



2020 WORK PLAN

22 January 2020

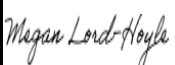
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SECTION 1.0 - INTRODUCTION

The following document presents the 2020 Work Plan for the Mary River Project as required under Section 6.1 of Commercial Lease No. Q13C301 (the Lease) agreed between Baffinland Iron Mines Corporation (Baffinland) and the Qikiqtani Inuit Association (QIA). Additionally, this document is a requirement under Amendment No. 1 of the Type 'A' Water Licence 2AM-MRY1325 for the purposes of an Annual Security Review (ASR). In the event the Project does not advance, the work items as described and constructed in the 2020 Work Plan will be subject to reclamation, as per the Mary River Project Interim Closure and Reclamation Plan (BAF-PH1-830-P16-0012, refer to Appendix C) and relevant regulatory and permit obligations.

The 2020 Work Plan has been prepared in accordance with the Lease Operations Guide for the "Annual Work Plan Submission" finalized in 2018. The Operations Guide is a set of procedures developed jointly by QIA and Baffinland to guide the on-going administration of the Lease.

Baffinland continues to expand the operation of the Mary River Project, both through the 6 million tonne per annum (Mtpa) increase approved in 2018 and the submission of the Phase 2 Environmental Impact Statement (EIS) in 2018. Activities outlined in this 2020 Work Plan represent planned works, improvements, infrastructure and equipment required to execute the currently approved phase of the project.

An overview of the on-going mining operations and works planned for 2020 is provided below, with further details presented in subsequent sections of the document.

1. Development and operation of the mine, ore crushing and land transportation, stockpiling and marine shipment of ore;
2. The continued development and construction of infrastructure required at Milne Port and the Mary River Mine Site (Mine Site) and along the Tote Road for the Mary River Project;
3. Continued operation of Mine Site and Milne Port Camps to support ongoing operations and construction activities which will include the use of water and deposition of waste as authorized under existing permits;
4. On-going operation and expansion of permitted quarry and borrow sources;
5. At Milne Port, vessels carrying fuel, equipment and supplies for use at the Mine Site and Milne Port will arrive during open water. Material, fuel and supplies required for operational and construction activities will be transported to the Mine Site year round via the Tote Road;
6. Ongoing environmental effects studies and baseline data collection will continue to support the construction and operation of the Project as well as for future engineering requirements;
7. Continued environmental monitoring in accordance with the approved Project Certificate, licenses, authorizations, management plans and environmental effects monitoring plans;
8. On-going exploration activities including drilling, mapping, prospecting, sampling, and geophysics. Planning of the details of the summer drilling and/or trenching program is not yet finalized;
9. Tote Road improvements to address safety concerns, freshet runoff issues and poor road conditions during the spring and summer periods;

10. Continued construction of additional fuel storage at the project;
11. Site grading and laydown construction for supplies and equipment to support future construction activities and remove ponding and permafrost degradation issues around current infrastructure; and
12. Erection of additional maintenance facilities to safely service equipment.

SECTION 2.0 - LIST OF CURRENT PERMITS

The Work Plan is presented within the context of the applicable regulatory authorizations. The main regulatory instruments that allow for the 2020 Work Plan activities are presented in Table 2-1 below.

Table 2-1: Existing Environmental Permits

Permit Name	Permit Number	Regulatory Agency	Expiry
Project Certificate and Amended Project Certificate	005	Nunavut Impact Review Board	No Expiry
Inuit Impact Benefit Agreement	N/A	Qikiqtani Inuit Association	No Expiry
Commercial Lease	Q13C301	Qikiqtani Inuit Association	31-Dec-43
Amendment No.1 Type A Water Licence	2AM-MRY1325	Nunavut Water Board	10-Jun-25
Type B Water License – Exploration	2BE-MRY1421	Nunavut Water Board	16-Apr-21
Land Use Permit - Steensby	N2019C0009	Crown Indigenous Relations and Northern Affairs Canada	29-Jun-24
Land Use Permit – Tote Road	N2019Q0011	Crown Indigenous Relations and Northern Affairs Canada	29-Jun-24
Land Use Permit - Bruce Head	N2019J0010	Crown Indigenous Relations and Northern Affairs Canada	29-Jun-24
Quarrying Permit - Tote Road (Borrow P1 at Km 63)	Under Review	Crown Indigenous Relations and Northern Affairs Canada	N/A
Land Lease - Milne Foreshore	47H/16-1-2	Crown Indigenous Relations and Northern Affairs Canada	30-Jun-35
Permitted Quarries and Borrows on Inuit Owned Land: Quarries Q1, QMR2, Q7, Q11, Q19, Borrows KM104, Km 2, and Km 97	N/A	Qikiqtani Inuit Association	N/A
Fisheries Authorization - Ore Dock	14-HCAA-00525	Fisheries and Oceans Canada	31-Dec-20
Fisheries Authorization – Freight Dock	18-HCAA-00160	Fisheries and Oceans Canada	1-Jun-20
Fisheries Authorization - Tote Road	NU-06-0084	Fisheries and Oceans Canada	No Expiry
Fisheries Authorization – Crossings	06-HCAA-CA7-00084	Fisheries and Oceans Canada	N/A
Fisheries Crossings along Tote Road and Quarries, culvert extensions and replacements	Various Letters of Advice	Fisheries and Oceans Canada	No Expiry
Licence to Fish for Scientific Purposes and Animal Use Protocol ¹	S-18/19-1026-NU, S-19/20-1037-NU, FWI-ACC-2018-36	Fisheries and Oceans Canada	30-Sept-19
Navigable Waters - Crossings	8200-07-10273, 10267, 10269, 10268, 10274, 10272, 10266, 10271	Transport Canada	Until work completed
Marine Facility	4306-2-6- P/B	Transport Canada	24-June-20
Scientific Permit ²	02 001 19N-M	Government of Nunavut	31-Dec-19
Scientific Permit ³	02 010 19R-M	Government of Nunavut	31-Dec-19
Factory Licence ⁴	F1-076068/E	National Resources Canada	-

NOTE:

1 Held by Minnow Environmental Inc. and North/South Consulting for Licence to Fish for Scientific Purposes associated with the Project

2 Held by Knight Piésold for performance of IQ and Traditional Harvest Studies associated with the Project

3 Held by Baffinland for data collection and analysis for environmental monitoring and management with the Project

4 Held by Dyno Nobel, the explosives contractor on behalf of the Project

SECTION 3.0 - ANNUAL SCOPE OF OPERATIONS AND WORK

Table 3-1 below provides a description of Baffinland's proposed operation and work for 2020, with an emphasis on changes from the previous year, and the anticipated effects that this work would have on the Property and the infrastructure of the mine.

While the activities outlined in this 2020 Work Plan represent planned works, improvements, infrastructure and equipment required to execute the currently approved phase of the project, it is anticipated that additional approvals from the NIRB, NWB, QIA, and DFO will be required for select activities, and may include;

- Amendments to the Project Certificate No. 005 and Type 'A' Water Licence 2AM-MRY1325 as a result of the Phase 2 Project;
- Modifications to the existing Type 'A' Water Licence 2AM-MRY1325;
- An Options Exercise Notice (OEN) to modify the boundaries of the Commercial Lease, or to reclassify lands in accordance the terms and conditions of the Commercial Lease;
- A Tote Road Adjustment Notice (TRAN) for changes to the alignment, grade or design of the Tote Road as described in the Lease Operations Guide for the Tote Road Adjustment Notice and in accordance with the terms and conditions of the Commercial Lease;
- Quarry Management Plans (QMPs) will be required for the newly proposed quarries in 2020. Additionally, existing plans may need to be revised to reflect changes in the quarry footprint proposed for 2020; and,
- Authorization or Letter of Advice from DFO for fish habitat.

Table 3-1: Scope of Work for 2020

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit or QIA Applications	Other Information
	<i>e.g. Milne Inlet/Tote Road/Mine Site</i>	<i>e.g. Impact Area /Exploration Area</i>	<i>Approximate UTM (if known) (Zone 17W)</i>	<i>Provide a detailed description of the activity.</i>	<i>A description of how the feature(s) (topographical and/or manmade) will be affected</i>	<i>N/A</i>	<i>List any associated permit applications if applicable.</i>	<i>e.g. Issued for construction documentation</i>
Scope of Work for 2020								
1	Mine Site	Impact Area	N7913348 E561121	Installation of fuel line and associated piping between the mine site fuel storage areas and gensets. Total of 250m pipe.	Minor leveling and grading within Potential Development Area.	2020	Security	IFCs
2	Mine Site	Impact Area	N7913321 E560631	Installation of a mine dry facility at the Sailivik Camp.	No effect, will be placed on developed laydown within Potential Development Area	2020	Security	Layout Drawings
3	Mine Site / Milne Port	Impact Area	(A) Mine Site - N7914780 E558420 (B) Milne Port - N7975973 E503774	Installation of two (2) new waste incineration units; one (1) at the Mine Site, one (1) at Milne Port	No effect, will be placed on developed laydown within Potential Development Area	2020	Security Water Licence Modification	IFCs
4	Mine Site	Impact Area	N7916744 E563228	Expansion of the Waste Rock Facility Water Treatment Plant to include an additional geotube settling containment area. Total footprint of new lined area is 3,000 m ³ .	Leveling and grading within Potential Development Area	2020	Security Water Licence Modification	IFCs
5	Mine Site	Impact Area	N7915730 E563348	Installation of a hard line for transfer of water from Deposit 1 to the Waste Rock Facility sedimentation pond. Hard line will replace current use of layflat hose. Total length of line is 3,500 m.	Positive environmental effect, focus on improving water management and reduction of spill potential. Minor leveling and grading with the Potential Development Area	2020	Security Water Licence Modification	IFCs
6	Mine Site	Impact Area	N7915529 E564028	Construction of a sedimentation pond at the Mine Haul Road to manage surface water runoff. Pond will be lined and have a footprint of 10,000 m ² .	Leveling and grading within Potential Development Area	2020	Security Water Licence Modification	IFCs
7	Mine Site	Impact Area	N7914428 E563192	Implementation of a water management plan for Deposit 1, including berms and ditching to manage surface water.	Leveling and grading within the ultimate limit of Deposit 1	2020	None	IFCs

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit or QIA Applications	Other Information
	<i>e.g. Milne Inlet/Tote Road/Mine Site</i>	<i>e.g. Impact Area /Exploration Area</i>	<i>Approximate UTM (if known) (Zone 17W)</i>	<i>Provide a detailed description of the activity.</i>	<i>A description of how the feature(s) (topographical and/or manmade) will be affected</i>	<i>N/A</i>	<i>List any associated permit applications if applicable.</i>	<i>e.g. Issued for construction documentation</i>
8	Mine Site	Impact Area	(A) HD Shop - N7913209 E561467 (B) MR Shop - N7913295 E5612525 (C) Wash Bay - N7913213 E561645 (D) 110 Laydown - N7915177 E563454	Construction of a waste containment cells exterior to workshop facilities, for temporary storage of materials prior to longer term storage in the Hazardous Waste Berms and eventual backhaul. HD Shop - 72 m2 MR Shop - 120 m2 Wash Bay - 120 m2 110 Laydown - 144 m2	Lined area on developed laydown within the Potential Development Area	2020	Security Water Licence Modification OEN	IFCs
9	Mine Site	Impact Area	N7913336 E561455	Installation of new trailers/offices and environmental lab in camp area, and new trailer/Dry in crushing area.	No effect, will be placed on developed laydown within Potential Development Area	2020	Security	Layout Drawings
10	Mine Site	Impact Area	N7914047 E559584	Expansion of the warehouse laydown area for additional storage of seacans and equipment. Total area of 3,200 m ² .	Leveling and grading within Potential Development Area	2020	Security	Layout Drawings
11	Mine Site	Impact Area	N7914137 E559330	Installation of permanent lighting for port and logistics. Total of 600 m of electrical cabling.	No effect, will be placed on developed laydown within Potential Development Area	2020	Security	Layout Drawing
12	Milne Port	Port	N7975294 E503444	Construction of a waste containment cell exterior to workshop facilities, for temporary storage of materials prior to longer term storage in the Hazardous Waste Berms and eventual backhaul. Port Shop - 72 m ² .	Lined area on developed laydown within the Potential Development Area	2020	Security Water Licence Modification OEN	Layout Drawings
13	Tote Road	Impact Area	Various	Continued work to repair and replace culverts along the Tote Road, including those with identified fish passage issues. All culverts will be repaired or replaced to the 2013 Hatch design.	Positive environmental effect, focus on improving water management and fish passage	2020	None - Security in Place	N/A
14	Tote Road	Impact Area	(A) KM 26 - N7959689 E518576 (B) KM 80 - N7922308 E542130	Addition of washroom facilities/refuge stations at KM26 and KM80 IT Towers.	Minor leveling and grading within Potential Development Area.	2020	Security	Layout Drawings
Work Carried over from 2019 & Prior – Security in Place								
2019-1	Rail/ Tote Road/ Milne Port	Impact Area	(A) Q1 - N7974810 E503970 (B) Q5 - N7972300 E506000 (650,000 m2) (C) PQ2A - N7955289 E522130 (345,500 m2) (D) PQ4A - N7942972 E523552 (105,000 m2) (E) PQ6A - N7929733 E528240 (194,000 m2) (F) PQ12A - N7920935 E539158 (232,300 m2)	Development and expansion of quarries, consisting of; four (4) new quarries along the Tote Road with 8m wide access roads, expansion of previously proposed but not constructed quarry Q5, and expansion of the working limits of existing quarry Q1.	Leveling and grading within Potential Development Area and Tote Road	2020	Quarry Management Plans	Surveys
2019-2	Rail/Tote Road	Impact Area	(A) Laydown 4 - N7960605 E518164 (66,300 m2) (B) Laydown 7 - N7940427 E524119 (28,900 m2) (C) Laydown 9 -N7929681 E527833 (92,500 m2) (D) Laydown 10 - N7921358 E540249 (34,500 m2) (E) Laydown 13 - N7915170 E557599 (7,000 m2)	Development of six (6) laydowns adjacent to the existing Tote Road for material stockpiling and storage. The laydowns will be constructed by filling directly over undisturbed ground and 31m away from the high water mark of local water bodies. The laydowns will be constructed of 500 mm thickness quarried rock with granular surfacing, free draining to appropriate ditches and water courses. Laydown 2 completed in 2019.	Leveling and grading within Potential Development Area	2020	OEN (Approved)	Layout Drawing

