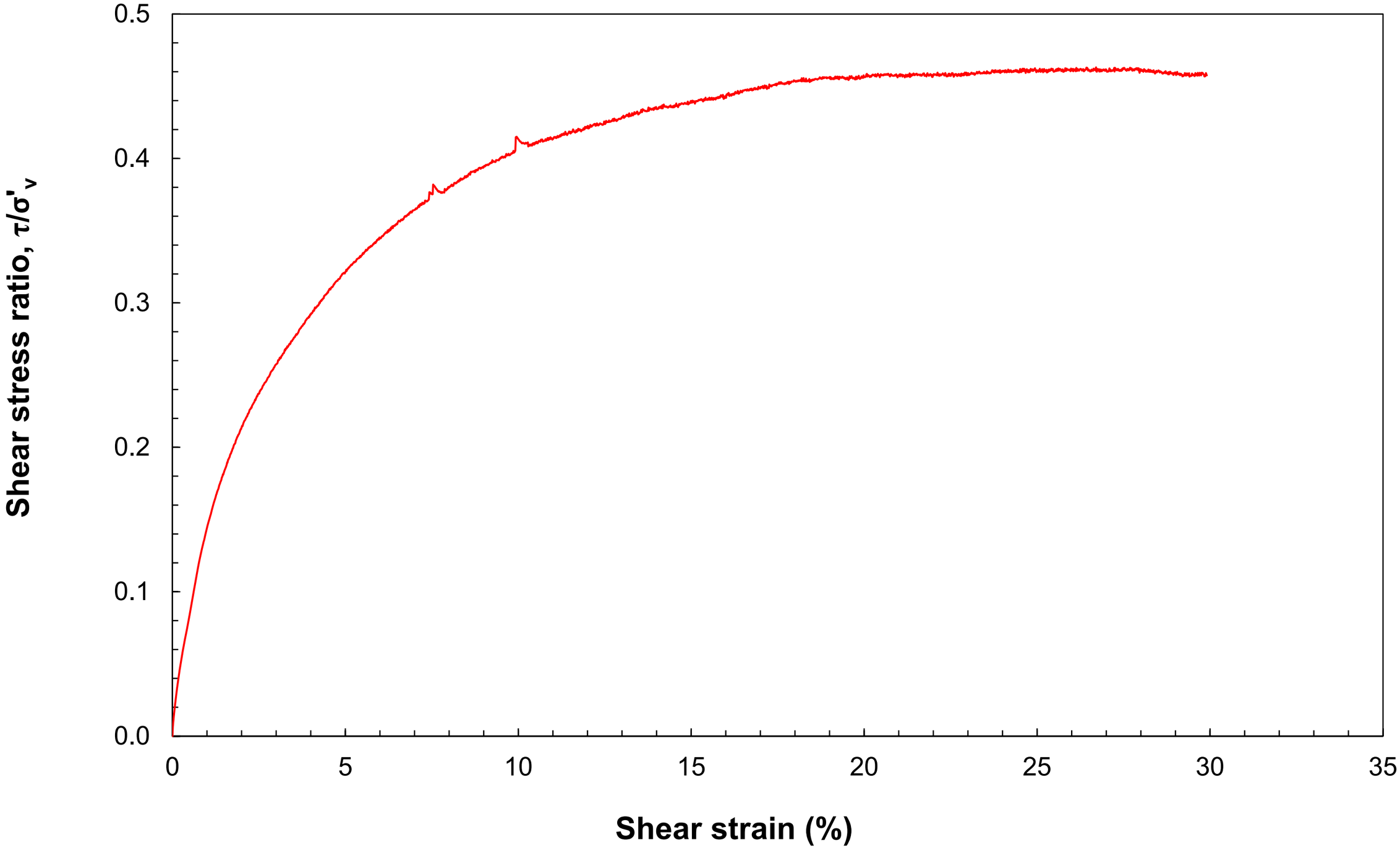

Shear stress, τ (kPa)
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

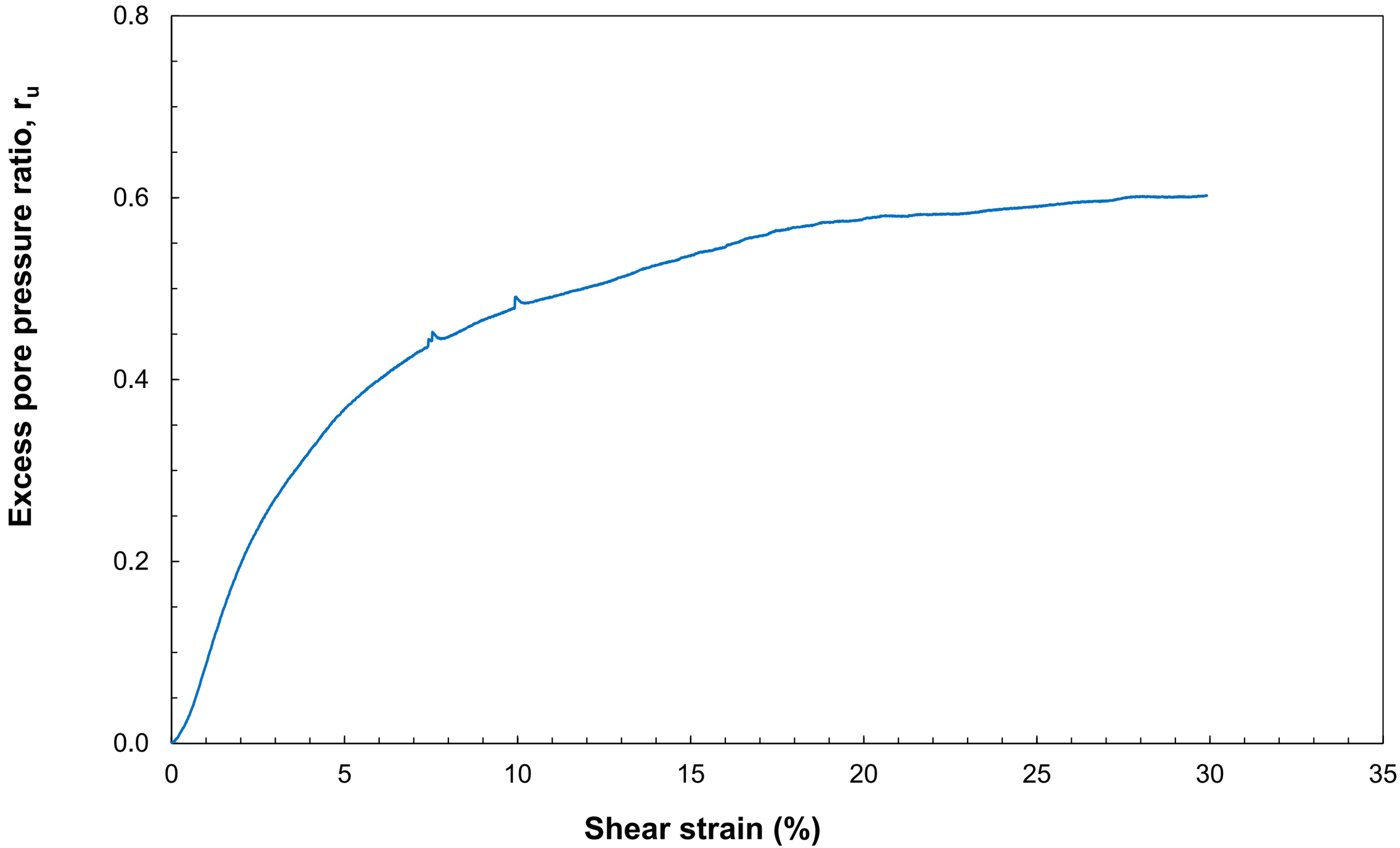

Shear stress ratio, τ/σ'v
0.5
0.4
0.3
0.2
0.1
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

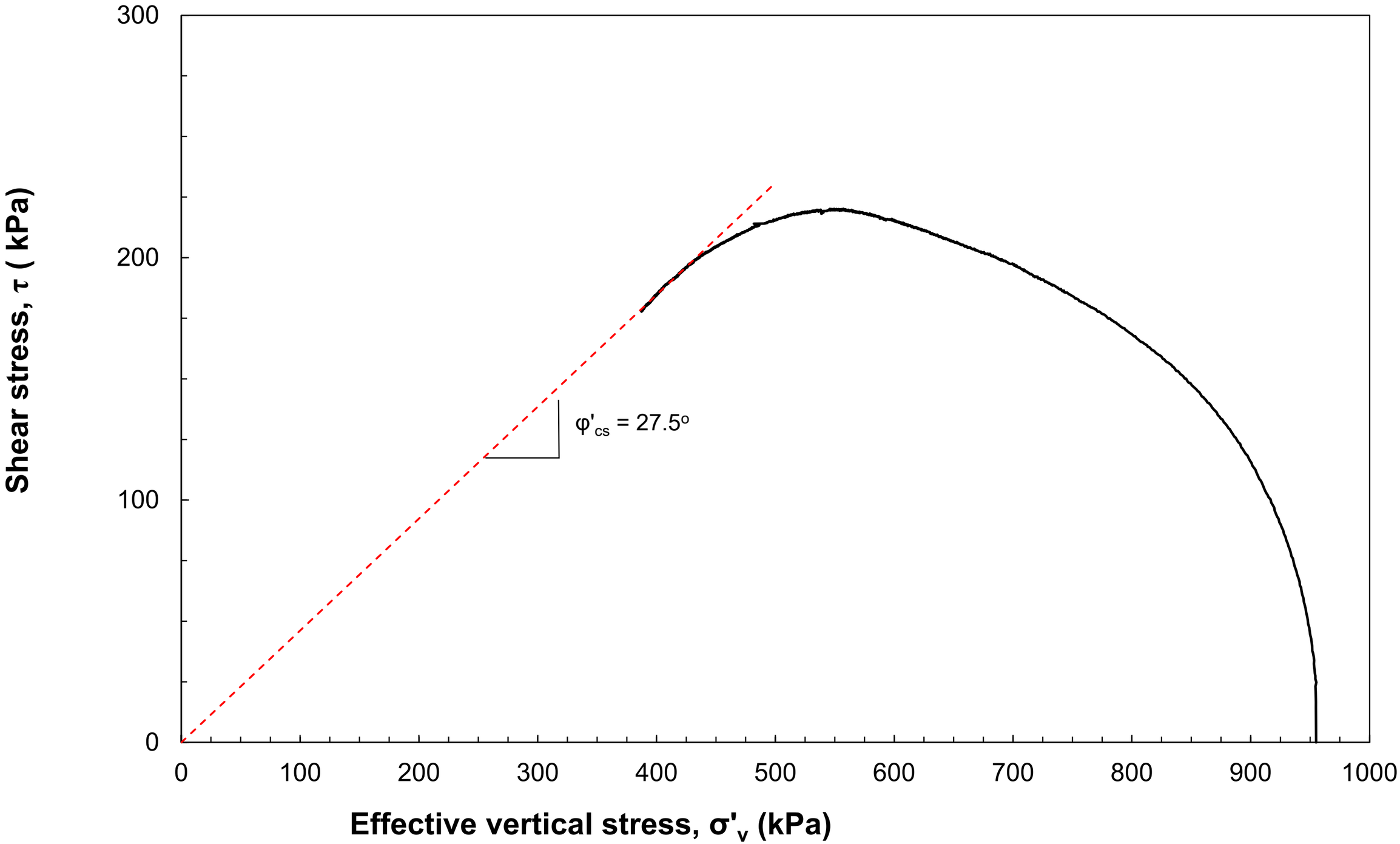

Excess pore pressure ratio, r_u
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

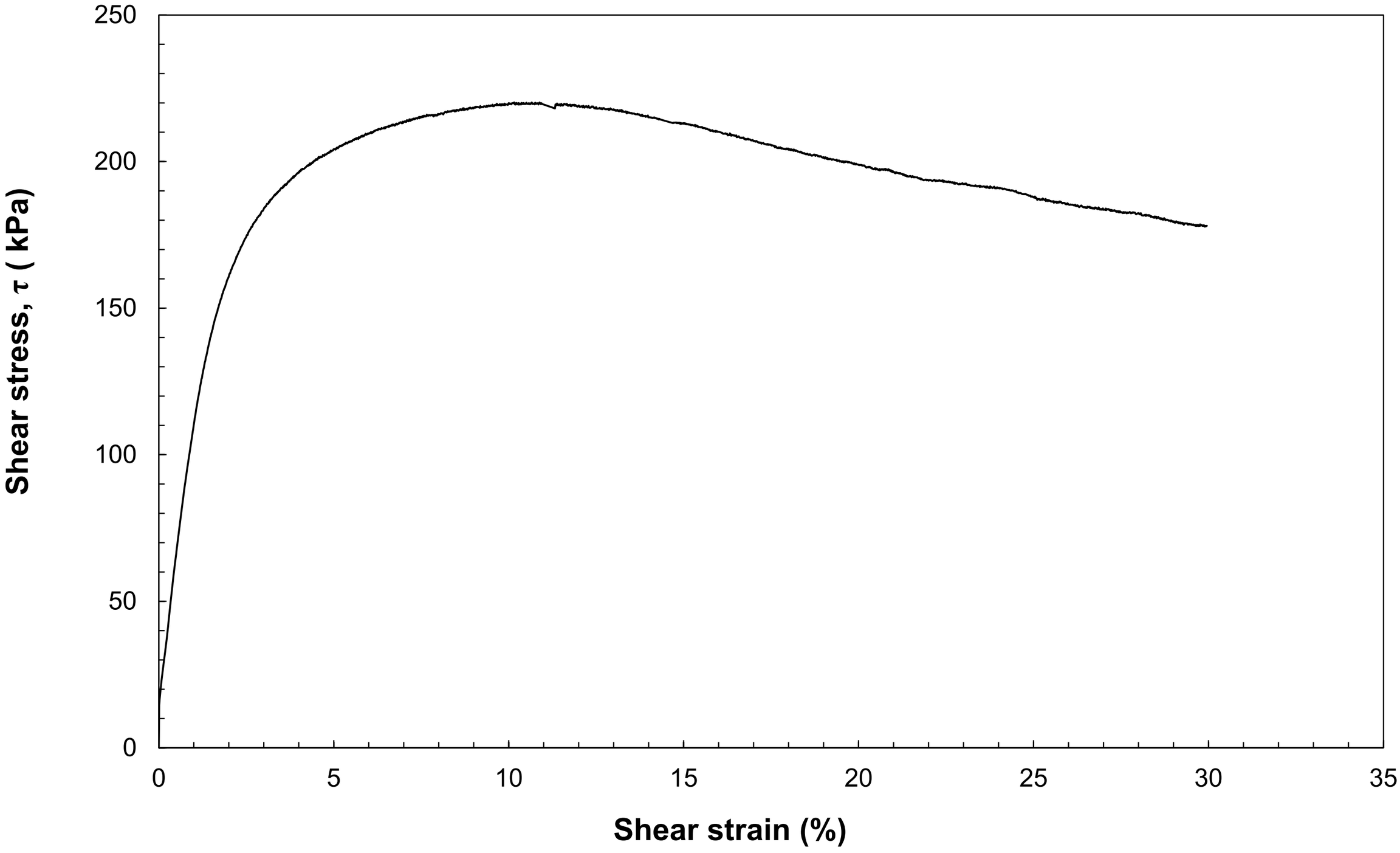

200
100
0
0
100
200
300
400
500
600
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 27.5o

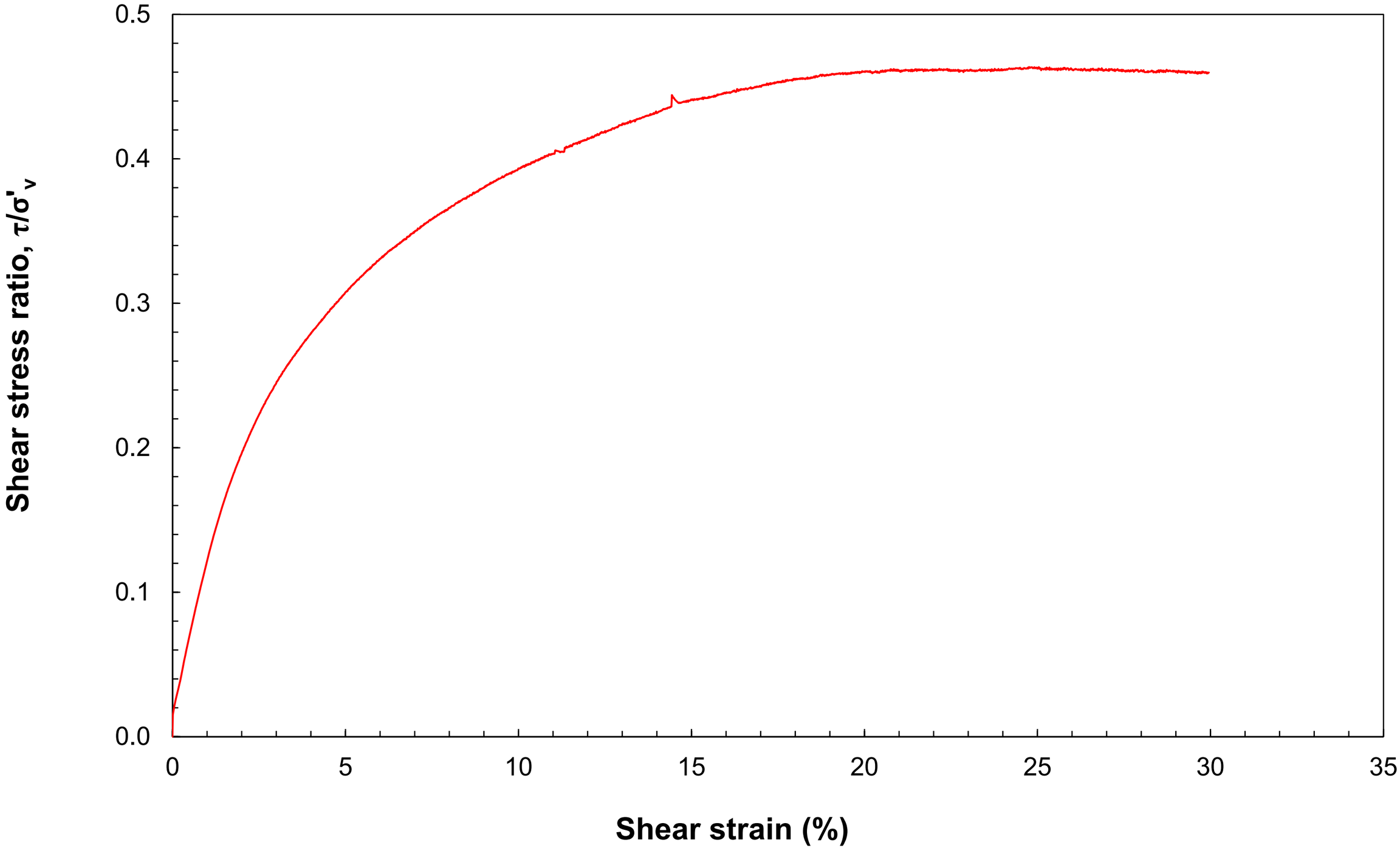

Shear stress, τ (kPa)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

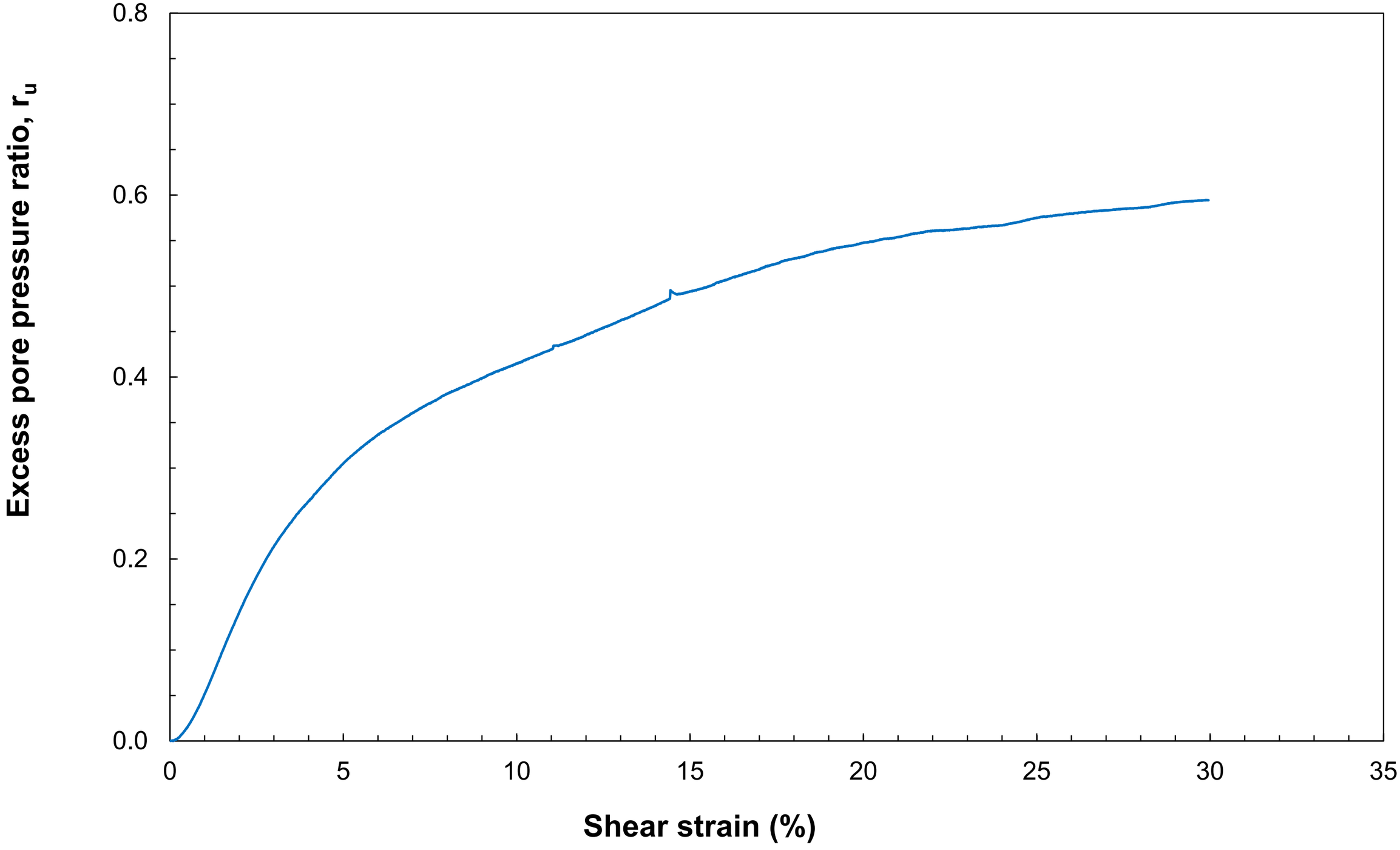

Shear stress ratio, τ/σ'v
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
20
25
30
35
Shear strain (%)

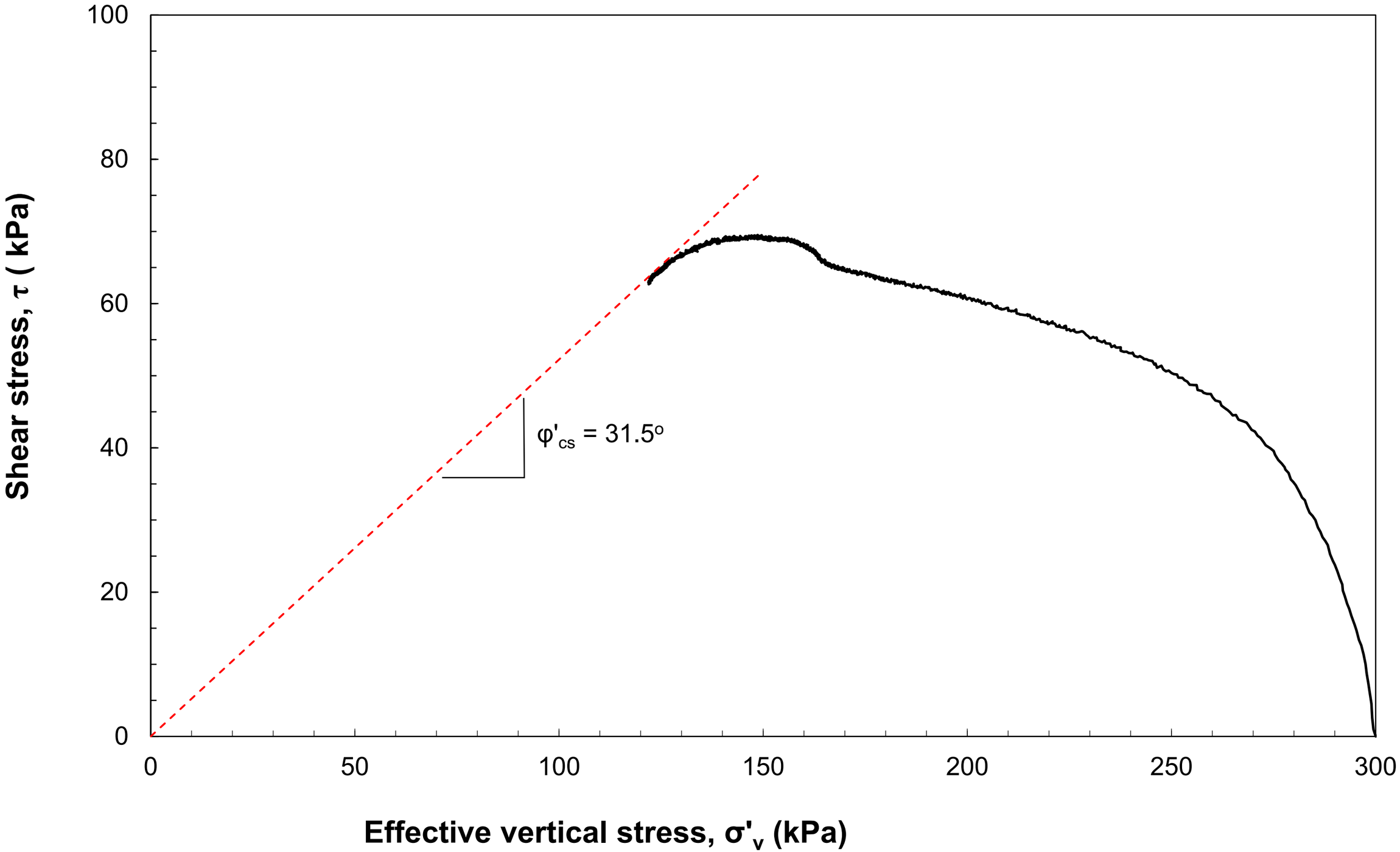

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

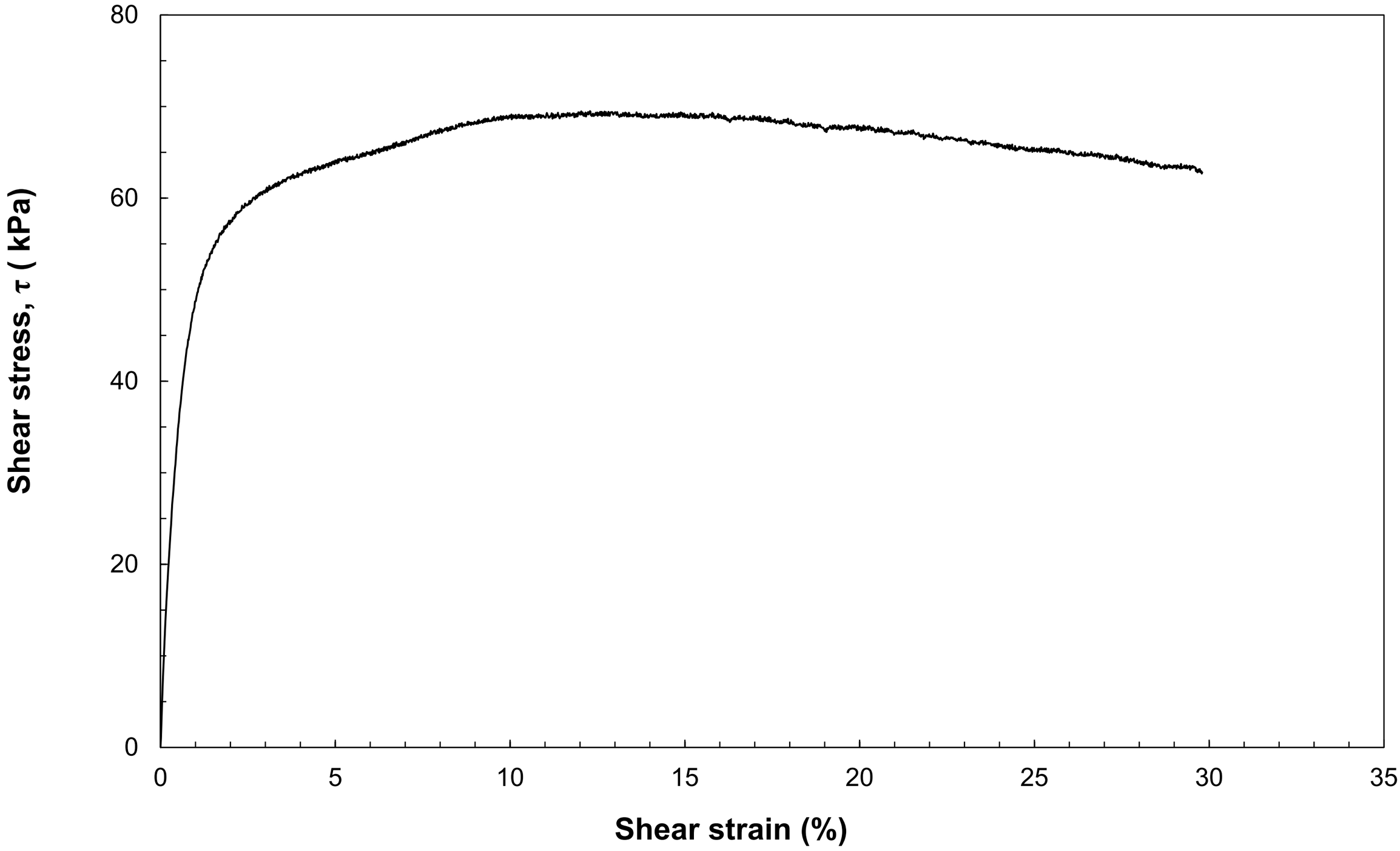

Shear stress, τ (kPa)
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
Effective vertical stress, σ'v (kPa)
φ'cs = 27.5°

