# **2023 WORK PLAN**

**DECEMBER 15, 2022** 

# **REV 0**



Dec 15,	0	0 Issued	Sust. Development		Floren	Bui Ru
2022		for Use	Development	M. Lord-Hoyle	T. Eldem	B. Penney
Date	Rev	Status	Prepared By	Check	ed By	Approved By





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#### 1 INTRODUCTION

The following document presents the 2023 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 2023 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 2023 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.

Activities outlined in this 2023 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 2023 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 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 the summer. 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 are not yet finalized;
- 9. Tote Road improvements to address safety concerns, freshet runoff issues, fish passage issues and poor road conditions during the spring and summer periods;





10. Erection of additional maintenance facilities to safely service equipment.



## 2 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 2023 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	005, Amendment No. 004	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
Type A Water Licence, Amendment No. 1	2AM-MRY1325	Nunavut Water Board	10-Jun-25
Type B Water License – Exploration	2BE-MRY2131	Nunavut Water Board	16-Apr-31
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 Amendment 47H/16-1-5	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 Km 104, Km 2, and Km 97	N/A	Qikiqtani Inuit Association	N/A
Fisheries Authorization – Freight Dock	18-HCAA-00160	Fisheries and Oceans Canada	N/A
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
Navigable Waters - Crossings	8200-07-10273, 10267, 10269, 10268, 10274, 10272, 10266, 10271	Transport Canada	Until work completed
Marine Facility	Statement of Compliance of a Marine Facility #1000000660	Transport Canada	27-May-2025
Scientific Permit <sup>1</sup>	02 030 22R-M	Government of Nunavut	31-Dec-22





Permit Name	Permit Number	Regulatory Agency	Expiry
Factory Licence <sup>2</sup>	F1-076068/E	National Resources Canada	-

#### NOTE:

- 1 Held by Baffinland for data collection and analysis for environmental monitoring and management with the Project. 2 Held by Dyno Nobel, the explosives contractor on behalf of the Project.



#### 3 ANNUAL SCOPE OF OPERATIONS AND WORK

Table 3.1 below provides a description of Baffinland's proposed operation and work for 2023, 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 2023 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 as a result of the Sustaining Operations Proposal;
- Modifications to the existing Type 'A' Water Licence 2AM-MRY1325;
- An Option 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; and,
- Authorization or Letter of Advice from DFO for impacts to fish or fish habitat.

Several works identified in the 2022 Work Plan and prior years have been deferred indefinitely, or removed from the current scope of the Project. These works are summarized in Table 3.2.



Table 3.1: Scope of Work for 2023

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit Applications	Other Information
Scope o	f Work fo	r 2023						
2023-1	Mine Site	Impact Area	E562237 N7913070	Water Treatment System at KM 105 Sedimentation Pond	No effect, will occur on developed laydown within Potential Development Area	2023	Security Water License modification, IFC submittal	Layout drawings
2023-2	Mine Site	Impact Area	N7913149 E563603	Expansion of KM 106 stockpile pad to increase road width to accommodate water truck loading area (2,000 m²)	Leveling and grading within Potential Development Area	2023	Security	Layout drawings
2023-3	Mine Site	Impact Area	N7914362 E558333	Lined containment berm and 15,000 L Jet A Tank at the weatherhaven.	No effect, will occur on developed laydown within Potential Development Area	2023	Security, IFC submittal	IFCs
2023-4	Tote Road	Impact Area	Various	Replacement of culverts at fish-bearing streams along the Milne Inlet Tote Road to designs exceeding those in the 2013 ERP design.	Positive environmental effect, focus on improving water management and fish passage	2023	Security Letter of Advice, IFC submittal	IFCs
Work Ca	arried ove	er from Pri						
2022-1	Mine Site	Impact Area	(A) N7912718 E560727 (B) N7912733 E560724	Construction of Landfarm Cell 4 (4,611 m²) and expansion of Cell 3 (1,288 m²).	Leveling and grading within Potential Development Area	2023	Security	None
2022-4	Mine Site	Impact Area	N7913097 E561423	Mobile equipment laydown and tire facility (14,108 m²).	Leveling and grading within Potential Development Area	2023	Security	Layout drawings
2022-10	Mine Site	Impact Area	N7914460 E558050	15,000 L Bulk diesel storage at Weatherhaven to support drilling operations	No effect, will be placed on developed lined containment facility within Potential Development Area	2023	N/A	N/A
2022-12	Mine Site	Impact Area	N7913182 E561074	Construction of new Sedimentation Pond SDLT-1 - 20,678 m² (lined), 58,324 m² (unlined)	Leveling and grading within Potential Development Area	2023	Security, IFC submittal	IFCs
2022-13	Mine Site	Impact Area	N7914459 E563934	Communication tower KM 108	No effect, will occur on developed laydown within Potential Development Area	2023	Security	Layout drawings
2022-15	Mine Site	Impact Area	N7913226 E561516	New building and expansion of Mary River HD Maintenance Shop (878 m <sup>2</sup> )	Leveling and grading within Potential Development Area	2023	Security	None
2022-20	Mine Site	Impact Area	N7914347 E558102	Construction of new Sedimentation Pond Camp Lake (10,000 m²) - lined	Leveling and grading within Potential Development Area	2023	Security IFC submittal	IFCs
2021-8	Milne Port	Impact Area	N7975343 E503420	New thaw and wash bay facility for mobile vehicle maintenance. Footprint of 1,250 m <sup>2</sup> .	No effect, will be placed on developed laydown within Potential Development Area	2023	Security	Layout Drawings
2021-10	Mine Site	Impact Area	N7912392 E560965	Development of Landfill Cell #4	Fill placed on undisturbed tundra, erection of perimeter fencing.	2023	None	IFCs
2021-14	Mine Site	Impact Area	N7914430 E562938	Modification to roadways within the ultimate pit limit of Deposit 1, including pit perimeter road and expansion of the cross cut road. All ground disturbance and road construction within the ultimate Deposit 1 pit limits.	Leveling and grading within Potential Development Area and the ultimate pit limit	2023	None	Layout Drawings



Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit Applications	Other Information
2021-15	Mine Site	Impact Area	(A) N7913312 E561706 (B) N7912785 E562266	Expansion of the area east of the Mine Site workshops and crushing area for improved traffic management - KM 104 to MSC (19,424 m²), KM 104.5 to Crusher (18,308 m²).	Leveling and grading within Potential Development Area	2023	Security Water Licence Modification	IFCs
2021-19	Mine Site	Impact Area	N7915574 E564180	Explosives plant secondary storage location TBD (20,000 m <sup>2</sup> - laydown grade and recontour)	Leveling and grading within Potential Development Area	2023	Security NRCan Approval	Layout Drawings
2020-4	Mine Site	Impact Area	N7916744 E5 63228	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 <sup>3</sup> .	Leveling and grading within Potential Development Area	2023	Security Water Licence Modification	IFCs
2020-7	Mine Site	Impact Area	N7914428 E5 63192	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	2023	None	IFCs
2020-8	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 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 m <sup>2</sup> MR Shop - 120 m <sup>2</sup> Wash Bay - 120 m <sup>2</sup> 110 Laydown - 144 m <sup>2</sup>	Lined area on developed laydown within the Potential Development Area	2023	Security Water Licence Modification OEN	IFCs
2020-13	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 Early Revenue Phase design.	Positive environmental effect, focus on improving water management and fish passage	2023	None - Security in Place	N/A
2019-3	Tote Road	Impact Area	(A) KM8 N7971327 E506536 (B) KM97 N7914750 E554750	Grade adjustments at KM 8 and KM 97 to improve safety and drainage. No new culvert installations required.	Leveling and grading within Potential Development Area.	2023	TRAN	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	2023	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	2023	OEN Water Licence Modification	IFCs
2019-15	Mine Site	Impact Area	N7914500 E558150 (13,800 m2)	Decommissioning and repurposing of Weatherhaven structures for storage and workspace.	No effect, will occur on developed laydown within Potential Development Area	2023	None	Layout drawing(s)



Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit Applications	Other Information
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 m <sup>2</sup> . Disturbed area included in 2018 Addendum, new lined area requires security allocation.	Leveling and grading within Potential Development Area. Area already allocated as disturbed.	2023	Water Licence Modification No. 10 (Approved) Security in place Notification to NWB	IFCs
2018-27	Milne Port	Impact Area	N7976483 E504119	Relocation of effluent discharge point to barge offload area	Positive effect. Reduced environmental spill risk.	2023	Water Licence Modification No. 7 (Approved)	IFCs
Progres	sive Recla	mation						
	Milne Port	-	N7975568 E503745	Management of hydrocarbon impacted soils within the existing landfarm facilities.	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	Ongoing	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 KM 97	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



Table 3.2: Scope of Work Removed from the Current Scope of the Project

Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit Applications	Other Information
Scope o	f Work Re	moved fro	m the Current	t Scope of the Project				
2022-2	Mine Site	Impact Area	N7912959 E5630983	Ore Stockpiling area at KM 105.5 (114,847 m2)	Leveling and grading within Potential Development Area	2023	Security	None
2022-3	Mine Site	Impact Area	(A) N7912740 E562483 (B) N7912825 E562090	Expansion to KM 105 Equipment Laydown east (27,509 m2) and west (36,332 m2)	Leveling and grading within Potential Development Area	2023	Security	Layout drawings
2022-5	Mine Site	Impact Area	N7915327 E563264	New Fuel tank (250,000L) to be mobilized on existing pad KM110.5.	Leveling and grading within Potential Development Area	2024	Security	Layout drawings
2022-6	Mine Site	Impact Area	(A) N7914411 E562618 (B) N7914082 E563981 (C) N7914060 E563600 (D) N7915942 E563665	Construction of a West perimeter road to bypass pit (74,577 m2), 510 Hillside Road (11,423 m2), 470 Hillside Road (2,429 m2) and Bypass road from cross-cut road towards waste dump(24,534 m2).	Leveling and grading within Potential Development Area	2023	Security	Layout drawings
2022-11	Mine Site	Impact Area	N7915411 E563242	Installation of Power Distribution cabling from the new KM110 building to the Mine water treatment facility (500m)	No effect, will be placed on developed laydown within Potential Development Area	2022	Security	None
2022-14	Mine Site	Impact Area	N7913383 E560600	Construction of a new COVID-19 PCR testing lab building at the Mine Site.	No effect, will occur on developed laydown within Potential Development Area	2022	Security	None
2022-16	Mine Site	Impact Area	N7916685 E563277	Expansion to the Water Treatment Plant Pad (10,500 m2)	Minor leveling and grading within Potential Development Area	2023	Security	None
2022-17	Milne Port and Mine Site	Impact Area	(A) Mine Site - N7915165 E556824 (B) Milne Port - N7973585 E504524	Enhancement of training grounds for the Emergency Response Team with fire retardent infrastructure and secondary spill containment.	Minor leveling and grading within Potential Development Area	2022	Security	None
2022-18	Milne Port and Mine Site	Impact Area	(A) Mine Site - N7914557 E558095 (B) Milne Port - N7976001 E503826	Addition of offices/ trailers at the Environment Department work areas.	No effect, will occur on developed laydown within Potential Development Area	2022	Security	None
2022-19	Milne Port	Impact Area	N7976055 E503688	Installation of Power Distribution cabling and distribution equipment for a new service from the Port Power house area to CV-001 on the shiploader.	No effect, will be placed on developed laydown within Potential Development Area	2022	Security	None
2022-20	Mine Site / Milne Port	Impact Area	N7914347 E558102	Construction of new Sedimentation Pond Camp Lake (10,000 m2) - lined	Leveling and grading within Potential Development Area	2022	Security IFC submittal	IFCs



Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit Applications	Other Information
2021-1	Mine Site	Impact Area	(A) N7913243 E561233 (B) N7913358 E561547	Installation of power distribution cabling at the Mine Site facilities, including; a) Mary River Powerhouse to Dyno Nobel explosives facility (500 m) b) Mary River E-House 3 to KM 104 laydown (300 m)	No effect, will be placed on developed laydown within Potential Development Area	2022	Security	None
2021-2	Milne Port	Impact Area	N7975847 E503630	Construction of new warehouse facility (seacan tent structure) on laydown LP2 <u>x 1127 m2</u>	No effect, will be placed on developed laydown within Potential Development Area	2022	Security	None
2021-3	Milne Port	Impact Area	N7976579 E503313	Construction of offices and workshops at the stockpile and shiploader (x 208 m2)	No effect, will be placed on developed laydown within Potential Development Area	2022	Security	None
2021-5	Mine Site	Impact Area	(A) Mine Site - N7914254 E559146 (B) Milne Port - N7975987 E503795	Construction of one (1) quonset hut structure at the aerodrome, and one (1) quonset hut structure adjacent to the Milne Port Fire Hall for emergency equipment storage. (assumed each 100 m2)	No effect, will be placed on developed laydown within Potential Development Area	2022	Security	None
2021-12	Mine Site	Impact Area	N7913305 E560832	Relocation of the Mine Site Complex (MSC) sewage treatment plant to be in line with the Sailiivik Camp sewage treatment plant.	No effect, will be placed on developed laydown within Potential Development Area	2022	None	Layout Drawings
2021-13	Milne Port	Impact Area	N7976464 E504126	Desalination Plant	No effect, will be placed on developed laydown within Potential Development Area	2022	Security Water Licence Modification	IFCs
2021-16	Mine Site	Impact Area	N7913479 E561406	Expansion of MSC laydown for vehicle parking (5,243 m2).	Leveling and grading within Potential Development Area	2023	Security	Layout Drawings
2021-17	Mine Site	Impact Area	(A) N7913688 E563838 (B) N7914037 E564237	Construction of three (3) laydown areas for road aggregate storage on the mine haul road 106 Km (4,843 m2), 107 Km (2,159 m2)	Leveling and grading within Potential Development Area	2023	Security	Layout Drawings
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.	2022	Security	IFCs
2020-2	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	2022	Security	Layout drawings
2020-3	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	2022	Security Water Licence Modification	IFC's
2020-10	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 <sup>2</sup> .	Leveling and grading within Potential Development Area	2022	Security	Layout Drawings
2020-14	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.	2022	Security	Layout drawings



Item No.	Property Section	Land Use Area	Approximate Location	Description	Description of Effect on Feature(s)	Anticipated Completion Year	Required Permit Applications	Other Information
2019-1- A	Milne Port	Impact area	(A) Q1 - N7974810 E503970	Development of quarry Q1	Leveling and grading within Potential Development Area and Tote Road	2022	Quarry Management Plans	Surveys
2019-1- E	Tote Road	Impact Area	(E) PQ6A - N7929733 E528240 (194,000 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	2022	Quarry Management Plans	Surveys
2019-2- C	Tote Road	Impact Area	(C) Laydown 9 -N7929681 E527833 (92,500 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 waterbodies. The laydowns will be constructed of 500 mm thickness quarried rock with granular surfacing, free draining to appropriate ditches and water courses. All laydowns to cover approximately 2 ha, with one laydown at km 7 laydown covering approximately 7.5 ha.	Leveling and grading within Potential Development Area	2022	OEN (Approved)	Layout Drawing(s)
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	2022	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	2022	None - on existing disturbed area	Layout Drawing(s)
2019-8	Milne Port	Impact Area	N7976033 E503590 (4,180 m2)	Construction of new warehouse facility (seacan tent structure) on laydown LP2 x 1127 m2	No effect, will occur on developed laydown within Potential Development Area	2022	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	2022	None	Layout drawing(s)
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 <sup>2</sup> to accommodate additional support offices and buildings.	Leveling and grading within Potential Development Area	2022	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 m², including approximately 500 m² for a new fire hall and emergency response building.	No effect, will occur on developed laydown within Potential Development Area	2022	None	Layout drawing(s)
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	2022	Phase 2 Project Certificate	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	2022	Water Licence Modification No. 9 (Approved) Submission of IFC Drawings (Submitted)	IFCs
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.	2022	Water Licence Modification No. 7 (Approved)	Layout drawing



# 3.1 INFRASTRUCTURE LAYOUT AT END OF 2023

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



#### 4 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 2023 are included within the scope of the Type 'B' Water Licence, with the exception the Eqe 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 2023 have not yet been finalized. However, as a minimum, activities will include:

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

Operation of the Steensby Inlet Camp and Mid Rail Camp are not at this time anticipated to be required during 2023. A new exploration camp at the Eqe 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 2023 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 2023 is provided in Table 4.1 below.



Table 4.1: Mine Forecast 2023

Month	Ore Mined (wmt)	Waste Mined (wmt)	Total Mined (wmt)
January	514,100	462,700	976,900
February	459,400	455,900	915,300
March	593,700	350,200	943,900
April	568,700	301,700	870,400
May	561,000	371,700	932,700
June	488,800	380,600	869,400
July	478,600	359,000	837,600
August	475,100	400,600	875,700
September	440,100	382,600	822,800
October	365,000	455,000	820,000
November	548,100	272,800	821,000
December	516,900	393,600	910,500
Total	6,009,500	4,586,400	10,596,200

## 4.3 AMOUNT AND TYPE OF ORE TO BE SHIPPED EACH MONTH

Ore shipping during 2023 will occur between July and November. The expected total shipping quantities for 2023 are shown in Table 4.2 below.





**Table 4.2: Ore Shipping Forecast 2023** 

	Lump Ore Sh	ump Ore Shipped (wmt) Fines Shipped (w		Fines Shipped (wmt)		ped (wmt)
Month	Milne Inlet	Steensby Inlet	Milne Inlet	Steensby Inlet	Milne Inlet	Steensby Inlet
January	-	-	-	-	-	-
February	-	-	-	ı	-	-
March	-	-	-	-	-	-
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	-	-	365,800	-	365,800	-
August	292,600	-	1,901,900	-	2,194,500	-
September	438,900	-	1,609,300	-	2,048,200	-
October	1,389,900	-	-	-	1,389,900	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
Total	2,121,400	-	3,877,000	-	5,998,400	-

#### 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 2023 are provided in Table 4.3, below. The expected quarterly quantities of each specified substance per quarry site and borrow location is also provided 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: 2023 Quarry and Borrow Pit Quantities

Quarry Summary	Km Location	Permitted	Q1	02	63	04	Total	Estimated Breakdown Of Specified Substances
	UNITS		m³	m³	m³	m³	m³	
Q1	1	Permitted	ı	20,000	40,000	20,000	80,000	Rock
Q5	4	Proposed	-	-	-	=	-	Rock
Q7	7	Permitted	-	-	-	-	-	Rock
Q11	21	Permitted	-	-	-	-	-	Rock
Q19	93.5	Permitted	-	-	-	-	-	Rock
QMR2	102	Permitted	-	-	-	-	-	Rock
Km 2	2	Permitted	-	-	-	-	-	Granular
Km 97	97	Permitted	15,000	15,000	-	=	30,000	Granular
Total	-	-	-	-	-	-	-	-

#### Notes:

<sup>1.</sup> 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.

<sup>2.</sup> 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.

<sup>3.</sup> It is noted D1Q1 and D1Q2 will also be used as a source of aggregate 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.



## 5 ANNUAL QUANTITIES OF SOLID WASTE

#### 5.1 SOLID WASTE DISPOSAL

The expected annual quantity of solid wastes to be deposited during 2023 is established from survey volumes measured in 2015 through 2022, as well as an analysis of proposed activities. Estimated quantities of solid waste to be deposited in approved waste storage areas are shown in Table 5.1 below.

Table 5.1: Annual Volume of Solid Waste to be Deposited in Waste Storage Areas in 2023

Property Section	Waste Storage Area	Volume of Solid Waste to be disposed of (m³)
e.g. Milne Port/Tote Road/Mine Site	-	-
Mine Site	Landfill	10,000
	Total	10,000



#### **6** 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. 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 (m³)	
Milne Port	Phillips Creek (Summer)	71° 52' 53.3" N 80° 56' 04.0" W	134,130 m³/year	
(Milne Inlet)	Km 32 (Winter)	71° 30′ 39.5″ N80° 14′ 54.4″ W	134,130 m²/year	
Mine Site (Mary River)	Camp Lake	71° 19' 38.6" N 79° 22' 57" W	240,000 m³/year	
Steensby Port	ST 347 km Lake	N/A	0 3/	
(Steensby Inlet)	3 km Lake N/A		0 m³/year	
	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 m<sup>3</sup>/day to a maximum of 547,500 m<sup>3</sup> 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.

