

Matador Mining Ltd.

CEAA 2012 - Time Limit Extension Application

for Cape Ray Gold Project IAAC Reference
Number 80136



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Abbreviations

<i>Canadian Environmental Assessment Act, 2012</i>	<i>CEAA-2012</i>
<i>Coronavirus Disease 2019 Global Pandemic</i>	<i>COVID-19</i>
<i>Environment Assessment</i>	<i>EA</i>
<i>Environmental Impact Statement</i>	<i>EIS</i>
<i>Feasibility Study</i>	<i>FS</i>
<i>Impact Assessment Act, 2019</i>	<i>IAA-2019</i>
<i>Guidelines issued in 2013 by IAAC for EIS Preparation</i>	<i>IAAC Guidelines</i>
<i>Impact Assessment Agency of Canada</i>	<i>IAAC or Agency</i>
<i>Indigenous Group</i>	<i>IG</i>
<i>IAAC Information Request</i>	<i>IR</i>
<i>Newfoundland and Labrador</i>	<i>NL</i>
<i>Newfoundland and Labrador Environmental and Climate Change</i>	<i>NL-ECC</i>
<i>Guidelines to be issued by NL-ECC for EIS Preparation</i>	<i>NL-ECC</i>
<i>Guidelines Newfoundland and Labrador Environmental Protection Act</i>	<i>NL-EPA</i>

1 INTRODUCTION

Matador Mining Ltd. (Matador) requests that their Cape Ray Gold Project, in Southwestern Newfoundland, continue IAAC EA evaluation under CEAA-2012 and that the EIS completion date (which includes the Agency's conformity review of the EIS, the public comment period on the EIS, the technical review of the EIS; and associated consultation with Indigenous communities) be extended from 28 August 2022 to 28 August 2025.

The Project was registered under CEAA-2012 on 22 December 2016. Following the enactment of IAA-2019 on 28 August 2019, Matador has elected to continue the EA process under CEAA-2012.

Matador submits that the Cape Ray Gold Project is a suitable candidate for a CEAA-2012 time limit extension as:

- All engineering technical studies have been completed, including a comprehensive geochemistry characterisation study using static testing and preliminary kinetic test results.
- The majority of the EIS Report has been completed in draft, with baseline EA data collection complete, as well as technical modelling for assessment of effects.
- Substantive Indigenous Group (IG) and stakeholder engagement, under CEAA-2012, has been completed and is on-going with more meetings scheduled in 2022.
- Only three supplemental studies are ongoing and will be complete at the end of 2022, including the geochemical kinetic testing, which is in progress at Week 12.
- Matador intends to provide to draft components of the EIS to IAAC for discussion and feedback starting in August 2022.

Justification for the approval of an extension under CEAA-2012 is summarized in Section 4.

2 PROJECT DEVELOPMENT

The Cape Ray Gold Project is a greenfield, open pit mine project. It is located in southwest Newfoundland, and approximately 22 km from Port aux Basques and Isle aux Morts. Following EA approval, Matador expects the permitting for construction/operation phase of the project to take 18-24 months. Mine operation is expected to be 7 to 10 years followed by a mine closure phase.

To date, scoping level studies have been completed, along with engineering and design work to support the EIS. Matador intends to initiate a pre-feasibility study in late 2022 and complete on-going metallurgical work. In excess of \$30 million (CDN) has been spent on development of the project, which includes the following:

- Prospecting efforts,
- Exploration camp upgrades,
- Resource definition drilling multiple deposits,
- Scoping Studies,
- Metallurgical testing for mill process,
- Engineering and technical studies,
- Environmental baseline data collection based on IAAC and NL-ECC EIS guidelines,
- Additional baseline data collected based on review of Information Requests (IRs) from recently submitted mining EIS and discussions with stakeholders,
- Analytical modelling of environmental components for the EIS (atmospheric, groundwater, surface water quality and quantity),
- Engagement with IGs (Miawpukek and Qalipu FN) and other stakeholders (including IAAC and NL-ECC), and
- Pre-feasibility studies, which are underway.

Since Matador acquired the project almost four years ago, expenditures have contributed significant economic benefit to the local economy of Port aux Basques and Isle aux Morts in southwestern Newfoundland. On average, the Cape Ray Gold Project has employed approximately 50 people in the region, and in 2021, Matador was honored with the “Prospector/Explorer of the Year Award” by the Canadian Institute of Mining (Newfoundland Chapter).

3 EA ACTIVITIES

The project was registered under CEAA-2012 on 22 December 2016 and Matador has elected to continue the EA process under CEAA-2012 following the enactment of IAA-2019 on 28 August 2019. The project was registered provincially with NL-ECC in July 2016 and guidelines were issued in December 2016.

Matador intends to re-register the Cape Ray Gold Project with NL-ECC on 24 August 2022, as the original 24 August 2019 EIS submission date was extended the maximum allowable times under the legislation (three years). Discussions with NL-ECC have indicated that the project can be extended for an additional three-year period and continue under the current EIS Guidelines, which were issued in December 2016.

In ongoing correspondence between Matador and IAAC (Halifax), IAAC will consider a CEAA-2012 time limit extension in coordination with NL-ECC’s extension to produce an IAAC/NL-ECC combined EIS under the current EIS guidelines. Matador has committed to IAAC’s recommendation of an extension and the following milestones:

- Re-registering of the Cape Ray Gold Project with NL-ECC on 24 August 2022,
- Completion of supporting studies for the EIS, including results from ongoing geochemical kinetic testing,
- Completion of engagement with IG and stakeholders on the assessment of effects, mitigation measures, management plans, and follow-up commitments,
- Provision of draft components of the EIS to IAAC for discussion and feedback starting in August 2022,
- Completion of the EIS, considering input from IG, stakeholders, and IAAC/NL-ECC, and
- Submission of the combined final EIS to IAAC and NL-ECC in Q2/Q3 of 2023.

Matador also plans engagement with IGs and other project stakeholders, including Municipal Governments, special interest groups, and the public, to express its intention to seek an extension of the CEAA-2012 process. A summary of EA timelines is provided in Table 1.

TABLE 1 IAAC AND NL-ECC EA PROCESS TO DATE	
IAAC	Date
Project registration with IAAC	22 December 2016
IAAC EIS final Guidelines issued	7 April 2017
EIS Project baseline data collection	2019 to 2022
Completion of technical studies and engagement	2022 to Q1 2023
Provision of components of the EIS for review/discussion	28 Aug 2022
NL-ECC	
Project original registration with NL-ECC	04 July 2016
NL-ECC EIS Final Guidelines issued	21 December 2016
NL-ECC original EIS submission date	24 August 2019
NL-ECC Extended EIS submission date (3 one-year extensions)	24 August 2022
NL-ECC Project to be re-registered	24 August 2022

A workplan for the time between submitting the EIS and the completion of the technical review phase (assuming two rounds of information requests (IRs)), is as follows:

- Agency conformity review of the EIS – 30 days
- Comment period on the EIS – 30 days
- Agency develops IRs – 3-6 weeks
- Development of IR responses – 4-6 months
- Agency conformity review of IR responses – 15 days
- Technical review of IR responses – 30 days
- Agency develops Round 2 IRs – 2-4 weeks
- Development of IR responses – 3-4 months
- Agency conformity review of IR responses – 15 days
- Technical review of IR responses – 30 days
- Completion of any follow-up information requests and EIS by August 2025.

A summary of the workplan is attached.

4 REASONS FOR TIME LIMIT EXTENSION

The Cape Ray Project EA, under CEAA-2012, has been ongoing since project registration in 2016 and the issuance of Guidelines in 2017. EIS environmental baseline data collection, technical studies, and engagement activities have been ongoing. The following is a summary of reasons for an extension to the time limit of the EA process:

Change in Ownership

- Activity on the project was paused between 2017 and 2018 during which time the project changed ownership from Benton Resources Inc to Matador Mining Ltd. No EA related activities took place during this two-year period.

COVID-19 Pandemic

- Environmental baseline data collection took place in 2019 following a diamond drilling campaign by Matador. Engagement with IGs and other project stakeholders was also initiated. More environmental baseline studies were scoped for 2020 and some were completed but activities were severely hampered due to travel restrictions resulting from the COVID-19 Pandemic. Engagement activities were also severely restricted through all of 2020 for the same reason.
- More environmental baseline studies were scoped for 2021 and some were completed but severely hampered due to the continuing changes to travel restrictions related to the COVID-19 Pandemic for anyone travelling to or within Newfoundland. This further restricted engagement activities, although some virtual meetings were held. This was the case through all of 2021.
- Due to COVID-19, in 2020 through 2022, interprovincial movement was restricted as was access to the Cape Ray Gold Project site and the communities of Miawpukek and many of the coastal communities where Qalipu members reside. This made any meaningful project engagement almost impossible.
- Precisely quantifying COVID-19 time delays is difficult, but it would not be inaccurate to state that the COVID-19 pandemic delayed the EA process by 18-24 months. Project delays due to COVID-19 are summarized in Table 2.

TABLE 2	
SUMMARY IMPACT OF COVID-19 FROM JANUARY 2020 TO MARCH 2022	
Activity Impacted	Delay
Inability of EA team to access Cape Ray Gold Project Site	Indeterminate
Inability for face-to-face interaction with EA consultants updating EIS	Indeterminate
Inability for EA team to have face to face engagement with IGs and other project stakeholders	24 months
Reduced commercial flight availability to project area	18 months
Restriction on inter-provincial travel and visiting Indigenous Communities	18 months
Inability to collect site baseline data	12 months
Inability for Matador staff to travel to Canada	12 months

4.1 COMPLETION OF STUDIES AND ENGAGEMENT

Due to the aforementioned delays, Matador made the decision to seek an extension and remain under CEAA 2012 and re-register the project with NL-ECC to allow more time to complete environmental baseline and technical studies, complete kinetic geochemistry work, and continue engagement with IGs and other project stakeholders. Additional time is required to complete the following:

- Extensive engagement with IGs and the public has been ongoing since 2019. IGs have received several recent invitations for meetings. Matador provides frequent updates on its EA activity to both IGs, and Matador has notified the two IGs of its request for a subsection 181(2.1) time-limit extension. Considerable efforts are currently underway to schedule additional engagement with IGs, including public information sessions to present the results of the effects assessments for each VC and proposed mitigation and monitoring.
- Matador is consulting with two Indigenous Groups, Miawpukek and Qalipu FN, both of which had elections this year. Before a community election, an Indigenous community may relegate the consultation process to temporarily being of a lower priority. In a post-election period, new community policies and a need for additional consultation may arise. As a result, the engagement with these groups was further delayed.
- Three additional environmental baseline studies are currently in progress or planned to be completed in summer/fall 2022. These include a heritage values survey, a spring caribou calving survey, and additional fish habitat surveys for habitat off-setting plans.
- The geochemistry program was initiated in 2021 and analysis was completed by January 2022 for static test results, which allowed the field bin and lab kinetic test work to commence. Kinetic test work is required as an input into the surface water modelling (operations and closure phases) and associated fisheries analysis in order to meet the EIS guidelines. Currently, the kinetic tests are at 12 weeks and can require 40 weeks to stabilize prior to using the data in subsequent modelling. As such, more time is required to ensure that the geochemical data are adequate to characterize all the potential effects.

A summary of Project Engagement activities can be found in the attached Engagement Logs.

4.2 SUMMARY

Additional project delays would be expected if the EA process were to re-start under IAA-2019, as numerous EA steps would need to be repeated. Such a reversion would be unlikely to garner additional benefits. A reversion would significantly impact Matador's ability to finance the EA work, with a consequential loss of investor interest. Project advancement would be jeopardized. Key advantages to granting the extension include:

- Continuation and completion of engagement on effects, mitigation, management plans, and follow-up commitments so that input from the IG can be integrated into the final EIS,
- Completion of technical studies and kinetic geochemistry, which would provide more confidence in effects predictions post-closure,
- Coordination of federal and provincial process and timelines between IAAC and NL-ECC,
- Avoiding placing project economic viability in jeopardy,
- Avoiding investor loss of interest,
- Avoiding confusion and loss of credibility with stakeholders, including IGs, and
- Avoiding cost escalation and time loss.