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit or QIA Applications	Other Information
	<i>e.g. Milne Inlet/Tote Road/Mine Site</i>	<i>e.g. Impact Area /Exploration Area</i>	<i>Approximate UTM (if known) (Zone 17W)</i>	<i>Provide a detailed description of the activity.</i>	<i>A description of how the feature(s) (topographical and/or manmade) will be affected</i>	<i>N/A</i>	<i>List any associated permit applications if applicable.</i>	<i>e.g. Issued for construction documentation</i>
2019-3	Tote Road	Impact Area	(A) KM8 N7971327 E506536 (B) KM97 N7914750 E554750	Grade adjustments at KM8 and KM97 to improve safety and drainage. No new culvert installations required.	Leveling and grading within Potential Development Area.	2020	TRAN	IFCs
2019-6	Milne Port	Impact Area	N7975763 E502984 (155,000 m2)	Expansion of the Milne Port Ore Stockpile and water management facilities to optimize stockpiling and shiploading operations, resulting in additional 140,000 m2 of stockpile area and 15,000 m2 lined sedimentation pond.	Leveling and grading within Potential Development Area	2020	Water Licence Modification No. 12 (Approved)	IFCs
2019-7	Milne Port	Impact Area	N7974938 E503109 (6,000 m2)	Construction of berm and linear steel support structure on laydown LP3 for receipt and storage of stacker/reclaimer equipment. Berm dimensions are 200m x 30m x 2m, constructed on existing disturbed area.	No effect, will occur on developed laydown within Potential Development Area	2019	None - on existing disturbed area	Layout Drawing(s)
2019-8	Milne Port	Impact Area	N7976033 E503590 (4,180 m2)	Construction of new polishing waste stabilization pond (PWSP) at 380 Person camp to manage off-spec effluent from the 380p camp waste water treatment plant	No effect, will occur on developed laydown within Potential Development Area	2020	OEN Water Licence Modification	IFCs
2019-9	Milne Port	Impact Area	N7975481 E503779 (2,700 m2)	New contaminated water/snow containment pond adjacent to existing pond at Milne Port	Leveling and grading within Potential Development Area	2020	OEN Water Licence Modification	IFCs
2019-11	Mine Site / Milne Port	Impact Area	(A) Mine Site - N7914539 E558228 (360 m2) (B) Milne Port - N7976251 E503915 (360 m2)	Construction of new hazardous waste berm at the Mine site and at Milne Port. Decommissioning of select existing berms to consolidate waste management.	Environmental optimization. Leveling and grading within Potential Development Area	2020	OEN Water Licence Modification	IFCs
2019-12	Mine Site	Impact Area	N7914015 E564007 (91,000 m2)	Laydown area for parking and equipment storage at Km 107.5.	Leveling and grading within Potential Development Area	2020	None	Layout drawing(s)
2019-13	Mine Site	Impact Area	N7915590 E563181 (180,000 m2)	New KM110.5 Laydown for additional equipment storage and maintenance shop installation	Leveling and grading within Potential Development Area	2020	None	Layout drawing(s)
2019-14	Mine Site	Impact Area	N7915590 E563181 (1,500 m2)	Heated maintenance shop for pit equipment at Km 110.5 Laydown. Tent structure with lined floor. Footprint is approximately 1,500 m ² .	No effect, will occur on developed laydown within Potential Development Area	2020	None	Layout drawing(s)
2019-15	Mine Site	Impact Area	N7914500 E558150 (area m2)	Decommissioning and repurposing of Weatherhaven structures for storage and workspace.	No effect, will occur on developed laydown within Potential Development Area	2020	None	None

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit or QIA Applications	Other Information
	<i>e.g. Milne Inlet/Tote Road/Mine Site</i>	<i>e.g. Impact Area /Exploration Area</i>	<i>Approximate UTM (if known) (Zone 17W)</i>	<i>Provide a detailed description of the activity.</i>	<i>A description of how the feature(s) (topographical and/or manmade) will be affected</i>	<i>N/A</i>	<i>List any associated permit applications if applicable.</i>	<i>e.g. Issued for construction documentation</i>
2019-16	Mine Site	Impact Area	N7913450 E560450 (12,000 m2)	Expansion of the 800 person camp pad to the north by approximately 12,000 m ² to accommodate additional support offices and buildings.	Leveling and grading within Potential Development Area	2020	None	Layout drawing(s)
2019-17	Mine Site	Impact Area	N7913450 E560450 (925 m2)	Addition of offices/trailers/buildings at the 800p Camp. Total footprint is 925 m ² , including approximately 500 m ² for a new fire hall and emergency response building.	No effect, will occur on developed laydown within Potential Development Area	2019	None	Layout drawing(s)
2019-18	Mine Site	Impact Area	N7912328 E561111 (9,000 m2)	Construction of a landfarm at the Mine Site landfill facility, with an estimated footprint of 9,000 m2. Disturbed area included in 2018 Addendum, new lined area requires security allocation.	Leveling and grading within Potential Development Area. Area already allocated as disturbed.	2020	Water Licence Modification No. 10 (Approved) Security in place Notification to NWB	IFCs
2019-20	Mine Site	Impact Area	N7913446 E561080	Construction of one (1) arctic diesel fuel tank (Tk6) with 15ML capacity, and associated fuel piping. The fuel tank will be constructed on a pad within the existing Mine Site fuel storage facility.	No effect, will be placed on developed lined containment facility within Potential Development Area	2020	Phase 2 Project Certificate	IFCs
2019-21	Mine Site	Impact Area	N7912830 E561787 (12,000 m2)	Upgrades to the mine site crusher facility, including expansion of the crusher pad (12,000 m ²), new water diversion structures, and increase to sedimentation pond (MS-06) capacity (2,000 m ²). Installation of one (1) culvert in northern perimeter ditching to allow for vehicle access to maintenance shop.	Leveling and grading within Potential Development Area	2020	Water Licence Modification	IFCs
2019-23	Mine Site	Impact Area	N7913284 E563431 (133,400 m2)	Construction of a Run of Mine (ROM) Stockpile at KM 106 (previously KM107) (76,600 m2) and sedimentation pond (10,600 m ² disturbed, 7,500 m ² lined).	Leveling and grading within Potential Development Area	2020	Notification to NWB (Completed)	IFCs
2019-25	Milne Port	Impact Area	N7976389 E503422 (4,400 m2)	Installation of East Sedimentation Pond Expansion (2a) approved with Modification No. 9, but for which security has not been allocated.	Leveling and grading within Potential Development Area	2020	Water Licence Modification No. 9 (Approved) Submission of IFC Drawings (Submitted)	IFCs
2018-A1	Mine Site	Impact Area	N7914560 E563904	Construction of the Mine Haul Road Cross Cut, and widening of the existing Mine Haul Road for safety purposes and to permit larger truck traffic	Minor leveling and grading within Potential Development Area	2020	Water Licence Modification No. 7 (Approved) Submission of IFC Drawings (Submitted)	IFCs
2018-27	Milne Port	Impact Area	N7976483 E504119	Relocation of effluent discharge point to barge offload area	Positive effect. Reduced environmental spill risk.	2020	Water Licence Modification No. 7 (Approved)	IFCs

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit or QIA Applications	Other Information
	<i>e.g. Milne Inlet/Tote Road/Mine Site</i>	<i>e.g. Impact Area /Exploration Area</i>	<i>Approximate UTM (if known) (Zone 17W)</i>	<i>Provide a detailed description of the activity.</i>	<i>A description of how the feature(s) (topographical and/or manmade) will be affected</i>	<i>N/A</i>	<i>List any associated permit applications if applicable.</i>	<i>e.g. Issued for construction documentation</i>
2018-28	Milne Port	Impact Area	N7976491 E504122	Marine manifold building relocation - moving from current location north of fuel tank farm to upgraded freight dock location	Positive effect. Reduced environmental spill risk.	2020	Water Licence Modification No. 7 (Approved)	Layout drawing
Progressive Reclamation								
-	Milne Port	-	N7975568 E503745	Management of hydrocarbon impacted soils within the existing landfarm facility.	N/A	Ongoing	N/A	N/A
-	Milne Port	-	N/A	Demobilization of equipment and supplies not required for near term activities as well as current inventory of hazardous waste and other materials by means of sealift from Milne Port	N/A	2018	N/A	N/A
-	Milne Port and Mine Site	-	N/A	Discharge and treatment of residual treated sewage effluent stored in PWSP at Mary River Exploration Camp and Milne Port Site.	N/A	Ongoing	N/A	N/A
-	Tote Road	-	N/A	Continue the development and implementation of a long term multi-year plan to address localized areas of permafrost degradation associated with the current borrow areas including KM97, and the area	N/A	Ongoing	N/A	N/A
-	Tote Road	-	N/A	Reclamation of sections of the exploration phase Tote Road no longer in use by means of scarifying and culvert removals.	N/A	Ongoing	N/A	N/A
-	Mine Site	-	N7912845 E560922	Continued development of the Mine Site landfill and deposition of non-hazardous waste in accordance with the Landfill Maintenance and Operations Manual	N/A	Ongoing	N/A	N/A
-	Site Wide	-	N/A	Ongoing removal from site, or safe disposal on-site of infrastructure, equipment and supplies no longer required for ongoing construction and operations.	N/A	Ongoing	N/A	N/A
-	Site Wide	-	N/A	Unless otherwise identified within the approved interim Closure and Reclamation Plan, where roads are no longer in use - removal of culvert and open/restore the natural drainage channel. Measures will be taken to minimize erosion and sedimentation	N/A	Ongoing	N/A	N/A
-	Site Wide	-	N/A	Areas that have been contaminated by hydrocarbons from normal fuel transfer, handling and storage activities will be reclaimed to meet objectives as outlined in the Government of Nunavut's Environmental Guideline for Site Remediation 2010. Use of reclamation soils for purpose of back fill or general site grading may be carried out with approval of applicable inspectors and agencies.	N/A	Ongoing	N/A	N/A

3.1 INFRASTRUCTURE LAYOUT AT END OF 2020

Site layouts for Milne Port, Tote Road, and Mary River Mine Site can be found in Appendix A of this document.

SECTION 4.0 - MINING AND EXPLORATION ACTIVITIES

4.1 EXPLORATION ACTIVITIES AND DRILLING PLANS

The scope of Baffinland's Type 'B' Licence (2BE-MRY1421) and Commercial Lease with QIA allows for Baffinland to continue/undertake the exploration activities and drilling programs on its mineral leases in the Qikiqtani Region of Nunavut. This includes the exploration land use areas as defined in Section 2.2 of Commercial Lease. The types of exploration activities planned for 2019 are included within the scope of the Type 'B' Water Licence, with the exception the Ege Bay exploration program which holds a separate Type 'B' Water Licence (2BE-EQE1926) for the operation of the exploration camp and activities.

At this time when the Work Plan is required to be submitted, the exploration and drilling programs for 2020 have not yet been finalized. However, as a minimum, activities will include:

- Drilling
- Mapping
- Sampling
- Geophysical and geochemical surveys.

Operation of the Steensby Inlet Camp and Mid Rail Camp are not at this time anticipated to be required during 2020. A new exploration camp at the Ege Bay location is being evaluated, and Baffinland has engaged QIA in a new land lease for this camp.

It is anticipated that exploration activities will continue in 2020 with a drilling program on Deposits 1, 2, and 3. Once proposed drilling locations are finalized, this information will be provided to QIA, NWB, CIRNAC, and others.