Table 6.2: Water Use for Dust Suppression

B	Water	Water Sou	rce Location	Daily Water Take	
Property Section	Source Name	Latitude	Longitude	Proposed for Dust Suppression(m³/day)	Restrictions
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	None
Tote Road	CV128	71° 47′ 35.1″ N	80° 36′ 41.7″ W	580	None
Tote Road	CV099	71° 38′ 21.7″ N	80° 22′ 46.6″ W	110	June-July only during low flow ( <mean flow)<br="">years</mean>
Tote Road	CV087	71° 34′ 10.0″ N	80° 19′ 41.6″ W	90	June-July only during low flow ( <mean flow)<br="">years</mean>



	Water	Water Sou	rce Location	Daily Water Take	
Property Section	Source Name	Latitude	Longitude	Proposed for Dust Suppression(m³/day)	Restrictions
Tote Road	CV078	71° 31′ 51.9″ N	80° 16′ 07.8″ W	75	June-July only during low flow ( <mean flow)<br="">years</mean>
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	130	June-July only during low flow ( <mean flow)<br="">years</mean>
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)<br="">years</mean>
Tote Road	BG17	71° 21′ 19.8″ N	79° 34′ 44.0″ W	75	June-July only during low flow ( <mean flow)<br="">years</mean>
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).



## 7 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 2023 are detailed in Table 7.1 below.

Table 7.1: Materials to be Shipped Out in 2023

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	83	83
Milne Port	Hydrocarbon Contaminated Material	ВІМС	191	191
Milne Port	Waste Oil	BIMC	1150	1150
Milne Port	Waste Fuels	BIMC	85	85
Milne Port	Waste Grease	BIMC	30	30
Milne Port	Waste Hazardous Liquids	BIMC	373	373
Milne Port	Waste Aerosol Canisters	BIMC	2.4	2.4
Milne Port	Contaminated Containers/Solids	BIMC	297	297
Milne Port	Misc Hazardous Materials	ВІМС	233	233

#### 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).



#### 8 MATERIALS TO BE SHIPPED TO THE PROPERTY

#### 8.1 DELIVERY OF FUEL

At least two bulk fuel deliveries will occur during the 2023 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 2023** 

	Diesel	Jet A
Total Bulk Fuel Delivery	63 ML	2.2 ML

#### 8.2 MATERIALS SHIPPED TO THE PROPERTY

Materials, equipment, supplies, buildings and machinery to support construction and operations through 2023 will arrive on the 2023 sea lift include the following items provided below in Table 8-2.

Table 8.2: Mobile and Mechanical Equipment to be Received During 2023

Property Section	Material Item	Owner	Quantity	Revenue Tonne
e.g. Milne Port or Mine Site	Description of the material*		Quantity of the material to be shipped to and stored on the Property (including unit of measurement)	Estimated amount of revenue tonnes (mt) assigned to the shipping of material
Mine Site	Runway Traffic Control Gate Arms	Baffinland	2	2
Mine Site	Large Water Pump	Baffinland	2	2
Mine Site	15,000 L Bulk Fuel Tank	Baffinland	2	30
Mine Site	Diamond Drill	Cyr Drilling	1	34
Mine Site	Water Treatment System for KM105 Pond	Baffinland	1	140

Additional supplies to support construction and operations through 2023 will arrive on the 2023 sea lift include:

- Delivery of ammonium nitrate (AN), up to 4,844,000 kg to be stored on-site in 2023;
- Delivery of maintenance parts; and
- Delivery of consumables (lubricants, grease, detergents, boosters, EZ Dets, dry goods, food, household supplies, etc.).

No pre-packaged explosives are currently planned to be brought to site in 2023.



#### 9 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 2022 with the Annual Reports. 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	Current Revision Date
BAF-PH1-300-P16-0002	Snow Management Plan	Mar-22
BAF-PH1-830-P16-0001	Surface Water Sampling Program - Quality Assurance and Quality Control Plan	Mar-22
BAF-PH1-830-P16-0002	Air Quality and Noise Abatement Management Plan	Apr-21
BAF-PH1-830-P16-0004	Borrow Pit and Quarry Management Plan	Mar-14
BAF-PH1-830-P16-0006	Cultural Heritage Resource Protection Plan	Mar-16
BAF-PH1-830-P16-0008	Environmental Protection Plan	Apr-21
BAF-PH1-830-P16-0010	Fresh Water Supply, Sewage and Wastewater Management Plan	Mar-22
BAF-PH1-830-P16-0011	Hazardous Materials and Hazardous Waste Management Plan	Mar-22
BAF-PH1-830-P16-0012	Interim Closure and Reclamation Plan	Oct-18
BAF-PH1-830-P16-0013	Oil Pollution Emergency Plan - Milne Inlet (OPEP)	May-21
BAF-PH1-830-P16-0017	Q1 Quarry Management Plan	Feb-22
BAF-PH1-830-P16-0023	Roads Management Plan	Feb-20
BAF-PH1-830-P16-0024	Shipping and Marine Wildlife Management Plan	July-22
BAF-PH1-830-P16-0025	Community and Stakeholder Engagement Plan	Mar-16
BAF-PH1-830-P16-0026	Surface Water and Aquatic Ecosystems Management Plan	Mar-21
BAF-PH1-830-P16-0027	Terrestrial Environmental Management and Monitoring Plan	Mar-16
BAF-PH1-830-P16-0028	Waste Management Plan	Mar-20
BAF-PH1-830-P16-0029	Phase 1 Waste Rock Management Plan	June-20
BAF-PH1-830-P16-0030	Borrow Source Management Plan – Kilometre 2	Oct-14
BAF-PH1-830-P16-0031	Life of Mine Waste Rock Management Plan	Apr-14
BAF-PH1-830-P16-0032	Borrow Source Management Plan - Kilometre 97	Oct-14
BAF-PH1-830-P16-0035	Borrow Source Management Plan - Kilometre 104	Mar-14
BAF-PH1-830-P16-0036	Spill Contingency Plan	Feb-21
BAF-PH1-830-P16-0037	Exploration Spill Contingency Plan	Jan-21
BAF-PH1-830-P16-0038	Exploration Closure and Reclamation Plan	Jan-21
BAF-PH1-830-P16-0039	Aquatic Effects Monitoring Plan	Mar-22



Document Number	Plan Name	Current Revision Date
BAF-PH1-830-P16-0040	QMR2 Quarry Management Plan	Jul-21
BAF-PH1-830-P16-0041	Polar Bear Safety Plan	Mar-16
BAF-PH1-830-P16-0042	Spill at Sea Response Plan	Aug-15
BAF-PH1-830-P16-0046	Marine Environmental Effects Monitoring Plan	Mar-16
BAF-PH1-830-P16-0047	MDMER Emergency Response Plan	Dec-20
BAF-PH1-830-P16-0050	Ballast Water Management Plan	Mar-19
BAF-PH1-830-P16-0056	Diesel Environmental Emergency (E2) Plan - Milne Port	Feb-20
BAF-PH1-830-P16-0057	Diesel Environmental Emergency (E2) Plan – Mine Site	Feb-20
BAF-PH1-830-P16-0058	Oil Pollution Prevention Plan - Milne Inlet (OPEP)	May-21
BAF-PH1-840-P16-0002	Emergency Response Plan	Dec-20
H349000-3000-07-245-0001	Q7 Quarry Management Plan	Oct-13
H349000-3000-07-245-0002	Q11 Quarry Management Plan	Oct-13
H349000-3000-07-245-0003	Q19 Quarry Management Plan	Oct-13
H349000-4200-07-245-0001	D1Q1 Quarry Management Plan	Oct-13
H349000-4200-07-245-0002	D1Q2 Quarry Management Plan	Oct-13

#### Notes:

- 1 Discontinued and incorporated into the March 2014 Borrow Pits and Quarry Management Plan.
- 2 The Explosives Management Plan is a contractor document.

A copy of Baffinland's Environmental Management Plans are available on the document web portal: <a href="https://www.baffinland.com/media-centre/document-portal/">https://www.baffinland.com/media-centre/document-portal/</a>.

### 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 conditionally approved by QIA, and has been provided as an appendix to this Work Plan. Baffinland notes concerns regarding the generation of acid rock drainage (ARD) and metal leaching (ML) rasied by CIRNAC in their review of Revision 5 of the ICRP, however, these concerns have been addressed separately through the revised Phase 1 Waste Rock Management Plan issued in June 2020 and approved by the NWB on August 17, 2020. Based on a review, Baffinland does not believe an update to the ICRP to address ARD/ML issues is required at this time based on the work completed to update the Phase 1 Waste Rock Management Plan. However, the ICRP is intended to be an iterative document that will evolve over the life of the mine. It is recognized that QIA as the land owner will provide valuable input and approval of future versions of the ICRP, including the incorporation of Inuit Qaujimajatuqangit into closure objectives and criteria.



## 9.4 TOTAL CLOSURE AND RECLAMATION SECURITY SUMMARY – 2023 WORK PLAN

The provision of additional securities for the 2023 Work Plan is summarized in Table 9.2 and Table 9.3 below.