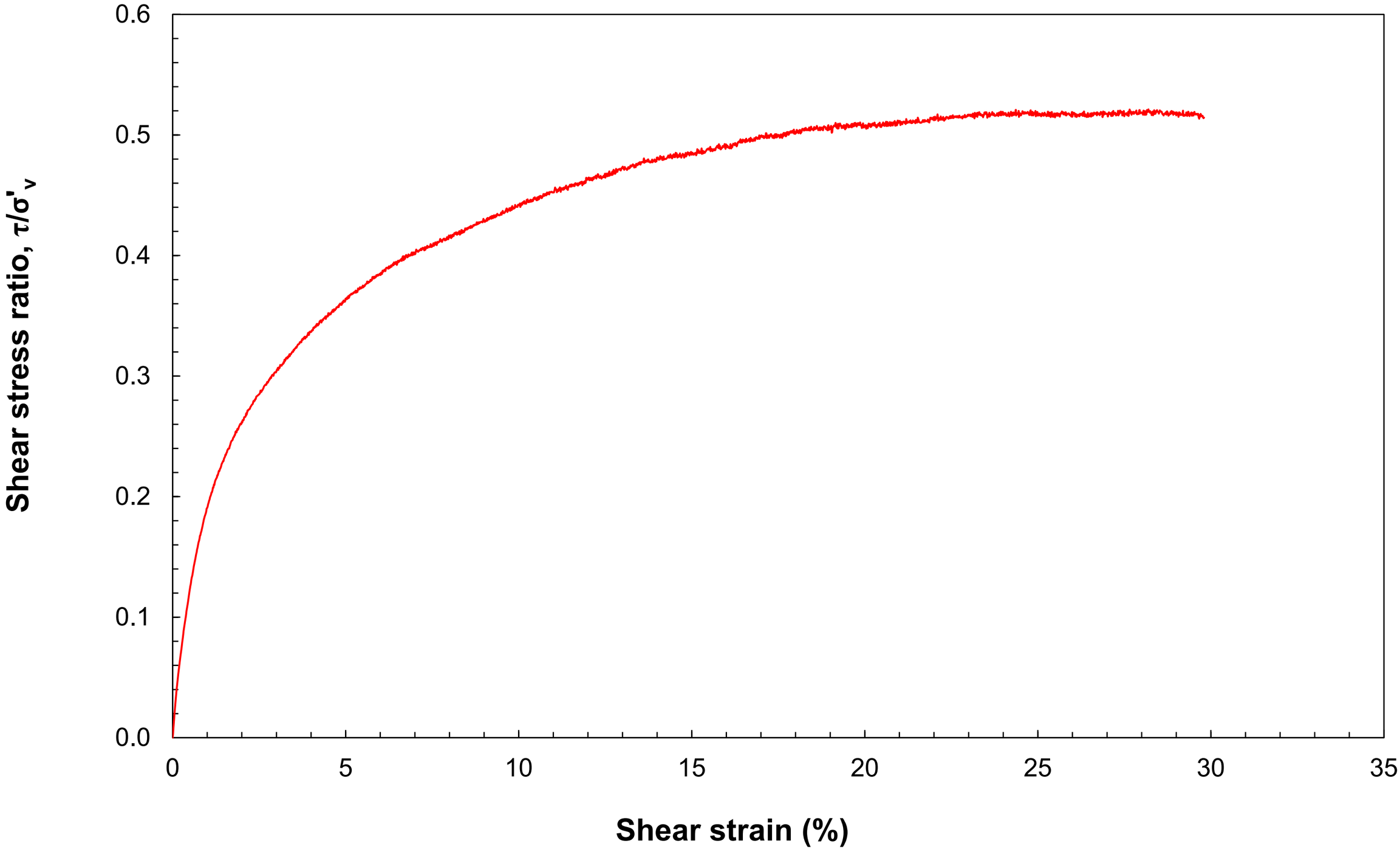

Shear stress, τ (kPa)
250
200
150
100
50
0
0
5
10
15
20
25
30
35
Shear strain (%)

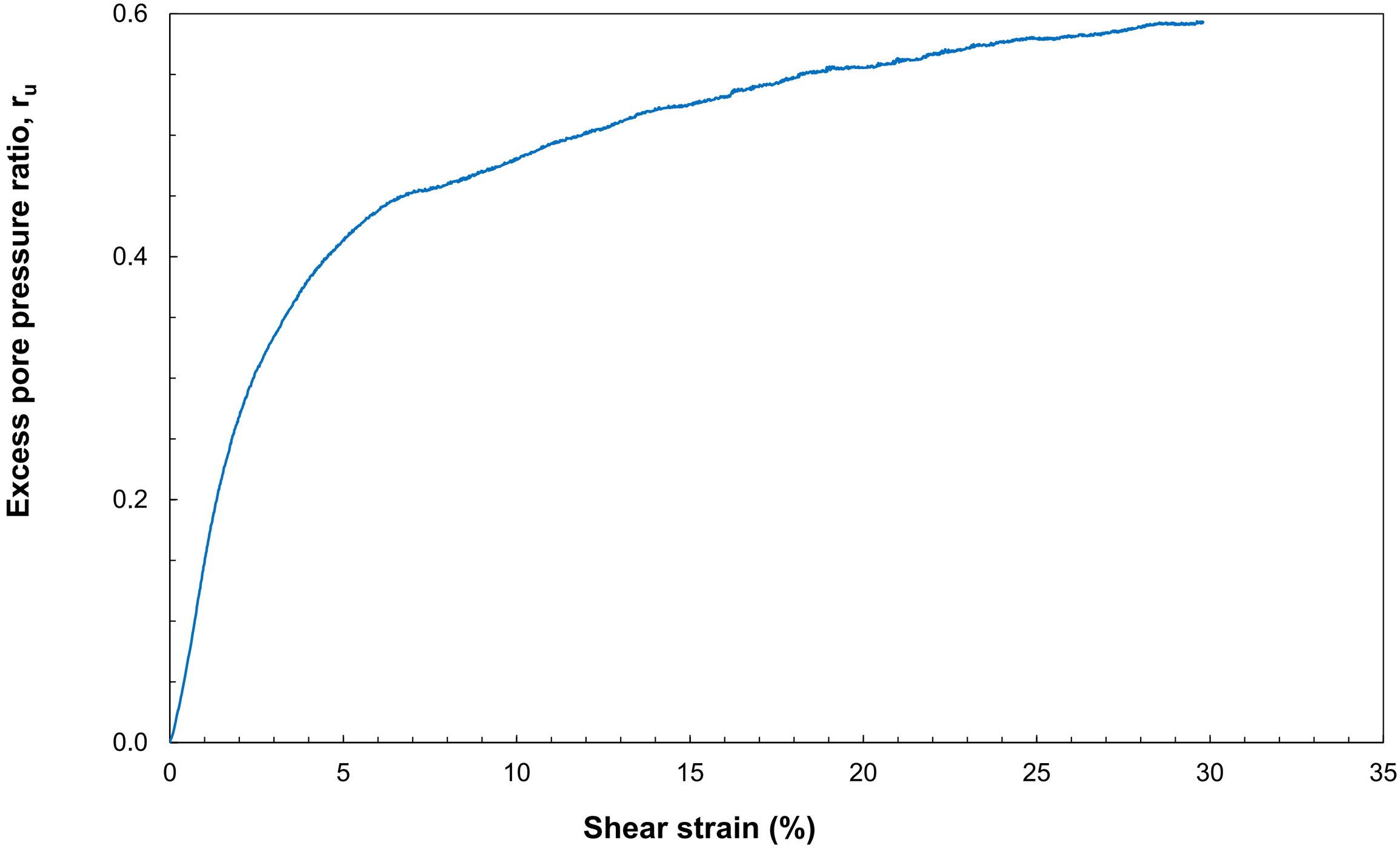

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

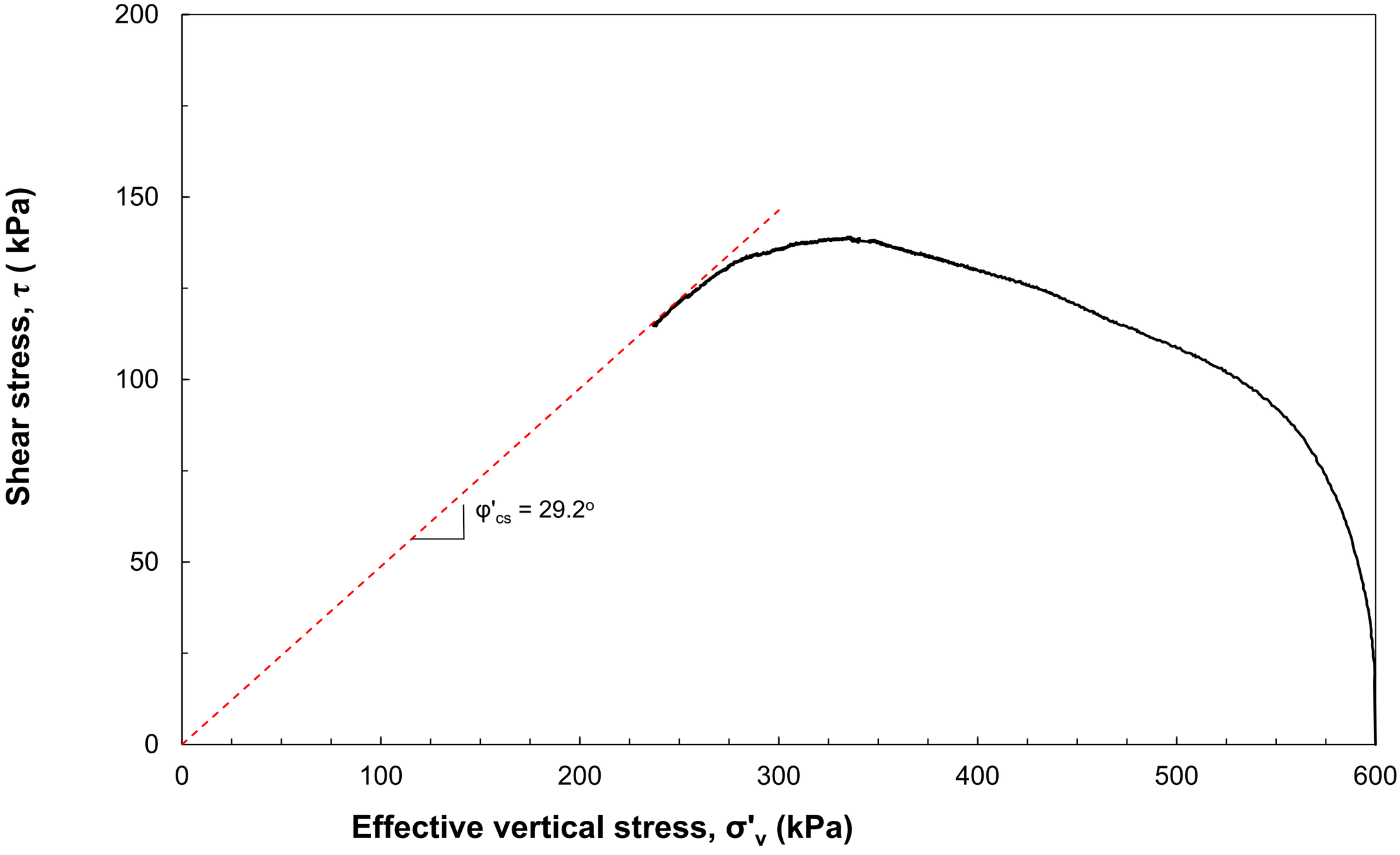

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

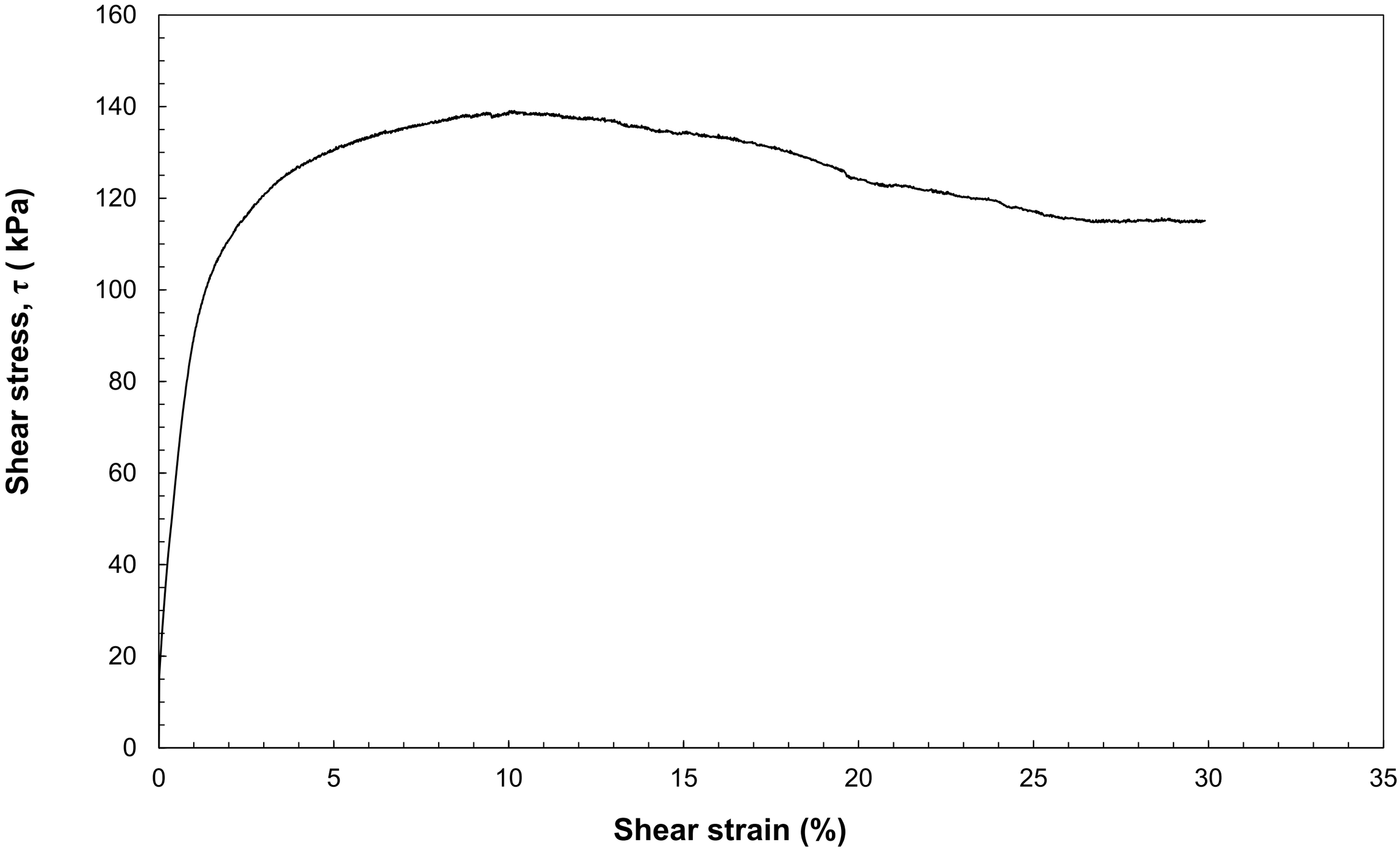

Shear stress, τ (kPa)
100
80
60
40
20
0
0
50
100
150
200
250
300
φ'cs = 31.5o
Effective vertical stress, σ'v (kPa)

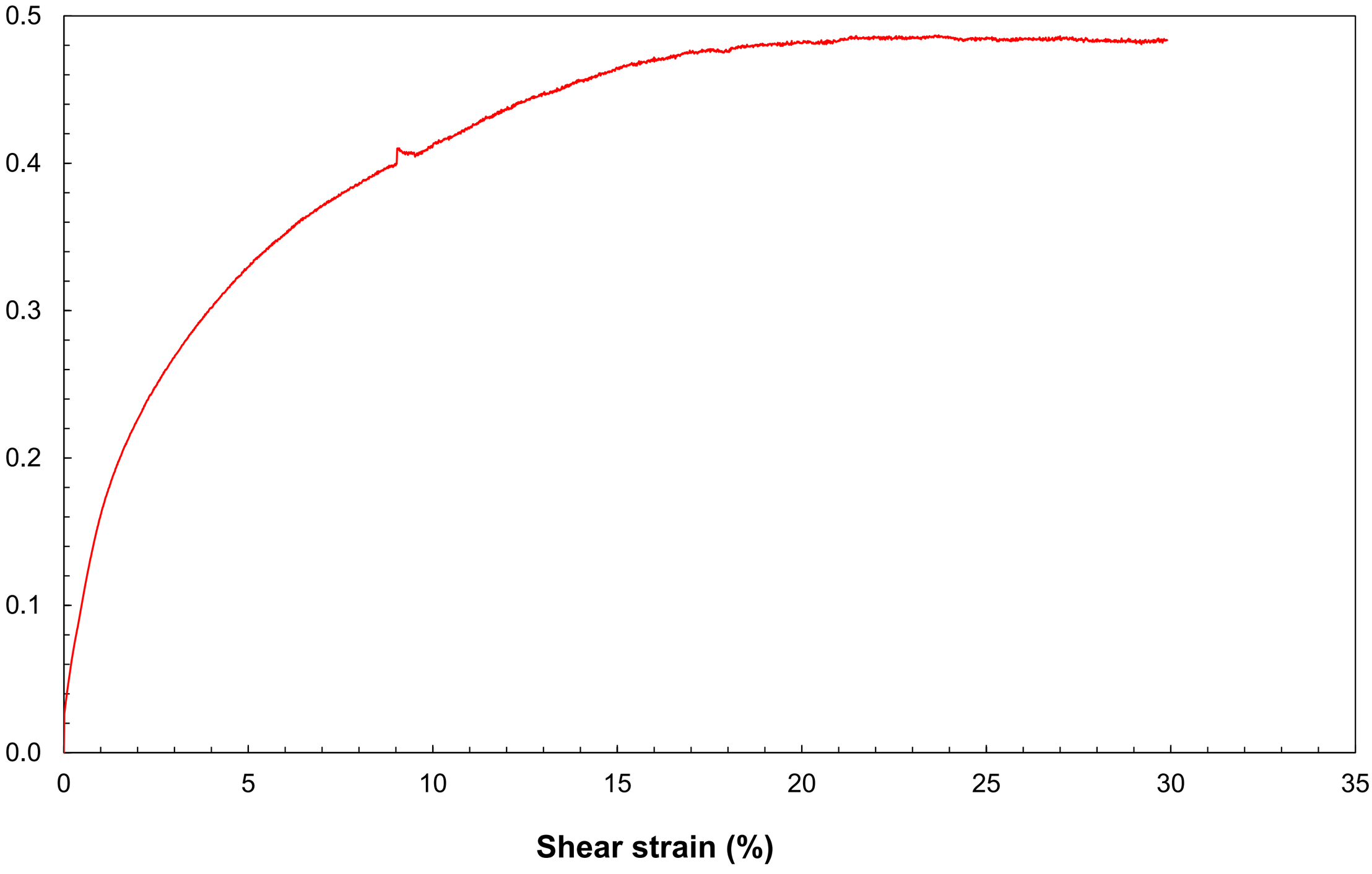

Shear stress, τ (kPa)
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

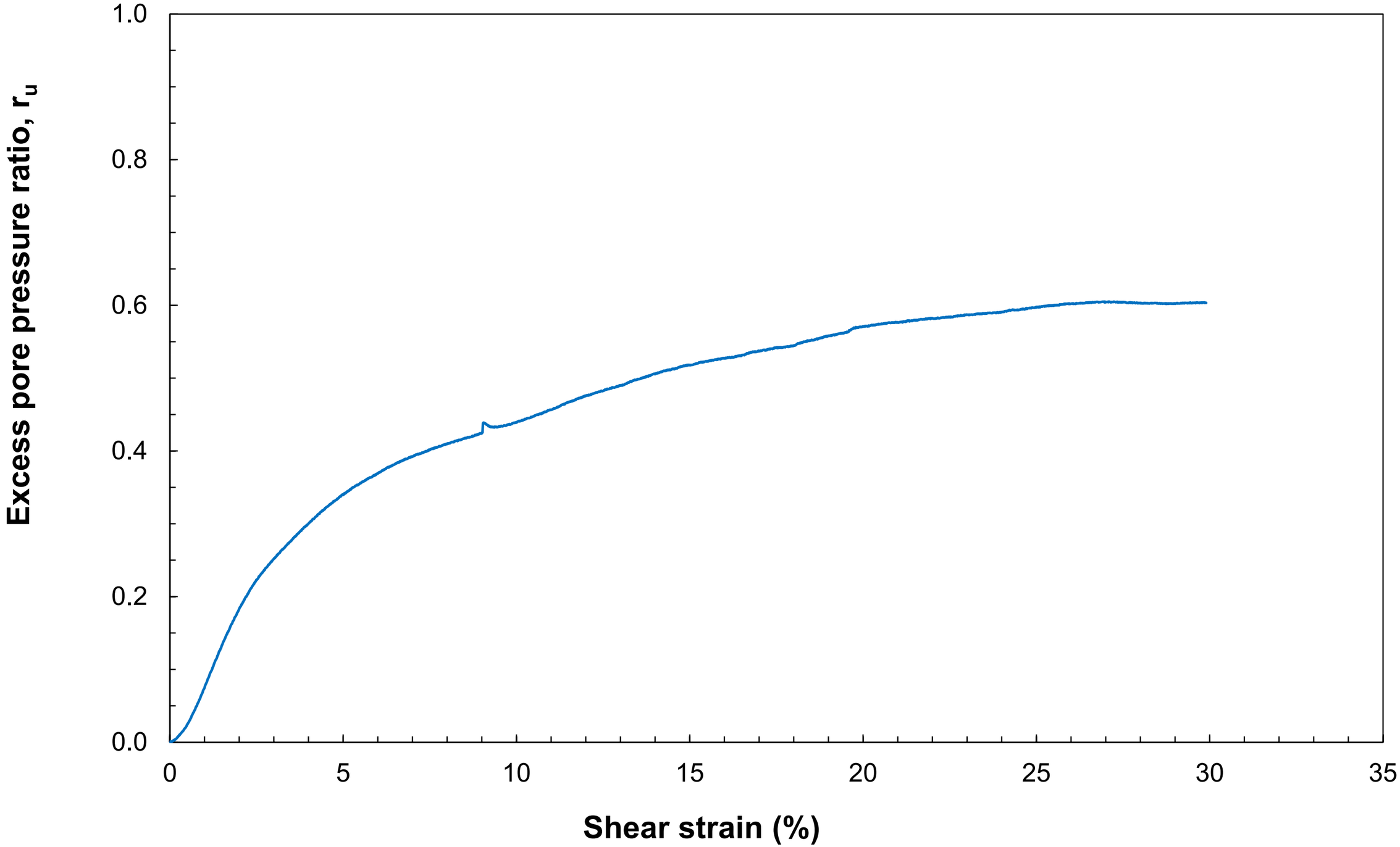

Shear stress ratio, τ/σ'v
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
5
10
15
20
25
30
35
Shear strain (%)

