

Appendix G7

2015 Groundwater Monitoring Program Report



MEADOWBANK GOLD MINE

2015 Groundwater Monitoring Report

In Accordance with
NWB Water License 2AM-MEA1525
and
NIRB Project Certificate No.004

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EXECUTIVE SUMMARY

The 2015 groundwater monitoring program at Meadowbank was conducted in accordance with the Groundwater Monitoring Plan (AEM, 2014). The objectives of this program are to monitor the salinity of shallow and deep groundwater in order to update site water quality predictions and to document any effects of mining on groundwater quality, particularly with respect to tailings deposition.

In 2015, wells MW-14-01 and MW-08-02 were each sampled twice as per the 2014 Plan. As recommended by Golder (2012), attempts were also made to augment the groundwater sampling program using alternative sources such as production drill holes. In 2015 the alternate sources included two geotechnical drill holes that were successfully sampled in Portage pit E3 in December, 2015. Analysis of key parameters indicated this to be groundwater. Therefore, these results are included in the 2015 report.

Concentrations of all parameters measured in groundwater samples in 2015 are provided in this report, along with a year-over-year comparison of salinity-related results that are relevant to the site water quality model. All historical results are provided in Appendix A. Of note, is that groundwater encountered in the Portage Pit is no longer pumped to the Portage Attenuation pond as this pond became the South Cell Tailings Storage Facility in 2014. Therefore, there is no further discharge to Third Portage Lake. Any pit water is pumped to the South Cell and the water quality considered for predictions and modeling is that of the South Cell. Pit sumps are sampled during open water periods as a component of the Water Quality and Flow Monitoring Plan, and could contain groundwater. These results are also used as input parameters for overall South Cell water quality modelling (SNC, 2016).

For salinity-related parameters (conductivity, TDS, chloride), results for MW-08-02 and Pit E3 drill hole samples were lower than or within the range of those observed historically onsite. Elevated concentrations of salinity-related parameters encountered previously (2014) at MW-14-01, which were related to well installation (salt used in drilling process), decreased by more than 50% in 2015.

For tailings-related parameters (total cyanide and dissolved copper), results for the samples collected from well MW-08-02 and Pit E3 drill holes in 2015 were similar to those observed historically onsite (near detection limits), indicating no measureable movement of tailings into deep groundwater at these locations. For well MW-14-01, total CN values were recorded in the range of 0.1 mg/L, which is slightly lower than or similar to the 2014 concentrations at this location and lower than NWB limits for discharge to surface water, but higher than observed in groundwater elsewhere onsite historically (<0.005 mg/L). Results for dissolved copper were lower than those observed at this location in 2014, and similar to or lower than those observed historically in groundwater onsite since 2008 (prior to commencement of operations – background levels). These results (i.e. below or at background levels) for dissolved copper, which is associated with tailings, suggest that the observed cyanide values are unlikely to be due to significant migration of tailings into groundwater. However, concentrations of tailings-related parameters will continue to be closely monitored at this location to ensure concentrations in groundwater are not rising. Two sampling events are planned again for 2016 (spring and fall).

All measured concentrations of other metals were below NWB license limits for discharge to surface water for all locations, and were within the range of historical results (see Appendix A), with the exception of zinc at MW-08-02 and aluminum at Pit E3 (likely due to residual rock dust in the drill hole).

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1 INTRODUCTION

Parts of Goose and Portage Pits at the Meadowbank mine site are being developed in through-talik (unfrozen ground that extends to the base of the permafrost) zones underneath Second and Third Portage Lakes. The tailings storage facilities (TSF) – North and South Cells - are located in the former basin of the northwest arm of Second Portage Lake. This area is also believed to be situated over a through-talik. As a result, groundwater monitoring wells have been installed to provide information on groundwater quality in these taliks prior to and during mine operation.

1.1 OBJECTIVE

This document provides a summary of the 2015 groundwater monitoring program carried out at the Meadowbank mine site. This monitoring program is conducted in support of the Groundwater Monitoring Plan (AEM, 2014). The objectives of this program are:

- To monitor the salinity and quality of the deep groundwater to validate the pit groundwater inflow component of the site water quality model; and
- To measure effects of mining on groundwater quality, if any, against pre-mining and pre-tailing deposition benchmarks.

1.2 MONITORING LOCATIONS

Groundwater flow and quality data has been collected from the Portage area since 2003, and has been used to validate water quality modelling. Locations of all groundwater monitoring stations are shown in Figure 1. Groundwater in the Vault area is not monitored because the talik present under Vault Lake is not believed to extend through the permafrost to the deep aquifer. In addition, to date, there has been little, if any, groundwater inflow observed at the Vault Pit.

Four monitoring wells were installed at Meadowbank in 2003. Three of these wells (MW-03-02, MW-03-03 and MW-03-04) were damaged by frost action between 2004 and 2006. The fourth (MW-03-01) was operable until 2010 when it was also damaged by frost action. Three defective wells were replaced in 2006 (MW-06-05, MW-06-06 and MW-06-07). Again, these were damaged by frost action. Two were replaced in 2008 with a more robust design (MW-08-02 and MW-08-03). Well MW-11-01 was installed adjacent to the Goose Island pit location to replace MW-03-01, and well MW-11-02 was installed, at the tailings storage facility to replace MW-06-07, to monitor shallow groundwater below the basin where tailings are deposited. Well MW-11-01 was decommissioned in 2012 after being damaged during site operations. Well MW-11-02 became obstructed with development materials during the 2012 groundwater monitoring program and therefore could not be sampled in 2012. Attempts were made in 2013, 2014, and 2015 to remove the material, but these were unsuccessful. This well was replaced in 2014 with a new well, MW-14-01. MW-11-02 will be decommissioned in 2016. Well MW-08-03 was blocked with an ice bridge in 2010, 2011 and 2012. Advancements were made in 2013 and a sample was taken that was expected to be representative groundwater. In 2014, the blockage was removed, but the well was dry and could not be sampled. Another attempt was made in 2015 but once again, the well was dry.

As recommended in the 2012 monitoring report (Golder, 2012), attempts have also been made to augment the groundwater sampling program when groundwater is encountered through other means

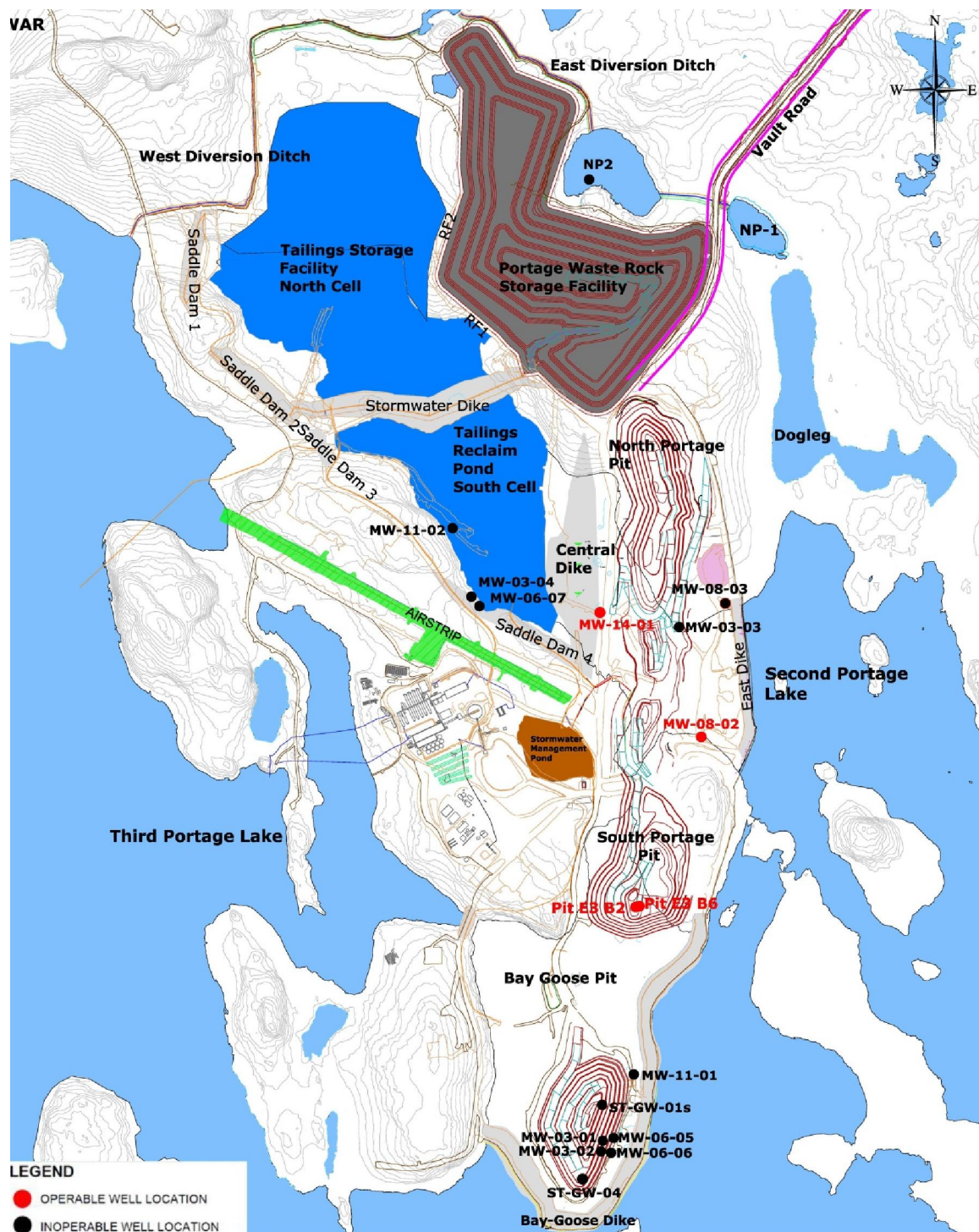
(e.g. sumps, pit wall seeps, production drill holes). Seep samples were collected in 2014, but parameters were not representative of groundwater, so this program has been discontinued. Results from sampling of the sump in the Goose Pit in August, 2014 (ST-GW-4) were indicative of groundwater, and were provided in that report. Cessation of production in Goose pit has led to accumulation of water from surface sources, so the sump was not sampled in 2015. No production drillholes could effectively be sampled in 2014, or 2015. However, in 2015, geotechnical drill holes in Portage Pit E3 were advanced horizontally in Portage pit and water flowing from two of these holes was sampled. Efforts to keep these holes flowing and available for sampling in the future are being undertaken.

Overall in 2015, two samples were collected at each open monitoring well (MW-08-02 and MW-14-01) and also two samples were taken from the geotechnical holes in Portage pit E3. These sampling locations are described below, and are shown in Figure 1. Attempts were made to sample well MW-08-03, but the well was dry.

Table 1. UTM coordinates for the Meadowbank groundwater monitoring locations in 2015.

Monitoring Location	Type	Easting	Northing
MW-08-02	Well	0639185	7213901
MW-14-01	Well	0638750	7214445
Pit E3 B2	Drill hole	0638895	7213198
Pit E3 B6	Drill hole	0638918	7213200

Figure 1. Groundwater monitoring stations.



2 SAMPLING METHODS

In general, monitoring wells are thawed by energizing previously installed heating cables. Once completely thawed, each well is purged to remove melt water from the casing, which is not representative of formation water. Targets for purging are a minimum of three well volumes and stabilization of field-indicator parameters (conductivity, temperature, pH) to within 10% prior to sample collection. In practice, well sampling at Meadowbank has proven to be difficult due to frequent formation of ice bridges and malfunction of heating cables due to the extreme conditions. The specific measures used to obtain samples from monitoring wells and drill holes are described below for each monitoring station. All measurements of water level and field parameters obtained during well development are included in Appendix B.

2.1 MW-08-02

Sampling of this well was very challenging due to many factors including heat trace malfunction, problems with the steamer maintenance and cold weather during purging and sampling. Attempts to thaw the ice accumulated in the well with a steamer were postponed until the month of December due to repeated mechanical issues. On December 2nd, the steamer was used to thaw ice accumulated in the well beginning at 15.74 mbgs. The steamer successfully melted the ice in the well and heat trace cables were energized to avoid re-freezing. However, the heat trace seemed to work only on certain sections of the well. As a result, the steamer was used overnight to keep the well open. The next day, air was injected to purge the well; approximately 200 L of water was purged prior to the well becoming dry. A sample was taken as soon as sufficient water recovered. The well was left overnight. The static water level had increased to 27.10 mbgs 24 hrs later and no ice blockage was observed. Air was injected at 136 mbgs to purge the well. Approximately 150 L of water was purged before the well was dry. Upon recovery, a second sample was taken. The use of a low flow pump to sample was not possible due to the unreliable heat trace, cold weather, and the high risk of having the pump and tubing freezing in the well (this would cause the well to be non-usable for future sampling). As a result sampling was conducted using a dedicated line injecting air to push water out of the well. This method was considered the most practical way to obtain a representative sample without endangering the integrity of the well.

While AEM agrees that use of a low-flow pump is the preferred method for groundwater sampling, it has repeatedly been determined not to be practical in the Meadowbank climate. Alternate methods have been explored in order to obtain samples. As described in AEM's response to reviewer comments on the 2014 Annual Report, AEM is of the opinion that purging the well dry prevents rapid re-freezing and also ensures the removal of any condensate from the steaming process which could affect sample results. It has been observed that the well, once purged, recovers quickly which prevents the oxidation process. The groundwater sample results obtained have been consistent with historical results, again, indicating no effects from potential oxidation.

2.2 MW-08-03

This monitoring well was blocked by ice in 2010, 2011 and 2012. A sample was obtained in 2013, but the addition of salt water to help thaw the well impacted salinity parameters. In 2014, the heating cables were energized and a steamer was successfully used to unblock the well to a depth of 169.6 mbgs, allowing 195 L to be purged. However, the well remained dry after this date, and no sample

was taken in 2014. In 2015, the well was still dry to 169.6 mbgs, so no sample could be taken. This is also an indication that groundwater potentially containing contaminants related to tailings are not flowing in this area.

