

October 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
September 2025**

The following is the monthly report for September 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 September 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 September 2025.

Monitoring Program Results

Water Sampling and Analysis Results

Table 2 provides the analytical results related to the monitoring program facilities. In September 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 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. Due to the onset of colder temperatures and snowfall within the region, the pressure transducers were removed on September 9, 2025. Following the removal of pressure transducers, weekly spot flow measurements were conducted to estimate discharge and have been extrapolated to the corresponding week.

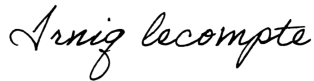
Flow and Volume Measurements

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

Reviewed by:



Irniq Lecompte
Environmental Specialist

William Bowden
Environmental Manager

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

Attachments

Attachments – Table 1, Table 2, Table 3.1

**Table 1.1: Monitoring Program
Water Sampling Summary**

Location	Location Description	Sample Date & Time	Sample Type	Lab Sample ID
MP-01	Sewage Treatment Facility	2025-09-02 13:10	P	WT2524538-001
MP-01	Sewage Treatment Facility	2025-09-02 13:10	TB	WT2524538-002
MP-01B	Sewage Treatment Facility	2025-09-02 13:30	P	WT2524538-003
MP-01B	Sewage Treatment Facility	2025-09-02 13:30	TB	WT2524538-005
MP-06	Ore Stockpile Sedimentation Pond	2025-09-01 14:30	P	BF2500314-002
MS-01B	Sewage Treatment Facility	2025-09-02 13:40	P	WT2524541-002
MS-01B	Sewage Treatment Facility	2025-09-02 13:40	TB	WT2524541-003
MS-05	Mine Site Landfarm Facility	2025-09-01 11:55	P	BF2500310-001
MS-07	Run of Mine Ore Stockpile Pond	2025-09-02 11:45	P	BF2500312-001
MS-08	Mine Waste Rock Stockpile Pond	2025-09-05 08:40	P	BF2500320-001
MS-11	KM105 Pond Stormwater	2025-09-01 12:45	P	BF2500309-001

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		2025-09-02 13:10	2025-09-02 13:10
ALS Laboratory Work Order		WT2524538	WT2524538
Sample Type		P	TB
Analyte	Units		
pH, Lab	pH units	7.53	5.15
Total Suspended Solids	mg/L	< 1	< 1
Total Dissolved Solids	mg/L	821	< 10
Turbidity	NTU	0.44	< 0.1
Alkalinity, Total	mg/L	41.1	< 2
Ammonia, Total (as N)	mg/L	0.171	< 0.005
Phosphorus, Nutrient	mg/L	8.32	< 0.002
Total Kjeldahl Nitrogen	mg/L	5.69	< 0.05
Fecal Coliforms	CFU/100mL	< 1	< 1
BOD	mg/L	< 2	< 2
Oil and Grease, Total	mg/L	< 5	< 5

Notes:
Highlight indicate result exceeded applicable criteria.
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		2025-09-02 13:30	2025-09-02 13:30
ALS Laboratory Work Order		WT2524538	WT2524538
Sample Type		P	TB
Analyte	Units		
pH, Lab	pH units	8.08	6.06
Total Suspended Solids	mg/L	< 1	< 1
Total Dissolved Solids	mg/L	676	< 10
Turbidity	NTU	0.16	< 0.1
Alkalinity, Total	mg/L	121	< 2
Ammonia, Total (as N)	mg/L	0.0331	0.0252
Phosphorus, Nutrient	mg/L	8.47	< 0.002
Total Kjeldahl Nitrogen	mg/L	5.18	< 0.05
Fecal Coliforms	CFU/100mL	3	< 1
BOD	mg/L	< 2	< 2
Oil and Grease, Total	mg/L	< 5	< 5