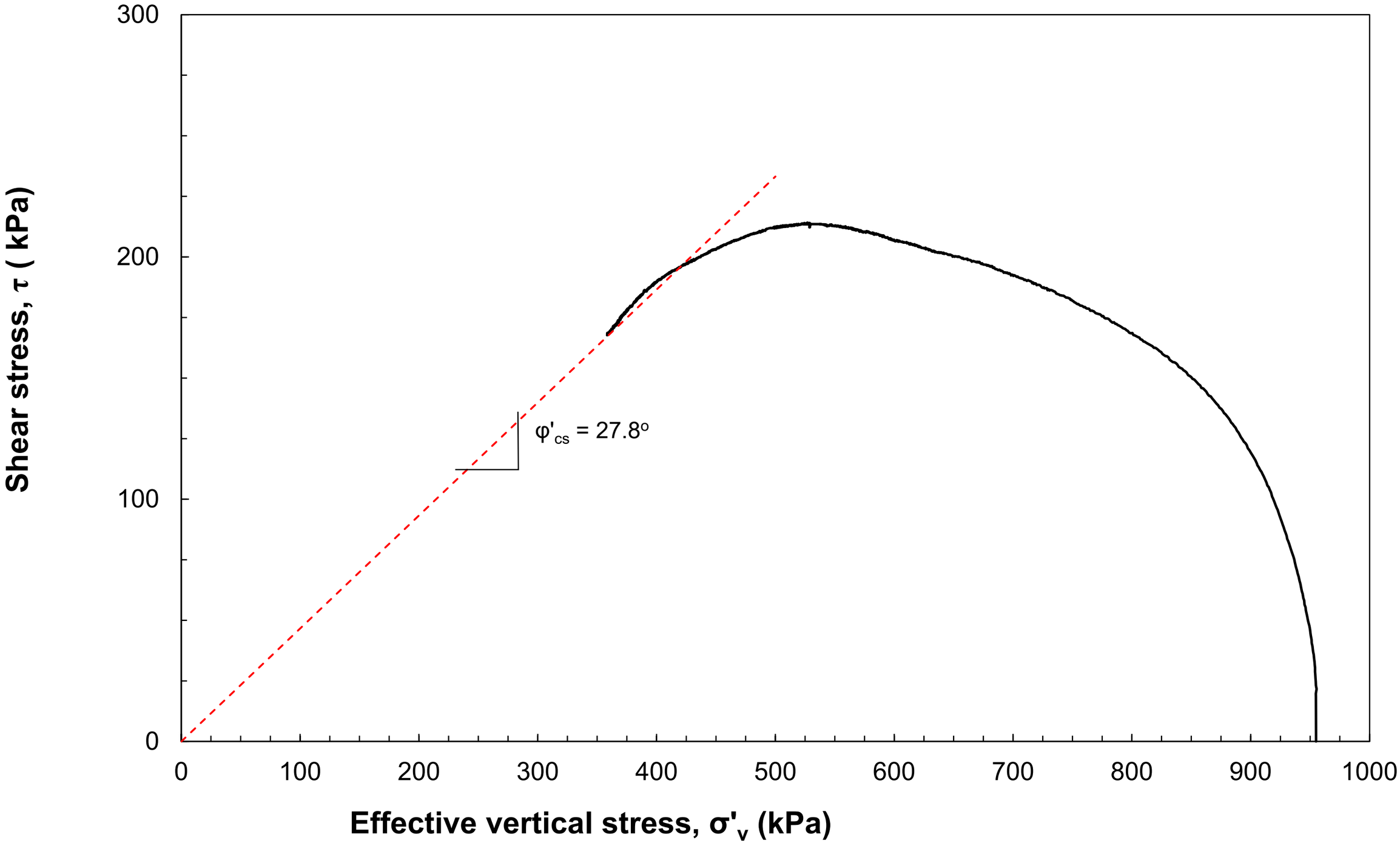

Excess pore pressure ratio, r_u
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

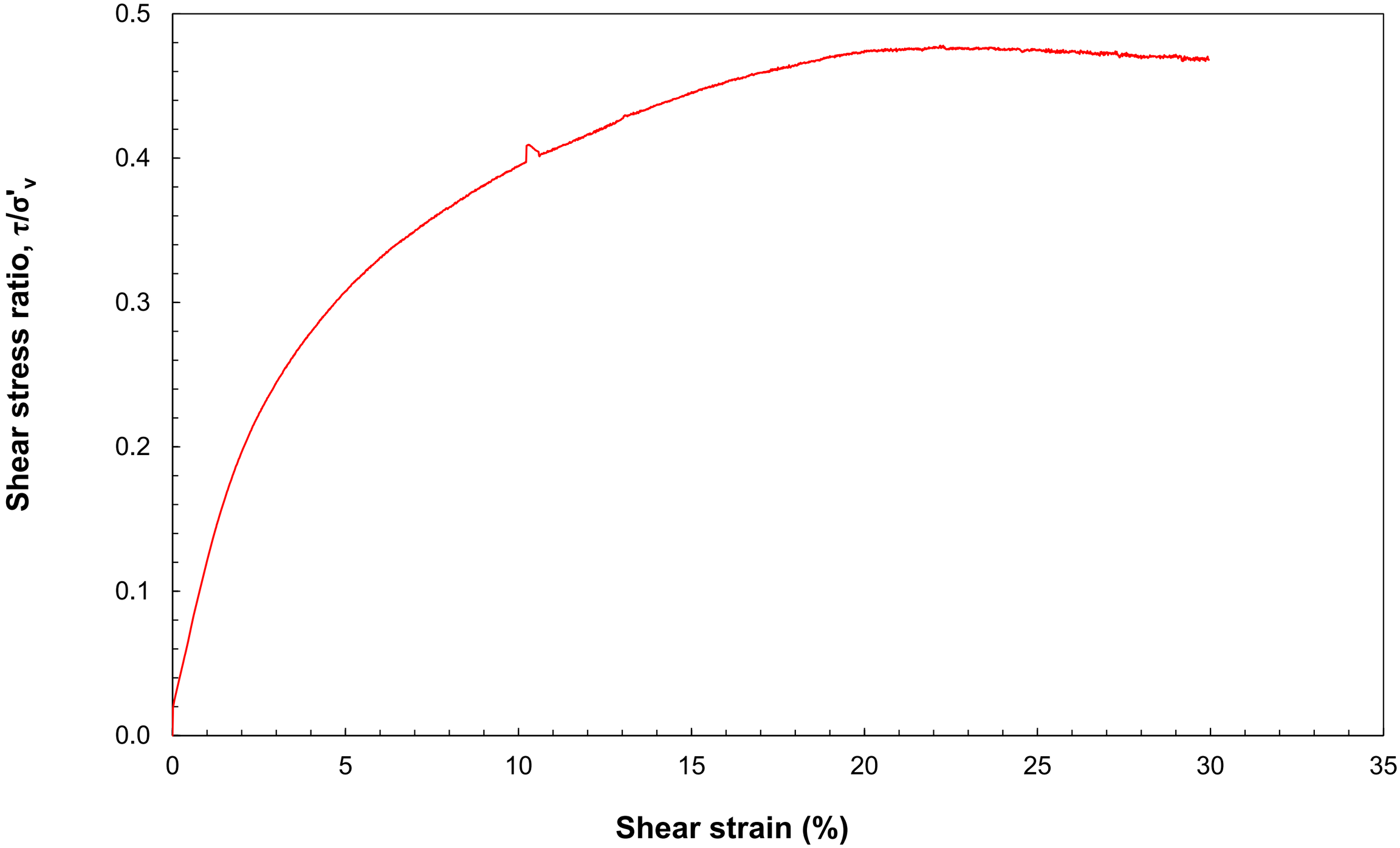

200
150
100
50
0
0
100
200
300
400
500
600
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 29.2o

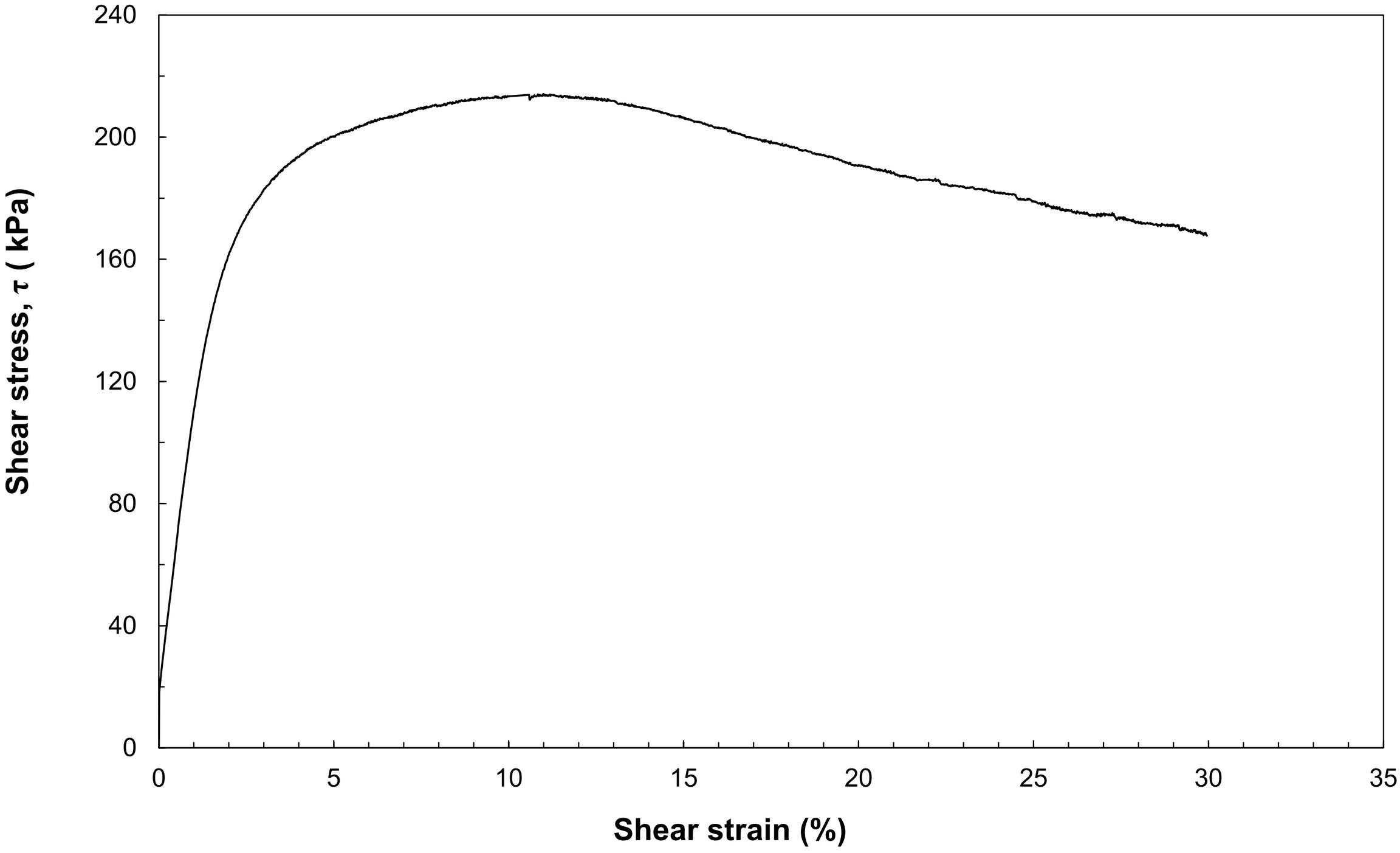

Shear stress, τ (kPa)
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

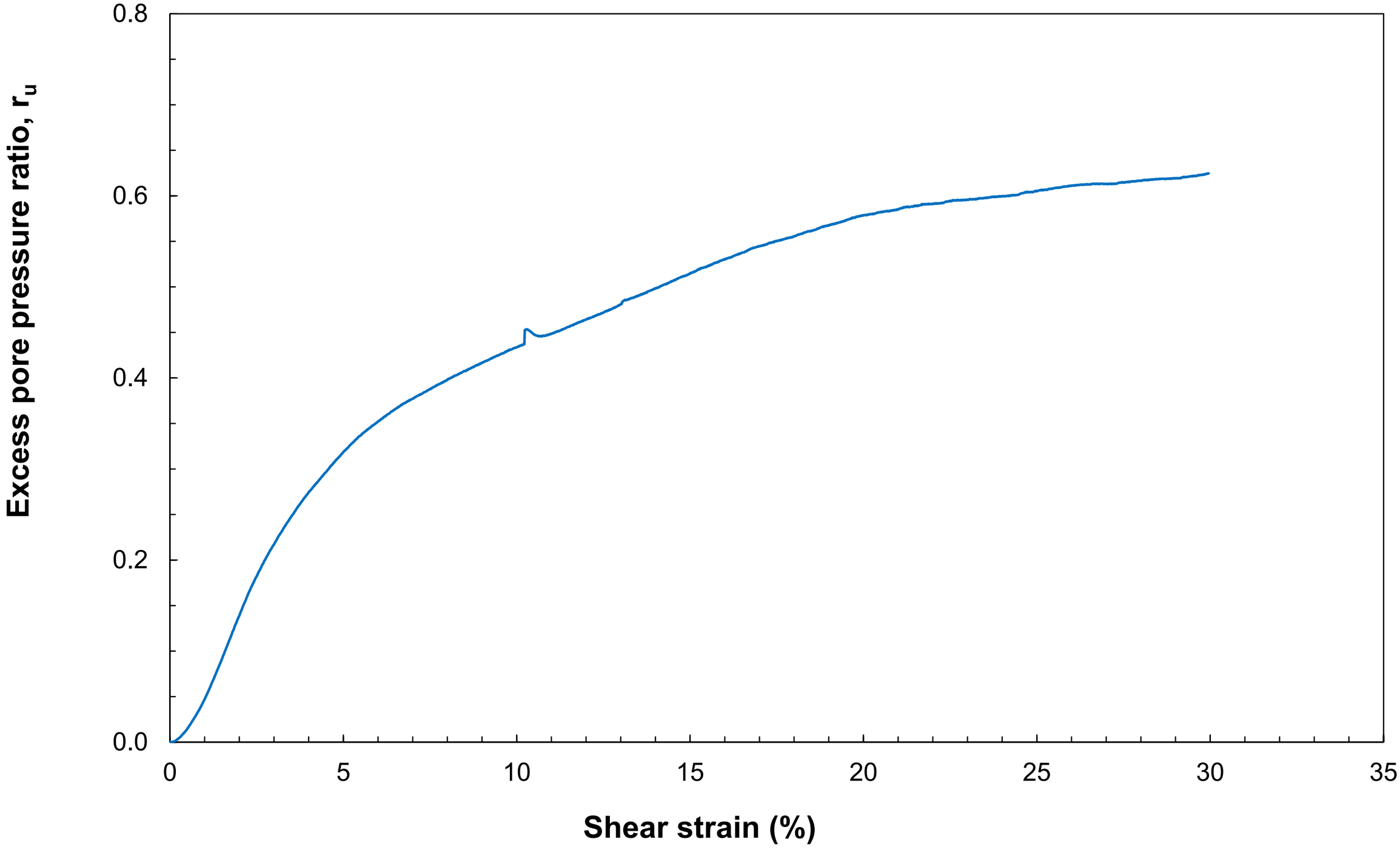

0.5
0.4
0.3
0.2
0.1
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

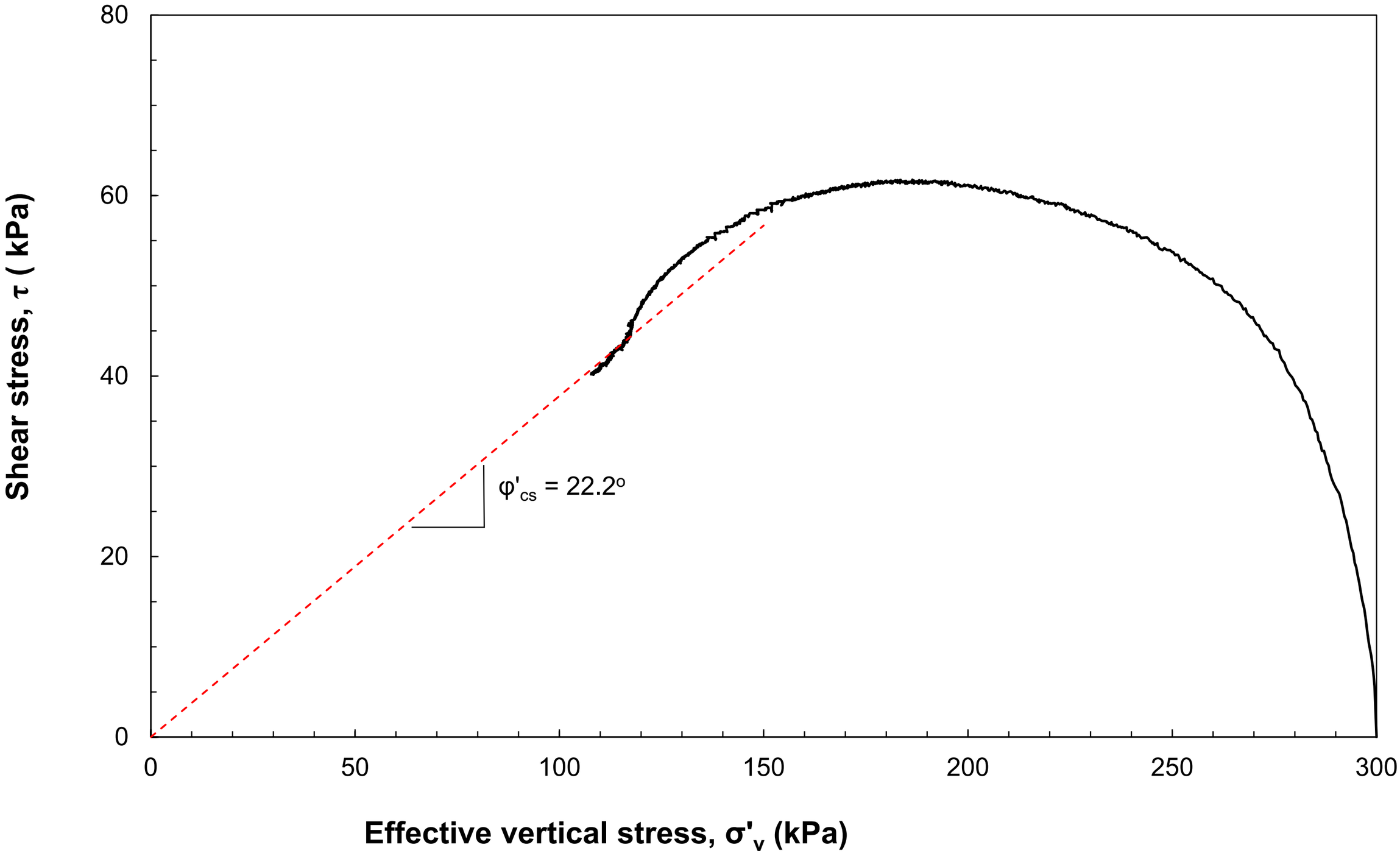

Excess pore pressure ratio, r_u
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

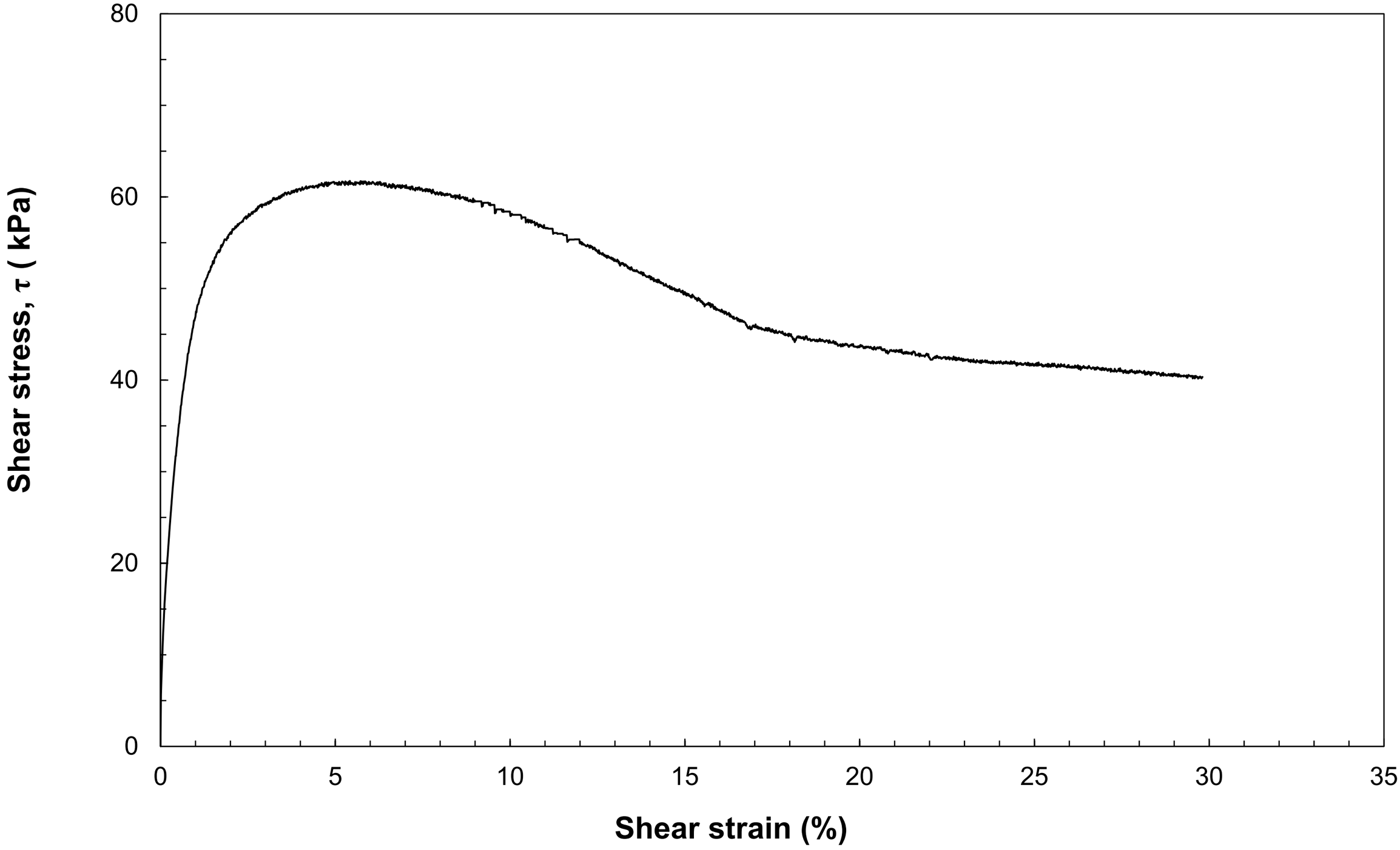

Shear stress, τ (kPa)
300
200
100
0
φ'cs = 27.8o
0
100
200
300
400
500
600
700
800
900
1000
Effective vertical stress, σ'v (kPa)

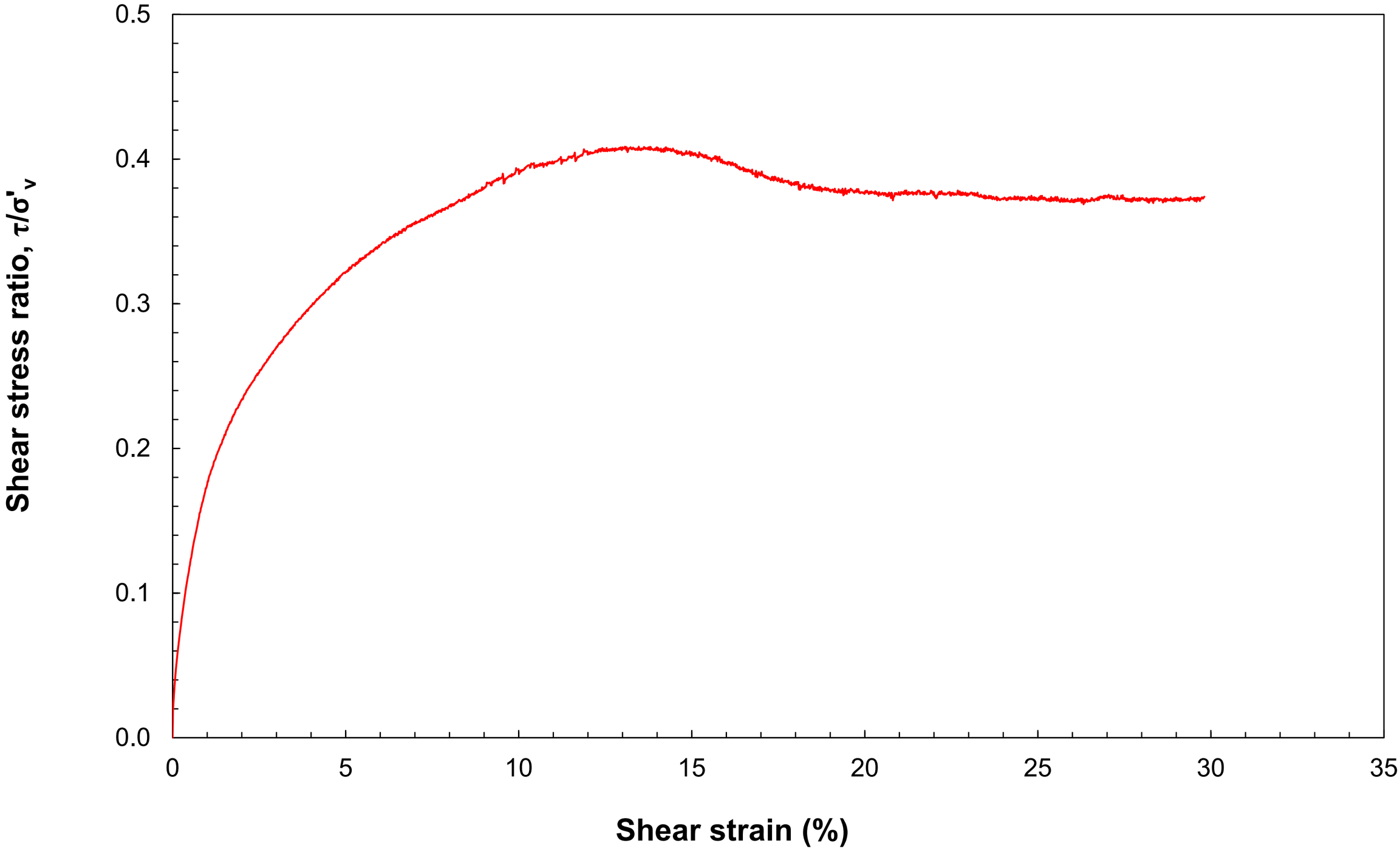

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

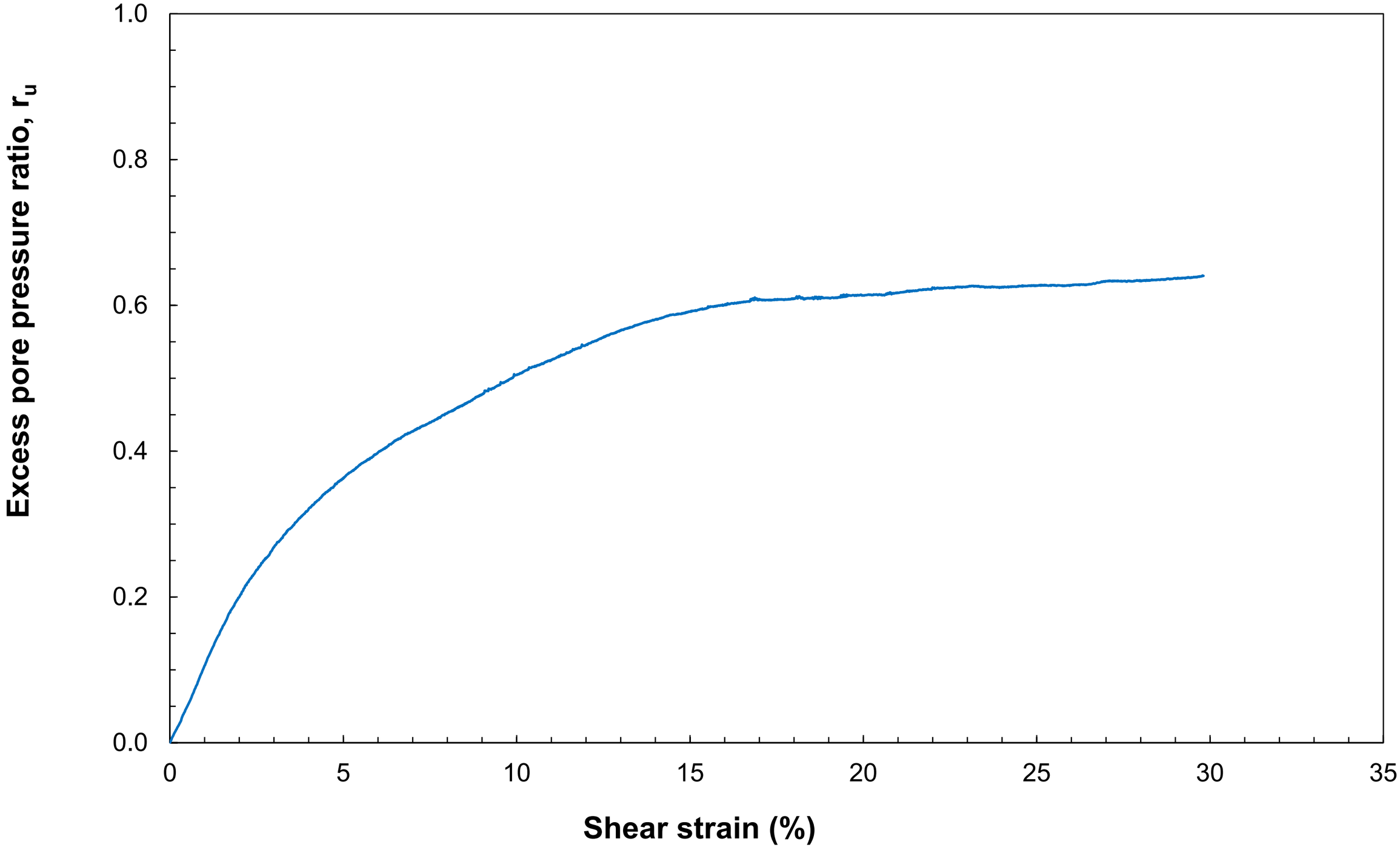

240
200
160
120
80
40
0
Shear stress, τ (kPa)
0
5
10
15
20
25
30
35
Shear strain (%)