4.2 AMOUNT AND TYPE OF ORE AND WASTE TO BE MINED

An estimate of the breakdown of ore vs. waste mined from Deposit No. 1 by month during 2019 is provided in Table 4-1 below. Note that the volume of ore to be mined is contingent on the approval of the Phase 2 Project, and is subject to change based on the outcome of the Project Certificate amendment.

Table 4-1: Mine Forecast 2020

Month	Ore Mined (wmt)	Waste Mined (wmt)	Total Mined (wmt)
January	524,150	469,455	993,605
February	525,000	277,950	889,951
March	525,000	261,208	886,208
April	525,000	120,452	819,613
May	525,000	293,124	832,229
June	525,000	317,332	927,704
July	550,000	203,756	915,917
August	550,000	173,213	923,213
September	526,000	282,069	830,099
October	506,293	394,531	900,824
November	550,000	292,107	894,524

Month	Ore Mined (wmt)	Waste Mined (wmt)	Total Mined (wmt)
December	469,307	556,258	1,025,565
Total	6,300,749	3,641,457	10,839,453

4.3 AMOUNT AND TYPE OF ORE TO BE SHIPPED EACH MONTH

Ore shipping during 2020 will occur during the open water season from end of July to approximately mid-October. The expected total shipping quantities for 2020 are shown in Table 4-2 below. Note that the forecasted volume of ore to be shipped outlined in the below table is contingent on the approval of the Phase 2 Project, and is subject to change based on the outcome of the Project Certificate amendment process.

Table 4-2: Ore Shipping Forecast 2020

	Lump Ore Shipped (wmt)		Fines Shipped (wmt)		Total Shipped (wmt)	
Month	Milne Inlet	Steensby Inlet	Milne Inlet	Steensby Inlet	Milne Inlet	Steensby Inlet
January	-	-	-	-	-	-
February	-	-	-	-	-	-
March	-	-	-	-	-	-
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	750,000	-	-	-	750,000	-
August	975,000	-	1,350,000	-	2,325,000	-
September	975,000	-	1,375,000	-	2,350,000	-
October	300,000	-	275,000	-	575,000	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
TOTAL	3,000,000	-	3,000,000	-	6,000,000	-

4.4 SPECIFIED SUBSTANCES TO BE QUARRIED AND EXPECTED USES

A summary of the expected quantities of quarried and borrow materials to be extracted during 2020 are provided in Table 4-3, below. The expected quarterly quantities of each specified substance per quarry site and borrow location is provided also in Table 4-3, below. Note that quarry volumes are subject to change based on timeline for additional Quarry Management Plan submission and approval.

Table 4-3: 2020 Quarry and Borrow Pit Quantities

Quarry Summary	Km Location	Permitted	Q1	Q2	Q3	Q4	Total	Estimated Surface Area Increase	Estimated Breakdown Of Specified Substances
UNITS			m ³	m ³	m ³	m ³	m ³	m ²	
Q1	1	Permitted	55,000	25,000	25,000	25,000	130,000	438,633	Rock
Q7	7	Permitted	-	-	-	-	0	0	Rock
Q11	21	Permitted	-	-	-	-	0	0	Rock
Q19	93.5	Permitted	-	-	-	-	0	0	Rock
QMR2	102	Permitted	37,500	37,500	87,500	87,500	250,000	283,652	Rock
Km 2	2	Permitted	-	-	-	-	0	0	Granular
Km 97	97	Permitted	25,000	25,000	25,000	25,000	100,000	159,512	Granular
Q5	4	Proposed	150,000	500,000	450,000	450,000	1,550,000	246,840	Rock
PQ2A	28.9	Proposed	15,000	60,000	85,000	-	160,000	113,918	Rock
PQ4A	41.6	Proposed	10,000	80,000	70,000	20,000	180,000	113,918	Rock
PQ6A	56.2	Proposed	10,000	150,000	100,000	50,000	310,000	239,754	Rock
PQ12A	84.5	Proposed	-	-	50,000	50,000	100,000	259,755	Rock
Total							2,780,000	1,855,982	

Notes:

1. The quantities from each source are approximate values and may vary based on minor changes to the schedule and scope, however, the aggregate volume to be extracted is expected to remain constant.
2. The final schedule for the issuance of Quarry and Borrow Source Management Plans for proposed new quarry and borrow areas is not finalized at the time the Work Plan was prepared.
3. It is noted D1Q1 and D1Q2 will also be used as a source of aggregate in 2018 to support Mine Haul Road maintenance but is not considered a formal quarry as it is located in the Mining Lease and is anticipated to be within the LOM pit extent.

SECTION 5.0 - ANNUAL QUANTITIES OF SOLID WASTE**5.1 SOLID WASTE DISPOSAL**

The expected annual quantity of solid wastes to be deposited during 2020 is established from survey volumes measured in 2015 through 2019, as well as an analysis of proposed activities. Estimated quantities of solid waste to be deposited in approved waste storage areas are shown in the Table 5-1 below.

Table 5-1: Annual Volume of Solid Waste to be Deposited in Waste Storage Areas in 2020

Property Section	Waste Storage Area	Volume of Solid Waste to be disposed of (m ³)
<i>e.g. Milne Port/Tote Road/Mine Site</i>	-	
Mine Site	Landfill	9,000
TOTAL		9,000

SECTION 6.0 - EXPECTED USES OF WATER

6.1 WATER USE

The Type 'A' Water Licence 2AM-MRY1325 Amendment No. 1 permits the following maximum water use for domestic and industrial purposes during construction phase of the Project, as shown in Table 6-1 below. These volumes are subject to change, consistent with the volumes provided in the application for the Type 'A' Water Licence Amendment for Phase 2, following the approval of the amendment to the Water Licence. As per Clause 22 of the QIA-Baffinland Water Compensation Agreement, Baffinland will pay a Consumptive Payment for Water Use, in connection with the Project for the maximum water volume permitted to be used or withdrawn annually as defined in the water licences issued to Baffinland by NWB.

Table 6-1: Approved Water Use for Domestic and Industrial Purposes during Construction Phase

Property Section	Water Source Name	Water Source Location	Annual Volume to be used (m ³)
Milne Port (Milne Inlet)	Phillips Creek (Summer)	71° 52' 53.3" N 80° 56' 04.0" W	134,130 m ³ /year
	Km 32 (Winter)	71° 30' 39.5" N 80° 14' 54.4" W	
Mine Site (Mary River)	Camp Lake	71° 19' 38.6" N 79° 22' 57" W	240,000 m ³ /year
Steensby Port (Steensby Inlet)	ST 347 km Lake	N/A	0 m ³ /year
	3 km Lake	N/A	
TOTAL			371,130 m³/year

Source: Amendment No.1 Type 'A' Water Licence (2AM-MRY1325)

The Amendment No.1 of the Type 'A' Water Licence authorizes Baffinland to withdraw up to 1,500 m³/day to a maximum of 547,500 m³ annually of water specifically for use in dust suppression or control along the Tote Road of the Project. Water for dust suppression or control shall be obtained from the sources in accordance with thresholds established and shown in Table 6-2 below. These volumes and locations are subject to change, consistent with the volumes and locations provided in the application for the Type 'A' Water Licence Amendment for Phase 2, following the approval of the amendment.

Table 6-2: Water Use for Dust Suppression

Property Section	Water Source Name	Water Source Location		Daily Water Take Proposed for Dust Suppression(m ³ /day)	Restrictions
		Latitude	Longitude		
Milne Port	Phillip's Creek	71° 52' 53.3" N	80° 56' 04.0" W	212	None
Milne Port	Km 32 Lake	71° 30' 39.5" N	80° 14' 54.4" W	364	
Tote Road	CV128	71° 47' 35.1" N	80° 36' 41.7" W	579.5	None
Tote Road	CV099	71° 38' 21.7" N	80° 22' 46.6" W	110	June-July only during low flow

Property Section	Water Source Name	Water Source Location		Daily Water Take Proposed for Dust Suppression(m ³ /day)	Restrictions
		Latitude	Longitude		
					(<mean flow) years
Tote Road	CV087	71° 34' 10.0" N	80° 19' 41.6" W	90	June-July only during low flow (<mean flow) years
Tote Road	CV078	71° 31' 51.9" N	80° 16' 07.8" W	75	June-July only during low flow (<mean flow) years
Tote Road	Katiktok Lake	71° 23' 45.7" N	79° 48' 22.0" W	318	None
Tote Road	BG50	71° 26' 29.6" N	80° 10' 27.1" W	150	None
Tote Road	BG32	71° 23' 35.1" N	79° 51' 24.9" W	120	June-July only during low flow (<mean flow) years
Tote Road	CV217	71° 23' 51.4" N	79° 48' 50.9" W	130	None
Tote Road	Muriel Lake	71° 22' 18.5" N	79° 39' 24.3" W	212	None
Tote Road	David Lake	71° 19' 38.6" N	79° 22' 57.0" W	132	June-July only during low flow (<mean flow) years
Tote Road	BG17	71° 21' 19.8" N	79° 34' 44.0" W	75	June-July only during low flow (<mean flow) years
Tote Road	CV223 (Tom River)	71° 19' 40.5" N	79° 26' 15.8" W	135	None
Mine Site	Camp Lake	71° 19' 38.6" N	79° 22' 57" W	86	None

Source: Amendment No.1 Type 'A' Water Licence (2AM-MRY1325)

SECTION 7.0 - MATERIALS TO BE SHIPPED OFF THE PROPERTY

7.1 MATERIALS SHIPPED OUT

As required by the Lease, the expected quantities of materials planned to be shipped off site in 2020 are detailed in Table 7-1 below.

Table 7-1: Materials to be shipped out in 2020

Property Section	Equipment/ Material Item	Owner	Estimated Annual Amount of Equipment and Material (tonne)	Estimated Annual Revenue Tonnes
e.g. Milne Port/Mine Site	Description of the equipment or the material*	e.g. BIM/Third Party	Estimated total annual amount of equipment and material (tonne)	Estimated amount of revenue tonnes assigned to the shipping of equipment or material
Milne Port	Batteries	BIMC	89	-
Milne Port	Hydro Carbon Contaminated Material	BIMC	205	-
Milne Port	Waste Oil	BIMC	1,238	-
Milne Port	Waste Fuels	BIMC	91	-
Milne Port	Waste Grease	BIMC	32	-
Milne Port	Waste Hazardous Liquids	BIMC	401	-
Milne Port	Waste Aerosol Canisters	BIMC	2.5	-
Milne Port	Contaminated Containers/Solids	BIMC	319	-
Milne Port	Misc Hazardous Materials	BIMC	250	-

Note: For hazardous waste assumptions used in the calculation of the quantity of generated hazardous waste for the Project, please refer to the Waste Management Plan (BAF-PH1-830-P16-0028).

SECTION 8.0 - MATERIALS TO BE SHIPPED TO THE PROPERTY

8.1 DELIVERY OF FUEL

At least two bulk fuel deliveries will occur during the 2020 sealift. At the onset of the shipping season, arctic diesel and Jet A fuel will be delivered to fill the tanks at the Milne Port tank farm. The anticipated fuel delivery provided in the below Table 8-1.

Table 8-1: Anticipated Fuel Delivery During 2020

	Diesel	Jet A
Total Bulk Fuel Delivery	78 ML	3 ML

8.2 MATERIALS SHIPPED TO THE PROPERTY

Materials, equipment, supplies, buildings and machinery to support construction and operations through 2020 will arrive on the 2020 sea lift include the following items provided below in Table 8-2.

