



2020 Offsite Groundwater Monitoring Report

Prepared By:

New Gold Inc.
Rainy River Mine
5967 HWY 11/71, P.O. Box 5
Emo, ON P0W 1E0

T 807-482-0900

F 807-482-2834

www.newgold.com

December 2020

Introduction

New Gold Inc. (New Gold) is currently operating and will eventually reclaim an open pit and underground gold mine, the Rainy River Mine (RRM). Through the Environmental Assessment process for construction and operation of the RRM, New Gold committed to an offsite well water quality program. The condition states:

A groundwater level (flow) and quality monitoring program of regular sampling and dipping of dedicated monitoring wells will be implemented to confirm that no area wells are affected by the mine. Furthermore, local well owners will be asked to participate in a well water quality program to monitor water quality in their wells.

The 2020 offsite groundwater sampling program was completed by the New Gold Environment Team in late October and early November with fifteen local well owners participating.

Water Level Measurement

To date, water level data has not been gathered as a part of the offsite groundwater monitoring program. When the program started in 2017, New Gold asked the monitoring program participants if they would consent to New Gold measuring the water level in their wells. The general response was to decline, due to concern of well contamination. New Gold Rainy River has since invested in a sonic water level meter that uses sound waves to measure well water level, which does not require any equipment to be placed in the well to record the water level. Access to the well will be necessary to complete a water level measurement. New Gold will contact you to obtain your consent for a well water level measurement in 2021.

Water Chemistry Summary

The 15 local wells were sampled and analyzed for the same parameters that New Gold Rainy River Mine analyzes for their Regulatory site groundwater monitoring network. Where possible, samples were collected at a location representative of the water quality directly in the local well (pre-treatment) after 20 liters of water (one pail) was purged from each well/tap.

The 2020 offsite groundwater sample results are compared against 2017, 2018, and 2019 sample results, where available. The results are also compared to the Ontario Provincial Water Quality Objectives (PWQO) and Ontario Drinking Water Standards (ODWS), where a limit exists for the parameters tested. The Ontario PWQO were established to protect aquatic life, water resources, and recreational water users. For more information about the Ontario PWQO, call or visit the website for the Ontario Ministry of Environment, Conservation and Parks (MECP). The ODWS, under Ontario Regulation 169/03, are a set of standards to ensure the safety of drinking water. For more information about the ODWS, call or visit the website for the Ontario MECP.

All groundwater results were within the Ontario PWQO standards apart from elevated results for copper (8), iron (12), lead (3), silver (2) and zinc (7). Results highlighted in yellow exceeded the PWQO. All groundwater results were within the ODWS apart from elevated results for arsenic (4). Results highlighted in red exceeded the ODWS.

Table 1 presents the offsite groundwater well water chemistry results for 2020. Where the dissolved metals value is higher than the total metals value, the value was confirmed by re-analysis. Figures 1 through 6 show each parameter that measured higher than the PWQO or CDWG. Individual well result summaries are available in Table 2.

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results

Client Sample ID					OF01-1	OF01-2	OF01-3	OF02	OF03
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	3-Nov-2020	3-Nov-2020	3-Nov-2020	28-Oct-2020	29-Oct-2020
Alkalinity, Total (as CaCO3)	2	mg/L			491	476	553	490	480
Ammonia, Total (as N)	0.02	mg/L			0.474	0.4	0.128	0.728	0.056
Chloride (Cl)	0.1	mg/L			10.2	12.9	1.14	4.66	11.3
Conductivity (EC)	1	uS/cm			962	922	936	894	860
Cyanide, Free	0.002	mg/L		0.2	0.0003	0.0003	0.0003	0.0003	0.0003
Cyanide, Total	0.002	mg/L	0.005	0.2	<0.0002	<0.0002	<0.0002	<0.0002	0.0002
Cyanide, Weak Acid Dissociative	0.002	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Field Temperature	NA	°C			9	10	10	9	12
Hardness (as CaCO3)	0.51	mg/L			457	439	498	444	447
Nitrate (as N)	0.02	mg/L		10	0.014	0.02	0.02	0.016	0.082
Nitrite (as N)	0.01	mg/L		1	<0.001	<0.001	<0.001	0.001	<0.0002
pH	0.1	pH	6.5-8.5	6.5-8.5	8.03	8.1	8.02	8.01	7.99
Sulfate (SO4)	0.3	mg/L			79.3	60.4	18	40.4	18.1
Total Dissolved Solids	20	mg/L			572	546	530	542	506
Aluminum (Al)-Dissolved	0.005	mg/L		0.1	0.0008	0.0002	0.0004	0.0002	0.0004
Aluminum (Al)-Total	0.005	mg/L	0.075		0.0014	0.0006	0.0234	0.0034	0.001
Antimony (Sb)-Dissolved	0.0006	mg/L		0.006	<0.000005	<0.000005	<0.000005	<0.000005	0.00003
Antimony (Sb)-Total	0.0006	mg/L	0.02		<0.000005	<0.000005	0.00002	0.00002	0.00003
Arsenic (As)-Dissolved	0.001	mg/L		0.01	0.0186	0.0186	0.0108	0.0073	0.0009
Arsenic (As)-Total	0.001	mg/L	0.005		0.0189	0.0233	0.0117	0.0077	0.0022
Barium (Ba)-Dissolved	0.01	mg/L		1.0	0.051	0.087	0.105	0.068	0.071
Barium (Ba)-Total	0.01	mg/L			0.053	0.092	0.112	0.072	0.071
Beryllium (Be)-Dissolved	0.001	mg/L			<0.000002	<0.000002	<0.000002	<0.000002	<0.000002
Beryllium (Be)-Total	0.001	mg/L	0.0011		<0.0000001	0.0000078	0.000003	<0.0000001	<0.0000001
Bismuth (Bi)-Dissolved	0.001	mg/L			<0.000002	<0.000002	<0.000002	<0.000002	<0.000002
Bismuth (Bi)-Total	0.001	mg/L			<0.000001	<0.000001	0.000001	<0.000001	<0.000001
Boron (B)-Dissolved	0.05	mg/L		5.0	0.166	0.161	0.055	0.173	0.042
Boron (B)-Total	0.05	mg/L	0.2		0.17	0.163	0.042	0.162	0.041
Cadmium (Cd)-Dissolved	0.000017	mg/L		0.005	0.000002	<0.0000005	0.000002	0.000002	<0.0000005
Cadmium (Cd)-Total	0.000017	mg/L	0.0001		<0.000001	0.000002	0.000004	0.000004	<0.000001
Calcium (Ca)-Dissolved	0.2	mg/L			107	103	99.2	97.8	106
Calcium (Ca)-Total	0.2	mg/L			110	107	100	101	108
Cesium (Cs)-Dissolved	0.00001	mg/L			0.000021	0.000015	0.000008	0.000006	0.000006
Cesium (Cs)-Total	0.00001	mg/L			0.00002	0.000016	0.000014	0.000006	0.000006
Chromium (Cr)-Dissolved	0.001	mg/L		0.05	0.00003	0.00003	0.00007	0.00004	0.00003
Chromium (Cr)-Total	0.001	mg/L	0.001		0.0001	0.00008	0.0004	0.0001	0.0001
Cobalt (Co)-Dissolved	0.0005	mg/L			0.00006	0.00004	0.00005	0.00004	0.00018
Cobalt (Co)-Total	0.0005	mg/L	0.0009		0.00007	0.00005	0.00008	0.00005	0.00021
Copper (Cu)-Dissolved	0.001	mg/L		1	0.0006	0.0011	0.00006	0.0004	0.0007
Copper (Cu)-Total	0.001	mg/L	0.005		<0.00002	0.0021	0.0012	0.0086	0.0034
Iron (Fe)-Dissolved	0.02	mg/L			1.57	2.06	3.03	3.7	1.37
Iron (Fe)-Total	0.02	mg/L	0.3		1.64	2.51	3.79	4	1.26
Lead (Pb)-Dissolved	0.00005	mg/L		0.01	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Lead (Pb)-Total	0.00005	mg/L	0.001		<0.00001	0.00003	0.00005	0.00011	0.00002
Lithium (Li)-Dissolved	0.05	mg/L			0.05	0.044	0.038	0.038	0.026
Lithium (Li)-Total	0.05	mg/L			0.053	0.046	0.038	0.041	0.028

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF01-1	OF01-2	OF01-3	OF02	OF03
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	3-Nov-2020	3-Nov-2020	3-Nov-2020	28-Oct-2020	29-Oct-2020
Magnesium (Mg)-Dissolved	0.02	mg/L			46.2	43.9	60.9	48.6	44.3
Magnesium (Mg)-Total	0.02	mg/L			48.7	44.5	61.6	49.5	45.6
Manganese (Mn)-Dissolved	0.001	mg/L			0.335	0.376	0.365	0.219	0.231
Manganese (Mn)-Total	0.001	mg/L			0.347	0.39	0.377	0.223	0.238
Mercury (Hg)-Dissolved	0.00003	mg/L		0.001	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Mercury (Hg)-Total	0.00003	mg/L	0.0002		<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Molybdenum (Mo)-Dissolved	0.001	mg/L			0.0033	0.0028	0.0033	0.0019	0.0025
Molybdenum (Mo)-Total	0.001	mg/L	0.04		0.0034	0.003	0.0035	0.002	0.0026
Nickel (Ni)-Dissolved	0.002	mg/L			0.0003	0.0004	0.0002	0.0002	0.0008
Nickel (Ni)-Total	0.002	mg/L	0.025		0.0002	0.0002	0.0004	0.0003	0.0008
Phosphorus (P)-Dissolved	0.05	mg/L			<0.005	0.01	0.035	0.035	<0.005
Phosphorus (P)-Total	0.05	mg/L	0.03		0.02	0.03	0.08	0.06	0.01
Potassium (K)-Dissolved	0.5	mg/L			5.51	5.2	4.92	5.86	3.25
Potassium (K)-Total	0.5	mg/L			5.63	5.33	5.13	6.28	3.38
Rubidium (Rb)-Dissolved	0.0002	mg/L			0.00146	0.00128	0.00176	0.00133	0.0011
Rubidium (Rb)-Total	0.0002	mg/L			0.00146	0.00129	0.00181	0.00136	0.00119
Selenium (Se)-Dissolved	0.00005	mg/L		0.05	0.000015	0.00001	0.00003	0.000005	0.00023
Selenium (Se)-Total	0.00005	mg/L	0.1		0.00003	0.000035	0.000015	0.000025	0.00029
Silicon (Si)-Dissolved	0.05	mg/L			10.8	11.3	13.1	10.4	12.1
Silicon (Si)-Total	0.1	mg/L			11.5	11.7	13	11.7	12.9
Silver (Ag)-Dissolved	0.0001	mg/L			0.00001	0.000001	0.000004	0.000003	<0.0000005
Silver (Ag)-Total	0.0001	mg/L	0.0001		0.000007	0.000001	0.000005	0.000002	<0.000001
Sodium (Na)-Dissolved	0.1	mg/L			29.9	28.4	11.7	30.5	13.7
Sodium (Na)-Total	0.1	mg/L			31.8	29.8	12.2	32	14.3
Strontium (Sr)-Dissolved	0.001	mg/L			1.03	0.975	0.435	0.791	0.31
Strontium (Sr)-Total	0.001	mg/L			1.06	1.02	0.447	0.797	0.313
Sulfur (S)-Dissolved	0.5	mg/L			23.6	19	6	13	5.8
Sulfur (S)-Total	0.5	mg/L			24	18.2	6	14.4	6.6
Tellurium (Te)-Dissolved	0.001	mg/L			0.00002	0.00003	<0.00001	0.00001	0.00005
Tellurium (Te)-Total	0.001	mg/L			0.00006	0.00008	<0.00002	0.00004	0.00002
Thallium (Tl)-Dissolved	0.0003	mg/L			<0.000002	<0.000002	<0.000002	<0.000002	<0.000002
Thallium (Tl)-Total	0.0003	mg/L	0.0003		<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Thorium (Th)-Dissolved	0.0001	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Thorium (Th)-Total	0.0001	mg/L			<0.00001	<0.00001	0.00001	<0.00001	<0.00001
Tin (Sn)-Dissolved	0.001	mg/L			<0.000005	0.000015	<0.000005	0.000005	<0.000005
Tin (Sn)-Total	0.001	mg/L			0.00002	0.00003	0.00005	0.00005	0.00002
Titanium (Ti)-Dissolved	0.002	mg/L			0.00002	<0.00002	0.00008	<0.00002	<0.00002
Titanium (Ti)-Total	0.002	mg/L			0.0002	0.00006	0.0012	0.0002	0.0002
Tungsten (W)-Dissolved	0.01	mg/L			0.000072	0.000046	0.000054	0.000066	0.000024
Tungsten (W)-Total	0.01	mg/L			0.00007	0.00005	0.00006	0.00008	0.00002
Uranium (U)-Dissolved	0.005	mg/L		0.02	0.002	0.0017	0.0011	0.0016	0.0031
Uranium (U)-Total	0.005	mg/L	0.005		0.0021	0.0017	0.0012	0.0016	0.0033
Vanadium (V)-Dissolved	0.001	mg/L			<0.00002	<0.00002	0.00002	0.00004	0.00008
Vanadium (V)-Total	0.001	mg/L	0.006		0.00005	<0.00005	0.0002	0.00005	0.0002
Zinc (Zn)-Dissolved	0.003	mg/L			0.0036	0.0126	0.0008	0.0032	0.0084
Zinc (Zn)-Total	0.003	mg/L	0.02		<0.0005	0.009	0.0025	0.0035	0.009
Zirconium (Zr)-Dissolved	0.001	mg/L			0.0002	0.00007	0.0006	0.00006	0.00009
Zirconium (Zr)-Total	0.001	mg/L	0.004		0.0002	0.0001	0.0007	0.00008	0.0001

