August 30, 2025

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut X0B 1J0

Resource Management Officer, CIRNAC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

RE: Water Licence 2AM-MRY2540 Monthly Surveillance Network Program (SNP) Report July 2025

The following is the monthly report for July 2025 as required under Part I, Item 19 of the Type 'A' Water Licence 2AM-MRY2540 (the Licence), which states:

"The Licensee shall submit to the Board, within thirty (30) days following the month being reported, a Monthly Monitoring Report. The Report shall include:

a) All data and information required by this Part and generated by the Monitoring Program in the tables of Schedule I
b) An assessment of data to identify areas of non-compliance with regulated discharge parameters referred to in Part F"

Monitoring Program

Table 1.1 presents a list of samples/monitoring conducted in July under the Licence at sites with discharge/flowing water conditions and the details concerning the collected water quality samples, including sample dates and laboratory identification numbers. Analytical water quality testing results are presented in Table 2. Table 3.1 presents water volumes consumed for domestic and industrial water purposes as well as select volumes of effluent and waste discharged and/or disposed at the Mary River Mine Site and Milne Port during July 2025.

Monitoring Program Results

Water Sampling and Analysis Results

Table 2 provides the analytical results related to the monitoring program facilities. In July 2025, there were no exceedances from applicable water licence monitoring stations.

On May 22, 2025, water was observed flowing at the MS-11 discharge location (MS-11), situated downstream of the Km 105 valley water management infrastructure (Km 105 Pond). A summary of this incident and the actions taken by Baffinland was reported in the May report submitted on June 30, 2025. In addition, details on initial mitigative actions were provided in the follow-up spill report submitted to the NT-NU Spill Reporting Line on June 23, 2025 (NT-NU #2025-226). Monthly Water Licence samples will continue to be collected at the proposed MS-11 discharge location when flowing water is present, as per the SNP Modification Request submitted with the MWB/QIA 2024 Annual Report for Operations.

Following the onset of flow through the proposed MS-11 discharge location, discharge quantity at the Km 105 Pond was estimated through daily flow measurements at MS-11 in May, 2025. Pressure transducers

were subsequently installed on June 1 at the downstream hydrology station, for estimating discharge volumes, following the onset of consistent warmer temperatures and ice free conditions.

Flow and Volume Measurements

Table 3.1 provides a breakdown of volume measurements for July 2025, as required by Part I, Item 6 of the Licence. There were no exceedances of the source-specific daily volume withdrawal limits in July 2025.

We trust that the information provided in this monthly report is acceptable. If you have any questions regarding this report, please contact the undersigned.

Prepared by:

Allison Parker
Environmental Specialist

Reviewed by:

Todd Swenson
Environmental Superintendent

cc: Jeremy Fraser, Omer Pasalic, Sean Naullaq (CIRNAC)
Conor Goddard, Chris Spencer (QIA)
Megan Lord-Hoyle, Lou Kamermans, Elisabeth Luther, Francois Gaudreau, William Bowden,Todd Sewnson, Allison Parker, Shannon Mulhall, Irniq Lecompte (Baffinland)

Attachments

Attachments – Table 1, Table 2, Table 3.1

Baffinland

Table 1.1: Monitoring Program
Water Sampling Summary

Location	Location Description	Sample Date	Sample Type	Lab Sample ID
MP-01	Sewage Treatment Facility	2025-07-15	P	WT2519032-004
MP-01	Sewage Treatment Facility	2025-07-15	FB	WT2519032-005
MP-01B	Sewage Treatment Facility	2025-07-15	P	WT2519032-001
MP-01B	Sewage Treatment Facility	2025-07-15	FB	WT2519032-002
MP-03	Bulk Fuel Storage Facility Stormwater	2025-07-22	P	WT2519824-001
MP-03	Bulk Fuel Storage Facility Stormwater	2025-07-22	FD	WT2519824-002
MP-06	Ore Stockpile Sedimentation Pond	2025-07-11	P	BF2500150-001
MS-01B	Sewage Treatment Facility	2025-07-08	P	WT2518077-001
MS-01B	Sewage Treatment Facility	2025-07-08	FB	WT2518077-002
MS-03B	Mine Site Bulk Fuel Storage Facility Stormwater	2025-07-29	P	BF2500216-001
MS-06	Ore Stockpile Pond Stormwater	2025-07-16	P	BF2500163-001
MS-07	Run of Mine Ore Stockpile Pond Stormwater	2025-07-19	P	BF2500177-001
MS-08	Mine Waste Rock Stockpile Pond	2025-07-07	P	BF2500139-001
MS-11	KM105 Pond Stormwater	2025-07-07	P	BF2500141-001

Notes:
Sample Types:
P - Permitted Sample
FB - Field Blank
FD - Field Duplicate
TB - Trip Blank
NST - No Sample Taken