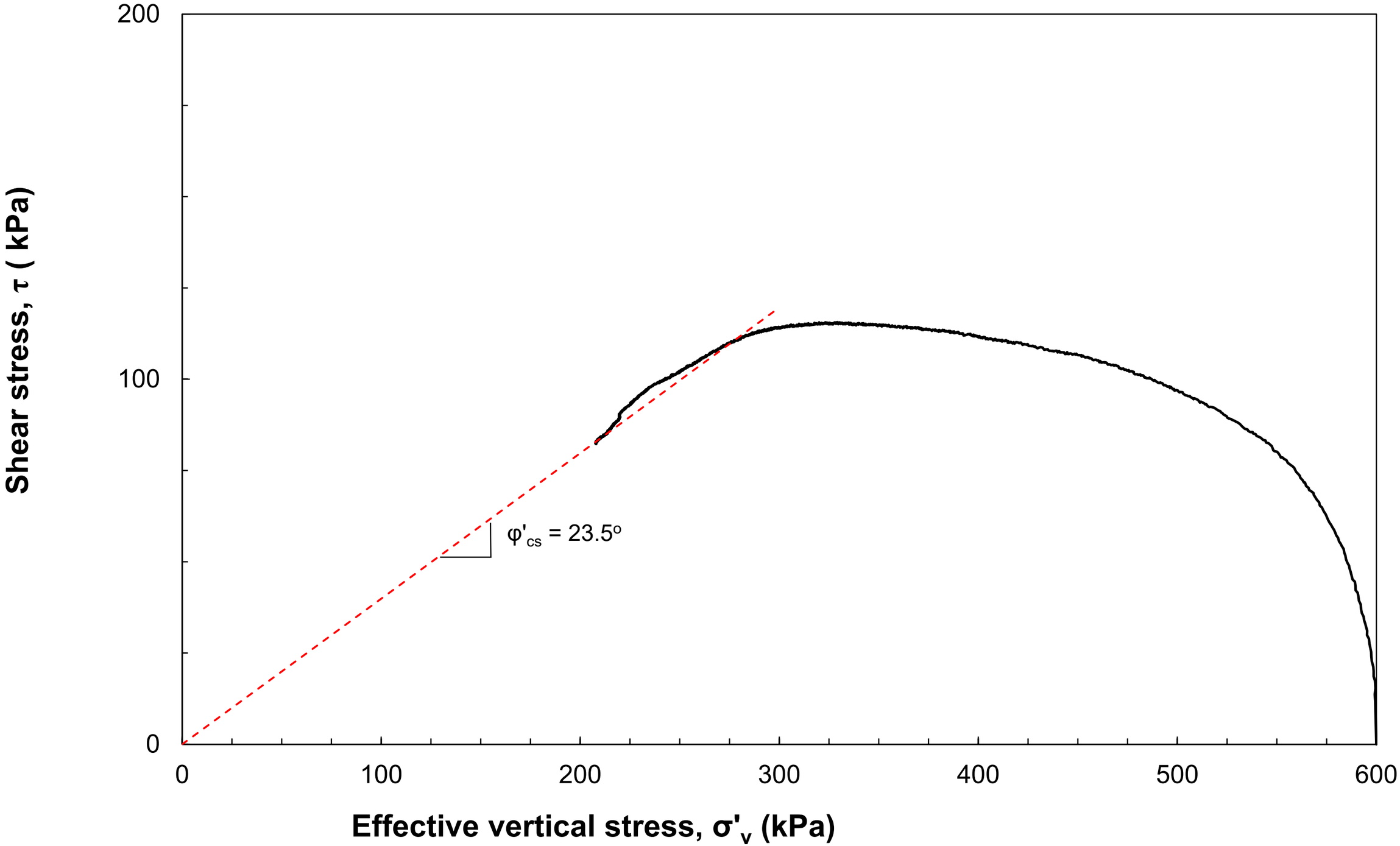

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

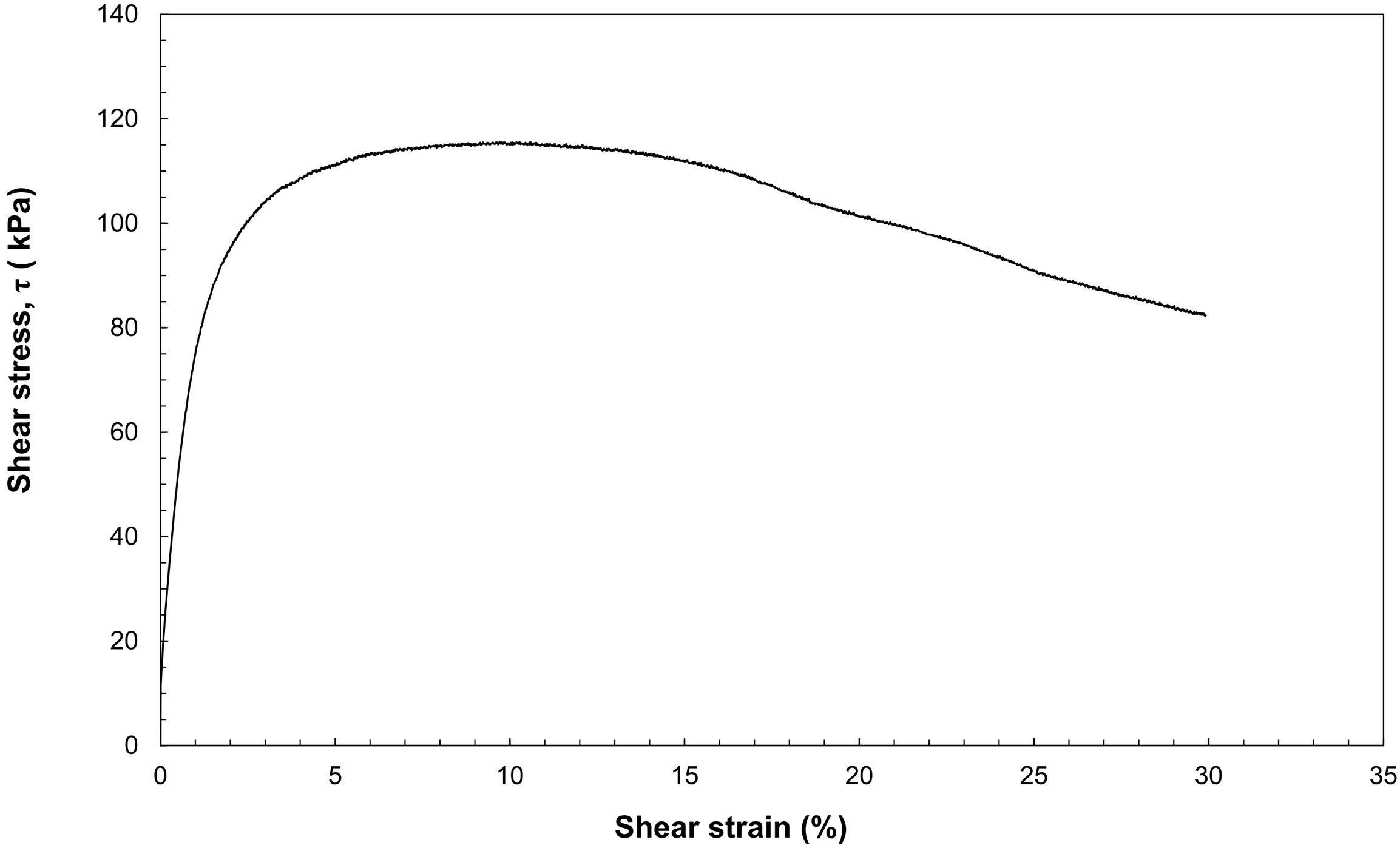

80
60
40
20
0
0
50
100
150
200
250
300
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 22.2o

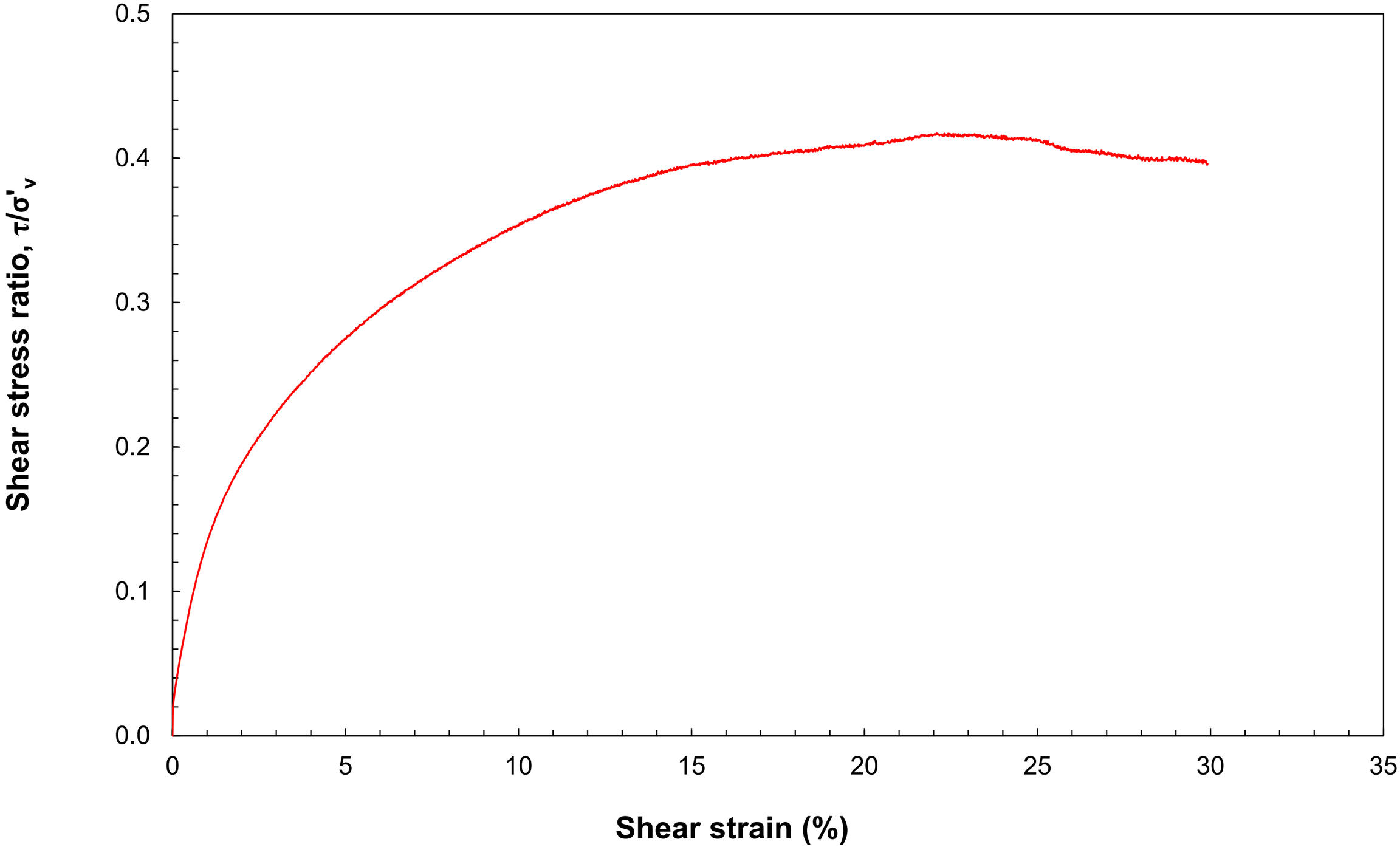

Shear stress, τ (kPa)
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

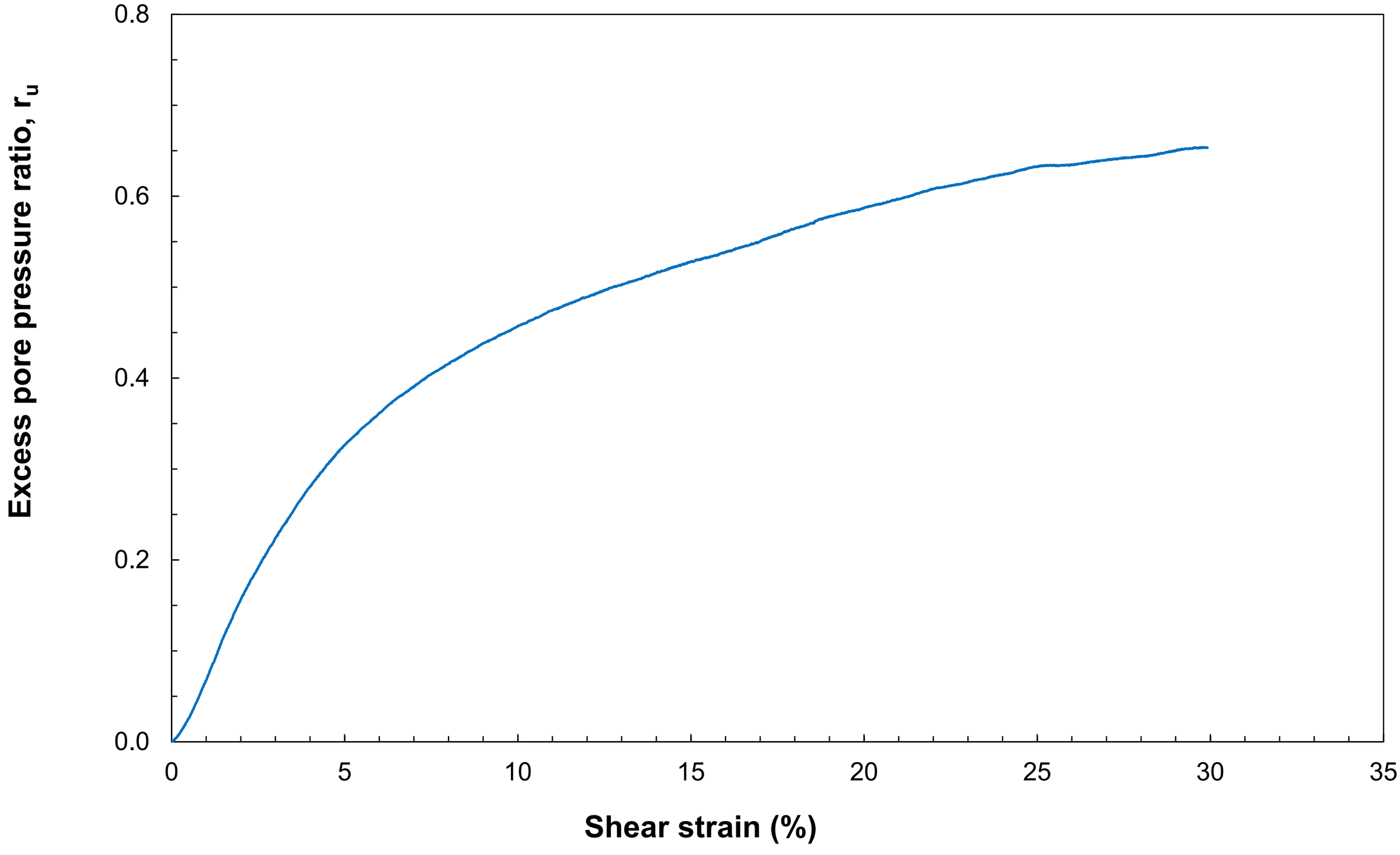

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

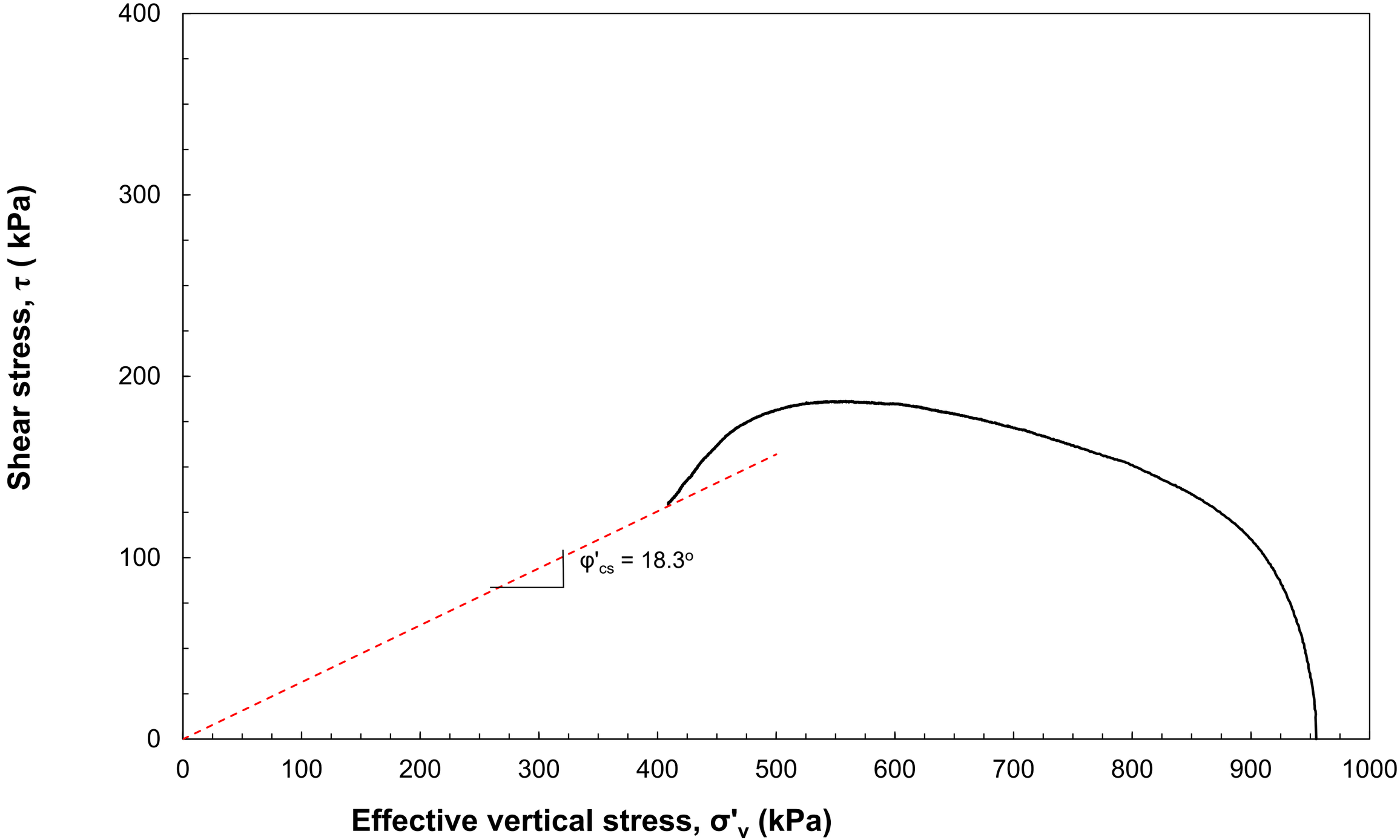

Excess pore pressure ratio, r_u
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

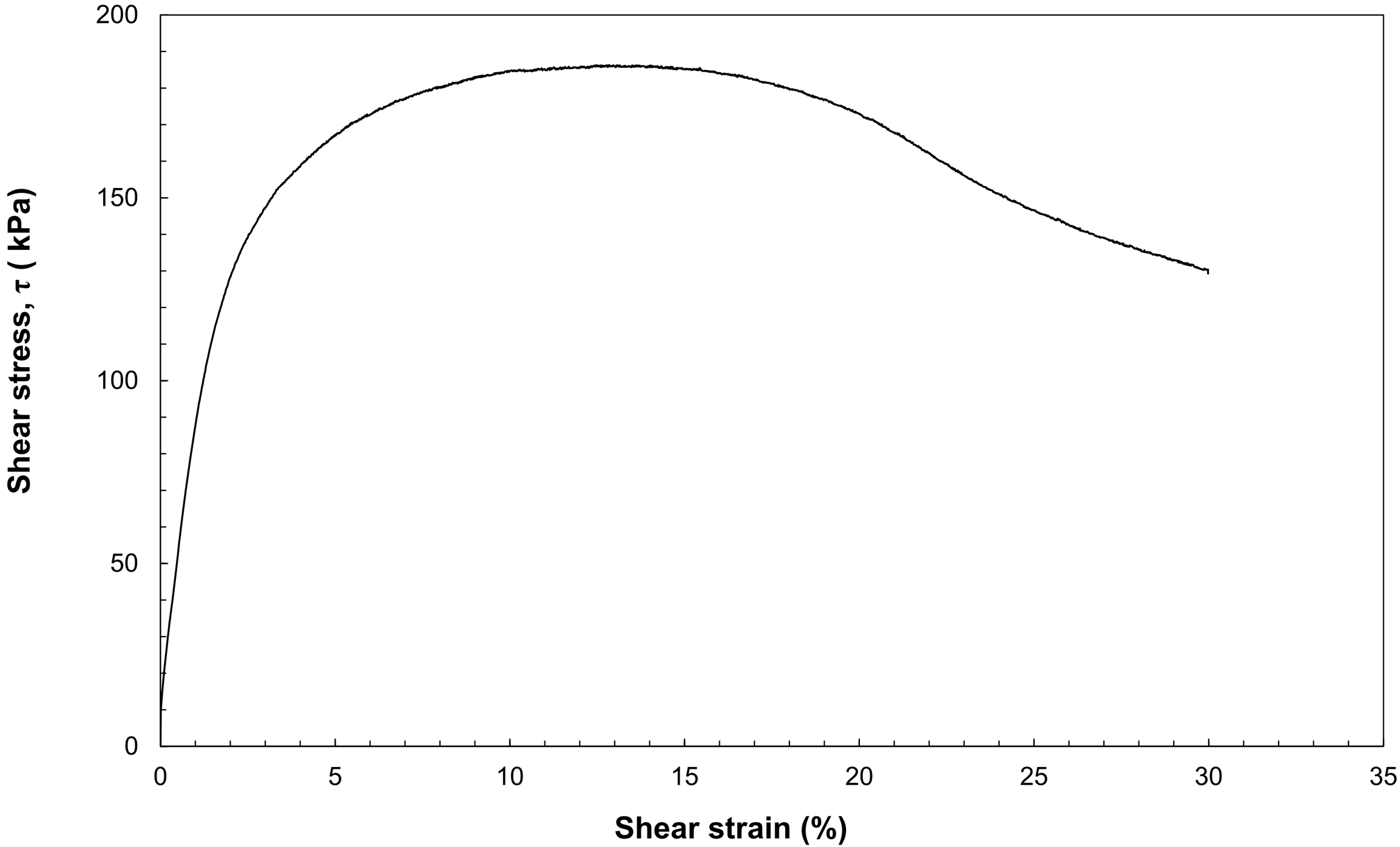

200
100
0
0
100
200
300
400
500
600
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 23.5o

