Meliadine Gold Mine
NWB 2AM-MEL1631
May 2023 Monthly Report

Prepared for:
Nunavut Water Board

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

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SECTION 1 • BACKGROUND

As required under Part I, Item 9 of amended Type A Water License 2AM-MEL1631, this report documents the water management and monitoring activities at the mine site and provides a summary of spills/actions for the month of May 2023.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Table 2.1 details monthly water usage approved under Water License 2AM-MEL1631.

Table 2.1: Summary of the monthly water usage in May 2023

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2023 Total
MEL-11[1]	m^3	36,021	37,240	43,452	40,082	44,346	-	-	-	-	-	-	-	201,141
Dust suppression[2]	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0
Dust suppression (CP1)[3]	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0

2.2 DEWATERING ACTIVITIES

No dewatering activities took place during the month.

2.3 WATER DISCHARGE

Table 2.3 details monthly water discharge, including:

- discharge from the EWTP to Meliadine Lake via the Final Discharge Point (MEL-14);
- discharge of treated saline effluent to Melvin Bay via the Final Discharge Point (MEL-26), and
- discharge from the Itivia fuel containment facility (MEL-25).

[1] Camp, Mill, Dust suppression

[2] Water obtained along AWAR/Meliadine River

[3] Reclaim water obtained from CP1 and used for dust suppression on site

Table 2.3: Summary of the monthly water discharge in May 2023

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2023 Total
MEL-14	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0
MEL-26	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0
MEL-25	m^3	0	0	0	0	2,060	-	-	-	-	-	-	-	0

Discharge from the Itivia Fuel Containment Facility (MEL-25) was initiated on May 31st.

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL AND LANDFARM

The 2AM-MEL1631 landfill and landfarm were commissioned in November 2017. No seepage or runoff was observed during the month.

2.5 SEWAGE TREATMENT PLANT

Table 2.5 details monthly discharge from the Sewage Treatment Plant (STP), including the treated wastewater discharge to CP1 and sludge removed and disposed of in the WRSF.

Table 2.5: Summary of the monthly disposal/discharge from the STP in May 2023

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2023 Total
Wastewater Discharge (m^3)		5,141	4,305	4,522	4,519	4,764	-	-	-	-	-	-	-	23,251
Sewage Sludge	Amount (m^3)	17	7	20.5	18	21	-	-	-	-	-	-	-	83.5
	Disposal Location	WRSF1	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-	-	-	NA

2.6 MONITORING ANALYTICAL DATA

Fourteen (14) samples related to the Water Licence were taken during the month. The analytical results are presented in Appendix. No exceedances occurred in May 2023.

On May 7th, 2023, surface runoff was observed at monitoring station MEL-SR-1, located at the south end of the Itivia site. Field turbidity measurements indicated a potential exceedance of the TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence, which was reported as due diligence to the NT-NU 24h spill report line. Samples were collected at MEL-SR-1 and sent to an external laboratory for analysis. Analytical

results reported a concentration of 48 mg/L TSS, below the allowable TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence.

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

Table 3.1 details quarterly Landfill and Landfarm survey results, as well as the amount of material placed in the Landfarm every month.

Table 3.1: Summary of the monthly disposal in the Landfarm and quarterly survey volumes of Landfill and Landfarm

Location	Unit	Q1			Q2			Q3			Q4			2023 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m^3	25,666			23,663			-			-			-
Landfarm (Survey)	m^3	-			143			-			-			-
Landfarm[4]	m^3	0	41.5	3	5.5	46	-	-	-	-	-	-	-	96.1

[4] Amount of contaminated solid material (soil) placed in the Landfarm or lined sorting area.

3.2 ORE, WASTE ROCK STORAGE FACILITY, TAILINGS

Table 3.2 details monthly material management, including processed ore, waste rock, and tailings.