5 STATUS OF EA/EIS

During 2021 and early 2022, Matador reviewed IRs from recently submitted EISs for mine development projects in NL and the Atlantic region. From this assessment, it was determined that further baseline and technical studies should be conducted to build a more robust environmental impact assessment. A summary of the work underway or are pending for 2022 is provided in Table 3.

The current status of the EIS is summarized in Table 4. Technical Studies completed to date, and those still on-going are summarized in Table 5.

As summarized in Table 4 and Table 5, the EIS is nearing completion. Only three supplemental studies are on-going or planned and will be completed by the end of the 2022 field season. Only one technical study is still pending and that should be completed by end of September. Kinetic geochemistry testing is on-going and currently nearing 20 weeks of HCT of mine rock and metallurgical tails. It is critical that these tests run to their maximum duration to properly assess potential water quality during the closure phase. The results are being analyzed at regular frequencies but currently are not at a stage where conditions have chemically stabilized. Once this state has been achieved surface water quality modelling can be completed and effects assessments on those VCs that are impacted can be completed.

TABLE 3
ADDITIONAL, ON-GOING TECHNICAL AND BASELINE STUDIES

	Date	Request
Based on IAAC IRs (in addition to EIS Guidelines)		
Env. Canada/Canadian Wildlife Service (CWS)	2021	Migratory and breeding bird survey
Health Canada	2021	Air quality modeling study
Health Canada	2021	Country foods survey and Human Health
Natural Resources Canada	2022	Kinetic geochemistry characterization of mine tailings and mine rock
Fisheries and Oceans Canada	2022	Additional fish habitat assessment for compensation plan
NL-ECC (in addition to EIS Guidelines)		
NL-ECC Wildlife Division	2021	Nighthawk and bat survey
NL-ECC Wildlife Division	2022	Caribou calving survey
NL-ECC Wildlife Division	2021	ELC survey
NL-ECC	2022	Air quality modeling study
NL-ECC	2022/23	Hydrogeological monitoring survey
NL-ECC	2022/23	Hydrology and SW monitoring survey (beyond 2021)
NL-ECC	2022	Heritage values survey
IG Requests (separate from EIS)		
Miawpukek First Nation	2022	Indigenous land use study
Qalipu First Nation	2022	Indigenous land use study

TABLE 4 CURRENT STATUS OF THE EIS			
EIS Section	Status	Notes	Expected Completion
1. Introduction	Draft Complete		
2. Environmental Setting	Draft Complete		
3. Project Description	Draft Complete		
4. Sustainability Management	In Progress	Management plans to be finalized when all technical studies and engagement activities are completed	Q2 2023
5. Public and Indigenous Engagement	In Progress	Complete in draft, being updated as engagement continues	Q2 2023
6. Valued Environmental Components	Draft Complete		
7. Environmental Assessment Methodology	Draft Complete		
8. Atmospheric Environment	Draft Complete		
9. Groundwater	Draft Complete		
10. Surface Water	In Progress	Quantitative modelling complete. Will be finalized with results from kinetic geochemical analysis	Q4 2022
11. Fish and Fish Habitats	In Progress	Will be finalized with results from geochemical analysis and conclusions from surface water assessment Additional fish habitat assessment being completed in 2022 for compensation planning	Q4 2022
12. Terrestrial Environment	In Progress	To be updated and finalized with results of 2022 field studies	Q4 2022
13. Avifauna	Draft Complete		
14. Caribou	In Progress	Additional studies on caribou calving surveys being completed in 2022	Q4 2022
15. Indigenous Peoples	In Progress	To be finalized when Human Health Risk Assessment Report is complete, which requires assessment of surface water and fish to be completed	Q4 2022
16. Land and Resource Use	Draft Complete	To be finalized following results of terrestrial environment and fish and fish habitat assessments	Q4 2022
17. Historical Resources	In Progress	To be finalized with results of field survey to be completed in June 2022	Q4 2022
18. Community Services and Infrastructure	Draft Complete		
19. Economy and Employment	Draft Complete		
20. Effect of the Environment	In Progress	Pending final dam breach assessment report	Q3 2022
21. Accidents and Malfunctions	Draft Complete		

TABLE 5 TECHNICAL STUDIES COMPLETED TO DATE, AND THOSE STILL ON-GOING

EIS Section	Status	Notes	Expected Completion
Geochemistry Characterization Report	In Progress	Draft report of static testing complete. To be updated with final kinetic geochemistry test results	Q4 2022
Mine Waste Disposal Alternative Assessment	Final Report Complete		
Assessment of Geotechnical Conditions	Final Report Complete		
Assessment of Best Available Control Technology	Final Report Complete		
Preliminary Design for the Tailings Storage Facility Design Report	Final Report Complete		
Updated Conceptual Site Water Management Infrastructure Plan	Final Report Complete		
Water Treatment Plant Design Brief	Final Report Complete		
Design Brief – Access Road, Site and Isle aux Morts River Crossing	Final Report Complete		
Dam Breach Assessment	In Progress		Q3 2022
Process Flow Diagrams	Final Report Complete		
Atmospheric Baseline Study Report	Final Report Complete		
Baseline Hydrogeology Assessment	Final Report Complete		
Hydrogeology Modelling Report	Final Report Complete		
Groundwater Supply Report	Final Report Complete		
Baseline Surface Water Report	Final Report Complete		
Mine Wide Water Balance and Water Quality Model	Draft Complete	To be updated with final kinetic geochemistry test results	Q4 2022
Fish and Fish Habitat Baseline Report	Final Report Complete		
Fish Habitat Offset/Compensation Plan	In Progress		Q4 2022
Terrestrial Environment Baseline Report	In Progress		Q3 2022
Avifauna Baseline Report	Final Report Complete		
Caribou Baseline Report	Final Report Complete		
Human Health Risk Assessment Report (HHRA)	In Progress	To be finalized when assessment of surface water and fish to be completed	Q4 2022

6 FORMAL REQUEST UNDER SUBSECTION 181(2.1) TO EXTEND TIME LIMIT

In accordance with subsection 181(2.1) of the Impact Assessment Act, Matador Mining Ltd. (“Matador”) requests that the time limit be extended to provide the final EIS for the project to the Impact Assessment Agency (“IAAC” or “Agency”) with the information and studies that IAAC requires or may in future require for the purpose of conducting the environmental assessment of or preparing a report with respect to the environmental assessment of the Cape Ray Gold Project. Matador respectfully requests that the EIS completion date (which includes the Agency’s conformity review of the EIS, the public comment period on the EIS, the technical review of the EIS; and associated consultation with Indigenous communities) be extended to 28 August 2025. Set out below are the relevant legislative provisions.

Section 181, in part, reads:

181 (1) Any environmental assessment of a designated project by the former Agency commenced under the 2012 Act before the day on which this Act comes into force, in respect of which the former Agency has posted the notice of commencement under section 17 of the 2012 Act before that day, is continued under the 2012 Act as if that Act had not been repealed.

(2) The proponent of a designated project referred to in subsection (1) must provide the Agency with any information or studies required by the Agency or the former Agency under subsection 23(2) of the 2012 Act within three years after the day on which this Act comes into force.

(2.1) At the proponent’s request, the Agency may, before the time limit referred to in subsection (2) has expired, extend the time limit by any period that is necessary for the proponent to provide the Agency with the information or studies.

If the proponent fails to provide the information or studies within the time limit referred to in subsection (2) or within any extension of that time limit, the environmental assessment is terminated. The Agency must post a notice of the termination on the Internet site.

Subsection 181(2.1) “information or studies” are those required under subsection 23(2) of the Canadian Environmental Assessment Act, 2012 (“CEAA 2012” or “2012 Act”). Section 23 reads:

23 (1) The responsible authority may, when conducting the environmental assessment of a designated project and preparing the report with respect to the environmental assessment of the designated project, use any information that is available to it.

(2) However, if the responsible authority is of the opinion that there is not sufficient information available to it for the purpose of conducting the environmental assessment or preparing the report with respect to the environmental assessment of the designated project, it may require the collection of any information or the undertaking of any study that, in the opinion of the responsible authority, is necessary for that purpose, including requiring the proponent to collect that information or undertake that study.

In accordance with IAAC’s recommendations that Matador coordinate the CEAA-2012 process with the NL-EPA process, so that a single EIS is published that complies with both IAAC Guidelines (“IAAC-Guidelines”) and NL-ECC Guidelines, will in the anticipated course of future events, result in IAAC requiring Matador to supply additional information and studies to both agencies. The coordination of the two processes can easily be achieved as Matador intends to re-register the project under the Newfoundland and Labrador Environmental Protection Act; thus, allowing more time to complete the additional studies and continue with the important work of the IG engagement and public engagement on the resulting effects assessment to VCs and mitigation and monitoring plans.

Matador formally requests that the Agency, in accordance with subsection 181(2.1), extend the Time Limit for completion of the EIS for the project to 28 August 2025.

Attachments

- A. Summary of Workplan for Completion of EIS
- B. Project Engagement Chapter and Engagement Logs



**CAPE RAY GOLD PROJECT
PUBLIC CONSULTATION AND INDIGENOUS ENGAGEMENT**

The terms and acronyms to be used in supporting reports and within the EIS Report are provided in below.

Definition of Terms and Acronyms	
% Ha	Percentage of people highly annoyed
°C	Degrees Celsius
AAC	Annual Allowable Cut
AAQM	Ambient Air Quality Monitoring
ABA	Acid base accounting. ABA tests are used to assess the risk of acid generation from sulphide oxidation by determining the acid potential (AP) which is a calculated value based upon sulphide content, and neutralization potential (NP) which is measured by reacting the sample with a reactive alkali mineral (calcium carbonate). More details can be found in Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials (MEND, 2009).
Access Road	Road between provincial highway 470 and Project Site, as shown in Figure 2-1.
Access Road Corridor	100 meter wide corridor centered on the access road
AADT	Average Annual Daily Traffic
AAQM	Ambient Air Quality Monitoring
ACB	Air Contaminant Benchmark (Ontario)
ADA	Agricultural Development Area
AEMP	Aquatic Effects Monitoring Program
AFS	Atlantic Salmon Federation
AP	Acid Potential
AQMP	Air Quality Management Plan
ARD	Acid Rock Drainage
As	Arsenic
Ba	Barium
BACT	Best Available Control Technology
Be	Beryllium
Bi	Bismuth
BMP	Best Management Practices
BMU	Bear Management Units
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CAAQS	Canadian Ambient Air Quality Standards
CAC	Criteria Air Contaminant
CALA	Canadian Association for Laboratory Accreditation
CCME	Canadian Council of Ministers of the Environment
Cd	Cadmium
cd	Candela
CEAA	Canadian Environmental Assessment Agency
CEAA 2012	<i>Canadian Environmental Assessment Act 2012</i>
CEPA	<i>Canadian Environmental Protection Act, 1999</i>
CH ₄	Methane
CIE	<i>Commission International de L'Éclairage</i>
CIL	Carbon-in-Leach
CCME	Canadian Council of Minister of the Environment
CEAA	Canadian Environmental Assessment Act
cm	Centimetre
CMU	Caribou Management Units
Co	Cobalt
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
Cr	Chromium (non-hexavalent forms)
CRIC	Cape Ray Igneous Complex
CRFZ	Cape Ray Fault Zone
CRHSS	Conne River Health and Social Services