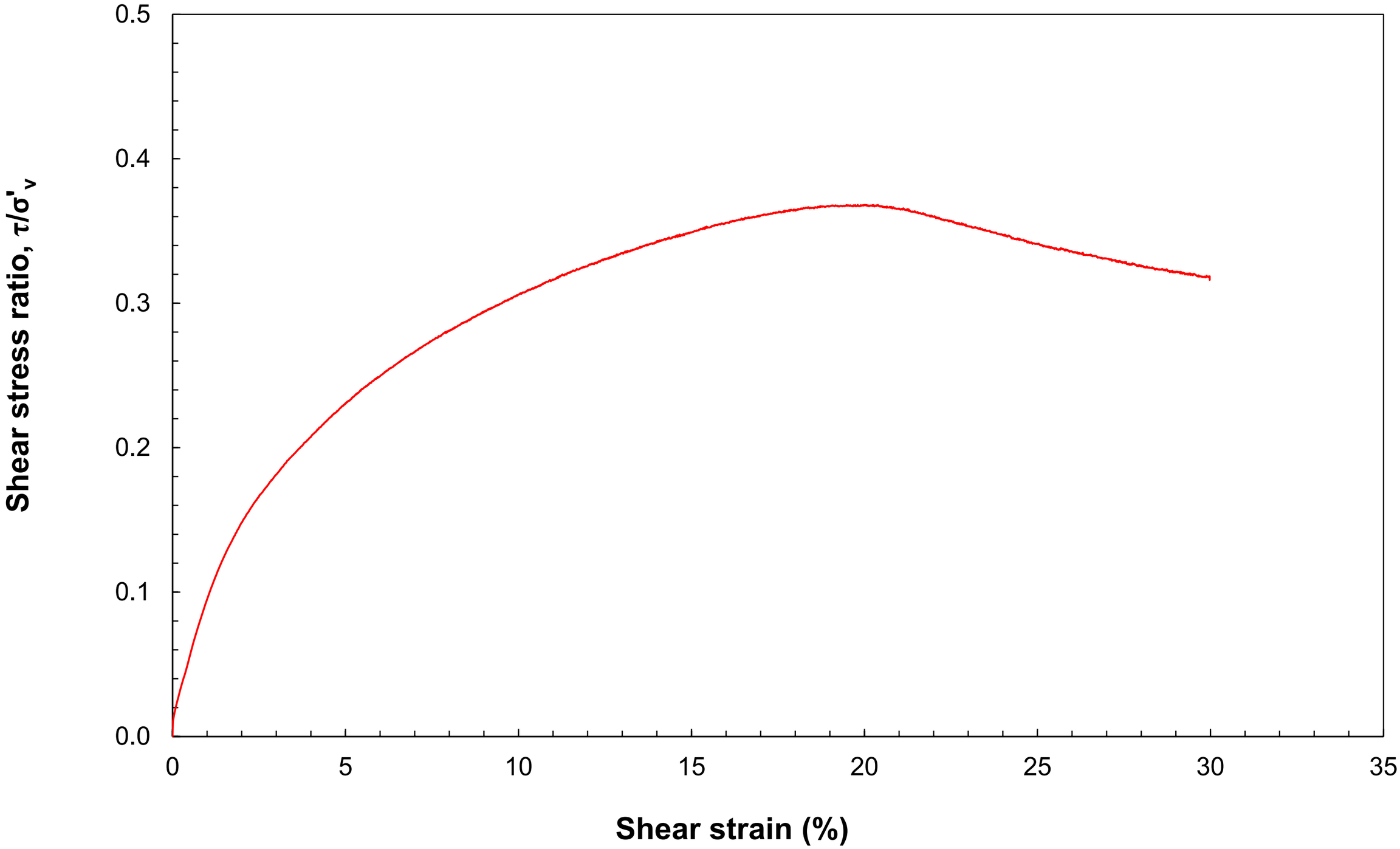

Shear stress, τ (kPa)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

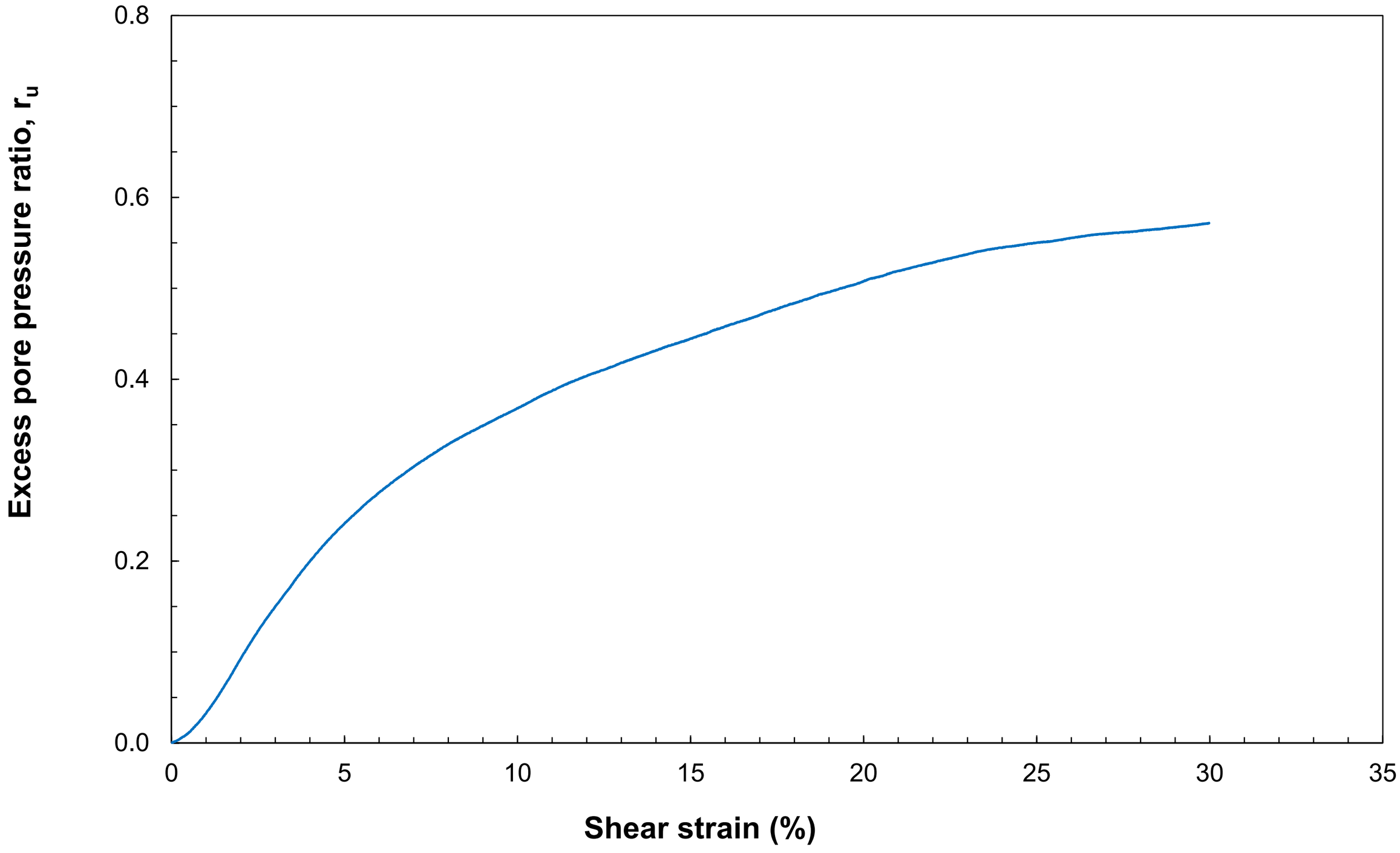

Shear stress ratio, τ/σ'v
0.5
0.4
0.3
0.2
0.1
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

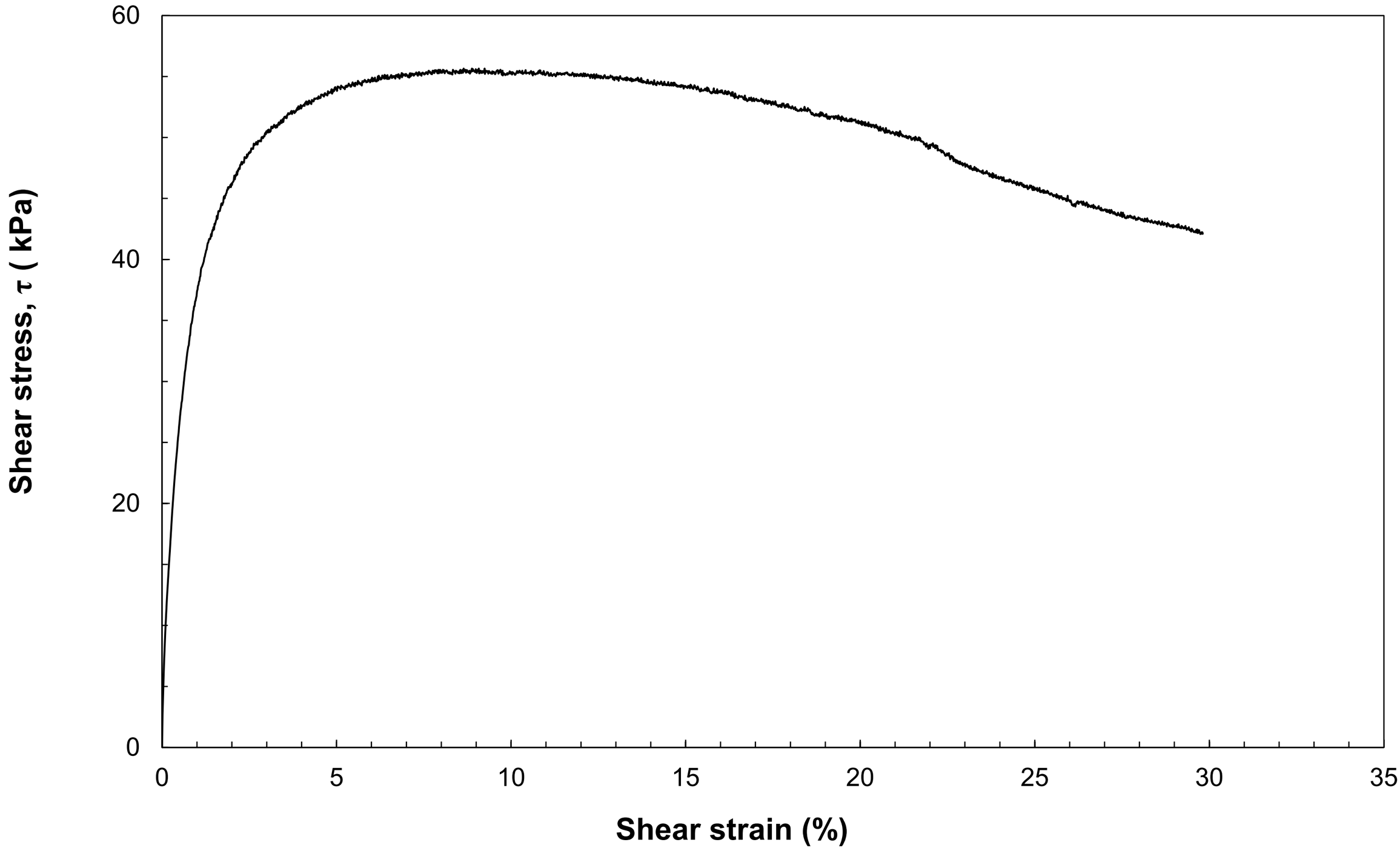

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

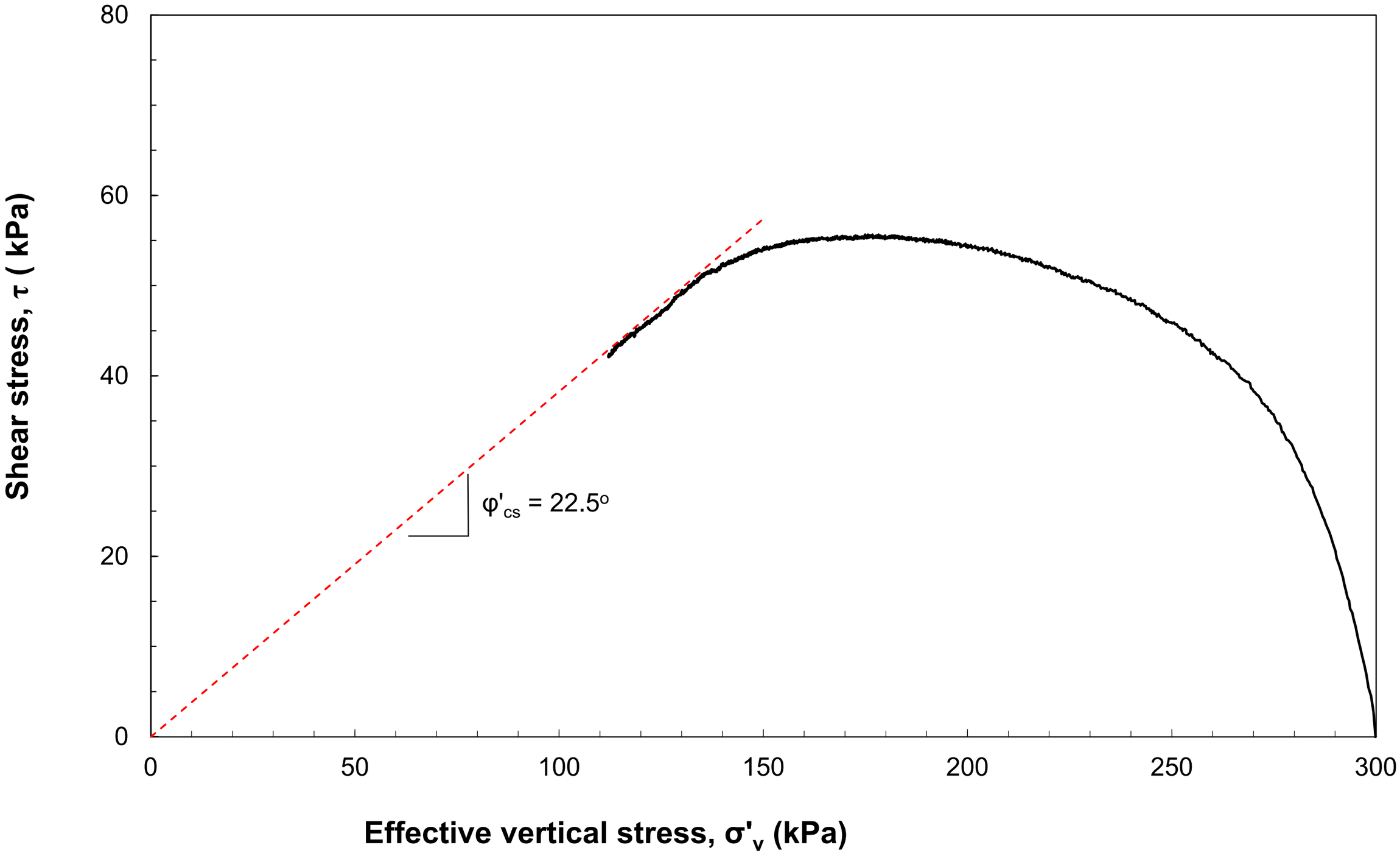

Shear stress, τ (kPa)
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
Effective vertical stress, σ'v (kPa)
φ'cs = 18.3o

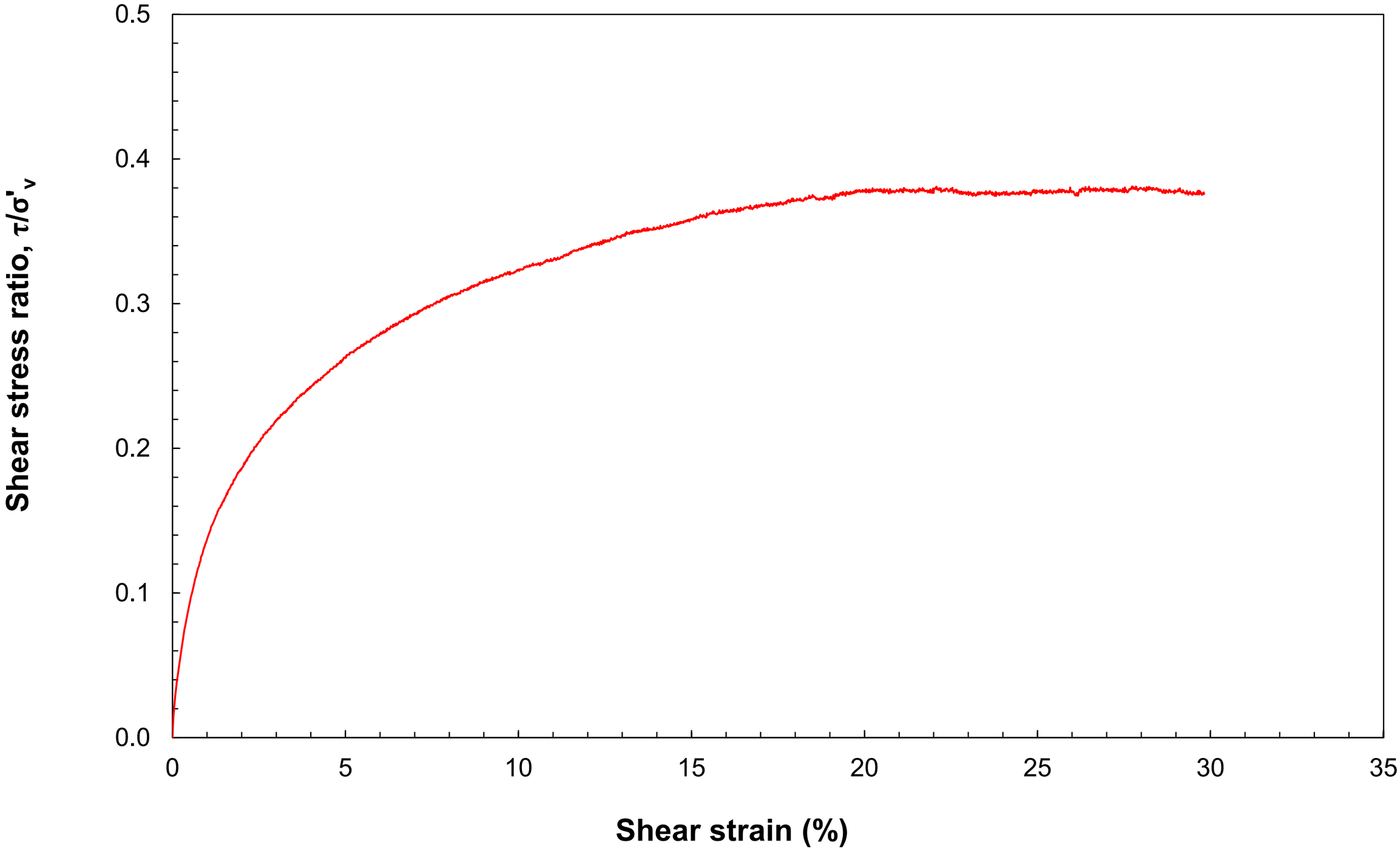

Shear stress, τ (kPa)
200
150
100
50
0
0
5
10
15
20
25
30
35
Shear strain (%)

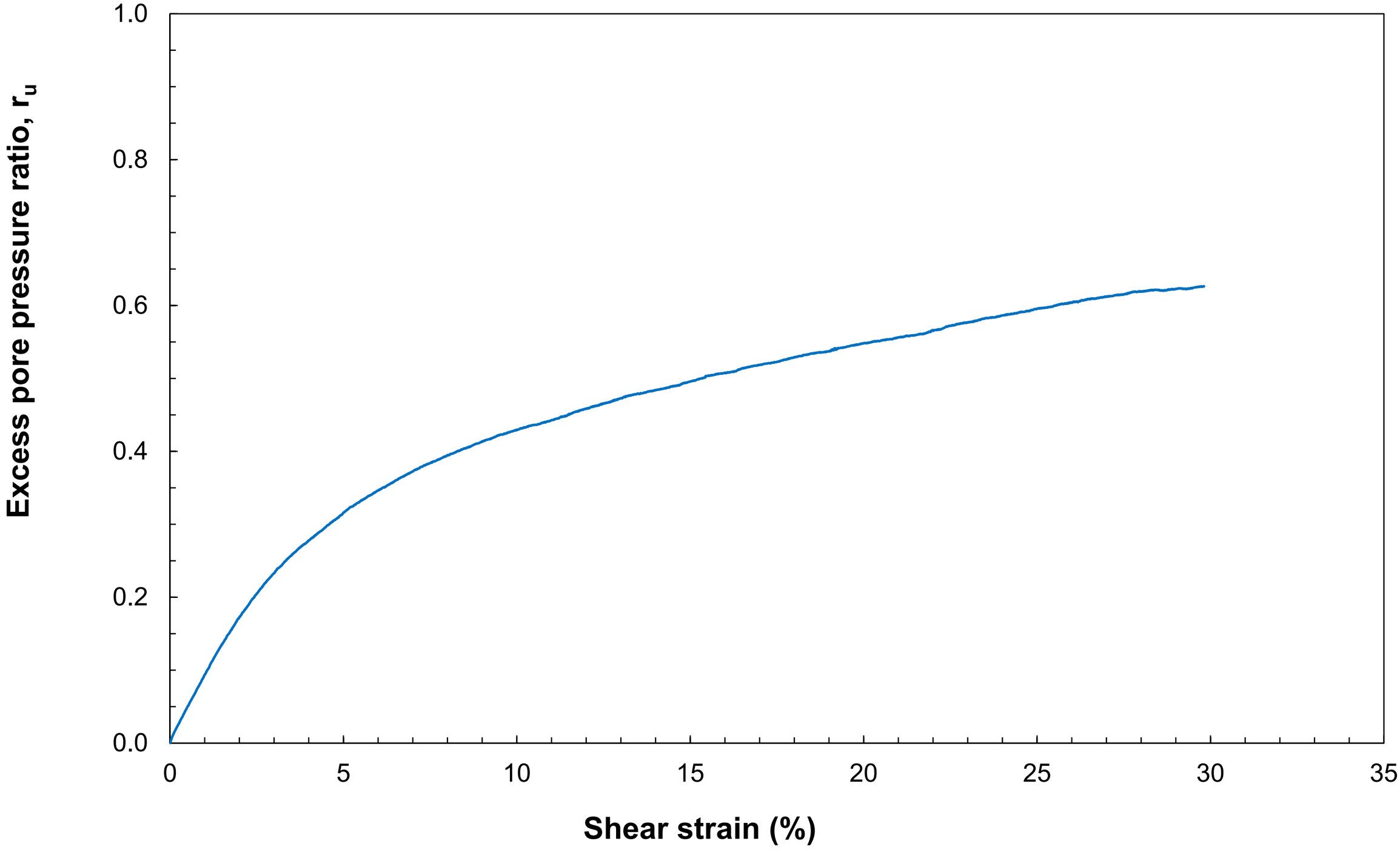

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)

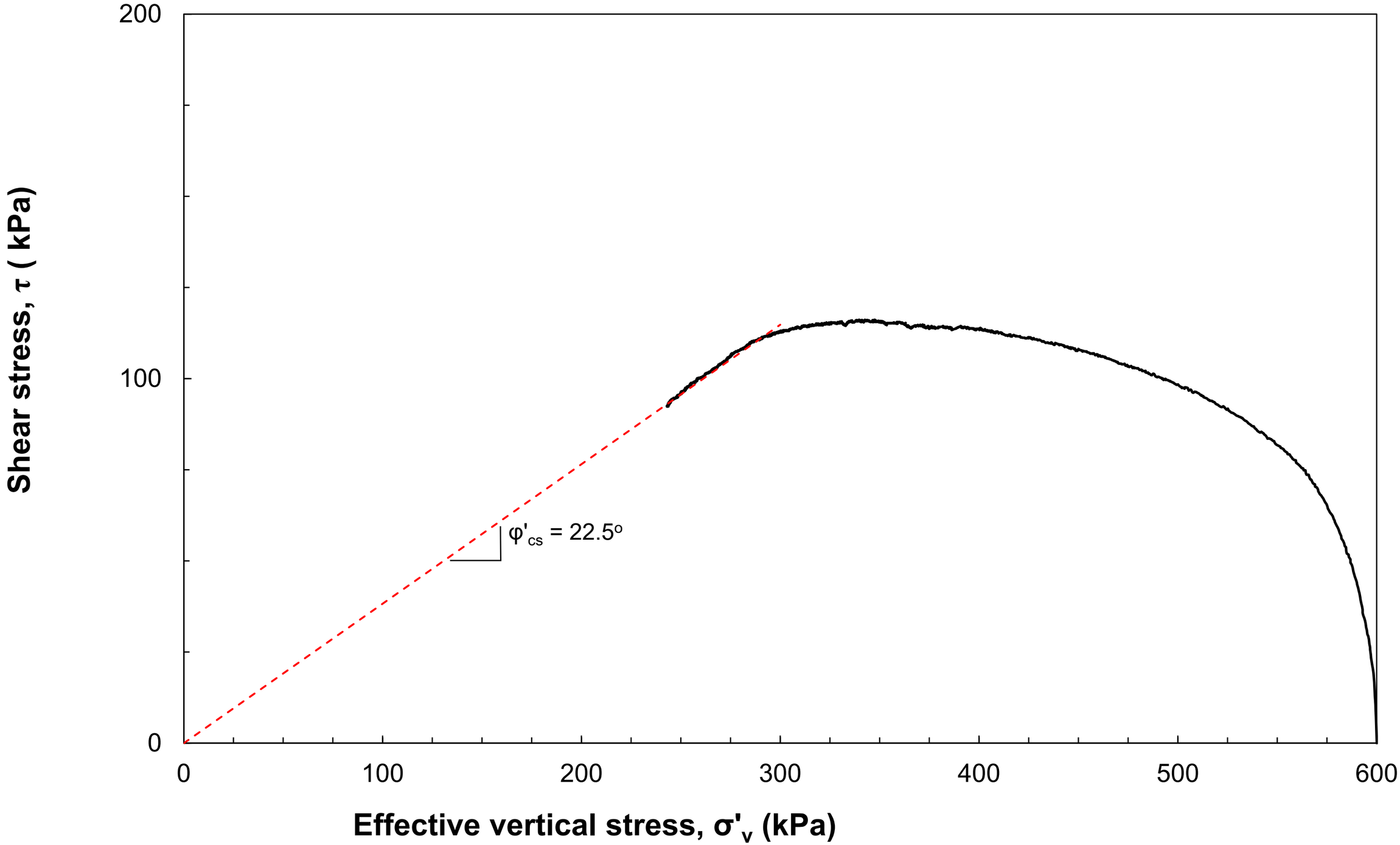

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

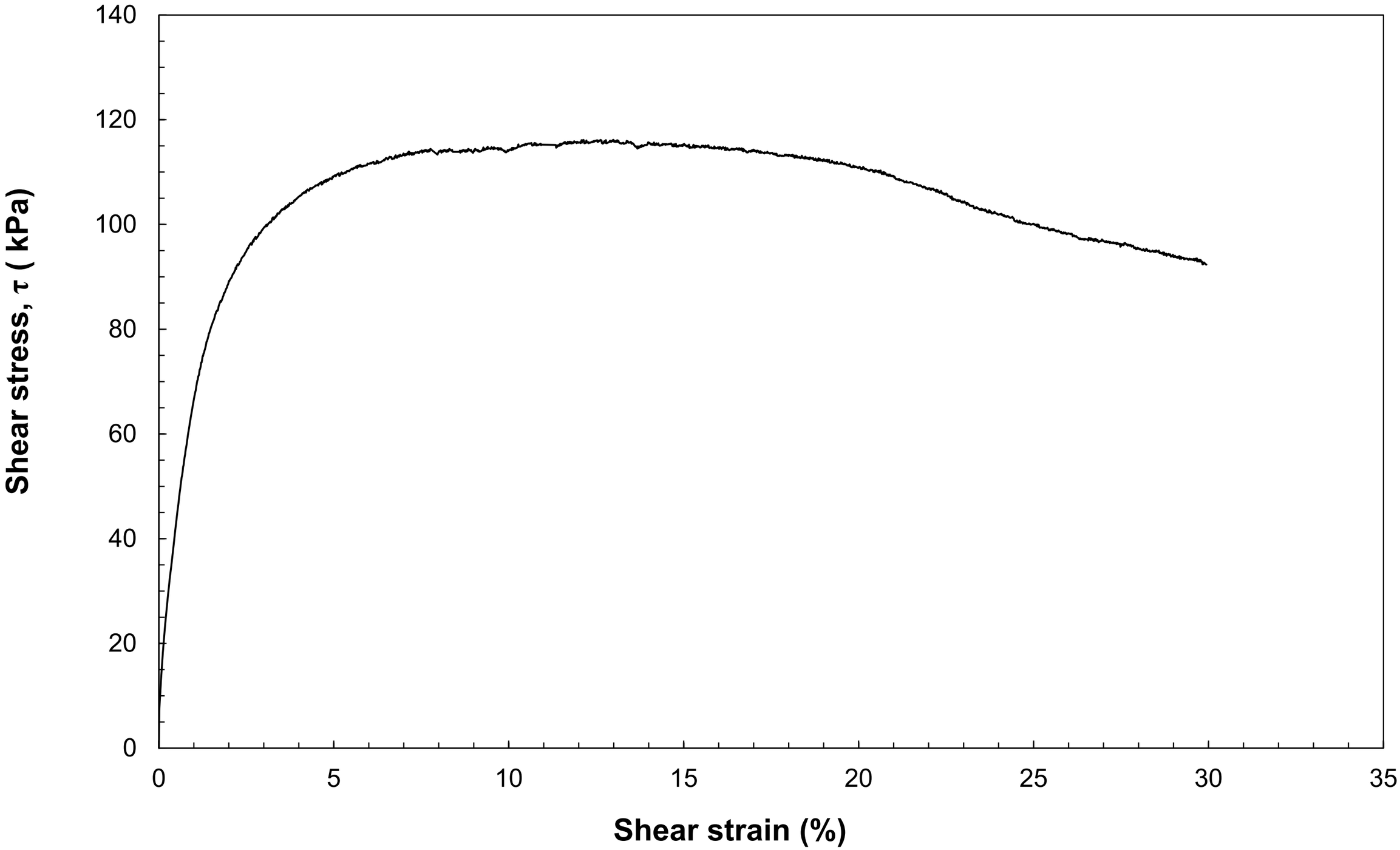

Shear stress, τ (kPa)
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

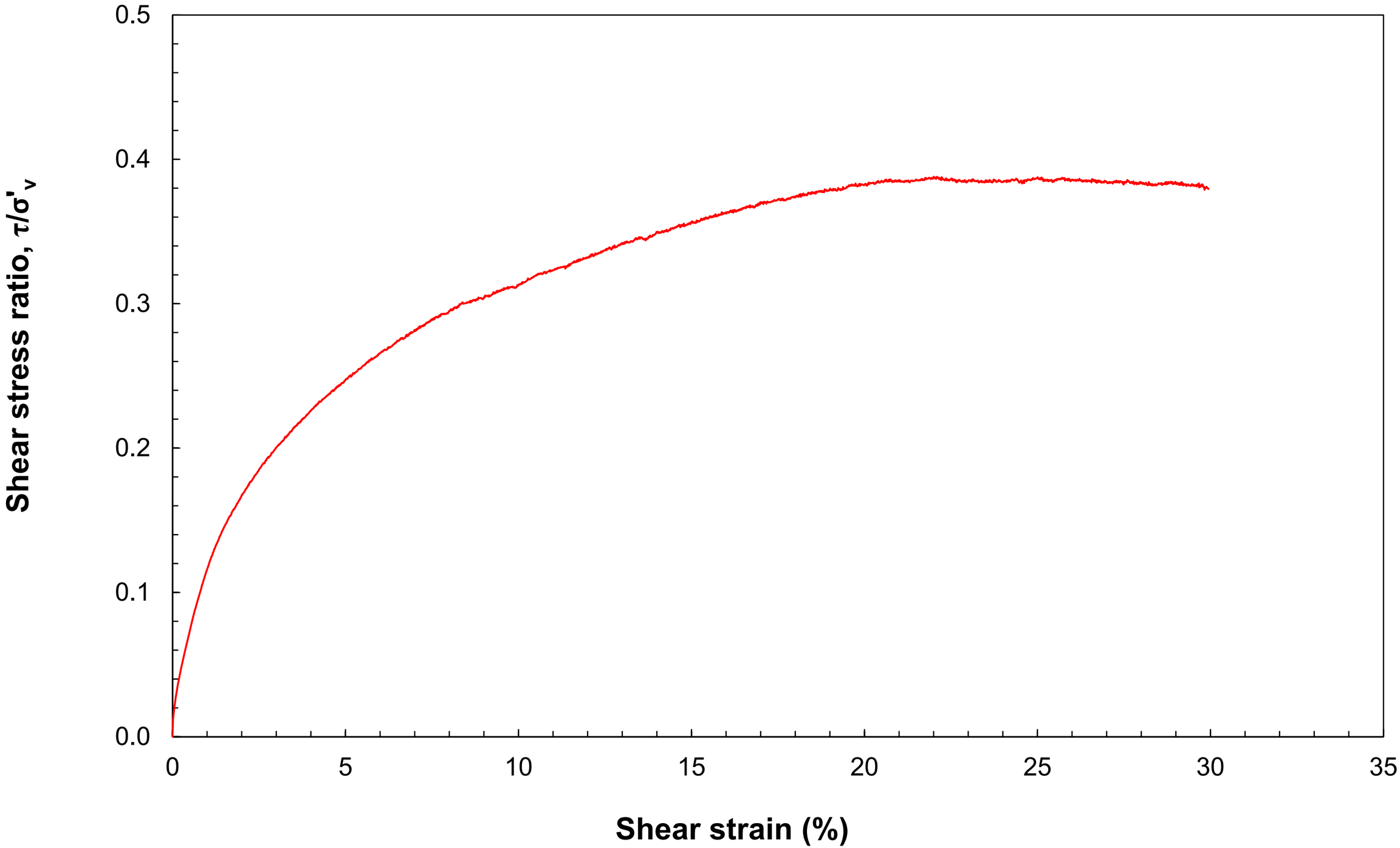

80
60
40
20
0
0
50
100
150
200
250
300
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 22.5o