2.3 MW-14-01

For the first sampling event, heat trace cables were activated in the morning of May 26th and purging was conducted from May 27 to May 31st. A total of 1,135 L were purged, and field parameters were recorded with every purge volume (10-60 L; up to 15x daily). At the time of sampling, the water level was at 4.21 m, and the well extended to 95.05 m. This well was installed at an angle of 73°, so these values represent distance from the casing rather than mbgs. The sample was collected from a depth of 60 m.

For the second sampling event, heat trace cables were activated in the morning of August 23rd and purging was conducted from August 23rd to August 25th. A total of 785 L were purged, and once again field parameters were recorded with every purge volume (15-40 L; up to 15x daily). At the time of sampling, the water level was at 7.10 m, and the well extended to 94.93 m. The sample was collected from a depth of 60 m.

2.4 PIT E3 DRILL HOLES

On December 13, the Environment Department was informed that water was flowing from horizontal geotechnical drill holes in Portage pit E3. The Engineering Department was conducting the drilling campaign to determine if groundwater was affecting pit wall stability. In accordance with Golder (2012) recommendations to investigate alternative groundwater sampling sources (e.g. production wells, pit wall seeps, etc.) AEM investigated the potential for sampling. The Engineering Department provided the estimated flow rate. Approximately 28,080 L of water flowed from drill hole B2 and 18,000 L of water flowed from drill hole B6 before sampling occurred. Samples were taken directly at the outlet of the drill holes (10 ft pipes were installed by the Engineering Department to improve flow). Drill hole B2 was sampled on December 13, and drill hole B6 was sampled on December 17. Depth of each drill hole was 84 and 86 mbgs, respectively.

3 REGULATORY LIMITS

No regulatory guidelines or limits apply to groundwater quality in this monitoring program. For illustrative purposes, results are compared to limits established in the NWB Water License for discharge of effluent to Third Portage Lake. While groundwater is not currently being discharged in this manner, this comparison provides a conservative estimate of any potential for effects on biota, since the pit area will eventually be returned to aquatic habitat.

In July 2015, AEM received a renewed Water License from the Nunavut Water Board for the Meadowbank site. Groundwater samples collected early in the season (MW-14-01) were analyzed according to the previous license (2AM-MEA0815), while those collected later (MW-08-02 and Pit E3 B2 and B6) were analyzed according to the expanded parameter list in the updated license (2AM-MEA1525).

4 QUALITY ASSURANCE / QUALITY CONTROL

Guideline procedures provided by the USEPA (2002) were followed as much as possible during the sampling program to ensure that the samples collected from the wells were representative of water flowing through the targeted rock formations. These procedures included the following:

- Measurement of field parameters at selected intervals until stable readings (within 10% of each other) were acquired;
- Minimizing the exposure of the sampled water to the atmosphere (related to use of a low-flow pump, which was not used in 2015);
- Using compressed, inert gas (nitrogen) to lift water from the well for sampling to avoid changing the redox properties of the formation water (related to use of a low-flow pump, which was not used in 2015);
- Conducting in-situ measurements of sensitive chemical parameters (temperature, pH, conductivity);
- Keeping the samples refrigerated from the time of collection until shipment to the laboratory; and; and
- Shipping the samples to the laboratory in temperature-regulated coolers within the specified sample holding times (24 h).

In addition, a duplicate sample was taken for one location and submitted as a blind duplicate to the laboratory. Where both results were higher than five times the method detection limit (MDL), the relative percent difference (RPD) was calculated as:

$$\text{RPD} = \text{absolute difference in concentration} / \text{average concentration} \times 100$$

USEPA (1994) indicates that in general an RPD of 20% or less is acceptable. Where one or both results are less than five times the MDL, a margin of +/- MDL is acceptable.

5 RESULTS

5.1 GENERAL GROUNDWATER CHEMISTRY

Results of all groundwater analyses to date are provided in Appendix A, and laboratory reports are provided in Appendix C. NWB Water License 2AM-MEA1525 limits for discharge to surface water (maximum average) are provided for context. Historical trends for values above license limits are discussed below. Results for tailings-related parameters are discussed in Section 5.2, and salinity-related parameters which are important in the water quality model are discussed in Section 5.3.

5.1.1 MW-08-02

For MW-08-02, measured TSS values on the second day of sampling (25, 41 mg/L) exceeded the comparative guideline of 15 mg/L, but this is very common in groundwater samples and has occurred frequently in onsite wells since 2004 (before operation began).

Total zinc values at this well exceeded the comparative NWB limit for discharge to surface water of 0.4 mg/L, with values of 0.502, 0.797, and 0.914 mg/L (duplicate). These values are higher than observed at the same well in 2014 (0.045 mg/L). The highest previous result was 0.375 mg/L, recorded at MW-08-03 in 2011. Only the first 2015 sample for dissolved zinc (0.453 mg/L) slightly exceeded the NWB limit of 0.4 mg/L, and higher values have previously been recorded (a value of 0.513 mg/L was measured at MW-08-03 in 2013). Samples taken on the next day (0.212, 0.200 mg/L) were below the NWB limit and the historically recorded high concentration. Since the highest recorded concentration of zinc in tailings reclaim water in 2015 (0.046 mg/L for total zinc at ST-21; (see 2015 Annual Report) was an order of magnitude lower than concentrations recorded in the monitoring well, these results are not indicative of tailings movement into groundwater.

All other parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite.

5.1.2 MW-14-01

In 2015, all measured parameters during the two sampling events (May 31 and August 26) were below the NWB License Limits for discharge to surface water.

While not exceeding NWB limits, elevated chloride (1,777 mg/L), hardness (2,360 mg/L) and dissolved solids (3,152 mg/L) encountered in the new well (MW-14-01) in 2014 were assumed to be a result of salt water additions to prevent freezing during installation. In 2015 all of these values declined by 50-80%, to the range of those observed historically in area groundwater, suggesting the assumption in 2014 was correct.

5.1.3 Pit E3

In samples collected from horizontal geotechnical boreholes in Pit E3 (December 13 and 17), concentrations of TSS exceeded limits for discharge to surface water. As discussed above this is a common occurrence for groundwater samples.

In addition, total aluminum concentrations (6.64, 10.98 mg/L) exceeded the limit for discharge to surface water (1.5 mg/L) and were higher than measured previously in groundwater samples onsite. This is likely due to residual rock dust from the drilling, which is also supported by the elevated TSS values, and by the reported concentrations of dissolved aluminum, which were below or near the detection limit of 0.006 mg/L (<0.006 and 0.012 mg/L).

One value for total phosphorus just exceeded the limit of 1.0 mg/L at 1.05 mg/L, while the other sample was 0.97 mg/L. Historically the highest recorded concentration of phosphorus in groundwater was 0.23 mg/L at MW-03-02 (Goose Island) in 2004.

All other parameters were below NWB limits for discharge to surface water and were similar to those observed historically onsite in groundwater samples.

5.2 TAILINGS-RELATED PARAMETERS

Concentrations of cyanide and copper were assessed to track any potential movement of tailings into groundwater, since these parameters in particular are elevated in reclaim water in the TSF. For context, average total cyanide and dissolved copper concentrations in reclaim water samples in the South Cell were 6.9 and 1.7 mg/L, respectively in 2015 (ST-21; see 2015 Annual Report). Concentrations of these parameters in monitoring wells and drill holes in 2015 (see Appendix A) were below NWB license limits for discharge to surface water (0.5 and 0.1 mg/L respectively for total CN and dissolved copper).

All total cyanide and dissolved copper values for MW-08-02 and Pit E3 (<0.005 and <0.007 mg/L, respectively) were similar to or lower than historical groundwater results, including background results (see Appendix A), indicating no measured movement of water from the TSF into groundwater at these locations.

For the newer well (MW-14-01), total CN values were recorded in the range of 0.1 mg/L (0.093 and 0.117 mg/L), which is slightly lower than or similar to the 2014 concentrations at this location (0.101 and 0.191 mg/L) and lower than NWB discharge limits. Results for dissolved copper (0.0017 and 0.0037 mg/L) were lower than those observed at this location in 2014 (0.013 and 0.016 mg/L). These results for dissolved copper suggest the observed cyanide values are unlikely to be due to significant migration of tailings into groundwater. However, concentrations of CN will continue to be monitored at this location with two sampling events planned again for 2016 (spring and fall).

5.3 SALINITY RESULTS

Concentrations of total dissolved solids, chloride and conductivity values since monitoring began in 2003 are shown in Table 2. Results for MW-08-02 in 2015 were lower than past values at that location. Values that were elevated at MW-14-01 compared to other stations in 2014 (likely due to the addition of salt water to this well during installation) declined in 2015, as discussed previously. Salinity results for the Pit E3 drillholes were generally on the lower end of the spectrum of those observed historically onsite in groundwater samples. Overall, however, salinity results in groundwater are no longer considered a significant factor, since discharge to the environment from the Portage Attenuation Pond has ceased, and based on water quality modelling (SNC, 2016), pit water will not exceed CCME guidelines for chloride at closure.

Table 2. Concentrations of salinity-related parameters for 2003-present.

Location	Name	Lithology	Year	TDS ¹ (mg/L)	Conductivity (µS/cm)	Chloride (mg/L)
Goose Island	MW-03-01	Ultramafic	2003	793	<i>1855</i>	626
			2004	1335	2900	845
			2006	315*	460*	81*
			2007	389	588	126
			2008	1100	3200	950
			2009	1900*	3350*	970*
			2010	340	<i>335*</i>	5.7
	MW-11-01	Int Volcanic	2011 ²	14840 ²	3999 ²	10271 ²
	ST-GW-1s	Iron Formation/Int Volcanic	2013	203	-	16.9
	ST-GW-04	Ultramafic/Int Volcanic/Iron Formation	2014	418	719	40.4
Second Portage	MW-08-02	Int Volcanic	2008	510*	<i>808*</i>	160
			2009	520*	<i>705*</i>	160*
			2010	450	<i>690*</i>	160
			2011	523	<i>782*</i>	169
			2012	307**	<i>616*</i>	111
			2013	399	842	126
			2014	843	<i>1006</i>	287
			2015-Dec 3	39	95	5.7
			2015-Dec 4	74*	109	13.7*
	MW-08-03	Int Volcanic	2013	2408	644	2427
	Pit E3-B2	Soapstone/Iron Formation	2015	55	<i>307</i>	19.7
	Pit E3-B6	Soapstone/Iron Formation	2015	185	<i>300</i>	19.1
Second Portage – Northwest arm	BH-10-01	Int Volcanic	2010	670*	<i>935*</i>	17
	MW-11-02	Int Volcanic	2011	263	<i>400*</i>	20.9
	MW-14-01	Int Volcanic	2014 ²	3152 ²	<i>5030²</i>	1777 ²
			2015-May	1277	<i>1493</i>	272
			2015-Aug	1209	<i>2140</i>	361

¹ Laboratory measurement except for in 2011 which reported values as dissolved solids

² Affected by installation brine solution

*Average of sample and duplicate

**TDS value calculated from laboratory measured values of dissolved constituents

Italic – field measured value

5.4 QA/QC

Relative percent difference (RPD) values calculated from the duplicated pair of results are provided in Table 3. RPDs exceeded the recommended 20% for Kjeldahl nitrogen, TSS, total cadmium, total lead and dissolved copper. For cases where comparison by MDLs was appropriate, the difference exceeded 1 MDL for total mercury and dissolved chromium. All of these concentrations are still considered to be low, however (generally more than an order of magnitude lower than criteria for discharge to surface water where criteria are available) and within the range of values observed historically onsite.

Table 3. Relative percent difference (RPD) values or +/- method detection limit (MDL) values (*) for duplicated samples in 2015. Values exceeding 20% RPD or 1 MDL are shaded grey.

Parameters	Units	MW-08-02	MW-08-02 DUP	RPD/MDL
Alkalinity	mg CaCO ₃ /L	49	43	13
Bicarbonate Alkalinity	mg CaCO ₃ /L	49	43	13
Carbonate Alkalinity	mg CaCO ₃ /L	<2	<2	<1*
Ammonia	mg N/L	<0.01	<0.01	<1*
Ammonia nitrogen	mg N/L	0.17	0.14	19
Calcium	mg/L	11.8	11.7	1
Chloride	mg/L	13.8	13.6	1
Cyanide (Cn(tot))	mg/L	<0.005	<0.005	<1*
DOC	mg/L	34.5	37	7
Free cyanide	mg/L	<0.005	<0.005	<1*
Hardness	mg/L	47	46	2
Kjeldahl nitrogen	mg N/L	1.33	1.81	31
Magnesium	mg/L	4.32	4.14	4
Nitrate (NO ₃)	mg N/L	0.05	0.04	<1*
Nitrite (NO ₂)	mg N/L	0.02	0.02	0
Orthophosphate	mg P/L	<0.01	<0.01	<1*
Potassium	mg/L	1.69	1.55	9
Reactive silica	mg/L	0.4	0.4	0
Sodium	mg/L	5.01	4.62	8
Sulphate (SO ₄ -4)	mg SO ₄ /L	11.8	11.2	5
TDS	mg/L	73	74	1
TOC	mg/L	38.4	36.4	5
Total Phosphorus	mg P/L	<0.01	0.02	<1*
TSS	mg/L	25	41	48
Total Aluminum	mg/L	0.259	0.308	17
Total Antimony	mg/L	0.0011	0.0013	17
Total Arsenic	mg/L	<0.0005	<0.0005	<1*
Total Boron	mg/L	<0.01	<0.01	<1*
Total Barium	mg/L	0.0072	0.0081	12
Total Beryllium	mg/L	<0.0005	<0.0005	<1*
Total Cadmium	mg/L	0.00012	0.00019	45