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MP-01

Location Name		MP-01	MP-01
Sample Date & Time		2025-07-15 12:30	2025-07-15 12:30
ALS Laboratory Work Order		WT2519032	WT2519032
Sample Type		P	FB
Analyte	Units		
pH, Lab	pH units	7.45	5.7
Total Suspended Solids	mg/L	< 1	< 1
Total Dissolved Solids	mg/L	831	10
Turbidity	NTU	0.29	< 0.1
Alkalinity, Total	mg/L	41.6	< 2
Ammonia, Total (as N)	mg/L	0.194	0.0162
Total Kjeldahl Nitrogen	mg/L	11.9	0.073
Fecal Coliforms	CFU/100mL	< 1	< 1
BOD	mg/L	< 2	< 2
Phosphorus, Nutrient	mg/L	8.72	< 0.002
Oil and Grease, Total	mg/L	< 5	< 5

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MP-01B

	Location Name	MP-01B	MP-01B
	Sample Date & Time	2025-07-15 10:35	2025-07-15 10:35
	ALS Laboratory Work Order	WT2519032	WT2519032
	Sample Type	P	FB
Analyte	Units		
pH, Lab	pH units	8.2	5.76
Total Suspended Solids	mg/L	< 1	< 1
Total Dissolved Solids	mg/L	692	< 10
Turbidity	NTU	0.16	< 0.1
Alkalinity, Total	mg/L	118	< 2
Ammonia, Total (as N)	mg/L	0.0329	< 0.005
Total Kjeldahl Nitrogen	mg/L	7.36	< 0.05
Fecal Coliforms	CFU/100mL	59	< 1
BOD	mg/L	< 2	< 2
Phosphorus, Nutrient	mg/L	10.4	< 0.002
Oil and Grease, Total	mg/L	< 5	< 5

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MP-03

		Location Name	MP-03	MP-03
		Sample Date & Time	2025-07-22 7:15	2025-07-22 7:15
		ALS Laboratory Work Order	WT2519824	WT2519824
		Sample Type	P	FD
Analyte	Units	Table 8 Criteria		
pH, Lab	pH units	-	8.42	8.44
Total Suspended Solids	mg/L	-	3.2	3.5
Total Dissolved Solids	mg/L	-	238	237
Turbidity	NTU	-	5.46	5.52
Ammonia, Total (as N)	mg/L	-	0.0191	0.0153
Arsenic - Total	mg/L	-	0.00038	0.00039
Copper - Total	mg/L	-	0.00328	0.00327
Lead - Total	mg/L	0.2	0.000338	0.000344
Nickel - Total	mg/L	-	0.00084	0.00082
Zinc - Total	mg/L	-	0.0052	0.0057
Phosphorus, Nutrient	mg/L	-	0.0125	0.0118
Benzene	ug/L	590	< 0.5	< 0.5
Ethylbenzene	ug/L	70	< 0.5	< 0.5
Toluene	ug/L	30	< 0.5	< 0.5
Total Xylenes	ug/L	70	< 0.5	< 0.5
m+p-Xylenes	ug/L	70	< 0.4	< 0.4
o-Xylene	ug/L	70	< 0.3	< 0.3
F1-BTEX	ug/L	-	< 25	< 25
F1 (C6-C10)	ug/L	-	< 25	< 25
F2 (C10-C16)	ug/L	-	120	120
F3 (C16-C34)	ug/L	-	< 250	< 250
F4 (C34-C50)	ug/L	-	< 250	< 250
Total Petroleum Hydrocarbons (C6-C50)	ug/L	-	< 370	< 370
Oil and Grease, Total	mg/L	15	< 5	< 5
Visible Sheen	None	No Visible Sheen	No Visible Sheen	-

