# **Appendix 3**

# Whale Tail KVPL17D01 2021 Mine Plan



# WHALE TAIL PIT PROJECT

# Production Lease KVPL17D01 2021 Mine Plan

January 2021

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#### **SECTION 1 • INTRODUCTION**

Condition 5.09 of Production Lease KVPL17D01 for the Whale Tail Project states:

KIA authorizes AEM to perform the operations described in the Mine Plan attached as Schedule "B" to this Lease. Thereafter, on or before May 31<sup>st</sup> in each year of the Term, AEM shall deliver to KIA its Mine Plan for the next calendar year, including at least the following:

- (a) a description of the operations that AEM proposes to perform in that year on the Leased Land and the areas within the Leased Land that such operations are expected to occur, including a listing of proposed construction and infrastructure changes, additions and removals, and major equipment to be brought onto the Leased Land;
- (b) the waste management plan for the Project;
- (c) a description of the topographical features and any natural or manmade features, structures, works and waters that may be affected; and
- (d) a Progressive Reclamation Plan detailing the progressive reclamation and remediation activities to be undertaken during the year.

This document presents the 2021 Mine Plan to be used as Schedule B for Production Lease KVPL17D01.

## SECTION 2 • 2021 PLANNED EXPLORATION ACTIVITIES

This section addresses Condition 5.09a.

The 2021 exploration program for the Whale Tail Project area will be conducted by the Meadowbank Geology Department and the Regional Exploration Division of Agnico Eagle Mines Ltd.

- surface activities:
  - o surface geological mapping, prospection & geological studies
- exploration activities:
  - o exploration ramp development
  - o underground conversion and delineation drilling
  - o building rock muck pads and access road for drilling
  - o exploration drilling outside of the defined ore reserves & resources
  - conversion drilling along potential resources extension of Whale Tail and IVR pits and UDG resources
  - o delineation drilling for resource estimations in Whale Tail and IVR pit areas
  - o geotechnical drilling

## SECTION 3 • 2021 PLANNED CONSTRUCTION ACTIVITIES

This section addresses Condition 5.09a.

Construction activities at the Whale Tail Site are mainly completed under the current approved project. Some construction related to the expansion project will continue in 2021. There are also several secondary projects and modifications to existing infrastructure that will continue in 2021.

- the following construction activities:
  - Construction of the IVR Dike;
  - Construction of surface water management infrastructure (pump and piping) for the expansion project;
  - o Construction of the IVR WRSF water management infrastructure
  - o Possible improvement of the Whale Tail Dike seepage collection system
  - o Install new camp generator and underground generator;
  - o Complete coating on fuel tanks at Baker Lake;
  - Telecommunication infrastructures;
  - Expend the permanent camp, (wings, offices,);
  - o Dismantling the exploration camp; and
  - o Pads and on-site access roads.

#### SECTION 4 • 2021 PLANNED OPERATIONACTIVITIES

#### 4.1 MINING PLAN

This section addresses Condition 5.09a.

Mining activities will continue in 2021 at the Whale Tail Pit under the current approved project.

Below are activities that will be performed in 2021 under the current approved project.

- the following operations activities:
  - o delivery of material, fuel, and equipment:
  - o development of open pit and associated activities;
  - o rock storage on WRSF and ore stockpiling;
  - light vehicle traffic and ore transportation by long haul trucks to Meadowbank along the Whale Tail Pit haul road;
  - withdrawal and use of water from Nemo Lake for camp, mining, associated activities and domestic purposes;
  - operation of bulk fuel storage facility, maintenance shops, offices, warehouse, camp, kitchen, sewage treatment plant, wastewater treatment plant, emulsion facility, landfill, Whale Tail Attenuation Pond, and controlled discharge of treated effluent and infrastructures.

The location of above-mentioned activities can be found in Appendix A.