Notes:
Highlight indicate result exceeded applicable criteria.
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		2025-09-01 14:30
ALS Laboratory Work Order		BF2500314
Sample Type		P
Analyte	Units	
Hardness	mg/L	373
Specific Conductivity, Field	us/cm	903
pH, Field	pH units	8.46
pH, Lab	pH units	8.29
Temperature, Field	deg C	2.3
Total Suspended Solids	mg/L	1.6
Turbidity, Field	NTU	9.71
Total Dissolved Solids	mg/L	551
Turbidity	NTU	4.8
Alkalinity, Total	mg/L	176
Ammonia, Total (as N)	mg/L	0.0226
Chloride	mg/L	83.8
Fluoride	mg/L	0.233
Nitrate	mg/L	3.87
Nitrite	mg/L	< 0.01
Phosphorus, Nutrient	mg/L	0.0038
Total Kjeldahl Nitrogen	mg/L	0.466
Sulfate	mg/L	136
Phenols	ug/L	< 1
Dissolved Organic Carbon	mg/L	3.72
Total Organic Carbon	mg/L	4.51
Aluminum - Total	mg/L	0.0517
Antimony - Total	mg/L	0.00011
Arsenic - Total	mg/L	0.00022
Barium - Total	mg/L	0.0121
Cadmium - Total	mg/L	< 0.000005
Calcium - Total	mg/L	75.3
Chromium - Total	mg/L	< 0.0005
Cobalt - Total	mg/L	0.00029
Copper - Total	mg/L	0.00129
Iron - Total	mg/L	0.107
Lead - Total	mg/L	0.000078
Lithium - Total	mg/L	0.017
Magnesium - Total	mg/L	44.9
Manganese - Total	mg/L	0.0213
Mercury - Total	mg/L	< 0.000005
Molybdenum - Total	mg/L	0.00522
Nickel - Total	mg/L	0.00078
Phosphorus, Total	mg/L	< 0.05
Potassium - Total	mg/L	7.78
Selenium - Total	mg/L	0.000156
Sodium - Total	mg/L	48.5
Strontium - Total	mg/L	0.225
Thallium - Total	mg/L	0.000017
Tin - Total	mg/L	< 0.0001
Titanium - Total	mg/L	< 0.0009
Uranium - Total	mg/L	0.189
Vanadium - Total	mg/L	< 0.0005
Zinc - Total	mg/L	0.0038
Aluminum - Dissolved	mg/L	0.0111
Arsenic - Dissolved	mg/L	0.00025
Cadmium - Dissolved	mg/L	< 0.000005
Calcium - Dissolved	mg/L	74
Copper - Dissolved	mg/L	0.00134
Iron - Dissolved	mg/L	0.024
Lead - Dissolved	mg/L	< 0.00005
Magnesium - Dissolved	mg/L	40.8
Manganese - Dissolved	mg/L	0.0137
Mercury - Dissolved	mg/L	< 0.000005
Molybdenum - Dissolved	mg/L	0.00547
Nickel - Dissolved	mg/L	0.00067
Potassium - Dissolved	mg/L	7.45
Selenium - Dissolved	mg/L	0.000197
Sodium - Dissolved	mg/L	46
Thallium - Dissolved	mg/L	0.00002
Uranium - Dissolved	mg/L	0.186
Zinc - Dissolved	mg/L	0.0031
Visible Sheen	None	No Visible Sheen

Notes:
Highlight indicate result exceeded applicable criteria.
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			2025-09-02 13:40	2025-09-02 13:40
ALS Laboratory Work Order			WT2524541	WT2524541
Sample Type			P	TB
Analyte	Units	Criteria		
pH, Lab	pH units	6.0 - 9.5	7.62	5.57
Total Suspended Solids	mg/L	30	< 1	< 1
Total Dissolved Solids	mg/L	-	703	< 10
Turbidity	NTU	-	0.23	< 0.1
Alkalinity, Total	mg/L	-	64.8	< 2
Ammonia, Total (as N)	mg/L	4	0.0214	< 0.005
Phosphorus, Nutrient	mg/L	4	0.101	0.0046
Total Kjeldahl Nitrogen	mg/L	-	3.3	< 0.05
Fecal Coliforms	CFU/100mL	1000	< 1	< 1
BOD	mg/L	30	< 2	< 2
Oil and Grease, Total	mg/L	-	< 5	< 5
Visible Sheen	None	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:
Highlight indicate result exceeded applicable criteria.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