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MP-06

Location Name		MP-06
Sample Date & Time		2025-07-11
ALS Laboratory Work Order		BF2500150
Sample Type		P
Analyte	Units	
pH, Field	pH units	8.28
Specific Conductivity, Field	us/cm	673
Temperature, Field	deg C	7.1
Turbidity, Field	NTU	228
Hardness	mg/L	272
pH, Lab	pH units	8.11
Total Suspended Solids	mg/L	43.3
Total Dissolved Solids	mg/L	419
Turbidity	NTU	170
Alkalinity, Total	mg/L	112
Ammonia, Total (as N)	mg/L	0.0424
Chloride	mg/L	73.1
Fluoride	mg/L	0.194
Nitrate	mg/L	1.68
Nitrite	mg/L	0.012
Total Kjeldahl Nitrogen	mg/L	0.516
Sulfate	mg/L	105
Dissolved Organic Carbon	mg/L	4.4
Total Organic Carbon	mg/L	4.26
Aluminum - Total	mg/L	2.91
Antimony - Total	mg/L	< 0.001
Arsenic - Total	mg/L	< 0.001
Barium - Total	mg/L	0.0203
Cadmium - Total	mg/L	< 0.00005
Calcium - Total	mg/L	51.9
Chromium - Total	mg/L	< 0.005
Cobalt - Total	mg/L	0.00268
Copper - Total	mg/L	< 0.005
Iron - Total	mg/L	3
Lead - Total	mg/L	0.0018
Lithium - Total	mg/L	0.0162
Magnesium - Total	mg/L	34.7
Manganese - Total	mg/L	0.422
Mercury - Total	mg/L	< 0.000005
Molybdenum - Total	mg/L	0.00311
Nickel - Total	mg/L	0.00535
Phosphorus, Total	mg/L	< 0.5
Potassium - Total	mg/L	6.48
Selenium - Total	mg/L	< 0.0005
Sodium - Total	mg/L	28.7
Strontium - Total	mg/L	0.167
Thallium - Total	mg/L	< 0.0001
Tin - Total	mg/L	< 0.001
Titanium - Total	mg/L	0.0515
Uranium - Total	mg/L	0.106
Vanadium - Total	mg/L	< 0.005
Zinc - Total	mg/L	< 0.03
Aluminum - Dissolved	mg/L	0.0184
Arsenic - Dissolved	mg/L	0.00025
Cadmium - Dissolved	mg/L	0.000006
Calcium - Dissolved	mg/L	53.2
Copper - Dissolved	mg/L	0.00106
Iron - Dissolved	mg/L	< 0.01
Lead - Dissolved	mg/L	< 0.00005
Magnesium - Dissolved	mg/L	31.2
Manganese - Dissolved	mg/L	0.338
Mercury - Dissolved	mg/L	< 0.000005
Molybdenum - Dissolved	mg/L	0.00525
Nickel - Dissolved	mg/L	0.00078
Potassium - Dissolved	mg/L	6.51
Selenium - Dissolved	mg/L	0.000252
Sodium - Dissolved	mg/L	28.2
Thallium - Dissolved	mg/L	0.000026
Uranium - Dissolved	mg/L	0.101
Zinc - Dissolved	mg/L	< 0.001
Phosphorus, Nutrient	mg/L	0.0222
Phenols	ug/L	1.5
Visible Sheen	None	No Visible Sheen

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-01B

		Location Name	MS-01B	MS-01B
		Sample Date & Time	2025-07-08 13:20	2025-07-08 13:20
		ALS Laboratory Work Order	WT2518077	WT2518077
		Sample Type	P	FB
Analyte	Units	Table 5 Criteria		
pH, Lab	pH units	9.5	8.46	5.79
Total Suspended Solids	mg/L	30	< 1	< 1
Total Dissolved Solids	mg/L	-	834	< 10
Turbidity	NTU	-	0.21	< 0.1
Alkalinity, Total	mg/L	-	284	< 2
Ammonia, Total (as N)	mg/L	4	0.0138	< 0.005
Total Kjeldahl Nitrogen	mg/L	-	3.64	< 0.5
Fecal Coliforms	CFU/100mL	1000	1	< 1
BOD	mg/L	30	< 2	< 2
Phosphorus, Nutrient	mg/L	4	0.297	< 0.002
Oil and Grease, Total	mg/L	-	< 5	< 5
Visible Sheen	None	No Visible Sheen	No Visible Sheen	-

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-03B

		Location Name	MS-03B
		Sample Date & Time	2025-07-29 11:50
		ALS Laboratory Work Order	BF2500216
		Sample Type	P
Analyte	Units	Table 8 Criteria	
pH, Lab	pH units	-	8.07
Total Suspended Solids	mg/L	-	< 1
Total Dissolved Solids	mg/L	-	120
Turbidity	NTU	-	4.74
Arsenic - Total	mg/L	-	0.00012
Copper - Total	mg/L	-	0.00152
Lead - Total	mg/L	0.2	0.000212
Nickel - Total	mg/L	-	< 0.0005
Zinc - Total	mg/L	-	0.0034
Benzene	ug/L	590	< 0.5
Ethylbenzene	ug/L	70	< 0.5
Toluene	ug/L	30	< 0.5
Total Xylenes	ug/L	70	< 0.5
m+p-Xylenes	ug/L	70	< 0.4
o-Xylene	ug/L	70	< 0.3
F1-BTEX	ug/L	-	< 25
F1 (C6-C10)	ug/L	-	< 25
F2 (C10-C16)	ug/L	-	< 100
F3 (C16-C34)	ug/L	-	< 250
F4 (C34-C50)	ug/L	-	< 250
Total Petroleum Hydrocarbons (C6-C50)	ug/L	-	< 370
Oil and Grease, Total	mg/L	15	< 5
Visible Sheen	None	No Visible Sheen	No Visible Sheen