#### 4.2 WASTE MANAGEMENT PLANS

This section addresses Condition 5.09b. Waste management will be completed as per approved management plans. The below is a summary of Agnico Eagle's waste management plan:

- Whale Tail Pit Landfill and Waste Management Plan
  - o Organics, food waste, paper, and untreated wood will be incinerated;
  - Non-hazardous/non-salvageable/non-putrescible solid waste (ex.: wood, plastics, glass, etc.) will be landfilled;
  - Sewage will be treated in the sewage treatment plant before being directed to the Whale Tail or IVR Attenuation Pond. Sewage sludge will be disposed of in the Waste Rock Storage Facility;
  - o Used oil and waste fuels, if found acceptable, will be used in the waste oil burners.
- Hazardous Materials Management Meadowbank Mine Site, Whale Tail Pit Site, Baker Lake Facilities
  - Hazardous material will be packaged for shipment to a certified waste management company for treatment.
- Whale Tail and IVR Pit Waste Rock Management Plan

- Waste rock will be disposed of in the Whale Tail Waste Rock Storage Facility as per the approved plan.
- Water Quality and Flow Monitoring Plan
  - Effluent will be discharged as per approved Water License 2AM-WTP1826 and Metal and Diamond Mining Effluent Regulation (MDMER) criteria.
- Spill Contingency Plan
  - Lines of authority and responsibility, reporting requirements and detailed action plans as established in the Spill Contingency Plan will be followed in the event of a spill.

Please refer to the approved management plans for further details.

#### 4.3 EQUIPMENT

This section addresses Condition 5.09a.

Table 4-1 lists the major equipment's that will be used or brought at Meadowbank and Whale Tail sites in 2021. Some of this equipment will be shared between the two sites.

As per discussions during the December 2020 TAG meeting, in 2021 there will be an additional 4 haul trucks added to the equipment list below as a result of increased mill throughput and compensation for road closures due to wildlife and adverse weather.

Table 4-1 Equipment at Meadowbank and Whale Tail in 2021

Unit Manufacturer Number		Description	
CATERPILLAR 61BAC03		BACKHOE CATERPILLAR 307	
CATERPILLAR	61BAC04	BACKHOE CAT 330D (C9 ENGINE)	
CATERPILLAR	61BAC07	BACKHOE CATERPILLAR 345DL	
CATERPILLAR	61BAC09	BACKHOE 390DL	
TEREX	61BAC10	BACKHOE TEREX O&K RH120-E	
TEREX	61BAC11	BACKHOE BUCYRUS RH120-E	
CATERPILLAR	61BAC13	BACKHOE CAT 6030	
CATERPILLAR	61BAC14	BACKHOE CAT 6020B	
CATERPILLAR	61BAC15	BACKHOE CAT 6015B	
KUBOTA	61BAC16	KUBOTA MINI-SHOVEL	
CATERPILLAR	61BAC17	BACKHOE CAT 336	
CATERPILLAR	61BAC18	BACKOE CAT 6015B	
MACLEAN	61BOL01	BOLTER MACLEAN MEM-975	
MACLEAN	61BOL02	BOLTER MACLEAN MEM-975	
MACLEAN	61BOL03	BOLTER MACLEAN MEM-975	
HYSTER	61CDL01	CONTAINER HANDLER HYSTER RS46	