Table 9-2: Summary of 2023 Work Plan Marginal increase with 2022 Reconciliation

Component	Marginal Decrease to Global Estimate	Inuit Owned Land Allocation	Crown Land Allocation	Water Allocation	Land Allocation
DIRECT COST SUB-TOTAL	(\$1,475,816)	(\$927,721)	(\$548,095)	\$60,995	(\$1,536,812)
Off-Site Disposal of Waste & Material	-	-	-	-	-
Fuel	(\$97,516)	(\$55,607)	(\$41,909)	\$2,866	(\$100,382)
Ammonium Nitrate	-	-	-	-	-
Contaminated Soil Treatment	-	-	-	-	-
Mobilization of Workers Required for Reclamation	(\$86,566)	(\$49,243)	(\$37,323)	\$2,615	(\$89,180)
Worker Accommodation & Camp Operation	(\$227,715)	(\$129,536)	(\$98,179)	\$6,878	(\$234,593)
Demobilization of Phase 2 Modules	-	-	-	-	-
Demobilization of 3rd Party Equipment	(\$150,434)	(\$150,434)	-	-	(\$150,434)
Mobilization and Demobilization of Equipment and Materials	(\$147,582)	(\$92,772)	(\$54,810)	\$6,100	(\$153,681)
Closure & Post Closure Monitoring	\$49,360	\$49,360	-	-	\$49,360
Engineering Fees	(\$73,791)	(\$46,386)	(\$27,405)	\$3,050	(\$76,841)
Supervision, Project Management & Contract Administration	(\$134,087)	(\$82,566)	(\$51,521)	\$5,734	(\$139,820)
Contingency	(\$285,291)	(\$175,672)	(\$109,619)	\$12,199	(\$297,490)
INDIRECT SUB-TOTAL	(\$1,153,621)	(\$732,856)	(\$420,765)	\$39,441	(\$1,193,062)
TOTAL	(\$2,629,437)	(\$1,660,577)	(\$968,860)	\$100,437	(\$2,729,874)



Table 9-3: Mary River Project 'Global' Closure and Reclamation Security Summary – 2023 Work Plan

	Α	В	С	D	E	F
	Authorization	Liability	2023 Marginal Estimate Including 2022 Reconciliation	Total 'Global' Estimated Security for 2023	Total Posted as of Jan. 2022	Marginal Adjustment to be Posted 5
			(\$)	(\$)	(\$)	(\$)
1		IOL <sup>2</sup>	-1,660,576.72	105,272,810	120,999,500	<b>D-E</b> -15,726,690
2	T A 2 A B A	Crown	-968,859.94	1,145,845	2,788,000	-1,642,155
3	Type A 2AM- MRY1325	Water	100,436.91	2,540,971	, ,	
4		Land	-2,729,873.57	103,877,684		
5	Subtotal Type A		-2,629,437	106,418,655	123,787,500	-17,368,845
6		IOL	-	165,000	-	165,000
7	Type B	Crown	-	1,082,000	1,250,000	-168,000
8	Exploration 2BE-MRY2131 <sup>3</sup>	Water	-	18,000		
9		Land	-	1,229,000		
10	Subtotal Type B Exploration		-	1,247,000	1,250,000	-3,000
11		IOL <sup>2</sup>	-	-	-	-
12	DFO Security Associated with Freight Dock	Crown	-	4,250,000	4,250,000	-
13		Water	-	4,250,000	4,250,000	-
14		Land	-	-	-	-
15	Subtotal DFO		-	4,250,000	4,250,000	-
16	AANDC Land Lease 47H/16- 1-2 <sup>4</sup>	IOL <sup>2</sup>	-	-	-	-
17		Crown	-	4,975,000	4,975,000	-
18		Water	-	-	-	-
19		Land	-	4,975,000	4,975,000	-





	Α	В	С	D	E	F
	Authorization	Liability	2023 Marginal Estimate Including 2022 Reconciliation (\$)	Total 'Global' Estimated Security for 2023 (\$)	Total Posted as of Jan. 2022 (\$)	Marginal Adjustment to be Posted <sup>5</sup> (\$) D-E
20	Subtotal AANDC L Lease	Land	-	4,975,000	4,975,000	-
21	GRAND TOTAL	·	-2,629,437	116,890,655	134,262,500	-17,371,845

#### NOTES:

- 1) Totals in CAD
- 2) Security relating to IOL held by Qikiqtani Inuit Association (QIA) under Commercial Lease No. Q13C3O1
- 3) As per Mary River Exploration Project Closure and Reclamation Plan (BAF-PH1-830-P16-0038, Rev 1)
- 4) As per Closure and Reclamation Strategy and Financial Security Estimate for Nunavut Lease #47H/16-1-2 (H349001-2000-07-126-0001, Rev.0)
- 5) Marginal Adjustment to be posted due to 2023 Work Plan



## 10 REQUESTED AMENDMENTS TO THE PROVISIONS OF THE LEASE

The Option Exercise Notice for construction of a new hazardous waste berm at the Mine Site (Work Plan item 2019-11) is included in Appendix F.

Additional Tote Road Adjustment Notices (TRANs) and OENs will be submitted as per Table 3.1, throughout 2023. 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.



# 11 ADDITIONAL REPORTS, INFORMATION OR DATA

Additional reports, information or data required to support the 2023 Work Plan are summarized in Table 11.1 below.

Table 11.1: Additional Reports, Information or Data

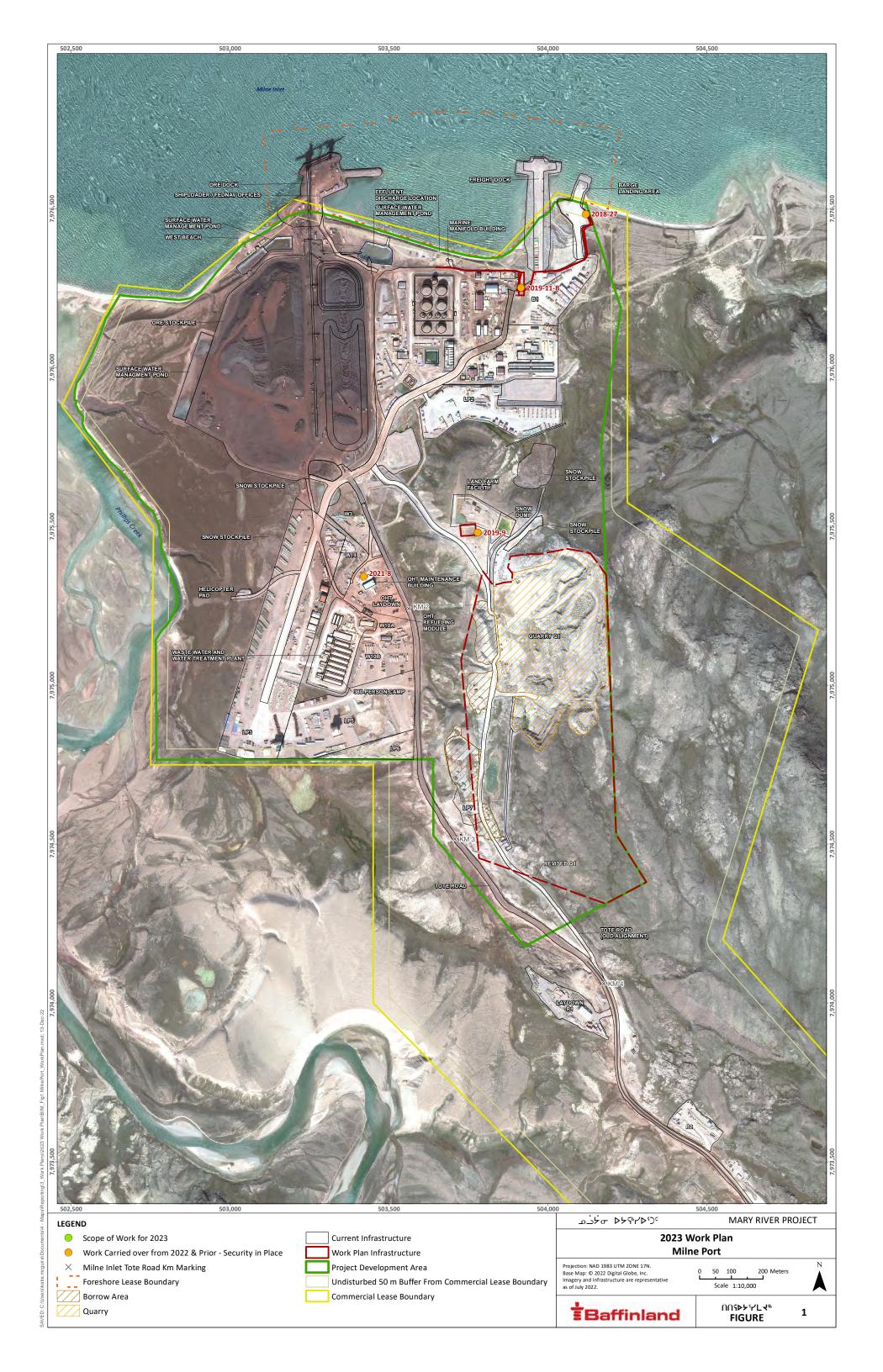
Title	Organization	Date	Annex
Identify the title of the additional report, information or data to be included with the Annual Work Plan.	Disclose the name of the organization that produced the addition report, information or data.	Include the publish date or reference year to the additional report, information or data.	Identify the Annex letter/number corresponding to the additional report, information or data.
Work Plan Figures  Milne Port  Mine Site  Tote Road	Baffinland	December 15, 2022	Appendix A
2023 Marginal Closure and Reclamation Financial Security Estimate	Baffinland	December 15, 2022	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
Option Exercise Notice for Mine Site Hazardous Waste Berm	Baffinland	December 15, 2022	Appendix F