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Baffinland

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-06

		Location Name	MS-06
		Sample Date & Time	2025-07-16 12:30
		ALS Laboratory Work Order	BF2500163
		Sample Type	P
Analyte	Units	Table 10 Criteria	
pH, Field	pH units	-	7.13
Specific Conductivity, Field	us/cm	-	1852
Temperature, Field	deg C	-	8
Turbidity, Field	NTU	-	48.9
Hardness	mg/L	-	866
Conductivity	umhos/cm	-	1900
pH, Lab	pH units	9.5	7.12
Total Suspended Solids	mg/L	30	5
Total Dissolved Solids	mg/L	-	1430
Turbidity	NTU	-	34.9
Alkalinity, Total	mg/L	-	13.6
Ammonia, Total (as N)	mg/L	-	7.85
Chloride	mg/L	-	116
Fluoride	mg/L	-	< 0.1
Nitrate	mg/L	-	23.7
Nitrite	mg/L	-	0.334
Total Kjeldahl Nitrogen	mg/L	-	15.2
Sulfate	mg/L	-	739
Phosphorus, Nutrient	mg/L	-	0.0073
Dissolved Organic Carbon	mg/L	-	3.69
Total Organic Carbon	mg/L	-	4.18
Aluminum - Total	mg/L	-	0.147
Antimony - Total	mg/L	-	< 0.001
Arsenic - Total	mg/L	0.6	< 0.001
Barium - Total	mg/L	-	0.0153
Cadmium - Total	mg/L	-	0.000221
Calcium - Total	mg/L	-	62.6
Chromium - Total	mg/L	-	< 0.005
Cobalt - Total	mg/L	-	0.0406
Copper - Total	mg/L	0.6	< 0.005
Iron - Total	mg/L	-	0.47
Lead - Total	mg/L	0.2	0.00089
Lithium - Total	mg/L	-	0.0456
Magnesium - Total	mg/L	-	184
Manganese - Total	mg/L	-	18.4
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	< 0.0005
Nickel - Total	mg/L	1	0.0335
Phosphorus, Total	mg/L	-	< 0.5
Potassium - Total	mg/L	-	10.8
Selenium - Total	mg/L	-	0.00204
Sodium - Total	mg/L	-	48.2
Strontium - Total	mg/L	-	0.123
Thallium - Total	mg/L	-	0.00021
Tin - Total	mg/L	-	< 0.001
Titanium - Total	mg/L	-	< 0.003
Uranium - Total	mg/L	-	0.000345
Vanadium - Total	mg/L	-	< 0.005
Zinc - Total	mg/L	1	< 0.03
Aluminum - Dissolved	mg/L	-	< 0.01
Arsenic - Dissolved	mg/L	-	< 0.001
Cadmium - Dissolved	mg/L	-	0.000223
Calcium - Dissolved	mg/L	-	58.3
Copper - Dissolved	mg/L	-	< 0.002
Iron - Dissolved	mg/L	-	< 0.1
Lead - Dissolved	mg/L	-	< 0.0005
Magnesium - Dissolved	mg/L	-	175
Manganese - Dissolved	mg/L	-	17.8
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	< 0.0005
Nickel - Dissolved	mg/L	-	0.0308
Potassium - Dissolved	mg/L	-	10.1
Selenium - Dissolved	mg/L	-	0.0019
Sodium - Dissolved	mg/L	-	45.1
Thallium - Dissolved	mg/L	-	0.000221
Uranium - Dissolved	mg/L	-	0.000306
Zinc - Dissolved	mg/L	-	0.0167
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean % Mortality - Daphnia magna	%v/v	Not Acutely Toxic	Not Acutely Toxic
Mean % Mortality - Rainbow Trout	%v/v	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-07