Definition of Terms and Acronyms	
CSI	Crime Severity Index
Cu	Copper
dB	Decibel
dBA	Decibel on A-weighted Scale
dBz	Decibel on Z-weighted Scale
DCF	Discount Cash Flow
Deposit	Refers to currently known mineralized deposits, including Central Zone (4, 41, 51) and Window Glass Hill
DFLR	Department of Fisheries and Land Resources
DFO	Federal Department of Fisheries and Oceans
dm	Dry Material
DMAE	Department of Municipal Affairs and Environment
DNR	Department of Natural Resources
EA	Environmental Assessment
EAC	Environmental Assessment Committee
EAG	Environmental Applications Group
ECCC	Environment and Climate Change Canada
EDF	Environmental Design Flood
EF	Emission Factor
EEM	Environmental Effects Monitoring
EIS	Environmental Impact Statement
ELC	Ecological Land Classification
EPP	Environmental Protection Plan
ESA	Environmental Site Assessment
FAL	Freshwater Aquatic Life
FEL	Front-end Loader
FID	Final Investment Decision
FMD	Forest Management District
FSA	Fish Stock Analysis
GBC	Grand Bay Complex
GCDWQ	Guidelines for Canadian Drinking Water Quality
GDP	Gross Domestic Product
GHG	Greenhouse Gases
GVMS	Gross Value of Mineral Shipments
Ha	Hectares
HADD	Habitat Alteration Disruption or Destruction
HCN	Hydrogen Cyanide
HEU	Habitat Equivalency Units
HFCs	Hydrofluorocarbons
Hg	Mercury
HHRA	Human Health Risk Assessment
IAA 2019	Impact Assessment Act 2019
IAAC	Impact Assessment Agency of Canada
IDA	International Dark Sky Association
IESNA	Illuminating Engineering Society of North America
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
ISTEP	Indigenous Skills and Employment Training Program
kg/d	Kilograms per day
kinetic tests	These long-term acid generation and metal leaching potential tests are designed to assess reaction rates (e.g., rate of sulphide oxidation, neutralizing mineral dissolution, acid generation or metal leaching).
km	kilometres
km ²	square kilometres
kt	Kilotonne
kv	kilovolt
L	litre

Definition of Terms and Acronyms	
lb/hp-hr	Pounds per Horsepower-hour
L _d	Sound Pressure Levels for the Daytime
LED	Light Emitting Diode
IESNA	Illuminating Engineering Society of North America
L _{eq}	Sound Pressure Level Equivalent
LFN	Low Frequency Noise
Li	Lithium
L/min	Litres per minute
LME	London Metal Exchange
L _n	Sound Pressure Level for Nighttime
LSA	Local Study Area
LSI	Langelier Saturation Index
Lux	One Lumen per Square Metre
m	metre
M	Million
m ²	Square metre
m ³	Cubic Metre
m ³ /d	Cubic Metre per Day
mm	Millimetre
m/s	Metres per second
MAC	Mining Association of Canada
MAD	Mean Annual Discharge
masl	Metres Above Sea Level
mag/arcsec ²	Magnitude per Square Arc Second
mbgs	Metres Below Ground Surface
Matador	Matador Mining Ltd.
MBCA	Migratory Birds Convention Act
MDMER	Metal and Diamond Mining Effluent Regulations
MECP	Ministry of Environment, Conservation and Park
MFN	Miawpukek First Nation
MGGA	Management of Greenhouse Gas Act
ML	Metal Leaching, used to refer to rock that poses a potential risk of leaching metals
MMA	Moose Management Areas
Mtpa	Million Tonnes per Annum
MW	Megawatt
N ₂ O	Nitrous Oxide
NAG	Test: Net Acid Generation test. The NAG test uses hydrogen peroxide to oxidize a pulverized sample. The mixture is left to react for 24 hours and then it is boiled for two (2) hours before being titrated against sodium hydroxide (caustic soda) to measure acid generation. The harsh oxidizing conditions of the test ensure that all of the sulphide minerals present are oxidized and it provides a good indication of the ability of the less reactive minerals to neutralize acidity. This static test is further defined in Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials (MEND, 2009).
NAPS	National Air Pollutant Surveillance
NCDC	National Climatic Data Center
NF ₃	Nitrogen Trifluoride
NGOs	Non-governmental Organizations
NH ₃	Ammonia
Ni	Nickel
NIR	National Inventory Report
NL	Newfoundland and Labrador
NLAAQS	Newfoundland and Labrador Ambient Air Quality Standards
NLDECC	Newfoundland and Labrador Department of Environment and Climate Change
NLEPA	Newfoundland and Labrador <i>Environment Protection Act</i>
NLDFFA	Newfoundland and Labrador Department of Fisheries, Forestry and Agriculture
NLDMAE	Newfoundland and Labrador Department of Municipal Affairs and Environment (Now NLDECC)

Definition of Terms and Acronyms	
NLDECC	Newfoundland and Labrador Department of Environment and Climate Change
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
NOC	National Occupational Classification
NOIA	Newfoundland and Labrador Oil and Gas Industrial Association
NPR	Neutralization Potential Ratio
Non-PAG	Not potentially acid generating
NL	Newfound and Labrador
NLDECC	NL Department of Environmental and Climate Change
NLDNR	Newfoundland and Labrador Department of Natural Resources
NL Power	Newfoundland Power
NLEAA	Newfoundland and Labrador Environmental Assessment Agency
NLEAD	Newfoundland and Labrador Environmental Assessment Division
NPR	Neutralization Potential Ratio, calculated by dividing Neutralization Potential by Acidity Potential during the ABA test (refer to ABA).
NPRI	National Pollutant Release Inventory
O ₃	Ozone
PABG	Port Aux Basques Gneiss
PAG	Potentially acid generating
PAHs	Polycyclic Aromatic Hycarbons
Pb	Lead
PDA	Project Development Area
PEA	Preliminary Economic Assessment
PEST	Parameter Estimation
Plant Site	The area that hosts the Process Plant and ancillary surface infrastructure (see Figure 2-2).
PFCs	Perfluorocarbons
PM _{2.5}	Fine Particulate Matter with an Aerodynamic Diameter less than 2.5 µm
PM ₁₀	Respirable Particulate Matter with an Aerodynamic Diameter less than 10 µm
PoE	Pathways of Effects
POPC	Parameters of Potential Concern
Project	Cape Ray Gold Project (inclusive of all Project phases)
Project Site	This term is generally used to describe the development footprint shown in Figure 2-2. The Project Site does not include the access road corridor.
Property	Cape Ray Property, as defined in Figure 2-1. The Property includes the mineral claims that are held by Matador as of January 3, 2021.
PSSP	Post-secondary Student Support Program
PWL	Sound Power Level
QDC	Qalipu Development Corporation
QFN	Qalipu First Nation
ROM	Run of Mine
RQD	Rock Quality Designation
RSA	Regional Study Area
RSF	Rock Storage Facility
SAR	Species at Risk
SARA	Species at Risk Act
Sb	Antimony
SCS	Sediment Control Structures
SDS	Safety Data Sheet
Se	Selenium
SEA	Socio-economic Agreement
SF ₆	Sulfur Hexafluoride
SFE	Shake Flask Extraction test. The SFE tests described herein uses slightly acidic deionized water (pH around 5.5) to leach soluble constituents from pulverized samples using a liquid to solid ratio of 3:1 (by weight). The prepared mixture is continuously agitated and left to react for 24 hours, after which time the leachate is filtered (0.45 micron filter) and analyzed for metal content. This static test is further described in Prediction

Definition of Terms and Acronyms	
	Manual for Drainage Chemistry from Sulphidic Geologic Materials (MEND, 2009). The SFE test is often synonymous with the Synthetic Precipitation Leaching Procedure described in many industry publications.
Site Road	Roads within the Project Site, as shown in Figure 2-2.
Sn	Tin
SO ₂	Sulphur Dioxide
SOCC	Species of Conservation Concern
SOP	Standard Operating Procedure
Sr	Strontium
Static tests	These short-term acid generation and metal leaching potential tests are designed to quantify fundamental geochemical parameters (e.g., elemental concentration) but provide no information on rates of chemical reactions.
T	tonne
TCH	Trans-Canada Highway
TK	Traditional Knowledge
tpd	Tonnes per Day
TLRU	Traditional Land and Resource Use
TMF	Tailings Management Facility
TSF	Tailings Storage Facility
TSP	Total Suspended Particulate
TSS	Total Suspended Solids
UFR	Upward Flux Ratio
ULR	Upward Light Ratio
µm	Micrometre
µg/m ³	Microgram per Cubic Metre
Uncertain	Uncertain acid generating potential
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
VC	Valued Component
VOCs	Volatile Organic Compounds
WGH	Window Glass Hill, used in reference to the WGH deposit
WHO	World Health Organization
WPG	Windsor Point Group
WPM	Wetted Perimeter Method
WRSA	Waste Rock Storage Area
YOY	Young of the Year, used in reference to fisheries assessment work
Zn	Zinc

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5 PUBLIC CONSULTATION AND INDIGENOUS ENGAGEMENT PROGRAM

This chapter provides an outline of the Public Consultation and Indigenous Engagement that has occurred to date for the Cape Ray Gold Mining Project. Information is provided relating to the Matador Engagement Strategy as well as more details of the specific engagement activities completed with the groups and communities identified to be potentially impacted by the Project to support the submission of the EIS.

5.1 OBJECTIVE

Matador is committed to stakeholder and rightsholder consultation and engagement as part of the Project. Using key values of openness, transparency, collaboration and respect, Matador has worked with the local communities, the Newfoundland Mi'kmaq, non-governmental organizations (NGOs), regulatory agencies and interested members of the public.

Both federal and provincial EA legislation requires consultation with the public and Indigenous engagement to recognize concerns about adverse effects of the environment and identification of steps taken by Matador to address these concerns; therefore, these are specifically identified in the EIS related to the Project. Beyond the regulatory requirements, Matador strongly believes that meaningful engagement is crucial to the success of any development. Matador is committed to maintaining stakeholder consultation and Indigenous engagement throughout the life of the Project; these activities extend well beyond the Environmental Assessment (EA) process.

Consultation efforts have been and will continue to be documented in Matador's Record of Consultation and Engagement Logs (Indigenous and Public) in Appendix XX. A summary of issues from Matador's Public Consultation and Indigenous Consultation and Engagement efforts are below in Sections 5.3.2 and 5.6, respectively.

5.2 ENGAGEMENT STRATEGY

The Project changed ownership in 2018 and Matador initiated drilling and re-initiated the EA and permitting process, including development of a consultation and engagement plan for the EA, which was developed in July 2019.

Matador has initiated consultation efforts with municipal governments, outfitters, cabin owners, special interest groups and members of the public. In 2021, a Public Engagement Plan (Plan) was developed by Matador for the Project. The Plan sets out the engagement activities that Matador will undertake to meet or exceed expectations of the EIS under CEAA 2012.

A successful community engagement strategy provides flexibility to allow adaptation to the needs of the community. The Matador engagement strategy is being continually updated and is paired with a broader communications plan to ensure messaging, communication and engagement initiatives are aligned and mutually supportive.

5.2.1 Open House

Open houses allow Matador to inform the general public about a proposed Project, and conversely, interested members of the public have the opportunity to view information and speak directly with Matador representatives. This allows one-on-one discussions to answer questions and allow for deeper, more detailed questions to be answered. For many members of the public, open houses are a more comfortable form of communication with Matador than other forms of engagement, such as town hall type meetings.

The open houses involved a short Project presentation and/or information boards and displays showing the location of the proposed Project in relation to nearby communities, facts and figures pertaining to the development and each Valued Component (VC) and an update to the general public on the status and progress of development activities, such as the EIS, anticipated construction schedule and Project timeline. As the Project progresses, more technical and detailed information has been provided during open house sessions.

Matador has held four public information sessions:

- Port-aux-Basques on September 17, 2019 – Bruce II Sports Centre Joe Lane Room;
- Isle-aux-Morts on September 18, 2019;
- Isle-aux-Morts on November 3, 2021; and
- Port-aux-Basques on November 4, 2021 – Community Centre.

Details relating to these open houses are provided in Section 5.3.1 below.

5.2.2 Presentations and Meetings with Local Community Groups

Matador has made presentations to several organizations and community groups on its exploration and mine development activities in Newfoundland. To date, these organizations include the Newfoundland and Labrador Outfitters Association, Isle-aux-Morts ATV Club and the Atlantic Salmon Federation. Depending on the interest of community groups, Matador will continue to make presentations to share information about its operations in Newfoundland. Matador actively searches for opportunities to speak with community groups to answer questions and promote partnerships where appropriate.

Matador met with the Isle-aux-Morts ATV Club on August 21, 2020 to present a slideshow and provide an opportunity for questions and answers. Members shared concerns, which have been captured in the Table titled Summary of Key Issues Raised During Public Engagement, Table 5-1 below.