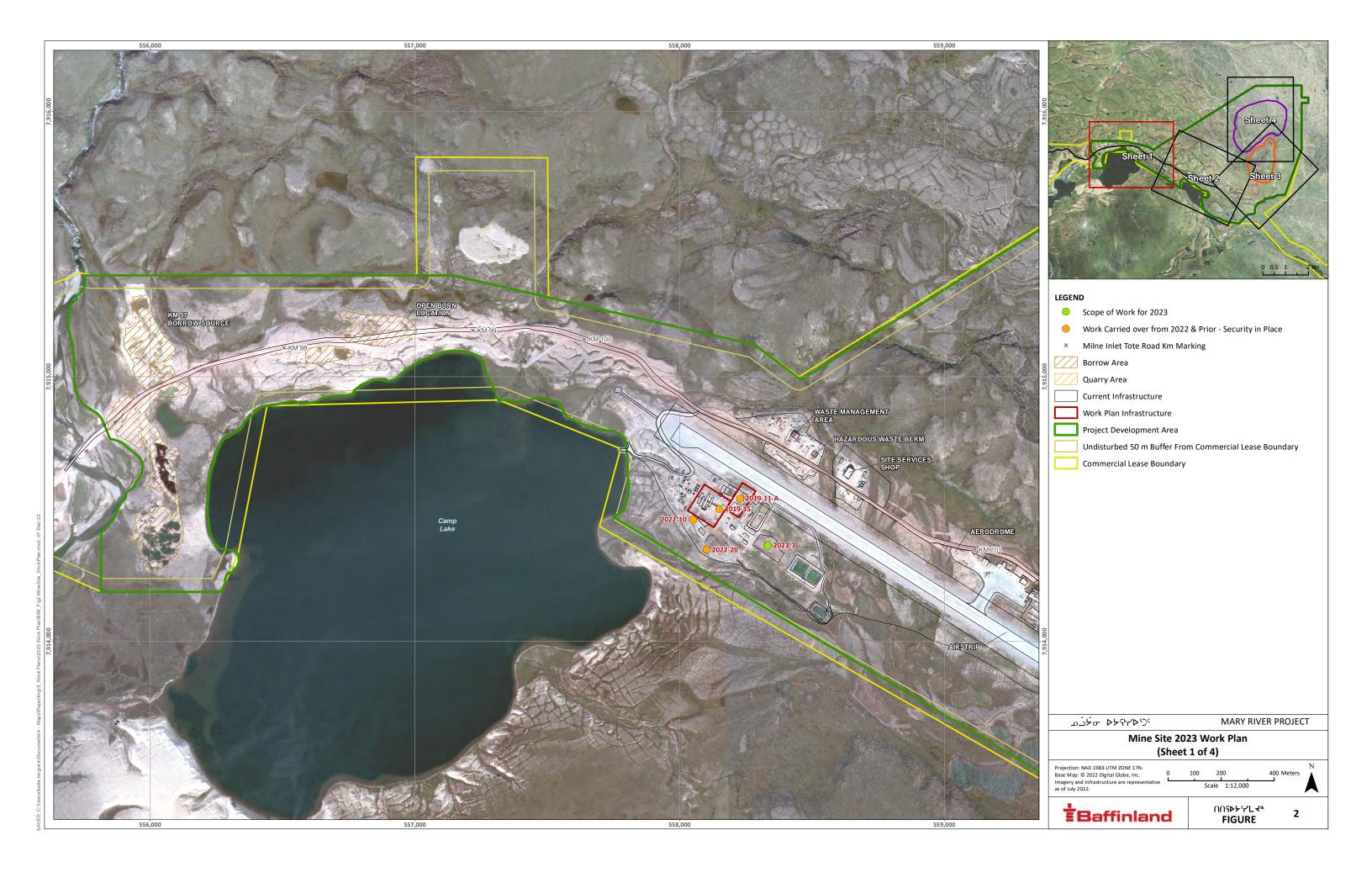


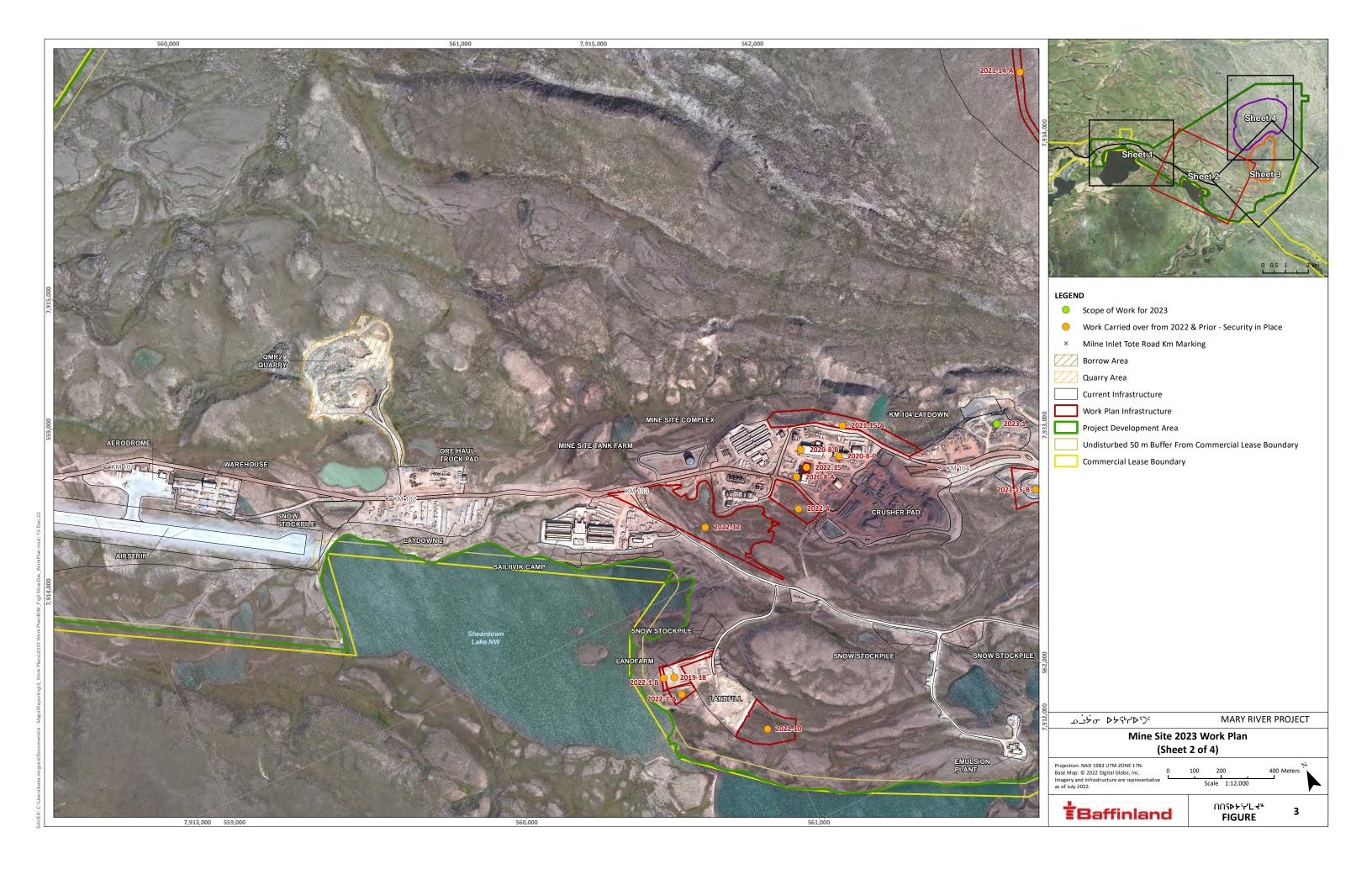
#### **APPENDIX A**

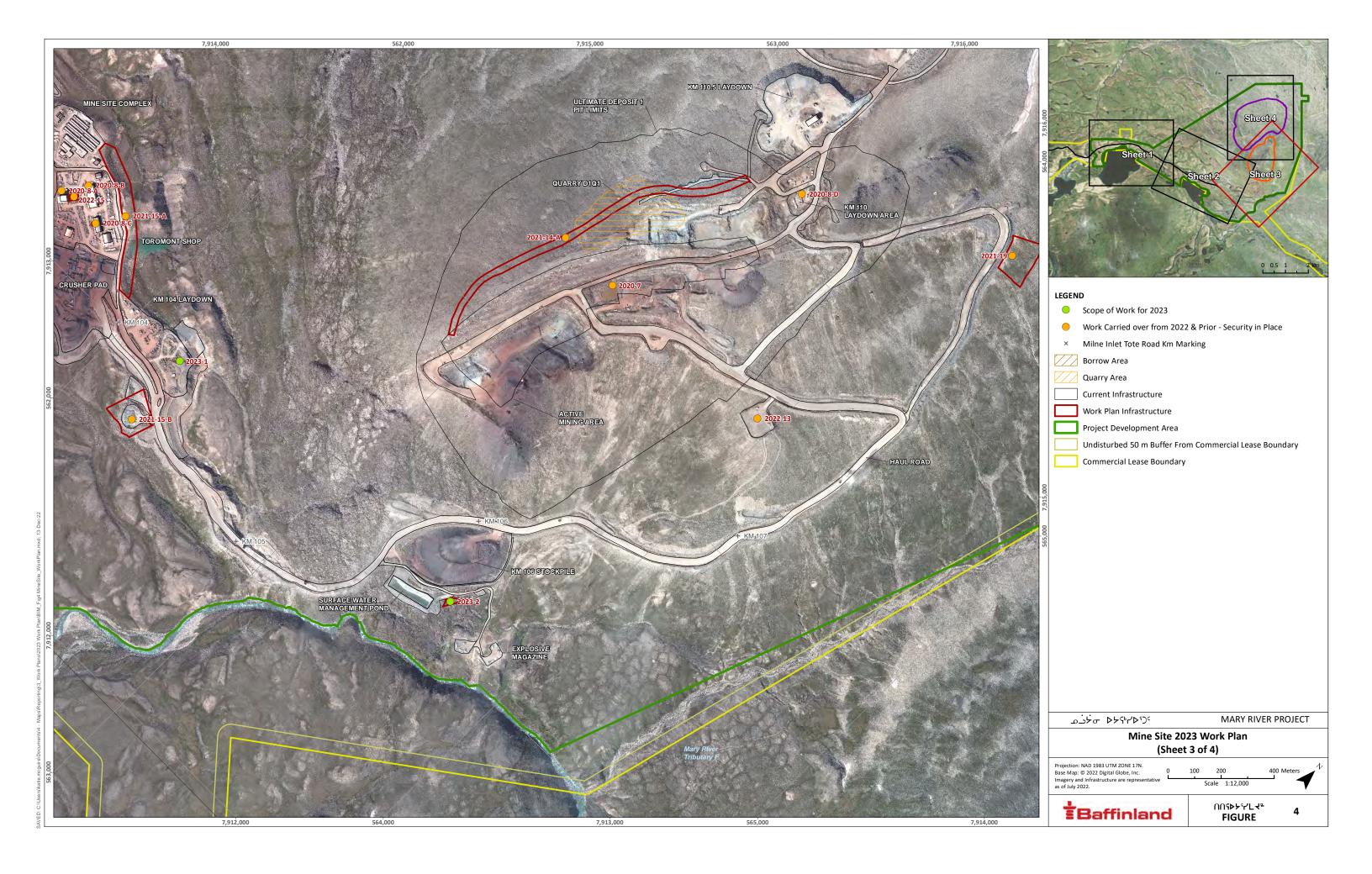
2023 WORK PLAN SITE LAYOUTS

2023 Work Plan – Milne Port Site Layout