		Location Name	MS-07
		Sample Date & Time	2025-07-19 9:10
		ALS Laboratory Work Order	BF2500177
		Sample Type	P
Analyte	Units	Table 10 Criteria	
pH, Field	pH units	-	7.44
Specific Conductivity, Field	us/cm	-	1033
Temperature, Field	deg C	-	8.3
Turbidity, Field	NTU	-	26.1
Hardness	mg/L	-	408
Conductivity	umhos/cm	-	862
pH, Lab	pH units	9.5	7.34
Total Suspended Solids	mg/L	30	6.6
Total Dissolved Solids	mg/L	-	680
Turbidity	NTU	-	23.2
Alkalinity, Total	mg/L	-	33.1
Ammonia, Total (as N)	mg/L	-	2.55
Chloride	mg/L	-	47.4
Fluoride	mg/L	-	0.046
Nitrate	mg/L	-	11.5
Nitrite	mg/L	-	0.141
Total Kjeldahl Nitrogen	mg/L	-	3.59
Sulfate	mg/L	-	352
Phosphorus, Nutrient	mg/L	-	0.0091
Dissolved Organic Carbon	mg/L	-	1.8
Total Organic Carbon	mg/L	-	2.03
Aluminum - Total	mg/L	-	0.341
Antimony - Total	mg/L	-	< 0.0001
Arsenic - Total	mg/L	0.6	0.00014
Barium - Total	mg/L	-	0.0195
Cadmium - Total	mg/L	-	0.000222
Calcium - Total	mg/L	-	35.1
Chromium - Total	mg/L	-	0.001
Cobalt - Total	mg/L	-	0.0151
Copper - Total	mg/L	0.6	0.00164
Iron - Total	mg/L	-	0.557
Lead - Total	mg/L	0.2	0.000699
Lithium - Total	mg/L	-	0.0221
Magnesium - Total	mg/L	-	78.4
Manganese - Total	mg/L	-	7.14
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	0.00159
Nickel - Total	mg/L	1	0.0129
Phosphorus, Total	mg/L	-	< 0.05
Potassium - Total	mg/L	-	7.3
Selenium - Total	mg/L	-	0.00106
Sodium - Total	mg/L	-	18.5
Strontium - Total	mg/L	-	0.0691
Thallium - Total	mg/L	-	0.00008
Tin - Total	mg/L	-	< 0.0001
Titanium - Total	mg/L	-	0.0127
Uranium - Total	mg/L	-	0.00175
Vanadium - Total	mg/L	-	0.00056
Zinc - Total	mg/L	1	0.004
Aluminum - Dissolved	mg/L	-	0.0056
Arsenic - Dissolved	mg/L	-	< 0.0001
Cadmium - Dissolved	mg/L	-	0.000204
Calcium - Dissolved	mg/L	-	34.5
Copper - Dissolved	mg/L	-	0.00056
Iron - Dissolved	mg/L	-	< 0.01
Lead - Dissolved	mg/L	-	< 0.00005
Magnesium - Dissolved	mg/L	-	78.1
Manganese - Dissolved	mg/L	-	7.12
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	0.00172
Nickel - Dissolved	mg/L	-	0.0117
Potassium - Dissolved	mg/L	-	7.23
Selenium - Dissolved	mg/L	-	0.00106
Sodium - Dissolved	mg/L	-	18.6
Thallium - Dissolved	mg/L	-	0.000076
Uranium - Dissolved	mg/L	-	0.00164
Zinc - Dissolved	mg/L	-	0.0032
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean % Mortality - Daphnia magna	%v/v	Not Acutely Toxic	Not Acutely Toxic
Mean % Mortality - Rainbow Trout	%v/v	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-08

		Location Name	MS-08
		Sample Date & Time	2025-07-07 10:25
		ALS Laboratory Work Order	BF2500139
		Sample Type	P
Analyte	Units	Table 10 Criteria	
pH, Field	pH units	-	7.54
Specific Conductivity, Field	us/cm	-	312.7
Temperature, Field	deg C	-	5.7
Turbidity, Field	NTU	-	6.88
Hardness	mg/L	-	154
Conductivity	umhos/cm	-	319
pH, Lab	pH units	9.5	7.06
Total Suspended Solids	mg/L	30	3.2
Total Dissolved Solids	mg/L	-	208
Turbidity	NTU	-	6.2
Alkalinity, Total	mg/L	-	8.3
Ammonia, Total (as N)	mg/L	-	0.74
Chloride	mg/L	-	2.8
Fluoride	mg/L	-	0.056
Nitrate	mg/L	-	5.16
Nitrite	mg/L	-	0.05
Total Kjeldahl Nitrogen	mg/L	-	0.995
Sulfate	mg/L	-	110
Phosphorus, Nutrient	mg/L	-	0.0022
Dissolved Organic Carbon	mg/L	-	< 0.5
Total Organic Carbon	mg/L	-	0.84
Aluminum - Total	mg/L	-	0.113
Antimony - Total	mg/L	-	< 0.0001
Arsenic - Total	mg/L	0.6	< 0.0001
Barium - Total	mg/L	-	0.00702
Cadmium - Total	mg/L	-	0.0000457
Calcium - Total	mg/L	-	9.17
Chromium - Total	mg/L	-	0.0008
Cobalt - Total	mg/L	-	0.00655
Copper - Total	mg/L	0.6	0.00228
Iron - Total	mg/L	-	0.389
Lead - Total	mg/L	0.2	0.000141
Lithium - Total	mg/L	-	0.0057
Magnesium - Total	mg/L	-	28.4
Manganese - Total	mg/L	-	0.639
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	0.00154
Nickel - Total	mg/L	1	0.011
Phosphorus, Total	mg/L	-	< 0.05
Potassium - Total	mg/L	-	2.4
Selenium - Total	mg/L	-	0.00149
Sodium - Total	mg/L	-	1.17
Strontium - Total	mg/L	-	0.0135
Thallium - Total	mg/L	-	0.000032
Tin - Total	mg/L	-	< 0.0001
Titanium - Total	mg/L	-	< 0.0039
Uranium - Total	mg/L	-	0.000224
Vanadium - Total	mg/L	-	< 0.0005
Zinc - Total	mg/L	1	< 0.003
Aluminum - Dissolved	mg/L	-	0.0012
Arsenic - Dissolved	mg/L	-	< 0.0001
Cadmium - Dissolved	mg/L	-	0.0000504
Calcium - Dissolved	mg/L	-	9.42
Copper - Dissolved	mg/L	-	0.00139
Iron - Dissolved	mg/L	-	0.027
Lead - Dissolved	mg/L	-	< 0.00005
Magnesium - Dissolved	mg/L	-	31.8
Manganese - Dissolved	mg/L	-	0.699
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	0.00134
Nickel - Dissolved	mg/L	-	0.0102
Potassium - Dissolved	mg/L	-	2.44
Selenium - Dissolved	mg/L	-	0.00176
Sodium - Dissolved	mg/L	-	1.29
Thallium - Dissolved	mg/L	-	0.00003
Uranium - Dissolved	mg/L	-	0.000092
Zinc - Dissolved	mg/L	-	0.0025
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean % Mortality - Daphnia magna	%v/v	Not Acutely Toxic	Not Acutely Toxic
Mean % Mortality - Rainbow Trout	%v/v	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-11