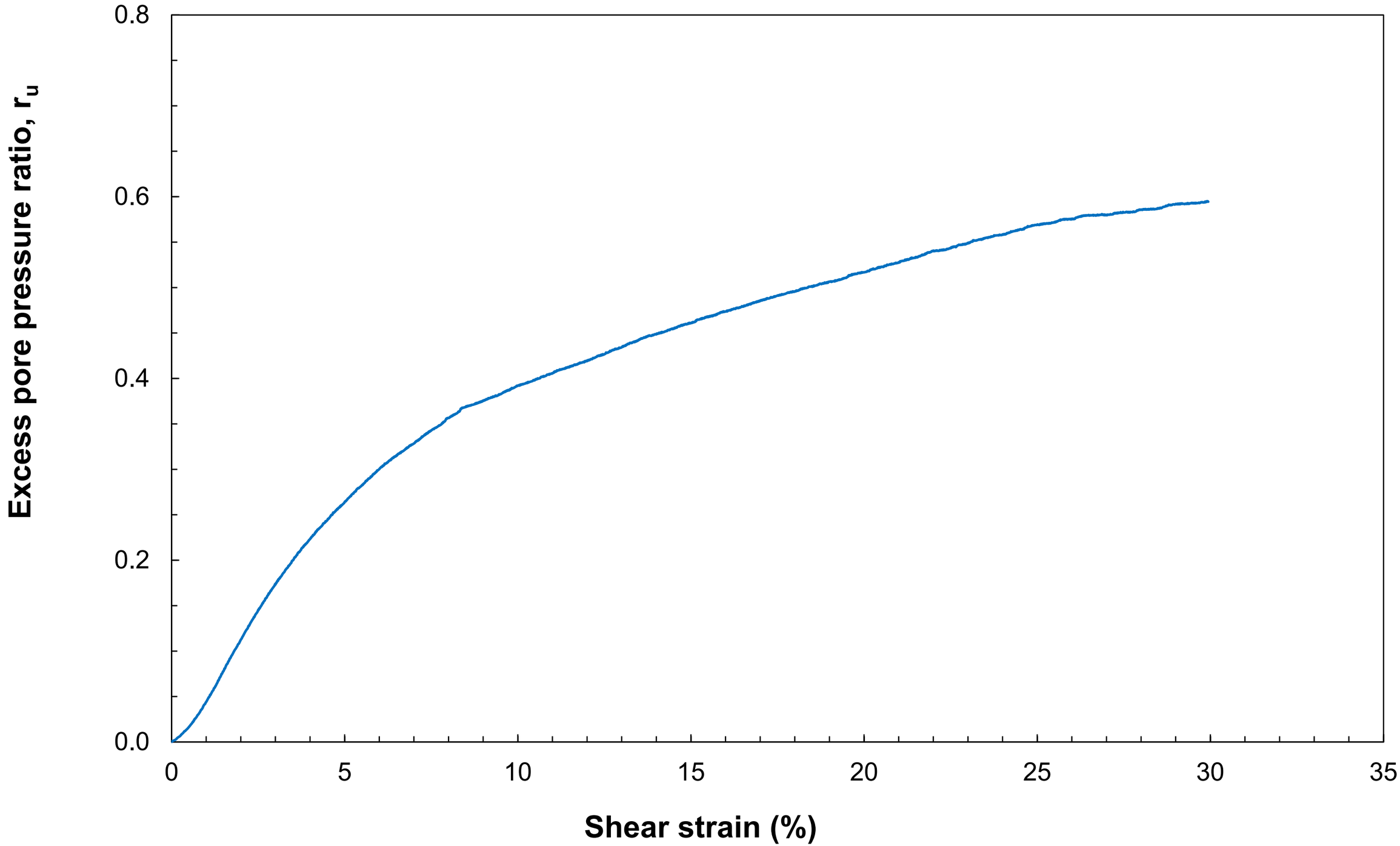

Shear stress ratio, τ/σ'v
0.5
0.4
0.3
0.2
0.1
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

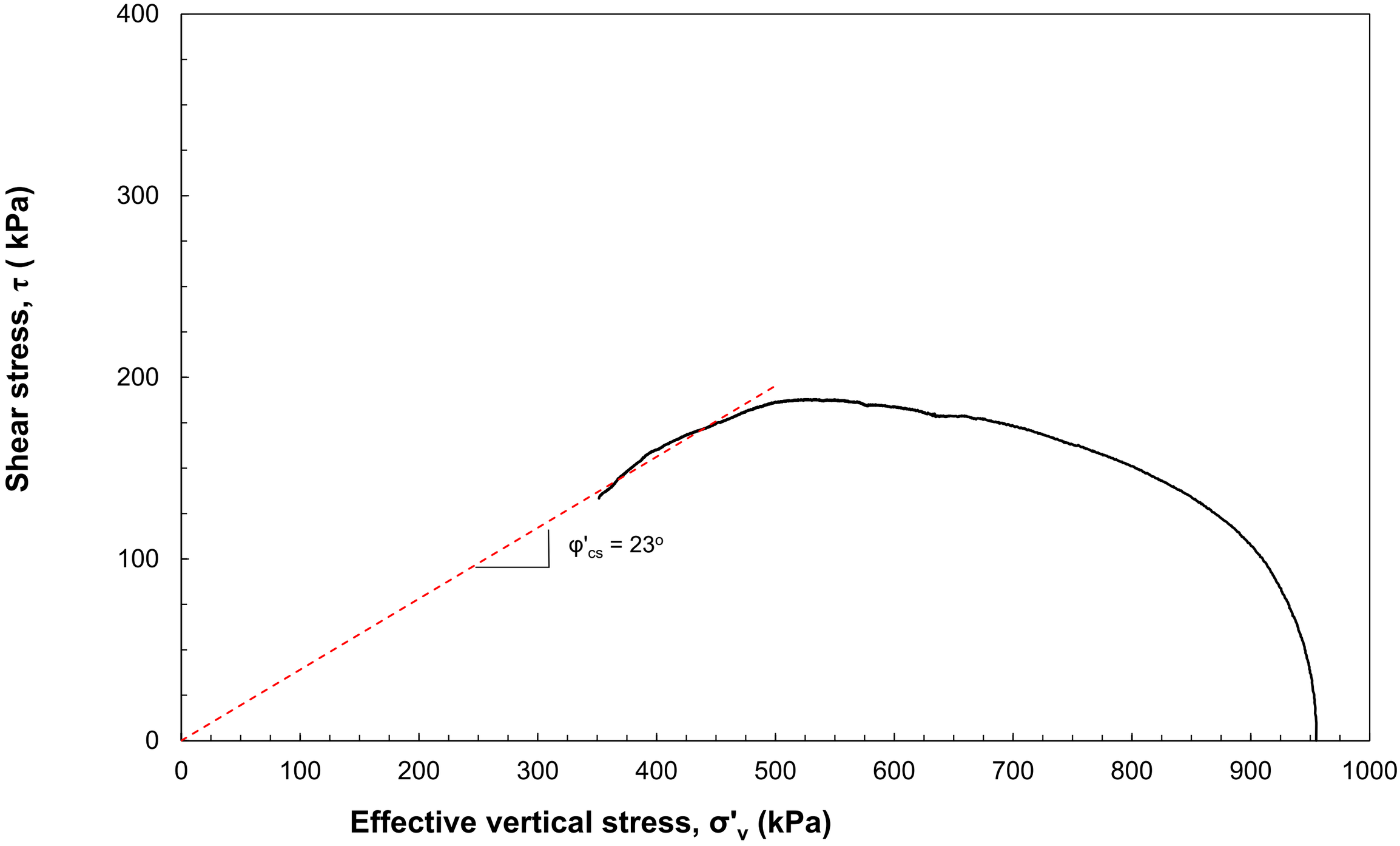

Excess pore pressure ratio, r_u
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

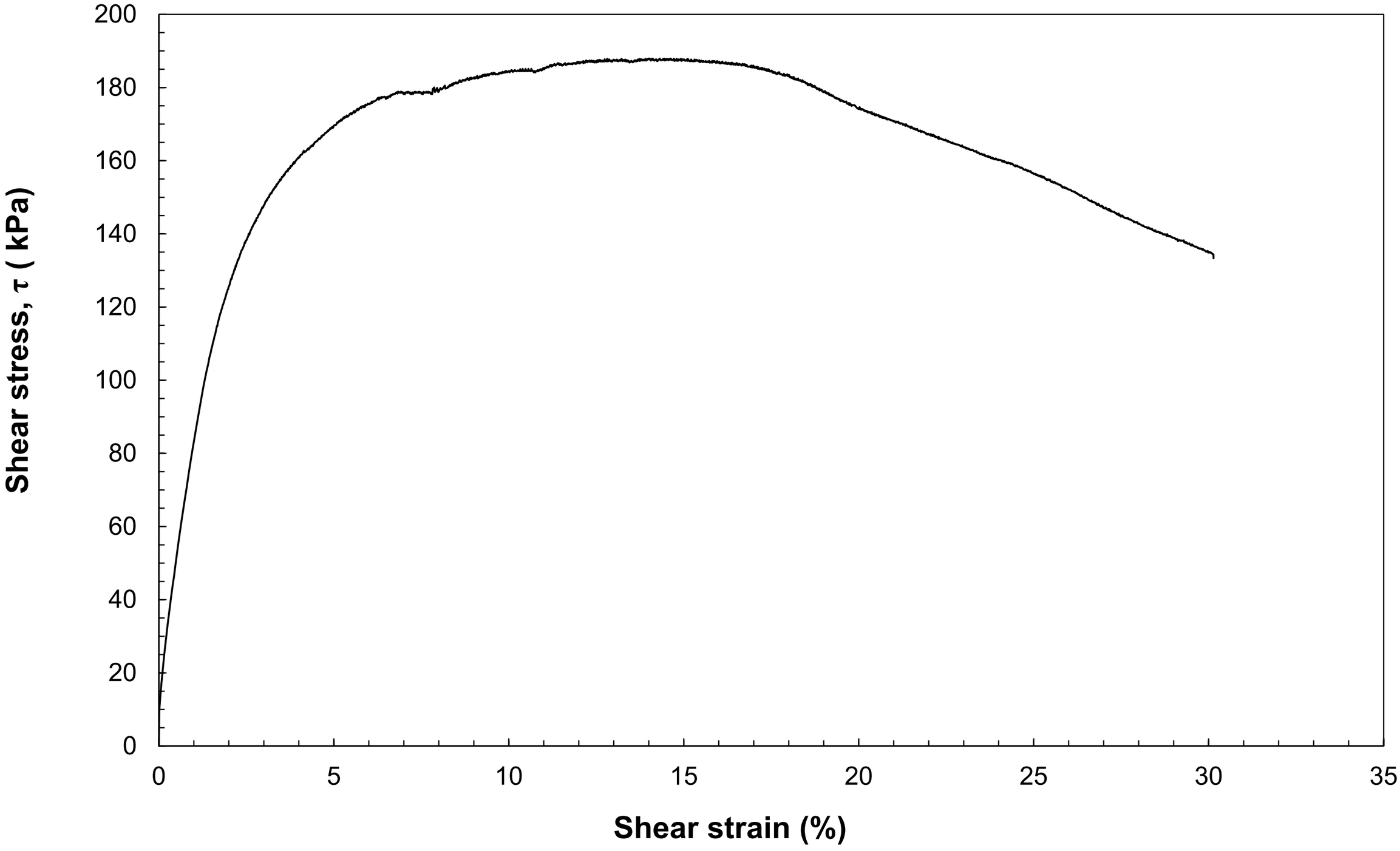

Shear stress, τ (kPa)
200
100
0
0
100
200
300
400
500
600
Effective vertical stress, σ'v (kPa)
φ'cs = 22.5o

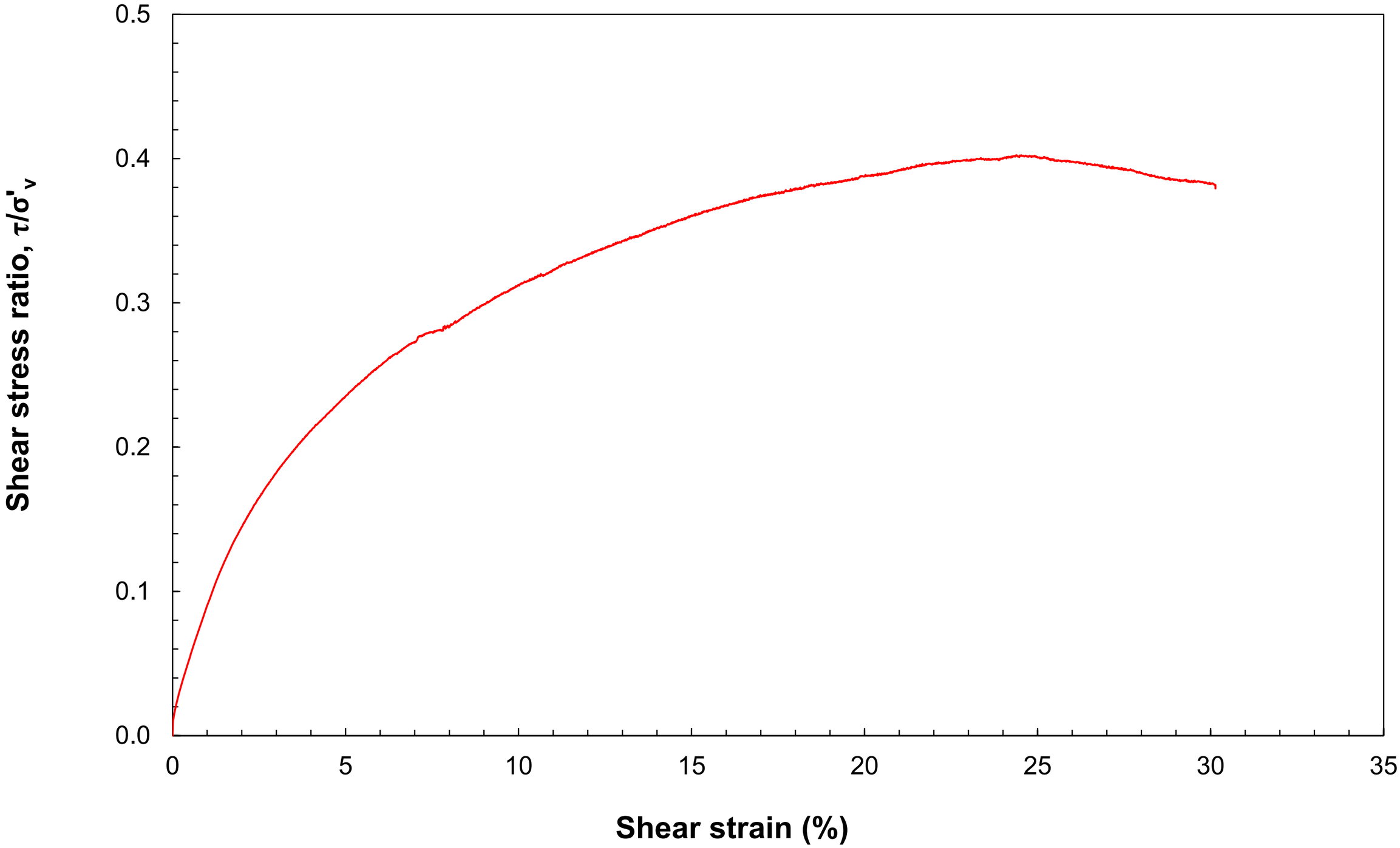

Shear stress, τ (kPa)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

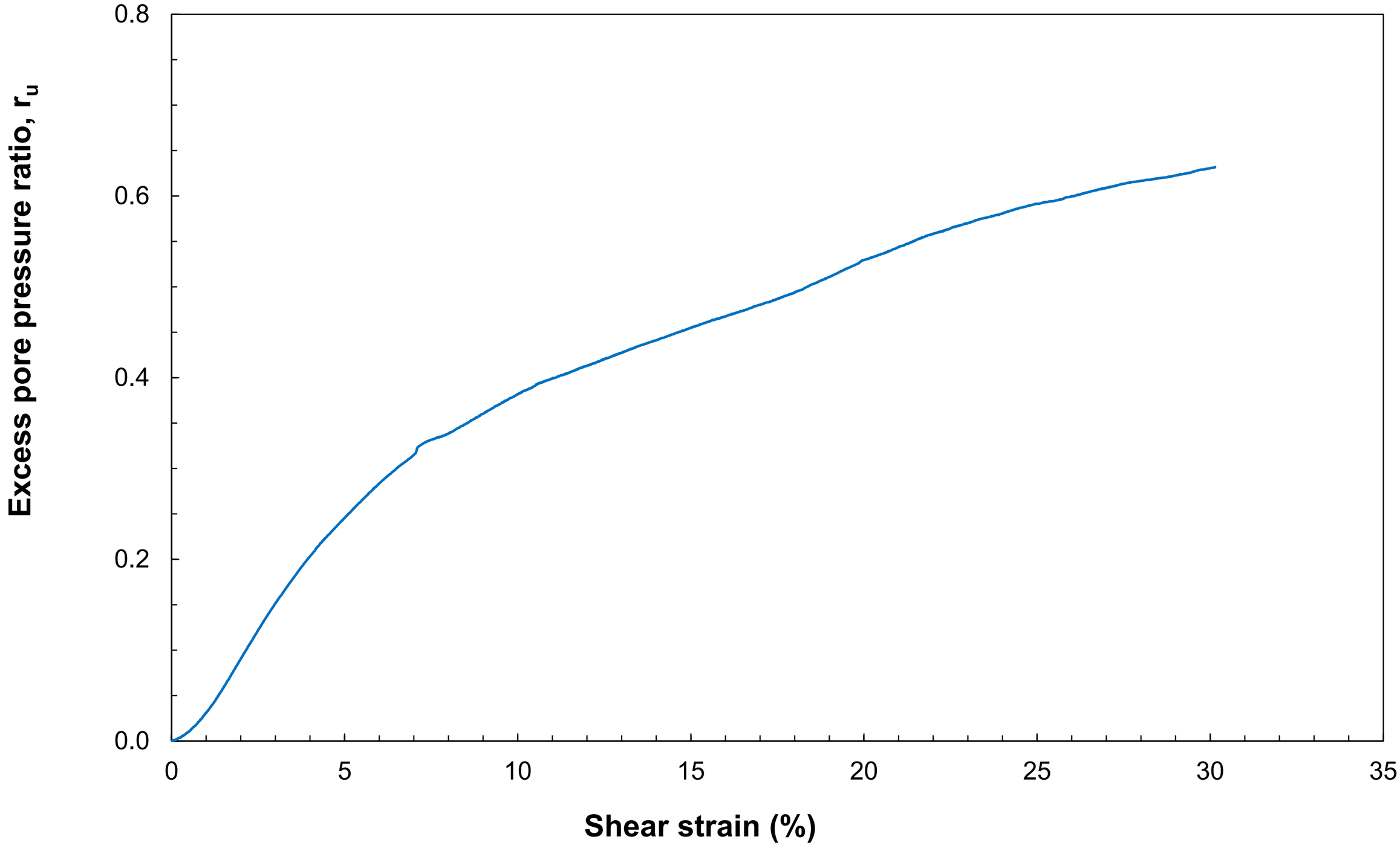

Shear stress ratio, τ/σ'v
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
20
25
30
35
Shear strain (%)

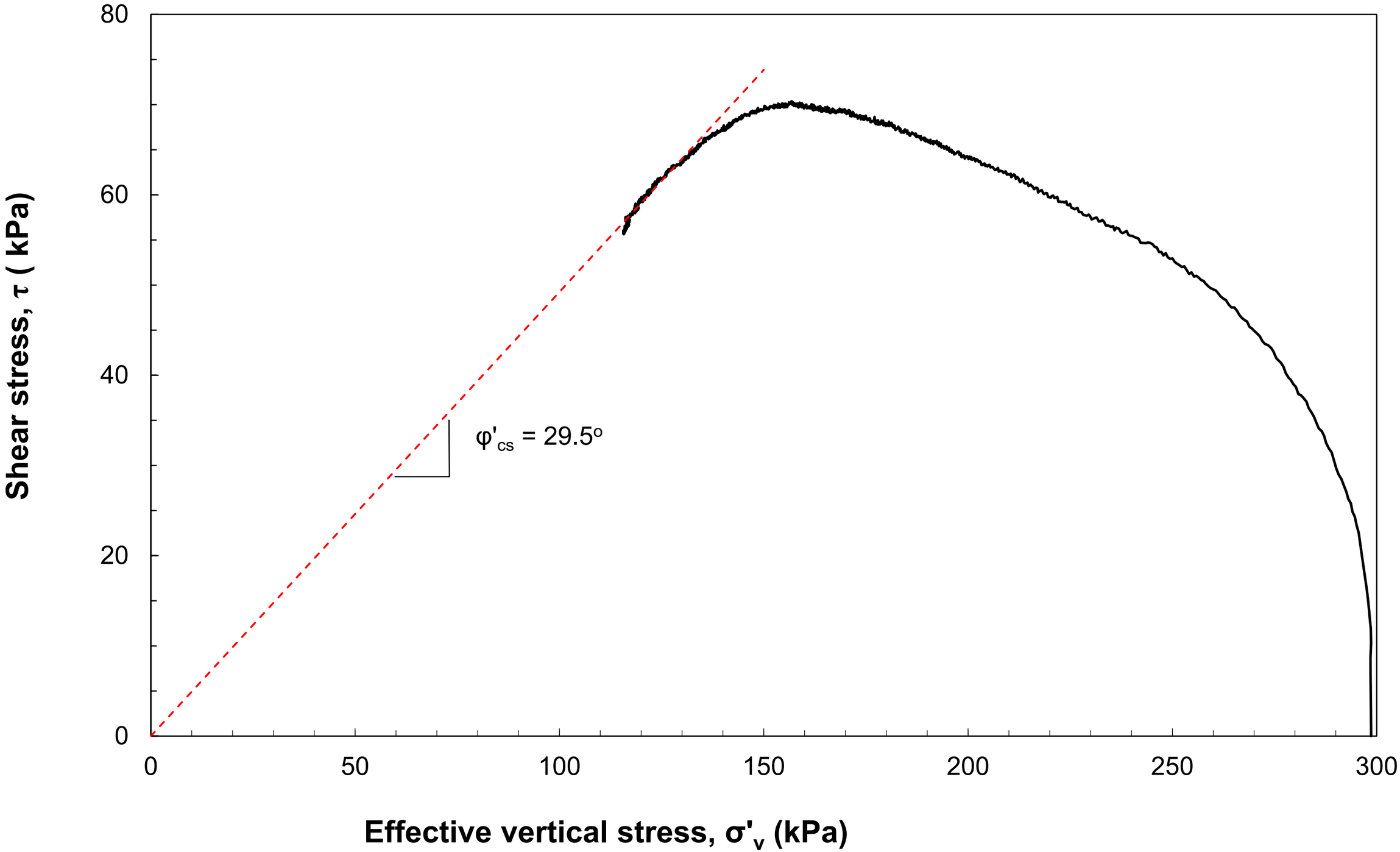

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

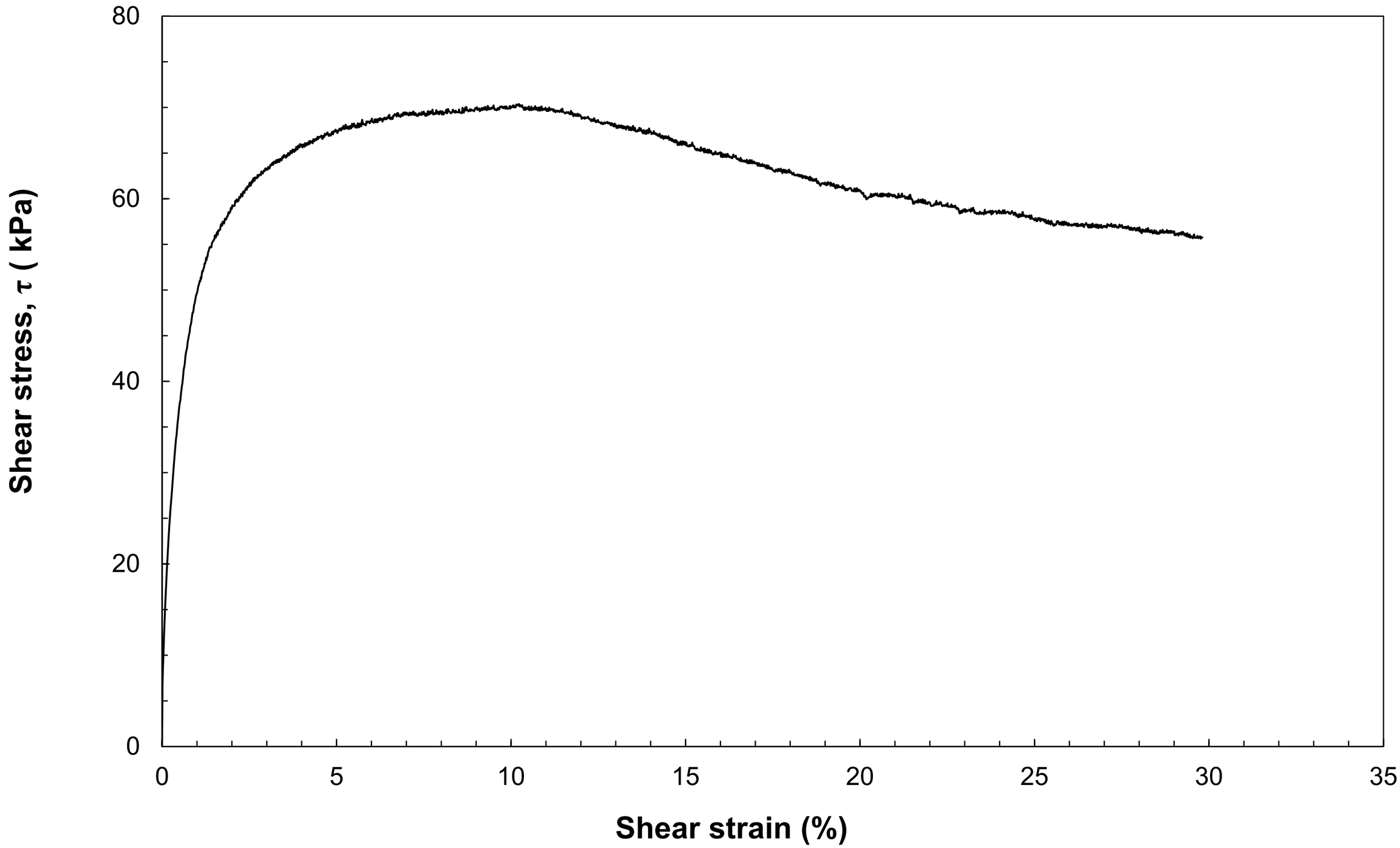

Shear stress, τ (kPa)
400
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
Effective vertical stress, σ'v (kPa)
φ'cs = 23o