Table 8-2: Mobile and Mechanical Equipment to be received during 2020

Property Section	Material Item	Owner	Quantity	Revenue Tonne
<i>e.g. Milne Port or Mine Site</i>	<i>Description of the material*</i>		<i>Quantity of the material to be shipped to and stored on the Property (including unit of measurement)</i>	<i>Estimated amount of revenue tonnes (mt) assigned to the shipping of material</i>
Mine Site	Feed Convyor	Baffinland	1	230
Milne Port	Generator 1000 kW	Baffinland	1	30
Milne Port	Conveyors	Baffinland	3	120
Milne Port	Jaw crusher unit	Baffinland	1	90
Milne Port	Screeener + Cone crusher unit	Baffinland	1	170
Mine Site	908 Loader	Baffinland	2	140
Mine Site	950 Loader	Baffinland	2	140
Mine Site	D10 Dozer	Baffinland	1	70
Milne Port	374F Excavator	Baffinland	4	80
Mine Site	light plant	Baffinland	10	8
Mine Site	Larue Snow Blower	Baffinland	1	0.5
Mine Site	257 Skid steer	Baffinland	2	30
Mine Site	Blaze Cube Frost Fighters	Baffinland	2	1.6
Mine Site	600kw Generators	Baffinland	2	2
Mine Site	60kw Generator	Baffinland	3	1
Mine /Port	Atlas 1000 mVA Transformers	Baffinland	4	400
Mine Site	740B Water Truck	Baffinland	1	80

Property Section	Material Item	Owner	Quantity	Revenue Tonne
<i>e.g. Milne Port or Mine Site</i>	<i>Description of the material*</i>		<i>Quantity of the material to be shipped to and stored on the Property (including unit of measurement)</i>	<i>Estimated amount of revenue tonnes (mt) assigned to the shipping of material</i>
Mine Site	14M Grader	Baffinland	1	60
Mine Site	Fuel Tanker	Baffinland	1	25
Mine Site	Jet A Truck	Baffinland	1	15
Mine Site	Cube truck	Baffinland	2	4
Mine Site	48p School Bus	Baffinland	2	20
Mine Site	Steam truck	Baffinland	1	17
Mine Site	Track Mounted Drill Rig	Baffinland	2	18
Mine Site	4x4 hotseating bus	Baffinland	2	20
Mine Site	Flat bed boom truck	Baffinland	1	9
Mine Site	CCM200E Concrete Mixer	Baffinland	1	14
Mine Site	Pressure Washing Truck	Baffinland	1	8

In addition to the above noted equipment to be brought to the Project in 2020, there are materials and equipment that will arrive on the 2020 sealift in support of the Phase 2 amendment. These materials consist of large modules, and were previously referred to in the 2018 Work Plan and 2018 Work Plan Addendum as the Expansion Project Equipment and Materials (the 'Modules'). In addition to the Crushing, Screening, Car Dumper, Bulk Material Handling (BMH) Conveyors, and Rail Materials, a Shiploader Module was added to the 2019 Work Plan and ASR. A large quantity of these materials arrived on the 2019 sealift, however there remains equipment and materials that will be mobilized in 2020. Reclamation security remains in place for this equipment, however it is included here for clarity on the scope of the 2020 sealift. While these materials will be constructed following approval of the Phase 2 expansion, they are being mobilized to Site with the understanding that they would need to be backhauled in the event Phase 2 is not approved. To assist with the calculation of reclamation securities, the detailed breakdown of the Modules remaining to be mobilized in 2020 is provided in Table 8-3.

Table 8-3: Expansion Project Equipment and Materials

Module Package	Description	Total Volume (m3)
Shiploader	Shiploader	77,938
	Jetty Travel Gear for Shiploader	2,268
	Landside Travelgear for shiploader (Pivot Point)	1,174
	Lower Part Pivot point for shiploader (to be casted in grouting)	20
Subtotal Shiploader		81,400
BMH Conveyors (Transfer Conveyor)	Corrugated wall panels for tower base	0

Module Package	Description	Total Volume (m3)
BMH Conveyors (Fines Conveyor)	Fines collection conveyor stick built section and Head Chute	0
BMH Conveyors (Stockpile #2 Conveyor)	Drive Station	9,023
	Chute - 4211-CV-001 Head Yard Stockpile #2 conveyor	67
	Chute - 4211-CV-001 Head Yard Stockpile #2 conveyor	183
	Chute - 4211-CV-001 Head Yard Stockpile #2 conveyor	23
	Chute - 4211-CV-001 Head Yard Stockpile #2 conveyor bypass chute	23
	Stockpile Conveyor Chute Platform - shipped in container	0
BMH Conveyors (Shiploader Feed Conveyor)	Drive Station	3,844
Subtotal BMH Conveyors		13,163
Rail Materials	Pandrol Victor Tie Plates (preplated on ties)	764
	Screw Spikes Bags (30/bag)	1,447
	E-Clip Fastener Bags (25kg - 40 bags/pallet)	126
	11" Tie Plates Pallet (300/pallet)	2
	Rail Ties Bundle of 30 ties	11,213
	weld kits (25/ pallet)	171
	Keg track spikes (48/pallet)	3
	joint bar (100/pallet) 136#	3
	Keg bolts & washers (48/pallet)	3
	turnout rail 136# AHH RE	17
	joint bar 115#	10
	HW turnout package ties	150
	TO frog	8
	Sliding Derail	1
	Bumping Post	12
	136# RE RAIL guardrail	3
	Crossing Panel	19
	Timber Screws (1 Pallet)	142
	Rails 25 per bundle	4,059
	115# RE Rail	17
Subtotal Rail		18,172

Additional supplies to support construction and operations through 2020 and 2021 will arrive on the 2020 sea lift include:

- Delivery of ammonium nitrate (AN), up to 12,500 m³ (10,000 tonnes) to be stored on-site in 2020;
- Delivery of pre-packaged explosives, up to 176,000 kg to be stored on-site in 2020;
- Delivery of maintenance parts; and
- Delivery of consumables (lubricants, grease, detergents, boosters, EZ Dets, dry goods, food, household supplies, etc.).

SECTION 9.0 - UPDATES TO ITEMS CONTAINED IN THE SCHEDULES OF THE LEASE

9.1 UPDATES TO THE EMERGENCY RESPONSE PLAN

In accordance with Clause 5.1 item H of the existing Commercial Lease Q13C031, the applicable Emergency Response Plan BAF-PH1-830-P16-0007 and Spill Contingency Plan BAF-PH1-830-P16-0036 have been provided in Appendices of this Work Plan. Please refer to Section 11 for location and details.

9.2 UPDATES TO ENVIRONMENTAL MANAGEMENT AND MONITORING PLANS

All updated Environmental Management and Monitoring Plans were submitted in March 2019 with the Annual Reports, with the exception of the Milne Port Oil Pollution Emergency Plan (OPEP), Spill Contingency Plan, and Emergency Response Plan which were updated in September 2018 in support of the approved 6Mtpa production increase. Note that draft Management Plans submitted through the Project Certificate amendment and Water Licence amendment process for Phase 2 have not been included herein as they remain in draft form and will only be included as final following approval of Phase 2. An extensive list of the current plans for the project is presented in Table 9-1 below.

Table 9-1: Environmental Monitoring and Management Plans

Document Number	Plan Name	Version
BAF-PH1-830-P16-0002	Air Quality and Noise Abatement Management Plan	March 2016
BAF-PH1-830-P16-0006	Cultural Heritage Resource Protection Plan	March 2016
SD-STD-002	Hazard Identification and Risk Assessment Procedure	December 2015
N/A	EHS Framework Standard	March 2014
H337697-0000-01-126-0002	Health and Safety Management Plan	January 2012
SD-SEMP-003	Human Resources Management Plan	December 2010
BAF-PH1-830-P16-0027	Terrestrial Environmental Management and Monitoring Plan	March 2016
BAF-PH1-830-P16-0025	Stakeholder Engagement Plan	March 2016
BAF-PH1-830-P16-0023	Roads Management Plan	March 2019
BAF-PH1-830-P16-0024	Shipping and Marine Wildlife Management Plan	March 2016
N/A	Blasting Management Plan	April 2013
BAF-PH1-830-P16-0004	Borrow Pits and Quarry Management Plan	March 2014
N/A	Borrow Source Management Plan ¹	October 2013
BAF-PH1-830-P16-0030	Borrow Source Management Plan - Kilometer 2	October 2014
BAF-PH1-830-P16-0032	Borrow Source Management Plan - Kilometer 97	October 2014
BAF-PH1-830-P16-0035	Borrow Source Management Plan - Kilometer 104	March 2014
H349000-4200-07-245-0001	Quarry Management Plan D1Q1	October 2013
H349000-4200-07-245-0002	Quarry Management Plan D1Q2	October 2013
BAF-PH1-830-P16-0017	Quarry Management Plan Q1	July 2017
H349000-3000-07-245-0002	Quarry Management Plan Q11	October 2013
H349000-3000-07-245-0003	Quarry Management Plan Q19	October 2013

Document Number	Plan Name	Version
H349000-3000-07-245-0001	Quarry Management Plan Q7	October 2013
BAF-PH1-830-P16-0040	Quarry Management Plan QMR2	July 2017
BAF-PH1-840-P16-0002	Emergency Response Plan	September 2018
BAF-PH1-830-P16-0036	Spill Contingency Plan	September 2018
BAF-PH1-830-P16-0008	Environmental Protection Plan	August 2016
BAF-PH1-830-P16-0010	Fresh Water Supply, Sewage and Wastewater Management Plan	March 2019
BAF-PH1-830-P16-0011	Hazardous Materials and Hazardous Waste Management Plan	March 2017
BAF-PH1-830-P16-0012	Interim Closure and Reclamation Plan	October 2018
BAF-PH1-830-P16-0026	Surface Water and Aquatic Ecosystems Management Plan	March 2019
BAF-PH1-830-P16-0001	Surface Water Sampling Program - Quality Assurance and Quality Control Plan	March 2017
BAF-PH1-830-P16-0039	Aquatic Effects Monitoring Plan	October 2015
BAF-PH1-830-P16-0028	Waste Management Plan	September 2018
BAF-PH1-830-P16-0029	Phase 1 Waste Rock Management Plan	December 2019
BAF-PH1-830-P16-0031	Life of Mine Waste Rock Management Plan	April 2014
N/A	Explosives Management Plan ²	August 2013
BAF-PH1-830-P16-0013	Milne Port Oil Pollution Emergency Plan (OPEP)	September 2018
BAF-PH1-830-P16-0041	Polar Bear Safety Plan	March 2016
BAF-PH1-830-P16-0037	Exploration Spill Contingency Plan	June 2014
BAF-PH1-830-P16-0038	Exploration Closure and Reclamation Plan	July 2014
BAF-PH1-830-P16-0042	Spill at Sea Response Plan	August 2015

NOTES:

¹ Discontinued and incorporated into the March 2014 Borrow Pits and Quarry Management Plan.

² The Explosives Management Plan is a contractor document.

9.3 PROPOSED UPDATES TO THE INTERIM CLOSURE AND RECLAMATION PLAN

The Interim Closure and Reclamation Plan (ICRP) was updated in 2018 (Revision 5, 30 October 2018) and approved by QIA, and has been provided as an appendix to this Work Plan. Baffinland has continued to engage QIA on closure planning, including an update to the ICRP to integrate the Phase 2 proposal into closure planning that is currently under review by QIA, but is not included here and is not to be relied upon until approved by QIA and the approval of the Phase 2 amendment. The ICRP is intended to be an iterative document that will evolve over the life of the mine, and it is recognized that QIA as the land owner will provide valuable input and approval of future versions of the ICRP.

The provision of additional securities for the 2020 Work Plan is allocated as summarized in Table 9-2 below. Further detail can be found in Appendix B.

Table 9-2: Mary River Project Total Closure and Reclamation Security Summary¹ – Revised 2020 Work Plan

	A	B	C	D	E	F	G
	Authorization	Liability	Global Estimate from 2019 Estimate (\$)	2020 Estimate, Including 2019 Reconciliation (\$)	Total 'Global' Estimated Security for 2020 (\$)	Total Posted as of Dec. 31, 2010 (\$)	Marginal Adjustment to be Posted (\$)
					C + D		E - F
1	Type A 2AM- MRY1325	IOL ²	96,438,000	1,372,000	97,810,000	104,687,658	-6,877,658
2		Crown	1,802,000	-	1,802,000	1,448,801	353,199
3		Water	1,387,000	-11,000	1,376,000	-	-
4		Land	96,852,878	1,383,000	98,235,878	-	-
5	<i>Subtotal Type A</i>		<i>98,240,000</i>	<i>1,372,000</i>	<i>99,612,000</i>	<i>106,136,459</i>	<i>-6,524,459</i>
6	Type B Exploration2BE- MRY1421 ³	IOL	165,000	-	165,000	-	165,000
7		Crown	1,082,000	-	1,082,000	1,250,000	-168,000
8		Water	18,000	-	18,000	-	-
9		Land	1,229,000	-	1,229,000	-	-
10	<i>Subtotal Type B Exploration</i>		<i>1,247,000</i>	<i>-</i>	<i>1,247,000</i>	<i>1,250,000</i>	<i>-3,000</i>
11	DFO Security Associated with Ore Dock	IOL ²	-	-	-	-	-
12		Crown	563,000	-	563,000	563,000	-
13		Water	563,000	-	563,000	563,000	-
14		Land	-	-	-	-	-
15	DFO Security Associated with Freight Dock	IOL ²	-	-	-	-	-
16		Crown	4,250,000	-	4,250,000	4,250,000	-
17		Water	4,250,000	-	4,250,000	4,250,000	-
18		Land	-	-	-	-	-
19	<i>Subtotal DFO</i>		<i>4,813,000</i>	<i>-</i>	<i>4,813,000</i>	<i>4,813,000</i>	<i>-</i>
20	AANDC Land Lease 47H/16-1- 2 ⁴	IOL ²	-	-	-	-	-
21		Crown	4,975,000	-	4,975,000	4,975,000	-
22		Water	-	-	-	-	-
23		Land	4,975,000	-	4,975,000	4,975,000	-
24	<i>Subtotal AANDC Land Lease</i>		<i>4,975,000</i>	<i>-</i>	<i>4,975,000</i>	<i>4,975,000</i>	<i>-</i>
25	GRAND TOTAL		105,025,000	1,372,000	110,647,000	117,174,459	

NOTES:

1) Totals rounded to nearest '000 in CAD

2) Security relating to IOL held by Qikiqtani Inuit Association (QIA) under Commercial Lease No. Q13C301

3) As per Mary River Exploration Project Closure and Reclamation Plan (BAF-PH1-830-P16-0038, Rev 1)

5) As per Closure and Reclamation Strategy and Financial Security Estimate for Nunavut Lease #47H/16-1-2 (H349001-2000-07-126-0001, Rev.0)

SECTION 10.0 - REQUESTED AMENDMENTS TO THE PROVISIONS OF THE LEASE

Tote Road Adjustment Notices (TRANS) and Options Exercise Notices (OENs) will be submitted as per Table 3-1, throughout 2020. It is noted that per the Commercial Lease, review of OENs and TRANS outside of the Work Plan will require an associated fee for review.