Matador met with the Atlantic Salmon Federation (ASF) via telephone on November 26, 2021 to follow-up on a conversation from the Public Open House and provide an opportunity for two-way communication relating to ASF concerns with the Project and Project information sharing.

Matador met with the Newfoundland and Labrador Outfitters Association on March 9th, 2022. Matador provided a Project update and an opportunity to better understand the role of outfitters and potential impacts from the proposed Project on local outfitters. The Association President provided information on the outfitters in the area and stated they would be happy to assist in sharing information with outfitters, if needed.

Matador has had written correspondence with the Delta Waterfowl Association. On February 18, 2022, Matador e-mailed the Association to provide a Project update and offer an opportunity to meet with them as well as providing contact information for engagement.

Matador has and will continue to meet with local community groups in smaller sessions. Depending on the interest of community groups as the Project develops, Matador will continue to meet with community groups to provide information and respond to any concerns. This may include local ATV clubs, environmental groups, business development organizations and other interested community groups.

5.2.3 Website, E-mail, Phone Line and Other Digital Media

All publicly available Project related material will be made available on the Project website: <http://matadormining.com.au/cape-ray-gold-project/>. Matador has provided a Contact Form on their website for any queries or concerns related to environmental and/or stakeholder issues (<https://matadormining.com.au/cape-ray/environmental-stakeholder-activities/>).

A commercial office space has been obtained in Port-aux-Basques to elevate the company's community presence and facilitate outreach with local stakeholders regarding the Project.

5.2.4 Media and Press Releases

The Wreckhouse Weekly newspaper published an article about the Cape Ray Gold Project on August 24, 2020. The article provided a summary of the virtual update meeting held on August 17, 2020, and some details of the Project, including estimated timelines for completion of the EIS and construction start date.

5.2.5 Meetings with Local Residents, Landowners and Cabin Owners

There are 22 permanent registered cabins located in close proximity to the Project, which includes 6 registered cabins inside the proposed Project site footprint and 16 registered cabins along the existing access road to the proposed site. Additionally, there are 5 cabins located to the northeast of the Project. The proposed Project, if developed would restrict access to these 5 cabins.

Initial contact with all cabin owners occurred via e-mail correspondence in early 2021. In 2022, Matador began meeting with cabin owners via telephone and virtual meetings to understand their land use and cabin use frequency. In-person meetings occurred with many cabin owners in May 2022. Matador intends to continue meeting with cabin owners to determine the preferred outcome for their cabin in relation to the potential Project impacts. Based on conversations with cabin owners, the cabins are used frequently throughout all seasons for purposes, such as hunting, fishing, trapping, berry picking, recreational land use and relaxation.

The main issues raised by cabin owners are:

- Road traffic management/safety of dogs and children;
- Road traffic/increased use and access;
- Concern about moving cabins and loss of cabins;
- Loss of recreational and hunting areas;
- Potential loss of road access to cabins;
- Concern about bridge issues/gates to access the lands to the northwest of the Isle aux Mort River;
- Impact on salmon and salmon habitat;
- Impact on wildlife – cabin owners stated that moose numbers are declining;
- Potential loss of water source – fresh spring;
- Requirement to transfer crown land lease if moving cabin;
- Decline in wildlife with increased exploration activities;
- Increase in citizens access to the area with improved access roads;
- Loss of cabin for future generations (grandkids);

- Loss of ATV Club access road; and
- Concern about cyanide usage and management of tailings.

5.2.6 Meeting with Local Outfitter Businesses

Matador has met with local Outfitters close to the Project, including Ryan's Outfitters, Deep Valley Outfitters and Mountain Top Cabins Ltd. and has also had written correspondence with other outfitters in the region. The purpose of meeting with outfitters is to better understand land use and potential impacts should the proposed Project be approved. During these meetings, Matador provided a Project update and provided an opportunity for dialogue and two-way communication of questions. Outfitters provided background information on their businesses and shared their comments and concerns.

The main issues raised by local outfitters include:

- Concern about impact on outfitters in region;
- The potential to have increased public access to areas;
- Inquiry about a bypass trail to move past the Project area once access is restricted;
- Location and planning for bridge construction and trails;
- Potential noise from mining activities;
- Inquired about a safety buffer zone for hunting around the Project area;
- Increased numbers of people in the area potentially resulting in displaced wildlife and a change in hunting patterns;
- Inquiry about fencing around the Project area;
- One outfitter indicated the Project would not impact their business; however, it would result in increased access to the area, which could have an impact; and
- Inquired about the rehabilitation of Big Pond.

5.2.7 Regulatory Consultation

Regulatory engagement on the Project has been ongoing since June 2019. Departments from federal and provincial governments have been consulted on the Project, including:

- Port-aux-Basques Mayor and Council;
- Isle-aux-Morts Mayor and Council;
- Fisheries and Oceans;
- Newfoundland Department of Environment and Climate Change (NLDECC);
- Newfoundland Wildlife Division; and
- Canadian Environmental Assessment Agency (CEAA).

A site tour occurred in October 2016 with representatives from CEAA and the NLDECC present.

In March 2019, Matador met with officials from CEAA and NLDECC to introduce the new owners and recommence the EA process as well as confirm the Project description submitted by the previous owners.

In June 2019, Matador met with the EA Committee members for NLDECC and provided an update on EA activities as well as baseline studies in progress or planned and provided an update on consultation activities to date.

Matador met with the Newfoundland Wildlife Division on June 27, 2019, to discuss baseline studies for the Cape Ray Gold Project's Environmental Assessment. Meetings with the Impact Assessment Agency of Canada (IAAC) occurred on November 3, 2021 and March 24, 2022 to discuss Project progress and permitting requirements and expectations.

Meetings with the Mayors and Councils of Port-aux-Basques and of Isle-aux-Morts occurred on August 17, and August 19, 2020, respectively. These meetings presented the planned Project and an opportunity to receive feedback on the regulatory regime and access regional expertise.

5.3 PUBLIC ENGAGEMENT ACTIVITIES

5.3.1 Community Open Houses

The first round of community open houses occurred in September 2019. The goal of the open houses was to introduce the Project and the environmental assessment process to the local community, to introduce the team members to community members and begin to log questions and issues that would need to be addressed during the EA process. At the September 2019 open house, a slideshow provided an overview of the proposed Project, planned and completed baseline studies and a high-level overview of additional environmental work plans including stakeholder, regulatory and Indigenous Engagement.

One community open house was held in Port-aux-Basques at the Bruce II Sports Centre on September 17, 2019. Matador had two representatives attend the open house and numerous community members were present.

The main issues raised at the open house included:

- Types of minerals being explored for;
- The location of deposits, potential areas for exploration and extension of the Project;
- The potential for underground mining;
- Continued access for the public;
- Inquiring about Project updates being available on Matador's website;
- The potential for employment;
- Location of the mine's tailings pond, employee work camp and mill;
- Source of water supply for the Project and discharge;
- Concerns about the potential for flash floods leading to potential cyanide contamination;
- Potential impacts to local hunters and outfitters;
- Which port would be used (PAB or IAM);
- Potential impacts on local cabins and the possibility of cabin relocations; and
- End of mine life costs and remediation plans.

A second community open house was held at the Isle-aux-Morts Community Centre on September 18, 2019. Matador had two representatives attend the open house (one representative in person and one attending virtually) and numerous community members were present.

The main issues raised at the open house included:

- Processing and shipping of ore;
- Inquiring if there will be a mill;

- The potential for a larger ore deposit being discovered;
- Time of year the mine will operate;
- Inquiry about the location of the tailings pond and water use;
- Potential impacts to nearby cabins;
- Potential hunting restrictions near the work camp;
- Continued use of the access road; and
- Project timeline and employment opportunities.

To publicize the September 2019 Open Houses, ads were placed in the Gulf News one week before the events.

The second round of community open houses was held in Port-aux-Basques and Isle-aux-Morts in November 2021. Matador hosted the event and provided refreshments and an opportunity to review the poster boards. The poster boards included information relating to the following topics:

- Company Overview
- Project Overview
- Valued Components:
 - Project Overview;
 - Atmospheric Environment;
 - Groundwater;
 - Surface Water Quality;
 - Fish and Fish Habitat;
 - Terrestrial Environment;
 - Avifauna;
 - Caribou;
 - Community Services and Infrastructure;
 - Economy and Employment;
 - Historic Resources;
 - Indigenous Groups; and
 - Land and Resource Use.

The first community open house was held in Isle-aux-Morts on November 3, 2021. Matador had a team of three attending in person with a fourth representative linked in virtually and approximately 20 members of the public were in attendance.

Matador provided an overview of the Project and the EA update as well as the targeted Project timeline. A representative with the ASF expressed some concerns relating to potential discharge water into the Isle aux Mort River and the potential for impact to salmon and other fish species. Matador is committed to completion of water treatment and monitoring to ensure discharge meets regulatory requirements prior to water being discharged to the river.

Additional topics raised at the open houses included:

- Potential impacts to the Isle-aux-Morts River;
- Inquiry about the location of wastewater discharge;

- Maintaining buffers around the Isle-aux-Morts River;
- Potential to expose acid generating rocks; and
- Commitment to meeting with potentially impacted cabin owners in attendance in early 2022.

The second community open house in Port-aux-Basques was held on November 4, 2021. Matador had a team of three attending in person with a fourth representative linked in virtually and 12 members of the public were in attendance, including the Deputy Mayor of Port-aux-Basques.

Matador provided an overview of the Project and the Environmental Assessment update as well as the targeted Project timeline.

An overview of the topics raised at the open houses included:

- Ways the town can support the Project;
- Employment opportunities and training;
- Confirmation from Matador that they intend to build the Project and continue exploration; and
- Potential impacts to cabin owners and access for cabin owners northeast of the proposed Project.

To publicize the November 2021 Open Houses, ads were placed in Wreckhouse paper one week before the events. Members of the public and local organizations were invited to attend including the Atlantic Salmon Association and Delta Waterfowl Association.

5.3.2 Key Issues Raised and Proponent Responses

Table 5-1 provides a summary of key issues raised during public consultation and engagement activities relative to the EIS of the Project. For each key issue identified, a summary of Matador’s response is provided along with references to sections in the EIS, which more fully addresses the issue.

TABLE 5-1 SUMMARY OF KEY ISSUES RAISED DURING PUBLIC ENGAGEMENT		
Key Issue	Summary of Proponent Response	Primary EIS Reference
Concern about gating/preventing access northwest of the Isle-aux-Morts River	Matador has committed to the creation of a new bypass road to ensure continued access to cabin and recreation areas north of the Isle-aux-Morts River.	
Concern relating to continued use of access road for public	Matador stated that the access road is Crown Land and use of the access road outside of the Cape Ray Gold Project will not be restricted.	
Concern about increased public access to the area with upgraded access roads potentially resulting in displaced wildlife and a change in hunting patterns	Matador acknowledges that the upgraded access road may increase local traffic. Matador is committed to the development of a Traffic Management Plan to mitigate risks of an accident, collision with wildlife, and to ensure speed limits are respected.	
Road traffic management from a safety perspective for cabin owners (safety of dogs and children)	Traffic study?	