2023 Work Plan – Mine Site Layout
2023 Work Plan – Tote Road

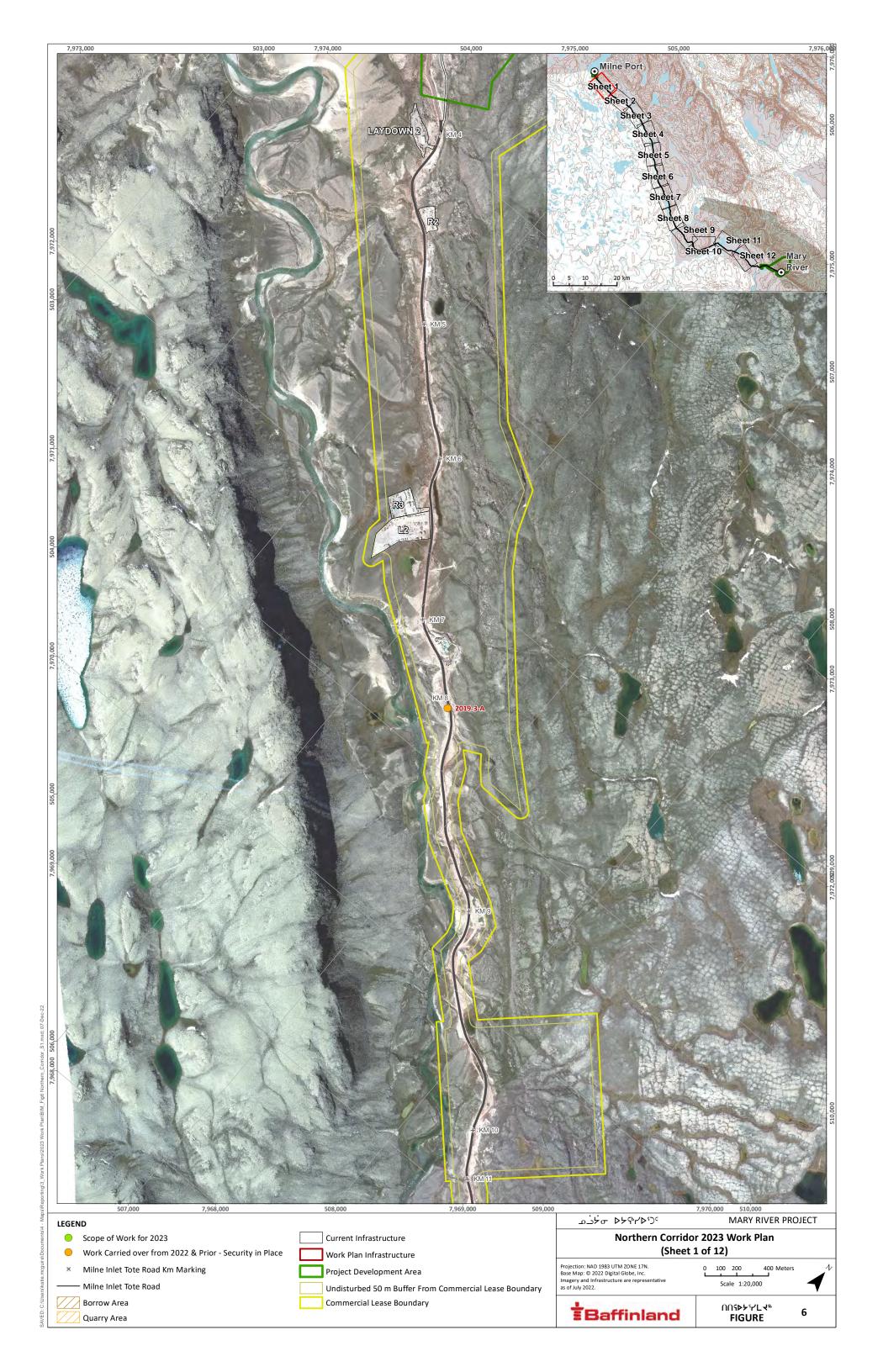


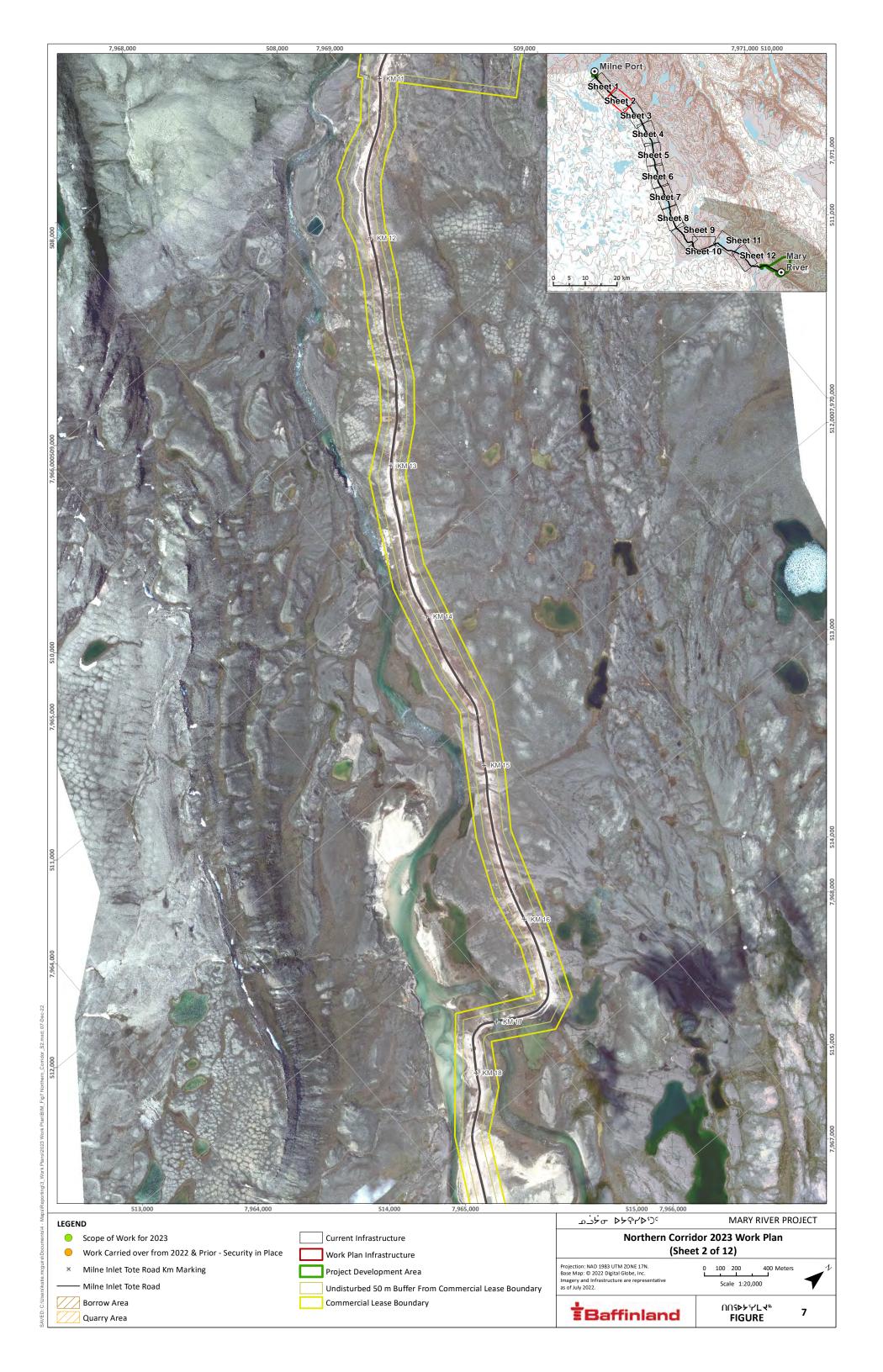


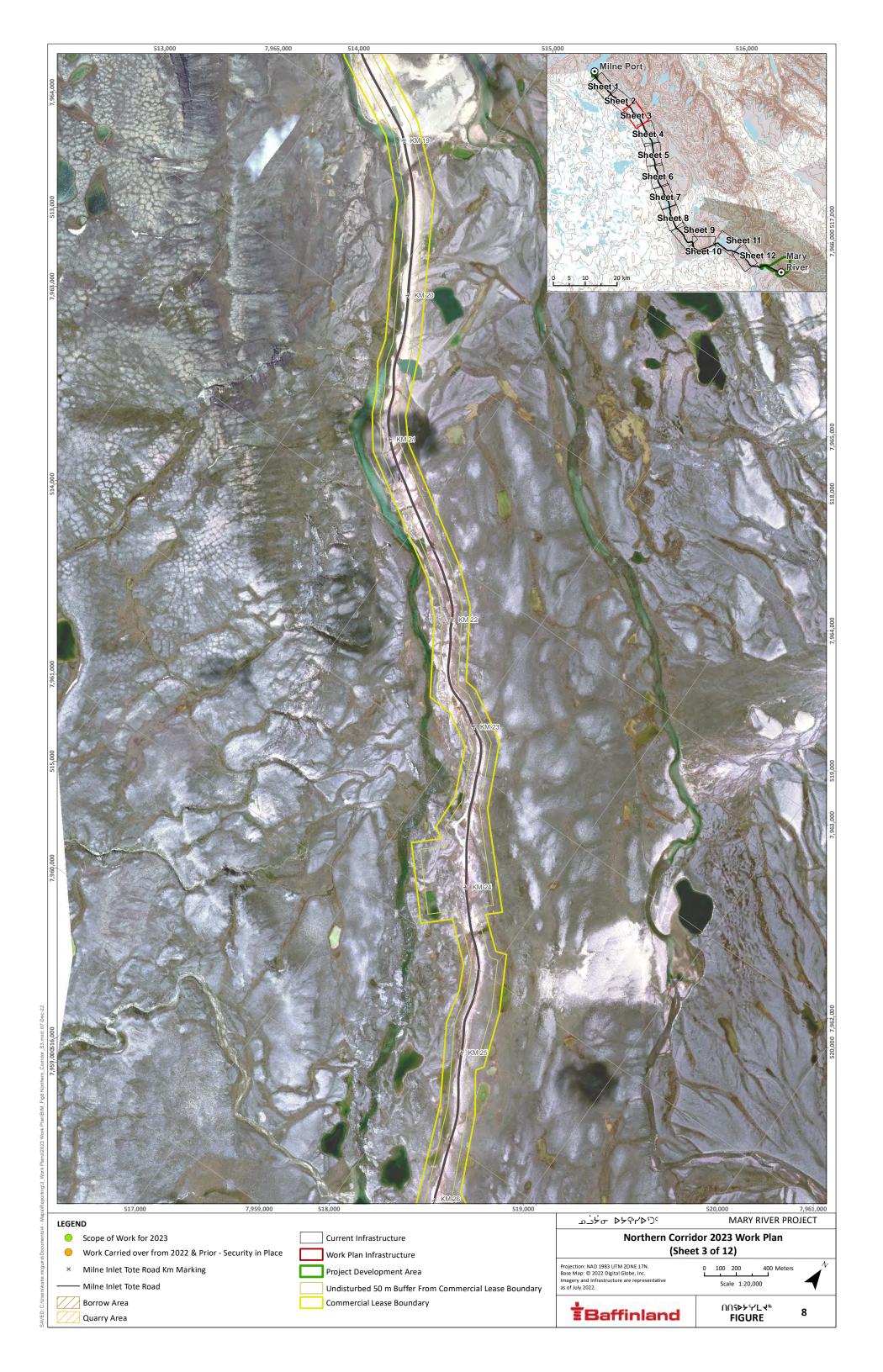