Table 3.2: Summary of the monthly material management in May 2023

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2023
Processed Ore		155,514	150,876	171,369	149,029	172,955	-	-	-	-	-	-	-	799,743
Waste Rock	Removed from open pit mining	50,606	42,866	114,885	159,630	287,354	-	-	-	-	-	-	-	655,341
	Removed from underground mining	67,109	51,780	70,674	73,390	81,439	-	-	-	-	-	-	-	344,392
	Used as underground dry rockfill	51,834	48,024	35,017	18,200	44,224	-	-	-	-	-	-	-	197,299
Tailings	Send to TSF	133,227	121,499	132,300	110,473	125,285	-	-	-	-	-	-	-	624,784
	Used as paste underground backfill	22,287	29,377	39,069	38,556	45,670	-	-	-	-	-	-	-	174,959

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

Spills reported internally (15) are listed in the table 4.1 and were managed according to Agnico Eagle's Spill Contingency Plan. Spills were contained and cleaned up, contaminated material was disposed of in an appropriate manner, and the clean-up actions were monitored closely by the Environment Department. Four (4) reportable spills occurred during the month (Refer to the gray shading in Table 4.1).

Table 4.1: Summary of Agnico Eagle's Spill Reports in May 2023

Date and time of occurrence	Contaminant	Estimated quantity	Unit	Exact location of incident	Description of incident	Describe immediate corrective actions
Thursday, May 04, 2023 11:00:00 PM	Sewage	10	L	Fusion pad	An estimated 10 L of sewage was spilled onto the fusion pad by the fusion pad wash car due to a fracture in the sewage line. No water bodies were impacted by this spill.	The sewage-impacted gravel and ice was excavated and brought to Landfarm A.
Friday, May 05, 2023 1:30:00 AM	Hydraulic Oil	10	L	TIR01	A hydraulic hose on a drill failed while operating causing an approximately 10L spill of hydraulic oil. The rupture was cause by wear on the hose.	The operator stopped the equipment immediately. Absorbent pads were used and disposed of as hazmat.

Friday, May 05, 2023 2:00:00 PM	Hydraulic Oil	5	L	North Side of Process Plant	Hydraulic oil was noticed in the snow. No vehicles were parked around the area; the cause of the spill is unknown.	Contaminated material was removed with an excavator and brought to the Landfarm A.
Saturday, May 06, 2023 11:30:00 AM	Hydraulic Oil	2.5	L	KCG laydown	After filling the primary jaw crusher with a hydraulic oil, a metal part kept the lid from closing properly. When the equipment was used after, approximately 2.5L of hydraulic oil was spilled.	The equipment was stopped. Absorbent pads were used and disposed of as hazmat.
Wednesday, May 10, 2023 8:00:00 AM	Hydraulic Oil	90	L	West vent raise	A hydraulic oil line failed resulting in a 90 L hydraulic oil spill onto the industrial pad on the west side of vent raise.	Approximately 30m^3 of contaminated material was recovered and moved to the Landfarm A sorting area.
Sunday, May 14, 2023 11:00:00 AM	Hydraulic Oil	10	L	West vent raise	A hydraulic line on a compressor failed, resulting in a 10 L hydraulic oil spill onto the industrial pad at the west vent raise.	The equipment was stopped. Absorbent pads were used and disposed as hazmat. Contaminated material was collected and approximately 1 m^3 of material was brought to the Landfarm A sorting area.

Sunday, May 21, 2023 4:00:00 PM	Non-contaminated water	400	L	Under the Kitchen	When working at the kitchen, employees found the drain line of the steam tables cracked and leaking water under the kitchen. Inspection determined that the drain line could only release water.	No cleanup required (only non-contaminated water was spilled and the ice will melt with time). Ongoing investigation is conducted to establish the cause of the spill.
Sunday, May 21, 2023 4:30:00 PM	Hydraulic Oil	4	L	Verti Mill	A hydraulic valve on a cement truck failed resulting in a 4 L hydraulic oil spill onto the industrial pad, south of the process plant.	Absorbent pads were used and disposed as hazmat. The contaminated material was recovered and placed in a quatrex bag.
Monday, May 22, 2023 12:30:00 AM	Sewage	200	L	MSB Main Lift Station	An estimated 200L of sewage was spilled to the industrial pad due to faulty levels indicator at the MSB lift station causing it to overflow. A worker discovered the spill occurring and notified his supervisor.	The Energy and Infrastructure Maintenance Supervisor was notified that the spill was occurring and immediately sent a plumber to stop the spill and troubleshoot the issue. The impacted area was cleaned up using a vacuum truck. Free liquid was recovered and returned in the Sewage Treatment Plant. The contaminated solid material was excavated and placed in the Landfarm A sorting area.

