

## **Appendix 8**

---

### **2019 Annual Report NIRB 11EN010**

---



**AMARUQ AND MEADOWBANK  
EXPLORATION PROJECTS**

**Addendum 2019 Annual Report**

**Prepared for:**  
Nunavut Impact Review Board  
**SCREENING DECISION 11EN010**

**Prepared by:**  
Agnico Eagle Mines Limited

March, 2020

### DOCUMENT CONTROL

Version	Date (YMD)	Section	Page	Comment
1	2020/03/31	All	All	

Prepared by: Exploration Division and Meadowbank Environment Department

Approved by:



Robin Allard  
Environmental General Supervisor

## **SECTION 1. ADDEMDUM ANNUAL REPORT**

---

As part of this addendum, the information provided relate the 2019 exploration activities as requested by NIRB Screening Decision #11EN010.

Agnico Eagle Mines Limited's Meadowbank Exploration camp is located near Third Portage Lake adjacent to KM 100 on the all-weather access road (AWAR) between the hamlet of Baker Lake and the Meadowbank mine site. In 2014, trailers located at the Meadowbank exploration camp were prepared for transport over the winter access to the Amaruq site. These were moved in early 2015. The remaining infrastructure at the Meadowbank Exploration Project camp remains in place and is still used to support exploration activities in the vicinity.

Agnico Eagle Mines Limited's Amaruq Exploration Project is located 50 kilometres (km) North-West of its Meadowbank Gold Mine in Nunavut. The intent of the Amaruq Exploration Project is to explore its mineral lease and claims for potential ore deposits and to develop the Whale Tail Deposit as a Meadowbank satellite pit. An exploration camp is established on the Amaruq property to undertake geological, geochemical, and/or geophysical exploration. Diamond drilling is also being used in exploring promising areas on the mineral properties. The exploration camp was in operation for whole year in 2019. The Amaruq Exploration Camp is planned to be relocated in 2020.

### **Annual report**

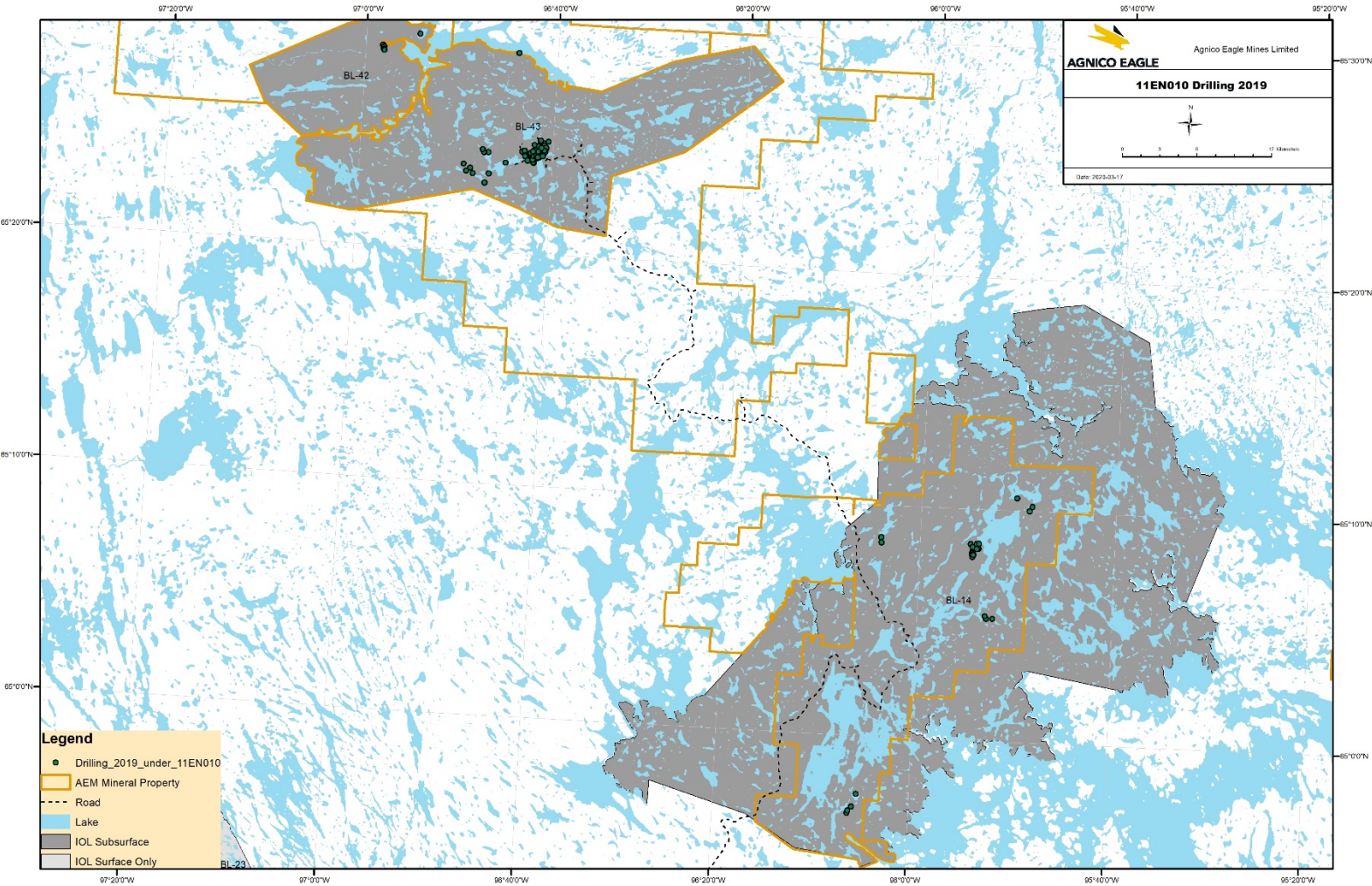
**1. The Proponent shall include within its annual report for the Meadowbank Gold Project (NIRB File No. 03MN107), a comprehensive annual report of the activities undertaken as authorized by the Board for File No. 11EN010 to date. The annual report must contain at least the following information:**