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF04	OF05	OF06	OF07
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	28-Oct-2020	28-Oct-2020	28-Oct-2020	29-Oct-2020
Alkalinity, Total (as CaCO3)	2	mg/L			549	488	590	514
Ammonia, Total (as N)	0.02	mg/L			0.096	0.082	0.048	0.2
Chloride (Cl)	0.1	mg/L			101	4.21	13.70	9.27
Conductivity (EC)	1	uS/cm			1260	860	1100	992
Cyanide, Free	0.002	mg/L		0.2	0.0004	0.0002	<0.0001	0.0001
Cyanide, Total	0.002	mg/L	0.005	0.2	<0.0002	<0.0002	<0.0002	0.0006
Cyanide, Weak Acid Dissociative	0.002	mg/L			<0.0001	<0.0001	<0.0001	0.0002
Field Temperature	NA	°C			10	9	12	15
Hardness (as CaCO3)	0.51	mg/L			594	449	3.26	540
Nitrate (as N)	0.02	mg/L		10	0.774	0.013	0.079	0.019
Nitrite (as N)	0.01	mg/L		1	0.0008	0.0002	0.004	0.002
pH	0.1	pH	6.5-8.5	6.5-8.5	7.91	7.93	8.04	8.01
Sulfate (SO4)	0.3	mg/L			29.2	24	15.9	77.3
Total Dissolved Solids	20	mg/L			748	498	694	618
Aluminum (Al)-Dissolved	0.005	mg/L		0.1	0.001	<0.0002	0.001	0.0004
Aluminum (Al)-Total	0.005	mg/L	0.075		0.0034	0.0016	0.0076	0.0022
Antimony (Sb)-Dissolved	0.0006	mg/L		0.006	0.00042	0.00005	0.00004	0.00001
Antimony (Sb)-Total	0.0006	mg/L	0.02		0.00041	0.00003	0.00008	0.00001
Arsenic (As)-Dissolved	0.001	mg/L		0.01	0.0007	0.0019	0.0007	0.0005
Arsenic (As)-Total	0.001	mg/L	0.005		0.00098	0.0022	0.0008	0.0007
Barium (Ba)-Dissolved	0.01	mg/L		1.0	0.11	0.093	0.0007	0.02
Barium (Ba)-Total	0.01	mg/L			0.11	0.095	0.0008	0.021
Beryllium (Be)-Dissolved	0.001	mg/L			<0.000002	<0.000002	<0.000002	<0.000002
Beryllium (Be)-Total	0.001	mg/L	0.0011		<0.000001	<0.000001	<0.000001	<0.000001
Bismuth (Bi)-Dissolved	0.001	mg/L			<0.000002	0.000006	<0.000002	<0.000002
Bismuth (Bi)-Total	0.001	mg/L			0.00001	<0.00001	0.00002	<0.00001
Boron (B)-Dissolved	0.05	mg/L		5.0	0.139	0.043	0.056	0.079
Boron (B)-Total	0.05	mg/L	0.2		0.141	0.043	0.046	0.082
Cadmium (Cd)-Dissolved	0.000017	mg/L		0.005	0.000004	0.000005	0.000003	0.000054
Cadmium (Cd)-Total	0.000017	mg/L	0.0001		0.000008	0.000006	0.000005	0.000045
Calcium (Ca)-Dissolved	0.2	mg/L			124	102	0.85	110
Calcium (Ca)-Total	0.2	mg/L			127	104	0.84	121
Cesium (Cs)-Dissolved	0.00001	mg/L			0.00022	0.000023	0.000006	0.000081
Cesium (Cs)-Total	0.00001	mg/L			0.000223	0.000023	0.000007	0.000087
Chromium (Cr)-Dissolved	0.001	mg/L		0.05	0.00004	0.00004	0.00007	0.00002
Chromium (Cr)-Total	0.001	mg/L	0.001		0.0001	0.0001	0.0002	0.0002
Cobalt (Co)-Dissolved	0.0005	mg/L			0.00025	0.00047	0.00004	0.00247
Cobalt (Co)-Total	0.0005	mg/L	0.0009		0.00028	0.0005	0.00005	0.00248
Copper (Cu)-Dissolved	0.001	mg/L		1	0.0273	0.0046	0.131	0.0041
Copper (Cu)-Total	0.001	mg/L	0.005		0.0314	0.0082	0.152	0.009
Iron (Fe)-Dissolved	0.02	mg/L			0.04	0.731	0.011	0.273
Iron (Fe)-Total	0.02	mg/L	0.3		0.121	0.833	0.076	0.379
Lead (Pb)-Dissolved	0.00005	mg/L		0.01	0.00016	0.00002	0.00112	0.00016
Lead (Pb)-Total	0.00005	mg/L	0.001		0.00077	0.0001	0.00306	0.0056
Lithium (Li)-Dissolved	0.05	mg/L			0.014	0.029	0.001	0.051
Lithium (Li)-Total	0.05	mg/L			0.015	0.032	0.002	0.057

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF04	OF05	OF06	OF07
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	28-Oct-2020	28-Oct-2020	28-Oct-2020	29-Oct-2020
Magnesium (Mg)-Dissolved	0.02	mg/L			69	47.2	0.274	64.6
Magnesium (Mg)-Total	0.02	mg/L			69.8	49.9	0.268	65.6
Manganese (Mn)-Dissolved	0.001	mg/L			0.0586	0.196	0.0011	0.981
Manganese (Mn)-Total	0.001	mg/L			0.0664	0.2	0.0022	1
Mercury (Hg)-Dissolved	0.00003	mg/L		0.001	<0.000005	<0.000005	<0.000005	<0.000005
Mercury (Hg)-Total	0.00003	mg/L	0.0002		<0.000005	<0.000005	<0.000005	<0.000005
Molybdenum (Mo)-Dissolved	0.001	mg/L			0.003	0.0035	0.0042	0.0013
Molybdenum (Mo)-Total	0.001	mg/L	0.04		0.0031	0.0037	0.0045	0.0015
Nickel (Ni)-Dissolved	0.002	mg/L			0.0039	0.00096	0.0205	0.0005
Nickel (Ni)-Total	0.002	mg/L	0.025		0.0043	0.0011	0.0213	0.0005
Phosphorus (P)-Dissolved	0.05	mg/L			<0.005	<0.005	0.02	<0.005
Phosphorus (P)-Total	0.05	mg/L	0.03		0.015	0.01	0.045	0.005
Potassium (K)-Dissolved	0.5	mg/L			3.29	4.45	3.69	4.94
Potassium (K)-Total	0.5	mg/L			3.28	4.69	3.83	5.11
Rubidium (Rb)-Dissolved	0.0002	mg/L			0.00128	0.0064	0.00128	0.00172
Rubidium (Rb)-Total	0.0002	mg/L			0.0014	0.00666	0.00124	0.00172
Selenium (Se)-Dissolved	0.00005	mg/L		0.05	0.00163	0.00005	0.00022	0.00001
Selenium (Se)-Total	0.00005	mg/L	0.1		0.00151	0.00008	0.00023	0.00003
Silicon (Si)-Dissolved	0.05	mg/L			9	9.45	10.3	9.94
Silicon (Si)-Total	0.1	mg/L			9.86	10.2	10.8	10.9
Silver (Ag)-Dissolved	0.0001	mg/L			0.000005	0.000002	0.00008	0.000001
Silver (Ag)-Total	0.0001	mg/L	0.0001		0.00001	0.000003	0.00022	0.000005
Sodium (Na)-Dissolved	0.1	mg/L			40.7	11.1	263	18.6
Sodium (Na)-Total	0.1	mg/L			42.7	11.5	273	19.2
Strontium (Sr)-Dissolved	0.001	mg/L			1.07	0.334	0.0027	0.659
Strontium (Sr)-Total	0.001	mg/L			1.09	0.344	0.0026	0.718
Sulfur (S)-Dissolved	0.5	mg/L			10.6	8	5.6	26.8
Sulfur (S)-Total	0.5	mg/L			10.8	8.4	5.8	26
Tellurium (Te)-Dissolved	0.001	mg/L			<0.00001	<0.00001	0.00001	0.00002
Tellurium (Te)-Total	0.001	mg/L			0.00008	0.00004	0.00002	0.00006
Thallium (Tl)-Dissolved	0.0003	mg/L			0.000002	0.00001	<0.000002	0.000002
Thallium (Tl)-Total	0.0003	mg/L	0.0003		<0.000005	<0.000005	0.00001	<0.000005
Thorium (Th)-Dissolved	0.0001	mg/L			<0.00001	<0.00001	<0.00001	<0.00001
Thorium (Th)-Total	0.0001	mg/L			<0.00001	<0.00001	0.00001	<0.00001
Tin (Sn)-Dissolved	0.001	mg/L			0.00006	0.000005	0.000025	<0.000005
Tin (Sn)-Total	0.001	mg/L			0.0003	0.0001	0.0009	0.0002
Titanium (Ti)-Dissolved	0.002	mg/L			0.00002	<0.00002	0.00004	<0.00002
Titanium (Ti)-Total	0.002	mg/L			0.0002	0.0001	0.0003	0.0001
Tungsten (W)-Dissolved	0.01	mg/L			0.000114	0.000014	0.00001	0.000006
Tungsten (W)-Total	0.01	mg/L			0.00013	0.00001	0.00002	0.00001
Uranium (U)-Dissolved	0.005	mg/L		0.02	0.0021	0.0044	0.0064	0.0047
Uranium (U)-Total	0.005	mg/L	0.005		0.0022	0.0046	0.0067	0.0052
Vanadium (V)-Dissolved	0.001	mg/L			0.0002	0.00006	0.0004	0.00002
Vanadium (V)-Total	0.001	mg/L	0.006		0.0003	0.00005	0.0007	0.0001
Zinc (Zn)-Dissolved	0.003	mg/L			0.0416	0.0018	0.0642	0.0024
Zinc (Zn)-Total	0.003	mg/L	0.02		0.0615	0.002	0.0685	0.003
Zirconium (Zr)-Dissolved	0.001	mg/L			0.0005	0.0002	0.0002	0.000024
Zirconium (Zr)-Total	0.001	mg/L	0.004		0.0006	0.0002	0.0002	0.000044