CATERPILLAR	61DOZ01	DOZER D8T CATERPILLAR
CATERPILLAR	61DOZ02	DOZER D9T CATERPILLAR
CATERPILLAR	61DOZ05	DOZER D9T CATERPILLAR
CATERPILLAR	61DOZ06	DOZER D9T CATERPILLAR
CATERPILLAR	61DOZ07	DOZER D9T CATERPILLAR
CATERPILLAR	61DOZ08	WHEEL DOZER 834H
CATERPILLAR	61DOZ09	DOZER D6T LGP CATERPILLAR
CATERPILLAR	61DOZ10	DOZER D6T 20VP CATERPILLAR
CATERPILLAR	61DOZ11	DOZER D10T CATERPILLAR
HYSTER	61FKL02	FORK LIFT HYSTER RH35
CATERPILLAR	61FKL03	FORKLIFT GP40KL-LP
CATERPILLAR	61FKL05	FORK LIFT PD9000
CATERPILLAR	61FKL06	FORKLIFT CAT DP40KL
RAYMOND	61FKL07	RAYMOND LIFT
RAYMOND	61FKL08	RAYMOND LIFT
HYSTER	61FKL09	FORKLIFT S50XL
CATERPILLAR	61FKL10	ZOOM BOOM MODEL:TL1255C
CATERPILLAR	61FKL11	FORK LIFT
YALE	61FKL12	FORK LIFT
CATERPILLAR	61FKL13	FORK LIFT
CATERPILLAR	61GRA01	MOTOR GRADER 16H CAT
CATERPILLAR	61GRA02	MOTOR GRADER 160H CAT
CATERPILLAR	61GRA03	MOTOR GRADER 16M CAT
CATERPILLAR	61GRA04	MOTOR GRADER 16M CAT
CATERPILLAR	61GRA05	MOTOR GRADER 16M CAT
CATERPILLAR	61GRA06	MOTOR GRADER 16M CAT
CATERPILLAR	61GRA07	MOTOR GRADER 14M CAT
CATERPILLAR	61HTR01	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR02	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR03	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR04	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR05	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR06	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR07	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR08	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR09	HAUL TRUCK 777F CATERPILLAR 50T
CATERPILLAR	61HTR11	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR12	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR14	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR15	WATER TRUCK 773D CATERPILLAR

CATERPILLAR	61HTR16	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR17	HAUL TRUCK 777F CATERPILLAR 100T
CATERPILLAR	61HTR20	HAUL TRUCK 785B CATERPILLAR 150T
CATERPILLAR	61HTR21	HAUL TRUCK 785B CATERPILLAR 150T
CATERPILLAR	61HTR22	HAUL TRUCK 785B CATERPILLAR 150T
CATERPILLAR	61HTR23	HAUL TRUCK 785D CATERPILLAR 150T
CATERPILLAR	61HTR24	HAUL TRUCK 785D CATERPILLAR 150T
CATERPILLAR	61HTR25	HAUL TRUCK 785D CATERPILLAR 150T
CATERPILLAR	61HTR26	HAUL TRUCK 785C CATERPILLAR 150T
CATERPILLAR	61HTR28	HAUL TRUCK 785C CATERPILLAR 150T
CATERPILLAR	61HTR29	HAUL TRUCK 785D CATERPILLAR 150T
CATERPILLAR	61HTR30	HAUL TRUCK 785D CATERPILLAR 150T
CATERPILLAR	61HTR31	HAUL TRUCK 150T CAT 785D
CATERPILLAR	61HTR32	HAUL TRUCK 150T CAT 785D
CATERPILLAR	61HTR33	HAUL TRUCK 150T CAT 785D
CATERPILLAR	61HTR34	HAUL TRUCK 150T CAT 785D
CATERPILLAR	61HTR35	U/G TRUCK AD30 CAT
CATERPILLAR	61HTR36	U/G TRUCK CAT AD30
CATERPILLAR	61HTR37	U/G TRUCK CAT AD30
CATERPILLAR	61HTR38	U/G TRUCK CAT AD30
ATLAS COPCO	61JUM01	BOOMER 281 JUMBO DRILL 281
SANDVIK	61JUM02	JUMBO DRILL DD421
KENWORTH	61LHT01	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT02	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT03	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT04	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT05	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT06	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT08	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT09	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT10	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT11	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT12	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT13	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT14	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT15	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT16	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT17	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT18	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT19	KENWORTH TRUCK C500 6X6