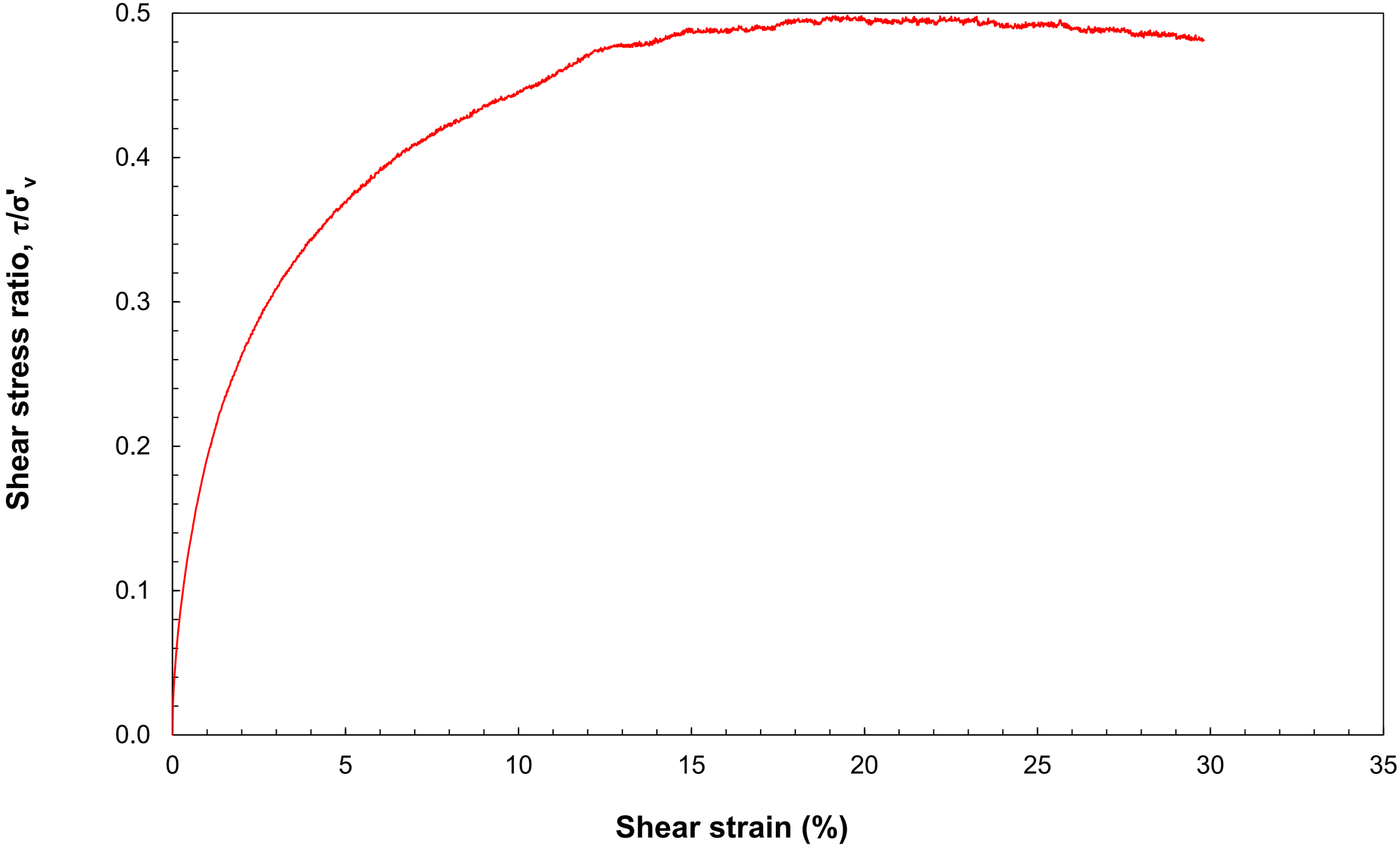

Shear stress, τ (kPa)
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

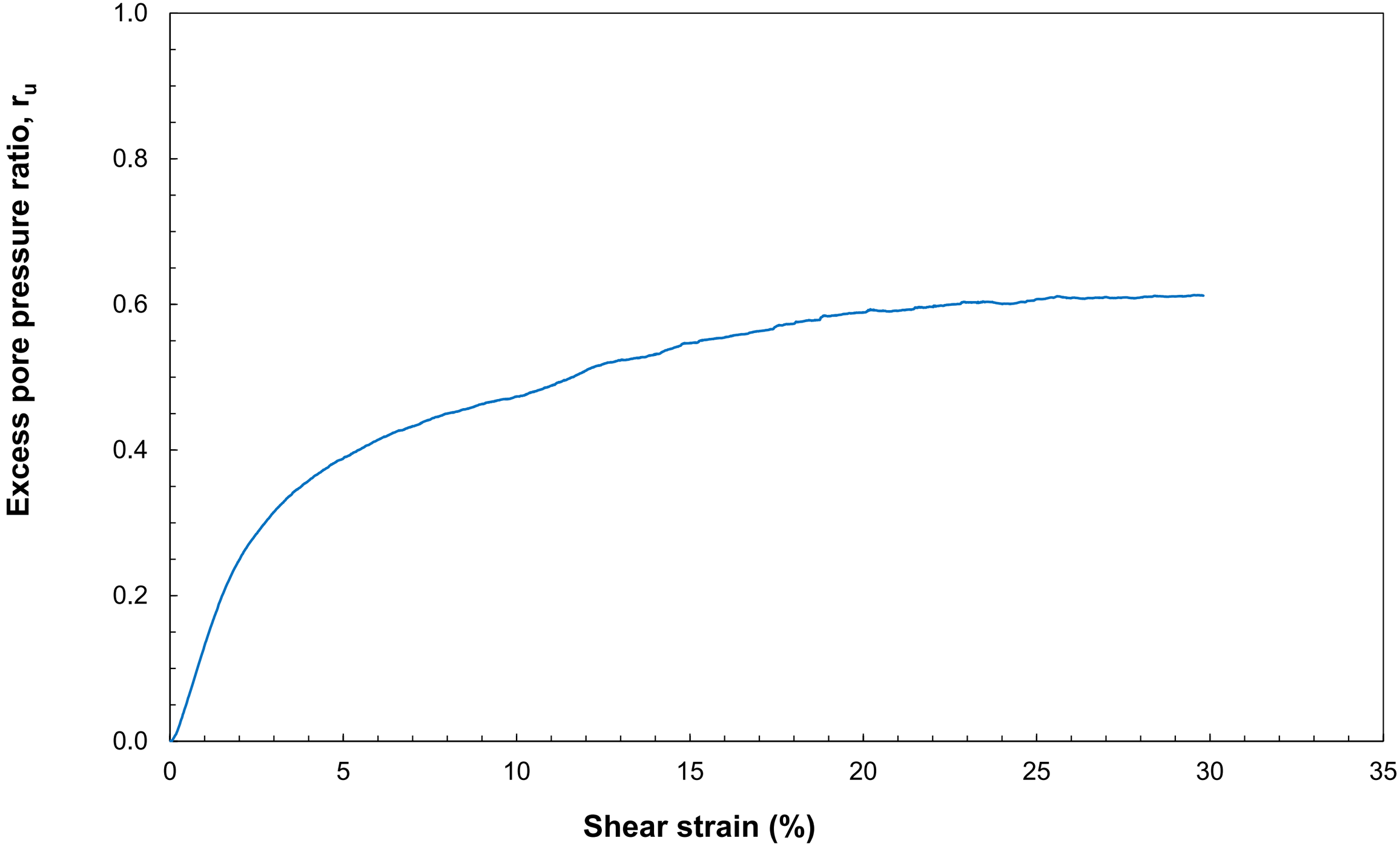

Shear stress ratio, τ/σ'v
0.5
0.4
0.3
0.2
0.1
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

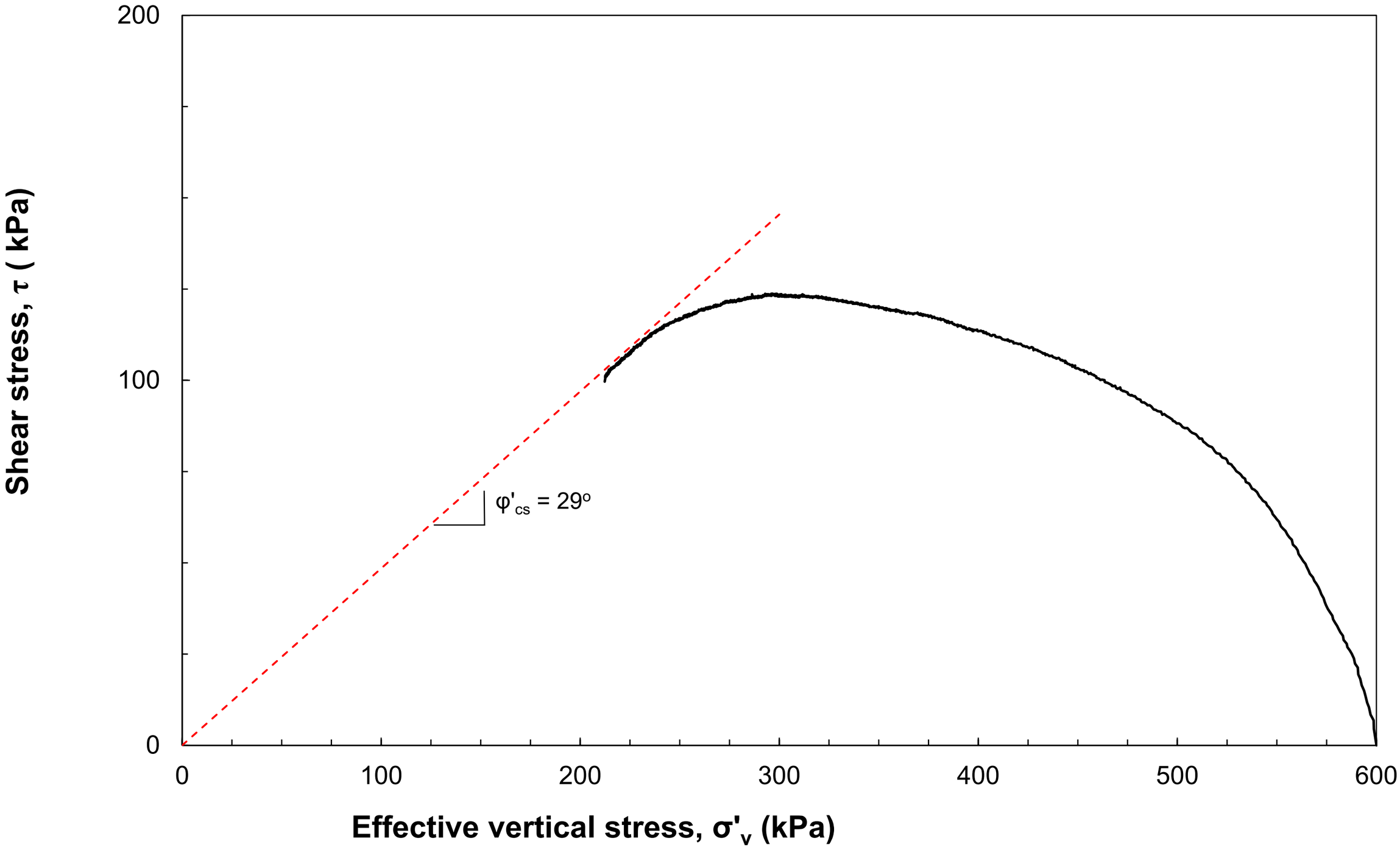

Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

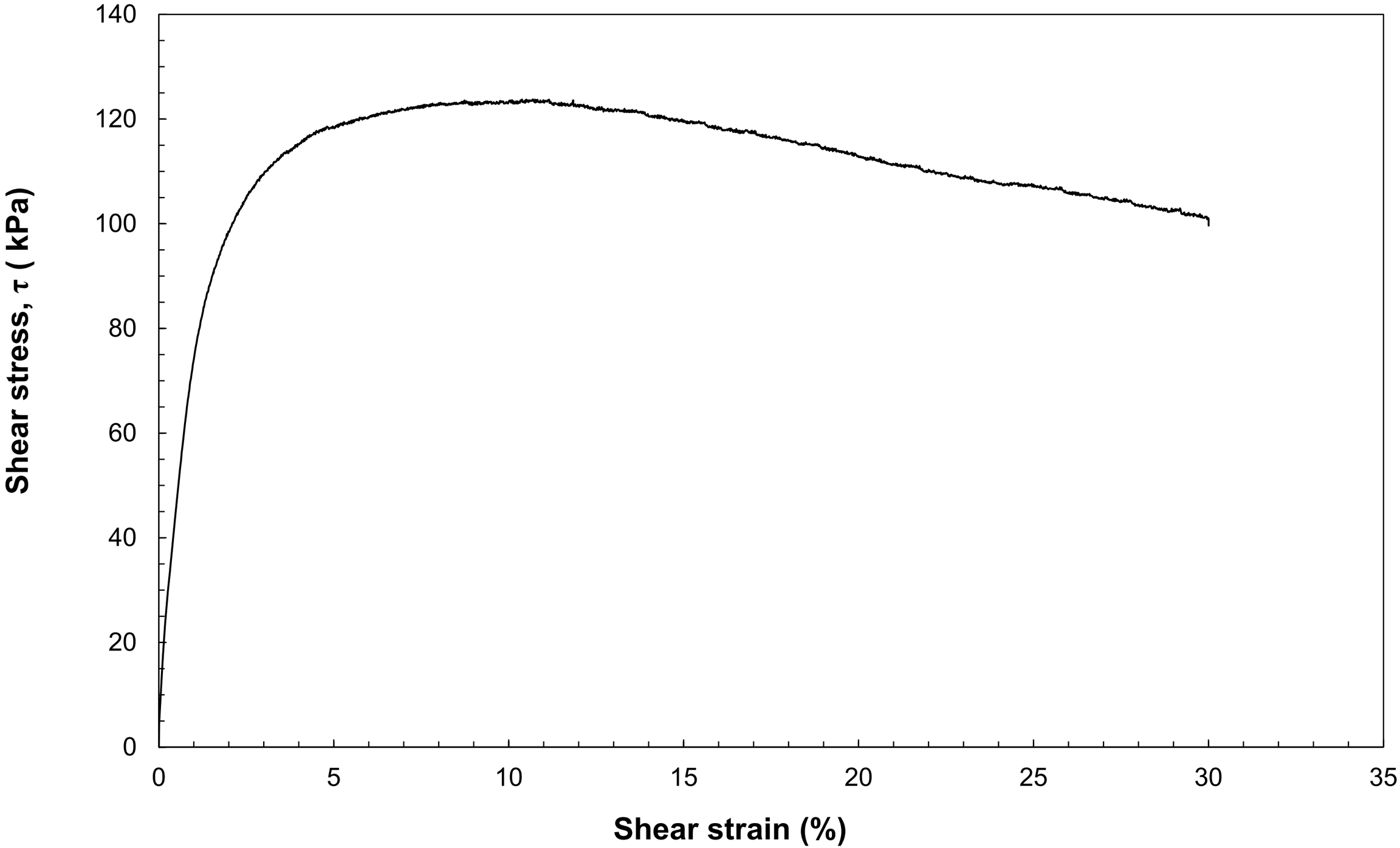

Shear stress, τ (kPa)
80
60
40
20
0
0
50
100
150
200
250
300
φ'cs = 29.5o
Effective vertical stress, σ'v (kPa)

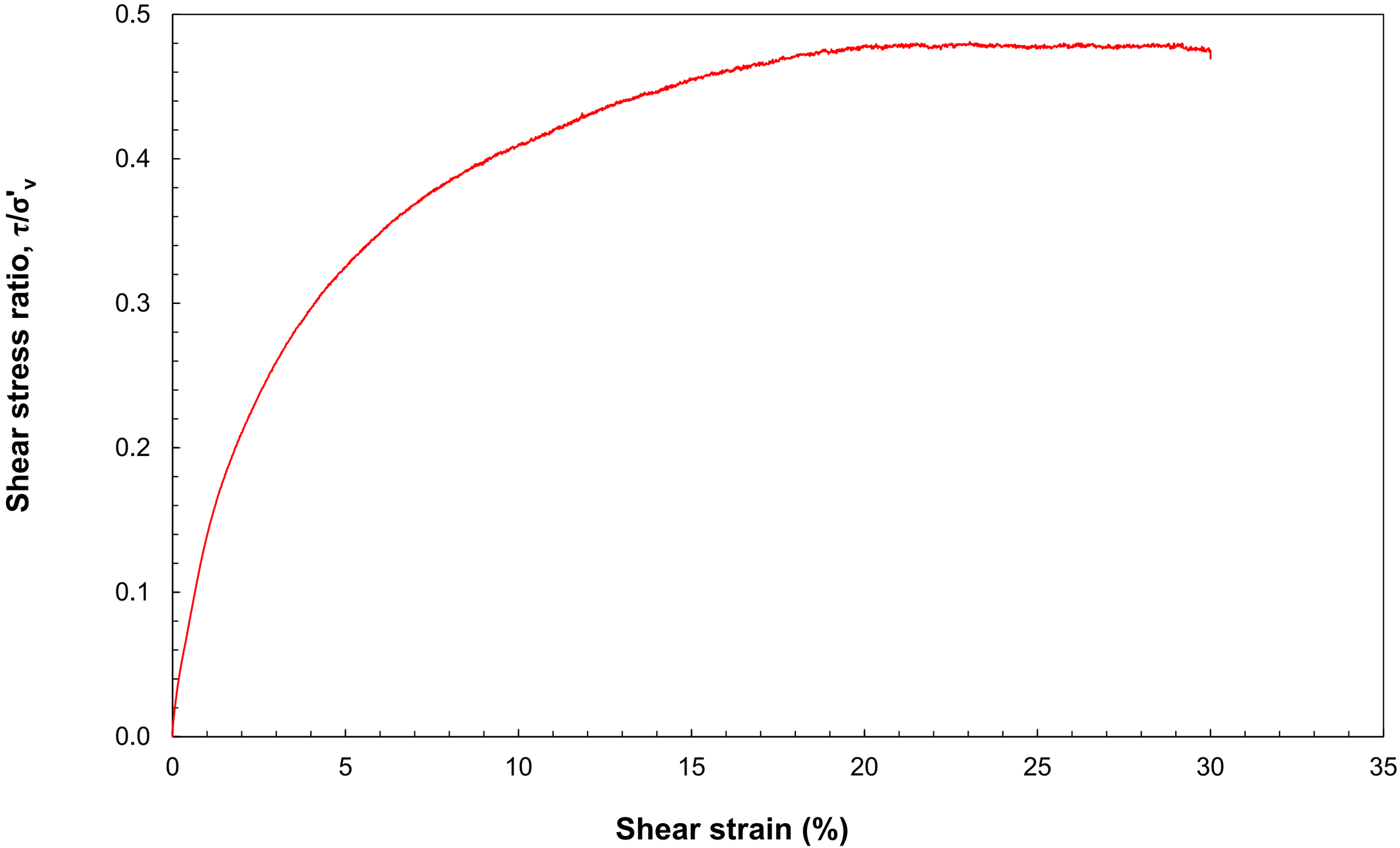

Shear stress, τ (kPa)
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

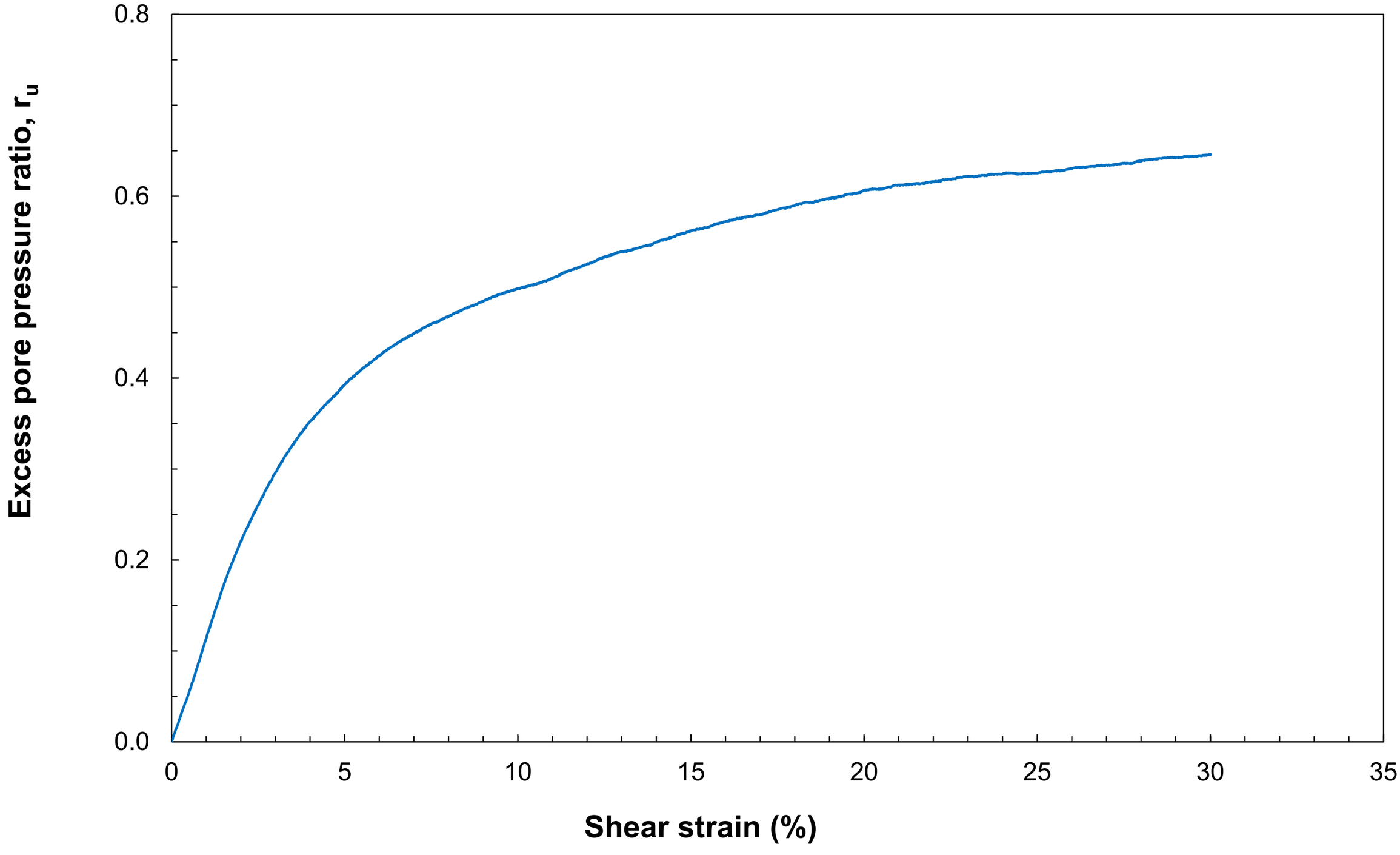

Shear stress ratio, τ/σ'v
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
20
25
30
35
Shear strain (%)

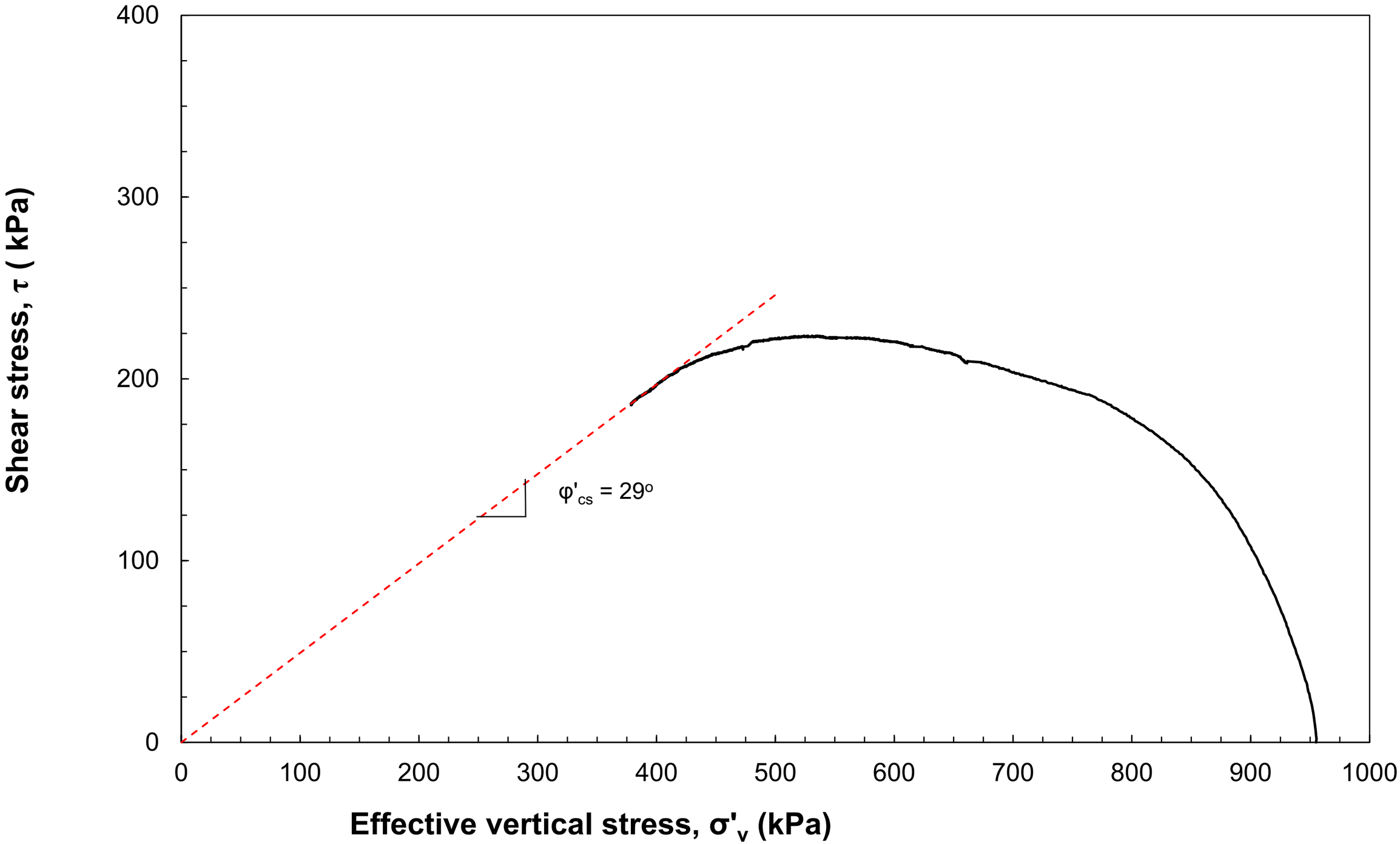

Excess pore pressure ratio, r_u
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