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF08	OF09	OF10	OF11
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	29-Oct-2020	28-Oct-2020	28-Oct-2020	29-Oct-2020
Alkalinity, Total (as CaCO3)	2	mg/L			422	552	441	574
Ammonia, Total (as N)	0.02	mg/L			0.042	0.21	0.054	0.066
Chloride (Cl)	0.1	mg/L			46.1	1.07	42.8	8.44
Conductivity (EC)	1	uS/cm			883	953	924	982
Cyanide, Free	0.002	mg/L		0.2	0.0004	0.0005	0.0003	0.0003
Cyanide, Total	0.002	mg/L	0.005	0.2	0.0006	<0.0002	<0.0002	0.0006
Cyanide, Weak Acid Dissociative	0.002	mg/L			0.001	<0.0001	<0.0001	0.0007
Field Temperature	NA	°C			10	12	10	15
Hardness (as CaCO3)	0.51	mg/L			425	524	370	552
Nitrate (as N)	0.02	mg/L		10	0.708	0.036	2.12	0.077
Nitrite (as N)	0.01	mg/L		1	0.0008	0.001	0.0006	0.0022
pH	0.1	pH	6.5-8.5	6.5-8.5	7.96	7.99	7.98	7.98
Sulfate (SO4)	0.3	mg/L			11	35.4	21.3	7.33
Total Dissolved Solids	20	mg/L			516	558	532	540
Aluminum (Al)-Dissolved	0.005	mg/L		0.1	0.0004	0.0004	0.0014	0.0002
Aluminum (Al)-Total	0.005	mg/L	0.075		0.0008	0.0042	0.0052	0.0024
Antimony (Sb)-Dissolved	0.0006	mg/L		0.006	0.00002	0.00001	0.0001	0.00015
Antimony (Sb)-Total	0.0006	mg/L	0.02		0.00002	0.00002	0.00012	0.00015
Arsenic (As)-Dissolved	0.001	mg/L		0.01	0.0003	0.0056	0.0004	0.0014
Arsenic (As)-Total	0.001	mg/L	0.005		0.0004	0.0074	0.0004	0.0017
Barium (Ba)-Dissolved	0.01	mg/L		1.0	0.095	0.104	0.086	0.11
Barium (Ba)-Total	0.01	mg/L			0.098	0.11	0.085	0.11
Beryllium (Be)-Dissolved	0.001	mg/L			<0.000002	<0.000002	<0.000002	<0.000002
Beryllium (Be)-Total	0.001	mg/L	0.0011		<0.000001	<0.000001	<0.000001	<0.000001
Bismuth (Bi)-Dissolved	0.001	mg/L			<0.000002	<0.000002	<0.000002	<0.000002
Bismuth (Bi)-Total	0.001	mg/L			<0.00001	<0.00001	<0.00001	<0.00001
Boron (B)-Dissolved	0.05	mg/L		5.0	0.031	0.068	0.082	0.032
Boron (B)-Total	0.05	mg/L	0.2		0.029	0.061	0.074	0.029
Cadmium (Cd)-Dissolved	0.000017	mg/L		0.005	0.000008	0.000004	0.00004	0.00002
Cadmium (Cd)-Total	0.000017	mg/L	0.0001		0.000025	0.000004	0.000042	0.000027
Calcium (Ca)-Dissolved	0.2	mg/L			112	98.4	81.1	107
Calcium (Ca)-Total	0.2	mg/L			116	102	82.8	108
Cesium (Cs)-Dissolved	0.00001	mg/L			0.000056	0.000013	0.000004	0.000006
Cesium (Cs)-Total	0.00001	mg/L			0.000055	0.000011	0.000002	0.000007
Chromium (Cr)-Dissolved	0.001	mg/L		0.05	0.00004	0.00004	0.0004	0.00006
Chromium (Cr)-Total	0.001	mg/L	0.001		0.0001	0.00006	0.0005	0.0001
Cobalt (Co)-Dissolved	0.0005	mg/L			0.00256	0.00006	0.00065	0.0011
Cobalt (Co)-Total	0.0005	mg/L	0.0009		0.00267	0.00006	0.00067	0.00116
Copper (Cu)-Dissolved	0.001	mg/L		1	0.0009	0.00096	0.111	0.0086
Copper (Cu)-Total	0.001	mg/L	0.005		0.0033	0.0034	0.12	0.0147
Iron (Fe)-Dissolved	0.02	mg/L			1.62	2.39	0.003	0.854
Iron (Fe)-Total	0.02	mg/L	0.3		1.61	2.87	0.034	1.1
Lead (Pb)-Dissolved	0.00005	mg/L		0.01	0.00009	<0.00001	0.00122	0.0001
Lead (Pb)-Total	0.00005	mg/L	0.001		0.00018	0.00006	0.00167	0.00081
Lithium (Li)-Dissolved	0.05	mg/L			0.01	0.049	0.017	0.024
Lithium (Li)-Total	0.05	mg/L			0.011	0.051	0.018	0.025

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF08	OF09	OF10	OF11
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	29-Oct-2020	28-Oct-2020	28-Oct-2020	29-Oct-2020
Magnesium (Mg)-Dissolved	0.02	mg/L			35.5	67.5	40.5	68.8
Magnesium (Mg)-Total	0.02	mg/L			37.2	68.6	41.3	70.2
Manganese (Mn)-Dissolved	0.001	mg/L			0.411	0.408	0.0046	0.199
Manganese (Mn)-Total	0.001	mg/L			0.422	0.421	0.0064	0.201
Mercury (Hg)-Dissolved	0.00003	mg/L		0.001	<0.000005	<0.000005	<0.000005	<0.000005
Mercury (Hg)-Total	0.00003	mg/L	0.0002		<0.000005	<0.000005	<0.000005	<0.000005
Molybdenum (Mo)-Dissolved	0.001	mg/L			0.00098	0.0053	0.003	0.0047
Molybdenum (Mo)-Total	0.001	mg/L	0.04		0.0011	0.0056	0.0031	0.0049
Nickel (Ni)-Dissolved	0.002	mg/L			0.0019	0.0002	0.0059	0.0029
Nickel (Ni)-Total	0.002	mg/L	0.025		0.002	0.0003	0.006	0.0031
Phosphorus (P)-Dissolved	0.05	mg/L			<0.005	<0.005	<0.005	<0.005
Phosphorus (P)-Total	0.05	mg/L	0.03		0.01	0.03	0.015	0.015
Potassium (K)-Dissolved	0.5	mg/L			3.12	5.67	3.85	1.59
Potassium (K)-Total	0.5	mg/L			3.34	5.75	3.91	1.64
Rubidium (Rb)-Dissolved	0.0002	mg/L			0.00314	0.00151	0.00042	0.00188
Rubidium (Rb)-Total	0.0002	mg/L			0.00327	0.00147	0.00039	0.00193
Selenium (Se)-Dissolved	0.00005	mg/L		0.05	0.00011	0.000025	0.002	0.0003
Selenium (Se)-Total	0.00005	mg/L	0.1		0.000085	0.00004	0.00166	0.0003
Silicon (Si)-Dissolved	0.05	mg/L			9.39	12.1	11.6	11.6
Silicon (Si)-Total	0.1	mg/L			10.2	13.2	12.7	12.7
Silver (Ag)-Dissolved	0.0001	mg/L			0.000009	0.000001	0.000002	0.000002
Silver (Ag)-Total	0.0001	mg/L	0.0001		0.00001	0.00024	0.000008	0.000005
Sodium (Na)-Dissolved	0.1	mg/L			12.6	15.2	51.3	6.68
Sodium (Na)-Total	0.1	mg/L			12.9	15.9	54.3	6.98
Strontium (Sr)-Dissolved	0.001	mg/L			0.231	0.542	0.138	0.258
Strontium (Sr)-Total	0.001	mg/L			0.235	0.547	0.143	0.264
Sulfur (S)-Dissolved	0.5	mg/L			3.6	11.8	7	2.2
Sulfur (S)-Total	0.5	mg/L			3.6	11.4	7.2	2.8
Tellurium (Te)-Dissolved	0.001	mg/L			<0.00001	0.00004	<0.00001	0.00002
Tellurium (Te)-Total	0.001	mg/L			0.00002	0.00004	0.00004	0.00004
Thallium (Tl)-Dissolved	0.0003	mg/L			0.000004	<0.000002	0.000006	0.000004
Thallium (Tl)-Total	0.0003	mg/L	0.0003		<0.000005	<0.000005	0.000005	0.000005
Thorium (Th)-Dissolved	0.0001	mg/L			<0.00001	<0.00001	<0.00001	<0.00001
Thorium (Th)-Total	0.0001	mg/L			<0.00001	<0.00001	<0.00001	<0.00001
Tin (Sn)-Dissolved	0.001	mg/L			<0.000005	<0.000005	0.00001	0.00001
Tin (Sn)-Total	0.001	mg/L			0.00005	0.00009	0.0001	0.0002
Titanium (Ti)-Dissolved	0.002	mg/L			<0.00002	<0.00002	<0.00002	<0.00002
Titanium (Ti)-Total	0.002	mg/L			0.00006	0.0003	0.0003	0.0002
Tungsten (W)-Dissolved	0.01	mg/L			0.00002	0.000068	0.000002	0.000002
Tungsten (W)-Total	0.01	mg/L			0.00002	0.00008	<0.00001	<0.00001
Uranium (U)-Dissolved	0.005	mg/L		0.02	0.0011	0.0018	0.0019	0.0027
Uranium (U)-Total	0.005	mg/L	0.005		0.0012	0.0018	0.002	0.0028
Vanadium (V)-Dissolved	0.001	mg/L			0.0001	<0.00002	0.0005	0.0002
Vanadium (V)-Total	0.001	mg/L	0.006		0.0001	0.0001	0.0006	0.0003
Zinc (Zn)-Dissolved	0.003	mg/L			0.0224	0.0106	0.044	0.0682
Zinc (Zn)-Total	0.003	mg/L	0.02		0.0275	0.0105	0.052	0.0685
Zirconium (Zr)-Dissolved	0.001	mg/L			0.00001	0.0002	0.00009	0.0002
Zirconium (Zr)-Total	0.001	mg/L	0.004		0.000014	0.0002	0.0001	0.0002

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF12	OF13
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	29-Oct-2020	2-Nov-2020
Alkalinity, Total (as CaCO3)	2	mg/L			400	575
Ammonia, Total (as N)	0.02	mg/L			0.24	0.044
Chloride (Cl)	0.1	mg/L			3.38	7.14
Conductivity (EC)	1	uS/cm			728	977
Cyanide, Free	0.002	mg/L		0.2	0.0002	0.0006
Cyanide, Total	0.002	mg/L	0.005	0.2	<0.0002	<0.0002
Cyanide, Weak Acid Dissociative	0.002	mg/L			<0.0001	0.0003
Field Temperature	NA	°C			14	
Hardness (as CaCO3)	0.51	mg/L			356	523
Nitrate (as N)	0.02	mg/L		10	0.041	0.096
Nitrite (as N)	0.01	mg/L		1	<0.0002	0.014
pH	0.1	pH	6.5-8.5	6.5-8.5	8.21	7.63
Sulfate (SO4)	0.3	mg/L			23.2	19.8
Total Dissolved Solids	20	mg/L			436	548
Aluminum (Al)-Dissolved	0.005	mg/L		0.1	0.0006	0.0004
Aluminum (Al)-Total	0.005	mg/L	0.075		0.0016	<0.0002
Antimony (Sb)-Dissolved	0.0006	mg/L		0.006	0.00002	0.00004
Antimony (Sb)-Total	0.0006	mg/L	0.02		0.00003	0.00004
Arsenic (As)-Dissolved	0.001	mg/L		0.01	0.0111	0.0002
Arsenic (As)-Total	0.001	mg/L	0.005		0.011	0.0004
Barium (Ba)-Dissolved	0.01	mg/L		1.0	0.093	0.127
Barium (Ba)-Total	0.01	mg/L			0.097	0.136
Beryllium (Be)-Dissolved	0.001	mg/L			<0.000002	<0.000002
Beryllium (Be)-Total	0.001	mg/L	0.0011		<0.0000001	<0.0000001
Bismuth (Bi)-Dissolved	0.001	mg/L			<0.000002	<0.000002
Bismuth (Bi)-Total	0.001	mg/L			<0.00001	<0.00001
Boron (B)-Dissolved	0.05	mg/L		5.0	0.095	0.018
Boron (B)-Total	0.05	mg/L	0.2		0.09	0.014
Cadmium (Cd)-Dissolved	0.000017	mg/L		0.005	0.000015	0.000047
Cadmium (Cd)-Total	0.000017	mg/L	0.0001		0.000014	0.000063
Calcium (Ca)-Dissolved	0.2	mg/L			85.4	104
Calcium (Ca)-Total	0.2	mg/L			86.6	108
Cesium (Cs)-Dissolved	0.00001	mg/L			0.000012	0.000013
Cesium (Cs)-Total	0.00001	mg/L			0.000012	0.000012
Chromium (Cr)-Dissolved	0.001	mg/L		0.05	0.00005	0.00004
Chromium (Cr)-Total	0.001	mg/L	0.001		0.0001	0.0001
Cobalt (Co)-Dissolved	0.0005	mg/L			0.00013	0.00064
Cobalt (Co)-Total	0.0005	mg/L	0.0009		0.00014	0.00064
Copper (Cu)-Dissolved	0.001	mg/L		1	0.0011	0.0021
Copper (Cu)-Total	0.001	mg/L	0.005		0.0099	0.0039
Iron (Fe)-Dissolved	0.02	mg/L			0.582	0.587
Iron (Fe)-Total	0.02	mg/L	0.3		0.644	1.48
Lead (Pb)-Dissolved	0.00005	mg/L		0.01	<0.00001	<0.00001
Lead (Pb)-Total	0.00005	mg/L	0.001		0.0002	0.00004
Lithium (Li)-Dissolved	0.05	mg/L			0.034	0.026
Lithium (Li)-Total	0.05	mg/L			0.036	0.028