Parameters	Units	MW-08-02	MW-08-02 DUP	RPD/MDL
Total Copper	mg/L	0.0095	0.0105	10
Total Chromium	mg/L	0.0105	0.0099	6
Total Iron	mg/L	4.22	4.09	3
Total Lithium	mg/L	<0.005	<0.005	<1*
Total Manganese	mg/L	0.1834	0.1782	3
Total Lead	mg/L	0.0101	0.0056	57
Total Mercury	mg/L	0.00001	0.00003	2*
Total Molybdenum	mg/L	0.0072	0.0073	1
Total Nickel	mg/L	0.0115	0.0121	5
Total Selenium	mg/L	<0.001	0.001	<1*
Total Strontium	mg/L	0.082	0.083	1
Total Tin	mg/L	<0.001	0.001	<1*
Total Titanium	mg/L	0.03	0.03	0
Total Thallium	mg/L	<0.005	<0.005	<1*
Total Uranium	mg/L	<0.001	<0.001	<1*
Total Vanadium	mg/L	<0.0005	<0.0005	<1*
Total Zinc	mg/L	0.797	0.914	14
Dissolved Aluminum	mg/L	<0.006	<0.006	<1*
Dissolved Antimony	mg/L	0.0005	0.0005	0
Dissolved Arsenic	mg/L	<0.0005	<0.0005	<1*
Dissolved Boron	mg/L	<0.01	<0.01	<1*
Dissolved Barium	mg/L	0.0063	0.0061	3
Dissolved Beryllium	mg/L	<0.0005	<0.0005	<1*
Dissolved Cadmium	mg/L	0.00012	0.00011	9
Dissolved Copper	mg/L	0.007	0.0044	46
Dissolved Chromium	mg/L	0.0105	0.0026	13*
Dissolved Iron	mg/L	0.05	0.04	<1*
Dissolved Mercury	mg/L	<0.00001	<0.00001	<1*
Dissolved Lithium	mg/L	<0.005	<0.005	<1*
Dissolved Manganese	mg/L	0.1632	0.1604	2
Dissolved Molybdenum	mg/L	0.0068	0.0068	0
Dissolved Nickel	mg/L	0.0078	0.0075	4
Dissolved Lead	mg/L	<0.0003	<0.0003	<1*
Dissolved Selenium	mg/L	<0.001	<0.001	<1*
Dissolved Strontium	mg/L	0.074	0.074	0
Dissolved Tin	mg/L	<0.001	<0.001	<1*
Dissolved Titanium	mg/L	<0.01	<0.01	<1*
Dissolved Thallium	mg/L	<0.005	<0.005	<1*
Dissolved Uranium	mg/L	<0.001	<0.001	<1*
Dissolved Vanadium	mg/L	<0.005	<0.005	<1*
Dissolved Zinc	mg/L	0.212	0.2	6

6 CONCLUSIONS

Currently, two monitoring wells on the Meadowbank site are able to provide samples at the intended depth (MW-08-02 and MW-14-01). Attempts to sample one other well (MW-08-03) continue, although this well has remained dry since 2014. The remaining well (MW-11-02) is not able to be sampled, because purging material is lodged in the well. Attempts were made to recover the material in 2015 but were unsuccessful. Therefore, this well will no longer form part of the Meadowbank groundwater monitoring program and will be decommissioned in 2016.

The collection of samples from alternative sources was successful in 2015, with sampling of two geotechnical drillholes in Portage pit (E3). The Environment Department will monitor the flow of these drillholes in 2016 for potential sampling. Sampling from additional alternative sources will continue as opportunities arise.

Overall, concentrations of salinity-related parameters in samples collected from MW-08-02 in 2015 were lower than those observed historically at this location. Concentrations at MW-14-01 declined compared to the elevated values observed in 2014 (due to use of brine during installation). Concentrations of salinity-related parameters at the drill holes in Pit E3 were on the lower end of those observed elsewhere in groundwater onsite.

Parameters indicative of tailings movement into groundwater (total cyanide and copper) were well below NWB license limits at MW-08-02 and Pit E3 locations, and were similar to historical results, indicating no measured movement of water from the TSF into groundwater at these locations. For the newer well (MW-14-01), total CN values were recorded in the range of 0.1 mg/L, which is slightly lower than or similar to the 2014 concentrations at this location and lower than NWB limits for discharge to surface water, but higher than observed in groundwater elsewhere onsite historically (<0.005 mg/L). Results for dissolved copper were lower than those observed at this location in 2014, and similar to or lower than those observed historically in groundwater onsite since 2008 (prior to commencement of operations). These results for dissolved copper suggest that the observed cyanide values are unlikely to be due to significant migration of tailings into groundwater. However, concentrations of tailings-related parameters will continue to be closely monitored at this location to ensure concentrations in groundwater are not rising, with two sampling events planned again for 2016 (spring and fall).

All measured concentrations of other metals were below NWB license limits for discharge to surface water for all locations, and were within the range of historical results (see Appendix A), with the exception of zinc at MW-08-02 and aluminum at Pit E3 (suspected to be a result of residual rock dust from drilling).

7 ACTIONS

The following actions were planned for 2015. AEM's responses are indicated below each action.

- AEM will attempt to recover Waterra tubing from well MW-11-02 or this well will be decommissioned.
 - The recovery attempts were unsuccessful so this well will be decommissioned in 2016.
- AEM will continue efforts to unthaw the ice bridge in MW-08-03 using a refined steam process in order to sample at this location.
 - Attempts were made to sample this well, but it was found to be dry. AEM will attempt to sample this well in 2016.
- AEM will continue to pursue opportunities for sampling groundwater from production wells and /or pit sumps. The Goose pit sump (ST-GW-04) will be sampled 2x/yr.
 - Geotechnical drillholes were determined to present a better opportunity for sampling than production wells, and two were successfully sampled in 2015. The Goose pit sump began filling with surface water due to cessation of mining in this area in 2015 so ST-GW-04 could not be sampled. AEM will be sampling the Goose Pit during the re-flooding process as per Water License requirements.
- AEM will, in particular, continue to monitor concentrations of total cyanide and metals at GW-ST-14-01 in 2015, with an anticipated increase in sampling frequency to 2x/yr.
 - ST-14-01 was sampled twice in 2015, as planned (May and August)

The following actions are planned for 2016:

- Due to the difficulties encountered in maintaining and sampling monitoring wells, AEM will continue to pursue opportunities for sampling groundwater from alternative sources as well as the existing wells.
- AEM will in particular continue to monitor concentrations of zinc at MW-08-02, and total cyanide and metals at GW-ST-14-01 in 2016, with an anticipated sampling frequency of 2x/yr.
- Based on results of the QA/QC duplicate analysis, AEM will review the duplicate preparation and sample handling procedure in an effort to ensure optimal sample integrity.

8 REFERENCES

Agnico Eagle Mines Ltd. (2014) Meadowbank Gold Project - Groundwater Monitoring Plan. January, 2014.

SNC, 2016. Meadowbank Water Quality Forecasting Update for the 2015 Water Management Plan, SNC Lavalin, 635062-0000-40ER-0001, Revision 00, March 2016.

USEPA, 2002. USEPA Guidance on Choosing a Sampling Design for Environmental Data Collection. Office of Environmental Information, U.S. Environmental Protection Agency, Washington, DC, December 2002.

APPENDIX A

Summary of Historical Results

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcaniclastic		Method Detection Limit	Ultramafic Rock					
			Goose Island			Goose Island					
			MW11-01			MW03-01					
			15979 29-Sep-11	15980 29-Sep-11 FD		9755-2 07-Sep-03	9755-3 07-Sep-03 FD	9044-01 Aug-7-04	12393-01 Aug-8-06	12393-02 Aug-8-06 FD	12395-01 Aug-14-06
FIELD-MEASURED PARAMETERS											
pH	s.u.	6.0-9.0	10.30	-		7.36	7.36	8.03	7.93	-	7.58
Conductivity	uS/cm		3999	-		1855	1855	2500	382	-	538
Alkalinity (mg/L as CaCO3)			-	-		19 - 22	19 - 22	27	33.9	-	48.8
LABORATORY PARAMETERS											
Calculated TDS	mg/L	6.0-9.0	-	-		793	793	1335	125	126	292
pH	s.u.		8.11	8.93	--	7.24	7.30	7.46	-	-	7.36
Conductivity	uS/cm		-	-		-	-	2900	-	-	634
Total Alkalinity	mg/L		23	37	2	30	30	27.3	-	-	51
Bicarbonate Alkalinity HCO3			-	-		36.6	36.6	33.3	-	-	62.2
Carbonate Alkalinity CO3			-	-	< 0.5	< 0.5	< 0.5	-	-	< 0.5	
Hydroxide Alkalinity OH			-	-	< 0.5	< 0.5	< 0.5			< 0.5	
Dissolved Sulphate	mg/L		29	30	1	15.6	15.8	15.9	42.8	43.1	51.1
Hardness CaCO3*			-	-		262	267	380	75.9	77.3	150
Hardness (Total)	mg/L		13264	14759	1	318	388	391	82	81.6	148
Total Suspended Solids	mg/L	15	-	-		-	-	13	-	-	4
Total Dissolved Solids	mg/L		14840	14620	1	793	-	1335	193	-	405
Turbidity	NTU	15	18.1	25.7		-	-	-	-	-	-
Total Metals											
Aluminum ¹	mg/L	0.5	0.248	0.256	0.002	4.16	1.2	0.25	0.4	0.48	0.13
Antimony	mg/L		-	-		<0.001	<0.001	0.0004	<0.0002	<0.0002	< 0.001
Arsenic	mg/L		0.128	0.142	0.0005	<0.001	0.017	0.004	0.0005	0.0006	0.002
Barium	mg/L		0.1484	0.1991	0.0005	0.18	0.2	0.301	0.027	0.028	0.052
Beryllium	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Bismuth	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Boron	mg/L		-	-		0.59	1.07	2.43	0.11	0.11	0.27
Cadmium ³	mg/L		<0.00002	0.00009	0.00002	0.00024	0.00037	<0.00004	<0.00004	<0.00004	< 0.0002
Calcium	mg/L		5263	5857	0.03	72	87.1	95.4	19.1	19.1	33.4
Chromium ²	mg/L		-	-		0.049	0.32	0.004	0.0017	0.0021	< 0.001
Cobalt	mg/L		-	-		0.004	0.016	0.0009	0.0005	0.0005	< 0.001
Copper ³	mg/L	0.3	0.0237	0.0357	0.0005	0.044	0.071	0.0035	0.0022	0.002	< 0.001
Iron	mg/L		1.3	1.9	0.01	6.05	10.7	1.14	1.02	1.11	1.1
Lead ³	mg/L	0.2	<0.0003	0.0031	0.0003	0.013	0.03	0.0025	0.0015	0.0013	< 0.001
Lithium	mg/L		-	-		0.025	0.031	0.04	0.0031	0.0032	0.006
Magnesium	mg/L		29.9	32.6	0.02	33.2	41.5	37.1	8.29	8.2	15.6
Manganese	mg/L		0.0433	0.05	0.0005	0.073	0.72	0.415	0.309	0.304	0.93
Mercury	mg/L		0.00073	0.00077	0.00001	-	-	<0.00002	<0.00002	<0.00002	< 0.00002
Molybdenum	mg/L		<0.0005	<0.0005	0.0005	<0.0005	0.011	0.0083	0.013	0.013	0.012
Nickel ³	mg/L	0.5	0.2	0.2	0.0005	0.056	0.13	0.0045	0.002	0.0022	< 0.001
Phosphorus	mg/L		-	-		0.069	0.075	0.16	<0.03	<0.03	< 0.15
Potassium	mg/L		201	225	0.05	7.31	9.1	9.13	3.63	3.68	6.1
Selenium	mg/L		0.564	0.594	0.001	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Silicon	mg/L		-	-		0.4	4.12	5.07	2.31	2.71	2.7
Silver	mg/L		0.01230	0.01460	0.00020	0.0064	0.011	0.00028	<0.00005	<0.00005	< 0.00025
Sodium	mg/L		344	550	0.05	22	25	357	16	15.9	50.5
Strontium	mg/L		-	-		0.68	0.79	1.56	0.119	0.12	0.28
Tellurium	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Thallium	mg/L		<0.005	<0.005	0.005	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	< 0.0001
Thorium	mg/L		-	-		<0.0005	0.0038	<0.0001	0.0005	0.0006	< 0.0005
Tin	mg/L		-	-		<0.001	0.002	0.0009	<0.0002	<0.0002	< 0.001
Titanium	mg/L		-	-		0.01	0.22	0.01	0.024	0.029	0.006
Uranium	mg/L		-	-		0.0012	0.0017	0.0003	0.0006	0.0006	< 0.0005
Vanadium	mg/L		-	-		<0.001	0.029	0.0004	0.0007	0.0008	< 0.001
Zinc	mg/L	0.5	0.038	0.091	0.001	0.063	0.087	0.007	0.005	0.005	< 0.005
Zirconium	mg/L		-	-		<0.0010	<0.0010	<0.002	<0.002	<0.002	< 0.01