Location Name			MS-05
Sample Date & Time			2025-09-01 11:55
ALS Laboratory Work Order			BF2500310
Sample Type			P
Analyte	Units	Criteria	
pH, Lab	pH units	6.0 - 9.5	7.96
Total Suspended Solids	mg/L	30	4.6
Total Dissolved Solids	mg/L	-	206
Turbidity	NTU	-	8.58
Arsenic - Total	mg/L	-	0.00029
Copper - Total	mg/L	-	0.00262
Lead - Total	mg/L	0.2	0.000154
Nickel - Total	mg/L	-	0.00153
Zinc - Total	mg/L	-	0.0048
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	-	3680
F4 (C34-C50)	ug/L	-	460
Total Petroleum Hydrocarbons (C6-C50)	ug/L	-	4140
Oil and Grease, Total	mg/L	15	5.2
Visible Sheen	None	No Visible Sheen	No Visible Sheen

Notes:
Highlight indicate result exceeded applicable criteria.
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			2025-09-02 11:45
ALS Laboratory Work Order			BF2500312
Sample Type			P
Analyte	Units	Criteria	
Hardness	mg/L	-	286
Specific Conductivity, Field	us/cm	-	631
Conductivity	umhos/cm	-	644
pH, Field	pH units	6.0 - 9.5	7.38
pH, Lab	pH units	6.0 - 9.5	7.25
Temperature, Field	deg C	-	6.3
Total Suspended Solids	mg/L	30	9.4
Turbidity, Field	NTU	-	2.57
Total Dissolved Solids	mg/L	-	431
Turbidity	NTU	-	2.82
Alkalinity, Total	mg/L	-	17.4
Ammonia, Total (as N)	mg/L	-	0.362
Chloride	mg/L	-	25.3
Fluoride	mg/L	-	0.046
Nitrate	mg/L	-	8.29
Nitrite	mg/L	-	0.104
Phosphorus, Nutrient	mg/L	-	< 0.004
Total Kjeldahl Nitrogen	mg/L	-	0.696
Sulfate	mg/L	-	221
Dissolved Organic Carbon	mg/L	-	1.28
Total Organic Carbon	mg/L	-	1.26
Aluminum - Total	mg/L	-	0.0402
Antimony - Total	mg/L	-	< 0.0001
Arsenic - Total	mg/L	0.6	< 0.0001
Barium - Total	mg/L	-	0.0163
Cadmium - Total	mg/L	-	0.000137
Calcium - Total	mg/L	-	27.6
Chromium - Total	mg/L	-	< 0.0005
Cobalt - Total	mg/L	-	0.00187
Copper - Total	mg/L	0.6	0.00064
Iron - Total	mg/L	-	0.056
Lead - Total	mg/L	0.2	0.000245
Lithium - Total	mg/L	-	0.0128
Magnesium - Total	mg/L	-	56.7
Manganese - Total	mg/L	-	2.33
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	0.00124
Nickel - Total	mg/L	1	0.00385
Phosphorus, Total	mg/L	-	< 0.05
Potassium - Total	mg/L	-	6.15
Selenium - Total	mg/L	-	0.000667
Sodium - Total	mg/L	-	10.6
Strontium - Total	mg/L	-	0.0514
Thallium - Total	mg/L	-	0.000031
Tin - Total	mg/L	-	< 0.0001
Titanium - Total	mg/L	-	0.00137
Uranium - Total	mg/L	-	0.000688
Vanadium - Total	mg/L	-	< 0.0005
Zinc - Total	mg/L	1	< 0.003
Aluminum - Dissolved	mg/L	-	0.0016
Arsenic - Dissolved	mg/L	-	< 0.0001
Cadmium - Dissolved	mg/L	-	0.000142
Calcium - Dissolved	mg/L	-	28.4
Copper - Dissolved	mg/L	-	0.00048
Iron - Dissolved	mg/L	-	< 0.01
Lead - Dissolved	mg/L	-	< 0.00005
Magnesium - Dissolved	mg/L	-	52.2
Manganese - Dissolved	mg/L	-	2.14
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	0.0013