Table 1: Off Site Groundwater 2020 Water Chemistry Sample Results continued

Client Sample ID					OF12	OF13
Parameter	Lowest Detection Limit	Units	PWQO	ODWS	29-Oct-2020	2-Nov-2020
Magnesium (Mg)-Dissolved	0.02	mg/L			34.6	64.1
Magnesium (Mg)-Total	0.02	mg/L			35.1	67.1
Manganese (Mn)-Dissolved	0.001	mg/L			0.342	0.449
Manganese (Mn)-Total	0.001	mg/L			0.358	0.468
Mercury (Hg)-Dissolved	0.00003	mg/L		0.001	<0.000005	<0.000005
Mercury (Hg)-Total	0.00003	mg/L	0.0002		<0.000005	<0.000005
Molybdenum (Mo)-Dissolved	0.001	mg/L			0.0042	0.0071
Molybdenum (Mo)-Total	0.001	mg/L	0.04		0.0045	0.0075
Nickel (Ni)-Dissolved	0.002	mg/L			0.0021	0.0059
Nickel (Ni)-Total	0.002	mg/L	0.025		0.0022	0.0062
Phosphorus (P)-Dissolved	0.05	mg/L			0.125	<0.005
Phosphorus (P)-Total	0.05	mg/L	0.03		0.08	0.015
Potassium (K)-Dissolved	0.5	mg/L			5.19	3.52
Potassium (K)-Total	0.5	mg/L			5.21	3.76
Rubidium (Rb)-Dissolved	0.0002	mg/L			0.0015	0.00372
Rubidium (Rb)-Total	0.0002	mg/L			0.00158	0.00389
Selenium (Se)-Dissolved	0.00005	mg/L		0.05	0.000015	0.00022
Selenium (Se)-Total	0.00005	mg/L	0.1		0.000025	0.000175
Silicon (Si)-Dissolved	0.05	mg/L			11.1	11.3
Silicon (Si)-Total	0.1	mg/L			12	12
Silver (Ag)-Dissolved	0.0001	mg/L			0.00002	0.000001
Silver (Ag)-Total	0.0001	mg/L	0.0001		0.00001	0.000001
Sodium (Na)-Dissolved	0.1	mg/L			18.4	11
Sodium (Na)-Total	0.1	mg/L			19.8	11.4
Strontium (Sr)-Dissolved	0.001	mg/L			0.606	0.184
Strontium (Sr)-Total	0.001	mg/L			0.642	0.189
Sulfur (S)-Dissolved	0.5	mg/L			7.6	6
Sulfur (S)-Total	0.5	mg/L			7.4	6
Tellurium (Te)-Dissolved	0.001	mg/L			0.00001	<0.00001
Tellurium (Te)-Total	0.001	mg/L			0.00006	0.00002
Thallium (Tl)-Dissolved	0.0003	mg/L			<0.000002	0.00001
Thallium (Tl)-Total	0.0003	mg/L	0.0003		<0.000005	0.00002
Thorium (Th)-Dissolved	0.0001	mg/L			<0.00001	<0.00001
Thorium (Th)-Total	0.0001	mg/L			<0.00001	<0.00001
Tin (Sn)-Dissolved	0.001	mg/L			0.00001	0.000005
Tin (Sn)-Total	0.001	mg/L			0.00006	0.00002
Titanium (Ti)-Dissolved	0.002	mg/L			<0.00002	<0.00002
Titanium (Ti)-Total	0.002	mg/L			0.0001	0.00007
Tungsten (W)-Dissolved	0.01	mg/L			0.00007	0.00001
Tungsten (W)-Total	0.01	mg/L			0.00007	0.00001
Uranium (U)-Dissolved	0.005	mg/L		0.02	0.0125	0.0031
Uranium (U)-Total	0.005	mg/L	0.005		0.0131	0.0033
Vanadium (V)-Dissolved	0.001	mg/L			0.0002	0.00008
Vanadium (V)-Total	0.001	mg/L	0.006		0.0002	0.0003
Zinc (Zn)-Dissolved	0.003	mg/L			0.0236	0.0604
Zinc (Zn)-Total	0.003	mg/L	0.02		0.027	0.064
Zirconium (Zr)-Dissolved	0.001	mg/L			0.00009	0.00007
Zirconium (Zr)-Total	0.001	mg/L	0.004		0.00008	0.0001