SECTION 11.0 - ADDITIONAL REPORTS, INFORMATION OR DATA

Additional reports, information or data required to support the 2020 Work Plan are summarized in Table 11-1 below.

Table 11-1: Additional Reports, Information or Data

Title	Organization	Date	Annex
<i>Identify the title of the additional report, information or data to be included with the Annual Work Plan.</i>	<i>Disclose the name of the organization that produced the additional report, information or data.</i>	<i>Include the publish date or reference year to the additional report, information or data.</i>	<i>Identify the Annex letter/number corresponding to the additional report, information or data.</i>
Work Plan Figures - Milne Port - Mine Site - Tote Road	Baffinland	1 November 2019	Appendix A
2020 Marginal Closure and Reclamation Financial Security Estimate, Revision 1	Baffinland	13 January 2020	Appendix B
Interim Closure and Reclamation Plan	Baffinland	BAF-PH1-830-P16-0012	Appendix C
Emergency Response Plan	Baffinland	BAF-PH1-830-P16-0007	Appendix D
Spill Contingency Plan	Baffinland	BAF-PH1-830-P16-0036	Appendix E

Appendix A:

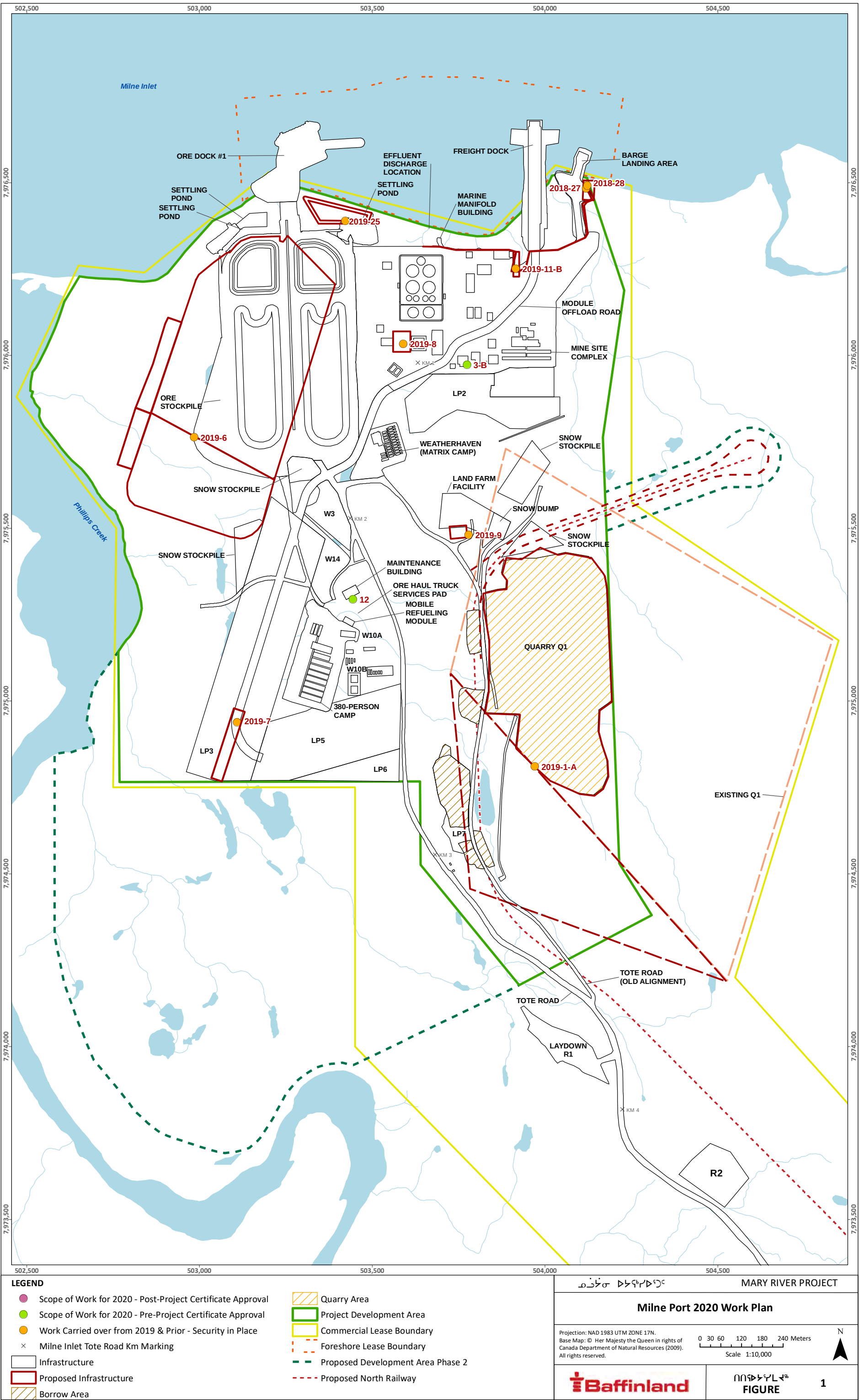
2020 Work Plan Site Layouts

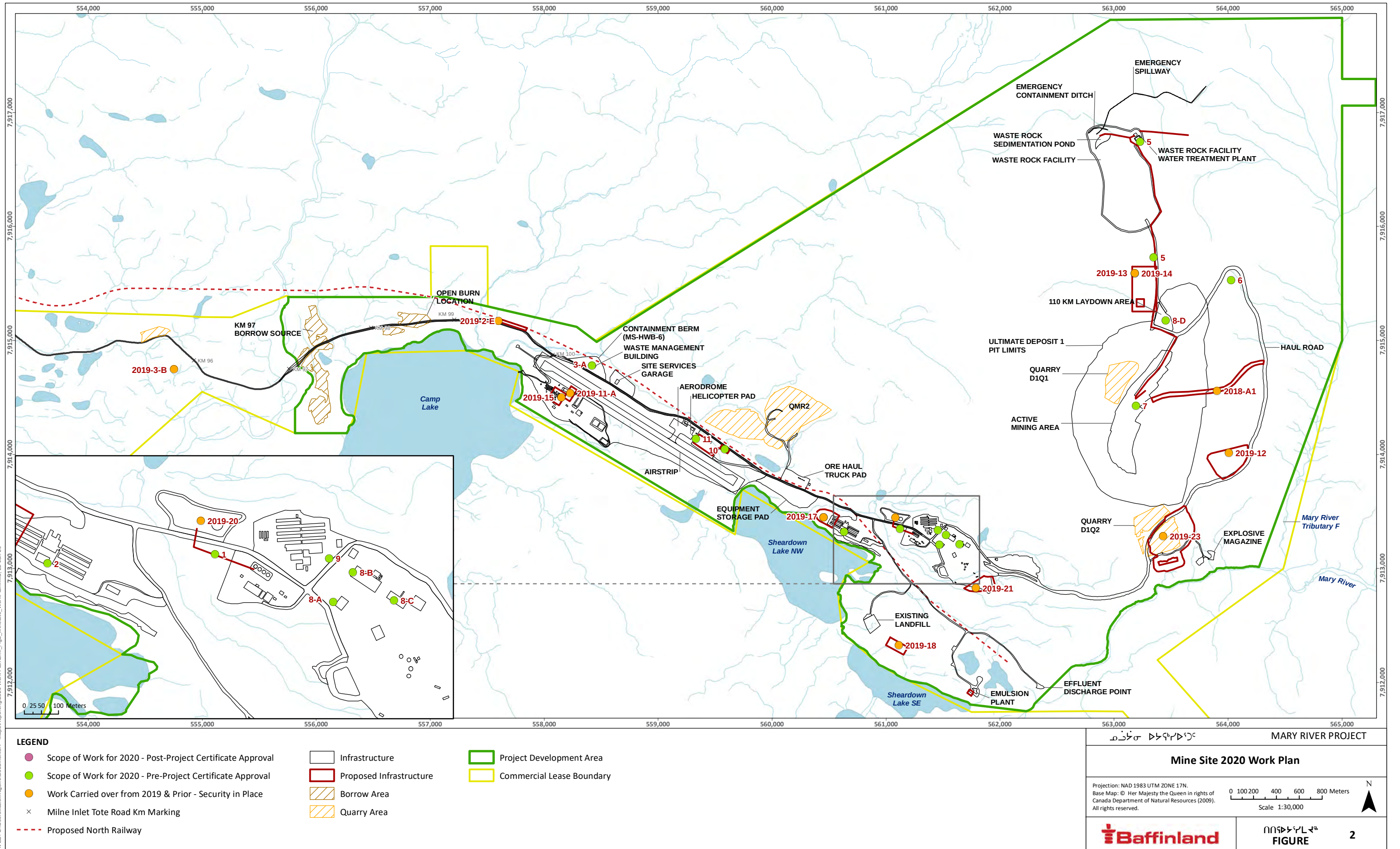
2020 Work Plan – Milne Port Site Layout

2020 Work Plan – Mine Site Layout

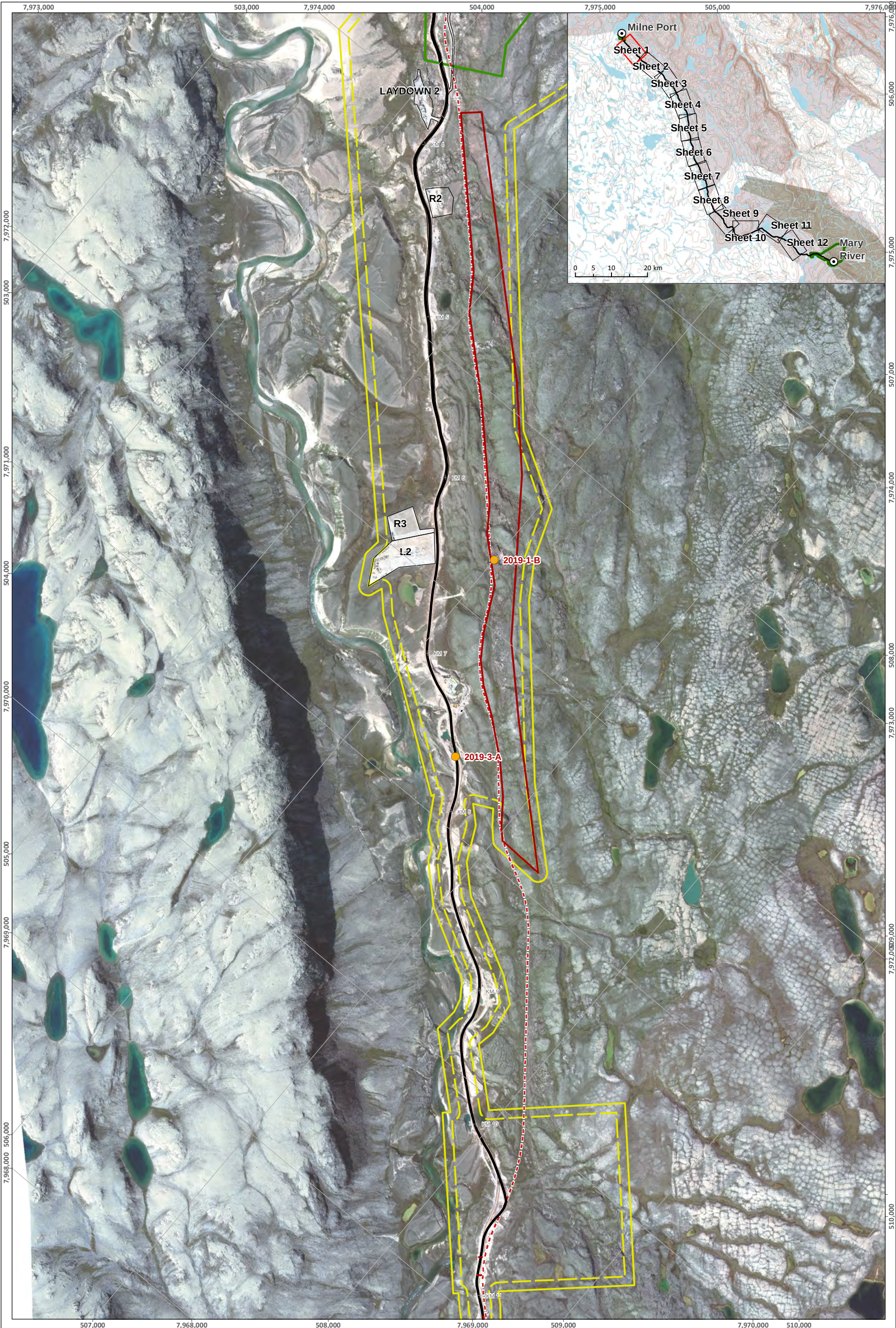
2020 Work Plan – Tote Road

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LEGEND

- Scope of Work for 2020 - Post-Project Certificate Approval
- Scope of Work for 2020 - Pre-Project Certificate Approval
- Work Carried over from 2019 & Prior - Security in Place
- Milne Inlet Tote Road Km Marking
- Milne Inlet Tote Road
- Proposed North Railway
- Tote Road Realignment
- Proposed Infrastructure
- Project Development Area
- Undisturbed 50 m Buffer From Commercial Lease Boundary
- Commercial Lease Boundary

