

## Whale Cove Area, Exploration Projects

<b>Application Type:</b>	New
<b>Project Type:</b>	Mineral Exploration
<b>Application Date:</b>	6/1/2018 9:31:04 AM
<b>Period of operation:</b>	from 0001-01-01 to 0001-01-01
<b>Proposed Authorization:</b>	from 0001-01-01 to 0001-01-01
<b>Project Proponent:</b>	Agnico-Eagle Ltd., David Frenette Agnico Eagle Mines Ltd., David Frenette P.O. Box 87, chemin de la mine Goldex Val-d'Or Qc J0Y1Z0 Canada Phone Number:: 819-874-5980, Fax Number::

## Non-technical project proposal description

English: Non technical summary Whale Cove Area, Exploration Projects Agnico Eagle Mines Limited (Agnico Eagle) possesses mineral properties located on Crown and Inuit Owned Land in the area located between 20km to 70km of the Whale Cove community. The exploration activities planned on these properties include drilling, prospection and geophysical surveys. Winter accesses from the Meliadine Mine site and from the Whale Cove community up to some of the exploration areas were screened by NIRB in decision 17EA068. This decision concerned the Huckleberry exploration project. The present application has been prepared to obtain the authorizations for exploration activities in additional areas and also include the installation of an exploration camp in one of these areas. The winter accesses already screened will allow Agnico Eagle to transport material and equipment from the Meliadine Mine and from the Whale Cove community to the exploration sites during the winter, thus reducing the use of helicopters during the exploration season. At this time, a limited quantity of material and equipment is planned to be transported, since these exploration projects are at an initial stage. Winter accesses will be used by tracked tractors (Challenger), passing directly on the ice and snow ensuring soil protection. Snowmobiles could also use these accesses.

French: Description des projets d'exploration, dans le secteur de Whale Cove. Les Mines Agnico Eagle Ltée possèdent des propriétés minérales localisées sur des terres fédérales ainsi que sur des terres Inuit situées entre 20 et 70 km de la communauté de Whale Cove. Les activités d'exploration prévues sur ses propriétés incluent du forage, de la prospection et de la géophysique. Des accès d'hiver entre la mine Meliadine et les secteurs d'exploration et entre Whale Cove et les secteurs d'exploration ont déjà été vérifiés par le NIRB dans le cadre de la décision 17EA068. Cette décision concernait le projet d'exploration Huckleberry. La présente application a été préparée dans le but d'obtenir les autorisations requises pour effectuer des travaux d'exploration sur ces nouvelles propriétés minérales. De plus, un camp d'exploration serait aussi installé sur une de ces nouvelles propriétés. L'accès d'hiver déjà vérifié par le NIRB permettra à Agnico Eagle de transporter du matériel et de l'équipement entre la mine Meliadine et les projets d'exploration ainsi qu'entre la communauté de Whale Cove et ces mêmes projets. Cela réduira les besoins de transport en hélicoptère durant la saison d'exploration. Pour l'instant, un volume limité de matériel et d'équipement est prévu être transporté et ce, puisque ces projets sont à un stade d'exploration initial. Les accès d'hiver seront utilisés par les tracteurs à chenilles de type Challenger qui passeront directement sur la neige et la glace, ce qui assurera une protection du sol. Des motoneiges pourraient utiliser ces accès.

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Personnel on site: 20

Days on site: 60

Total Person days: 1200

Operations Phase: from 2018-08-01 to 2025-08-01

## Activities

### Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
New exploration areas	Mineral Exploration	Inuit Owned Surface Lands	New mineral exploration properties.	Area was visited by archaeologist during the summer 2017. Report will be submitted to the Government of Nunavut and protection buffer will be established for any archaeological sites found. Additional field study will be conducted.	Whale Cove is the nearest community. The properties are located in the caribou protection area (KRLUP).
New exploration areas	Mineral Exploration	Crown	New mineral exploration properties.	Area was visited by archaeologist during the summer 2017. Report will be submitted to the Government of Nunavut and protection buffer will be established for any archaeological sites found. Additional field study will be conducted.	Whale Cove is the nearest community.
Camp proposed	Camp	Crown	New mineral exploration properties.	Area was visited by archaeologist during the summer 2017. Report will be submitted to the Government of Nunavut and protection buffer will be established for any archaeological sites found. Additional field study will be conducted.	Whale Cove is the nearest community.

### Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Whale Cove	Ian Copland	Hamlet of Whale Cove/ Discussion about the Huckleberry project was conducted, meetings concerning the new mineral properties will be planned soon.	2017-10-11
Arviat	Bob Leonard	Hamlet of Arviat / Discussion about the Huckleberry project was conducted, meetings concerning the new mineral properties will be planned soon.	2018-02-15
Whale Cove	Simon Sr. Enuapik	Issatik HTO/ Discussion about the Huckleberry project was conducted, meetings concerning the new mineral properties will be planned soon.	2018-02-09
Whale Cove	Ian Copland	Hamlet of Whale Cove / Discussion about the Huckleberry project was conducted, meetings concerning the new mineral properties will be planned soon.	2018-02-13

## Authorizations

Indicate the areas in which the project is located

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Indigenous and Northern Affairs Canada	Land use permit for exploration activities and camp	Not Yet Applied		
Kivalliq Inuit Association	Land use licence for exploration activities	Not Yet Applied		
Nunavut Water Board	Water licence for exploration activities and camp	Not Yet Applied		

## Project transportation types

Transportation Type	Quantity	Proposed Use	Length of Use
Air	0	Helicopter and otter	
Land	0	Dozer to move drill during winter season, tracked tractors to transport material and equipment during winter season, snowmobiles, atv.	