Monday, May 22, 2023 7:30:00 AM	Sewage	15	L	Power Plant south side	An estimated 15 L of sewage was spilled onto the industrial pad by the temporary power plant wash car due to a connection failure. No water bodies were impacted by this spill.	The sewage-impacted gravel and ice was excavated and brought to Landfarm A.
Monday, May 22, 2023 6:30:00 PM	Diesel	35	L	Esker pad	E&I operation was dismantling a bus with the excavator when the operator noticed fuel coming out of the fuel tank of the bus. Approximately 35 L of diesel was spilled onto the Esker pad.	The equipment was stopped. Contaminated material was collected. Contaminated wood was disposed of at the burn pad and 1m^3 of contaminated soil was brought to Landfarm A.
Tuesday, May 23, 2023 10:30:00 AM	Grey water	1,000	L	Kitchen Grease Trap	An estimated 1m^3 of kitchen grey water was spilled to the industrial pad due to a pipe failure. A worker identified the spill during a walk around the kitchen area and notified his supervisor.	The Energy and Infrastructure Maintenance Supervisor was notified of the spill and immediately shut off the water supply to the kitchen to prevent further leakage. Health and safety concerns limited equipment and personnel access to the spill location and prevented the Maintenance Team from recovering the spilled material. Due to the topography of the area and the freezing conditions at the time of the spill, the spill did not migrate from the footprint of the building, and will be reclaimed when the infrastructure is dismantled.

Tuesday, May 23, 2023 11:00:00 AM	Hydraulic Oil	80	L	E&I parking lot	An employee was carrying out the post-maintenance road test before returning a loader to service, when a malfunction occurred in the hydraulic system, causing a valve to rupture and spill approximately 80 L of oil onto the ground.	The equipment was stopped. Absorbent Pads were used, contaminated materials were disposed of as hazmat.
Tuesday, May 23, 2023 1:00:00 PM	Hydraulic Oil	50	L	WRSF3 Crushing muck pad	The operator of an excavator was retrieving material from the bottom of a muck pile. As he reached for a stone, he struck the crusher feeder boom, damaging a valve box and spilling around 50L of hydraulic oil.	The equipment was stopped. Contaminated material was collected and brought to Landfarm A.
Monday, May 29, 2023 12:30:00 PM	Diesel	1,500	L	Itivia Tank farm	During a fuel transfer at the Itivia Tank farm, the AEM fuel Tanker overflowed by the back and the top vent resulting in an approximately 1500 L spill of diesel. The spill occurred inside the refueling area which is a contained, lined area.	The employee stopped the fuel transfer immediately and all valves were closed on the fuel tanker. The spill will be collected using the sucker truck and brought back to Meliadine site to existing water treatment infrastructure.

Appendix – Monitoring Analytical Data

	Sample date	5/2/2023
	Sample name	MEL-11
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.25
Turbidity	**NTU**	0.1
Specific conductivity	**umhos/cm**	160
Hardness, as CaCO3	**mg/L**	46.0
Total alkalinity, as CaCO3	**mg/L**	30
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	30
TDS	**mg/L**	80
TDS, calculated	**mg/L**	77
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	4.4
Dissolved organic carbon	**mg/L**	4.4
WQ03- Major Ions		
Chloride	**mg/L**	20
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	< 0.0020
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.94
Sulfate	**mg/L**	9.3
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	0.13
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.20
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00073
Barium	**mg/L**	0.0153
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	0.0012
Copper	**mg/L**	0.00120

Iron	**mg/L**	0.028
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0064
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0017
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.0824
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00074
Barium	**mg/L**	0.0153
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	14.2
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00113
Iron	**mg/L**	0.0099
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.52
Manganese	**mg/L**	< 0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0011
Potassium (Dissolved)	**mg/L**	1.57
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	10.6
Strontium	**mg/L**	0.0820
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050

Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ10- Volatile Organics		
Benzene	**mg/L**	< 0.00020
Ethylbenzene	**mg/L**	< 0.00020
Toluene	**mg/L**	< 0.00020
Xylenes	**mg/L**	< 0.00040
m,p-Xylenes	**mg/L**	< 0.00040
o-Xylene	**mg/L**	< 0.00020
F1 (C6-C10)-BTEX	**mg/L**	< 0.025
F1 (C6-C10)	**mg/L**	< 0.025
F2 (C10-C16)	**mg/L**	< 0.1
F3 (C16-C34)	**mg/L**	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2
Reached baseline at C50	**ug/L**	YES
1,2-Dichloroethane-d4	**mg/L**	-
4-Bromofluorobenzene	**mg/L**	-
1,4-Difluorobenzene	**mg/L**	-
o-Terphenyl	**mg/L**	-
o-Xylene-d10	**mg/L**	-

	Sample date	5/28/2023
	Sample name	MEL-15
Parameter	Unit	
WQ02- Conventional Parameters		
pH	**pH units**	7.37
Turbidity	**NTU**	0.4
Specific conductivity	**umhos/cm**	58
Hardness, as CaCO3	**mg/L**	23.0
Total alkalinity, as CaCO3	**mg/L**	17
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	17
TDS	**mg/L**	30
TDS, calculated	**mg/L**	27
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	3.1
Dissolved organic carbon	**mg/L**	3.1
WQ03- Major Ions		
Chloride	**mg/L**	2.5
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	0.0037
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	66
Sulfate	**mg/L**	2.2
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	0.24
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.18
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0085
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00274
Barium	**mg/L**	0.0083
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00061
Iron	**mg/L**	0.082
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020

Manganese	**mg/L**	0.0142
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.0376
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00207
Barium	**mg/L**	0.0077
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	7.39
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00060
Iron	**mg/L**	0.0407
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	0.788
Manganese	**mg/L**	0.0116
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	0.606
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	1.97
Strontium	**mg/L**	0.0361
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

	Sample date	5/28/2023
	Sample name	MEL-16
Parameter	Unit	
WQ02- Conventional Parameters		
pH	**pH units**	7.37
Turbidity	**NTU**	0.7
Specific conductivity	**umhos/cm**	84
Hardness, as CaCO3	**mg/L**	27.8
Total alkalinity, as CaCO3	**mg/L**	22
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	22
TDS	**mg/L**	50
TDS, calculated	**mg/L**	39
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	3.0
Dissolved organic carbon	**mg/L**	3.0
WQ03- Major Ions		
Chloride	**mg/L**	8.2
Cyanide	**mg/L**	0.00066
Cyanide (free)	**mg/L**	0.0058
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.15
Sulfate	**mg/L**	2.3
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.081
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.26
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0165
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0157
Barium	**mg/L**	0.0158
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00084
Iron	**mg/L**	0.119
Lead	**mg/L**	0.00066
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0284

Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.0457
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.0076
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0133
Barium	**mg/L**	0.0163
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	0.000018
Calcium (Dissolved)	**mg/L**	9.94
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00088
Iron	**mg/L**	0.0520
Lead	**mg/L**	0.00029
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	1.26
Manganese	**mg/L**	0.0295
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	0.851
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	2.84
Strontium	**mg/L**	0.0487
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

Sample date		5/28/2023
	Sample name	MEL-17
Parameter	Unit	
WQ02- Conventional Parameters		
pH	**pH units**	7.55
Turbidity	**NTU**	0.6
Specific conductivity	**umhos/cm**	190
Hardness, as CaCO3	**mg/L**	65.5
Total alkalinity, as CaCO3	**mg/L**	29
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	29
TDS	**mg/L**	105
TDS, calculated	**mg/L**	98
TSS	**mg/L**	2
Total organic carbon	**mg/L**	4.9
Dissolved organic carbon	**mg/L**	4.9
WQ03- Major Ions		
Chloride	**mg/L**	20
Cyanide	**mg/L**	0.00073
Cyanide (free)	**mg/L**	0.0045
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.90
Sulfate	**mg/L**	26
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.15
Nitrate (as N)	**mg/L**	0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.40
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0079
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00110
Barium	**mg/L**	0.0256
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00092
Iron	**mg/L**	0.198
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0030