TABLE 5-1 SUMMARY OF KEY ISSUES RAISED DURING PUBLIC ENGAGEMENT		
Key Issue	Summary of Proponent Response	Primary EIS Reference
Concern about elevated noise and light levels potentially impacting wildlife in addition to impacts on hunting and recreational practices near the mine	Matador has worked with the local community to understand how they use the land and whether elevated light and noise levels in close proximity to the mine is a concern based on hunting patterns and recreational use. Implementation of measures to reduce noise and light during operations and from trucks to minimize impact.	
Potential loss of hunting, fishing and recreational areas	Matador has committed to the creation of a new bypass road to ensure continued access to cabin and recreation and hunting areas north of the Isle-aux-Morts River. Matador will complete reclamation of the Project Site once operations cease to allow for recreational activities to recommence. Matador is committed to all necessary water treatment to ensure site discharge meets regulatory criteria in the receiving environment.	
Potential habitat loss from Project exploration and development, including forest, wetlands, flora and fauna	Matador has worked to reduce the overall Project footprint (site disturbance) wherever possible and will continue to micro-sight during detailed engineering and permitting. Matador will complete reclamation of the Project Site once operations cease. Matador is committed to all necessary water treatment to ensure site discharge meets regulatory criteria in the receiving environment. The Project will require a Fisheries Act Authorization and an associated Fish Offsetting Plan.	
Questions about contingency planning for accidents and malfunctions including flash floods	Hazards have been identified and assessed based on risk with mitigations and contingency planning in place. Future detailed planning and implementation of the Cape Ray Gold Project will further address potential accidents and malfunctions.	
Potential impacts to local outfitter businesses	Matador has met with local outfitter businesses and will work to minimize impacts from the Cape Ray Gold Project on outfitter hunting zones. Matador commits to on-going engagement with these businesses.	
Inquiries relating to the source of water to be used by the Project and discharge of water used	Matador will separate fresh surface water and mine contact water and will have diversion channels for surface water around the mine. Water used in mining will be treated and recirculated for processing. Mining water will only be discharged after meeting stringent regulatory criteria. Regular testing of surface water discharge will occur.	
Concerns relating to potential impacts to waterways, water bodies and aquifers	Planning to reduce direct and indirect impact. Predictive modelling to understand how the mine operations may indirectly impact waterways, water bodies and aquifers so that monitoring can be planned to confirm these predictions and adapt as required.	

TABLE 5-1 SUMMARY OF KEY ISSUES RAISED DURING PUBLIC ENGAGEMENT		
Key Issue	Summary of Proponent Response	Primary EIS Reference
Managing water quality and water monitoring and requests for water sample results to be shared with the public	Matador provided a summary of all predictive water quality modelling work completed to support the EIS and summarized this information for the public. Water treatment will be completed, if required, during operations and closure phases.	
Inquiries relating to the existing deposit, future exploration and development	Exploration efforts are on-going and should further deposits be found, Matador would be required to complete any permits for new projects	
Potential employment opportunities and request for Matador to prioritize hiring of the local population for Cape Ray Gold Project related jobs	Matador intends to prioritize hiring and training local workers for the Cape Ray Gold Project.	
Concerns and questions about surface water and impacts to salmon in the Isle-aux-Morts River	Planning to reduce direct and indirect impact. Predictive modelling to understand how the mine operations may indirectly impact the Isle aux Morts River so that monitoring can be planned to confirm these predictions and adapt as required.	
Impacts to fish and fish habitat	Matador has provided information on baseline conditions of surface water bodies and watercourses within the Project Site to the public during open house forums. Direct and indirect potential impacts to fish and fish habitat from Project development were described. Proposed mitigation and offsetting measures have been described to reduce residual effect to fish.	
Concerns about the need to relocate cabins	Matador is committed to working with cabin owners to determine the best outcome regarding interactions with cabins during the life of the mine	
Concerns about increased traffic on the access road impacting cabin owners	The access road will need to be upgraded and widened to accommodate mining vehicles and Matador agrees to relocate cabins to a safe distance from the road as deemed necessary.	
Long term storage and safety of tailings and other potential contaminants	Containment and management of all tailings within the Tailings Management Facility (TMF). Reclamation bonding to ensure long-term monitoring and remediation of mine site	
Concerns about potential Cyanide contamination in the natural environment	Matador commits to cyanide destruction at the mill site during operations and water treatment, if required, and monitoring will take place prior to site water discharge.	
End of mine life costs and remediation plans	Matador agrees to implement plans to return the site as close to pre-mine conditions as possible	

5.4 ONGOING COMMUNITY ENGAGEMENT

Matador has made strong commitments to ongoing community engagement, including cabin owners and recreational land users, outfitters, and local community groups and non-governmental organizations (NGOs).

5.4.1 On-going Community Engagement

Matador intends to continue to engage with the community and will continue to implement its engagement strategy. Relative to the Project, specific commitments are made by Matador in terms of engagement during the next steps in the EA processes, including:

- Sharing key aspects of the Project with interested stakeholders and community members;
- Holding meetings with interested stakeholders, community members and organizations; and
- Answering specific questions posed directly to the company by providing additional information where feasible.

As part of the understanding that engagement plans need to be flexible, Matador will address and respond to additional stakeholders identified or issues noted as the EIS moves forward throughout the life of the Project.

5.5 INDIGENOUS PEOPLES CONSULTATION AND ENGAGEMENT PROGRAM

Matador is committed to meaningful engagement with Indigenous Peoples to support Project development. Matador commenced engagement with the Miawpukek First Nation and the Qalipu First Nation in 2019. During the development of the EIS, Matador engaged with Indigenous communities that may be affected by the Project and obtained feedback on the development of the Project, obtained Aboriginal Traditional Knowledge and completed Traditional Land Use Studies.

5.5.1 Objective

Beyond the federal and provincial EA legislation requirements for Indigenous engagement, Matador strongly believes that meaningful engagement is crucial to the success of any development. Matador is committed to maintaining Indigenous engagement throughout the life of the Project and these activities extend well beyond the EA process.

Engagement efforts have been and will continue to be documented in a Record of Consultation and Engagement (Indigenous and Public) in Appendix XX.

5.5.2 Engagement Framework

Matador developed an Engagement Framework for consultation with the Miawpukek First Nation (MFN). The purpose of the engagement framework is to formalize MFN involvement in the Cape Ray Gold Project, to allow for formal feedback from MFN relating to the environmental assessment process and to allow for data sharing relating to traditional land use and Indigenous knowledge.

5.5.3 Indigenous Groups in Newfoundland

There are two Mi'kmaq First Nations in Newfoundland; Miawpukek First Nation (MFN) and Qalipu First Nation (QFN). MFN and QFN may be potentially affected by or interested in the Project as these Nations continue to use and harvest traditional resources in Newfoundland for subsistence and cultural purposes in addition to using land and waterways for travel and resource use, communal and spiritual activities and recreation. Further details on MFN and QFN are provided below.

5.5.3.1 Miawpukek First Nation

Miawpukek First Nation, also known as Conne River, is located approximately 155 km from the proposed Project area on the south coast of the island of Newfoundland. Miawpukek became a permanent community around 1822, prior to which it was a semi-permanent location used by the Mi'kmaq people as they travelled throughout the region, seasonally. In 1987, the Miawpukek Reserve was officially designated under the Indian Act as the Samiajj Miawpukek Indian Reserve (MFN, 2022). As of May 2022, the total registered membership of Miawpukek First Nation was 3,073 with 822 members living on the Reserve (GoC, 2021).

Members of MFN practice fishing of cod, eel, redfish, herring, lobster, capelin, squid and salmon, which is only consumed on special occasions, as well as harvesting of key species, including moose, caribou, partridge, beaver, rabbit, muskrat and various types of berries and fruit, in addition to harvesting of various traditional medicines. Specialty woods are used for crafting and healing (MFN & TEA, 2022).

5.5.3.2 Qalipu First Nation

Qalipu First Nation is a Mi'kmaq First Nation established in 2011 as an Indigenous Band under the Indian Act. Qalipu has no reserve lands and the 24,000 members of QFN live in 67 communities across Newfoundland in 9 electoral Wards, making it one of the largest First Nation groups in Canada. The main administrative office is located in Cornerbrook and four satellite offices are located in Grand Falls/Windsor, Stephenville, Glenwood and St. Georges. The communities closest to the proposed Project would be Burgeo, which lies approximately 60 km due east of the proposed Project and Bay St. George South/St. Fintans, which is located approximately 50 km north of the Proposed Project (QFN, 2016).

Information from the QFN Traditional Land Use Study indicates that a variety of land and resource use activities occur within 5 km, 20 km, and 50 km of the Project Site including hunting, trapping, fishing, harvesting, accessing sacred and or spiritual sites, burial sites, specialty forestry areas, specialty geological areas, shelters, camps and villages (QFN, 2021).

Members of the QFN practice fishing of salmon, cod, eel, redfish, herring, lobster, capelin and squid and harvesting of moose, caribou, partridge berry and snowshoe hare. The central area is home range for several caribou herds, including Buchans, Gaff Topsails, Grey River and La Poile. Members of the QFN use specialty woods to create snowshoes, sleds, boats, axe handles and baskets and harvest many medicinal plants. The two commercial fisheries of the QFN are the Mi'kmaq Commercial Fisheries Inc and Qalipu Marine Holdings.

5.6 KEY ENGAGEMENT ACTIVITIES

Matador has prioritised working with local Indigenous communities to identify and protect Indigenous values and sensitive sites and is committed to carrying out meaningful and good faith engagement with the Indigenous Groups that may be affected by the Project. Matador is committed to maintaining an “open-door” policy and has provided notices and updates regarding activities on the Project.

Information shared by Matador included the Project description, existing site conditions, effects assessment methods and results, proposed mitigation measures and proposed monitoring and management plans. Matador also shared proposed opportunities for Project benefits with the staff and Chief and Council. Concerns discussed during the meetings are outlined in the Summary of Key Issues table, Table 5-2.

TABLE 5-2 SUMMARY OF KEY ISSUES RAISED DURING MI'KMAQ ENGAGEMENT

Key Issue	Summary of Proponent Response	Primary EIS Reference
Loss of habitat and access to mine sites to undertake traditional practices, such as hunting, fishing and harvesting	<ul style="list-style-type: none"> • The loss of access within the Project Area is for a 14 year timeframe and has been communicated to the Newfoundland Mi'kmaq. • Reduce mine site footprint through infrastructure placement and planning. • Fish habitat restoration will be completed to compensate for lost fish habitat. • Commitment to reclamation with Mi'kmaq participation in planning and implementation to restore habitats and allow traditional practices to resume within the Mine Site. • Re-vegetation with a native mix of plants determined in consultation with Mi'kmaq communities. 	
Concerned about potential seepage of contaminants into the surrounding environment		
Stated the importance of Employment and Training opportunities for Indigenous community members	Matador will prioritize hiring local people and Indigenous community members and are committed to developing training programs to allow for local and Indigenous people to be ready for the jobs when the mine is ready to construct.	
Impacts to fish and fish habitat	<ul style="list-style-type: none"> • Planning to reduce direct and indirect impact. • Predictive modelling to understand how the mine operations may indirectly impact fish habitat and wetlands so that monitoring can be planned to confirm these predictions and adapt as required.. • Commitment to Offsetting Plans to compensate for lost fish habitat and Indigenous participation in plan development and implementation. 	
Concerns about potential impacts to hunting, medicinal plants and vegetation		
Concerns about potential contamination of water and environment from sources such as gas, fuel, cyanide and mine tailings	<ul style="list-style-type: none"> • Matador agrees to destroy cyanide on site and to determine waste rock handling based on results from technical studies (feasibility and pre-feasibility). • Managing site water to centralized discharge location(s). • Committed to water treatment when needed, prior to discharge. • Committed to a robust monitoring program to confirm water quality and work to have Indigenous participation in monitoring programs. 	
Potential for exploration and mining activities to impact wildlife, including Caribou		
Concerns over mine closure process	Reclamation bonding to ensure long-term monitoring and remediation of mine site.	
Questions about contingency planning for accidents and malfunctions	Hazards have been identified and assessed based on risk with mitigations and contingency planning in place. Future detailed planning and implementation of the Cape Ray Gold Project will further address potential accidents and malfunctions.	

Key Issue	Summary of Proponent Response	Primary EIS Reference
Request for ongoing engagement with Indigenous Peoples	Matador is committed to ongoing Indigenous engagement and participation for the life the Project – prior to, during and post environmental assessment. This includes communication and information sharing, face-to-face meetings, discussion of impacts and mitigations, and any other issues that may arise as the Cape Ray Gold Project develops.	

In June 2019, Matador met with Chief and Council of Miawpukek First Nation in Conne River to introduce the Project in an information session.

In June 2019, Matador met with Chief and Council of Qalipu First Nation to introduce the Project and provide an information session followed by an opportunity for attendees to ask questions and express concerns.

On October 28, 2019, Matador provided a slideshow presentation to MFN at the Community Centre to provide a Project update and respond to questions.

On November 9, 2020, Matador provided a slideshow presentation to MFN Chief and Council members and community members to review the results of baseline studies and validation of key Project issues.