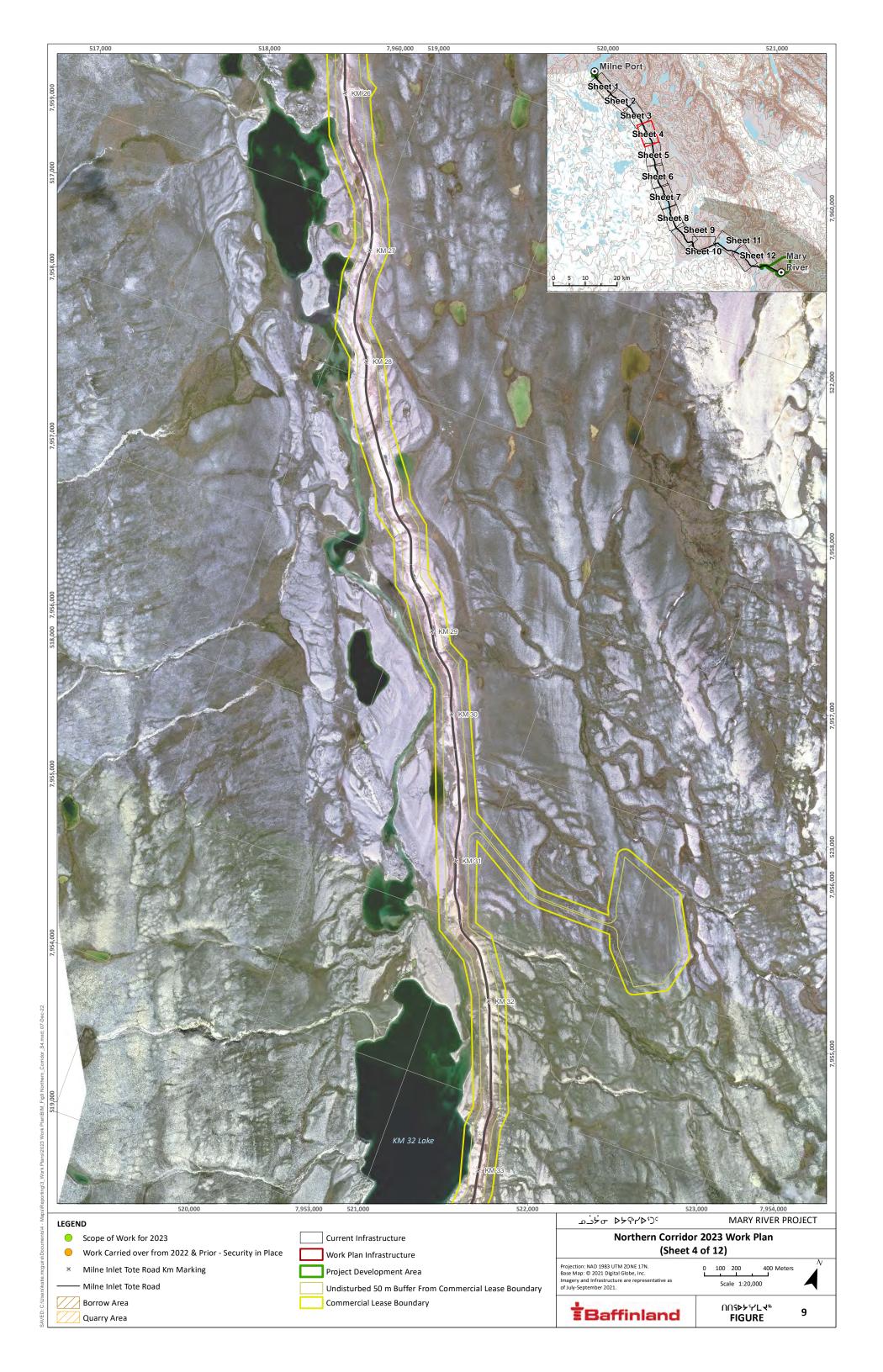






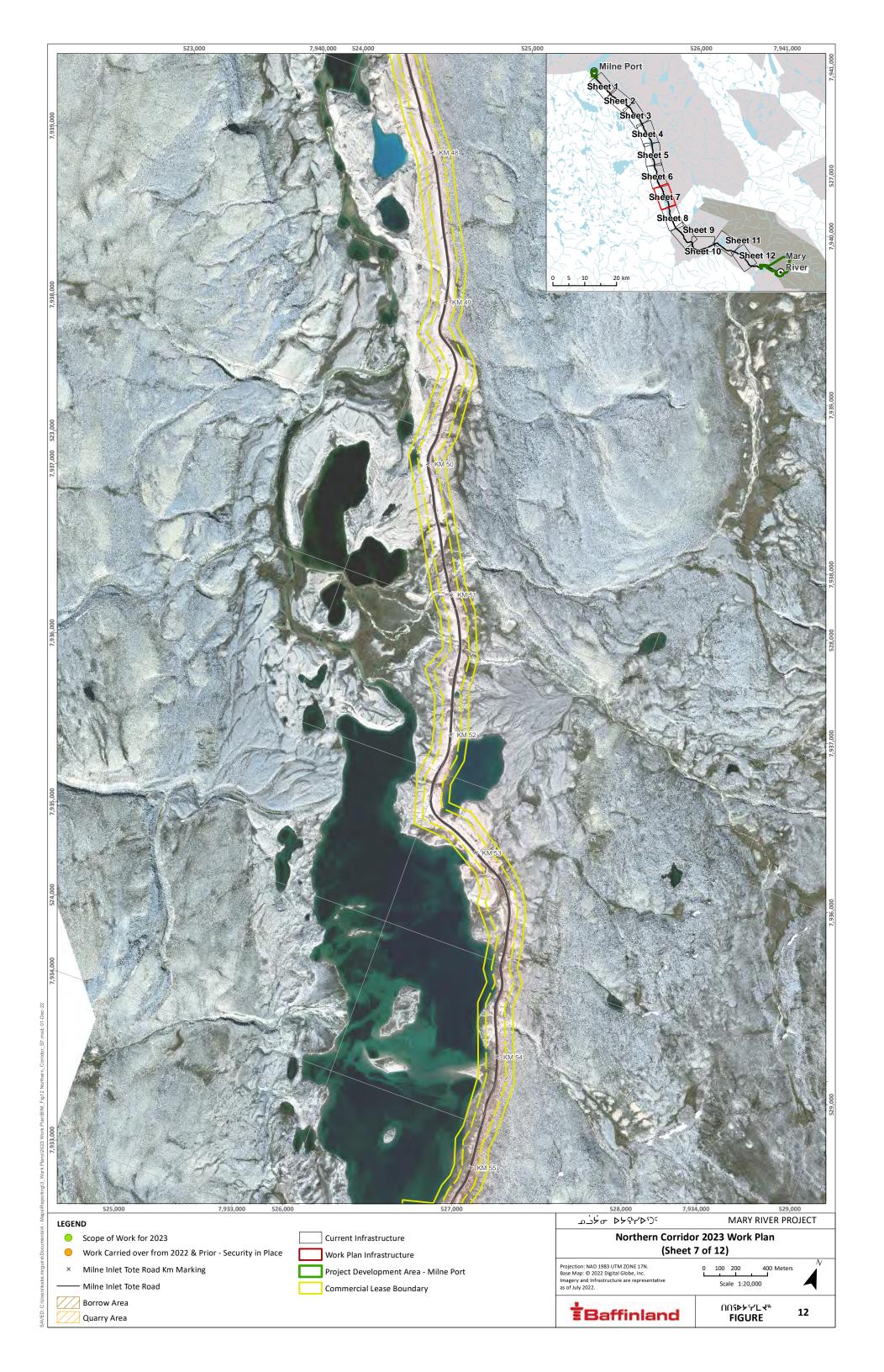


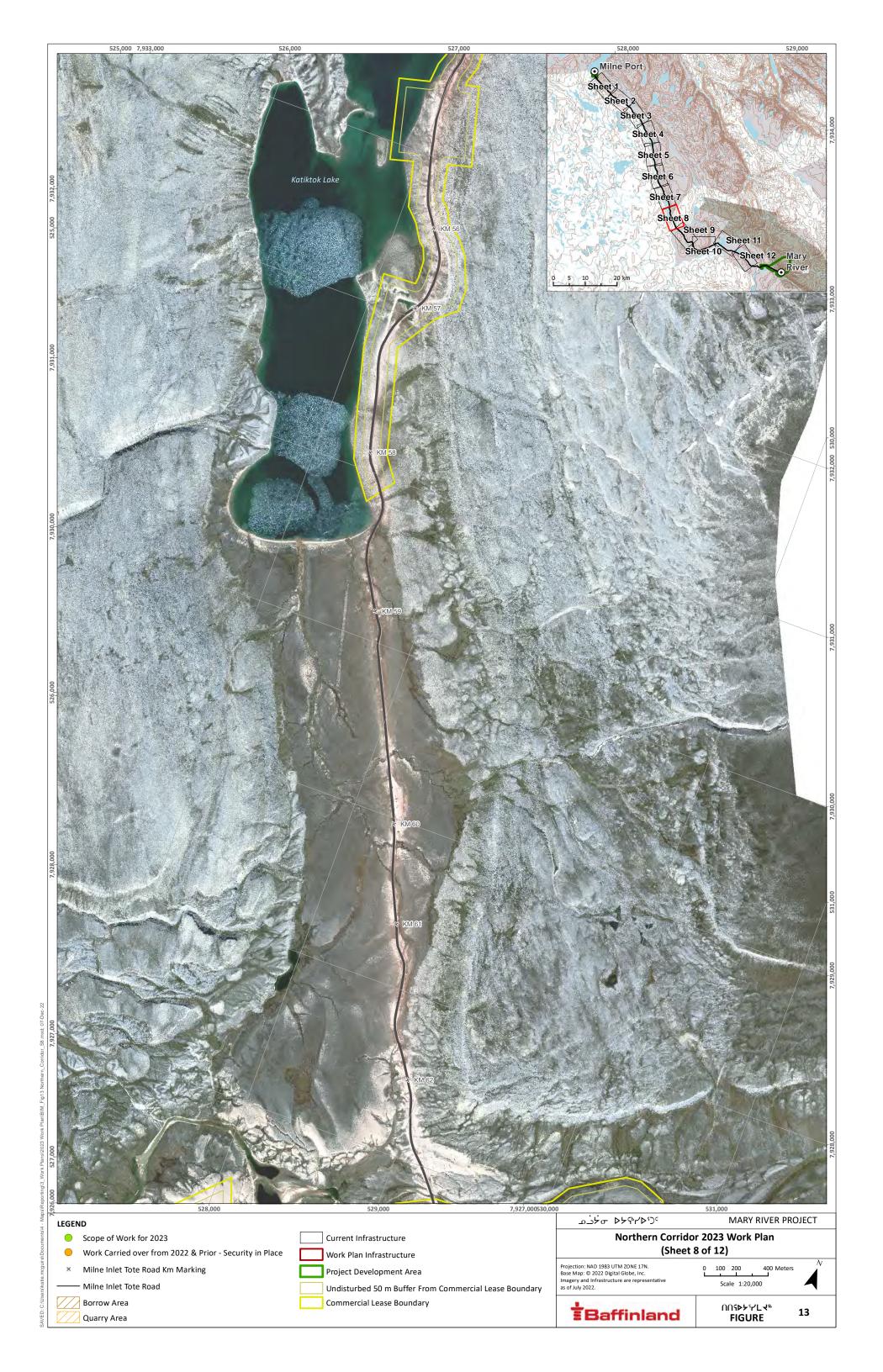


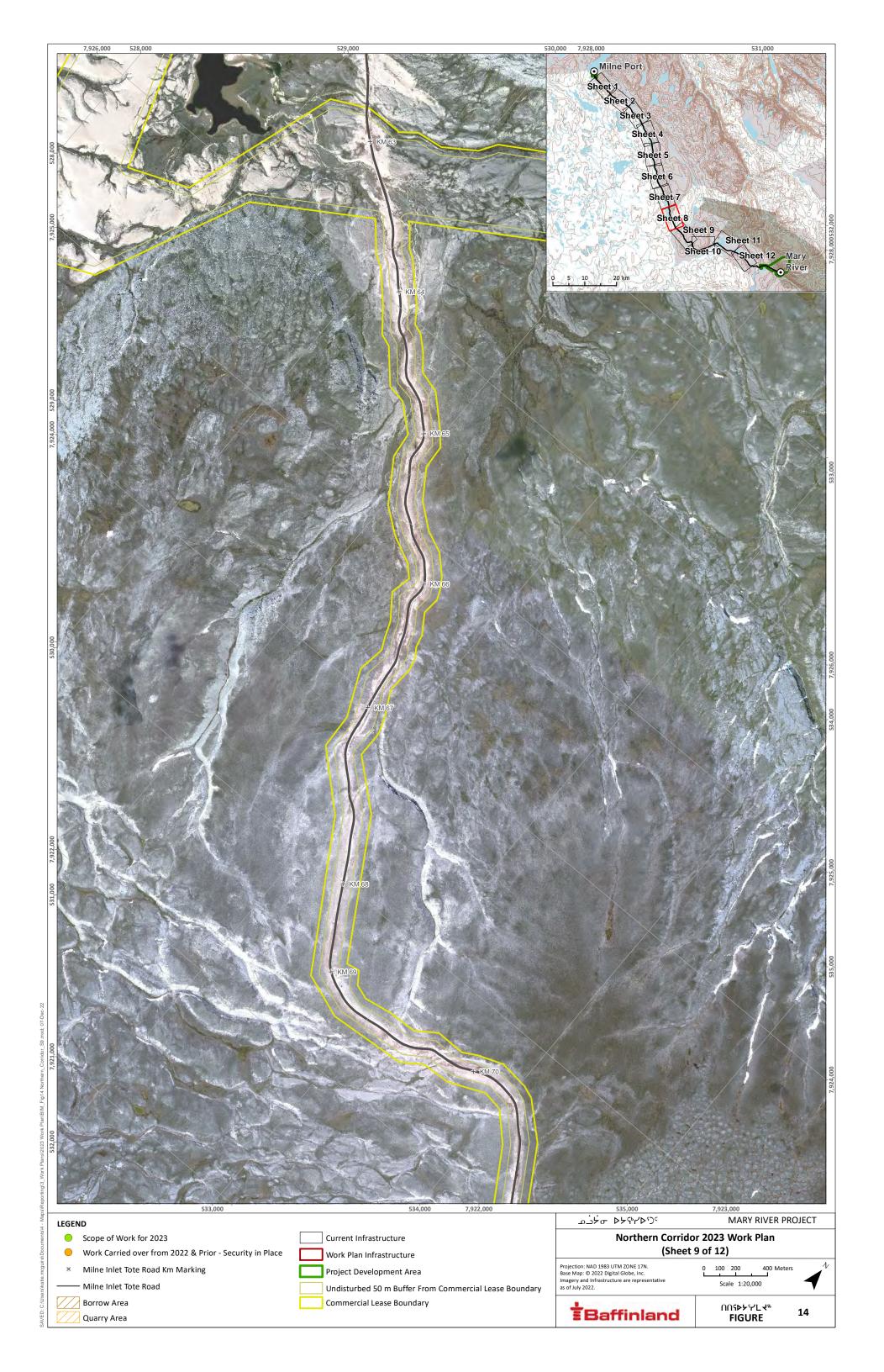


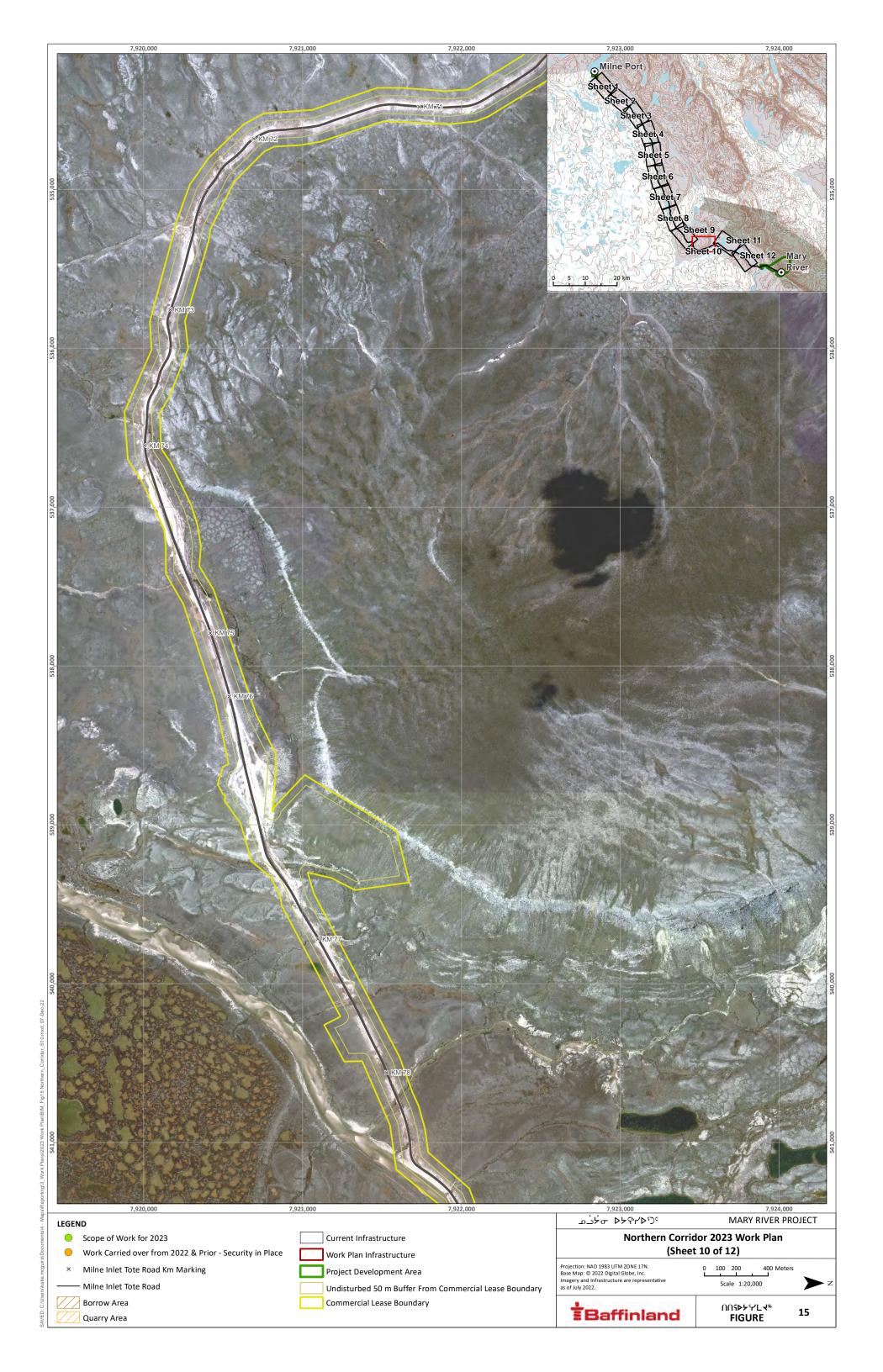


















# **APPENDIX B**

2023 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.



# **APPENDIX F**

OPTION EXERCISE NOTICE FOR MINE SITE HAZARDOUS WASTE BERM







Provided under separate cover.