

## **Appendix 6**

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### **Whale Tail KVCA15Q02 2020 Work Plan**

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**AGNICO EAGLE**

WHALE TAIL PIT PROJECT

**2020 Work Plan**

QUARRY PERMIT KVCA15Q02

**Agnico Eagle Mines Limited**

December 2019

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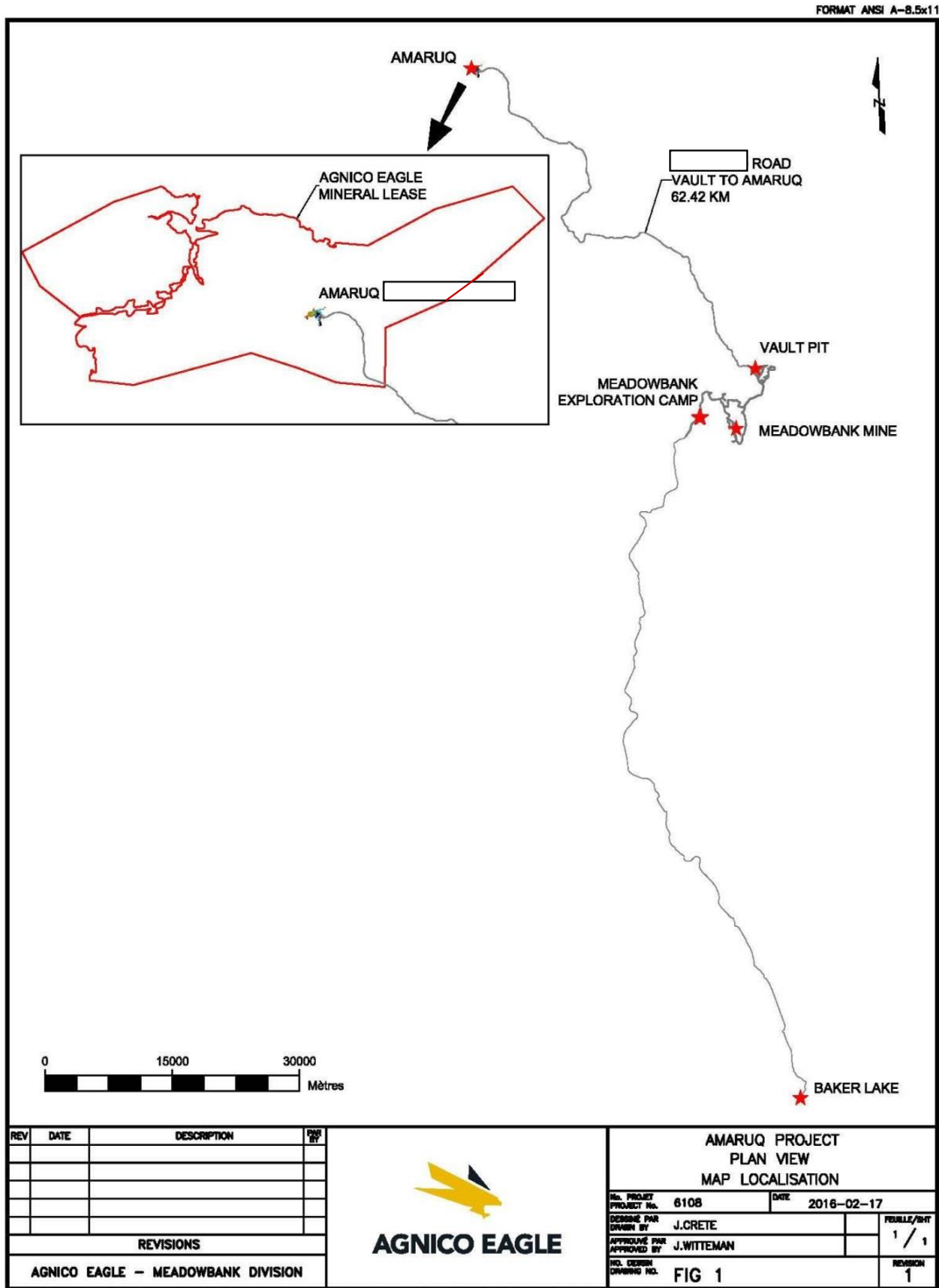
## **SECTION 1 • INTRODUCTION**

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Agnico Eagle Mines Limited – Meadowbank Division (Agnico Eagle) is developing the Whale Tail Pit and Haul Road Project, a satellite deposit located on the Amaruq property, to continue mine operations and milling at Meadowbank Mine. The Amaruq property is a 408 km<sup>2</sup> site located on Inuit Owned Land approximately 150 km north of the hamlet of Baker Lake and approximately 50 km northwest of Meadowbank Mine in the Kivalliq Region of Nunavut. The deposit will be mined as an open pit (i.e. Whale Tail Pit), and ore will be hauled to the approved infrastructure at the Meadowbank Mine for milling.