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcaniclastic		Method Detection Limit 29-Sep-11	Ultramafic Rock					
			Goose Island			Goose Island					
			MW11-01			MW03-01					
			15979 29-Sep-11	15980 29-Sep-11 FD		9755-2 07-Sep-03	9755-3 07-Sep-03 FD	9044-01 Aug-7-04	12393-01 Aug-8-06	12393-02 Aug-8-06 FD	12395-01 Aug-14-06
Dissolved Metals											
Aluminum	mg/L	0.3	0.15	0.01	0.01	0.051	0.011	0.005	0.3	0.3	< 0.005
Antimony	mg/L		-	-	-	<0.001	<0.001	0.0002	<0.0002	<0.0002	< 0.001
Arsenic	mg/L		0.137	0.130	0.005	<0.001	0.0038	0.0005	0.0005	0.0005	0.003
Barium	mg/L		0.13	0.136	0.005	0.12	0.13	0.3	0.025	0.025	0.051
Beryllium	mg/L	0.002	-	-	-	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Bismuth	mg/L		-	-	-	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Boron	mg/L		-	-	-	0.53	1.03	2.39	0.1	0.1	0.27
Cadmium	mg/L		<0.005	<0.005	0.005	0.00007	0.00012	<0.00004	<0.00004	<0.00004	< 0.0002
Calcium	mg/L	0.1	5136	5099	0.05	65.6	67	94.2	17.6	17.9	33.7
Chromium ²	mg/L		-	-	-	<0.001	<0.001	0.0002	0.0012	0.0012	< 0.001
Cobalt	mg/L		-	-	-	0.001	0.001	0.0008	0.0004	0.0004	< 0.001
Copper	mg/L		0.021	0.015	0.005	0.002	0.002	0.0004	0.0016	0.0016	< 0.001
Iron	mg/L	0.1	1.3	0.97	0.05	<0.05	0.07	0.08	0.84	0.85	0.2
Lead	mg/L		<0.005	<0.005	0.005	<0.001	<0.001	<0.0002	0.0014	0.0012	< 0.001
Lithium	mg/L		-	-	-	0.017	0.017	0.033	0.0028	0.0027	0.005
Magnesium	mg/L		22.5	25.8	0.05	23.4	24.3	35.1	7.76	7.92	16.1
Manganese	mg/L	0.2	0.029	0.029	0.005	0.06	0.28	0.381	0.286	0.293	0.980
Mercury	mg/L		0.0006	0.0006	0.0005	-	-	<0.00002	<0.00002	<0.00002	< 0.00002
Molybdenum	mg/L		<0.005	<0.005	0.005	<0.0005	0.0057	0.0076	0.012	0.012	0.013
Nickel	mg/L		0.2	0.2	0.005	0.006	0.005	0.0026	0.0019	0.0019	< 0.001
Phosphorus	mg/L	0.4	-	-	-	0.1	0.15	0.04	<0.03	<0.03	< 0.15
Potassium	mg/L		183	192	0.05	5.71	5.95	8.56	3.27	3.28	6.1
Selenium	mg/L		0.637	0.606	0.005	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Silicon	mg/L		-	-	-	0.32	3.27	3.89	1.96	1.98	2.50
Silver	mg/L	0.4	<0.005	<0.005	0.005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	< 0.00025
Sodium	mg/L		283.0	338.0	0.05	20	22	327.0	15.0	15.6	52.5
Strontium	mg/L		-	-	-	0.58	0.59	1.46	0.111	0.114	0.29
Tellurium	mg/L		-	-	-	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Thallium	mg/L	0.4	<0.01	<0.01	0.01	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	< 0.0001
Thorium	mg/L		-	-	-	<0.0005	<0.0005	<0.0001	0.0004	0.0004	< 0.0005
Tin	mg/L		-	-	-	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Titanium	mg/L		-	-	-	<0.001	<0.001	0.0003	0.019	0.018	< 0.001
Uranium	mg/L	0.4	-	-	-	0.0006	0.0006	0.0003	0.0006	0.0006	< 0.0005
Vanadium	mg/L		-	-	-	<0.001	<0.001	<0.0002	0.0006	0.0006	< 0.001
Zinc	mg/L		0.020	0.013	0.005	0.006	<0.005	0.002	0.005	0.005	< 0.005
Zirconium	mg/L		-	-	-	<0.0010	<0.0010	<0.002	<0.002	<0.002	< 0.01
Anions											
Dissolved Fluoride	mg/L	1000	0.55	0.62	0.02	< 0.05	< 0.05	0.12	0.16	0.17	0.16
Dissolved Chloride	mg/L		10271	9859	0.5	626	621	845	34.7	33.7	128
Nutrients											
Total Nitrogen	mg/L	20*	-	-	-	-	-	-	-	-	-
Ammonium	mg/L		0.07	0.27	0.05	-	-	-	-	-	-
Nitrate and Nitrite	mg/L		-	-	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-
Nitrate	mg/L		0.28	0.29	0.01	-	-	< 0.05	< 0.05	< 0.05	< 0.1
Nitrite	mg/L	16	<0.01	<0.01	0.01	-	-	-	0.003	0.004	0.002
Ammonia Nitrogen	mg/L		-	-	-	0.38	0.37	-	0.21	0.19	-
Total Kjeldahl Nitrogen	mg/L		-	-	-	0.7	0.6	0.3	0.3	0.3	-
Total Phosphorus	mg/L		-	-	-	0.07	0.08	0.05	0.04	0.04	-
Cyanide (mg/L)											
Total	mg/L	1.0	<0.005	-	0.005	-	-	<0.01	-	-	-
Free	mg/L		<0.005	-	0.005	-	-	<0.1	-	-	-

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Ultramafic Rock								
			Goose Island								
			MW03-01								
			8581-01 Aug-17-07	8581-02 Aug-17-07 FD	F66745 15-Sep-08	F68109 15-Sep-08 FD	154321 7-Sep-09	154321 7-Sep-09 Lab-dup	154359 7-Sep-09 FD	L51870 L51884 26-Aug-10	L51870 26-Aug-10 Lab-dup
FIELD-MEASURED PARAMETERS											
pH	s.u.	6.0-9.0	7.43	-	6.70	-	6.97	-	-	7.13	-
Conductivity	uS/cm		776	-	2100	-	2436	-	-	340	-
Alkalinity (mg/L as CaCO3)			39	-	-	-					
LABORATORY PARAMETERS											
Calculated TDS	mg/L	6.0-9.0	249	250	-						-
pH	s.u.		6.78	6.96	7.90	7.80	6.71	-	7.20	6.90	-
Conductivity	uS/cm		588	583	3200	3100	3300	3400	3400	350	-
Total Alkalinity	mg/L		36.7	36.7	24	33	15	17	18	49	-
Bicarbonate Alkalinity HCO3			44.8	44.8	-	-				345	-
Carbonate Alkalinity CO3			< 0.5	< 0.5	-	-					-
Hydroxide Alkalinity OH		< 0.5	< 0.5	-	-					-	
Dissolved Sulphate	mg/L		46.5	46.3	6	5.7	3.9	-	3.6	87	-
Hardness CaCO3*			107	109	-	-					-
Hardness (Total)	mg/L		116	112	310	320	450	-	440	77	-
Total Suspended Solids	mg/L	15	2	3	5	7	-	-	-	-	-
Total Dissolved Solids	mg/L		389	-	1100	-	1900	-	1900	-	-
Turbidity	NTU	15	-	-	3.3	4.1	2.1	-	8.2	210	-
Total Metals											
Aluminum ¹	mg/L	0.5	0.053	0.059	-	-	-	-	-	<0.03	-
Antimony	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Arsenic	mg/L		< 0.001	< 0.001	-	-	-	-	-	<0.002	-
Barium	mg/L		0.053	0.052	-	-	-	-	-	<0.03	-
Beryllium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Bismuth	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Boron	mg/L		0.23	0.23	-	-	-	-	-	-	-
Cadmium ³	mg/L		< 0.0002	< 0.0002	-	-	-	-	-	<0.001	-
Calcium	mg/L		26.1	25.1	73	-	-	-	-	21	-
Chromium ²	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Cobalt	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Copper ³	mg/L	0.3	0.001	0.001	-	-	-	-	-	<0.003	-
Iron	mg/L		0.94	0.93	-	-	-	-	-	0.6	-
Lead ³	mg/L	0.2	0.001	0.001	-	-	-	-	-	-	-
Lithium	mg/L		< 0.005	< 0.005	-	-	-	-	-	-	-
Magnesium	mg/L		12.4	12.1	-	-	-	-	-	6.1	-
Manganese	mg/L		0.77	0.75	-	-	-	-	-	0.55	-
Mercury	mg/L		< 0.00002	< 0.00002	-	-	-	-	-	<0.0001	-
Molybdenum	mg/L		0.0084	0.0084	-	-	-	-	-	<0.03	-
Nickel ³	mg/L	0.5	0.001	0.001	-	-	-	-	-	<0.01	-
Phosphorus	mg/L		< 0.15	< 0.15	-	-	-	-	-	-	-
Potassium	mg/L		4.7	4.5	-	-	-	-	-	2.1	-
Selenium	mg/L		< 0.001	< 0.001	-	-	-	-	-	<0.001	-
Silicon	mg/L		1.4	1.3	-	-	-	-	-	-	-
Silver	mg/L		< 0.00025	< 0.00025	-	-	-	-	-	0.0014	-
Sodium	mg/L		39.1	37.5	-	-	-	-	-	2.5	-
Strontium	mg/L		0.24	0.24	-	-	-	-	-	-	-
Tellurium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Thallium	mg/L		< 0.0001	< 0.0001	-	-	-	-	-	<0.01	-
Thorium	mg/L		< 0.0005	< 0.0005	-	-	-	-	-	-	-
Tin	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Titanium	mg/L		0.003	0.003	-	-	-	-	-	-	-
Uranium	mg/L		< 0.0005	< 0.0005	-	-	-	-	-	-	-
Vanadium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Zinc	mg/L	0.5	0.009	0.009	-	-	-	-	-	0.009	-
Zirconium	mg/L		< 0.01	< 0.01	-	-	-	-	-	-	-

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Ultramafic Rock								
			Goose Island								
			MW03-01								
			8581-01 Aug-17-07	8581-02 Aug-17-07 FD	F66745 15-Sep-08	F68109 15-Sep-08 FD	154321 7-Sep-09	154321 7-Sep-09 Lab-dup	154359 7-Sep-09 FD	L51870 L51884 26-Aug-10	L51870 26-Aug-10 Lab-dup
Dissolved Metals											
Aluminum	mg/L	0.3	< 0.005	0.011	0.0013	0.0068	<0.0001	-	<0.0001	0.03	-
Antimony	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Arsenic	mg/L		< 0.001	< 0.001	0.0001	<0.0001	<0.002	-	<0.002	<0.002	-
Barium	mg/L		0.048	0.051	0.25	0.25	0.42	-	0.39	<0.03	-
Beryllium	mg/L	0.002	< 0.001	< 0.001	-	-	-	-	-	-	-
Bismuth	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Boron	mg/L		0.2	0.21	-	-	-	-	-	-	-
Cadmium	mg/L		< 0.0002	< 0.0002	0.0002	<0.0002	<0.001	-	<0.001	<0.001	-
Calcium	mg/L	0.1	24	24.5	73	75	100	-	99	18	-
Chromium ²	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Cobalt	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Copper	mg/L		< 0.001	0.001	0.0015	0.0023	<0.003	-	<0.003	<0.003	-
Iron	mg/L	0.1	< 0.05	< 0.05	0.03	<0.03	<0.1	-	<0.1	<0.1	-
Lead	mg/L		< 0.001	< 0.001	0.00021	0.00020	<0.001	-	0.001	<0.001	-
Lithium	mg/L		< 0.005	< 0.005	-	-	-	-	-	-	-
Magnesium	mg/L		11.4	11.6	31	32	46	-	47	4.1	-
Manganese	mg/L	0.2	0.700	0.720	0.430	0.44	0.22	-	0.22	0.36	-
Mercury	mg/L		< 0.00002	< 0.00002	<0.00001	<0.00001	<0.0001	-	<0.0001	<0.0001	-
Molybdenum	mg/L		0.0079	0.0079	0.0082	0.0078	<0.03	-	<0.003	<0.03	-
Nickel	mg/L		0.001	0.001	0.0015	0.0015	<0.01	-	<0.01	<0.01	-
Phosphorus	mg/L	0.4	< 0.15	< 0.15	-	-	-	-	-	-	-
Potassium	mg/L		4.3	4.4	8.4	8.5	11	-	11	1.5	-
Selenium	mg/L		< 0.001	< 0.001	0.001	<0.001	<0.001	-	<0.001	<0.001	-
Silicon	mg/L		1.20	1.20	-	-	-	-	-	-	-
Silver	mg/L	0.2	< 0.00025	< 0.00025	0.0001	<0.0001	<0.0003	-	<0.0003	<0.0003	-
Sodium	mg/L		34.2	35.0	-	-	420	-	430	1.8	-
Strontium	mg/L		0.22	0.22	-	-	-	-	-	-	-
Tellurium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Thallium	mg/L	0.4	< 0.0001	< 0.0001	0.002	<0.002	<0.01	-	<0.01	<0.01	-
Thorium	mg/L		< 0.0005	< 0.0005	-	-	-	-	-	-	-
Tin	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Titanium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Uranium	mg/L	0.4	< 0.0005	< 0.0005	-	-	-	-	-	-	-
Vanadium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Zinc	mg/L		< 0.005	0.005	0.017	0.014	<0.003	-	<0.003	0.011	-
Zirconium	mg/L		< 0.01	< 0.01	-	-	-	-	-	-	-
Anions											
Dissolved Fluoride	mg/L	1000	0.18	0.18	<0.1	<0.1	0.1	-	<0.1	0.2	-
Dissolved Chloride	mg/L		126	126	950	980	990	-	950	5.7	-
Nutrients											
Total Nitrogen	mg/L	20*	< 0.2	0.3	0.53	0.49	-	-	-	-	-
Ammonium	mg/L		-	-	-	-	-	-	-	-	-
Nitrate and Nitrite	mg/L		-	-	<0.2	<0.4	<0.42	-	<0.42	0.09	-
Nitrate	mg/L		< 0.01	0.09	<0.02	<0.02	<0.02	-	<0.02	-	-
Nitrite	mg/L	16	0.002	< 0.002	<0.2	<0.4	-	-	-	-	-
Ammonia Nitrogen	mg/L		0.14	0.15	-	-	0.54	-	0.51	0.08	0.08
Total Kjeldahl Nitrogen	mg/L	1.0	< 0.2	0.2	-	-	-	-	-	-	-
Total Phosphorus	mg/L		0.01	0.02	-	-	-	-	-	-	-
Cyanide (mg/L)											
Total	mg/L	1.0	-	-	-	-	-	-	-	-	-
Free	mg/L		-	-	-	-	-	-	-	-	-