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MARY RIVER PROJECT

Tote Road 2020 Work Plan
(Sheet 1 of 15)

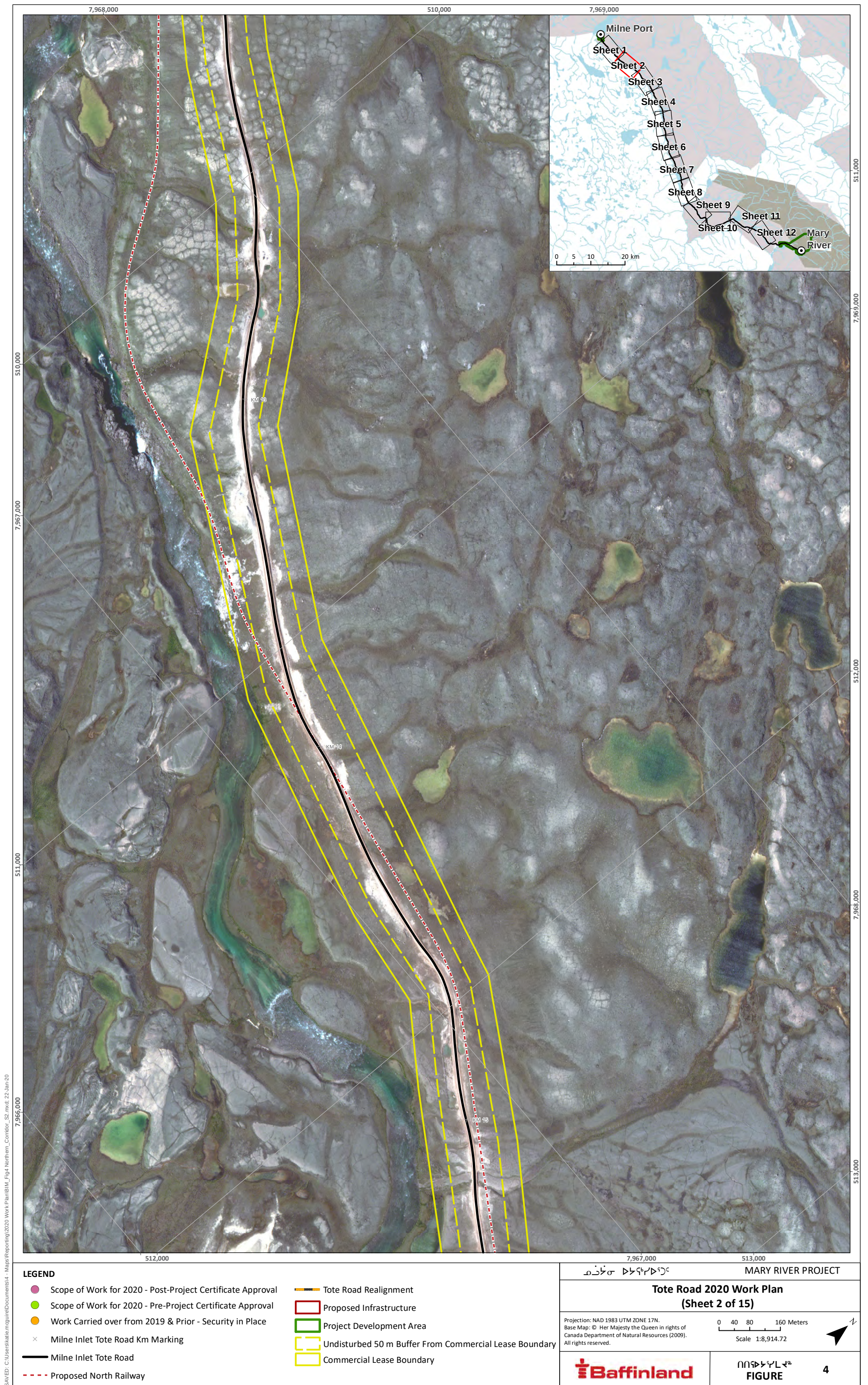
Projection: NAD 1983 UTM ZONE 17N.
Base Map: © Her Majesty the Queen in rights of
Canada Department of Natural Resources (2009).
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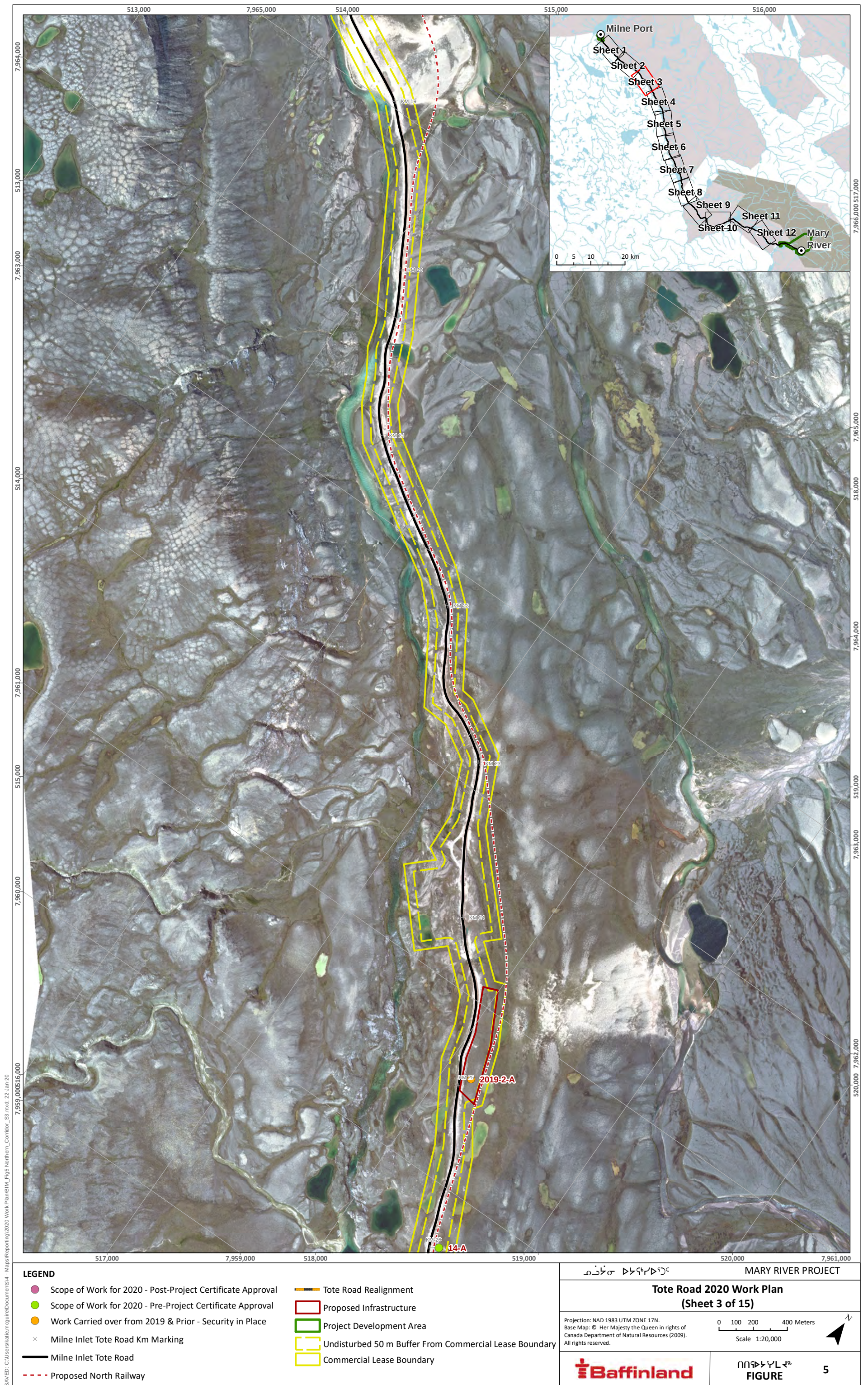
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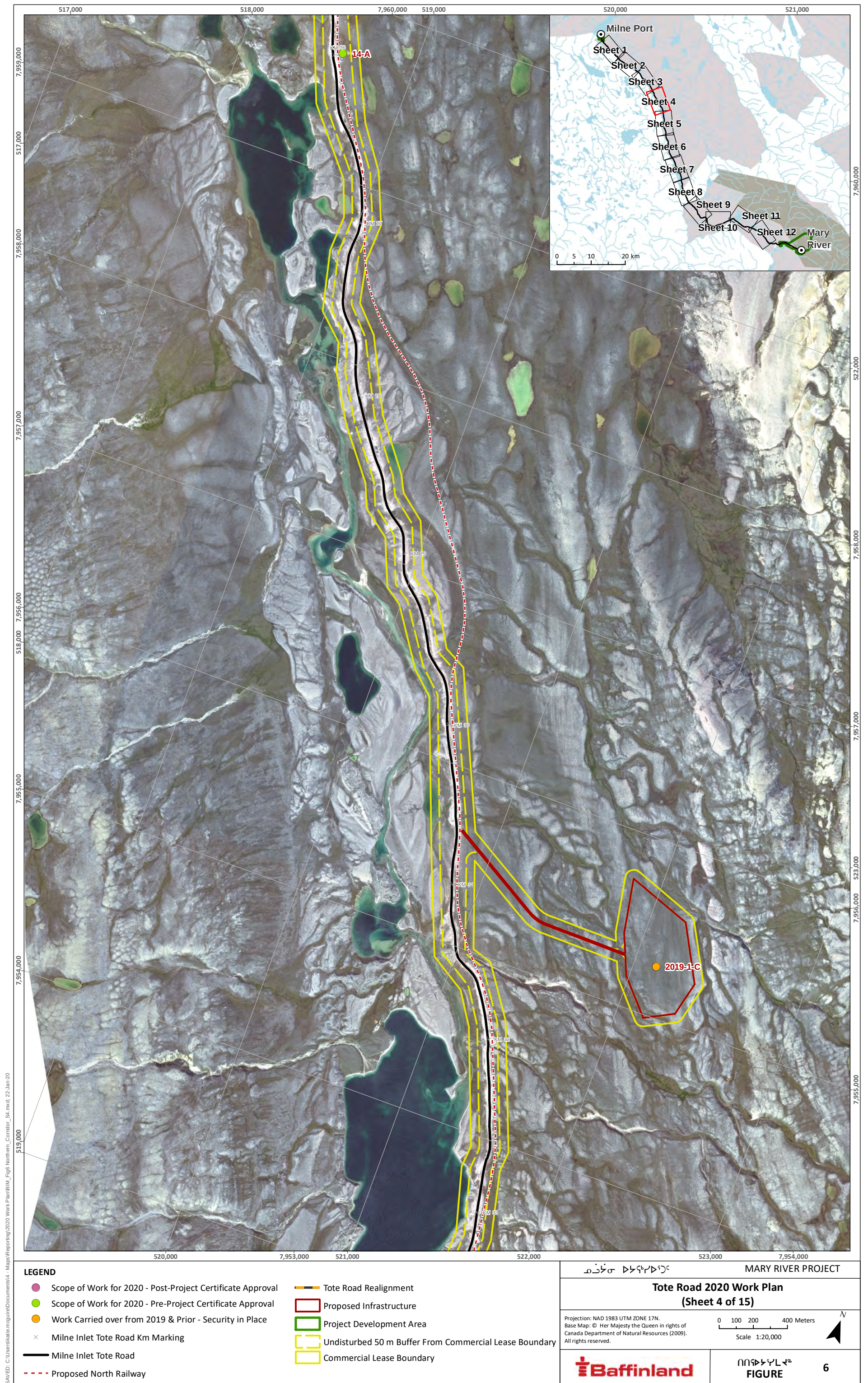