The 2020 Work Plan covers the proposed activities for the KVCA15Q02 - Eskers 5 and 6 of the Whale Tail Project. See Figure 1 below for general location of the Whale Tail.

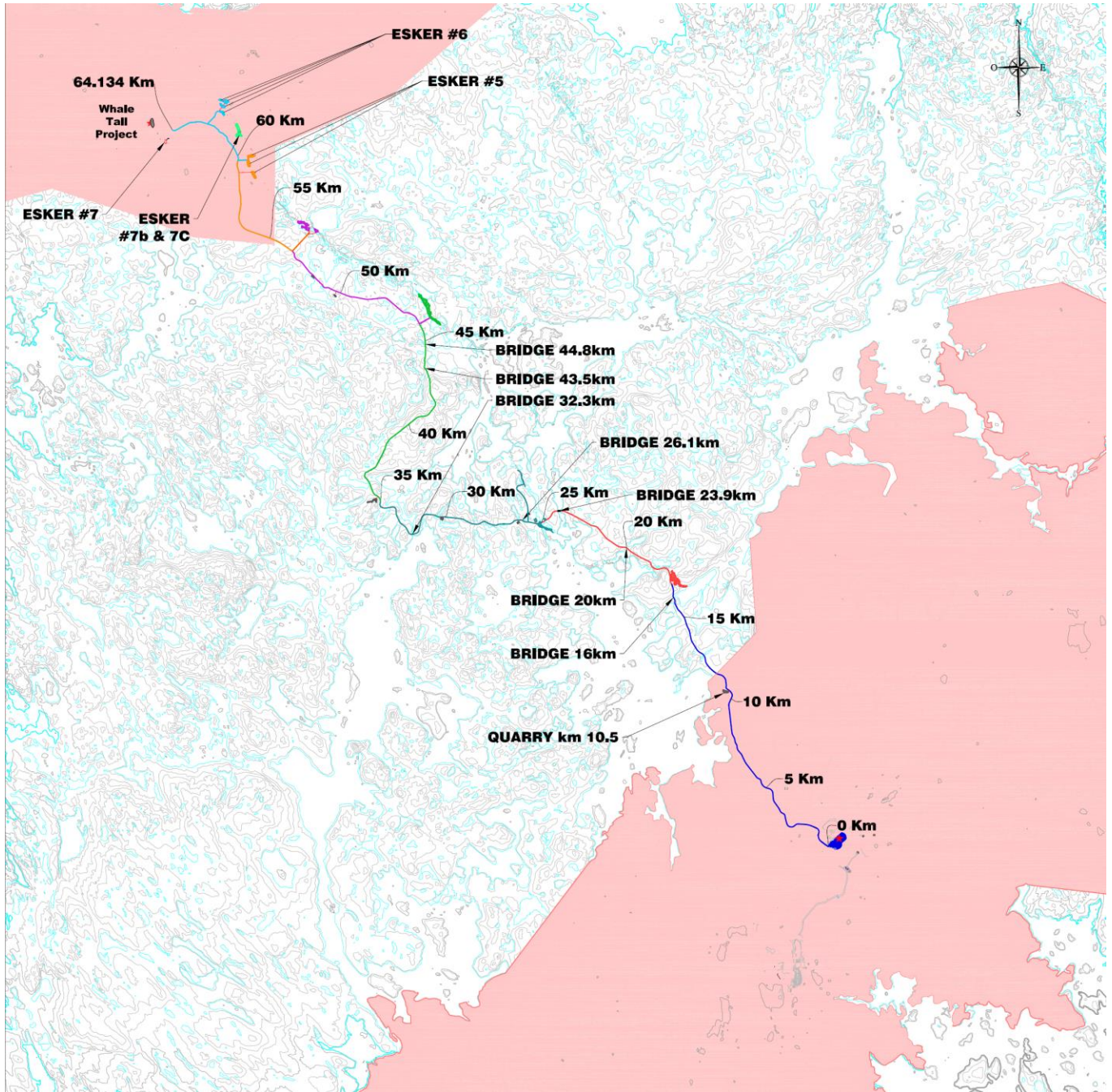
FIGURE 1 - General location of the Whale Tail Project