## Project accomodation types

Temporary Camp

## Material Use

### Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Diamond drill	1	21500kg	Rock drilling
Plane Otter	1	2500kg	To transport material, equipment and workers
Mini excavator	1	1100kg	To obtain soil samples, to do small excavations around camp site
Dozer D6	1	21500kg	Move diamond drill during winter period
Rab drill	1	1500kg	To obtain rock samples
Helicopter	2	1500kg	To transport material, equipment and workers
Snowmobile	4	550kg	Work around camp site, transport workers
ATV	4	550kg	To work around camp site
Tracked tractors	3	20000kg	To transport material and equipment on authorized winter access.
Zoom boom	1	TBD	Material/equipment handling.

### Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	200	205	41000	Liters	Drilling, heating, electricity, equipment
Gasoline	fuel	20	205	4100	Liters	For small motors, ATV, snowmobiles
Diesel	fuel	4	600	2400	Liters	Drilling
Aviation fuel	fuel	200	205	41000	Liters	For helicopters and plane Otter
Grease	hazardous	50	25	1250	Liters	Equipment maintenance
Oil	hazardous	100	25	2500	Liters	Equipment maintenance
Diesel	fuel	4	6000	24000	Liters	Drilling
Glycol	hazardous	5	1000	5000	Liters	Equipment maintenance

### Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
299	By pumping	From proximal lakes, ponds and rivers

## Waste

### Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Camp	Combustible wastes	7 tons/year	Incineration or transport	NA
Camp	Greywater	5m <sup>3</sup> /day	Disposed of in a natural depression located at	NA

			least at 31 meters from any water body	
Mineral Exploration	Hazardous waste	5 tons/years	Transport in southern facility	Recycling or safe disposal
Camp	Non-Combustible wastes	5 tons/year	Transport in southern facility	Recycling or safe disposal
Camp	Sewage (human waste)	2 tons/year	Incineration or storage and transport south for disposal	NA

#### **Environmental Impacts:**

Potential impacts on caribou will be limited by applying mitigation measures described in the Wildlife Protection and Response Plan and by the application of the authorizations conditions. Potential impacts on archaeological sites will be limited by an archaeologist field assessment and the respect of protection buffers during the activities. Potential impact related to hydrocarbon spills will be limited with the application of the Spill Contingency and Response Plan and the use of secondary containments. Potential impact on the water will be limited with the application of future water licence conditions and internal procedures..

## **Additional Information**

### **SECTION A1: Project Info**

### **SECTION A2: Allweather Road**

### **SECTION A3: Winter Road**

### **SECTION B1: Project Info**

### **SECTION B2: Exploration Activity**

### **SECTION B3: Geosciences**

### **SECTION B4: Drilling**

### **SECTION B5: Stripping**

### **SECTION B6: Underground Activity**

### **SECTION B7: Waste Rock**

### **SECTION B8: Stockpiles**

### **SECTION B9: Mine Development**

### **SECTION B10: Geology**

### **SECTION B11: Mine**

### **SECTION B12: Mill**

### **SECTION C1: Pits**

### **SECTION D1: Facility**

### **SECTION D2: Facility Construction**

### **SECTION D3: Facility Operation**

### **SECTION D4: Vessel Use**

### **SECTION E1: Offshore Survey**

### **SECTION E2: Nearshore Survey**

### **SECTION E3: Vessel Use**

### **SECTION F1: Site Cleanup**

## **SECTION G1: Well Authorization**

## **SECTION G2: Onland Exploration**

## **SECTION G3: Offshore Exploration**

## **SECTION G4: Rig**

## **SECTION H1: Vessel Use**

## **SECTION H2: Disposal At Sea**

## **SECTION I1: Municipal Development**

### **Description of Existing Environment: Physical Environment**

The mineral properties are located both, on IOL and Crown Land. The areas are located in vicinity of the Hudson Bay and include many water bodies .

### **Description of Existing Environment: Biological Environment**

Complete assessment would be done should a future development (example mining) is planned.

### **Description of Existing Environment: Socio-economic Environment**

The mineral properties are located in the area located between 20km to 70km of the Whale Cove community.

### **Miscellaneous Project Information**

### **Identification of Impacts and Proposed Mitigation Measures**

Potential impacts on caribou will be reduced by applying mitigation measures described in the Wildlife Protection and Response Plan and by the application of the authorizations conditions. Potential impacts on archaeological sites will be limited by an archaeologist field assessment and the respect of protection buffers during the activities. Potential impact related to hydrocarbon spills will be limited with the application of the Spill Contingency and Response Plan and the use of secondary containments. Potential impact on the water will be limited with the application of future water licence conditions and internal procedures..

### **Cumulative Effects**

The proposed activities are planned to be low scale at this time. Future development (example mining) would have to be assessed in an Environmental Impact Statement (EIS).



## Impacts

## Identification of Environmental Impacts

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(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)