Manganese	**mg/L**	0.110
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0018
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.144
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00097
Barium	**mg/L**	0.0250
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	21.2
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00072
Iron	**mg/L**	0.112
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0030
Magnesium (Dissolved)	**mg/L**	2.75
Manganese	**mg/L**	0.0961
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0015
Potassium (Dissolved)	**mg/L**	1.56
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	8.58
Strontium	**mg/L**	0.145
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

	Sample date	5/28/2023
	Sample name	MEL-18
Parameter	Unit	
WQ02- Conventional Parameters		
pH	**pH units**	7.66
Turbidity	**NTU**	0.6
Specific conductivity	**umhos/cm**	190
Hardness, as CaCO3	**mg/L**	66.2
Total alkalinity, as CaCO3	**mg/L**	43
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	42
TDS	**mg/L**	120
TDS, calculated	**mg/L**	94
TSS	**mg/L**	1
Total organic carbon	**mg/L**	4.1
Dissolved organic carbon	**mg/L**	4.0
WQ03- Major Ions		
Chloride	**mg/L**	25
Cyanide	**mg/L**	0.00107
Cyanide (free)	**mg/L**	0.0026
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	1.1
Sulfate	**mg/L**	9.2
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.096
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.36
Total phosphorus	**mg/L**	0.021
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0165
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00793
Barium	**mg/L**	0.0204
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00078
Iron	**mg/L**	0.128
Lead	**mg/L**	0.00062
Lithium	**mg/L**	0.0081

Manganese	**mg/L**	0.0442
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.166
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00571
Barium	**mg/L**	0.0217
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	23.8
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00082
Iron	**mg/L**	0.0450
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0089
Magnesium (Dissolved)	**mg/L**	2.88
Manganese	**mg/L**	0.0453
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.48
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	6.44
Strontium	**mg/L**	0.173
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

	Sample date	5/28/2023
	Sample name	MEL-19
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.66
Turbidity	**NTU**	10
Hardness, as CaCO3	**mg/L**	145
Total alkalinity, as CaCO3	**mg/L**	41
TDS	**mg/L**	395
TDS, calculated	**mg/L**	320
TSS	**mg/L**	35
WQ03- Major Ions		
Chloride	**mg/L**	86
Cyanide	**mg/L**	0.00378
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.40
Sulfate	**mg/L**	71
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	1.1
Nitrate (as N)	**mg/L**	1.72
Nitrite (as N)	**mg/L**	0.018
Total phosphorus	**mg/L**	0.025
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.781
Arsenic	**mg/L**	0.0118
Barium	**mg/L**	0.0226
Cadmium	**mg/L**	0.000021
Chromium	**mg/L**	0.0023
Copper	**mg/L**	0.00406
Iron	**mg/L**	1.35
Lead	**mg/L**	0.00166
Manganese	**mg/L**	0.0632
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0016
Nickel	**mg/L**	0.0136
Selenium	**mg/L**	0.00025
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000015
Zinc	**mg/L**	0.0052
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	39.9
Magnesium (Dissolved)	**mg/L**	10.8
Potassium (Dissolved)	**mg/L**	6.39
Sodium (Dissolved)	**mg/L**	74.3

	Sample date	5/28/2023
	Sample name	MEL-20
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.70
Turbidity	**NTU**	2.6
Hardness, as CaCO3	**mg/L**	392
Total alkalinity, as CaCO3	**mg/L**	73
TDS	**mg/L**	1420
TDS, calculated	**mg/L**	1200
TSS	**mg/L**	10
WQ03- Major Ions		
Chloride	**mg/L**	410
Cyanide	**mg/L**	0.0812
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.2
Sulfate	**mg/L**	260
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	9.8
Nitrate (as N)	**mg/L**	18.8
Nitrite (as N)	**mg/L**	0.175
Total phosphorus	**mg/L**	0.041
Orthophosphate (P)	**mg/L**	0.033
WQ06- Total Metals		
Aluminum	**mg/L**	0.168
Arsenic	**mg/L**	0.328
Barium	**mg/L**	0.0506
Cadmium	**mg/L**	0.000050
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.0275
Iron	**mg/L**	0.596
Lead	**mg/L**	0.00819
Manganese	**mg/L**	0.267
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0066
Nickel	**mg/L**	0.0204
Selenium	**mg/L**	0.00400
Silver	**mg/L**	0.000057
Thallium	**mg/L**	0.000015
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	117
Magnesium (Dissolved)	**mg/L**	34.3
Potassium (Dissolved)	**mg/L**	17.6
Sodium (Dissolved)	**mg/L**	253