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FIGURE 2 – Eskers/Quarries Location



## SECTION 2 • PERMITTING SUMMARY

The Whale Tail Pit and Haul Road is located under both Inuit Owned Land (IOL) administered by the Kivalliq Inuit Association (KIA) and Crown Land administered by Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC).

Agnico Eagle has received required permits and approvals from the Nunavut Planning Commission (NPC), Nunavut Impact Review Board (NIRB), Nunavut Water Board (NWB), KIA, Fisheries and Oceans Canada (DFO), CIRNAC, and the Government of Nunavut (GN) to proceed with Whale Tail Pit and Haul Road construction and operation. Permits and approvals received are summarized in Table 1.

**Table 1: Permits and approvals received**

<b>Licence Number</b>	<b>Issued By</b>	<b>Details</b>	<b>Work authorized</b>	<b>Status</b>
66H/8-02-1	CIRNAC	Land Use Lease	Road on Crown Land	Active
66H/8-01-4	CIRNAC	Quarry Permit	Quarry on Crown Land	Active
11-HCAA-CA7-00006	DFO	Letter of Advice	Road construction	Active
WL-2019-025	GN-ENV	Wildlife Research Permit	Ground survey of birds, nest, raptors, other animals, and wildlife signs + Breeding Bird nest monitoring along the Road.	Active
IIBA	KIA	Inuit Impact Benefit Agreement	Inuit Impact Benefit Agreement	Active
KVRW15F01	KIA	Right of Way Lease	Construction, widening and operation of the road on IOL	Active
KVPL17D01	KIA	Production Lease	Activities performed around mine site	Active
Water Compensation Agreement	KIA	Whale Tail Water Compensation Agreement	Water usage	Active

KVCA15Q02	KIA	Quarry Permit (Eskers 5-6)	Borrow Pits on IOL	Active
KVCA15Q01	KIA	Quarry Permit (Esker 7, 7B, 7C)	Borrow Pits on IOL	Active
KVCA18Q01	KIA	Quarry Permit (Km 10.5)	Borrow Pits on IOL	Active
Project Certificate 008	NIRB	Whale Tail Pit Project	Whale Tail Site and Haul Road Construction and Operation	Active
2AM-WTP1826	NWB	Water License	Whale Tail Site and Haul Road Construction and Operation	Active



### **SECTION 3 • 2020 PLANNED CONSTRUCTION ACTIVITIES**

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Due to the completion of the Whale Tail Haul Road and other roads and infrastructure at the Whale Tail site, Agnico Eagle is not currently planning to remove esker and quarry material for site construction in 2020. Should this planning change, Agnico Eagle will ensure that the material to be removed stay in the allowable volume prescribe in the authorized permit and will pay the fees accordingly.

In general, material to be extracted from eskers and quarries, along the Whale Tail Haul Road, in 2020, may be used for the following activities:

- General road maintenance of the Whale Tail Haul Road;
- Construction of various infrastructure pads at the Whale Tail site;
- General road maintenance and enlargement of haulage roads at the Whale Tail site.

Wherever possible, priority will be given to the use of non-potential acid generating waste material from the Whale Tail pit for the above mentioned activities in order to minimize the disturbance of eskers. Agnico fully anticipate being able to support site construction from pit-sources material in 2020.

In addition, Agnico Eagle has been storing bulk explosives at an approved storage site at Esker 5 along the Whale Tail Haul Road. Because of explosive regulation, bulk storage need to be store at a certain distance from the operation. For this reason, Esker 5 has a designed storage capacity of 600,000kgs of ANFO explosives. The seacans are transported directly to Whale Tail, when needed, where they will be stored temporarily until placed in a secure magazine for use. A leveled pad was built with NAG material before receiving any seacans. Any water ponding, if any, will be sample for water quality control as per the Whale Tail Haul Road Management Plan.