KENWORTH	61LHT20	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT21	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT22	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT23	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT24	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT25	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT26	KENWORTH TRUCK C500 6X6
KENWORTH	61LHT27	KENWORTH TRUCK C500 6X6
CATERPILLAR	61LOA01	LOADER IT14G
CATERPILLAR	61LOA02	LOADER IT14G
CATERPILLAR	61LOA03	LOADER 992G CATERPILLAR
CATERPILLAR	61LOA04	LOADER 992G CATERPILLAR
CATERPILLAR	61LOA05	LOADER 420E IT CATERPILLAR
CATERPILLAR	61LOA06	LOADER 966H CATERPILLAR
CATERPILLAR	61LOA08	LOADER TC44H JOHN DEERE
CATERPILLAR	61LOA09	LOADER 966H CATERPILLAR
CATERPILLAR	61LOA10	LOADER 980H CATERPILLAR
CATERPILLAR	61LOA11	BACKHOE CATERPILLAR 420E
CATERPILLAR	61LOA12	LOADER 980H CATERPILLAR
CATERPILLAR	61LOA13	LOADER 992K CATERPILLAR
KOMATSU	61LOA14	TIRE HANDLER LOADER
CATERPILLAR	61LOA15	LOADER 980K CATERPILLAR
CATERPILLAR	61LOA16	LOADER IT14G CATERPILLAR
CATERPILLAR	61LOA18	LOADER 966H CATERPILLAR
CATERPILLAR	61LOA19	LOADER 980K CATERPILLAR
CATERPILLAR	61LOA20	LOADER CAT 420FIT
CATERPILLAR	61LOA21	LOADER 918M CATERPILLAR
CATERPILLAR	61LOA22	LOADER 930G CATERPILLAR
CATERPILLAR	61LOA23	LOADER 924K CATERPILLAR
CATERPILLAR	61LOA24	LOADER 420F IT CATERPILLAR
CATERPILLAR	61LOA25	STEMMING LOADER 914M CAT
MANITOWOC	61MCR01	CRANE 120T MANITOWOC
TEREX	61MCR02	CRANE 80T TEREX
GROVE	61MCR03	CRANE 35T GROVE
INTERNATIONAL	61MCR05	25T INTERNATIONAL BOOM TRUCK
AMERICAN	61MCR06	CRANE 200T AMERICAN
ATLAS COPCO	61RBD01	ROTARY BLASTHOLE DRILL 6"
ATLAS COPCO	61RBD02	ROTARY BLASTHOLE DRILL 6"
ATLAS COPCO	61RBD03	ROTARY BLASTHOLE DRILL 6"
ATLAS COPCO	61RBD04	ROTARY BLASTHOLE DRILL 6"

ATLAS COPCO	61RBD06	DML PROD. DRILL 6" ATLAS	
ATLAS COPCO	61RBD07	DML DRILL 6" ATLAS	
ATLAS COPCO	61RBD08	DML DRILL 6" ATLAS	
EPIROC	61RBD09	DML DRILL 6" EPIROC	
SANDVICK	61RBD10	DI650I SANDVIK DRILL	
SANDVICK	61RBD11	DI650I SANDVIK DRILL	
HYSTER	61TPA03	CONTAINER HANDLER	
INGERSOL RAND	61TPA04	INGERSOL RAND ZOOM BOOM 1056C	
CATERPILLAR	61TPA06	TELEHANDLER TL1055D	
GENIE	61TPA07	ZOOM BOOM GENIE GTH844	
LANTIS	61TPA09	TELEHANDLER LANTIS 828	
GENIE	61TPA10	GENIE TELEHANDLER	
MANITOU	61TPA11	MANITOU MTL625	
KENWORTH	61TRK01	KENWORTH WATER TRUCK 4000 GL	
KENWORTH	61TRK05	KENWORTH TRUCK C-500 (3AXLE TRACTOR)	
FORD	61TRK07	WATER DELIVERY TRUCK FORD	
FORD	61TRK08	SEPTIC TRUCK FORD	
MAC	61TRK11	CEMENT MIXER TRUCK 10CYD	
KENWORTH	61TRK16	KENWORTH TRUCK	
KENWORTH	61TRK17	KENWORTH TRUCK	
KENWORTH	61TRK18	KENWORTH TRUCK AUTO. 2007	
STERLING	61TRK21	AT9500 FUEL TRUCK	
INTERNATIONAL	61TRK22	SNOW PLOW WITH WING&SANDER	
INTERNATIONAL	61TRK23	SNOW PLOW WITH WING&SANDER	
GMC	61TRK24	TOP KICK STEAMER TRUCK	
INTERNATIONAL	61TRK31	MECHANICAL SERVICE TRUCK	
GMC	61TRK32	GMC PLANE FUEL TANKER	
CATERPILLAR	61TRK33	CAT LUBE TRUCK T300	
STERLING	61TRK34	STERLING SERVICE TRUCK	
PETERBILT	61TRK35	FUEL TRUCK PETERBILT	
KENWORTH	61TRK42	C500 FUEL TRUCK	
KENWORTH	61TRK43	C500 WATER TRUCK	
KENWORTH	61TRK44	C500 SERVICE TRUCK	
KENWORTH	61TRK45	C500 LUBE TRUCK	
KENWORTH	61TRK46	T400 FIRE TRUCK	
MACLEAN	61TRK51	BOOM TRUCK	
SMITH EQUIPMENT	61TRL25	TOWHAUL TRAILER	
SPLEIPNER	61TRL26	TYPE: E310-1000	
BOBCAT	61SKD06	SKID STEER S70	
LARUE	61SBL04	SNOWBLOWER T85-R52	