		Location Name	MS-11
		Sample Date & Time	2025-07-07 8:20
		ALS Laboratory Work Order	BF2500141
		Sample Type	P
Analyte	Units	Table 10 Criteria	
pH, Field	pH units	-	7.44
Specific Conductivity, Field	us/cm	-	254.3
Temperature, Field	deg C	-	6.6
Turbidity, Field	NTU	-	1.43
Hardness	mg/L	-	126
Conductivity	umhos/cm	-	262
pH, Lab	pH units	9.5	7.73
Total Suspended Solids	mg/L	30	< 1.4
Total Dissolved Solids	mg/L	-	148
Turbidity	NTU	-	0.47
Alkalinity, Total	mg/L	-	64.6
Ammonia, Total (as N)	mg/L	-	0.0083
Chloride	mg/L	-	5.04
Fluoride	mg/L	-	0.126
Nitrate	mg/L	-	2
Nitrite	mg/L	-	< 0.01
Total Kjeldahl Nitrogen	mg/L	-	0.237
Sulfate	mg/L	-	44.4
Phosphorus, Nutrient	mg/L	-	< 0.002
Dissolved Organic Carbon	mg/L	-	1.2
Total Organic Carbon	mg/L	-	1.44
Aluminum - Total	mg/L	-	0.0109
Antimony - Total	mg/L	-	< 0.0001
Arsenic - Total	mg/L	0.6	< 0.0001
Barium - Total	mg/L	-	0.00969
Cadmium - Total	mg/L	-	0.0000152
Calcium - Total	mg/L	-	19.3
Chromium - Total	mg/L	-	< 0.0005
Cobalt - Total	mg/L	-	0.00017
Copper - Total	mg/L	0.6	0.00124
Iron - Total	mg/L	-	0.012
Lead - Total	mg/L	0.2	< 0.00005
Lithium - Total	mg/L	-	0.0048
Magnesium - Total	mg/L	-	15.9
Manganese - Total	mg/L	-	0.00131
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	0.00822
Nickel - Total	mg/L	1	< 0.0005
Phosphorus, Total	mg/L	-	< 0.05
Potassium - Total	mg/L	-	5
Selenium - Total	mg/L	-	0.000226
Sodium - Total	mg/L	-	2.45
Strontium - Total	mg/L	-	0.0522
Thallium - Total	mg/L	-	0.000013
Tin - Total	mg/L	-	< 0.0001
Titanium - Total	mg/L	-	< 0.0003
Uranium - Total	mg/L	-	0.00589
Vanadium - Total	mg/L	-	< 0.0005
Zinc - Total	mg/L	1	< 0.003
Aluminum - Dissolved	mg/L	-	0.0044
Arsenic - Dissolved	mg/L	-	< 0.0001
Cadmium - Dissolved	mg/L	-	0.0000157
Calcium - Dissolved	mg/L	-	21
Copper - Dissolved	mg/L	-	0.00123
Iron - Dissolved	mg/L	-	< 0.01
Lead - Dissolved	mg/L	-	< 0.00005
Magnesium - Dissolved	mg/L	-	17.8
Manganese - Dissolved	mg/L	-	0.00142
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	0.00787
Nickel - Dissolved	mg/L	-	< 0.0005
Potassium - Dissolved	mg/L	-	5.41
Selenium - Dissolved	mg/L	-	0.000246
Sodium - Dissolved	mg/L	-	2.67
Thallium - Dissolved	mg/L	-	0.000012
Uranium - Dissolved	mg/L	-	0.00596
Zinc - Dissolved	mg/L	-	< 0.001
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean % Mortality - Daphnia magna	%v/v	Not Acutely Toxic	Not Acutely Toxic
Mean % Mortality - Rainbow Trout	%v/v	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
Half value used in monthly average when value is less than detection limit.
pH criteria is a range;6.0-9.5.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Baffinland