## **SECTION 4 • 2020 PLANNED ENVIRONMENTAL MONITORING**

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### **4.1 WILDLIFE MONITORING**

#### **4.1.1 Wildlife Management in Quarry Pit**

The Nunavut Wildlife Act and Regulations will apply as raptors nesting close or in the quarry may be disturbed, or raptors may nest in the quarries upon the completion of their use. The Agnico Eagle Environmental Department will complete inspections in quarry pit on a weekly basis to make sure there is no raptor nest during operation and before any work is conducted. If a nest is discovered, all work will be suspended.

If Agnico Eagle suspect or confirm that a den is present within the active footprint and vicinity of Project facilities, a den management plan will be prepared and applied,

Land animals may also be disturbed by the quarrying activities. Blasting will require the use of explosives. The activities will have to comply with the Explosive Use Act and Regulations, and the Mine Health and Safety Act and Regulations. No blast will be held if there is any wildlife near the area to be blasted.

#### **4.1.2 Caribou Satellite-Collaring Program**

Agnico Eagle is assisting the GN in a Caribou satellite-collaring program within the Meadowbank Regional Study Area (RSA). Information on the status and location of various herds that use the RSA at different times of the year is an important component of on-going monitoring and management efforts at the mine site and along the Haul Road. These collaring data will be used to assist Agnico Eagle in anticipating large herds passing near the Whale Tail Pit Haul Road and contribute to appropriate management decisions.

#### **4.1.3 Checklist Surveys and Wildlife Logs**

Noteworthy wildlife sightings are recorded in and on-site wildlife log. These data will be tabulated at the end of each year and included in the Annual Report. Meadowbank and Whale Tail Pit employees are also encouraged to record wildlife sightings on a daily basis. A monthly wildlife report is sent to the GN-DOE along with the Meadowbank wildlife reporting.

### **4.2 WATER QUALITY MONITORING**

#### **4.2.1 Water Quality and Flow Monitoring**

An undisturbed buffer of at least 31 m between borrow pits and water bodies will be preserved, and best management practices will prevent direct drainage. However, any significant seeps originating

from the borrow pits that are likely to reach receiving waters will be sampled and analyzed in accordance with the Water Quality and Flow Monitoring Plan. Any problematic water will be directed away from water bodies, or held if possible. If necessary, silt curtains will be used to control suspended sediments in water seeping from the borrow pits.

#### **4.3 MITIGATION MEASURES**

Best management practices will employ the following general mitigation measures for the quarry:

- Minimize the surface area of quarry;
- Locate quarry in well drained areas;
- Where possible, maintain the floor of the quarry slightly above the elevation of the surrounding area to promote natural drainage patterns, to avoid creating ponds, and to prevent permafrost degradation in the quarry;
- Prevent erosion and sedimentation through appropriate control measures such as silt fences;
- Carry out ARD/ML testing and water quality monitoring in support of mitigation measures;
- Protect archeological resources and mitigate as deemed appropriate by GN Culture and Heritage department;
- If deemed necessary, maintain air quality through dust control/suppression;
- Use progressive reclamation in closing parts of the quarry that are no longer needed.

Where mitigation measures are not proving effective, adaptive management will be employed to address shortcomings.

#### **4.4 ARCHEOLOGY**

Agnico Eagle has carried out an archaeological assessment of the area and no concerns were raised.

It is Agnico Eagle's intent to avoid archaeological resources in constructing the infrastructures wherever possible; this is the preferred mitigation measure. The goal is to protect archaeological sites. However, if any identified site cannot realistically be avoided, Agnico Eagle will apply for a permit from the Department of Culture and Heritage to mitigate the site(s). If any potential archaeological site is identified during the operation, work will stop, a professional archaeologist will be consulted, and the GN, Department of Culture and Heritage will be informed of the discovery.

**SECTION 5 • APPLICATION OF INUIT IMPACT AND BENEFIT  
AGREEMENT**

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When carrying out the activities described in this Workplan, Agnico Eagle will comply with the relevant terms and conditions of the Whale Tail Inuit Impact and Benefit Agreement dated June 15, 2017, between Agnico Eagle and the Kivalliq Inuit Association.

## **SECTION 6 • RECLAMATION PLAN**

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Agnico Eagle will comply with the approved Whale Tail Interim Closure and Reclamation Plan.