	Sample date	5/28/2023
	Sample name	MEL-21
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.85
Turbidity	**NTU**	2.6
Hardness, as CaCO3	**mg/L**	354
Total alkalinity, as CaCO3	**mg/L**	88
TDS	**mg/L**	1120
TDS, calculated	**mg/L**	1100
TSS	**mg/L**	29
WQ03- Major Ions		
Chloride	**mg/L**	390
Cyanide	**mg/L**	0.0223
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.7
Sulfate	**mg/L**	210
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	3.1
Nitrate (as N)	**mg/L**	7.01
Nitrite (as N)	**mg/L**	0.155
Total phosphorus	**mg/L**	0.042
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.458
Arsenic	**mg/L**	0.117
Barium	**mg/L**	0.0473
Cadmium	**mg/L**	0.000047
Chromium	**mg/L**	0.0013
Copper	**mg/L**	0.00593
Iron	**mg/L**	1.12
Lead	**mg/L**	0.00875
Manganese	**mg/L**	0.182
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0071
Nickel	**mg/L**	0.0179
Selenium	**mg/L**	0.00072
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000014
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	106
Magnesium (Dissolved)	**mg/L**	33.9
Potassium (Dissolved)	**mg/L**	18.3
Sodium (Dissolved)	**mg/L**	219

	Sample date	5/28/2023
	Sample name	MEL-22
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.77
Turbidity	**NTU**	1.2
Hardness, as CaCO3	**mg/L**	627
Total alkalinity, as CaCO3	**mg/L**	74
TDS	**mg/L**	1740
TDS, calculated	**mg/L**	1400
TSS	**mg/L**	9
WQ03- Major Ions		
Chloride	**mg/L**	610
Cyanide	**mg/L**	0.00143
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.3
Sulfate	**mg/L**	200
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	1.6
Nitrate (as N)	**mg/L**	3.37
Nitrite (as N)	**mg/L**	0.044
Total phosphorus	**mg/L**	0.042
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0758
Arsenic	**mg/L**	0.00425
Barium	**mg/L**	0.0435
Cadmium	**mg/L**	0.000029
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00221
Iron	**mg/L**	0.382
Lead	**mg/L**	0.00035
Manganese	**mg/L**	0.385
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0037
Nickel	**mg/L**	0.0156
Selenium	**mg/L**	0.00017
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000022
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	207
Magnesium (Dissolved)	**mg/L**	43.4
Potassium (Dissolved)	**mg/L**	18.8
Sodium (Dissolved)	**mg/L**	237

	Sample date	5/28/2023
	Sample name	MEL-23
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.65
Turbidity	**NTU**	5.8
Hardness, as CaCO3	**mg/L**	140
Total alkalinity, as CaCO3	**mg/L**	36
TDS	**mg/L**	470
TDS, calculated	**mg/L**	380
TSS	**mg/L**	14
WQ03- Major Ions		
Chloride	**mg/L**	130
Cyanide	**mg/L**	0.00050
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.68
Sulfate	**mg/L**	82
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.65
Nitrate (as N)	**mg/L**	1.65
Nitrite (as N)	**mg/L**	0.022
Total phosphorus	**mg/L**	0.052
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.303
Arsenic	**mg/L**	0.0120
Barium	**mg/L**	0.0127
Cadmium	**mg/L**	0.000026
Chromium	**mg/L**	0.0010
Copper	**mg/L**	0.00221
Iron	**mg/L**	0.510
Lead	**mg/L**	0.00134
Manganese	**mg/L**	0.0857
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0021
Nickel	**mg/L**	0.0151
Selenium	**mg/L**	0.00024
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000010
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	28.6
Magnesium (Dissolved)	**mg/L**	15.5
Potassium (Dissolved)	**mg/L**	6.52
Sodium (Dissolved)	**mg/L**	88.1