FD = Field Duplicate

- Not analyzed

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Iron Formation Rock					
			Goose Island					
			MW03-02			MW06-06		
			9756-03 28-Sep-03	9043-01 Jul 31-04	9043-01 Jul 31-04 Decant °	9043-02 Jul 31-04 FD	12567-01 24-Aug-06	12567-02 24-Aug-06 FD
FIELD-MEASURED PARAMETERS								
pH	s.u.	6.0-9.0	7.68	7.19	-	-	7.59	-
Conductivity	uS/cm		660	1104	-	-	1306	-
Alkalinity (mg/L as CaCO3)			96 - 100	51	-	-	46.3	-
LABORATORY PARAMETERS								
Calculated TDS	mg/L	6.0-9.0	387	499	-		588	678
pH	s.u.		7.04	7.25	-	7.34	7.33	7.29
Conductivity	uS/cm		-	1270	-	1280	1210	1200
Total Alkalinity	mg/L		103	41.6	-	42.9	49.9	49.9
Bicarbonate Alkalinity HCO3			125	50.8	-	52.4	60.9	60.9
Carbonate Alkalinity CO3			< 0.5	< 0.5	-	< 0.5	< 0.5	< 0.5
Hydroxide Alkalinity OH			< 0.5	< 0.5	-	< 0.5	< 0.5	< 0.5
Dissolved Sulphate	mg/L		263	38.4	-	38.2	65.1	56
Hardness CaCO3*			290	308	-	-	345	347
Hardness (Total)	mg/L		316	313	292	-	326	316
Total Suspended Solids	mg/L	15	-	96	-	90	16	28
Total Dissolved Solids	mg/L		-	-	-	-	650	-
Turbidity	NTU	15	-	-	-	-	-	-
Total Metals								
Aluminum ¹	mg/L	0.5	1.07	2.31	0.37	-	0.16	0.13
Antimony	mg/L		<0.001	0.0003	0.0002	-	<0.001	<0.001
Arsenic	mg/L		0.002	0.0038	0.002	-	0.003	0.003
Barium	mg/L		0.028	0.096	0.076	-	0.024	0.024
Beryllium	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Bismuth	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Boron	mg/L		0.06	0.97	0.87	-	0.36	0.31
Cadmium ³	mg/L		<0.0002	0.00018	0.0001	-	<0.0002	<0.0002
Calcium	mg/L		68.3	74.7	72.5	-	89.3	86.1
Chromium ²	mg/L		0.003	0.008	0.0012	-	<0.001	<0.001
Cobalt	mg/L		0.004	0.0072	0.0045	-	0.002	0.002
Copper ³	mg/L	0.3	0.004	0.007	0.002	-	0.001	0.005
Iron	mg/L		2.96	4.72	0.68	-	0.57	0.57
Lead ³	mg/L	0.2	0.002	0.0035	0.0005	-	<0.001	<0.001
Lithium	mg/L		0.021	0.021	0.017	-	0.029	0.028
Magnesium	mg/L		35.2	30.7	27	-	25	24.5
Manganese	mg/L		1.04	0.517	0.417	-	0.41	0.43
Mercury	mg/L		<0.00002	< 0.00002	< 0.00002	-	<0.00002	<0.00002
Molybdenum	mg/L		0.022	0.015	0.013	-	0.0087	0.009
Nickel ³	mg/L	0.5	0.008	0.017	0.011	-	0.007	0.01
Phosphorus	mg/L		0.19	0.34	0.09	-	1.2	1.2
Potassium	mg/L		5.94	7.8	6.9	-	6.7	6.5
Selenium	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Silicon	mg/L		10.7	13.8	7.57	-	4.7	4.6
Silver	mg/L		<0.0001	0.00067	0.00016	-	<0.00025	<0.00025
Sodium	mg/L		6.81	91.9	84.9	-	59	55.9
Strontium	mg/L		0.26	0.759	0.691	-	0.75	0.72
Tellurium	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Thallium	mg/L		<0.0001	0.00006	< 0.00002	-	<0.0001	<0.0001
Thorium	mg/L		0.0007	< 0.0001	< 0.0001	-	<0.0005	<0.0005
Tin	mg/L		<0.001	0.0003	< 0.0002	-	<0.001	<0.001
Titanium	mg/L		0.063	0.158	0.02	-	0.005	0.005
Uranium	mg/L		0.0084	0.002	0.0013	-	0.0018	0.0018
Vanadium	mg/L		0.002	0.0039	0.0006	-	0.002	0.002
Zinc	mg/L	0.5	0.014	0.042	0.015	-	<0.005	<0.005
Zirconium	mg/L		<0.0010	< 0.002	< 0.002	-	<0.01	<0.01

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Iron Formation Rock					
			Goose Island					
			MW03-02				MW06-06	
			9756-03 28-Sep-03	9043-01 Jul 31-04	9043-01 Jul 31-04 Decant °	9043-02 Jul 31-04 FD	12567-01 24-Aug-06	12567-02 24-Aug-06 FD
Dissolved Metals								
Aluminum	mg/L	0.3	0.47	0.019	-	-	<0.005	<0.005
Antimony	mg/L		<0.001	0.0003	-	-	<0.001	<0.001
Arsenic	mg/L		0.002	0.002	-	-	0.002	0.002
Barium	mg/L		0.023	0.086	-	-	0.018	0.019
Beryllium	mg/L	0.002	<0.001	< 0.0002	-	-	<0.001	<0.001
Bismuth	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Boron	mg/L		0.06	0.94	-	-	0.37	0.44
Cadmium	mg/L		<0.0002	0.00016	-	-	<0.0002	<0.0002
Calcium	mg/L	0.1	63.1	73.5	-	-	87.1	85.3
Chromium ²	mg/L		0.001	0.0004	-	-	<0.001	<0.001
Cobalt	mg/L		0.004	0.0060	-	-	<0.001	<0.001
Copper	mg/L		0.004	0.0014	-	-	0.001	<0.001
Iron	mg/L	0.1	1.91	0.05	-	-	<0.05	<0.05
Lead	mg/L		0.001	< 0.0002	-	-	<0.001	<0.001
Lithium	mg/L		0.019	0.016	-	-	0.028	0.025
Magnesium	mg/L		32.1	30.2	-	-	24.0	23.6
Manganese	mg/L	0.2	0.96	0.492	-	-	0.006	0.003
Mercury	mg/L		<0.00002	< 0.02	-	-	<0.00002	<0.00002
Molybdenum	mg/L		0.018	0.014	-	-	0.0081	0.0069
Nickel	mg/L		0.007	0.012	-	-	0.005	0.004
Phosphorus	mg/L	0.4	0.16	< 0.03	-	-	0.9	0.8
Potassium	mg/L		5.36	7.43	-	-	6.6	5.8
Selenium	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Silicon	mg/L		7.98	5.88	-	-	4.1	3.8
Silver	mg/L	0.4	<0.0001	< 0.00005	-	-	<0.00025	<0.00025
Sodium	mg/L		6.29	89.5	-	-	58.2	55.9
Strontium	mg/L		0.24	0.736	-	-	0.72	0.76
Tellurium	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Thallium	mg/L	0.4	<0.0001	< 0.00002	-	-	<0.0001	<0.0001
Thorium	mg/L		<0.0005	< 0.0001	-	-	<0.0005	<0.0005
Tin	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Titanium	mg/L		0.024	0.0008	-	-	<0.001	<0.001
Uranium	mg/L	0.4	0.0077	0.0013	-	-	0.0016	0.0014
Vanadium	mg/L		<0.001	< 0.0002	-	-	0.001	0.001
Zinc	mg/L		0.012	0.029	-	-	<0.005	<0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	<0.01	<0.01
Anions								
Dissolved Fluoride	mg/L	1000	0.35	0.6	-	0.57	0.55	0.63
Dissolved Chloride	mg/L		5.4	251	-	259	304	331
Nutrients								
Total Nitrogen	mg/L	20*	-	-	-	-	-	-
Ammonium	mg/L		-	-	-	-	-	-
Nitrate and Nitrite	mg/L		< 0.05	< 0.05	-	< 0.05	< 0.25	< 0.25
Nitrate	mg/L		< 0.05	< 0.05	-	< 0.05	< 0.25	< 0.25
Nitrite	mg/L	16	0.005	0.006	-	0.007	0.005	0.004
Ammonia Nitrogen	mg/L		0.19	0.07	-	0.05	-	-
Total Kjeldahl Nitrogen	mg/L	16	-	0.4	-	-	0.6	0.6
Total Phosphorus	mg/L		0.10	0.23	-	0.25	-	-
Cyanide (mg/L)								
Total	mg/L	1.0	-	<0.01	-	-	-	-
Free	mg/L		-	<0.1	-	-	-	-

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic Rock				Intermediate Volcanic			Method Detection Limit
			North Portage			Goose Island	Second Portage Arm (tailings disposal area)			
			MW03-03			MW06-05	MW03-04	MW06-07		
			9756-02 25-Sep-03	9045-01 Aug-9-04	9045-02 Aug-9-04 FD		9756-01 18-Sep-03	12568-01 30-Aug-06	12568-02 30-Aug-06 FD	
FIELD-MEASURED PARAMETERS										
pH	s.u.	6.0-9.0	8.63	7.77	-		7.67	8.00	8.00	-
Conductivity	uS/cm		350	627	-		370 - 450	440	440	-
Alkalinity (mg/L as CaCO3)			87	102	-	-	-	84	84	-
LABORATORY PARAMETERS										
Calculated TDS	mg/L	6.0-9.0	254	239			154	172**	162**	-
pH	s.u.		7.83	7.96	-	-	-	7.54	7.57	-
Conductivity	uS/cm		-	640			-	281	285	0.001
Total Alkalinity	mg/L		93.8	133	-	-	-	89	89	1
Bicarbonate Alkalinity HCO3			114	162	-	-	-	108	108	0.5
Carbonate Alkalinity CO3			< 0.5	< 0.5	-	-	-	< 0.5	< 0.5	0.5
Hydroxide Alkalinity OH		< 0.5	< 0.5	-	-	-	< 0.5	< 0.5	0.5	
Dissolved Sulphate	mg/L		26.6	6.2	-	-	63.8	4	3.76	0.1
Hardness CaCO3*			136	210	-	-	53	106	107	1
Hardness (Total)	mg/L		144	216	-	-	-	124	128	1
Total Suspended Solids	mg/L	15	-	1		-	-	11	11	1
Total Dissolved Solids	mg/L		-	-	-	-	-	220	220	0.2
Turbidity	NTU	15	-	-	-	-	-	-	-	0.2
Total Metals										
Aluminum ¹	mg/L	0.5	0.018	0.12	-	-	-	1.08	1.06	0.03
Antimony	mg/L		0.002	0.0002	-	-	-	< 0.001	< 0.001	0.001
Arsenic	mg/L		0.004	0.015	-	-	-	0.001	0.002	0.002
Barium	mg/L		0.02	0.05	-	-	-	0.11	0.11	0.03
Beryllium	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Bismuth	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Boron	mg/L		0.09	0.19	-	-	-	< 0.05	< 0.05	0.05
Cadmium ³	mg/L		<0.0002	0.00006	-	-	-	< 0.0002	< 0.0002	0.001
Calcium	mg/L		28	47.7	-	-	-	34.9	36.4	0.1
Chromium ²	mg/L		<0.001	0.001	-	-	-	0.006	0.005	0.001
Cobalt	mg/L	<0.001	0.0004	-	-	-	0.001	0.001	0.001	
Copper ³	mg/L	0.3	<0.001	0.0014	-	-	-	0.011	0.011	0.003
Iron	mg/L		<0.05	0.46	-	-	-	1.5	1.58	0.1
Lead ³	mg/L	0.2	0.001	0.0006	-	-	-	0.001	0.001	0.001
Lithium	mg/L		0.007	0.0092	-	-	-	0.004	0.004	0.001
Magnesium	mg/L		18	23.5	-	-	-	8.81	9.04	0.1
Manganese	mg/L		0.11	0.131	-	-	-	0.073	0.074	0.003
Mercury	mg/L		<0.00002	< 0.00002	-	-	-	< 0.00002	< 0.00002	0.0001
Molybdenum	mg/L		0.056	0.093	-	-	-	0.005	0.0048	0.03
Nickel ³	mg/L	0.5	0.003	0.0024	-	-	-	0.005	0.005	0.01
Phosphorus	mg/L		0.07	0.08	-	-	-	0.4	0.4	0.01
Potassium	mg/L		3.51	2.65	-	-	-	2.7	2.8	0.1
Selenium	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Silicon	mg/L		3.78	5.96	-	-	-	5	5	0.05
Silver	mg/L		<0.0001	0.0001	-	-	-	0.0009	0.0009	0.00030
Sodium	mg/L		17.6	33.6	-	-	-	8.85	9.12	0.03
Strontium	mg/L		0.26	0.581	-	-	-	0.23	0.24	0.001
Tellurium	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Thallium	mg/L		<0.0001	< 0.00002	-	-	-	< 0.0001	< 0.0001	0.01
Thorium	mg/L		<0.0005	< 0.0001	-	-	-	< 0.0005	< 0.0005	0.0005
Tin	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Titanium	mg/L		<0.001	0.0045	-	-	-	0.032	0.031	0.001
Uranium	mg/L		0.012	0.0088	-	-	-	0.0095	0.0097	0.0005
Vanadium	mg/L		<0.001	0.0002	-	-	-	0.002	0.002	0.001
Zinc	mg/L	0.5	<0.005	0.006		-	-	0.006	0.006	0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	-	< 0.01	< 0.01	0.001