Figure 1: Arsenic Concentration in Offsite Wells

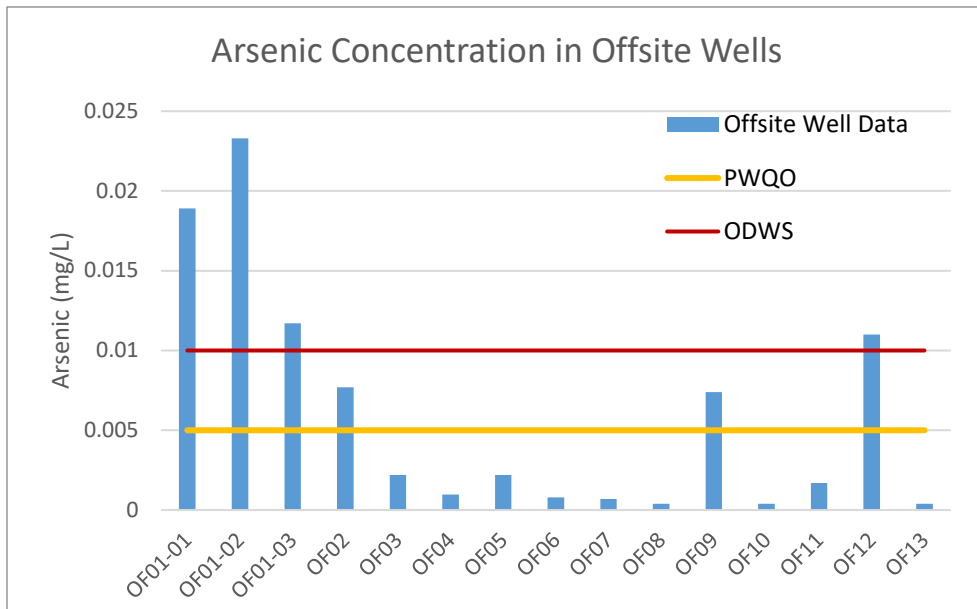


Figure 2: Copper Concentration in Offsite Wells

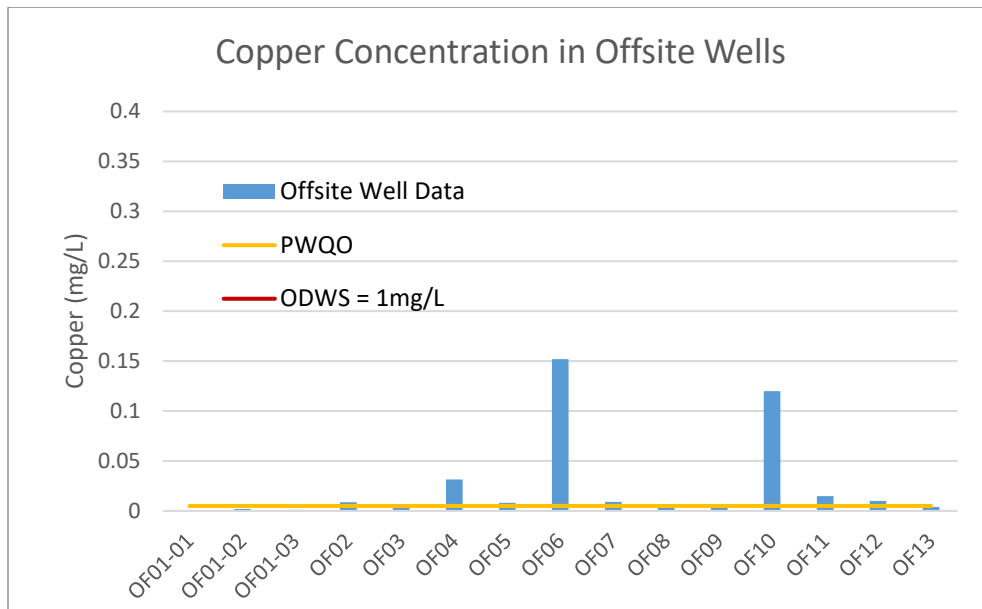


Figure 3: Iron Concentration in Offsite Wells

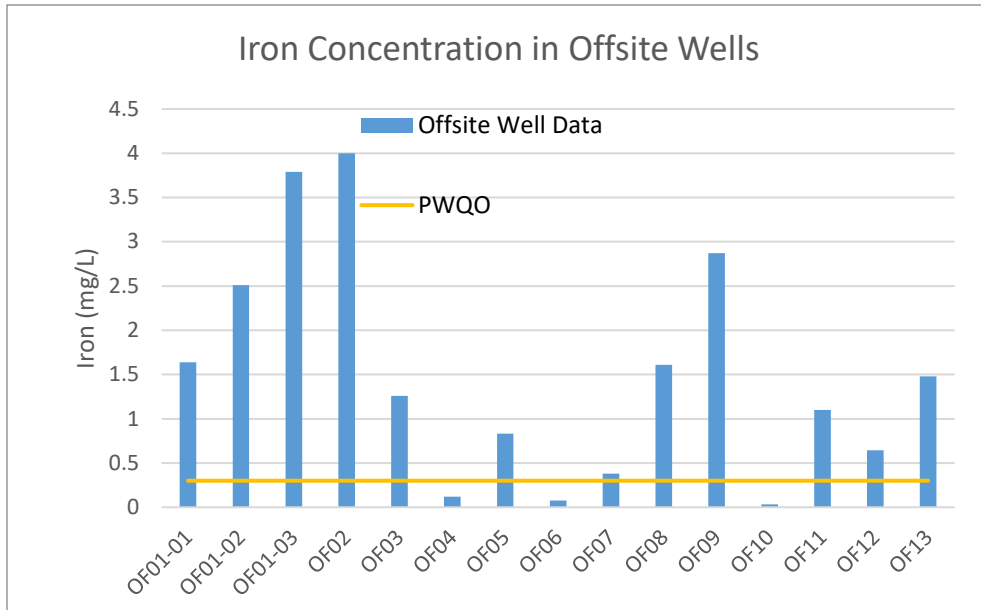


Figure 4: Lead Concentration in Offsite Wells

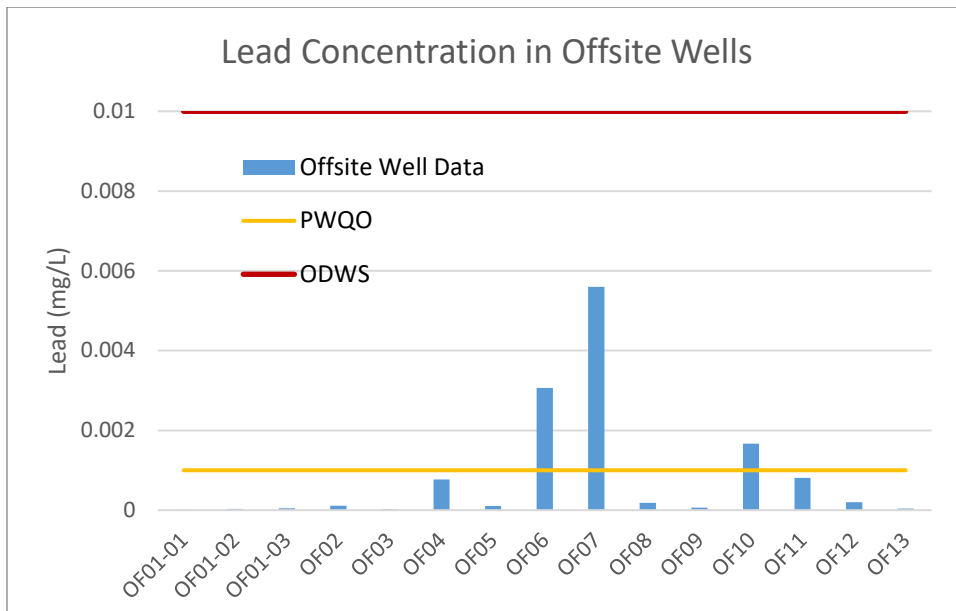


Figure 5: Silver Concentration in Offsite Wells

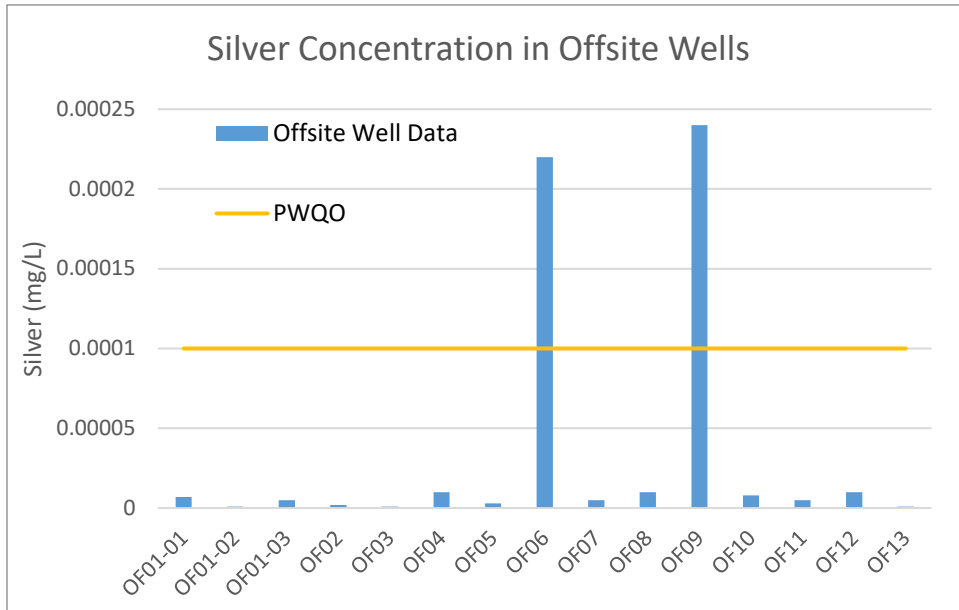


Figure 6: Zinc Concentration in Offsite Wells

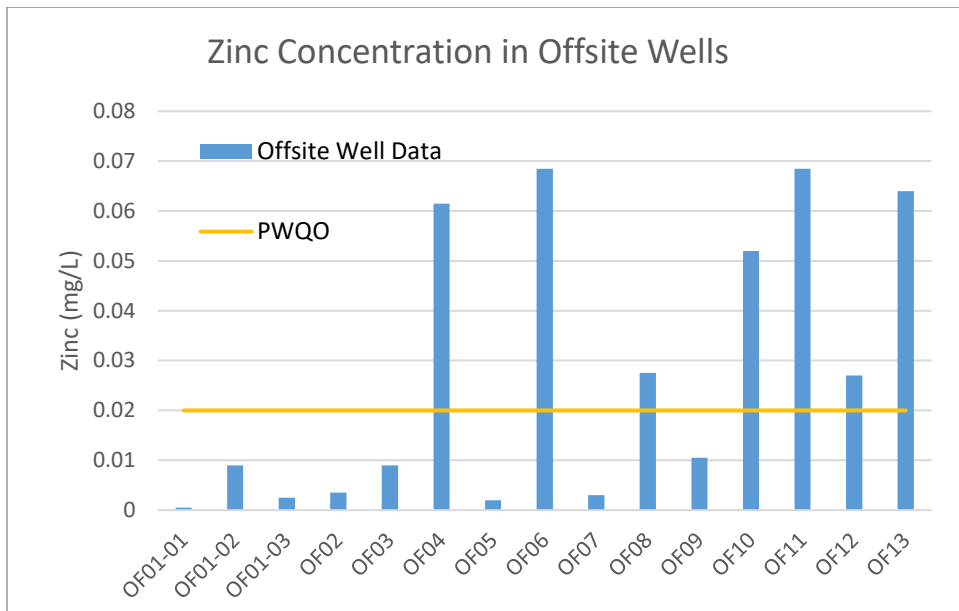


Table 2: Off Site Groundwater Water Chemistry Sample Results Summary by Well

Client Sample ID	Date Sampled	Alkalinity, Total (as CaCO3)	Ammonia, Total (as N)	Chloride (Cl)	Conductivity (EC)	Cyanide, Free	Cyanide, Total	Cyanide, Weak Acid Dissolved	Hardness (as CaCO3)	Nitrate (as N)	Nitrite (as N)	pH	Sulfate (SO4)	Total Dissolved Solids	Aluminum (Al)-Dissolved	Aluminum (Al)-Total	Antimony (Sb)-Dissolved	Antimony (Sb)-Total	Arsenic (As)-Dissolved	Arsenic (As)-Total	Barium (Ba)-Dissolved	Barium (Ba)-Total	Beryllium (Be)-Dissolved	Beryllium (Be)-Total	Bismuth (Bi)-Dissolved	Bismuth (Bi)-Total	Boron (B)-Dissolved	Boron (B)-Total
Unit		mg/L	mg/L	mg/L	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO						0.0050					6.5-8.5			0.0750		0.020		0.005				0.0011					0.20
	ODWG					0.20	0.20			10	1.00	6.5-8.5			0.100		0.006		0.01		1.00						5.00	
OF01(-01)	11-Oct-2017	506	0.658	9.37	958	0.0001	0.0002	0.0001	476	0.005		7.87	70.4	555	0.001	0.0010	0.00001	0.00001	0.0188	0.0192	0.050	0.052	0.00001	0.00001	0.00002	0.00002	0.171	0.202
OF01(-01)	26-Sep-2018	476	0.022	9.43	1060	0.0002	0.0002	0.0001	11.6	0.015	0.002	7.94	72.1	666	0.0018	0.0012	0.00064	0.00078	0.0107	0.0099	0.004	0.004	0.000002	0.00001	0.000002	0.000004	0.213	0.187
OF01-01	3-Oct-2019	473	0.496	8.18	950	0.0001	0.0006	0.0001	478	0.001	0.002	7.66	62.6	552	0.0006	0.0002	0.00001	0.00002	0.0186	0.0182	0.051	0.05	0.000002	0.000001	0.000002	0.000002	0.142	0.165
OF01-01	3-Nov-2020	491	0.474	10.2	962	0.0003	0.0002	0.0001	457	0.014	0.001	8.03	79.3	572	0.0008	0.0014	0.000005	0.000005	0.0186	0.0189	0.051	0.053	0.000002	0.000001	0.000002	0.00001	0.166	0.17
OF01-01	Average	487	0.413	9.30	983	0.0002	0.0003	0.0001	356	0.009	0.002	7.88	71.1	586	0.0011	0.0010	0.00017	0.00020	0.016675	0.0166	0.039	0.040	0.000004	0.000003	0.000007	0.000009	0.173	0.181
OF01-2	3-Oct-2019	470	0.482	9.79	921	0.0001	0.0002	0.0001	451	0.001	0.001	7.60	47.9	526	0.0004	0.001	0.00001	0.00002	0.0211	0.0217	0.088	0.087	0.000002	0.000001	0.000002	0.000002	0.136	0.154
OF01-2	3-Nov-2020	476	0.4	12.9	922	0.0003	0.0002	0.0001	439	0.02	0.001	8.1	60.4	546	0.0002	0.0006	0.000005	0.000005	0.0186	0.0233	0.087	0.092	0.000002	0.0000078	0.000002	0.00001	0.161	0.163
OF01-2	Average	473	0.441	11.35	922	0.0002	0.0002	0.0001	445	0.011	0.0010	7.85	54.2	536	0.0003	0.00080	0.00001	0.00001	0.0199	0.0225	0.088	0.089500	0.000002	0.000004	0.000002	0.000006	0.149	0.159
OF01-3	3-Oct-2019	470	0.482	9.79	921	0.0001	0.0002	0.0001	451	0.001	0.001	7.60	47.9	526	0.0004	0.001	0.00001	0.00002	0.0211	0.0217	0.088	0.087	0.000002	0.000001	0.000002	0.000002	0.136	0.154
OF01-3	3-Nov-2020	553	0.128	1.14	936	0.0003	0.0002	0.0001	498	0.02	0.001	8.02	18.9	530	0.0004	0.0234	0.000005	0.000002	0.0108	0.0117	0.105	0.112	0.000002	0.000003	0.000002	0.00001	0.055	0.042
OF01-03	Average	512	0.305	5.47	929	0.0002	0.0002	0.0001	475	0.011	0.0010	7.81	33.0	528	0.0004	0.01220	0.00001	0.00002	0.0160	0.0167	0.097	0.099500	0.000002	0.000002	0.000002	0.000006	0.096	0.098
OF02	11-Oct-2017	526	0.674	3.77	905	0.0001	0.0002	0.0001	474	0.005		8.10	35.7	525	0.001	0.0015	0.00001	0.00002	0.00490	0.0052	0.071	0.070	0.00001	0.00001	0.00002	0.00002	0.192	0.210
OF02	25-Sep-2018	481	0.762	4.27	909	0.0002	0.0002	0.0001	450	0.020	0.004	7.62	39.3	524	0.0006	0.0008	0.000005	0.00006	0.0076	0.0072	0.067	0.068	0.000002	0.000002	0.000002	0.00003	0.174	0.159
OF02	4-Oct-2019	537	0.090	3.65	917	0.0001	0.0006	0.0001	498	0.024	0.009	8.05	18.1	498	0.001	0.005	0.00013	0.00012	0.0011	0.0018	0.074	0.077	0.000002	0.000001	0.000002	0.000002	0.113	0.127
OF02	28-Oct-2020	490	0.728	4.66	894	0.0003	0.0002	0.0001	444	0.016	0.001	8.01	40.4	542	0.0002	0.0034	0.000005	0.00002	0.0073	0.0077	0.068	0.072	0.000002	0.0000001	0.000002	0.00001	0.173	0.162
OF02	Average	509	0.564	4.09	906	0.0002	0.0003	0.0001	467	0.016	0.005	7.95	33.4	522	0.0007	0.0027	0.00004	0.00006	0.00523	0.0055	0.070	0.072	0.000004	0.000003	0.000007	0.000016	0.163	0.165
OF03	11-Oct-2017	460	0.256	7.67	796	0.0002	0.0002	0.0001	424	0.005		7.85	17.3	455	0.001	0.0020	0.00005	0.00006	0.00190	0.0024	0.077	0.081	0.00001	0.00001	0.00002	0.00002	0.049	0.047
OF03	27-Sep-2018	318	0.086	18.9	615	0.0003	0.0002	0.0001	320	0.045	0.003	7.78	6.12	346	0.0014	0.0362	0.00002	0.00026	0.0007	0.0014	0.054	0.053	0.000002	0.000001	0.000002	0.000002	0.033	0.030
OF03	3-Oct-2019	464	0.06	7.63	832	0.0001	0.0006	0.0002	445	0.049	0.001	7.43	14.3	470	0.002	0.0074	0.00011	0.0001	0.0009	0.0019	0.075	0.076	0.000002	0.000001	0.000002	0.000002	0.034	0.038
OF03	29-Oct-2020	480	0.056	11.3	860	0.0003	0.0002	0.0001	447	0.082	0.0002	7.99	18.1	506	0.0004	0.001	0.00003	0.00003	0.0009	0.0022	0.071	0.071	0.000002	0.0000001	0.000002	0.00001	0.042	0.041
OF03	Average	431	0.115	11.38	776	0.0002	0.0003	0.0001	409	0.045	0.001	7.76	14.0	444	0.0012	0.0117	0.00010	0.00011	0.00110	0.0020	0.069	0.070	0.000004	0.000003	0.000007	0.000009	0.040	0.039
OF04	11-Oct-2017	541	0.054	103	1270	0.0001	0.0002	0.0001	612	0.760		7.42	36.6	825	0.001	0.0015	0.00043	0.00049	0.00070	0.0009	0.116	0.120	0.00001	0.00001	0.00002	0.00002	0.167	0.197
OF04	26-Sep-2018	521	0.234	107	1310	0.0001	0.0002	0.0001	617	0.65	0.004	7.80	37.7	754	0.0014	0.0002	0.00038	0.00042	0.0007	0.0007	0.12	0.118	0.000002	0.000001	0.000006	0.000002	0.162	0.151
OF04	3-Oct-2019	515	0.06	55.9	1100	0.0004	0.001	0.0009	530	0.515	0.003	7.46	19.9	602	0.001	0.001	0.00072	0.0007	0.001	0.0024	0.086	0.088	0.000002	0.000001	0.000004	0.000002	0.12	0.14
OF04	28-Oct-2020	549	0.096	101	1260	0.0004	0.0002	0.0001	594	0.774	0.001	7.91	29.2	748	0.001	0.0034	0.00042	0.00041	0.0007	0.00098	0.11	0.11	0.000002	0.0000001	0.000002	0.00001	0.139	0.141
OF04	Average	532	0.111	91.7	1235	0.0003	0.0004	0.0003	588.3	0.675	0.003	7.65	30.9	732	0.0011	0.0015	0.00049	0.00051	0.00078	0.0012	0.108	0.109	0.000004	0.000003	0.000008	0.000009	0.147	0.157
OF05	12-Oct-2017	498	0.086	5.74	865	0.0002	0.0002	0.0001	484	0.005		7.65	23.4	490	0.0030	0.0010	0.00001	0.00003	0.00190	0.0019	0.096	0.098	0.00001	0.00001	0.00002	0.00002	0.046	0.056
OF05	27-Sep-2018	466	0.098	3.62	883	0.0003	0.0002	0.0001	479	0.015	0.003	7.70	22.9	492	0.0008	0.0012	0.00002	0.00006	0.00027	0.0023	0.092	0.095	0.000002	0.000001	0.000002	0.000002	0.049	0.043
OF05	3-Oct-2019	484	0.064	4.03	862	0.0006	0.001	0.0005	467	0.001	0.004	7.38	21.7	474	0.0002	0.0032	0.00009	0.00002	0.001	0.002	0.087	0.086	0.000002	0.000001	0.000006	0.000002	0.036	0.044
OF05	28-Oct-2020	488	0.082	4.21	860	0.0002	0.0002	0.0001	449	0.013	0.000	7.93	24	498	0.0002	0.0016	0.00005	0.00003	0.0019	0.0022	0.093	0.095	0.000002	0.0000001	0.000006	0.00001	0.043	0.043
OF05	Average	484	0.083	4.40	868	0.0003	0.0004	0.0002	470	0.009	0.002	7.67	23.0	489	0.0011	0.0018	0.00004	0.00004	0.00188	0.0021	0.092	0.094	0.000004	0.000003	0.000009	0.000013	0.044	0.047
OF06	12-Oct-2017	598	0.116	3.47	977	0.0001	0.0002	0.0001	549	0.155		7.33	19.0	565	0.0020	0.0020	0.00007	0.0001	0.00098	0.0009	0.085	0.087	0.00001	0.00001	0.00002	0.00002	0.055	0.069
OF06	2018	No sample																										
OF06	3-Oct-2019	383	0.012	84.1	1000	0.0001	0.0002	0.0001	148	1.810	0.009	7.39	9.0	604	0.0060	0.0096	0.00019	0.0002	0.0007	0.0007	0.0006	0.00044	0.000002	0.000001	0.000008	0.00005	0.032	0.037
OF06	28-Oct-2020																											