**a. A summary of activities undertaken for the year, including:**

**i. a map showing the approximate location of drill sites;**

In 2019, 230 holes were drilled by Agnico Eagle Mines at the Amaruq project and 29 holes were drilled in the Meadowbank area (see Figure 1-1). All drilling areas were managed in such a manner as to reduce our environmental footprint to a minimum. At a drill site, the drill and the equipment are placed in a restrained area and will normally use less than 0.01 hectare. As a comparison, one (1) hectare per drilling site is paid to the Kivalliq Inuit Association (KIA) for each piece of land used around a drill site outside the commercial lease and located on Inuit Owned Land. Cuttings generated by drilling are disposed of at a distance of at least 31 meters from a water body where a direct flow to the water is not possible. When drilling on ice, the cuttings generated are also disposed of at a distance of at least 31 meters from a water body using pumps and sludge lines or using settling tanks and transport. Once drilling is completed, the casing is then removed or cut off at ground level.

Figure 1-1: 2019 Drilling Program Locations



**ii. a map showing the location of the fuel cache;**

In 2019, Agnico Eagle Mines Limited's Exploration division has only one fuel storage locations related to the NIRB decision #11EN010. The fuel cache was located at the Meadowbank exploration camp and consist of 4 tanks with a total capacity of 130,500 liters and drum stored in 3 seacans for diesel and jet fuel. For the Amaruq exploration camp, fuel and jet-a were supplied by the mine operations.

**iii. site photos;**



Whale Tail Project, September 2018

**b. A work plan for the following year, including any progressive reclamation work undertaken;**

**Amaruq**

- Amaruq Exploration Camp is planned to be relocated from its present location to a site located approximately 2.7km mostly east, outside the Production Lease
- Exploration camp capacity would be for 75 workers
- Exploration drilling to run all year long
- Use and maintenance of such equipment, buildings, plant and other infrastructure as is necessary to support exploration activities to be undertaken by the Tenant on the Property

**Meadowbank**

- Most of the Meadowbank exploration camp was transported to Amaruq in 2015. The area and remaining infrastructures are used to support exploration activities in the vicinity
- Drilling is planned from March to July with one drill in operation
- Prospecting, mapping and geophysical surveying could be conducted on the entire property during the summer period