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic Rock				Intermediate Volcanic			Method Detection Limit
			North Portage			Goose Island	Second Portage Arm (tailings disposal area)			
			MW03-03			MW06-05	MW03-04	MW06-07		
			9756-02 25-Sep-03	9045-01 Aug-9-04	9045-02 Aug-9-04 FD		9756-01 18-Sep-03	12568-01 30-Aug-06	12568-02 30-Aug-06 FD	
Dissolved Metals										
Aluminum	mg/L	0.3	0.018	0.006	-	-	0.72	0.04	0.042	0.03
Antimony	mg/L		0.002	< 0.0002	-	-	0.001	< 0.001	< 0.001	0.001
Arsenic	mg/L		0.004	0.013	-	-	0.007	< 0.001	0.0010	0.0020
Barium	mg/L		0.018	0.048	-	-	0.03	0.086	0.086	0.03
Beryllium	mg/L	0.002	<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Bismuth	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Boron	mg/L		0.08	0.17	-	-	<0.05	< 0.05	< 0.05	0.05
Cadmium	mg/L		<0.0002	0.00004	-	-	<0.0002	< 0.0002	< 0.0002	0.001
Calcium	mg/L	0.1	26.3	47.1	-	-	15	31	31.5	0.1
Chromium ²	mg/L		<0.001	0.0003	-	-	<0.001	< 0.001	< 0.001	0.001
Cobalt	mg/L		<0.001	0.0003	-	-	0.003	< 0.001	< 0.001	0.0010
Copper	mg/L		<0.001	0.0002	-	-	0.006	0.005	0.008	0.003
Iron	mg/L	0.1	<0.05	< 0.01	-	-	0.55	< 0.05	0.05	0.1
Lead	mg/L		<0.001	< 0.0002	-	-	0.006	< 0.001	< 0.001	0.001
Lithium	mg/L		0.007	0.0081	-	-	0.015	0.002	0.002	0.001
Magnesium	mg/L		17.1	22.4	-	-	3.81	6.83	6.92	0.1
Manganese	mg/L	0.2	0.1	0.130	-	-	0.049	0.032	0.032	0.003
Mercury	mg/L		<0.00002	< 0.02	-	-	<0.00002	< 0.00002	< 0.00002	0.0001
Molybdenum	mg/L		0.052	0.09	-	-	0.024	0.004	0.0042	0.030
Nickel	mg/L		0.003	0.0018	-	-	0.003	0.002	0.002	0.01
Phosphorus	mg/L	0.4	0.07	< 0.03	-	-	5.58	0.3	0.3	0.01
Potassium	mg/L		3.33	2.64	-	-	5.44	2.3	2.3	0.1
Selenium	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Silicon	mg/L		3.62	5.70	-	-	10.2	2.70	2.70	0.05
Silver	mg/L	1000	<0.0001	< 0.00005	-	-	<0.0001	< 0.00025	< 0.00025	0.0003
Sodium	mg/L		16.5	32.0	-	-	52.9	7.7	7.8	0.1
Strontium	mg/L		0.24	0.556	-	-	0.14	0.2	0.2	0.001
Tellurium	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Thallium	mg/L	16	<0.0001	< 0.00002	-	-	<0.0001	< 0.0001	< 0.0001	0.01
Thorium	mg/L		<0.0005	< 0.0001	-	-	<0.0005	< 0.0005	< 0.0005	0.0005
Tin	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Titanium	mg/L		<0.001	0.0003	-	-	0.003	< 0.001	< 0.001	0.001
Uranium	mg/L	0.4	0.012	0.0087	-	-	0.013	0.008	0.008	0.0005
Vanadium	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Zinc	mg/L		<0.005	0.004	-	-	0.022	< 0.005	< 0.005	0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	<0.0010	< 0.01	< 0.01	0.001
Anions										
Dissolved Fluoride	mg/L	1000	0.46	0.38	-	-	0.34	0.2	0.11	0.1
Dissolved Chloride	mg/L		50.4	121	-	-	13.4	33.3	33.5	0.05
Nutrients										
Total Nitrogen	mg/L	20*	-	-	-	-	-	-	-	<0.02
Ammonium	mg/L		-	-	-	-	-	-	-	-
Nitrate and Nitrite	mg/L		0.15	< 0.05	< 0.01	-	< 0.05	-	-	0.02
Nitrate	mg/L		0.15	< 0.05	-	-	< 0.05	0.12	0.12	0.05
Nitrite	mg/L	16	0.003	< 0.002	-	-	0.004	0.003	0.003	0.002
Ammonia Nitrogen	mg/L		0.08	-	-	-	-	-	-	0.01
Total Kjeldahl Nitrogen	mg/L		-	0.2	0.2	-	-	-	-	0.2
Total Phosphorus	mg/L		0.07	0.05	0.10	-	-	-	-	0.02
Cyanide (mg/L)										
Total	mg/L	1.0	-	<0.01	<0.01	-	-	-	-	-
Free	mg/L		-	<0.1	<0.1	-	-	-	-	-

FD = Field Duplicate

- Not analyzed

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic and Quartzite		Intermediate Volcaniclastic		Method Detection Limit
				Second Portage Lake Arm		Second Portage Lake Arm		
				BH 10-01		MW11-02		
				L51892 L51894 27-Aug-10	L51893 L51895 27-Aug-10 FD	15870 26-Sep-11	15871 26-Sep-11 FD	28-Sep-11
FIELD-MEASURED PARAMETERS								
Temperature		°C	6.0-9.0	3.9	-	8.9	-	
pH		s.u.		7.60	-	8.93	-	
Conductivity		uS/cm		910	-	8.93	-	
LABORATORY PARAMETERS								
Calculated TDS (mg/L)	CaCO3	s.u.	6.0-9.0	393	401	123	123	--
pH				7.55	7.56	7.19	7.40	
Conductivity				930	940	-	-	
Total Alkalinity				110	110	104	103	
Bicarbonate Alkalinity HCO3						-	-	
Carbonate Alkalinity CO3	SO4	mg/L			-	-		2
Hydroxide Alkalinity OH		mg/L			-	-		
Dissolved Sulphate		mg/L	210	210	42	41		
Hardness CaCO3*		mg/L			167	165		
Hardness (Total)		mg/L	300	300	-	-		
Total Suspended Solids	TSS	mg/L	15	-	-	-	-	1
Total Dissolved Solids	TDS	mg/L		650	690	263	259	
Turbidity		NTU	15	56	55	55.8	69.3	
Total Metals								
Aluminum ¹	Al	mg/L	0.5	<0.03	<0.03	1.810	1.23	0.002
Antimony	Sb	mg/L		-	-	-	-	
Arsenic	As	mg/L		0.018	0.018	<0.0005	<0.0005	0.0005
Barium	Ba	mg/L		0.44	0.44	0.2297	0.2097	0.0005
Beryllium	Be	mg/L		-	-	-	-	
Bismuth	Bi	mg/L		-	-	-	-	
Boron	B	mg/L		-	-	-	-	
Cadmium ³	Cd	mg/L		<0.001	<0.001	0.00004	<0.00002	0.00002
Calcium	Ca	mg/L		71	69	49.7	49.2	0.03
Chromium ²	Cr	mg/L		-	-	-	-	
Cobalt	Co	mg/L		-	-	-	-	
Copper ³	Cu	mg/L	0.3	<0.003	<0.003	0.0320	0.0247	0.0005
Iron	Fe	mg/L		3.1	3.1	1.9	0.90	0.01
Lead ³	Pb	mg/L	0.2	<0.001	<0.001	0.0030	0.0039	0.0003
Lithium	Li	mg/L		-	-	-	-	
Magnesium	Mg	mg/L		30	30	10.6	10.4	0.02
Manganese	Mn	mg/L		0.17	0.17	0.2274	0.1853	0.0005
Mercury	Hg	mg/L		<0.0001	<0.0001	0.00058	0.00064	0.00001
Molybdenum	Mo	mg/L		<0.03	<0.03	<0.0005	<0.0005	0.0005
Nickel ³	Ni	mg/L	0.5	0.05	0.04	0.0087	0.0065	0.0005
Phosphorus	P	mg/L		-	-	-	-	
Potassium	K	mg/L		7.7	7.7	1.9	2.0	0.05
Selenium	Se	mg/L		<0.001	<0.001	<0.001	<0.001	0.001
Silicon	SiO2	mg/L		-	-	-	-	
Silver	Ag	mg/L		<0.0003	<0.0003	0.0006	0.0002	0.0002
Sodium	Na	mg/L		58	58	10.5	10.3	0.05
Strontium	Sr	mg/L		-	-	-	-	
Tellurium	Te	mg/L		-	-	-	-	
Thallium	Tl	mg/L		<0.01	0.01	<0.005	<0.005	0.005
Thorium	Th	mg/L		-	-	-	-	
Tin	Sn	mg/L		-	-	-	-	
Titanium	Ti	mg/L		-	-	-	-	
Uranium	U	mg/L		-	-	-	-	
Vanadium	V	mg/L		-	-	-	-	
Zinc	Zn	mg/L	0.5	<0.003	0.005	0.024	0.019	0.001
Zirconium	Zr	mg/L		-	-	-	-	

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC			Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic and Quartzite		Intermediate Volcaniclastic		Method Detection Limit
					Second Portage Lake Arm		Second Portage Lake Arm		
					BH 10-01		MW11-02		
					L51892 L51894 27-Aug-10	L51893 L51895 27-Aug-10 FD	15870 26-Sep-11	15871 26-Sep-11 FD	28-Sep-11
Dissolved Metals									
Aluminum	Al	mg/L	0.3	<0.03	<0.03	<0.01	<0.01	0.01	
Antimony	Sb	mg/L		-	-	-	-		
Arsenic	As	mg/L		0.007	0.007	<0.005	<0.005	0.005	
Barium	Ba	mg/L		0.42	0.44	0.160	0.167	0.005	
Beryllium	Be	mg/L	0.002	-	-	-	-		
Bismuth	Bi	mg/L		-	-	-	-		
Boron	B	mg/L		-	-	-	-		
Cadmium	Cd	mg/L		<0.001	<0.001	<0.005	<0.005	0.005	
Calcium	Ca	mg/L		68	73	42.8	43.4	0.05	
Chromium ²	Cr	mg/L		-	-	-	-		
Cobalt	Co	mg/L		-	-	-	-		
Copper	Cu	mg/L	0.1	<0.003	<0.003	0.008	0.010	0.005	
Iron	Fe	mg/L		0.2	0.2	<0.05	<0.05	0.05	
Lead	Pb	mg/L	0.1	<0.001	<0.001	<0.005	<0.005	0.005	
Lithium	Li	mg/L		-	-	-	-		
Magnesium	Mg	mg/L		30	31	7.7	8.0	0.05	
Manganese	Mn	mg/L		0.18	0.18	0.145	0.148	0.005	
Mercury	Hg	mg/L		<0.0001	<0.0001	0.0011	0.0010	0.0005	
Molybdenum	Mo	mg/L		<0.03	<0.03	<0.005	<0.005	0.005	
Nickel	Ni	mg/L	0.2	0.05	0.05	<0.005	<0.005	0.005	
Phosphorus	P	mg/L		-	-	-	-		
Potassium	K	mg/L		7.8	8	1.3	1.4	0.05	
Selenium	Se	mg/L		<0.001	<0.001	<0.005	<0.005	0.005	
Silicon	SiO2	mg/L		-	-	-	-		
Silver	Ag	mg/L		<0.0003	<0.0003	<0.005	<0.005	0.005	
Sodium	Na	mg/L		59	61	7.6	7.9	0.05	
Strontium	Sr	mg/L		-	-	-	-		
Tellurium	Te	mg/L		-	-	-	-		
Thallium	Tl	mg/L		<0.01	<0.01	<0.01	<0.01	0.01	
Thorium	Th	mg/L		-	-	-	-		
Tin	Sn	mg/L		-	-	-	-		
Titanium	Ti	mg/L		-	-	-	-		
Uranium	U	mg/L		-	-	-	-		
Vanadium	V	mg/L		-	-	-	-		
Zinc	Zn	mg/L	0.4	<0.005	0.012	<0.005	0.013	0.005	
Zirconium	Zr	mg/L				-	-		
Anions									
Fluoride	F	mg/L		0.4	0.5	0.13	0.18	0.02	
Chloride	Cl	mg/L	1000	17	17	20.9	20.7	0.5	
Nutrients									
Nitrate and Nitrite	NO3 + NO2	mg/L	20*	0.57	0.57	1.72	1.73		
Nitrate	NO3	mg/L		-	-	1.70	1.70	0.01	
Nitrite	NO2	mg/L				0.02	0.03	0.01	
Ammonia Nitrogen	N	mg/L	16	3.8	3.8	0.17	0.2	0.05	
Total Kjeldahl Nitrogen	N	mg/L				-	-		
Total Phosphorus	P	mg/L				-	-		
Cyanide (mg/L)									
Weak Acid Dissociable Cyanide (CN-)		mg/L		0.1	-	<0.005	-	0.005	
Total	CN	mg/L	1.0		-	<0.005	-	0.005	
Free	CN	mg/L			-	<0.005	-	0.005	

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic					
				Second Portage Lake					
				MW08-02					
				F59984 8-Sep-08	F59995 8-Sep-08 FD	147144 29-Aug-09	147172 29-Aug-09 FD	147172 29-Aug-09 Lab Dup	L56096 1-Sep-10
FIELD-MEASURED PARAMETERS									
Temperature		°C	6.0 - 9.0	7.3	-	4.6	-	-	9.2
pH		s.u.		7.05	-	7.79	-	-	7.87
Conductivity		uS/cm		808	-	616	-	-	690
Turbidity		NTU							
Salinity		ppm							
LABORATORY PARAMETERS									
pH		s.u.	6.0 - 9.0	8.00	8.10	7.95	7.96	-	7.74
Conductivity		uS/cm		-	-	-	710	-	-
Total Cyanide	Cn	mg/L	0.5						
Free Cyanide	Cn	mg/L							
Total Alkalinity	as CaCO ₃	mg/L		76	76		76	-	80
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L		76	76				
Carbonate Alkalinity CO3 (mg/L)		mg/L		<2	<2				
Total Organic Carbon		mg/L							
Dissolved Organic Carbon		mg/L							
Dissolved Sulphate	SO ₄	mg/L		2.5	2.0	3.0	2.9	3.0	-
Hardness (Total)	as CaCO ₃	mg/L		240	230	240	850	-	220
Reactive silica	Si	mg/L							
Sulphate	SO4	mg SO4/L							
Total Suspended Solids	TSS	mg/L	15	-	-	-	-	-	-
Total Dissolved Solids	TDS	mg/L	1400	500	520	530	510	-	450
Turbidity		NTU	15	2.4	2.4	2.2	2.2	-	4
Total Metals (mg/L)									
Aluminum	Al	mg/L	1.5	-	-	-	-	-	<0.03
Antimony	Sb	mg/L		-	-	-	-	-	<0.006
Arsenic	As	mg/L	0.3	-	-	-	-	-	0.003
Boron	B	mg/L							
Barium	Ba	mg/L		-	-	-	-	-	0.03
Beryllium	Be	mg/L							
Cadmium	Cd	mg/L	0.002	-	-	-	-	-	<0.001
Calcium	Ca	mg/L		-	-	-	-	-	45
Chromium	Cr	mg/L		-	-	-	-	-	0.03
Cobalt	Co	mg/L		-	-	-	-	-	<0.03
Copper	Cu	mg/L	0.1	-	-	-	-	-	<0.003
Iron	Fe	mg/L		-	-	-	-	-	-
Lead	Pb	mg/L	0.1	-	-	-	-	-	<0.001
Lithium	Li	mg/L							
Magnesium	Mg	mg/L		-	-	-	-	-	26
Manganese	Mn	mg/L		-	-	-	-	-	0.042
Mercury	Hg	mg/L	0.0004	-	-	-	-	-	<0.0001
Molybdenum	Mo	mg/L		-	-	-	-	-	0.05
Nickel	Ni	mg/L	0.2	-	-	-	-	-	0.01
Potassium	K	mg/L		-	-	-	-	-	-
Selenium	Se	mg/L		-	-	-	-	-	<0.001
Silver	Ag	mg/L		-	-	-	-	-	<0.0003
Sodium	Na	mg/L		-	-	-	-	-	32
Strontium	Sr	mg/L							
Tin	Sn	mg/L							
Titanium	Ti	mg/L							
Thallium	Tl	mg/L		-	-	-	-	-	-
Uranium	U	mg/L							
Vanadium	V	mg/L							
Zinc	Zn	mg/L	0.4	-	-	-	-	-	0.01