Table 2: Off Site Groundwater Water Chemistry Sample Results Summary by Well Continued

Client Sample ID	Date Sampled	Cadmium (Cd)-Dissolved	Cadmium (Cd)-Total	Calcium (Ca)-Dissolved	Calcium (Ca)-Total	Cesium (Cs)-Dissolved	Cesium (Cs)-Total	Chromium (Cr)-Dissolved	Chromium (Cr)-Total	Cobalt (Co)-Dissolved	Cobalt (Co)-Total	Copper (Cu)-Dissolved	Copper (Cu)-Total	Iron (Fe)-Dissolved	Iron (Fe)-Total	Lead (Pb)-Dissolved	Lead (Pb)-Total	Lithium (Li)-Dissolved	Lithium (Li)-Total	Magnesium (Mg)-Dissolved	Magnesium (Mg)-Total	Manganese (Mn)-Dissolved	Manganese (Mn)-Total	Mercury (Hg)-Dissolved	Mercury (Hg)-Total	Molybdenum (Mo)-Dissolved	Molybdenum (Mo)-Total
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO		0.0001					0.0010		0.0009		0.0050		0.30		0.010								0.00020		0.040	
	ODWG	0.0050						0.050				1.00				0.010								0.0010			
OF01(-01)	11-Oct-2017	0.000005	0.000005	113	111			0.0001	0.0001	0.00007	0.00007	0.0001	0.0001	1.54	1.79	0.00001	0.00001	0.051	0.059	47.2	46.9	0.337	0.357	0.000002	0.000002	0.0029	0.0032
OF01(-01)	26-Sep-2018	0.000103	0.000122	3.88	3.92	0.000002	0.000002	0.0001	0.00008	0.00002	0.00002	0.0289	0.0441	0.047	0.065	0.0314	0.0365	0.015	0.015	0.5	0.4	0.0116	0.0115	0.000001	0.000001	0.0031	0.0028
OF01-01	3-Oct-2019	0.0000005	0.000001	113	111	0.000018	0.000015	0.00002	0.0002	0.00007	0.00007	0.0003	0.00002	1.62	1.64	0.000005	0.000005	0.053	0.05	47.3	47	0.341	0.324	0.000005	0.000005	0.0028	0.0031
OF01-01	3-Nov-2020	0.000002	0.000001	107	110	0.000021	0.00002	0.00003	0.0001	0.00006	0.00007	0.0006	0.00002	1.57	1.64	0.00001	0.00001	0.05	0.053	46.2	48.7	0.335	0.347	0.000005	0.000005	0.0033	0.0034
OF01-01	Average	0.000028	0.000032	84	84	0.000012	0.000012	0.00006	0.00012	0.00006	0.00006	0.00075	0.0111	1.19	1.28	0.000786	0.0091	0.042	0.044	35.3	35.8	0.256	0.260	0.000003	0.000003	0.0030	0.0031
OF01-2	3-Oct-2019	0.0000005	0.000001	109	109	0.000016	0.000015	0.0001	0.0006	0.00004	0.00004	0.0001	0.0011	1.51	1.54	0.000005	0.000005	0.045	0.045	43.8	42.3	0.366	0.351	0.000005	0.000005	0.0027	0.0028
OF01-2	3-Nov-2020	0.0000005	0.000002	103	107	0.000015	0.000016	0.00003	0.00008	0.00004	0.00005	0.0011	0.0021	2.06	2.51	0.00001	0.00003	0.044	0.046	43.9	44.5	0.376	0.39	0.000005	0.000005	0.0028	0.003
OF01-02	Average	0.000001	0.000002	106	108	0.000016	0.00002	0.00007	0.00034	0.00004	0.00005	0.0006	0.002	1.79	2.03	0.00001	0.00002	0.045	0.05	43.9	43.4	0.37	0.37	0.000005	0.000005	0.0028	0.0029
OF01-3	3-Oct-2019	0.0000005	0.000001	109	109	0.000016	0.000015	0.0001	0.0006	0.00004	0.00004	0.0001	0.0011	1.51	1.54	0.000005	0.000005	0.045	0.045	43.8	42.3	0.366	0.351	0.000005	0.000005	0.0027	0.0028
OF01-3	3-Nov-2020	0.000002	0.000004	99.2	100	0.000008	0.000014	0.00007	0.0004	0.00005	0.00008	0.0006	0.0012	3.03	3.79	0.00001	0.00005	0.038	0.038	60.9	61.6	0.365	0.377	0.000005	0.000005	0.0033	0.0035
OF01-03	Average	0.000001	0.000003	104	105	0.000012	0.00001	0.00009	0.00050	0.00005	0.00006	0.0001	0.001	2.27	2.67	0.00001	0.00003	0.042	0.04	52.4	52.0	0.37	0.36	0.000005	0.000005	0.0030	0.0032
OF02	11-Oct-2017	0.000005	0.000005	98.9	97.3			0.0003	0.0006	0.00004	0.00004	0.0001	0.0035	2.81	3.35	0.00001	0.00001	0.051	0.053	55.1	51.4	0.193	0.192	0.000002	0.000002	0.0023	0.0023
OF02	25-Sep-2018	0.0000005	0.000002	101	101	0.000004	0.000007	0.00002	0.00006	0.00003	0.00003	0.00002	0.0047	4.27	4.37	0.000005	0.00002	0.036	0.041	48.2	47.2	0.231	0.224	0.000001	0.000001	0.0018	0.0017
OF02	4-Oct-2019	0.000004	0.000004	92.3	91.4	0.000009	0.00001	0.00006	0.0001	0.00011	0.00012	0.005	0.01	3.303	1.17	0.000005	0.000105	0.049	0.048	64.9	62.9	0.0892	0.0842	0.000005	0.000005	0.0024	0.0027
OF02	28-Oct-2020	0.000002	0.000004	97.8	101.0	0.000006	0.000006	0.00004	0.0001	0.00004	0.00005	0.0004	0.0086	3.7	4	0.00001	0.00011	0.038	0.041	48.6	49.5	0.219	0.223	0.000005	0.000005	0.0019	0.002
OF02	Average	0.000003	0.000004	98	98	0.000006	0.000008	0.00011	0.00022	0.00006	0.00006	0.0014	0.0067	2.771	3.22	0.00001	0.00011	0.044	0.046	54.2	52.8	0.183	0.181	0.000003	0.000003	0.0021	0.0022
OF03	11-Oct-2017	0.000005	0.000005	102	102			0.0001	0.0001	0.00024	0.00024	0.0063	0.0212	2.04	2.72	0.00001	0.00006	0.025	0.024	40.9	39.2	0.349	0.350	0.000002	0.000002	0.0022	0.0024
OF03	27-Sep-2018	0.000002	0.000007	75.2	74.7	0.000002	0.000005	0.0001	0.0002	0.00009	0.00014	0.0191	0.0565	0.363	0.93	0.00001	0.00010	0.017	0.016	32.0	31.4	0.0583	0.0639	0.000001	0.000002	0.0038	0.0035
OF03	3-Oct-2019	0.000004	0.000001	107	105	0.000005	0.000007	0.00006	0.0002	0.00011	0.00012	0.037	0.0426	0.459	1.06	0.000005	0.00003	0.026	0.025	43.1	42.2	0.105	0.102	0.000005	0.000005	0.002	0.0021
OF03	29-Oct-2020	0.0000005	0.000001	106	108	0.000006	0.000006	0.00003	0.0001	0.00018	0.00021	0.0007	0.0034	1.37	1.26	0.00001	0.00002	0.026	0.028	44.3	45.6	0.231	0.238	0.000005	0.000005	0.0025	0.0026
OF03	Average	0.000003	0.000004	98	97	0.000006	0.000006	0.00007	0.00015	0.00016	0.00018	0.0158	0.0309	1.058	1.49	0.00001	0.00005	0.024	0.023	40.1	39.6	0.186	0.188	0.000003	0.000004	0.0026	0.0027
OF04	11-Oct-2017	0.000005	0.000010	131	136			0.0001	0.0002	0.00036	0.00044	0.0257	0.0297	0.020	0.080	0.0002	0.0004	0.013	0.016	69.3	69.4	0.0451	0.0619	0.000002	0.000002	0.0034	0.0039
OF04	26-Sep-2018	0.000006	0.000008	129	133	0.000156	0.000166	0.0001	0.0002	0.00033	0.00037	0.0446	0.0448	0.024	0.037	0.00096	0.0011	0.013	0.015	71.7	71.1	0.046	0.0477	0.000001	0.000001	0.0035	0.0035
OF04	3-Oct-2019	0.000006	0.000011	112	116	0.000157	0.000155	0.0001	0.0002	0.00014	0.00035	0.0325	0.0453	0.005	0.304	0.000175	0.00079	0.013	0.013	60.6	60.5	0.0288	0.0693	0.000005	0.000005	0.0028	0.0027
OF04	28-Oct-2020	0.000004	0.000008	124	127	0.00022	0.000223	0.00004	0.0001	0.00025	0.00028	0.0273	0.0314	0.04	0.121	0.00016	0.00077	0.014	0.015	69	69.8	0.0586	0.0684	0.000005	0.000005	0.003	0.0031
OF04	Average	0.000005	0.000009	124	128	0.000178	0.000181	0.00009	0.00018	0.00027	0.00036	0.0325	0.0378	0.022	0.136	0.00037	0.00076	0.013	0.015	67.7	67.7	0.045	0.061	0.000003	0.000003	0.0032	0.0033
OF05	12-Oct-2017	0.000005	0.000005	111	108			0.0001	0.0002	0.00047	0.00049	0.0003	0.0024	0.680	0.72	0.00001	0.00003	0.030	0.032	50.0	49.3	0.226	0.235	0.000002	0.000002	0.0029	0.0033
OF05	27-Sep-2018	0.000005	0.000008	107	109	0.000019	0.00002	0.0001	0.0003	0.00049	0.00052	0.0117	0.0613	0.785	0.743	0.0002	0.0027	0.029	0.031	51.3	48.7	0.22	0.217	0.000001	0.000001	0.0034	0.0032
OF05	3-Oct-2019	0.000003	0.000005	109	104	0.000021	0.000017	0.00004	0.00006	0.00043	0.00047	0.0057	0.0154	0.166	0.723	0.000005	0.00039	0.032	0.029	47.4	47.5	0.198	0.194	0.000005	0.000005	0.0034	0.0032
OF05	28-Oct-2020	0.000005	0.000006	102	104	0.000023	0.000023	0.00004	0.0001	0.00047	0.0005	0.0046	0.0082	0.731	0.833	0.00002	0.00010	0.029	0.032	47.2	49.9	0.196	0.2	0.000005	0.000005	0.0035	0.0037
OF05	Average	0.000005	0.000006	107	106	0.000021	0.000020	0.00007	0.00017	0.00047	0.00050	0.0056	0.0218	0.591	0.75	0.00006	0.00080	0.030	0.031	49.0	48.9	0.210	0.212	0.000003	0.000003	0.0033	0.0034
OF06	12-Oct-2017	0.000010	0.000010	114	117			0.0001	0.0001	0.00003	0.00003	0.350	0.364	0.010	0.010	0.0017	0.00180	0.043	0.045	64.6	64.7	0.0084	0.0087	0.000004	0.000006	0.0047	0.0052
OF06	3-Oct-2019	0.000003	0.000005	0.44	0.43	0.000003	0.000003	0.0001	0.0002	0.00008	0.00008	0.309	0.354	0.019	0.040	0.00316	0.00484	0.0006	0.001	0.094	0.084	0.0004	0.0008	0.000005	0.000005	0.0041	0.0042
OF06	28-Oct-2020	0.000003	0.000005	0.85	0.84	0.000006	0.000007	0.00007	0.0002	0.00004	0.00005	0.131	0.152	0.01													