Table 3.1: Flow and Volume Measurements - Part I Item 11 - July 2025

DATE	Camp Lake Freshwater for Domestic Use - Daily Water MS-MRY-1 (m^3)[1]	Camp Lake Freshwater for Industrial Use - Daily Water MS-MRY-1 (m^3)[1]	Treated Sewage Effluent from MS-01B to Discharge Location #1 (m^3)	Sewage Sludge Removed from Mine Site WWTPs to Incinerator or Disposal Offsite by Backhaul (m^3)	Sewage Sludge/Off-Spec Effluent Removed from Mine Site WWTPs to PWSP at Mine Site (m^3)	Km 32 Lake Milne Port Camp Daily Water Use for Domestic Purposes MP-MRY-3 (m^3)	Km 32 Lake Milne Port Camp Daily Water Use for Industrial Purposes MP-MRY-3 (m^3)	Treated Sewage Effluent from MP-01 to Milne Inlet (m^3)	Treated Sewage Effluent from MP-01B to Milne Inlet (m^3)	Sewage Sludge Removed from Milne Port WWTPs to Incinerator or Disposal Offsite by Backhaul (m^3)	Water Use for Dust Suppression from Authorized Sources (m^3)	Effluent Discharge from Mine Site Crusher Pad Sedimentation Pond (MS-06) (m^3)	Effluent Discharge from Mine Site Run of Mine Ore Stockpile Pond Stormwater (MS-07) (m^3)	Effluent Discharge from Mine Site Waste Rock Stockpile Pond (MS-08) (m^3)	Effluent from KM105 Surface Water Management Pond (MS-11) (m^3)[2]	Effluent Discharge from Milne Port Ore Stockpile Sedimentation Pond (West) to Milne Inlet (MP-06) (m^3)	Effluent Discharge from Milne Port Bulk Fuel Tank Farm Facility to Milne Inlet (MP-03) (m^3)	Effluent Discharge from Mine Site Bulk Fuel Storage Facility Stormwater (MS-03B) (m^3)
1-Jul-25	99.6	17.5	105.6	0.6	0.0	47.7	0.0	21.0	31.3	0.2	908.4	0.0	0.0	4,754.3	2,880.7	0.0	0.0	0.0
2-Jul-25	102.6	0.0	101.9	0.6	0.0	42.6	0.0	23.0	28.2	0.2	847.8	0.0	0.0	5,196.4	2,372.1	0.0	0.0	0.0
3-Jul-25	100.9	18.8	116.8	0.4	0.0	39.9	0.0	17.0	20.0	0.1	575.3	0.0	0.0	5,316.6	1,547.5	0.0	0.0	0.0
4-Jul-25	92.5	15.2	96.7	0.4	0.0	32.0	0.0	18.0	32.4	0.2	545.0	0.0	0.0	5,278.5	1,016.4	0.0	0.0	0.0
5-Jul-25	94.5	12.5	107.7	0.6	0.0	75.4	0.0	24.0	36.7	0.2	726.7	0.0	0.0	5,834.3	785.6	0.0	0.0	0.0
6-Jul-25	101.3	8.5	104.6	0.6	0.0	68.2	0.0	22.0	22.0	0.2	635.9	0.0	0.0	4,163.0	677.4	0.0	0.0	0.0
7-Jul-25	88.5	29.2	102.1	0.4	0.0	31.6	1.0	21.0	25.5	0.1	302.8	0.0	0.0	4,032.0	632.3	0.0	0.0	0.0
8-Jul-25	131.4	0.0	114.6	0.9	0.0	34.5	0.0	20.0	20.4	0.2	575.3	0.0	0.0	4,024.0	606.4	0.0	0.0	0.0
9-Jul-25	82.7	28.3	124.0	0.9	0.0	74.1	0.0	19.0	32.0	0.2	787.3	0.0	0.0	1,535.0	576.7	0.0	0.0	0.0
10-Jul-25	103.5	11.1	121.2	0.9	0.0	34.8	0.0	19.0	30.5	0.2	30.3	0.0	0.0	6,637.5	698.7	0.0	0.0	0.0
11-Jul-25	110.8	0.0	108.2	0.9	0.0	8.9	0.0	20.0	31.4	0.2	0.0	0.0	0.0	1,230.6	1,843.7	481.4	0.0	0.0
12-Jul-25	92.6	15.5	119.4	0.6	0.0	50.5	0.0	22.0	39.0	0.2	0.0	0.0	0.0	1,452.0	5,071.4	1759.7	0.0	0.0
13-Jul-25	89.7	0.0	111.5	0.9	0.0	46.0	0.0	19.0	31.2	0.1	0.0	0.0	0.0	1,995.0	14,501.6	1276.8	0.0	0.0