INDIRECT FIRED	61HEA50	FROST-FIGHTER IDF-500	
INDIRECT FIRED	61HEA51	FROST-FIGHTER IDF-500	
HUTCHINSON	61TRL27	FUEL TANKER JET-A (52000 lbs)	
TEMISKO	61TRL45	130T OFF ROAD LOW BOY	
TEMISKO	61TRL101	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL102	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL103	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL104	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL105	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL106	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL107	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL108	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL109	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL110	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL111	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL112	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL113	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL114	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL115	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL116	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL117	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL118	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL119	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL120	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL121	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL122	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL123	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL124	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL125	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL126	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL127	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL128	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL129	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL130	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL131	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL132	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL133	SIDE DUMP B-TRAIN TRAILER LEAD	
TEMISKO	61TRL201	SIDE DUMP B-TRAIN TRAILER REAR	
TEMISKO	61TRL202	SIDE DUMP B-TRAIN TRAILER REAR	
TEMISKO	61TRL203	SIDE DUMP B-TRAIN TRAILER REAR	

Í	1	,
TEMISKO	61TRL204	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL205	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL206	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL207	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL208	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL209	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL210	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL211	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL212	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL213	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL214	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL215	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL216	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL217	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL218	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL219	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL220	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL221	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL222	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL223	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL224	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL225	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL226	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL227	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL228	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL229	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL230	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL231	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL232	SIDE DUMP B-TRAIN TRAILER REAR
TEMISKO	61TRL233	SIDE DUMP B-TRAIN TRAILER REAR

## **SECTION 5** • FEATURES AFFECTED

This section addresses Condition 5.09c.

The list of activities planned for 2021 are presented in Section 2. Please review the layout presented in Appendix A for a description of potential features affected (e.g. dewatering activities, flooding of waterbodies, discharge of effluent, etc.). Table 3.1 of the Whale Tail Water Management Plan presented below also shows potentially affected waterbodies.