			Sample date	5/14/2023
			Sample name	MEL-25
Parameter	MEL-25 LIMITS MAX GRAB	MEL-25 LIMITS MAX MEAN	Unit	
WQ02- Conventional Parameters				
pH	9.5	9.5	**pH units**	7.90
TSS	30	15	**mg/L**	< 1
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)			**mg/L**	< 0.050
WQ05- General Organics				
Total oil and grease	5	5	**mg/L**	1.5
WQ06- Total Metals				
Arsenic			**mg/L**	0.00121
Copper			**mg/L**	0.00249
Lead	0.1	0.1	**mg/L**	0.00021
Nickel			**mg/L**	0.0027
WQ10- Volatile Organics				
Benzene	0.37	0.37	**mg/L**	< 0.00020
Ethylbenzene	0.09	0.09	**mg/L**	< 0.00020
Toluene	0.002	0.002	**mg/L**	< 0.00020
Xylenes			**mg/L**	< 0.00040
m,p-Xylenes			**mg/L**	< 0.00040
o-Xylene			**mg/L**	< 0.00020
F1 (C6-C10)-BTEX			**mg/L**	< 0.025
F1 (C6-C10)			**mg/L**	< 0.025
F2 (C10-C16)			**mg/L**	< 0.1
F3 (C16-C34)			**mg/L**	< 0.2
F4 (C34-C50)			**mg/L**	< 0.2

			Sample date	5/7/2023
			Sample name	MEL-SR1
Parameter	MEL-SR MAX GRAB (WSEEP/RO)	MEL-SR MAX MEAN (WSEEP/RO)	Unit	-
WQ01- Field Measured				
Turbidity			**NTU**	55
WQ02- Conventional Parameters				
pH			**pH units**	7.39
Turbidity			**NTU**	6.9
Hardness, as CaCO3			**mg/L**	55.6
Total alkalinity, as CaCO3			**mg/L**	22
TDS			**mg/L**	50
TDS, calculated			**mg/L**	67
TSS	100	50	**mg/L**	48
WQ03- Major Ions				
Chloride			**mg/L**	8.0
Cyanide			**mg/L**	<0.00050
Fluoride			**mg/L**	< 0.10
Silica			**mg/L**	0.83
Sulfate			**mg/L**	14
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)			**mg/L**	0.11
Nitrate (as N)			**mg/L**	< 0.10
Nitrite (as N)			**mg/L**	< 0.010
Total phosphorus			**mg/L**	0.12
Orthophosphate (P)			**mg/L**	0.011
WQ05- General Organics				
Total oil and grease			**mg/L**	2.1
WQ06- Total Metals				
Aluminum			**mg/L**	1.36
Arsenic			**mg/L**	0.00295
Barium			**mg/L**	0.0224
Cadmium			**mg/L**	0.000022
Chromium			**mg/L**	0.0076
Copper			**mg/L**	0.00736
Iron			**mg/L**	2.28
Lead			**mg/L**	0.00118
Manganese			**mg/L**	0.0532
Mercury			**mg/L**	< 0.00001
Molybdenum			**mg/L**	<0.0010
Nickel			**mg/L**	0.0051
Selenium			**mg/L**	<0.00010
Silver			**mg/L**	<0.000020
Thallium			**mg/L**	0.000016
Zinc			**mg/L**	0.0252
WQ07- Dissolved Metals				
Calcium (Dissolved)			**mg/L**	17.8
Magnesium (Dissolved)			**mg/L**	2.49
Potassium (Dissolved)			**mg/L**	4.06
Sodium (Dissolved)			**mg/L**	7.13