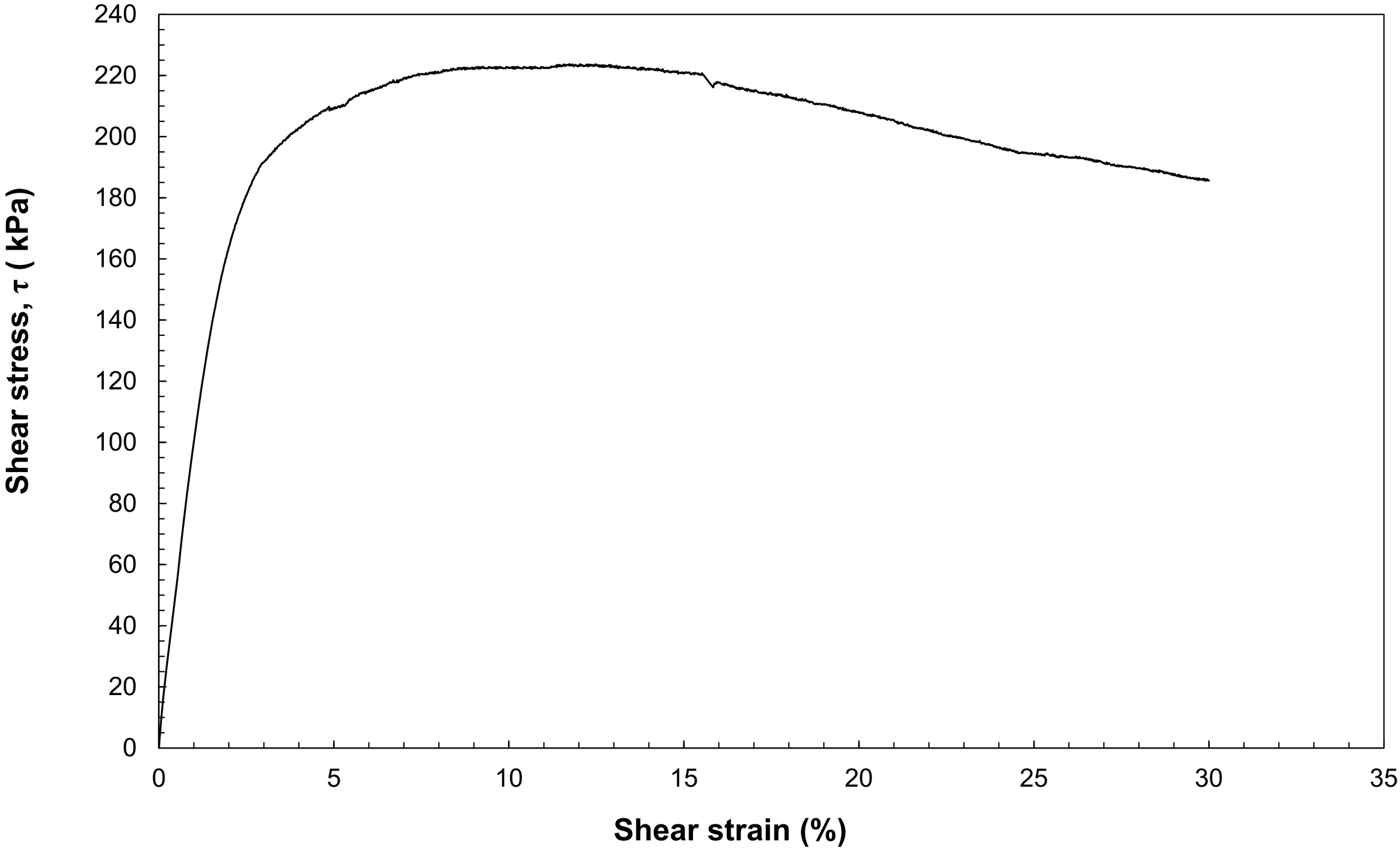

200
100
0
0
100
200
300
400
500
600
Shear stress, τ (kPa)
Effective vertical stress, σ'v (kPa)
φ'cs = 29o

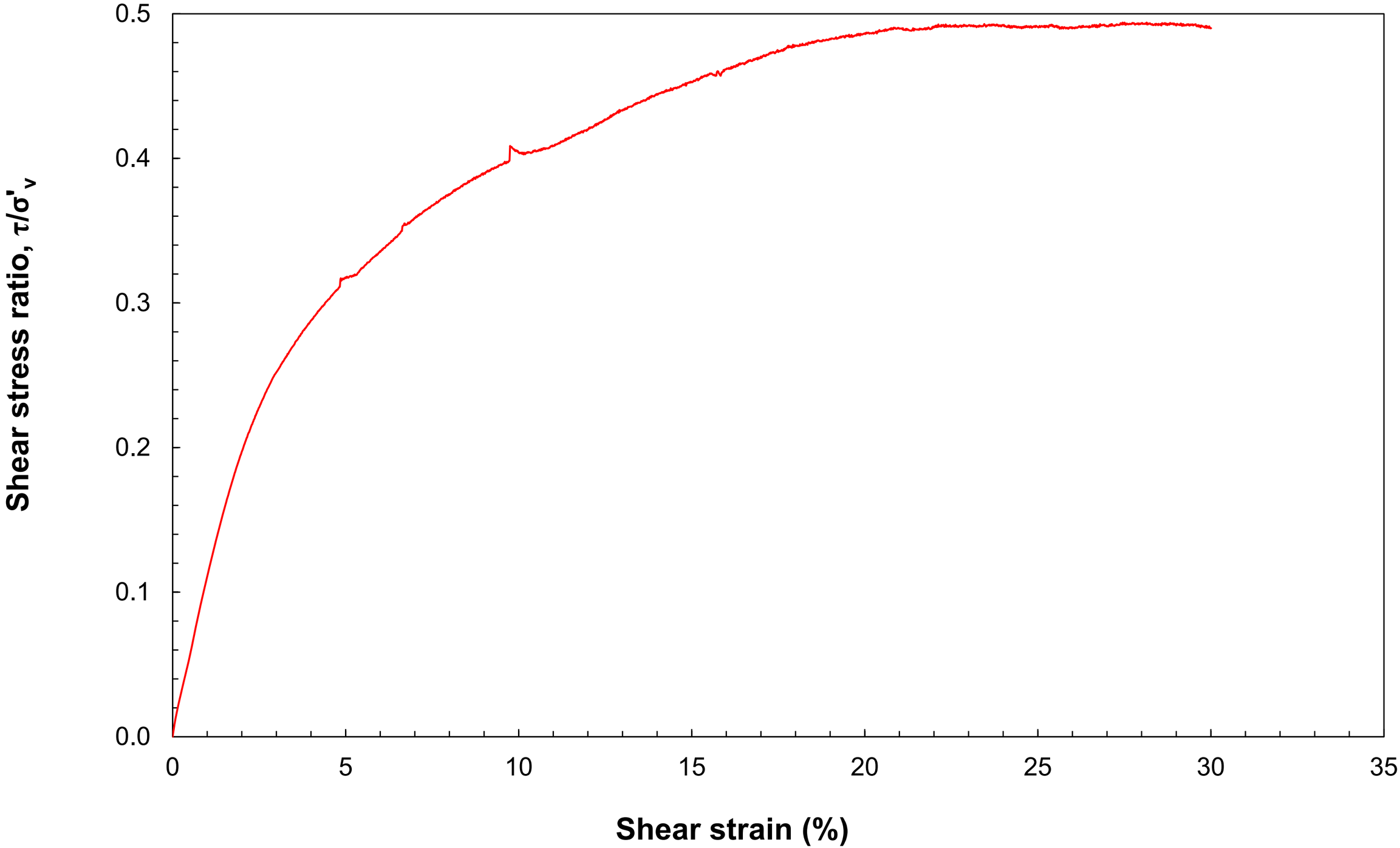

Shear stress, τ (kPa)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)

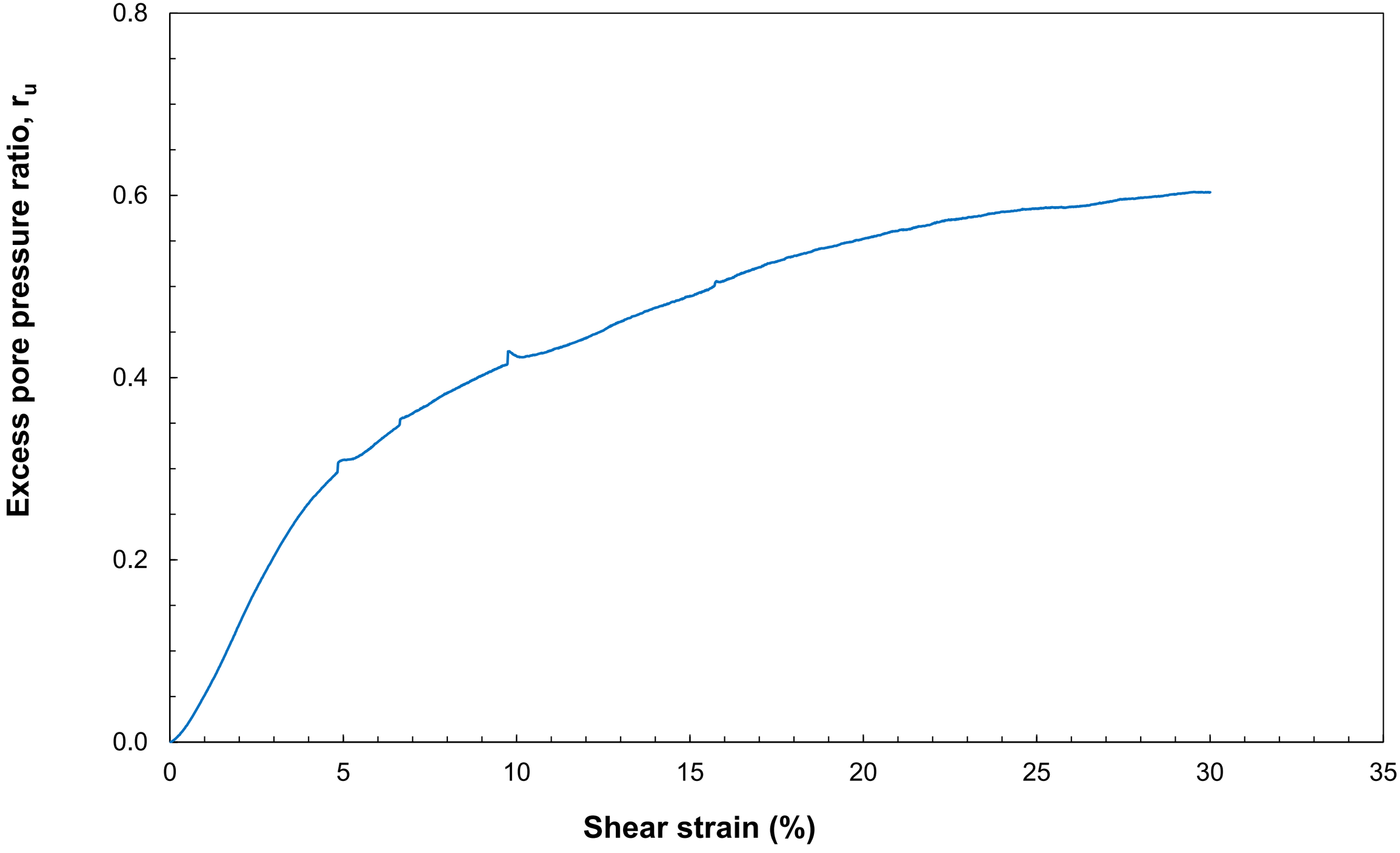

0.5
0.4
0.3
0.2
0.1
0.0
Shear stress ratio, τ/σ'v
0
5
10
15
20
25
30
35
Shear strain (%)


Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)


Shear stress, τ (kPa)
400
300
200
100
0
φ'cs = 29o
0
100
200
300
400
500
600
700
800
900
1000
Effective vertical stress, σ'v (kPa)


Shear stress, τ (kPa)
240
220
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Shear strain (%)


Shear stress ratio, τ/σ'v
0.5
0.4
0.3
0.2
0.1
0.0
0
5
10
15
20
25
30
35
Shear strain (%)


Excess pore pressure ratio, r_u
0.8
0.6
0.4
0.2
0.0
0
5
10
15
20
25
30
35
Shear strain (%)

Appendix E.6 Specific Gravity Tests

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.67	52.20	51.21
m_o) Mass of Dry Soil (g) = m_s - m_f	20.02	20.00	20.02
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.01	94.63	93.72
T_x) Test Temperature (0.5 °C)	21.0	21.0	21.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.716	2.703	2.699
K) Correction Factor	0.99980	0.99980	0.99980
G_s) Specific Gravity at 20°C = K x G	2.715	2.702	2.698
G_{avg}) Average Specific Gravity at 20 °C	2.705		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	21-TSF-BH07
		Sample #:	58305
Lab Number	G490	Depth (m)	2-2.3
Tested By	EG	Date Reported	May 27, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.08	53.62	53.56
m_o) Mass of Dry Soil (g) = m_s - m_f	20.00	20.00	20.01
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.27	95.88	95.93
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.688	2.686	2.675
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.687	2.685	2.674
G_{avg}) Average Specific Gravity at 20 °C	2.682		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	21-TSF-BH10
		Sample #:	58499
Lab Number	G486	Depth (m)	22-22.3
Tested By	EG	Date Reported	May 24, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.08	53.63	53.56
m_o) Mass of Dry Soil (g) = m_s - m_f	20.00	20.01	20.01
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.34	95.98	96.02
T_x) Test Temperature (0.5 °C)	21.0	21.0	21.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.714	2.720	2.708
K) Correction Factor	0.99980	0.99980	0.99980
G_s) Specific Gravity at 20°C = K x G	2.713	2.719	2.707
G_{avg}) Average Specific Gravity at 20 °C	2.713		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	SRK22-TSF-BH25
		Sample #:	167048
Lab Number	G424	Depth (m)	4.9-5.5m
Tested By	EG	Date Reported	May 24, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.66	52.21	51.19
m_o) Mass of Dry Soil (g) = m_s - m_f	20.01	20.01	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.00	94.64	93.70
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.714	2.704	2.696
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.713	2.703	2.695
G_{avg}) Average Specific Gravity at 20 °C	2.704		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
May 20, 2022	2.687

Sample Information

Project Number	21473972-13000	Borehole:	21-TSF-BH09
		Sample #:	58295
Lab Number	G488	Depth (m)	17.7-18.3
Tested By	EG	Date Reported	May 27, 2022
Input by:	JM	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.85	33.48	33.54
m_s) Mass of Dry Soil + Pycnometer (g)	52.90	53.49	53.61
m_o) Mass of Dry Soil (g) = m_s - m_f	20.05	20.01	20.07
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.25	95.80	95.95
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.670	2.655	2.669
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.669	2.654	2.668
G_{avg}) Average Specific Gravity at 20 °C	2.664		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 19, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-LG-BH04
		Sample #:	167508
Lab Number	G622	Depth (m)	14.0-14.3
Tested By	JM/HAB	Date Reported	July 20, 2022
Input by:	HAB	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.56	32.17	31.18
m_s) Mass of Dry Soil + Pycnometer (g)	53.60	52.19	51.20
m_o) Mass of Dry Soil (g) = m_s - m_f	20.04	20.02	20.02
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.87	94.53	93.62
T_x) Test Temperature (0.5 °C)	21.5	21.5	21.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.661	2.662	2.663
K) Correction Factor	0.99970	0.99970	0.99970
G_s) Specific Gravity at 20°C = K x G	2.660	2.661	2.662
G_{avg}) Average Specific Gravity at 20 °C	2.661		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 19, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-NWR-BH07
		Sample #:	35258
Lab Number	G631	Depth (m)	24.4-24.7
Tested By	JM/HAB	Date Reported	July 20, 2022
Input by:	HAB	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.57	32.16	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.58	52.16	51.19
m_o) Mass of Dry Soil (g) = m_s - m_f	20.01	20.00	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.86	94.52	93.60
T_x) Test Temperature (0.5 °C)	22.5	22.5	22.5
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.664	2.663	2.660
K) Correction Factor	0.99950	0.99950	0.99950
G_s) Specific Gravity at 20°C = K x G	2.663	2.662	2.659
G_{avg}) Average Specific Gravity at 20 °C	2.661		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 14, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-PF-BH02
		Sample #:	58381
Lab Number	G634	Depth (m)	9.1-9.4
Tested By	HK	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.86	33.50	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	52.94	53.56	53.55
m_o) Mass of Dry Soil (g) = m_s - m_f	20.08	20.06	20.00
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.29	95.88	95.89
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.677	2.672	2.663
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.676	2.671	2.662
G_{avg}) Average Specific Gravity at 20 °C	2.670		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 18, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK-PF-BH02
		Sample #:	58382
Lab Number	G635	Depth (m)	11.0-11.3
Tested By	HAB	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.86	33.49	33.56
m_s) Mass of Dry Soil + Pycnometer (g)	52.87	53.49	53.56
m_o) Mass of Dry Soil (g) = m_s - m_f	20.01	20.00	20.00
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.21	95.83	95.88
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.664	2.668	2.659
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.663	2.667	2.658
G_{avg}) Average Specific Gravity at 20 °C	2.663		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 14, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK21-PF-BH04
		Sample #:	167848
Lab Number	G639	Depth (m)	25.3-25.6
Tested By	HK	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.58	32.18	31.21
m_s) Mass of Dry Soil + Pycnometer (g)	53.64	52.27	51.21
m_o) Mass of Dry Soil (g) = m_s - m_f	20.06	20.09	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.94	94.62	93.62
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.681	2.679	2.667
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.680	2.678	2.666
G_{avg}) Average Specific Gravity at 20 °C	2.675		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 18, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK22-PF-BH03
		Sample #:	167297
Lab Number	G644	Depth (m)	32.6-32.9
Tested By	HAB	Date Reported	July 19, 2022
Input by:	HAB	Checked By	TG

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	32.85	33.50	33.56
m_s) Mass of Dry Soil + Pycnometer (g)	52.89	53.59	53.60
m_o) Mass of Dry Soil (g) = m_s - m_f	20.04	20.09	20.04
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.35	95.97	95.99
T_x) Test Temperature (0.5 °C)	21.0	21.0	21.0
G) Specific Gravity = m_o / (m_o + m_a - m_b)	2.708	2.698	2.690
K) Correction Factor	0.99980	0.99980	0.99980
G_s) Specific Gravity at 20°C = K x G	2.707	2.697	2.689
G_{avg}) Average Specific Gravity at 20 °C	2.698		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
July 20, 2022	2.681

Sample Information

Project Number	21504835-3000	Borehole:	SRK22-SOS-BH-02
		Sample #:	167078
Lab Number	G648	Depth (m)	41.5-41.8
Tested By	HAB	Date Reported	July 21, 2022
Input by:	HAB	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.09	53.63	53.57
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.01	20.02
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.31	95.91	95.95
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.700	2.694	2.680
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.699	2.693	2.679
G_{avg}) Average Specific Gravity at 20 °C	2.690		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK21-OP-BH02
Date Tested	14-Apr-22	Sample #:	167811
Lab Number	G288	Depth (m)	65.5-65.8
Tested By	HK	Date Reported	April 22, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.67	52.21	51.19
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.02	20.01	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.22	94.88	93.98
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.795	2.795	2.802
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.794	2.794	2.801
G_{avg}) Average Specific Gravity at 20 °C	2.796		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-OP-BH08
Date Tested	14-Apr-22	Sample #:	167728
Lab Number	G292	Depth (m)	40.8-41.1
Tested By	HK	Date Reported	April 22, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.08	53.65	53.60
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.00	20.03	20.05
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.37	95.99	96.06
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.725	2.719	2.713
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.724	2.718	2.712
G_{avg}) Average Specific Gravity at 20 °C	2.718		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-OP-BH10
Date Tested	14-Apr-22	Sample #:	167381
Lab Number	G294	Depth (m)	43.3-43.6
Tested By	HK	Date Reported	April 22, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.68	52.22	51.23
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.02	20.04
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.98	94.67	93.74
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.702	2.713	2.701
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.701	2.712	2.700
G_{avg}) Average Specific Gravity at 20 °C	2.704		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK21-LGS-BH08
Date Tested	14-Apr-22	Sample #:	35247
Lab Number	G296	Depth (m)	25.9-26.2
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.12	53.66	53.57
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.04	20.04	20.02
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.28	95.88	95.95
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.683	2.677	2.680
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.682	2.676	2.679
G_{avg}) Average Specific Gravity at 20 °C	2.679		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK21-LG-BH04
Date Tested	14-Apr-22	Sample #:	167512
Lab Number	G299	Depth (m)	21.6-21.9
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.67	52.21	51.20
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.02	20.01	20.01
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.93	94.62	93.68
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.686	2.697	2.687
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.685	2.696	2.686
G_{avg}) Average Specific Gravity at 20 °C	2.689		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-LG-BH01
Date Tested	14-Apr-22	Sample #:	167387
Lab Number	G301	Depth (m)	26.2-26.5
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.12	53.65	53.58
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.04	20.03	20.03
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.36	95.97	96.04
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.712	2.712	2.710
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.711	2.711	2.709
G_{avg}) Average Specific Gravity at 20 °C	2.710		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 14, 2022	2.750

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-LG-BH05
Date Tested	14-Apr-22	Sample #:	167277
Lab Number	G304	Depth (m)	21.5-21.8
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.68	52.22	51.19
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.02	20.00
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.94	94.59	93.64
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.688	2.684	2.674
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.687	2.683	2.673
G_{avg}) Average Specific Gravity at 20 °C	2.681		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 15, 2022	2.721

Sample Information

Project Number	21504835-2000	Borehole:	SRK21-NWR-BH07
Date Tested	15-Apr-22	Sample #:	35259
Lab Number	G305	Depth (m)	25.9-26.2
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.17	53.70	53.62
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.09	20.08	20.07
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.25	95.88	95.91
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.661	2.668	2.655
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.660	2.667	2.654
G_{avg}) Average Specific Gravity at 20 °C	2.660		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 15, 2022	2.721

Sample Information

Project Number	21504835-2000	Borehole:	SRK21-PF-BH04
Date Tested	15-Apr-22	Sample #:	167847
Lab Number	G310	Depth (m)	23.8-24.4
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.66	52.22	51.21
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.01	20.02	20.02
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	95.94	94.60	93.68
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.692	2.687	2.684
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.691	2.686	2.683
G_{avg}) Average Specific Gravity at 20 °C	2.687		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 15, 2022	2.721

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-SOS-BH-02
Date Tested	15-Apr-22	Sample #:	167073
Lab Number	G316	Depth (m)	28.3-28.7
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	7	16	36
m_f) Mass of Pycnometer (g)	33.08	33.62	33.55
m_s) Mass of Dry Soil + Pycnometer (g)	53.11	53.63	53.59
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.03	20.01	20.04
m_a) Mass of Water + Pycnometer (g)	82.71	83.33	83.40
m_b) Mass of Water + Soil + Pycnometer (g)	95.24	95.84	95.91
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.671	2.669	2.661
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.670	2.668	2.660
G_{avg}) Average Specific Gravity at 20 °C	2.666		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 15, 2022	2.721

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-WOS-BH-01
Date Tested	15-Apr-22	Sample #:	167396
Lab Number	G320	Depth (m)	25.6-25.9
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER
MEMBER OF WSP

Specific Gravity of Soils MTO LS-705 Rev.33

Specimen Number	1	2	3
Pycnometer Number	55	58	142
m_f) Mass of Pycnometer (g)	33.65	32.20	31.19
m_s) Mass of Dry Soil + Pycnometer (g)	53.74	52.25	51.28
m_o) Mass of Dry Soil (g) = $m_s - m_f$	20.09	20.05	20.09
m_a) Mass of Water + Pycnometer (g)	83.36	82.03	81.12
m_b) Mass of Water + Soil + Pycnometer (g)	96.05	94.68	93.77
T_x) Test Temperature (0.5 °C)	22.0	22.0	22.0
G) Specific Gravity = $m_o / (m_o + m_a - m_b)$	2.714	2.709	2.701
K) Correction Factor	0.99960	0.99960	0.99960
G_s) Specific Gravity at 20°C = K x G	2.713	2.708	2.700
G_{avg}) Average Specific Gravity at 20 °C	2.707		

Validation Test Data: Control Aggregate (MTO Stock)	
Test Date	Specific Gravity at 20 °C (2.677 to 2.765)
April 15, 2022	2.721

Sample Information

Project Number	21504835-2000	Borehole:	SRK22-HG-BH-01
Date Tested	15-Apr-22	Sample #:	168212
Lab Number	G324	Depth (m)	19.5-19.8
Tested By	HK	Date Reported	April 21, 2022
Input by:	JM	Checked By	TG

GOLDER

SPECIFIC GRAVITY TEST RESULTS

ASTM D 854 TEST METHOD B

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	May 5 2022

Borehole No.	Sample No.	Specific Gravity (Gs20°C)
OP-BD-10	35203	2.69
LG-BH-01	167388	2.71
LG-BH-01	167383	2.73
LGS-BH-08	35243	2.75
LGS-BH-08	35237	2.73
OP-BH-04	35220	2.73

Note: Test carried out on soil particles<4.75mm using distilled water.

GOLDER

SPECIFIC GRAVITY TEST RESULTS

ASTM D 854 TEST METHOD B

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	February 2022

Borehole No.	Sample No.	Specific Gravity (Gs20°C)
SRK21-OP-BH-09	36204	2.75
SRK21-OP-BD-01	58459	2.73

Note: Test carried out on soil particles <4.75mm using distilled water.

GOLDER

SPECIFIC GRAVITY TEST RESULTS

ASTM D 854 TEST METHOD B

PROJECT NUMBER	21504835
PROJECT NAME	SRK_LabSoilTesting_Crawford
DATE TESTED	February 2022

Borehole No.	Sample No.	Specific Gravity (Gs20°C)
SRK21-OP-BH-09	36204	2.75
SRK21-OP-BD-01	58459	2.73

Note: Test carried out on soil particles <4.75mm using distilled water.