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic					
				Second Portage Lake					
				MW08-02					
				F59984 8-Sep-08	F59995 8-Sep-08 FD	147144 29-Aug-09	147172 29-Aug-09 FD	147172 29-Aug-09 Lab Dup	L56096 1-Sep-10
Dissolved Metals (mg/L)									
Aluminum	Al	mg/L	1.0 (1.5)	0.0046	0.00487	<0.03	<0.03	-	-
Antimony	Sb	mg/L							
Arsenic	As	mg/L	0.3	0.0035	0.0035	0.003	<0.002	-	-
Boron	B	mg/L							
Barium	Ba	mg/L		0.045	0.043	0.04	<0.03	-	-
Beryllium	Be	mg/L							
Cadmium	Cd	mg/L	0.002	<0.0002	<0.0002	<0.001	<0.001	-	-
Calcium	Ca	mg/L		50	48	51	340	-	-
Copper	Cu	mg/L	0.1	0.00056	0.0011	<0.003	<0.003	-	-
Chromium	Cr	mg/L							
Iron	Fe	mg/L		<0.03	<0.03	<0.1	<0.1	-	-
Lead	Pb	mg/L	0.1	<0.0001	0.00027	<0.001	<0.001	-	-
Lithium	Li	mg/L							
Magnesium	Mg	mg/L		27	27	27	<1	-	-
Manganese	Mn	mg/L		0.03	0.031	<0.003	<0.003	-	-
Mercury	Hg	mg/L	0.0004	<0.00001	<0.00001	<0.0001	<0.0001	-	-
Molybdenum	Mo	mg/L		0.026	0.025	0.07	0.04	-	-
Nickel	Ni	mg/L	0.2	0.019	0.019	<0.01	<0.01	-	-
Potassium	K	mg/L		1.8	1.5	2	1.3	-	-
Selenium	Se	mg/L		<0.001	<0.001	<0.001	<0.001	-	-
Silver	Ag	mg/L		<0.0001	<0.0001	<0.0003	<0.0003	-	-
Sodium	Na	mg/L		-	-	36	24	-	-
Strontium	Sr	mg/L							
Tin	Sn	mg/L							
Titanium	Ti	mg/L							
Thallium	Tl	mg/L		<0.002	<0.002	<0.01	<0.01	-	-
Uranium	U	mg/L							
Vanadium	V	mg/L							
Zinc	Zn	mg/L	0.4	0.014	0.014	0.005	<0.003	-	-
Anions (mg/L)									
Fluoride	F	mg/L		0.2	0.2	0.3	0.3	-	0.3
Chloride	Cl	mg/L	1000	160	180	160	160	180	160
Nutrients (mg/L)									
Ammonia		mg N/L							
Ammonia nitrogen	NH ₃ -N	mg N/L	16						
Kjeldahl nitrogen		mg N/L							
Nitrate and Nitrite	NO3 + NO2	mg/L		<0.1	<0.1	<0.04	<0.04	<0.04	-
Nitrate	NO3	mg N/L	20	-	-	<0.02	<0.02	<0.02	-
Nitrite	NO2	mg N/L		<0.1	<0.1	<0.02	<0.02	<0.02	-
Orthophosphate	PO4	mg P/L							
Total Phosphorus	P	mg P/L	1.0						

FD = Field duplicate

- Not analyzed

1 - for context only; italics indicate parameter added in 2015 Water License; where changes were made, former value indicated in brackets; non-italics indicate values that remained the same between 2008 and 2015 Water Licenses

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation		Method Detection Limit	Intermediate Volcanic			
			Pond Effluent Limits ¹			Second Portage Lake			
			Maximum Average Conc.			MW08-02			
				L56473		15816	15817	20763	20764
				1-Sep-10	1-Sep-10	21-Sep-11	21-Sep-11	23-Jul-12	23-Jul/12
				FD			FD		FD
FIELD-MEASURED PARAMETERS									
Temperature		°C		-		8.6	-	20.5	-
pH		s.u.	6.0 - 9.0	-		8.05	-	7.94	-
Conductivity		uS/cm		-		905	-	616	-
Turbidity		NTU							
Salinity		ppm							
LABORATORY PARAMETERS									
pH		s.u.	6.0 - 9.0	7.75	-	7.22	7.39	7.81	7.59
Conductivity		uS/cm		-	0.001	-	-	-	-
Total Cyanide	Cn	mg/L	0.5					<0.005	<0.005
Free Cyanide	Cn	mg/L							
Total Alkalinity	as CaCO ₃	mg/L		80	2	76	76	102	100
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L							
Carbonate Alkalinity CO3 (mg/L)		mg/L							
Total Organic Carbon		mg/L							
Dissolved Organic Carbon		mg/L							
Dissolved Sulphate	SO ₄	mg/L		-	0.2				
Hardness (Total)	as CaCO ₃	mg/L		220	1	317	305	170	178
Reactive silica	Si	mg/L							
Sulphate	SO4	mg SO4/L				4	8	5	3
Total Suspended Solids	TSS	mg/L	15	-	2			2	4
Total Dissolved Solids	TDS	mg/L	1400	490	10				
Turbidity		NTU	15	3.9	0.1	3.2	2.3	8.4	7
Total Metals (mg/L)									
Aluminum	Al	mg/L	1.5	<0.03	0.03	0.03	<0.006	0.006	<0.006
Antimony	Sb	mg/L		<0.006	0.006	-	-	-	-
Arsenic	As	mg/L	0.3	0.003	0.002	0.0023	0.0020	<0.0005	<0.0005
Boron	B	mg/L							
Barium	Ba	mg/L		0.04	0.03	0.043	0.0370	0.0313	0.0311
Beryllium	Be	mg/L							
Cadmium	Cd	mg/L	0.002	<0.001	0.001	<0.00002	<0.00002	<0.00002	<0.00002
Calcium	Ca	mg/L		45	1	63.1	54.2	35.5	37.4
Chromium	Cr	mg/L		<0.03	0.03	-	-	-	-
Cobalt	Co	mg/L		<0.03	0.03	-	-	-	-
Copper	Cu	mg/L	0.1	<0.003	0.003	0.0014	0.0008	<0.0005	<0.0005
Iron	Fe	mg/L		-		1.4	1.4	1.2	1.1
Lead	Pb	mg/L	0.1	<0.001	0.001	<0.0003	<0.0003	<0.0003	<0.0003
Lithium	Li	mg/L							
Magnesium	Mg	mg/L		26	1	38.9	38.0	19.8	20.6
Manganese	Mn	mg/L		0.044	0.003	0.1338	0.1213	0.133	0.1362
Mercury	Hg	mg/L	0.0004	<0.0001	0.001	0.00009	0.0001	0.00012	0.0002
Molybdenum	Mo	mg/L		0.05	0.03	0.0016	<0.0005	0.0522	0.053
Nickel	Ni	mg/L	0.2	<0.01	0.01	0.0046	0.0037	0.0017	0.002
Potassium	K	mg/L		-		2.1	2.0	2.5	2.6
Selenium	Se	mg/L		<0.001	0.001	0.005	0.005	0.004	0.006
Silver	Ag	mg/L		<0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002
Sodium	Na	mg/L		32	0.03	43.3	48.8	26.8	29
Strontium	Sr	mg/L							
Tin	Sn	mg/L							
Titanium	Ti	mg/L							
Thallium	Tl	mg/L		-		0.005	<0.005	<0.005	<0.005
Uranium	U	mg/L							
Vanadium	V	mg/L							
Zinc	Zn	mg/L	0.4	0.01	0.005	0.01	0.375	0.005	0.004

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.		Method Detection Limit	Intermediate Volcanic			
						Second Portage Lake			
						MW08-02			
						15816 21-Sep-11	15817 21-Sep-11 FD	20763 23-Jul-12	20764 23/Jul/12 FD
Dissolved Metals (mg/L)									
Aluminum	Al	mg/L	1.0 (1.5)	-	0.03	<0.01	<0.01	<0.01	<0.01
Antimony	Sb	mg/L							
Arsenic	As	mg/L	0.3	-	0.002/0.001	<0.005	<0.005	<0.005	<0.005
Boron	B	mg/L							
Barium	Ba	mg/L		-	0.030	0.041	0.0410	0.0250	0.0240
Beryllium	Be	mg/L							
Cadmium	Cd	mg/L	0.002	-	0.001/0.0002	<0.005	<0.005	<0.005	<0.005
Calcium	Ca	mg/L		-	1	59.9	61	39.1	36.9
Copper	Cu	mg/L	0.1	-	0.003	<0.005	<0.005	<0.005	<0.005
Chromium	Cr	mg/L							
Iron	Fe	mg/L		-	0.03	<0.05	<0.05	<0.05	<0.05
Lead	Pb	mg/L	0.1	-	0.0001/0.001	<0.005	<0.005	<0.005	<0.005
Lithium	Li	mg/L							
Magnesium	Mg	mg/L		-	1	35.6	35.5	21.6	20.2
Manganese	Mn	mg/L		-	0.003	0.107	0.110	0.134	0.128
Mercury	Hg	mg/L	0.0004	-	0.00001/0.0001	<0.0005	<0.0005	<0.0005	<0.0005
Molybdenum	Mo	mg/L		-	0.0005/0.03	<0.005	<0.005	0.046	0.043
Nickel	Ni	mg/L	0.2	-	0.01/0.001	<0.005	<0.005	<0.005	<0.005
Potassium	K	mg/L		-	0.1	2.3	2.4	2.1	1.9
Selenium	Se	mg/L		-	0.001	0.005	0.005	<0.005	<0.005
Silver	Ag	mg/L		-	0.0001/0.0003	<0.005	<0.005	<0.005	<0.005
Sodium	Na	mg/L		-	0.03	44	44.2	25.0	23.3
Strontium	Sr	mg/L							
Tin	Sn	mg/L							
Titanium	Ti	mg/L							
Thallium	Tl	mg/L		-	0.002	<0.01	<0.01	<0.01	<0.01
Uranium	U	mg/L							
Vanadium	V	mg/L							
Zinc	Zn	mg/L	0.4	-	0.005	<0.005	0.013	<0.005	<0.005
Anions (mg/L)									
Fluoride	F	mg/L		0.3	0.1	0.32	0.33	0.42	0.37
Chloride	Cl	mg/L	1000	160	0.05	169	165	111	109
Nutrients (mg/L)									
Ammonia		mg N/L							
Ammonia nitrogen	NH ₃ -N	mg N/L	16						
Kjeldahl nitrogen		mg N/L							
Nitrate and Nitrite	NO3 + NO2	mg/L		-	0.4	0.01	<0.01	-	-
Nitrate	NO3	mg N/L	20	-	0.4	0.01	<0.01	0.04	0.04
Nitrite	NO2	mg N/L		-	0.02	<0.01	<0.01	<0.01	<0.01
Orthophosphate	PO4	mg P/L							
Total Phosphorus	P	mg P/L	1.0						

FD = Field duplicate

- Not analyzed

1 - for context only; italics indicate parameter added in 2015 Water License; where changes were made, former value indicated in brackets; non-italics indicate values that remained the same between 2008 and 2015 Water Licenses