			Sample date	5/25/2023
			Sample name	MEL-SR-17[5]
Parameter	MEL-SR MAX GRAB (WSEEP/RO)	MEL-SR MAX MEAN (WSEEP/RO)	Unit	
WQ01- Field Measured				
Turbidity			**NTU**	17.9
WQ02- Conventional Parameters				
pH			**pH units**	7.22
Turbidity			**NTU**	4.9
Hardness, as CaCO3			**mg/L**	13.9
Hardness, as CaCO3-Dissolved			**mg/L**	14.3
Total alkalinity, as CaCO3			**mg/L**	11
TDS			**mg/L**	25
TDS, calculated			**mg/L**	20
TSS	100	50	**mg/L**	11
WQ03- Major Ions				
Chloride			**mg/L**	< 1.0
Cyanide			**mg/L**	0.00058
Fluoride			**mg/L**	< 0.10
Silica			**mg/L**	3.4
Sulfate			**mg/L**	5.9
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)			**mg/L**	< 0.050
Nitrate (as N)			**mg/L**	< 0.10
Nitrite (as N)			**mg/L**	< 0.010
Total phosphorus			**mg/L**	0.025
Orthophosphate (P)			**mg/L**	< 0.010
WQ05- General Organics				
Total oil and grease			**mg/L**	2.6
WQ06- Total Metals				
Aluminum			**mg/L**	0.262
Arsenic			**mg/L**	0.0110
Barium			**mg/L**	0.0103
Cadmium			**mg/L**	< 0.000010
Chromium			**mg/L**	0.0096
Copper			**mg/L**	0.00303
Iron			**mg/L**	0.523
Lead			**mg/L**	0.00185
Manganese			**mg/L**	0.0195
Mercury			**mg/L**	< 0.00001
Molybdenum			**mg/L**	0.0086
Nickel			**mg/L**	0.0384
Selenium			**mg/L**	< 0.00010
Silver			**mg/L**	< 0.000020
Thallium			**mg/L**	< 0.000010
Zinc			**mg/L**	< 0.0050
WQ07- Dissolved Metals				
Calcium (Dissolved)			**mg/L**	4.73
Magnesium (Dissolved)			**mg/L**	0.604
Potassium (Dissolved)			**mg/L**	0.753
Sodium (Dissolved)			**mg/L**	1.28

[5] Station MEL-SR17 is a new monitoring station located at 15V 547508 m E, 6977096 m N

			Sample date	5/27/2023
			Sample name	MEL-SR-18[6]
Parameter	MEL-SR MAX GRAB (WSEEP/RO)	MEL-SR MAX MEAN (WSEEP/RO)	Unit	-
WQ01- Field Measured				
Turbidity			**NTU**	5.06
WQ02- Conventional Parameters				
pH			**pH units**	6.87
Turbidity			**NTU**	3.4
Hardness, as CaCO3			**mg/L**	14.4
Total alkalinity, as CaCO3			**mg/L**	8.9
TDS			**mg/L**	50
TDS, calculated			**mg/L**	27
TSS	100	50	**mg/L**	3
WQ03- Major Ions				
Chloride			**mg/L**	1.2
Cyanide			**mg/L**	< 0.00050
Fluoride			**mg/L**	< 0.10
Silica			**mg/L**	0.19
Sulfate			**mg/L**	10
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)			**mg/L**	< 0.050
Nitrate (as N)			**mg/L**	0.11
Nitrite (as N)			**mg/L**	< 0.010
Total phosphorus			**mg/L**	0.023
Orthophosphate (P)			**mg/L**	< 0.010
WQ05- General Organics				
Total oil and grease			**mg/L**	1.3
WQ06- Total Metals				
Aluminum			**mg/L**	0.164
Arsenic			**mg/L**	0.00249
Barium			**mg/L**	0.0099
Cadmium			**mg/L**	0.000034
Chromium			**mg/L**	0.0011
Copper			**mg/L**	0.00239
Iron			**mg/L**	0.215
Lead			**mg/L**	0.00042
Manganese			**mg/L**	0.0095
Mercury			**mg/L**	< 0.00001
Molybdenum			**mg/L**	0.0011
Nickel			**mg/L**	0.0040
Selenium			**mg/L**	< 0.00010
Silver			**mg/L**	< 0.000020
Thallium			**mg/L**	< 0.000010
Zinc			**mg/L**	< 0.0050
WQ07- Dissolved Metals				
Calcium (Dissolved)			**mg/L**	5.16
Magnesium (Dissolved)			**mg/L**	0.897
Potassium (Dissolved)			**mg/L**	1.51
Sodium (Dissolved)			**mg/L**	1.74

[6] Station MEL-SR18 is a new monitoring station located at 15V 547385 m E, 6977080 m N