Watershed	Primary Disturbance	Waterbody	Note
	Dewatering	Lake A17	Dewatering of Lake A17 (Whale Tail Lake) to Whale Tail
	Dewatering	Lake A17	Lake (South Basin)
		Lake A46	Part of the IVR Pit footprint
		Lake A47	Part of the IVR Pit footprint
	IVR Pit	Lake A49	Part of the IVR Pit footprint
		Pond AP-67	Part of the IVR Pit footprint
		Pond AP-68	Part of the IVR Pit footprint
		Lake A50	Partially covered
	IVR WRSF Placement	Lake A51	Covered
	IVIN WINSE Placement	Lake A52	Covered
		Pond A-P21	Covered
		Lake A18	Flooded
		Lake A19	Flooded
		Lake A20	Flooded
		Lake A21	Flooded
		Lake A22	Flooded
А	Whale Tail Lake (South Basin) Diversion	Lake A45	Part of diversion channel
		Lake A55	Flooded
		Lake A62	Flooded
		Lake A63	Flooded
		Lake A65	Flooded
		Pond A-P1	Flooded
		Pond A-P53	Flooded
		Lake A17 (Whale Tail Lake)	Whale Tail Lake (North Basin) used as the Whale Tail
			Attenuation Pond
			Whale Tail Lake (South Basin) receives dewatering flows
	Various Water Management Activities		during dewatering activities, and discharge of treated
			effluent
		Lake A16 (Mammoth	D : 1: 1
		Lake)	Receives discharge of treated effluent
		Lake A53	Used as the IVR Attenuation Pond
		Lake A50	Covered by Groundwater Storage Pond
	Water Intake	Lake A16 (Mommoth	Coursed during an aretions for any ulc!!
		Lake)	Sourced during operations for emulsion plant
С		Lake C38 (Nemo Lake)	Sourced during operations
		Lake A17 (Whale Tail	Whole Teil Lake (Courth Derich Courted during 1
		Lake)	Whale Tail Lake (South Basin) sourced during closure

Please refer to the Whale Tail Pit Expansion Final Environmental Impact Statement (FEIS) for more information regarding description of topographical features, natural or manmade features, structures, works and waters that may be affected by the project during the construction and operations phases. Please refer to the relevant approved management plans for mitigations measures being implemented to reduce impact of the project on above-mentioned features. No additional impacts are predicted at this time.

#### SECTION 6 • 2021 PLANNED ENVIRONMENTAL MONITORING

The studies discussed below may be impacted by restrictions related to COVID 19 and therefore may require adjustment throughout 2021.

#### 6.1 WILDLIFE MONITORING

All wildlife monitoring is conducted in accordance to the Terrestrial Ecosystem Management Plan (TEMP) and discussions with the Terrestrial Advisory Group (TAG).

#### 6.1.1 Terrestrial Advisory Group

As part of the Terrestrial Advisory Group (TAG), meeting to discuss Project's mitigation, monitoring, and adaptive management measures related to the protection of wildlife will continue to be held in 2021.

#### 6.1.2 Habitat mapping

The habitat mapping monitoring program was developed to describe the overall area of different Ecological Land Classification (ELC) units lost due to mine-related activities at three primary locations: Main and Vault sites (which together encompass the mine site), and the AWAR. The primary objective of the habitat mapping monitoring program is to confirm that estimated habitat losses associated with mine site and AWAR construction have not exceeded the threshold limits identified in the TEMP plus approved extensions. Habitat mapping was last completed in 2019, the next program is to be done in 2022.

#### 6.1.3 Raptor Nest Surveys

The raptor nest survey monitoring program has been designed to confirm that mine-related activities do not result in inadvertent negative effects on nesting raptors. As part of the weekly road and quarry inspection, Agnico Eagle will conduct a raptor nest survey. Agnico Eagle is working closely with Alastair Franke (Arctic Raptors Inc.) to assist in managing and mitigating any potential disturbance to raptors and possible nest sites.

#### 6.1.4 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.

#### 6.1.5 Checklist Surveys and Wildlife Logs

At the mine site, noteworthy wildlife sightings are recorded in an on-site wildlife log, which is tabulated at the end of each year and included in the annual wildlife monitoring summary report. Employees are also encouraged to record wildlife sightings on a daily basis. A monthly wildlife report is sent to the GN DOE.

#### 6.1.6 WTHR and Mine-Site Road Surveys

The Whale Tail Haul Road (WTHR) and Mine-Site road surveys monitoring program has been designed to evaluate sensory disturbance to wildlife utilizing habitats adjacent to the road. Road kill information and large Caribou herds are also documented to facilitate the implementation of adaptive management strategies. The terrain on both sides of the road (to a maximum horizontal distance of 1 km) is surveyed as the vehicle progresses at a maximum speed of 30 km/hr. For each sighting, the vehicle is safely parked in a road pullout and UTM coordinates are recorded along with estimated distance of animals from the road, habitat type and direction of movement.