Nickel - Dissolved	mg/L	-	0.00376
Potassium - Dissolved	mg/L	-	5.92
Selenium - Dissolved	mg/L	-	0.000714
Sodium - Dissolved	mg/L	-	9.98
Thallium - Dissolved	mg/L	-	0.000031
Uranium - Dissolved	mg/L	-	0.000719
Zinc - Dissolved	mg/L	-	0.0011
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean Mortality - Daphnia magna	-	Not Acutely Toxic	Not Acutely Toxic
Mean Mortality - Rainbow Trout	-	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
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	
		2025-09-05 08:40	
		ALS Laboratory Work Order	
		BF2500320	
		Sample Type	
		P	
Analyte	Units	Criteria	
Hardness	mg/L	-	616
Specific Conductivity, Field	us/cm	-	724
Conductivity	umhos/cm	-	1090
pH, Field	pH units	-	7.51
pH, Lab	pH units	6.0 - 9.5	6.53
Temperature, Field	deg C	-	2.2
Total Suspended Solids	mg/L	30	3.3
Turbidity, Field	NTU	-	11.06
Total Dissolved Solids	mg/L	-	1010
Turbidity	NTU	-	19.9
Alkalinity, Total	mg/L	-	3.1
Ammonia, Total (as N)	mg/L	-	2.05
Chloride	mg/L	-	13.8
Fluoride	mg/L	-	< 0.1
Nitrate	mg/L	-	26.7
Nitrite	mg/L	-	0.218
Phosphorus, Nutrient	mg/L	-	< 0.002
Total Kjeldahl Nitrogen	mg/L	-	2.71
Sulfate	mg/L	-	569
Dissolved Organic Carbon	mg/L	-	1.76
Total Organic Carbon	mg/L	-	1.55
Aluminum - Total	mg/L	-	0.063
Antimony - Total	mg/L	-	< 0.0001
Arsenic - Total	mg/L	0.6	< 0.0001
Barium - Total	mg/L	-	0.0208
Cadmium - Total	mg/L	-	0.000142
Calcium - Total	mg/L	-	39.5
Chromium - Total	mg/L	-	< 0.0005
Cobalt - Total	mg/L	-	0.0347
Copper - Total	mg/L	0.6	0.00339
Iron - Total	mg/L	-	1.7
Lead - Total	mg/L	0.2	< 0.00005
Lithium - Total	mg/L	-	0.0162
Magnesium - Total	mg/L	-	132
Manganese - Total	mg/L	-	3.53
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	0.000392
Nickel - Total	mg/L	1	0.0486
Phosphorus, Total	mg/L	-	< 0.05
Potassium - Total	mg/L	-	5.99
Selenium - Total	mg/L	-	0.00608
Sodium - Total	mg/L	-	5.14
Strontium - Total	mg/L	-	0.0639
Thallium - Total	mg/L	-	0.000097
Tin - Total	mg/L	-	< 0.0001
Titanium - Total	mg/L	-	0.00226
Uranium - Total	mg/L	-	0.000239
Vanadium - Total	mg/L	-	< 0.0005
Zinc - Total	mg/L	1	0.007
Aluminum - Dissolved	mg/L	-	< 0.001
Arsenic - Dissolved	mg/L	-	< 0.0001
Cadmium - Dissolved	mg/L	-	0.000135
Calcium - Dissolved	mg/L	-	37.4
Copper - Dissolved	mg/L	-	0.00272
Iron - Dissolved	mg/L	-	0.603
Lead - Dissolved	mg/L	-	< 0.00005
Magnesium - Dissolved	mg/L	-	127
Manganese - Dissolved	mg/L	-	3.3
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	0.000226
Nickel - Dissolved	mg/L	-	0.0458
Potassium - Dissolved	mg/L	-	5.62
Selenium - Dissolved	mg/L	-	0.00597
Sodium - Dissolved	mg/L	-	4.78
Thallium - Dissolved	mg/L	-	0.000092
Uranium - Dissolved	mg/L	-	0.000075