Table 2: Off Site Groundwater Water Chemistry Sample Results Summary by Well Continued

Client Sample ID	Date Sampled	Nickel (Ni)-Dissolved	Nickel (Ni)-Total	Phosphorus (P)-Dissolved	Phosphorus (P)-Total	Potassium (K)-Dissolved	Potassium (K)-Total	Rubidium (Rb)-Dissolved	Rubidium (Rb)-Total	Selenium (Se)-Dissolved	Selenium (Se)-Total	Silicon (Si)-Dissolved	Silicon (Si)-Total	Silver (Ag)-Dissolved	Silver (Ag)-Total	Sodium (Na)-Dissolved	Sodium (Na)-Total	Strontium (Sr)-Dissolved	Strontium (Sr)-Total	Sulfur (S)-Dissolved	Sulfur (S)-Total	Tellurium (Te)-Dissolved	Tellurium (Te)-Total	Thallium (Tl)-Dissolved	Thallium (Tl)-Total	Thorium (Th)-Dissolved	Thorium (Th)-Total
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO		0.025		0.03						0.10				0.00010										0.00030		
	ODWG									0.050																	
OF01(-01)	11-Oct-2017	0.0002	0.0003		0.0083	5.26	5.25			0.0002	0.0002			0.00001	0.00001	29.5	28.6	0.972	1.05			0.00003	0.0001	0.000002	0.000002	0.000002	0.000002
OF01(-01)	26-Sep-2018	0.0005	0.0005		0.139	1.73	1.67	0.00051	0.00048	0.000025	0.00004	10.3	10.3	0.000005	0.000007	252	260	0.0162	0.0144	23.3	25.3	0.00005	0.00002	0.0000001	0.000002	0.000002	0.000002
OF01-01	3-Oct-2019	0.0002	0.0002	0.004	0.005	5.49	5.31	0.00145	0.0015	0.00007	0.000015	10.5	10.4	0.0000005	0.000001	31.3	30.7	1.01	1	24	23.3	0.000045	0.0001	0.0000001	0.0000002	0.000002	0.000001
OF01-01	3-Nov-2020	0.0003	0.0002	0.005	0.02	5.51	5.63	0.00146	0.00146	0.000015	0.00003	10.8	11.5	0.00001	0.000007	29.9	31.8	1.03	1.06	23.6	24	0.00002	0.00006	0.000002	0.000005	0.00001	0.00001
OF01-01	Average	0.0003	0.0003	0.0045	0.043	4.50	4.47	0.00114	0.00115	0.00008	0.00007	10.53	10.73	0.000005	0.000006	85.7	87.8	0.757	0.781	23.6	24.2	0.00003	0.00007	0.0000011	0.0000019	0.000005	0.000004
OF01-2	3-Oct-2019	0.0002	0.0003	0.014	0.01	5.35	5.17	0.00123	0.0013	0.00021	0.00004	11	11	0.0000005	0.000001	28.8	29.1	0.959	0.962	17.9	17.4	0.00007	0.00004	0.0000001	0.0000002	0.000002	0.000001
OF01-2	3-Nov-2020	0.0004	0.0002	0.01	0.03	5.2	5.33	0.00128	0.00129	0.00001	0.000035	11.3	11.7	0.000001	0.000001	28.4	29.8	0.975	1.02	19	18.2	0.00003	0.00008	0.000002	0.000005	0.00001	0.00001
OF01-02	Average	0.0003	0.0003	0.0120	0.020	5.28	5.25	0.00126	0.00130	0.00011	0.00004	11.15	11.35	0.000001	0.000001	28.6	29.5	0.967	0.991	18.5	17.80	0.00005	0.0000600	0.0000011	0.0000026	0.000006	0.000006
OF01-3	3-Oct-2019	0.0002	0.0003	0.014	0.01	5.35	5.17	0.00123	0.0013	0.00021	0.00004	11	11	0.0000005	0.000001	28.8	29.1	0.959	0.962	17.9	17.4	0.00007	0.00004	0.0000001	0.0000002	0.000002	0.000001
OF01-3	3-Nov-2020	0.0002	0.0004	0.035	0.08	4.92	5.13	0.00176	0.00181	0.00003	0.000015	13.1	13	0.000004	0.000005	11.7	12.2	0.435	0.447	6	6	0.00001	0.00002	0.000002	0.000005	0.00001	0.00001
OF01-03	Average	0.0002	0.0004	0.0245	0.045	5.14	5.15	0.00150	0.00156	0.00012	0.00003	12.05	12.00	0.000002	0.000003	20.3	20.7	0.697	0.705	12.0	11.70	0.00004	0.0000300	0.0000011	0.0000026	0.000006	0.000006
OF02	11-Oct-2017	0.0004	0.0004		0.03	5.52	5.28			0.0002	0.0002			0.00001	0.00001	30.9	26.6	0.713	0.701			0.00002	0.00007	0.000002	0.000002		
OF02	25-Sep-2018	0.0002	0.0002		0.0645	6.05	5.7	0.00113	0.00111	0.00003	0.00006	10.7	10.6	0.0000005	0.000003	30.5	31.9	0.821	0.752	12.4	13.7	0.00004	0.00008	0.0000001	0.000003	0.000002	0.00002
OF02	4-Oct-2019	0.0014	0.0015	0.002	0.01	4.64	4.33	0.00288	0.00268	0.000385	0.00031	9.91	9.82	0.000001	0.000001	20.3	19.8	0.543	0.536	7.1	6.9	0.000005	0.00002	0.0000001	0.000002	0.000002	0.000001
OF02	28-Oct-2020	0.0002	0.0003	0.035	0.06	5.86	6.28	0.00133	0.00136	0.000005	0.000025	10.4	11.7	0.000003	0.000002	30.5	32	0.791	0.797	13	14.4	0.00001	0.00004	0.000002	0.000005	0.00001	0.00001
OF02	Average	0.0006	0.0006	0.0185	0.041	5.52	5.40	0.00178	0.00172	0.00016	0.00015	10.34	10.71	0.000004	0.000004	28.1	27.6	0.717	0.697	10.8	11.7	0.00002	0.00005	0.0000011	0.0000093	0.000005	0.000010
OF03	11-Oct-2017	0.0008	0.0008		0.0081	3.15	3.18			0.0002	0.0002			0.00001	0.00001	13.7	12.3	0.276	0.306			0.00001	0.00003	0.000002	0.000002		
OF03	27-Sep-2018	0.0016	0.0019		0.009	1.57	1.54	0.00057	0.0006	0.00003	0.00003	8.92	8.85	0.0000005	0.000001	7.74	8.25	0.233	0.22	2.1	2.1	0.000005	0.00006	0.0000002	0.0000014	0.000002	0.00001
OF03	3-Oct-2019	0.0012	0.001	0.002	0.005	3.06	2.89	0.00099	0.00103	0.000135	0.00012	11.6	11.6	0.0000005	0.000001	13.4	13.2	0.307	0.308	5.5	5.5	0.00002	0.00001	0.0000001	0.0000002	0.000002	0.000001
OF03	29-Oct-2020	0.0008	0.0008	0.005	0.01	3.25	3.38	0.0011	0.00119	0.00023	0.00029	12.1	12.9	0.0000005	0.000001	13.7	14.3	0.31	0.313	5.8	6.6	0.00005	0.00002	0.000002	0.000005	0.00001	0.00001
OF03	Average	0.0011	0.0011	0.0035	0.0080	2.76	2.75	0.00089	0.00094	0.00022	0.00023	10.87	11.12	0.000003	0.000003	12.1	12.0	0.282	0.287	4.5	4.7	0.00002	0.00003	0.0000011	0.0000022	0.000005	0.000007
OF04	11-Oct-2017	0.0052	0.0058		0.0018	3.33	3.40			0.0018	0.0016			0.00001	0.00001	48.3	45.9	0.934	1.05			0.00002	0.0001	0.000002	0.000002		
OF04	26-Sep-2018	0.0055	0.0059		0.0030	3.53	3.44	0.00121	0.00115	0.0018	0.0017	8.45	8.81	0.0000015	0.000003	46.6	48.3	0.983	0.959	12.3	13.7	0.00003	0.0001	0.0000013	0.0000016	0.000002	0.000001
OF04	3-Oct-2019	0.0046	0.0059	0.002	0.005	2.82	2.6	0.00122	0.00115	0.00244	0.00197	8.6	8.61	0.0000005	0.000001	37.8	37.2	0.866	0.879	8.5	8.3	0.000035	0.00005	0.0000001	0.0000002	0.000006	0.000001
OF04	28-Oct-2020	0.0039	0.0043	0.005	0.015	3.29	3.28	0.00128	0.0014	0.00163	0.00151	9	9.86	0.0000005	0.000001	40.7	42.7	1.07	1.09	10.6	10.8	0.00001	0.00008	0.000002	0.000005	0.00001	0.00001
OF04	Average	0.0048	0.0055	0.0035	0.0062	3.24	3.18	0.00124	0.00123	0.00192	0.00170	8.68	9.09	0.000004	0.000006	43.4	43.5	0.963	0.995	10.5	10.9	0.00002	0.00008	0.0000014	0.0000022	0.000024	0.000004
OF05	12-Oct-2017	0.0010	0.0011		0.0085	4.52	4.66			0.0002	0.0002			0.00001	0.00001	13.6	12.7	0.345	0.368			0.00001	0.00004	0.000002	0.000008		
OF05	27-Sep-2018	0.0012	0.0015		0.0035	4.8	4.28	0.00631	0.00612	0.00005	0.000045	9.71	9.82	0.0000005	0.000002	11.4	11.5	0.364	0.341	7.5	8.5	0.000025	0.00004	0.0000043	0.0000036	0.000002	0.000001
OF05	3-Oct-2019	0.00096	0.0011	0.002	0.005	4.32	4.26	0.00642	0.00631	0.00008	0.00007	9.39	9.16	0.0000015	0.000004	12	11.5	0.347	0.332	8.1	7.9	0.00001	0.00001	0.0000025	0.0000002	0.000008	0.000001
OF05	28-Oct-2020	0.00096	0.0011	0.005	0.01	4.45	4.69	0.0064	0.00666	0.00005	0.00008	9.45	10.2	0.000002	0.000003	11.1	11.5	0.334	0.344	8	8.4	0.00001	0.00004	0.000001	0.000005	0.00001	0.00001
OF05	Average	0.0010	0.0012	0.0035	0.0068	4.44	4.47	0.00638	0.00636	0.00010	0.00010	9.52	9.73	0.000004	0.000009	12.0	11.8	0.348	0.346	7.9	8.3	0.00001	0.00003	0.0000047	0.0000042	0.000007	0.000004
OF06	12-Oct-2017	0.0032	0.0033		0.0458	4.70	4.88			0.0002	0.0002			0.00008	0.00027	12.0	12.1	0.384	0.393			0.00002	0.00004	0.000006	0.000008		
OF06	2018																										
OF06	3-Oct-2019	0.0045	0.0037	0.036	0.025	0.63	0.59	0.00078	0.00071	0.0011	0.00106	7.75	7.78	0.000006	0.00011	243	242	0.0011	0.0009	3.4	3.5	0.000005	0.00001	0.0000001	0.0000002	0.000002	0.000001
OF06	28-Oct-2020	0.0205	0.0213	0.02	0.0450	3.69	3.83	0.00128	0.00124	0.00022	0.00023	10.3	10.8	0.00008	0.00022	263	273	0.0027	0.0026	5.6	5.8	0.00001	0.00002	0.000002	0.000001	0.00001	0.00001
OF06	Average	0.0119	0.0123	0.0200	0.045	4.20	4.36																				