The WTHR survey monitoring program will continue on an annual basis.

#### 6.1.7 Screening Level Risk Assessment

The SLRA for the Meadowbank Mine (including the Whale Tail Pit) will evaluate risks to wildlife from contaminant exposure in and around the mine site every three years during operation, and results will be reported to NIRB in the context of Agnico's Annual Report for the Meadowbank site. It provides an updated evaluation of soil and vegetation tissue chemistry as well as an assessment of risk to resident birds, mammals and a conservative estimate of potential impacts to local harvesters due to consumption of wildlife. Sampling activities were planned for 2020, but due to COVID 19 the program was placed on hold until 2021.

#### 6.2 AQUATIC EFFECTS MONITORING PROGRAM

#### 6.2.1 Core Receiving Environment Monitoring (CREMP)

The Whale Tail Project was merged with the Meadowbank and Baker Lake CREMP reporting framework in 2018. This monitoring program will continue throughout the operations and closure phases of the mine project. Monitoring will continue to be conducted at 8 sampling stations (4 near fields; 2 mid-fields; 2 far-field) for limnology, water and sediment chemistry, phytoplankton and benthic invertebrate community.

#### 6.2.2 Metal and Diamond Mining Effluent Regulations (MDMER) Monitoring

In 2021, Whale Tail site will have regulated discharge points subject to MDMER regulations: Consequently, Agnico Eagle is monitoring these discharges in accordance with the MDMER (and Water License) requirements. This includes weekly sampling for metals, monthly toxicity testing, and monitoring water quality in the release and control/reference areas. The first Biological Monitoring Study Cycle 1 in Mammoth Lake as per MDMER Schedule 5 Part 2 was conducted in 2020 and the Interpretive Report will be submitted in July 2021. This program is regulated by

Environment and Climate Change Canada and is designed specifically to evaluate the effects of effluent discharge on the receiving environment.

#### 6.2.3 Water Quality and Flow Monitoring

All water sampling conducted at the mine site and along the WTHR designed to monitor the performance of the waste and water management systems for the project fall into this category. In 2021, Agnico Eagle will continue to monitor the performance at the sewage treatment plant, attenuation ponds, pit sumps, seeps, bulk fuel storage facilities, freshwater usage volumes, water quality along the WTHR, and all other monitoring requirements stipulated in NWB Type A water license 2AM-WTP1826.

#### 6.2.4 Blast Monitoring

The blast monitoring program will be used in 2021. The program will monitor blasting peak particle velocity and overpressure in the receiving environment and ensure that Agnico Eagle uses the specific charge weight/delay/set back necessary to meet DFO requirements, and to ensure the stability of the dikes and mines site infrastructure.

Agnico Eagle has implemented a field-based study to understand and document the visual and physical parameters of the blast and quantify the response of caribou to the blast. This will continue in 2021.

#### 6.3 GROUNDWATER MONITORING PROGRAM

The groundwater monitoring will continue in 2021. The groundwater monitoring program will be conducted in accordance with the Groundwater Monitoring Plan.

#### 6.4 NOISE MONITORING PROGRAM

The noise monitoring will continue in 2021 with sampling twice a year at monitoring locations established at the mine site.

#### 6.5 AIR MONITORING PROGRAM

Agnico Eagle will continue in 2021 the annual WTHR dustfall and air quality monitoring around the Whale Tail site. Results will be provided in the 2021 Annual Report.

## SECTION 7 • 2021 PROGRESSIVE RECLAMATION PLAN

This section addresses Condition 5.09 d. In 2021, Agnico Eagle will be in operation phases of the Whale Tail Pit project. As such, no progressive reclamation activities will be completed.

APPENDIX A. Site Layout