Zinc - Dissolved	mg/L	-	0.0066
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean Mortality - Daphnia magna	-	Not Acutely Toxic	Not Acutely Toxic
Mean Mortality - Rainbow Trout	-	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
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	2025-09-01 12:45
		ALS Laboratory Work Order	BF2500309
		Sample Type	P
Analyte	Units	Criteria	
Hardness	mg/L	-	285
Specific Conductivity, Field	us/cm	-	610
Conductivity	umhos/cm	-	625
pH, Field	pH units	-	7.82
pH, Lab	pH units	6.0 - 9.5	7.9
Temperature, Field	deg C	-	2.3
Total Suspended Solids	mg/L	30	2
Turbidity, Field	NTU	-	2.02
Total Dissolved Solids	mg/L	-	420
Turbidity	NTU	-	3.65
Alkalinity, Total	mg/L	-	93.7
Ammonia, Total (as N)	mg/L	-	< 0.005
Chloride	mg/L	-	17.9
Fluoride	mg/L	-	0.107
Nitrate	mg/L	-	8.13
Nitrite	mg/L	-	< 0.01
Phosphorus, Nutrient	mg/L	-	0.003
Total Kjeldahl Nitrogen	mg/L	-	0.431
Sulfate	mg/L	-	149
Dissolved Organic Carbon	mg/L	-	1.83
Total Organic Carbon	mg/L	-	2.64
Aluminum - Total	mg/L	-	0.0762
Antimony - Total	mg/L	-	< 0.0001
Arsenic - Total	mg/L	0.6	0.0001
Barium - Total	mg/L	-	0.0217
Cadmium - Total	mg/L	-	0.0000484
Calcium - Total	mg/L	-	48.4
Chromium - Total	mg/L	-	0.00051
Cobalt - Total	mg/L	-	0.00067
Copper - Total	mg/L	0.6	0.00202
Iron - Total	mg/L	-	0.096
Lead - Total	mg/L	0.2	0.000708
Lithium - Total	mg/L	-	0.0083
Magnesium - Total	mg/L	-	46.2
Manganese - Total	mg/L	-	0.012
Mercury - Total	mg/L	-	< 0.000005
Molybdenum - Total	mg/L	-	0.00546
Nickel - Total	mg/L	1	0.00096
Phosphorus, Total	mg/L	-	< 0.05
Potassium - Total	mg/L	-	6.96
Selenium - Total	mg/L	-	0.000572
Sodium - Total	mg/L	-	7.79
Strontium - Total	mg/L	-	0.117
Thallium - Total	mg/L	-	0.000013
Tin - Total	mg/L	-	< 0.0001
Titanium - Total	mg/L	-	0.00285
Uranium - Total	mg/L	-	0.0201
Vanadium - Total	mg/L	-	< 0.0005
Zinc - Total	mg/L	1	< 0.003
Aluminum - Dissolved	mg/L	-	0.0031
Arsenic - Dissolved	mg/L	-	< 0.0001
Cadmium - Dissolved	mg/L	-	0.000032
Calcium - Dissolved	mg/L	-	47.2
Copper - Dissolved	mg/L	-	0.00148
Iron - Dissolved	mg/L	-	< 0.01
Lead - Dissolved	mg/L	-	< 0.00005
Magnesium - Dissolved	mg/L	-	40.7
Manganese - Dissolved	mg/L	-	0.00595
Mercury - Dissolved	mg/L	-	< 0.000005
Molybdenum - Dissolved	mg/L	-	0.0055
Nickel - Dissolved	mg/L	-	0.00069
Potassium - Dissolved	mg/L	-	6.64
Selenium - Dissolved	mg/L	-	0.000686
Sodium - Dissolved	mg/L	-	7.47
Thallium - Dissolved	mg/L	-	0.000014
Uranium - Dissolved	mg/L	-	0.0201
Zinc - Dissolved	mg/L	-	< 0.001
Visible Sheen	None	No Visible Sheen	No Visible Sheen
Mean Mortality - Daphnia magna	-	Not Acutely Toxic	Not Acutely Toxic
Mean Mortality - Rainbow Trout	-	Not Acutely Toxic	Not Acutely Toxic