Table 2: Off Site Groundwater Water Chemistry Sample Results Summary by Well Continued

Client Sample ID	Date Sampled	Tin (Sn)-Dissolved	Tin (Sn)-Total	Titanium (Ti)-Dissolved	Titanium (Ti)-Total	Tungsten (W)-Dissolved	Tungsten (W)-Total	Uranium (U)-Dissolved	Uranium (U)-Total	Vanadium (V)-Dissolved	Vanadium (V)-Total	Zinc (Zn)-Dissolved	Zinc (Zn)-Total	Zirconium (Zr)-Dissolved	Zirconium (Zr)-Total
Unit		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	PWQO							0.0050		0.0060		0.020			
	ODWG							0.020							
OF01(-01)	11-Oct-2017	0.00002	0.00002	0.00005	0.0001	0.00006000	0.00007	0.0019	0.0021	0.00005	0.00005	0.0005	0.0005	0.0002	0.0002
OF01(-01)	26-Sep-2018	0.0054	0.0038	0.00002	0.00006	0.000022	0.000032	0.0021	0.002	0.0001	0.0001	0.134	0.130	0.00009	0.00006
OF01-01	3-Oct-2019	0.000005	0.00001	0.00002	0.00002	0.000064	0.000064	0.0014	0.0019	0.00004	0.00005	0.0172	0.0004	0.0002	0.0002
OF01-01	3-Nov-2020	0.000005	0.00002	0.00002	0.00002	0.000072	0.00007	0.002	0.0021	0.00002	0.00005	0.0036	0.0005	0.0002	0.0002
OF01-01	Average	0.00136	0.00096	0.00003	0.00010	0.00005	0.00006	0.0019	0.0020	0.00005	0.00006	0.0388	0.033	0.00017	0.00017
OF01-2	3-Oct-2019	0.000005	0.00001	0.00002	0.00008	0.000068	0.000064	0.0015	0.0016	0.00004	0.00005	0.0106	0.0104	0.0002	0.0002
OF01-2	3-Nov-2020	0.000015	0.00003	0.00002	0.00006	0.000046	0.00005	0.0017	0.0017	0.00002	0.00005	0.0126	0.009	0.00007	0.0001
OF01-02	Average	0.000010	0.00002	0.00002	0.00007	0.00006	0.0001	0.0016	0.00165	0.00003	0.0001	0.0116	0.0097	0.00014	0.00015
OF01-3	3-Oct-2019	0.000005	0.00001	0.00002	0.00008	0.000068	0.000064	0.0015	0.0016	0.00004	0.00005	0.0106	0.0104	0.0002	0.0002
OF01-3	3-Nov-2020	0.000005	0.00005	0.00008	0.0012	0.000054	0.00006	0.0011	0.0012	0.00002	0.0002	0.0008	0.0025	0.0006	0.0007
OF01-03	Average	0.000005	0.00003	0.00005	0.00064	0.00006	0.0001	0.0013	0.00140	0.00003	0.0001	0.0057	0.0065	0.00040	0.00045
OF02	11-Oct-2017	0.00002	0.00002	0.00005	0.0001	0.00006000	0.000060	0.0024	0.0023	0.00005	0.0002	0.0035	0.0055	0.00006	0.00006
OF02	25-Sep-2018	0.000005	0.00009	0.00002	0.00008	0.00007	0.000072	0.0012	0.0011	0.0001	0.0002	0.0024	0.0044	0.00006	0.00008
OF02	4-Oct-2019	0.000005	0.0022	0.00002	0.0002	0.00002	0.000014	0.0043	0.0049	0.0003	0.0003	0.177	0.017	0.0002	0.0002
OF02	28-Oct-2020	0.000005	0.00005	0.00002	0.0002	0.000066	0.00008	0.0016	0.0016	0.00004	0.00005	0.0032	0.0035	0.00006	0.00008
OF02	Average	0.00001	0.00059	0.00003	0.00015	0.00005	0.00006	0.0024	0.0025	0.00012	0.00019	0.0465	0.0076	0.00010	0.00011
OF03	11-Oct-2017	0.00002	0.00002	0.00005	0.0002	0.00002000	0.00003	0.0025	0.0027	0.0001	0.0002	0.0220	0.02	0.00008	0.0001
OF03	27-Sep-2018	0.00002	0.0002	0.0003	0.0015	0.000012	0.000014	0.0034	0.0036	0.0003	0.0005	0.0364	0.143	0.0002	0.0002
OF03	3-Oct-2019	0.00001	0.00001	0.00002	0.0003	0.000018	0.000012	0.0031	0.0034	0.0015	0.0003	0.904	0.0586	0.0001	0.0002
OF03	29-Oct-2020	0.000005	0.00002	0.00002	0.0002	0.000024	0.00002	0.0031	0.0033	0.00008	0.0002	0.0084	0.009	0.00009	0.0001
OF03	Average	0.00001	0.00006	0.00010	0.00055	0.00002	0.00002	0.0030	0.0033	0.00050	0.00030	0.2427	0.0577	0.00012	0.00015
OF04	11-Oct-2017	0.00002	0.00004	0.00005	0.0001	0.00009000	0.0001200	0.0026	0.0028	0.0003	0.0004	0.0200	0.019	0.0003	0.0005
OF04	26-Sep-2018	0.00008	0.00004	0.00002	0.0001	0.00009	0.000088	0.0024	0.0023	0.0003	0.0005	0.0314	0.03	0.0004	0.0004
OF04	3-Oct-2019	0.000015	0.00003	0.00004	0.00002	0.000286	0.000112	0.0017	0.0019	0.0003	0.0006	0.0312	0.049	0.0005	0.0004
OF04	28-Oct-2020	0.00006	0.0003	0.00002	0.0002	0.0000114	0.000013	0.0021	0.0022	0.0002	0.0003	0.0416	0.0615	0.0005	0.0006
OF04	Average	0.00004	0.00010	0.00003	0.00011	0.00015	0.00011	0.0022	0.0023	0.00028	0.00045	0.0311	0.040	0.00043	0.00048
OF05	12-Oct-2017	0.00002	0.00002	0.00005	0.0001	0.00001000	0.00002	0.0041	0.0044	0.00005	0.00005	0.0030	0.0025	0.0002	0.0002
OF05	27-Sep-2018	0.000015	0.00099	0.00002	0.00004	0.000016	0.000012	0.0043	0.004	0.0001	0.0003	0.0138	0.0198	0.0002	0.0002
OF05	3-Oct-2019	0.000005	0.0002	0.00002	0.00002	0.000122	0.00001	0.004	0.004	0.00004	0.0001	0.0066	0.0066	0.0002	0.0002
OF05	28-Oct-2020	0.000005	0.0001	0.00002	0.0001	0.000014	0.00001	0.0044	0.0046	0.00006	0.00005	0.0018	0.0020	0.0002	0.0002
OF05	Average	0.00001	0.00033	0.00003	0.00007	0.00004	0.00001	0.0042	0.0043	0.00006	0.00013	0.0063	0.0077	0.00020	0.00020
OF06	12-Oct-2017	0.00002	0.00002	0.0001	0.0002	0.00001	0.00001	0.0058	0.0060	0.0005	0.0005	0.0790	0.08	0.0002	0.0002
OF06	2018														
OF06	3-Oct-2019	0.0002	0.0022	0.0002	0.0005	0.000008	0.000002	0.0064	0.0070	0.0013	0.0007	0.3970	0.107	0.0003	0.0002
OF06	28-Oct-2020	0.000025	0.0009	0.00004	0.0003	0.00001	0.00002	0.0064	0.0067	0.0004	0.0007	0.0642	0.0685	0.0002	0.0002
OF06	Average	0.00002	0.00046	0.00007	0.00025	0.00001	0.00002	0.0061	0.0064	0.00045	0.00060	0.0716	0.074	0.00020	0.00020
OF07	12-Oct-2017	0.00002	0.00002	0.0001	0.00005	0.00001	0.00001	0.0047	0.0049	0.0001	0.0001	0.0040	0.0050	0.00004	0.00004
OF07	19-Oct-2018	0.000005	0.00001	0.00002	0.0001	0.00001	0.000012	0.0047	0.0050	0.0001	0.0003	0.0206	0.0224	0.00003	0.000038
OF07	2-Oct-2019	0.0001	0.0004	0.00002	0.0002	0.00001	0.0000	0.0039	0.0044	0.00008	0.0001	0.0068	0.0126	0.00004	0.00005
OF07	29-Oct-2020	0.000005	0.0002	0.00002	0.0001	0.000006	0.0000	0.0047	0.0052	0.00002	0.0001	0.0024	0.0030	0.00002	0.00004
OF07	Average	0.00003	0.00016	0.00004	0.00011	0.00001	0.00001	0.0045	0.0049	0.00008	0.00015	0.0085	0.0108	0.00003	0.00004
OF08	13-Oct-2017	0.00002	0.00002	0.00005	0.00005	0.00002000	0.00003	0.0009	0.00099	0.0001	0.00005	0.0350	0.0355	0.00002	0.00002
OF08	19-Oct-2018	0.000005	0.00001	0.00002	0.00006	0.000026	0.000034	0.001	0.001	0.0002	0.0002	0.06	0.0386	0.000014	0.000016
OF08	2-Oct-2019	0.000005	0.0001	0.00002	0.00002	0.000028	0.0000	0.0008	0.0009	0.00008	0.0001	0.0114	0.0134	0.00001	0.00003
OF08	29-Oct-2020	0.000005	0.00005	0.00002	0.00006	0.00002	0.0000	0.0011	0.0012	0.0001	0.0001	0.0224	0.0275	0.00001	0.00001
OF08	Average	0.00001	0.00005	0.00003	0.00005	0.00002	0.00003	0.0010	0.0010	0.00012	0.00010	0.032	0.029	0.00001	0.00002
OF09	13-Oct-2017	0.00002	0.00002	0.00005	0.0009	0.00006000	0.00009	0.0021	0.0023	0.00005	0.00005	0.0055	0.0060	0.0002	0.0002
OF09	26-Sep-2018	0.000005	0.00001	0.00002	0.0002	0.000076	0.00007	0.0015	0.0014	0.00008	0.0003	0.0076	0.0074	0.0002	0.0002
OF09	4-Oct-2019	0.000005	0.0002	0.00002	0.0001	0.000066	0.0001	0.0043	0.0047	0.0001	0.0002	0.0138	0.0138	0.00020	0.00020
OF09	28-Oct-2020	0.000005	0.00009	0.00002	0.0003	0.000068	0.0001	0.0018	0.0018	0.00002	0.0001	0.0106	0.0105	0.00020	0.00020
OF09	Average	0.00001	0.00008	0.00003	0.00038	0.00007	0.00008	0.0024	0.0026	0.00006	0.00016	0.009	0.0094	0.00020	0.00020
OF10	14-Oct-2017	0.00002	0.00004	0.00005	0.0005	0.00001	0.00001	0.0019	0.0021	0.0007	0.0008	0.0335	0.0335	0.0001	0.0001
OF10	2018														
OF10	4-Oct-2019	0.000005	0.00007	0.00002	0.0003	0.000006	0.0000	0.0016	0.0017	0.0007	0.0008	0.0614	0.0616	0.00010	0.00010
OF10	28-Oct-2020	0.00001	0.0001	0.00002	0.0003	0.000002	0.0000	0.0019	0.0020	0.0005	0.0006	0.0440	0.052	0.00009	0.00010
OF10	Average	0.00002	0.00007	0.00004	0.00040	0.00001	0.00001	0.0019	0.0021	0.00060	0.00070	0.0388	0.043	0.00010	0.00010
OF11	2017														
OF11	4-Oct-2018	0.00001	0.00002	0.00006	0.0003	0.000002	0.000002	0.0025	0.0025	0.0004	0.0005	0.414	0.22	0.0002	0.0002
OF11	2-Oct-2019	0.000005	0.00004	0.00006	0.0004	0.000002	0.0000	0.0019	0.0021	0.0005	0.0005	0.2440	0.336	0.00030	