14-Jul-25	92.2	30.3	104.1	1.3	8.0	49.9	0.0	20.0	34.9	0.1	0.0	0.0	0.0	4,261.0	13,320.8	621.6	0.0	0.0
15-Jul-25	80.3	13.4	84.2	1.7	8.0	42.4	0.0	21.0	23.6	0.1	0.0	0.0	0.0	6,363.0	13,097.7	0.0	0.0	0.0
16-Jul-25	109.6	13.2	89.4	1.1	0.0	27.6	0.0	23.0	34.4	0.0	0.0	76.4	0.0	5,717.0	21,187.6	0.0	0.0	0.0
17-Jul-25	114.4	24.4	97.7	1.7	0.0	55.3	2.0	20.0	38.1	0.1	0.0	51.0	0.0	5,313.0	18,613.5	0.0	0.0	0.0
18-Jul-25	135.9	24.6	124.9	1.7	0.0	51.7	0.0	15.0	39.5	0.2	0.0	124.6	0.0	5,875.6	12,190.1	821.5	0.0	0.0
19-Jul-25	125.0	34.9	100.8	1.7	0.0	66.5	0.0	19.0	28.7	0.1	363.4	288.2	913.1	6,170.9	9,242.9	974.5	0.0	0.0
20-Jul-25	119.5	10.7	119.1	1.7	0.0	57.0	1.5	24.0	27.7	0.0	605.6	166.2	913.1	4,946.8	7,752.0	0.0	0.0	0.0
21-Jul-25	114.3	1.2	136.8	1.7	0.0	29.4	0.0	16.0	28.4	0.2	545.0	252.3	15.8	4,695.3	6,545.6	0.0	0.0	0.0
22-Jul-25	127.7	18.0	125.0	1.5	0.0	56.6	0.0	16.0	30.9	0.2	666.2	216.6	0.0	5,475.5	5,647.2	269.6	501.8	0.0
23-Jul-25	131.8	0.0	127.0	1.5	0.0	42.0	0.0	21.0	36.3	0.2	333.1	156.8	0.0	5,577.7	5,038.8	1424.9	459.8	0.0
24-Jul-25	106.8	1.7	136.7	1.5	0.0	53.6	0.0	20.0	36.4	0.2	605.6	190.2	0.0	4,980.9	4,557.2	0.0	0.0	0.0
25-Jul-25	75.2	28.6	130.9	1.5	0.0	68.7	2.0	20.0	28.0	0.1	514.8	229.6	0.0	5,125.7	4,089.5	0.0	0.0	0.0
26-Jul-25	103.4	28.9	102.6	0.9	0.0	50.6	0.0	19.0	32.9	0.1	514.8	102.1	0.0	4,830.8	3,590.9	518.7	0.0	0.0
27-Jul-25	103.7	9.0	119.8	1.0	0.0	39.2	0.0	20.0	27.7	0.0	484.5	0.0	0.0	5,364.3	3,208.1	0.0	0.0	0.0
28-Jul-25	92.3	18.5	108.0	1.0	0.0	48.6	2.0	24.0	24.7	0.3	423.9	18.9	0.0	5,309.0	3,027.9	0.0	0.0	0.0
29-Jul-25	100.4	12.4	105.6	1.3	0.0	41.5	0.0	24.0	32.7	0.3	242.2	620.5	0.0	5,360.0	2,860.0	0.0	0.0	1045.4
30-Jul-25	101.6	40.3	128.0	1.1	0.0	34.2	0.0	30.0	37.0	0.3	242.2	0.0	0.0	2,354.3	2,712.3	740.9	0.0	888.7
31-Jul-25	90.3	10.9	123.5	1.7	0.0	32.3	0.0	29.0	32.2	0.2	363.4	0.0	0.0	3,337.1	2,531.6	1188.7	0.0	0.0
Total	**3,215.1**	**477.6**	**3,498.4**	**34.0**	**16.0**	**1,433.3**	**8.5**	**646.0**	**954.8**	**4.5**	**11,839.5**	**2,493.3**	**1,841.9**	**142,507.3**	**172,424.0**	**10,078.3**	**961.6**	**1,934.1**

Notes:

WWTP - Waste Water Treatment Plant

PWSP - Polishing Waste Stabilization Pond

[1] Tracking may be influenced by reported data to the Pi data system; variances between reported domestic and industrial values have potential to occur. However, total daily withdrawal

[2] Discharge values presented for MS-11 are provisional and based on unverified stage-discharge rating curves. These values may be subject to revision pending further field validation and hydrologic review. The MS-C-AB catchment is generally considered a reliable monitoring location due to its relatively stable flow regime and minimal influence from erratic hydrological