In April 2021, the Woodland Caribou Surveys in the Cape Ray Project Area report was shared with the Indigenous Communities.

On November 8, 2021, Matador hosted a community open house at the Days Inn in Stephenville for members of the Qalipu First Nation. Matador had three representatives in person and one representative joined virtually. There were 20 community members in attendance. To publicize the event, the community open house was advertised in the Qalipu First Nation newsletter on October 29, 2021.

The main issues raised at the open houses included:

- Use of previously collected traditional land use data;
- Source of chemicals;
- Processing of ore;
- Concerned about seepage;
- Inquiry about the treatment of water used and discharge;
- Timeline for construction of the proposed Project;
- Inquiry about investment in local infrastructure, including healthcare and education;
- Inquiry about the ownership of mining equipment being used;
- Employment opportunities for QFN;
- Inquiry about the source of Baseline Country Food Scope;
- Inquiry about possible contamination including gas, fuel, cyanide and the lining of tailings ponds; and
- Inquiry about accident prevention and contingency plans for errors.

In January 2022, MEL completed a virtual session with Miawpukek First Nation (MFN) to receive preliminary results from the MFN Mi'kmaq Knowledge, Land Use and Occupancy Study for the Cape Ray Project. This

meeting was attended by EAG Group, MEL, Matador and a representative from Stantec Consulting who is responsible for preparation of the Indigenous Groups Valued Component (VC) chapter.

5.6.1 Traditional Land Use Studies

In September 2021, Matador received the traditional land use study from Qalipu First Nation titled *A collection of Land Use and Aboriginal Traditional Knowledge*.

In March 2022, Matador received the traditional land use study from the Miawpukek First Nation titled *Mi'kmaq Knowledge, Land Use and Occupancy Study for the Cape Ray Project*. Key issues raised by the Mi'kmaq of Newfoundland and Proponent Responses.

5.6.2 Ongoing Indigenous Peoples Engagement

The engagement, to date, was documented, including a summary of issues raised and Matador's responses. Relative to the Project, specific commitments have been made by Matador in terms of engagement during the next steps in the EA processes including:

- Holding meetings (in person or virtual) with interested Indigenous groups to share key aspects of the EIS;
- Working to ensure Indigenous groups are provided opportunities to participate in monitoring programs;
- Answering specific questions posed directly to the company by providing additional information where feasible; and
- Working with Indigenous groups to develop a mutually beneficial socio-economic agreement (SEA) with both communities to provide a framework for a lasting relationship through the life of the Project.

5.7 REFERENCES

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Qalipu First Nation (QFN). 2016. Background. Retrieved from: <https://qalipu.ca/about/background/> (accessed June 6, 2022).

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5.8 APPENDIX

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
11-June-19	Qalipu First Nation (Corner Brook)	Chief Brendan Mitchell; Keegan McGrath, Environmental Consultant; Riss Hinks, Director of Natural Resources MFN; Clyde Collier, MAMKA South Technician; Alyssa Hunter, Natural Resources Technician QFN; Jonathan Strickland, Director of Natural Resources QFR; Francis (Frank) Skeard, Glenwood Ward Councillor; Calvin Francis, Gander Bay Ward Councillor; Misel Joe, Miawpukek FN Chief	Matador, EAG	Slideshow presentation by Matador and EAG in council chambers followed by question period.	Both Chiefs stressed that this meeting is more of an introduction and information session, and they do not consider it official consultation.	Offers: economic development officer would provide a list of services that they offer. Comments: Consultation would involve engaging with the Chief, council and community members; both Chiefs stressed environmental protection throughout the project as primary concern; concern about mine closure process; stressed importance of community involvement re employment; concerns about timelines and needs for baseline assessments; need to keep QFN informed at all stages of the project with regular meetings. Asked if the archaeological study would be completed.	Provide example of a compensation agreement with an Aboriginal Community in Australia; follow up with Natural Resources technical regarding environmental baseline studies that they could be involved in; confirm meeting in MFN; develop consultation plan with input from both communities; Keep both communities apprised of EA activities and meetings with EA officials.
28-Oct-19	Miawpukek First Nation (Conne River)	Chief Misel Joe, Band Manager, and members of Council. Open house attended by several community members	Matador, EAG	Slideshow presentation followed by question period. Project Posters and information were provided for open house.		Questions/concerns: footprint size; mining operations; impacts to water; safety (how to prevent TMF failure); toxin disposal (e.g., cyanide).	Mine construction will be by Newfoundland companies. Matador staff will operate the mine facility.
19-Nov-19	Miawpukek First Nation (Conne River)	Chief Misel Joe	Matador, EAG	Dinner with Chief Joe to discuss project and potential participation by members of his community.		Questions/concerns: potential involvement of FN community members.	
6-Mar-20	Miawpukek First Nation (Conne River)	Chief Misel Joe, Council members and community members	Matador, EAG	Slideshow presentation with Project update followed by questions, open house attended by community members – posters.		Questions/concerns: employment opportunities; hunting; medicinal plants and vegetation; mining specifics.	
May-20	Qalipu First Nation (Corner Brook)	QFN Band Manager and Economic Development Officer	Matador, EAG	Teleconference call: slideshow presentation followed by questions and discussion with QFN regarding economic benefits to the community.	Discussion regarding economic benefits to the community.		
June-20	Qalipu First Nation (Corner Brook)	QFN Natural Resource Technician	EAG	EAG discussed participation in field programs by QFN technicians.	Discussion regarding participation in field programs by QFN technicians.		
Sep-20	Qalipu First Nation (Corner Brook)	QFN Chief and Council and community members		Presentation to Chief and Council followed by open house for community.			

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
02-Nov-20	Miawpukek First Nation	MFN Chief and council		Virtual Meeting	Project Update	Review of Project, connection for engagement. Issues to date and how we have addressed. Open dialogue for Traditional Land Use Study.	Follow up on land use study.
09-Nov-20	Miawpukek First Nation	MFN Chief and Council and community members	Matador, EAG	PowerPoint Presentation	Results of Base Line Studies and Validation of Key Project Issues.	Questions/concerns: waste rock and cyanide disposal; impacts to caribou and migration routes; discharge management; impacts to fish and fish habitat; funding for traditional land use and other related studies	Matador agrees to: destroy cyanide on site; determine waste rock handling based on results from technical studies (feasibility and pre-feasibility); EAG will look into any required follow-up caribou migration studies and confirm with NL Wildlife to confirm optimal survey times; separate fresh surface water and mine wastewater (diversion channels for surface water around the mine; water used in mining will be treated and recirculated for processing; mining water discharged only after meeting stringent regulatory criteria; regular testing of surface water drainage); share copies of the presentation for the FN website. Also, Jack Henry Brook was determined to be the downstream limit of environmental effects from the mine footprint. Also, offered FN staff to participate in baseline studies.
23-Nov-20	Qalipu First Nation	Chief and Council		Virtual Meeting, Slideshow Presentation	Project Update	Summary of baseline VC surveys and issues to date and how we have addressed.	
03-Dec-20	Miawpukek First Nation	EAG to MFN		E-mail	Request for traditional land use study.	Request for meeting to discuss.	
03-Dec-20	Qalipu First Nation	EAG to QFN		E-mail	Request for traditional land use study.	Request for meeting to discuss.	
08-Dec-20	Miawpukek First Nation	MFN to EAG		E-mail	Confirmation of request for traditional land use study - request for meeting and definition of a formal consultation process with Matador.	Request for meeting to discuss.	
15-Jan-21	Miawpukek First Nation	Letter from Chief Joe		Letter	Request for funding and consultation framework.	Response letter sent from Matador to Chief Joe.	
15-Feb-21	Qalipu First Nation	Chief Mitchell, Keith Goulding, Odelle Pike, Frank Skeard, Monique Carroll,		Virtual Meeting	Project Update	Review of Project baseline survey results, connection for engagement. Issues to	Ongoing engagement, work towards traditional land use study kick-off.

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
		Jonathan Strickland, EAG, Matador, McCallum.				date and how we have addressed. Open dialogue for Traditional Land Use Study.	
24-Feb-21	Miawpukek First Nation	Letter to Chief Joe		Letter	Request for meeting and sharing of draft framework for engagement.		
26-Feb-21	Qalipu First Nation	Jonathan Strickland, Ian Sullivan EAG		Virtual Meeting	Kick off traditional land use study.	Proposed will be prepared in 2 weeks. 12-week schedule - delivery mid-June 2021.	Qalipu to prepare proposal for TLRUS.
05-Mar-21	Qalipu First Nation	QFN Band Manager		Phone call/teams	Check in meeting.	Received Qalipu community maps from Keith, reviewed progress on traditional land use study.	Qalipu to prepare proposal for TLRUS.
08-Mar-21	Miawpukek First Nation	Chief Joe to Matador		Letter to Matador			
29-Mar-21	Miawpukek First Nation	Chief Joe to Matador		Letter to Matador			
14-Apr-21	Miawpukek First Nation	Tamarack		Phone call/teams	Review MFN letter to Matador re next steps to commence relationship/engagement.	Working to solidify a formalized engagement framework with MFN.	Matador to prepare a response letter
07-May-21	Miawpukek First Nation	Matador		Letter to Chief			
21-May-21	Miawpukek First Nation	Chief Joe to Matador		Letter to Matador			
07-Jun-21	Qalipu First Nation	QFN Band Manager		Virtual Meeting	Update on QFN traditional land use study, review of country foods baseline program, offer to participate, and offer to review caribou report.		Matador to share caribou report, Keith to provide update on traditional land use study and potential participation in country foods baseline program.
21-Jun-21	Qalipu First Nation	QFN Band Manager		E-mail	Request for update on traditional land use study.		
23-Jun-21	Miawpukek First Nation	Tamarack		Phone call	Reviewed proposed path forward to put together framework for engagement plan and scope/scale of MKLU.	Set up a meeting for June 30.	Matador to prepare a response letter.
30-Jun-21	Miawpukek First Nation	Tamarack, MFN		Virtual Meeting	Initial meeting to review approach to prepare engagement plan. Discussion of scope/scale and timeline/costing for MKLU.	Set of action items and planning for a meeting with MFN staff week of July 12, 2021.	see summary notes in folder and action items shared with MFN July 2, 2021.
05-Jul-21	Qalipu First Nation	QFN Band Manager		Virtual Meeting	Reviewed traditional land use progress (data collection is complete as of tomorrow - so far 23 participants), reviewed country foods baseline program, and caribou study.		Matador to provide input on species for country foods; McCallum to provide caribou report for feedback; EAG to provide timeline/scope for country foods for QFN potential participation.
05-Jul-21	Qalipu First Nation	QFN Band Manager		Report sharing	Sent the technical Caribou Report to QFN for review and comment	Requested feedback in monthly meeting, sent report.	

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
12-Jul-21	Miawpukek First Nation	Tamarack, MFN		Letter to Chief	Formalizing of engagement with MFN.	With supporting Engagement Framework.	Preparation for meeting on July 15, 2021
26-Jul-21	Miawpukek First Nation	Tamarack		E-mail	Details of Request for Opportunity to participate in Cape Ray Gold Project country foods baseline data collection program.	Request for response by Aug 6, 2021	
26-Jul-21	Qalipu First Nation	QFN Band Manager		E-mail	Touching base for update on Traditional Land Use Study report timeline, and also for input on country foods baseline.		
26-Jul-21	Qalipu First Nation	QFN Band Manager		E-mail	Details of Request for Opportunity to participate in Cape Ray Gold Project country foods baseline data collection program.	Request for response by Aug 6, 2021	
06-Aug-21	Qalipu First Nation	QFN Band Manager		E-mail	Coordination of a meeting and inquiry about participation in country foods program – any interest from community members.		
06-Aug-21	Miawpukek First Nation	Tamarack		E-mail	Request for meeting and inquiry about participation in country foods program - any interest from community members?		
13-Aug-21	Qalipu First Nation	MFN Band Manager		Virtual Meeting	Check in meeting - reviewed progress on traditional land use study, coordinated meeting between Matador and Chief Mitchell, and reviewed participation in country foods baseline program.	Meeting set up for Aug 27 with Chief Mitchell, two participants from Fisheries Guardian program will do baseline country foods collection, and traditional land use study delivery by the end of the month.	QFN to reach out to McCallum to coordinate folks for country foods program.
16-Aug-21	Qalipu First Nation	QFN		E-mail	Received e-mail from QFN with name of participant for country foods baseline collection program - sent to John S to coordinate participation.		
17-Aug-21	Qalipu First Nation	QFN Band Manager		text	Confirming meeting with Chief Mitchell and Matador on August 27, 2021.	Matador will confirm meeting in the morning.	
17-Aug-21	Miawpukek First Nation	Tamarack		E-mail	Sent Project Area and RSA for caribou shapefile layers to Tamarack to kick off MKLU.	Need to send the aquatics RSA as well when available.	
26-Aug-21	Miawpukek First Nation	Chief and Council, Tamarack		Face-to-face meeting	Reviewed project update with Chief and Council, discussed issues and completed a Q/A, reviewed	Continued work towards an SEA, and land use study on-going, as project evolves,	Follow up with MFN on water monitoring.