Notes:
Highlight indicate result exceeded applicable criteria.
Sample Type:
P-Permitted
FD-Field Duplicate
FB-Field Blank
TB-Trip Blank

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

DATE	Camp Lake Freshwater for Domestic Use - Daily Water MS-MRY-1 (m³) ¹	Camp Lake Freshwater for Industrial Use - Daily Water MS-MRY-1 (m³) ¹	Treated Sewage Effluent from MS-01B to Discharge Location #1 (m³)	Sewage Sludge Removed from Mine Site WWTPs to Incinerator or Disposal Offsite by Backhaul (m³)	Sewage Sludge/Off- Spec Effluent Removed from Mine Site WWTPs to PWSP at Mine Site (m³)	Sewage Sludge Removed from Lift Stations to PWSP at Mine Site (m³)	Km 32 Lake Milne Port Camp Daily Water Use for Domestic Purposes MP- MRY-3 (m³)	Km 32 Lake Milne Port Camp Daily Water Use for Industrial Purposes MP- MRY-3 (m³)	Treated Sewage Effluent from MP-01 to Milne Inlet (m³)	Treated Sewage Effluent from MP-01B to Milne Inlet (m³)	Sewage Sludge Removed from Milne Port WWTPs to Incinerator or Disposal Offsite by Backhaul (m³)	Sewage Sludge Removed from Lift Stations to PWSP at Milne Port (m³)	Sludge Removed from Milne Port WWTPs/WTPs to PWSP at Milne Port (m³)	Water Use for Dust Suppression from Authorized Sources (m³)	Effluent Discharge from Mine Site Run of Mine Ore Stockpile Pond Stormwater (MS-07) (m³)	Effluent Discharge from Mine Site Waste Rock Stockpile Pond (MS-08) (m³)	Effluent from KM105 Surface Water Management Pond (MS-11) (m³) ²	Effluent Discharge from Milne Port Ore Stockpile Sedimentation Pond (West) to Milne Inlet (MP-06) (m³)	Effluent Discharge from Mine Site Landfarm Facility to Tundra (MS-05) (m³)
1-Sep-25	98.2	0.0	102.9	0.9	0.0	0.0	52.3	0.0	23.0	28.6	0.2	0.0	0.0	0.0	0.0	0.0	3,902.8	202.7	781.0
2-Sep-25	87.0	0.0	98.8	1.7	0.0	0.0	46.9	0.0	26.0	31.4	0.2	0.0	0.0	0.0	1196.4	0.0	3,582.4	67.5	288.5
3-Sep-25	84.9	38.5	115.8	2.6	0.0	0.0	58.7	0.0	24.0	36.6	0.2	0.0	0.0	0.0	1413.2	0.0	3,363.2	0.0	0.0
4-Sep-25	89.4	9.7	104.9	0.2	0.0	0.0	49.6	0.0	27.0	30.1	0.2	0.0	0.0	0.0	0.0	0.0	3,228.8	0.0	0.0
5-Sep-25	86.5	0.0	97.6	0.4	0.0	0.0	52.9	0.0	25.0	29.2	0.2	0.0	0.0	0.0	0.0	1,838.5	3,027.6	0.0	0.0
6-Sep-25	90.9	11.9	100.5	0.9	0.0	0.0	61.9	0.0	20.0	28.2	0.1	0.0	0.0	0.0	0.0	2,083.6	2,714.2	0.0	0.0
7-Sep-25	104.7	0.0	97.9	0.9	0.0	0.0	52.9	0.0	26.0	29.8	0.2	0.0	0.0	0.0	0.0	0.0	2,393.0	0.0	0.0
8-Sep-25	81.5	30.2	97.3	1.7	0.0	0.0	55.2	0.0	28.0	33.5	0.2	0.0	0.0	0.0	0.0	0.0	2,095.8	0.0	0.0