**c. A summary of community consultations undertaken throughout the year, providing copy of materials presented to community members, a description of issues and concerns raised, discussions with community members and advice offered to the company as well as any follow-up actions that were required or taken to resolve any concerns expressed about the project proposal;**

- The areas covered by this decision are located in a relative vicinity of existing Meadowbank and Whale Tail mine sites or development projects. Many consultations concerning these main activities have been conducted with the communities and stakeholders and exploration project are discussed as needed during these consultations.
- One (1) meeting were held specifically on exploration projects associated with Meadowbank and Whale Tail:
  - Meeting with the Baker Lake HTO members was conducted in Baker Lake on June 10<sup>th</sup>, 2019. The following items were discussed:
    - 2019 Exploration activities
    - 2019 Archaeology activities
    - Opportunity to discuss before Whale Tail Expansion Technical hearings
    - Any other topics (drone, search and rescues)
    - Outcomes
      - Inform Exploration team about bear dens in White Hills area (Traditional Knowledge)

- Provide information on any other junior exploration companies that we know of to HTO
- See if archaeologist can do a visit and present findings (HTO to request to GN)
- Meet with ERT to discuss collaboration on search and rescues

**d. Summary of the consultation conducted with Government of Nunavut biologists if any and any relevant outcomes including revisions or alterations to the timing of project activities;**

- This information was included in the application submitted to the NIRB related to the construction of the road and since the new NIRB decision was received, on November 4<sup>th</sup>, 2015, no new information in regards to exploration permitting is added.

**e. Summary of follow-up consultation with Fisheries and Oceans Canada (DFO) regarding the final construction designs and documents requested by DFO and any recommendations issued by DFO. The summary should include a summary of all available best management practices.**

- Agnico Eagle received on March 14, 2016 the Letter of Advice 11-HCAA-CA7-00006 for the construction of the Amaruq Exploration Access Road (AEAR). In 2016, all works along the road were in accordance with DFO recommendation regarding the blasting and in water work. The road between Meadowbank Mine Site and Amaruq property is no more considered as an exploration road but rather as the Whale Tail Haul Road.
- The AEAR was inspected regularly during construction and especially during freshet season with a dedicated resource able to log and deploy measures, if needed, consistently during the year. This practice has remained upon shifting to the Haul road and adaptive management used, when needed, to prevent any issues.
- In July 2018, Agnico received the Fisheries authorization 16-HCAA-00370 for the construction of the Whale Tail Project.

**f. A discussion of issues related to wildlife and environmental monitoring, including the number of cease-work orders required as a result of proximity to caribou;**

- For information purpose, wildlife and environmental monitoring along the Whale Tail Haul Road can be found in the 2019 Annual Report submitted under the NIRB Project Certificate 004 and 008.



- For the Whale Tail and Meadowbank sites, Agnico will refer to the 2019 Annual Report submitted under the NIRB Project Certificate 004 and 008 for a complete review of the environmental monitoring conducted in 2019.

**g. An analysis of the effectiveness of mitigation measures for wildlife;**

- Wildlife monitoring is an essential tool in protecting and maintaining wildlife occurring near the project. A comprehensive monitoring strategy, along with quantitative monitoring indicators, has been implemented and, as required, is adapted to evaluate the accuracy of impact predictions and to meet the objectives of the management strategy set out in the TEMP. Monitoring programs evaluate the effectiveness of mitigation measures and assess mine-related impact predictions. For all wildlife monitoring programs there is a certain level of uncertainty or unpredictability; therefore, residual effects identified during monitoring may require implementation of adaptive management strategies. Adaptive management is an ongoing process that evolves throughout the life of the project as better and more effective ideas are introduced in a process that is designed to be continually improving. Ongoing review of the TEMP, quarterly meeting with the TAG and annual Wildlife Monitoring Summary Reports (which provide results of TEMP monitoring programs) by regulatory agencies, technical reviewers, and stakeholders will further ensure that local and regional concerns have been adequately addressed.
- Environmental staff monitor wildlife near mine facilities (i.e., Meadowbank Mine and Whale Tail Pit) and along the AWAR, Vault Haul Road, and Whale Tail Haul Road on a regular basis. Where unacceptable risks to wildlife are observed, mitigation measures are implemented to avert animals from site activities in accordance with the TEMP. Detailed reporting protocols (e.g., a dangerous animal occurrence, monthly wildlife reports submitted to the GN, road closure notification to GN, KIA, HTO, etc.) are established and implemented by on-site environmental staff. During these events, Agnico Eagle representatives communicate any issues directly with the GN Department of Environment (DoE) Conservation Officer, KIA, and the local HTO.
- Agnico will refer to the 2019 Wildlife Report for a complete review of the environmental monitoring conducted in 2019. This report can be found as an appendix of the 2019 Annual Report submitted under NIRB Project Certificate 008.