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
					progress of Traditional Land Use Study, and discussions relating to Future SEA.	more specific detail can be provided to MFN (technical questions asked).	<p>Determination of treatment requirements for discharge - will Matador treat to CCME.</p> <p>Sharing of reclamation plan and review with MFN - questions about long term legacy.</p> <p>Independent Tailings Review Board? No decision to date.</p> <p>Cyanide Code signator - no.</p> <p>Matador to consider use of auditory deterrents as needed on TMF during operations.</p> <p>Matador to provide a list of skill sets/job opportunities to MFN.</p>
27-Aug-21	Qalipu First Nation	Chief and Natural Resources team, Councillor(s)		Face-to-face meeting	Reviewed project update with Chief and Council, discussed issues and completed a Q/A, reviewed progress of Traditional Land Use Study, discussion around potential for MOU.	No specific outcome of the meeting, continued work towards an MOU, and land use study on-going, as project evolves, more specific detail can be provided to QFN (technical questions asked).	<p>Matador to consider community level engagement sessions (Buckens, Millertown, Junction).</p> <p>Matador to work towards MOU with QFN.</p> <p>Matador to consider helping QFN with capacity building for archaeology services in house.</p> <p>Matador to send presentation to QFN for website for membership.</p>
01-Sep-21	Qalipu First Nation	Chief Mitchell and QFN Band Manager		Face-to-face meeting	Spoke about capacity building initiatives & ideas, and they gave me a copy of the draft MOU with Marathon.	Information sharing meeting only.	
10-Sep-21	Qalipu First Nation	QFN Band Manager		Virtual Meeting	Check in on Traditional Land Use Study timeline for delivery, MOU draft shared (Marathon) and discussion around a working committee commencement for the Cape Ray project	General catch up, review of election process.	<p>Working on framework for MOU with the QFN.</p> <p>QFN to provide update on traditional land use study delivery timeline,</p> <p>Matador/McCallum to reach back to QFN to consider setting up the Working Committee between Matador and Qalipu.</p>
22-Oct-21	Qalipu First Nation	QFN		Virtual Meeting	Planning for the QFN community meeting.	Met with QFN - suggested Stephenville for first community meeting, followed by two meetings (Stephenville and Buchens/grand falls) in the Spring 2022.	Matador to plan and implement community meeting in Stephenville in early November.

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
25-Oct-21	Qalipu First Nation	QFN Councillor		Phone Call	QFN Councillor phoned to share their availability to attend meetings.	They would like to be in communication with us as we move forward and to coordinate future meetings.	
05-Nov-21	Qalipu First Nation	QFN Councillor		E-mail	Meeting scheduled for mid November 2021 with a QFN Councillor.		
08-Nov-21	Qalipu First Nation	Community meeting		face to face meeting		Concerns about chemical and supplies transport, water seepage, water treatment, discharge of water - Matador states discharge must be at baseline concentrations, and likely to be held to highest standard given it is a salmon river, reviewed project timeline- 2025 construction and 2027 operations, inquiries about employment, questions about baseline country food survey, control of leaks/spills, buffer from waterways- 200m from Hope Brook, concern about cyanide - destruction circuit.	
17-Nov-21	Qalipu First Nation	QFN Councillor		virtual meeting/call	Two-way communication of information - project information and QFN information and background.	Matador to continue to engage with all QFN.	
07-Jan-22	Miawpukek First Nation	Tamarack		Virtual Meeting	Preparation session for MFN meeting to deliver draft results of traditional land use study.		
14-Jan-22	Miawpukek First Nation	MFN, Tamarack team		Virtual Meeting	Delivery of draft traditional land use results.	Shared presentation of draft results with Matador and EAG team.	Final report deliverable in March 2022
14-Feb-22	Miawpukek First Nation	Tamarack		E-mail	Tamarack shared confidentiality agreement with Matador for traditional land use study.	Matador responded with edits March 13, 2022.	
09-Mar-22	Miawpukek First Nation	Tamarack		E-mail	Confirmation of timeline for traditional land use study.	Study is on target for March 2022 deliverable.	

Cape Ray Gold Project – Mi'kmaq Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
17-Mar-22	Qalipu First Nation	QFN Councillor for the Glenwood Ward of the Qalipu First Nation		Virtual Meeting/Call	Two-way communication of information - project information and QFN information and background.	Comments re exploration and mining activities concerns about space to continue land use activities/traditional practices. Hope Brook - heap leach concerns. Significant Indigenous population - any way to get them involved in the labour force would be great.	Matador continues to work directly with QFN and MFN to set up meetings with Chief and Council to foster relationship building and MOU/IBA conversations. No heap leach at Cape Ray. Continue to work with local community to differentiate between exploration and mine development and what is being permitted to build (central zone and WGH only).
22-Mar-22	Qalipu First Nation	QFN Councillor	McCallum Environmental	E-mail request to meet	Requested a meeting with QFN while in NF on April 6-8.	Received a response, but Councillor was unsure if they would be available during that timeframe. Reached out again prior to travel.	
22-Mar-22	Qalipu First Nation	QFN Band Manager and Economic Development Officer	McCallum Environmental	E-mail request for lunch	Requested a meeting with QFN in April. April 6.	Setup for April 6, 2022.	
31-Mar-22	Miawpukek First Nation	Tamarack	Matador, MFN	E-mail	Sent final signed copy of confidentiality agreement.		
31-Mar-22	Miawpukek First Nation	Matador	Tamarack	E-mail	Submission of final Knowledge and Land Use Study.		
06-Apr-22	Qalipu First Nation	QFN Band Manager and Economic Development Officer, Chief Mitchell, John (CEO dev. Corp)	McCallum Environmental, EAG, QFN, Matador	Meeting	To introduce new Project Director for Matador and new CEO to Qalipu	Introductions, discuss next steps for socioeconomic agreement, educational grants scholarships, discussion re the SEA- looking for specificity and open communication.	
06-May-22	Qalipu First Nation	QFN Band Manager	McCallum Environmental	Virtual Meeting/Call	Check in re engagement.	Consideration of Burgeo for local meeting and agree on Stephenville. Considering early June for engagement meeting prior to EIS submission.	QFN to look into options for locations for engagement with non-QFN members near the Project site.
03-May-22		QFN Councillor, McCallum Environmental	McCallum Environmental	E-mail	QFN e-mailed inquiring about gaining employment with the project.	McCallum responded stating that the project is 3-5 years from potential construction, and connected them with Matador.	
01-May-22	Miawpukek First Nation	Tamarack	McCallum Environmental	E-mail	Check in re timing for community meeting with MFN.	Election in early June will not allow community meeting to occur prior to mid-June.	Regroup once elections are complete.
03-Jun-22	Qalipu First Nation	QFN Band Manager	McCallum Environmental	Virtual Meeting/Call	Check in re engagement.	Reviewed options to get non-QFN members to meetings	QFN Band Manager to send list of honorary chiefs near the project.

Cape Ray Gold Project – Public Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
17-Sep-19	Town of Port aux Basques	open to all community members	Matador, EAG	PowerPoint presentation and posters, followed by question period	Public information meeting	General questions and concerns about: the mining process; road access; employment opportunities; tailings pond and water supply and discharge; cyanide; transportation; marsh bird survey length; hunting camps; will cabins be moved; what port will be used; remediation.	Matador agrees to: allow road access, but there will be a gate and it may occasionally be closed to traffic; post links on their website for related information; train new hires; plan for flash floods; meet all provincial and federal criteria; destroy cyanide on site; not drain ponds; have closure plan with supporting finances.
18-Sep-19	Town of Isle aux Morts	open to all community members	Matador, EAG	PowerPoint presentation and posters, followed by question period	Public information meeting	General questions about mining process (shipping ore, mill, months of operation); access to the area (hunting and cabins); employment opportunities.	Matador agrees to: remediation plan; destroy cyanide on site; allow road access with inclusion of aa gate, keep ore on site.
27-Jul-19 9-Aug-19 13-Aug-19	Deep Valley Outfitters Ltd.			In person meeting	Introductions, show Geochem program at Keats, introduce planned programs	Request to delay program accepted by Matador (August 9, 2019).	
21-Sep-19	Deep Valley Outfitters Ltd.		EAG	phone call	Opportunity for communication with regards to exploration work, etc.	Multiple meetings have taken place and offer is open for on-going meetings as required.	
23-Sep-19	Deep Valley Outfitters Ltd.	Mike Wall	EAG	E-mail	Offer to meet in person in PAB	Offer was not accepted.	
26-Sep-19	Deep Valley Outfitters Ltd.			phone call	Mike indicated concerns about Matadors operations in his hunting area	2 holes drilled in the area where Mike operates and this was done prior to hunting season with Mike's knowledge.	
5-Oct-19 12-Oct-19 20-Nov-19 26-Nov-19	Deep Valley Outfitters Ltd.	Neil and Chris	Matador	E-mail	Geochem/ caribou survey notification, caribou survey update, update on 2020 planned program requested, general feedback on intentions for 2020 program	Map provided, spoke about Keats find, Window Glass Hill and Breccia Zone programs.	Request made for map of Keats Find.
27-Nov-19	Deep Valley Outfitters Ltd.	Chris	Matador	E-mail	Potential plans for Keats Find and surrounding areas	Reminder that early communication of Matador plans are key for Deep Valley.	
29-Nov-19	Deep Valley Outfitters Ltd.		Matador	E-mail	General update and response to number of issues raised		
3-Apr-20 28-May-20 4-Jun-20 5-Jun-20 11-Jun-20	Deep Valley Outfitters Ltd.	Mike Wall	Matador	E-mail (one phone call on 4-Jun-20)	General update on Matador intentions for 2020 programs, caribou survey notification, general update, proposal for use of lodge and/or equipment (5-Jun-20), caribou survey update		
29-Jun-20	Deep Valley Outfitters Ltd.	Mike Wall	Matador	E-mail	Closure of bridge at IAM		
27-May-20 2-Jul-20 10-Jul-20 28-Jul-20	1) Ryan's Outfitters; 2) Crabbes River Outfitters; 3) West Woods Outfitters; 4) Deep Valley Outfitters Ltd	Dan Ryan, Angus/Everett Kettle, Steward Butland, Dave Spencer, Mike Wall	Matador	E-mail	Notification of intent in 2020 and updates regarding exploration		
31-Jul-20	Deep Valley Outfitters Ltd.	Mike Wall	Matador	E-mail	Drill collar found	Request for information made.	
1-Aug-20	Deep Valley Outfitters Ltd.	Mike Wall	Matador	E-mail	Comms issues and shooting moose		
17-Aug-20	Town of Port aux Basques	Mayor John Spencer, Deputy Mayor Todd Strickland, Councillors: Melvin Keeping, Jim Lane; town manager Leon Maclsaac; Economic development officer Shauna Strickland; Mick Wilkes, Joan Chiasson, Tony Chiasson	Matador, EAG	PowerPoint presentation by Zoom followed by questions	Meeting with Mayor and Town Council	Assistance was offered. Asked about: stakeholder concerns to date; expected start date; where workers will be housed; goods transportation; port of use; access to haul road. Offered to provide a list of all services and facilities available.	Matador agrees to: submit a report by August 2021 detailing data collected to date; have a drive-in and drive-out operation, but may consider a winter camp; use local products as much as possible; most likely use Port aux Basques as main port; not block access to the road and is looking to resolve any issues with locals and outfitters. However, there will be a sign in sheet for the road and Dept. of Natural Resources has asked the bridge at Window Glass Hill be blocked.