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FIGURE

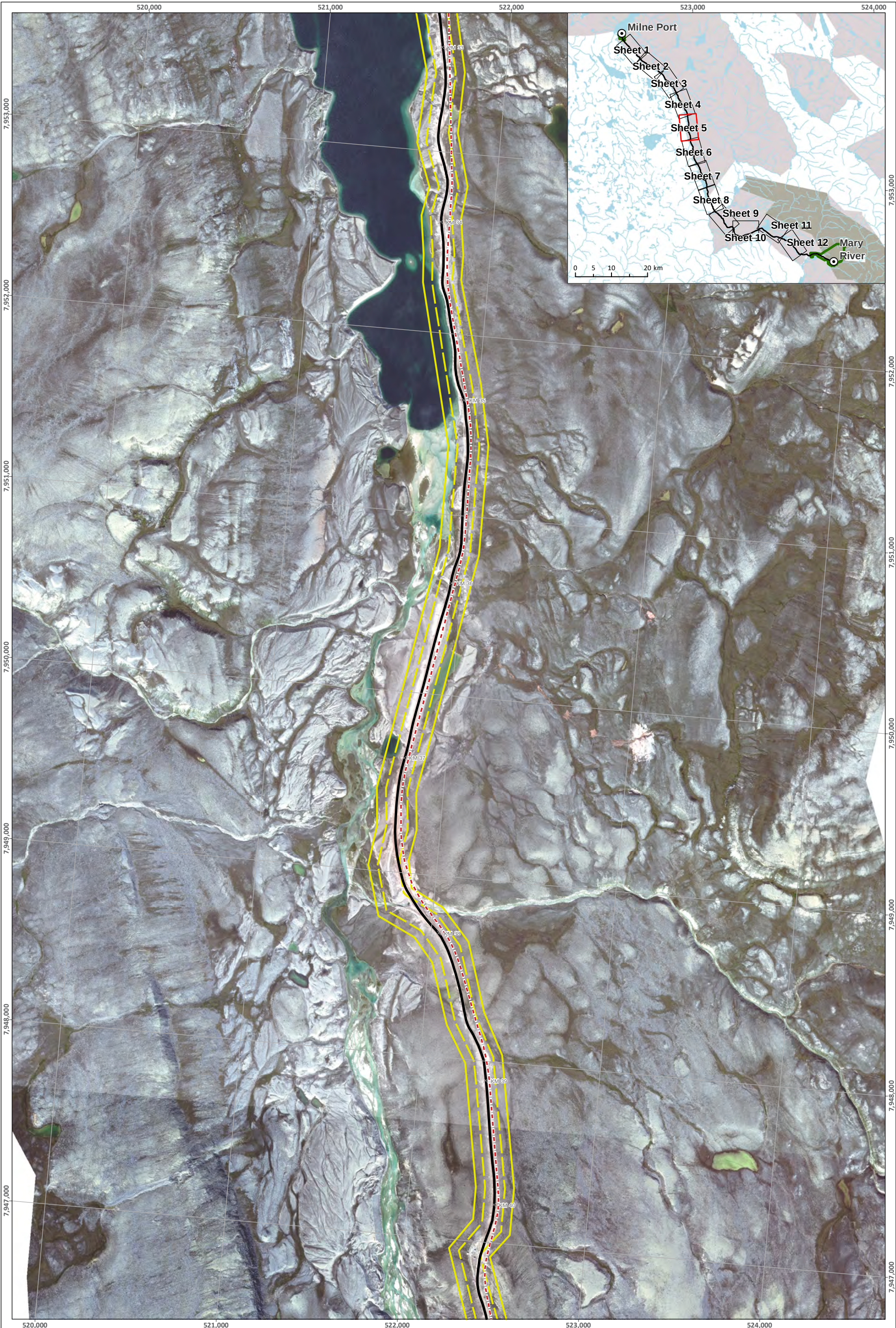
3







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LEGEND

- Scope of Work for 2020 - Post-Project Certificate Approval

Scope of Work for 2020 - Pre-Project Certificate Approval

Work Carried over from 2019 & Prior - Security in Place

×

Milne Inlet Tote Road Km Marking

Milne Inlet Tote Road

Proposed North Railway
- Tote Road Realignment

Proposed Infrastructure

Project Development Area

Undisturbed 50 m Buffer From Commercial Lease Boundary

Commercial Lease Boundary

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MARY RIVER PROJECT

Tote Road 2020 Work Plan
(Sheet 5 of 15)

Projection: NAD 1983 UTM ZONE 17N.
Base Map: © Her Majesty the Queen in rights of
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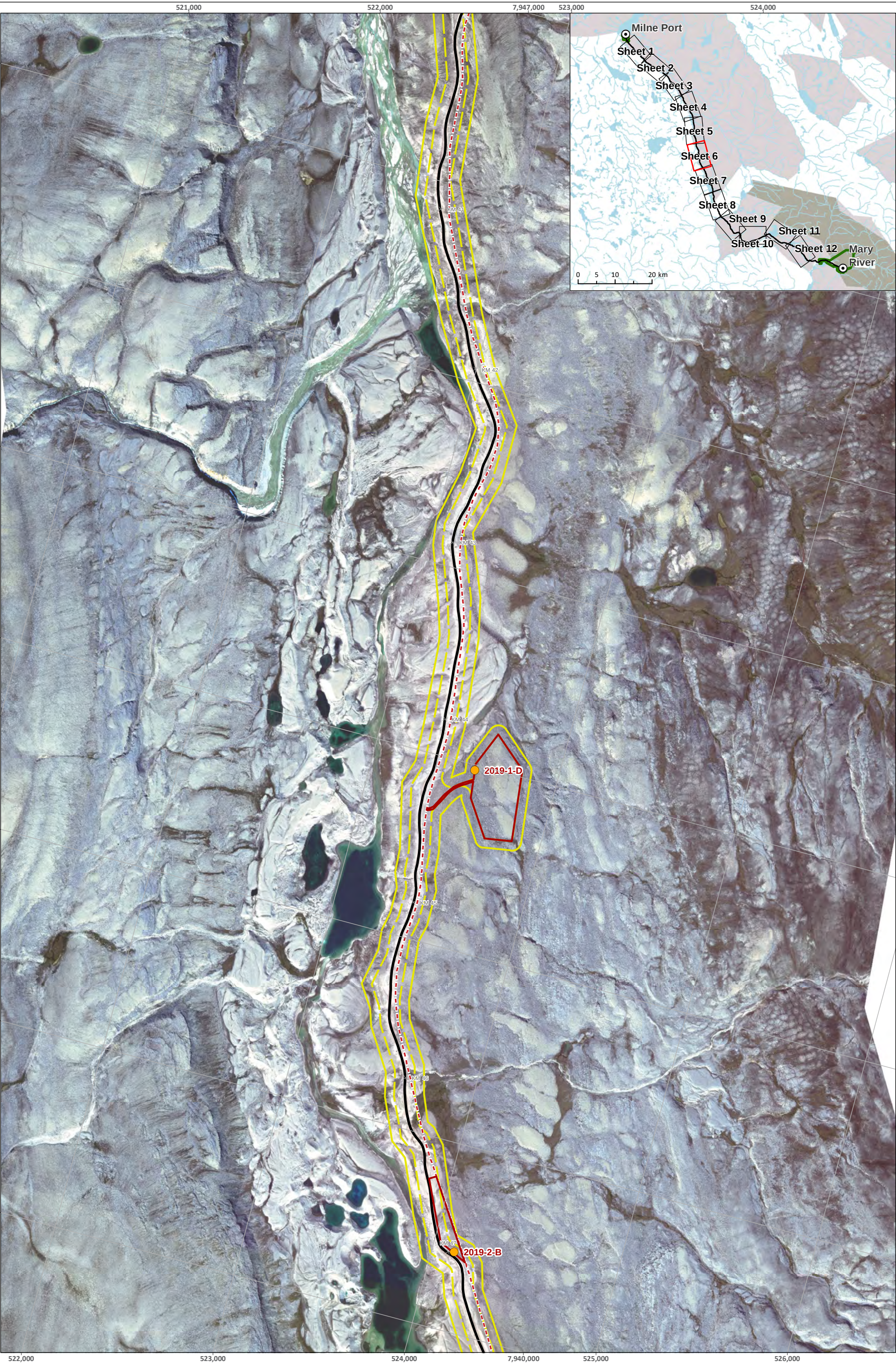
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FIGURE

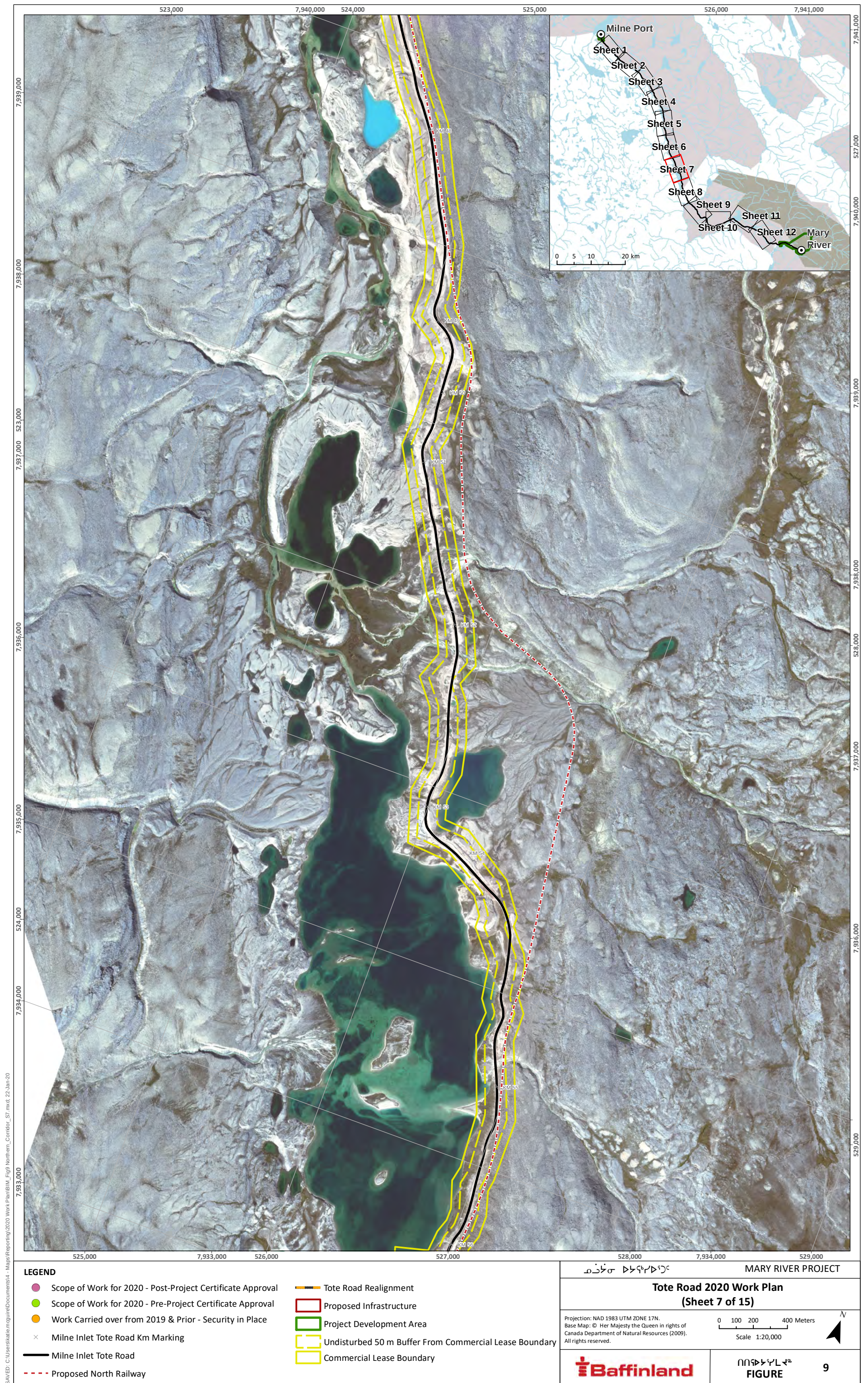
7

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LEGEND		ᑭᓄᓐᓂ ᐃᑭᓐᓂᐃᑦᑕᑦ		MARY RIVER PROJECT	
Scope of Work for 2020 - Post-Project Certificate Approval	Tote Road Realignment	Proposed Infrastructure	Tote Road 2020 Work Plan		
Scope of Work for 2020 - Pre-Project Certificate Approval	Project Development Area	Undisturbed 50 m Buffer From Commercial Lease Boundary	(Sheet 6 of 15)		
Work Carried over from 2019 & Prior - Security in Place	Proposed North Railway	Commercial Lease Boundary	Projection: NAD 1983 UTM ZONE 17N. Base Map: © Her Majesty the Queen in rights of Canada Department of Natural Resources (2009). All rights reserved.		
Milne Inlet Tote Road Km Marking			0 100 200 400 Meters Scale 1:20,000		
Milne Inlet Tote Road					