**h. A brief summary of Wildlife Monitoring and Mitigation Plan (WMMP) results including the wildlife log and record of observations as well as any mitigation actions that were undertaken;**

The 2019 Wildlife log for the Meadowbank and Whale Tail Project is presented in 2019 Wildlife Report. Given the elevated number of sightings in 2019, Agnico will refer to the 2019 Wildlife report found as an appendix of the 2019 Annual Report submitted under NIRB Project Certificate 004 and 008. This information is submitted on a monthly basis to the KIA and GN.

**i. Summary of any heritage sites encountered during the project activities and any follow-up action or reporting required as a result. The summary should include a map noting the sites encountered; and,**

In 2019, an archaeological impact assessment was conducted at seven locations along the road between Baker Lake and Meadowbank Mine; six of these are quarry expansions, and one is a pad.

The seven locations are:

- Quarry 19
- Quarry 17
- Quarry 11
- Pad KM 46
- Quarry 8
- Quarry 7
- Quarry 6

No archaeological sites were identified during the assessment conducted.

Agnico Eagle has submitted to the GN Cultural and Heritage department the 2019 Archaeological Site Status Report. This report and the information contained in it are confidential and therefore were submitted directly to the GN Cultural and Heritage department. Requests for information should be made directly to the GN.

**j. A summary of how the Proponent has complied with conditions contained within this Screening Decision, and all conditions as required by other authorizations associated with the project proposal.**

- For the Amaruq exploration site, Agnico Eagle maintains all authorizations to conduct its exploration activities. These authorizations include a water licence with NWB and an exploration land use permit with KIA. Annual reports have to be submitted for each of these authorizations. Please refer to the Agnico 2019 Annual Report for a completed review of the 2019 activities under these licenses and permits
- In addition to the amendment to NWB Water Licence 2AM-WTP1826, Agnico Eagle also submitted an application to transfer Whale Tail underground development activities,

operation of the A-P5 (which will be converted into GSP-1 for the Expansion Project) and handling and storage of waste rock and ore on pads, and a few other associated activities from the NWB Water Licence 2BB-MEA1828 to the NWB Water Licence 2AM-WTP1826. As of December 31, 2019, this amendment application is still ongoing.

- Secondly, an amendment application was submitted to NWB to request a change in location of the Amaruq exploration camp. As of December 31, 2019, this amendment application is still ongoing.

***k. Summary of traffic travelling via the road between Meadowbank and Amaruq.***

- The Whale Tail haul road is now included in the NIRB Project Certificate 008. Please refer to the 2019 Annual report for a complete review of the traffic data for 2019.
- Road traffic data along the Whale Tail Haul Road for 2019 can be found in the Table 1.

**Table 1: 2018 Whale Tail Haul Road Traffic Data**

Month	Haul	Medium Equipment	Light Equipment	Total
January	632	92	140	<b>864</b>
February	762	241	735	<b>1,738</b>
March	760	115	627	<b>1,502</b>
April	148	107	232	<b>487</b>
May	522	164	565	<b>1,251</b>
June	828	187	642	<b>1,657</b>
July	686	227	353	<b>1,266</b>
August	1176	169	178	<b>1,523</b>
September	2958	287	911	<b>4,156</b>
October	1280	276	448	<b>2,004</b>
November	2928	496	863	<b>4,287</b>
December	2778	318	584	<b>3,680</b>
<b>Total</b>	<b>15,548</b>	<b>2,679</b>	<b>6,278</b>	<b>24,415</b>