9-Sep-25	117.5	6.8	95.8	1.7	0.0	0.0	51.2	0.0	29.0	29.5	0.2	0.0	0.0	0.0	0.0	0.0	1,382.4	896.1	0.0
10-Sep-25	94.1	0.0	114.4	0.9	0.0	0.0	50.6	0.0	30.0	30.2	0.1	0.0	0.0	0.0	0.0	0.0	1,382.4	687.9	0.0
11-Sep-25	72.1	52.1	111.1	1.1	0.0	0.0	63.2	0.0	28.0	35.7	0.2	0.0	0.0	0.0	0.0	0.0	1,382.4	0.0	0.0
12-Sep-25	94.6	12.9	106.0	0.9	0.0	0.0	29.1	0.0	22.0	30.9	0.1	0.0	0.0	0.0	0.0	0.0	1,382.4	1917.4	0.0
13-Sep-25	89.7	9.9	102.9	0.9	0.0	0.0	65.3	0.0	21.0	27.0	0.2	0.0	0.0	0.0	0.0	0.0	1,382.4	0.0	0.0
14-Sep-25	82.6	13.9	103.1	0.9	0.0	0.0	53.6	1.0	25.0	23.7	0.1	0.0	0.0	0.0	0.0	0.0	1,382.4	0.0	0.0
15-Sep-25	84.4	8.0	91.1	0.9	0.0	0.0	55.4	0.0	28.0	29.9	0.2	0.0	0.0	0.0	0.0	0.0	1,382.4	0.0	0.0
16-Sep-25	88.1	30.3	90.9	0.9	0.0	0.0	46.1	0.0	24.0	24.2	0.2	0.0	0.0	0.0	0.0	0.0	518.4	0.0	0.0
17-Sep-25	106.7	8.7	113.3	1.7	0.0	0.0	67.5	0.0	20.0	32.5	0.1	0.0	0.0	0.0	0.0	0.0	518.4	0.0	0.0
18-Sep-25	104.9	0.0	127.3	1.7	0.0	0.0	80.4	0.0	20.0	28.6	0.1	0.0	0.0	0.0	0.0	0.0	518.4	0.0	0.0
19-Sep-25	74.6	33.0	129.1	1.7	0.0	0.0	57.4	0.0	22.0	26.6	0.2	0.0	0.0	0.0	0.0	0.0	518.4	0.0	0.0
20-Sep-25	67.7	43.8	106.9	0.0	10.0	0.0	36.7	0.0	24.0	40.3	0.2	0.0	0.0	0.0	0.0	0.0	518.4	0.0	0.0
21-Sep-25	95.6	13.8	70.8	0.4	12.0	18.0	67.2	0.0	29.0	29.4	0.2	0.0	0.0	0.0	0.0	0.0	518.4	0.0	0.0
22-Sep-25	97.1	9.0	85.5	0.4	0.0	0.0	62.4	0.0	31.0	30.7	0.2	0.0	0.0	0.0	0.0	0.0	172.8	0.0	0.0
23-Sep-25	88.8	13.0	89.0	0.9	0.0	0.0	61.2	0.0	29.0	35.7	0.2	0.0	0.0	0.0	0.0	0.0	172.8	0.0	0.0
24-Sep-25	101.2	2.0	91.2	1.1	0.0	0.0	48.3	0.0	28.0	31.7	0.2	0.0	0.0	0.0	0.0	0.0	172.8	0.0	0.0
25-Sep-25	96.1	19.1	108.0	0.9	0.0	0.0	48.9	0.0	31.0	33.6	0.2	0.0	0.0	0.0	0.0	0.0	172.8	0.0	0.0
26-Sep-25	101.3	21.4	88.8	0.9	0.0	0.0	57.6	0.0	29.0	28.2	0.1	0.0	2.0	0.0	0.0	0.0	172.8	0.0	0.0
27-Sep-25	106.6	11.2	116.8	0.4	10.0	5.0	57.9	0.0	29.0	23.2	0.1	0.0	2.0	0.0	0.0	0.0	172.8	0.0	0.0
28-Sep-25	81.8	12.3	84.9	0.0	12.0	0.0	48.5	0.0	29.0	27.5	0.1	0.0	2.0	0.0	0.0	0.0	172.8	0.0	0.0
29-Sep-25	79.3	37.2	85.3	0.0	0.0	0.0	33.5	0.0	28.0	33.2	0.1	2.0	2.5	0.0	0.0	0.0	2,937.6	0.0	0.0
30-Sep-25	95.9	0.0	71.2	0.0	0.0	0.0	74.2	10.0	27.0	29.1	0.1	0.0	0.0	0.0	0.0	0.0	2,937.6	0.0	0.0
Total	2,743.7	448.7	2,999.1	27.0	44.0	23.0	1,646.6	11.0	782.0	908.8	4.6	2.0	8.5	0.0	2,609.6	3,922.1	44,179.8	3,771.6	1,069.5

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 is not influenced by the tracking methodology.

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 events.