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FIGURE 8



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LEGEND

- Scope of Work for 2020 - Post-Project Certificate Approval

Scope of Work for 2020 - Pre-Project Certificate Approval

Work Carried over from 2019 & Prior - Security in Place

×

 Milne Inlet Tote Road Km Marking

Milne Inlet Tote Road

- - -

 Proposed North Railway
- Tote Road Realignment

Proposed Infrastructure

Project Development Area

Undisturbed 50 m Buffer From Commercial Lease Boundary

Commercial Lease Boundary

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MARY RIVER PROJECT

Tote Road 2020 Work Plan

(Sheet 8 of 15)

Projection: NAD 1983 UTM ZONE 17N.
Base Map: © Her Majesty the Queen in rights of
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0 100 200 400 Meters

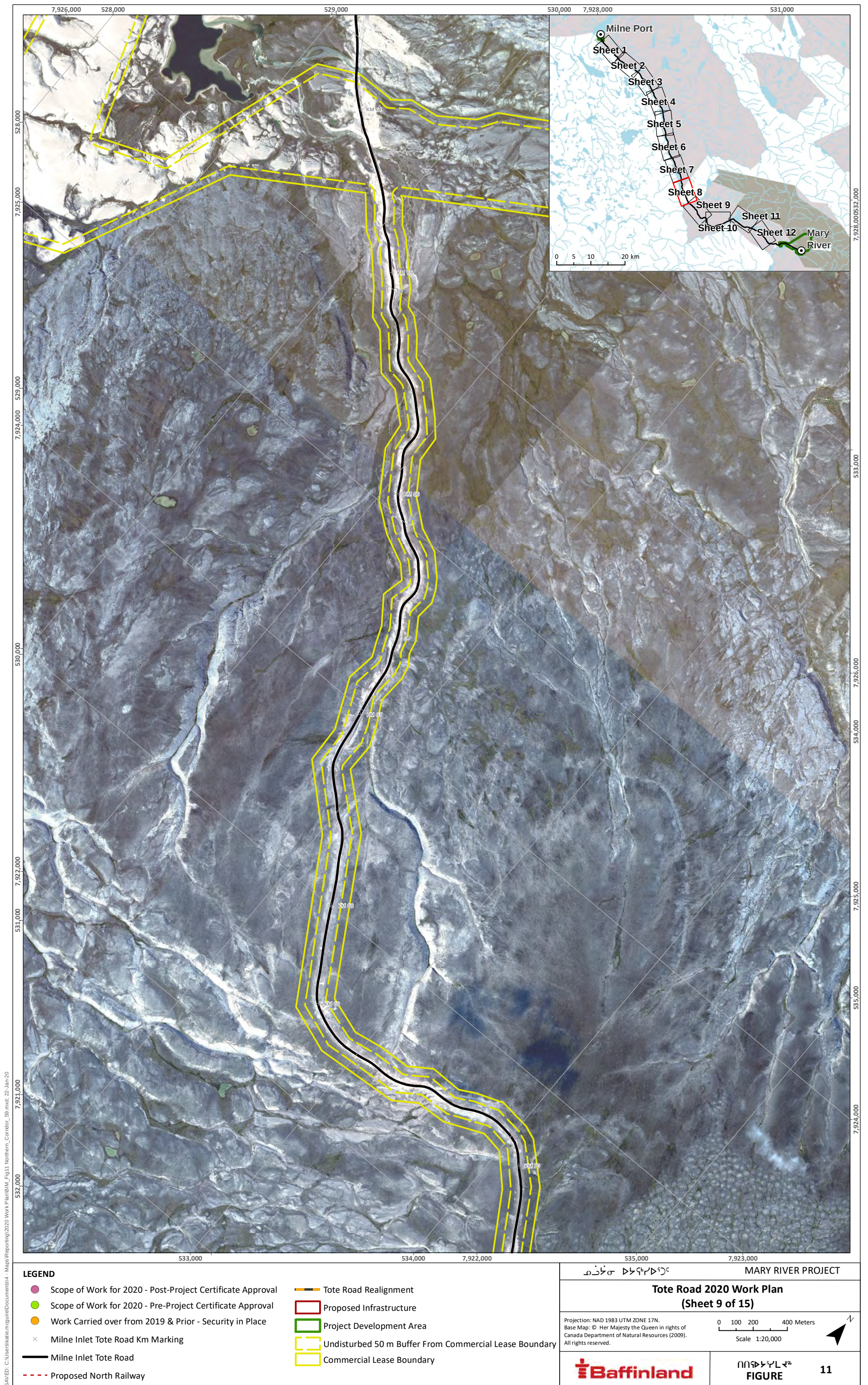
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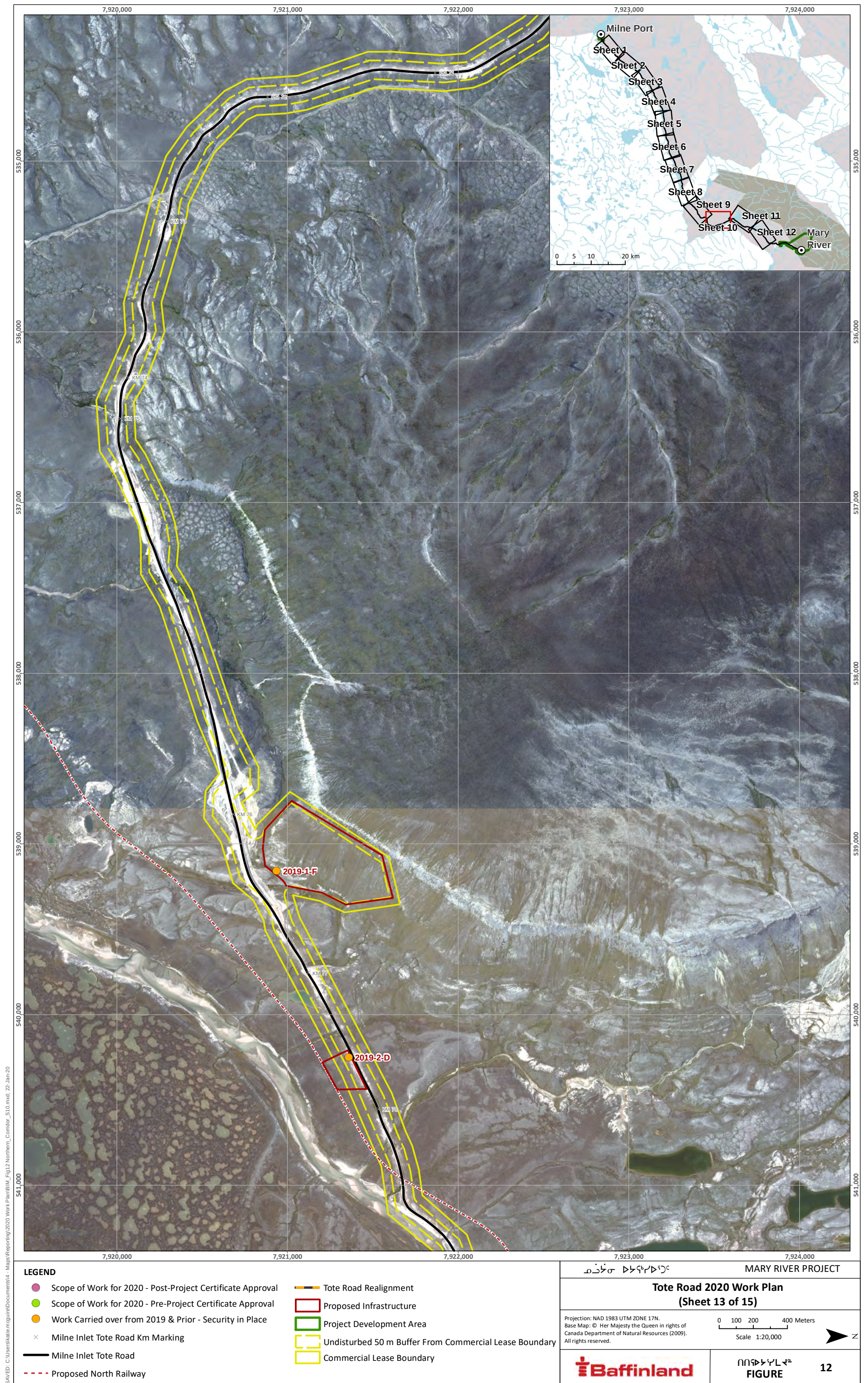
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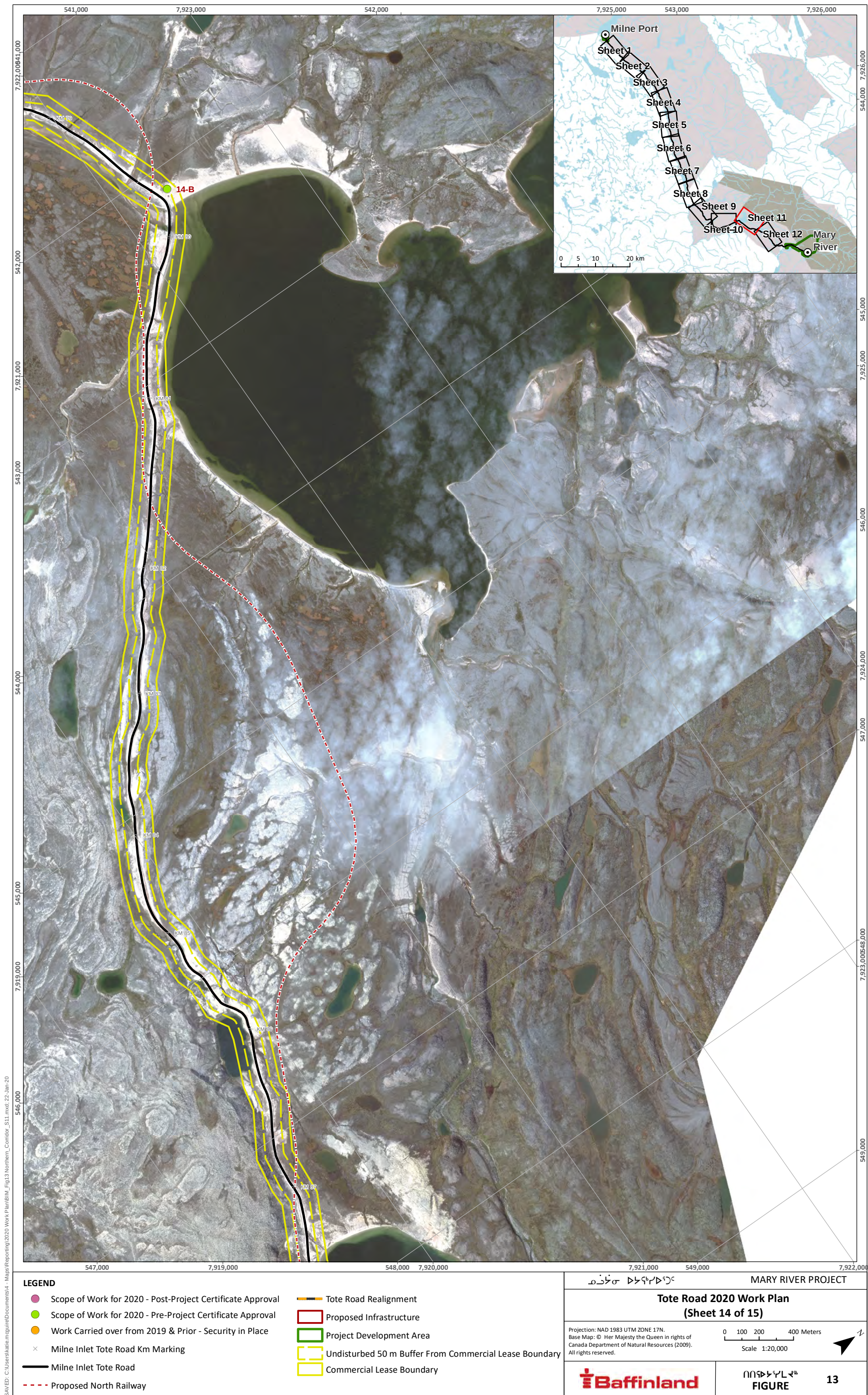
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FIGURE

10







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Appendix B:

2020 Marginal Closure and Reclamation Financial Security Estimate

Provided under separate cover

Appendix C:

Interim Closure and Reclamation Plan (BAF-PH1-830-P16-0012)

Management Plans Not Available in Compressed Version

Appendix D:

Emergency Response Plan (BAF-PH1-840-P16-0002)

Management Plans Not Available in Compressed Version

Appendix E:

Spill Contingency Plan (BAF-PH1-830-P16-0036)

Management Plans Not Available in Compressed Version