Cape Ray Gold Project – Public Engagement Log							
Date	Organization	Person/People	Provided By	Engagement Type	Reason for Engagement	Outcome	Action Items
18-Aug-20	Deep Valley Outfitters Ltd.	Mike Wall and Joanne Spencer	Matador	Video call		Access by locals across Isle aux Morts bridge during hunting season.	Matador agrees to put chain across bridge to restrict access during hunting season (after September 12).
19-Aug-20	Town of Isle aux Morts	• Mayor Nelson Lillington • Deputy Mayor Tonya Harvey • Councillors Tom Herritt, Damon Organ and Lydia Francis (Town Clerk)	Matador, EAG	PowerPoint presentation by Zoom (or in-person at Town Hall?) followed by questions	Meeting with Mayor and Town Council	Questions about: state of the environment post closure, hiring process. Proposed jobs be posted at the town office.	Matador agrees to: implement plans to return the site as close to pre-mine conditions as possible; looking to hire local skilled labour; probably be creating a training facility to upscale local workers.
20-Aug-20	Deep Valley Outfitters Ltd.	Mike Wall	Matador	E-mail	Specific exploration update in the Deep Valley Outfitters operation area		
20-Aug-20	1) Ryan's Outfitters; 2) Crabbes River Outfitters; 3) West Woods Outfitters; 4) Deep Valley Outfitters Ltd		Matador	Zoom	Update on bridge and access, exploration update (including new permit)	Agreed on bridge closure and exploration work in the buffer zone.	
21-Aug-20	Isle aux Morts ATV Club	Members of ATV Club and cabin owners along access road	Matador, EAG	PowerPoint presentation followed by questions and open discussion. Issue: Gate installation on bridge		Questions about: public access to water sampling results; Hope Brook cyanide spill; road access; access to the bridge at Window Glass Hill and related concerns about emergency departure routes; access to the temporary bridge; developing a new bridge for ATV access.	Matador agrees to: summarize and make water sampling results publicly available; destroy cyanide on site; gate the road 500m before the production area to prevent access; upgrade and maintain access road; not permit public access to points used by the mining facility; not restrict road access. Also, explained the bridge decision and restrictions; suggested providing an access trail for public access.
23-Aug-20	Deep Valley Outfitters Ltd.	Mike Wall	Matador	phone call	Bridge issue	Naming proponent for bridge closure.	
21-Aug-20 29-Aug-20 11-Sep-20 12-Sep-20 23-Sep-20 21-Nov-20	1) Ryan's Outfitters; 2) Crabbes River Outfitters; 3) West Woods Outfitters; 4) Deep Valley Outfitters Ltd	Dan Ryan, Angus/Everett Kettle, Steward Butland, Dave Spencer, Mike Wall	Matador	E-mail	Updates on activities at IAM, i.e., exploration, and hunting); updates on activities at Benton; notification of end of field program		
3-Sep-20	Deep Valley Outfitters Ltd.		Matador	E-mail	Offer of helicopter	Following up on phone call from August 21, 2020.	
21-Nov-20 24-Nov-20	Deep Valley Outfitters Ltd.		Matador	E-mail	Notification of bridge closure		
24-Nov-20	Deep Valley Outfitters Ltd.			E-mail	Response from Deep Valley Outfitters re bridge closure		
3-Dec-20	Ryan's Outfitters		Matador	E-mail	Discussion for IAM trail phone call setup		
8-Apr-21	1) Ryan's Outfitters; 2) Crabbes River Outfitters; 3) West Woods Outfitters; 4) Deep Valley Outfitters Ltd	Dan Ryan, Angus/Everett Kettle, Steward Butland, Dave Spencer, Mike Wall	Matador	E-mail	Notification of exploration activities for 2021		
9-Apr-21	Town of PAB	Julia Ingram	Matador	E-mail	Mobilization of equipment to site	Posted on community notice board.	
9-Apr-21	Town of IAM	Lydia Francis	Matador	E-mail	Mobilization of equipment to site	Posted on community notice board.	
15-Apr-21	Deep Valley Outfitters Ltd.		Matador	E-mail	Request for meeting sent to Mike to discuss 2021 activities		
23-Apr-21	Deep Valley Outfitters Ltd.		Matador	E-mail	Activity map for Big Pond 2021 activities provided		

Cape Ray Gold Project – Public Engagement Log							
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09-Aug-21	Deep Valley Outfitters Ltd.		Matador	phone call	Update on Big Pond activities and helicopter use vs. track use	Agreed on bridge closure, helicopter flying times and hunting times.	
21-Aug-21	1) Ryan's Outfitters; 2) Crabbes River Outfitters; 3) West Woods Outfitters; 4) Deep Valley Outfitters Ltd	Dan Ryan, Angus/Everett Kettle, Steward Butland, Dave Spencer, Mike Wall	John	E-mail?	Seeking additional information from outfitters about: main commercial business; timing of land use activities within 5 km; locations used; how often are they within 5km, land use activities within 20km, access road use, main concerns.	Provided details on their outfitting operations in the area and concerns including: trails developed as a result of mining activities may: increase local access to hunting area; disturb/change moose behaviour and habitat; degradation of the 'remote moose hunting experience' for guests; infringement on their livelihood.	
03-Nov-21	Isle aux Morts	Public community meeting		presentation followed by poster board Q and A	To support EIS submission, and general engagement relating to Project activities including exploration	Approximately 20 people in attendance.	committed to meeting with ASF (virtual) in the new year, and committed to individual meeting with cabin owners in the new year.
04-Nov-21	Port aux Basques	Public community meeting		presentation followed by poster board Q and A	to support EIS submission, and General engagement relating to Project activities including exploration	Approximately 12 people in attendance inquiries about how the Town can prepare for the project - how can their entrepreneurs build the right business for this project?	Matador to prepare a fact sheet with required employment opportunities for the town to circulate.
26-Nov-21	Atlantic Salmon Federation		EAG	Telephone discussion - project information and information exchange	Follow up conversation from Public Open House	Two-way communication relating to ASF concerns with project and Project information sharing. Discharge location not confirmed and discharge approach (MDMER vs CCME/background) still under study by team.	committed to monthly or bi-monthly meetings with ASF and also contacting the Salmon Council of NF and L.
18-Feb-22	Deep Valley Outfitters;		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
18-Feb-22	West Woods Outfitters		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
18-Feb-22	Crabbes River Outfitters		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
18-Feb-22	Newfoundland and Labrador Outfitters Association		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
18-Feb-22	Ryan's Outfitters		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
18-Feb-22	Delta Waterfowl Association		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
18-Feb-22	ATV Club		EAG	E-mail	EAG e-mailed to provide project context and offer an opportunity for us to meet with them		
23-Feb-22	Ryan's Outfitters		McCallum Environmental	E-mail	Inquire about DVO's availability to meet virtually/via phone in March		
23-Feb-22	Newfoundland and Labrador Outfitters Association		McCallum Environmental	E-mail	Inquired about NLOA's availability to meet virtually in March		
23-Feb-22	Deep Valley Outfitters		McCallum Environmental	E-mail	Inquired about DVO's availability to meet virtually/via phone in March		

Cape Ray Gold Project – Public Engagement Log							
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28-Feb-22	Deep Valley Outfitters		EAG, McCallum Environmental	discussion	Discussion of project and potential impacts from projects on his business	Background info on outfitter businesses was provided. Questions about project and public access, bypass trail, access to surrounding cabins and bridge construction; concerns: noise from the mine, increased access to area where he hunts with his clients, helicopter usage for exploration, renting the lodge, exploration.	Q & A resulting in follow up exchange of information.
09-Mar-22	Newfoundland and Labrador Outfitters Association	NLOA, EAG, McCallum Environmental		Virtual meeting	Met for engagement meeting, to hear about the Outfitters in the area, provide a project update and understand Outfitter land uses in the proposed project area	NLOA shared about the outfitters in area, said he would be happy to help share info with outfitters, shared about the Marathon Gold MOU and Outfitters Environmental Effects Monitoring Plan, also shared contact details to connect with Mountain Top Cabins/outfitters for engagement.	Q & A resulting in follow up exchange of information.
11-Mar-22	Mountain Top Cabins Ltd (Outfitters)		McCallum Environmental	E-mail	E-mail to Mountain Tops Ltd to request a meeting for engagement and understanding how they are using the landscape for the EA	Meeting setup for March 22, 2022.	
16-Mar-22	Mountain Top Cabins Ltd (Outfitters)	Mountain Tops Cabins Ltd, EAG, McCallum Environmental	EAG, McCallum Environmental	phone call	Shared description of project, EA and potential impacts from project on their outfitting business	Mountain Top cabins runs for 6-week season Mid Sept to Oct 21 for hunting moose and sometimes caribou, it is located 15km North of the proposed project site and little impact should occur; they recently participated in engagement for the Marathon Gold project and said if there was anything they could do to help to let her know. They indicated full support of the project.	Q & A resulting in follow up exchange of information.
16-Mar-22	Ryan's Outfitters	Ryan's Outfitters, McCallum Environmental, EAG	EAG, McCallum	Telephone	Share description of project, EA and potential impacts from project on their outfitting business	They shared about their business, inquired about the bypass road, stated their concern about increased access potentially negatively impacting their business.	
28-Mar-22	Mountain Top Cabins Ltd (Outfitters)	McCallum, Mountain Tops	McCallum	Telephone	Follow up from initial meeting, to provide an opportunity for in person engagement and ask questions to Matador representative	Mountain Tops said they would like to meet with us if available, and if not this time then in the future.	
28-Mar-22	Deep Valley Outfitters	McCallum, Deep Valley Outfitters	McCallum Environmental	Telephone	Follow up from initial meeting, to provide an opportunity for in person engagement and ask questions to Matador representative	Owner is away in BC until July 2022 and would like to meet with the team virtually in the morning (as it would work best with his schedule and the time difference).	
28-Mar-22	Ryan's Outfitters	McCallum Environmental	McCallum Environmental	Telephone	Follow up from initial meeting, to provide an opportunity for in person engagement and ask questions to Matador representative	Left a voice mail to setup a time to meet in person next week when the team is there.	
29-Mar-22	Mountain Top Cabins Ltd (Outfitters)		McCallum Environmental	E-mail	Follow up from previous meeting, to provide an opportunity for in person engagement and ask questions to Matador representative		
30-Mar-22	Deep Valley Outfitters		McCallum Environmental	E-mail	Follow up from previous meeting, to provide an opportunity for in person engagement and ask questions to Matador representative		
30-Mar-22	Ryan's Outfitters		McCallum Environmental	E-mail	Follow up from previous meeting, to provide an opportunity for in person engagement and ask questions to Matador representative		

Cape Ray Gold Project – Public Engagement Log							
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31-Mar-22	Deep Valley Outfitters		McCallum Environmental	E-mail	E-mailed meeting invitation to meet on Thursday April 7 in St Andrews		
07-Apr-22	Ryan's Outfitters	McCallum Environmental, EAG, Matador	Matador	In person	To discuss potential impacts and any concerns	Shared map – he wanted a copy of the map; our buffer activity does not overlay with them; inquired about the safety buffer zone – EAG to follow up; inquired about how many people will be working there – number of people is a concern – will displace animals and change hunting patterns/ more towards us.	Wants a copy of the map; EAG to follow up re the safety buffer zone.
07-Apr-22	Deep Valley Outfitters	DVO, McCallum Environmental, EAG	Matador	In person	To discuss potential impacts and any concerns	Project plan shared; eastern brook is their eastern boundary for where he hunts, drains from Big Pond just west of project site; will the site be fenced; project doesn't impact his business its about access; inquired about the bridge and plans for future bridge; discussed trails; public comment window after EIS submission - may there will be a public meeting; clean up big pond rehabilitate.	Offered to meet with outfitters in May.