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Method Detection Limit	Intermediate Volcanic Second Portage Lake MW08-02				
					28-Sep-11 25/26-Jul-12 01-Aug-12	V-29241 28-Aug-13	V-29242 28-Aug-13 FD	V-37639 20-Aug-14	V-50254 3-Dec-15
FIELD-MEASURED PARAMETERS									
Temperature		°C	6.0 - 9.0		2.2				
pH		s.u.			7.98		8.11	8.09	8.21
Conductivity		uS/cm			842	126	1006	94.8	109.4
Turbidity		NTU						38.1	34.6
Salinity		ppm						38.4	41.7
LABORATORY PARAMETERS									
pH		s.u.	6.0 - 9.0	--	7.57	7.64			
Conductivity		uS/cm			-				
Total Cyanide	Cn	mg/L	0.5	0.005	0.009	<0.005	<0.005	<0.005	<0.005
Free Cyanide	Cn	mg/L					<0.005	<0.005	<0.005
Total Alkalinity	as CaCO ₃	mg/L		2	105	105	147	33	49
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L			-	-	-	33	49
Carbonate Alkalinity CO3 (mg/L)		mg/L			-	-	-	<2	<2
Total Organic Carbon		mg/L						52.1	38.4
Dissolved Organic Carbon		mg/L						48.9	34.5
Dissolved Sulphate	SO ₄	mg/L			-		-		
Hardness (Total)	as CaCO ₃	mg/L		1	324	310	299	24	47
Reactive silica	Si	mg/L						0.3	0.4
Sulphate	SO4	mg SO4/L		1	5.8	6	12.9	5.5	11.8
Total Suspended Solids	TSS	mg/L	15	1	57	62	-	7	25
Total Dissolved Solids	TDS	mg/L	1400		399	423	843	39	73
Turbidity		NTU	15	0.02	59.1	41.5	14.5		
Total Metals (mg/L)									
Aluminum	Al	mg/L	1.5	0.006	-	-	-	0.033	0.259
Antimony	Sb	mg/L			-	-	-	0.0022	0.0011
Arsenic	As	mg/L	0.3	0.0005	-	-	0.0025	<0.0005	<0.0005
Boron	B	mg/L						<0.01	<0.01
Barium	Ba	mg/L		0.0005	-	-	-	0.0046	0.0072
Beryllium	Be	mg/L						<0.0005	<0.0005
Cadmium	Cd	mg/L	0.002	0.00002	-	-	-	0.00005	0.00012
Calcium	Ca	mg/L		0.03	-	-	-		
Chromium	Cr	mg/L		-	-	-	-	0.0023	0.0105
Cobalt	Co	mg/L		-	-	-	-		
Copper	Cu	mg/L	0.1	0.0005	-	-	0.0152	0.004	0.0095
Iron	Fe	mg/L		0.01	-	-	-	1.75	4.22
Lead	Pb	mg/L	0.1	0.0003	-	-	0.0019	<0.0003	0.0101
Lithium	Li	mg/L						<0.005	<0.005
Magnesium	Mg	mg/L		0.02	-	-	-	2.15	4.32
Manganese	Mn	mg/L		0.0005	-	-	-	0.2974	0.1834
Mercury	Hg	mg/L	0.0004	0.00001	-	-	-	0.00002	0.00001
Molybdenum	Mo	mg/L		0.0005	-	-	-	0.0027	0.0072
Nickel	Ni	mg/L	0.2	0.0005	-	-	0.0043	0.0015	0.0115
Potassium	K	mg/L		0.05	-	-	-	0.98	1.69
Selenium	Se	mg/L		0.001	-	-	-	<0.001	<0.001
Silver	Ag	mg/L		0.0002	-	-	-		
Sodium	Na	mg/L		0.05	-	-	-		
Strontium	Sr	mg/L						2.01	5.01
Tin	Sn	mg/L						0.042	0.082
Titanium	Ti	mg/L						<0.001	<0.001
Thallium	Tl	mg/L						<0.01	0.03
Uranium	U	mg/L		0.005	-	-	-	<0.005	<0.005
Vanadium	V	mg/L						<0.001	<0.001
Zinc	Zn	mg/L	0.4	0.001	-	-	0.045	<0.0005	<0.0005
								0.502	0.797

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Method Detection Limit	Intermediate Volcanic Second Portage Lake MW08-02				
					28-Sep-11 25/26-Jul-12 01-Aug-12	V-29241 28-Aug-13	V-29242 28-Aug-13 FD	V-37639 20-Aug-14	V-50254 3-Dec-15
Dissolved Metals (mg/L)									
Aluminum	Al	mg/L	1.0 (1.5)	0.01	0.71	-	0.03	<0.006	<0.006
Antimony	Sb	mg/L						0.0016	0.0005
Arsenic	As	mg/L	0.3	0.005	<0.0005	-	0.003	<0.0005	<0.0005
Boron	B	mg/L						<0.01	<0.01
Barium	Ba	mg/L		0.005	0.042	-	0.053	0.0023	0.0063
Beryllium	Be	mg/L						<0.0005	<0.0005
Cadmium	Cd	mg/L	0.002	0.005	0.00004	-	0.00012	0.00005	0.00012
Calcium	Ca	mg/L			0.05	-	-	6.09	11.8
Copper	Cu	mg/L	0.1	0.005	0.033	-	<0.0005	<0.0005	0.007
Chromium	Cr	mg/L						0.0019	0.0105
Iron	Fe	mg/L		0.05	0.02	-	0.020	0.03	0.05
Lead	Pb	mg/L	0.1	0.005	0.0011	-	0.563	<0.0003	<0.0003
Lithium	Li	mg/L						<0.005	<0.005
Magnesium	Mg	mg/L		0.05	-	-	-		
Manganese	Mn	mg/L		0.005	-	-	0.153	0.2629	0.1632
Mercury	Hg	mg/L	0.0004	0.0005	<0.0001	-	<0.0001	<0.00001	<0.00001
Molybdenum	Mo	mg/L			0.005	0.0186	-	0.027	0.0028
Nickel	Ni	mg/L	0.2	0.005	0.005	-	0.005	0.0015	0.0078
Potassium	K	mg/L			0.05	-	-	-	
Selenium	Se	mg/L		0.005	0.006	-	0.011	<0.001	<0.001
Silver	Ag	mg/L		0.005	<0.0001	-	<0.0001		
Sodium	Na	mg/L		0.05	-	-	-		
Strontium	Sr	mg/L						0.039	0.074
Tin	Sn	mg/L						<0.001	<0.001
Titanium	Ti	mg/L						<0.01	<0.01
Thallium	Tl	mg/L		0.01	-	-	<0.005	<0.005	<0.005
Uranium	U	mg/L						<0.001	<0.001
Vanadium	V	mg/L						<0.005	<0.005
Zinc	Zn	mg/L	0.4	0.005	0.018	-	0.033	0.453	0.212
Anions (mg/L)									
Fluoride	F	mg/L		0.02	0.36	0.37	<0.02		
Chloride	Cl	mg/L	1000	0.5	126	127	287	5.7	13.8
Nutrients (mg/L)									
Ammonia		mg N/L						<0.01	<0.01
Ammonia nitrogen	NH ₃ -N	mg N/L	16					0.01	0.17
Kjeldahl nitrogen		mg N/L						0.7	1.33
Nitrate and Nitrite	NO3 + NO2	mg/L			-	-	-		
Nitrate	NO3	mg N/L	20	0.01	0.22	0.26	<0.01	0.03	0.05
Nitrite	NO2	mg N/L			0.01	0.06	0.06	0.03	0.03
Orthophosphate	PO4	mg P/L						0.02	<0.01
Total Phosphorus	P	mg P/L	1.0					<0.01	<0.01

FD = Field duplicate

- Not analyzed

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Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.		Intermediate Volcanic		Method Detection Limit	Intermediate Volcanic	
				Second Portage Lake			Second Portage Lake	
				MW08-03			MW08-03	
		V-50256 4-Dec-15 FD	F66637 14-Sep-08	F68088 14-Sep-08 FD	V-29999 23-Sep-13			
FIELD-MEASURED PARAMETERS								
Temperature		°C	6.0 - 9.0		5.0	-	9.6	
pH		s.u.			7.10	-	6.92	
Conductivity		uS/cm			366	-	644	
Turbidity		NTU						
Salinity		ppm						
LABORATORY PARAMETERS								
pH		s.u.	6.0 - 9.0		8.10	8.20	--	6.59
Conductivity		uS/cm			490	480	0.001	-
Total Cyanide	Cn	mg/L	0.5	<0.005				0.005
Free Cyanide	Cn	mg/L		<0.005				
Total Alkalinity	as CaCO ₃	mg/L		43	60	59	2	44
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L		43	-	-		-
Carbonate Alkalinity CO3 (mg/L)		mg/L		<2	-	-		-
Total Organic Carbon		mg/L		36.4				
Dissolved Organic Carbon		mg/L		37				
Dissolved Sulphate	SO ₄	mg/L			56	51	0.2	-
Hardness (Total)	as CaCO ₃	mg/L		46	180	180		2571
Reactive silica	Si	mg/L		0.4				
Sulphate	SO4	mg SO4/L		11.2				3.4
Total Suspended Solids	TSS	mg/L	15	41	56	54	2	3
Total Dissolved Solids	TDS	mg/L	1400	74	-	-		2408
Turbidity		NTU	15		70	69	0.1	11.4
Total Metals (mg/L)								
Aluminum	Al	mg/L	1.5	0.308	-	-	-	-
Antimony	Sb	mg/L		0.0013	-	-	-	-
Arsenic	As	mg/L	0.3	<0.0005	-	-	-	-
Boron	B	mg/L		<0.01				
Barium	Ba	mg/L		0.0081	-	-	-	-
Beryllium	Be	mg/L		<0.0005				
Cadmium	Cd	mg/L	0.002	0.00019	-	-	-	-
Calcium	Ca	mg/L			-	-	-	-
Chromium	Cr	mg/L		0.0099	-	-	-	-
Cobalt	Co	mg/L			-	-	-	-
Copper	Cu	mg/L	0.1	0.0105	-	-	-	-
Iron	Fe	mg/L		4.09	-	-	-	-
Lead	Pb	mg/L	0.1	0.0056	-	-	-	-
Lithium	Li	mg/L		<0.005				
Magnesium	Mg	mg/L		4.14	-	-	-	-
Manganese	Mn	mg/L		0.1782	-	-	-	-
Mercury	Hg	mg/L	0.0004	0.00003	-	-	-	-
Molybdenum	Mo	mg/L		0.0073	-	-	-	-
Nickel	Ni	mg/L	0.2	0.0121	-	-	-	-
Potassium	K	mg/L		1.55	-	-	-	-
Selenium	Se	mg/L		0.001	-	-	-	-
Silver	Ag	mg/L			-	-	-	-
Sodium	Na	mg/L		4.62	-	-	-	-
Strontium	Sr	mg/L		0.083				
Tin	Sn	mg/L		0.001				
Titanium	Ti	mg/L		0.03				
Thallium	Tl	mg/L		<0.005	-	-	-	-
Uranium	U	mg/L		<0.001				
Vanadium	V	mg/L		<0.0005				
Zinc	Zn	mg/L	0.4	0.914	-	-	-	-

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.		Intermediate Volcanic		Method Detection Limit	Intermediate Volcanic
					Second Portage Lake			Second Portage Lake
					MW08-03			MW08-03
				V-50256 4-Dec-15 FD	F66637 14-Sep-08	F68088 14-Sep-08 FD	14-Sep-08	V-29999 23-Sep-13
Dissolved Metals (mg/L)								
Aluminum	Al	mg/L	1.0 (1.5)	<0.006	0.0046	0.0041	0.001	<0.006
Antimony	Sb	mg/L		0.0005				
Arsenic	As	mg/L	0.3	<0.0005	<0.001	<0.001	0.001	0.034
Boron	B	mg/L		<0.01				
Barium	Ba	mg/L		0.0061	0.033	0.034	0.002	0.0579
Beryllium	Be	mg/L		<0.0005				
Cadmium	Cd	mg/L	0.002	0.00011	<0.0002	<0.0002	0.0002	0.0007
Calcium	Ca	mg/L		11.7	46	46	1	-
Copper	Cu	mg/L	0.1	0.0044	0.003	0.0039	0.001	0.0287
Chromium	Cr	mg/L		0.0026				
Iron	Fe	mg/L		0.04	<0.03	<0.03	0.03	<0.01
Lead	Pb	mg/L	0.1	<0.0003	0.00056	0.00027	0.0001	<0.0003
Lithium	Li	mg/L		<0.005				
Magnesium	Mg	mg/L			17	16	1	-
Manganese	Mn	mg/L		0.1604	0.32	0.32	0.0004	-
Mercury	Hg	mg/L	0.0004	<0.00001	<0.00001	<0.00001	0.00001	<0.0001
Molybdenum	Mo	mg/L		0.0068	0.14	0.14	0.0005	0.0213
Nickel	Ni	mg/L	0.2	0.0075	<0.001	0.0017	0.001	0.0563
Potassium	K	mg/L			4.4	4.5	0.1	-
Selenium	Se	mg/L		<0.001	<0.001	<0.001	0.001	0.137
Silver	Ag	mg/L			<0.0001	<0.0001	0.0001	-
Sodium	Na	mg/L			-	-		-
Strontium	Sr	mg/L		0.074				
Tin	Sn	mg/L		<0.001				
Titanium	Ti	mg/L		<0.01				
Thallium	Tl	mg/L		<0.005	<0.002	<0.002	0.002	<0.005
Uranium	U	mg/L		<0.001				
Vanadium	V	mg/L		<0.005				
Zinc	Zn	mg/L	0.4	0.2	0.004	0.0035	0.001	0.513
Anions (mg/L)								
Fluoride	F	mg/L			0.3	0.3	0.1	0.11
Chloride	Cl	mg/L	1000	13.6	3.3	3.6	0.05	2427
Nutrients (mg/L)								
Ammonia		mg N/L		<0.01	2.0	2.0	0.04	-
Ammonia nitrogen	NH ₃ -N	mg N/L	16	0.14				
Kjeldahl nitrogen		mg N/L		1.81				
Nitrate and Nitrite	NO3 + NO2	mg/L			27	27	0.4	-
Nitrate	NO3	mg N/L	20	0.04	26	26	0.4	0.3
Nitrite	NO2	mg N/L		0.02	1.1	1.2	0.02	0.35
Orthophosphate	PO4	mg P/L		<0.01				
Total Phosphorus	P	mg P/L	1.0	0.02				

FD = Field duplicate

- Not analyzed

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Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic	Intermediate Volcanic				IV/IF/UM Goose Island ST-GW-04	
			Second Portage Lake	Second Portage Lake					
			ST-GW-1s	ST-GW-14-01					
			V-30844 23-Oct-13	V-39530 20-Oct-14	V-39531 20-Oct-14	V-44471 31-May-15	V-47255 26-Aug-15	V-37486 17-Aug-14	
FIELD-MEASURED PARAMETERS									
Temperature		°C		-	-	-	-	-	
pH		s.u.	6.0 - 9.0	-	7.9	-	8.3	8.2	7.84
Conductivity		uS/cm		-	5.03 S/m	-	1493	2140	719
Turbidity		NTU					14.8	21.6	
Salinity		ppm					569	1070	
LABORATORY PARAMETERS									
pH		s.u.	6.0 - 9.0	-	-	-	-	-	-
Conductivity		uS/cm		-	-	-	-	-	-
Total Cyanide	Cn	mg/L	0.5	<0.005	0.191	0.101	0.117	0.093	<0.005
Free Cyanide	Cn	mg/L					0.04	0.007	
Total Alkalinity	as CaCO ₃	mg/L		103	182	182	199	197	87
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L		-	-	-			-
Carbonate Alkalinity CO3 (mg/L)		mg/L		-	-	-			-
Total Organic Carbon		mg/L							
Dissolved Organic Carbon		mg/L							
Dissolved Sulphate	SO ₄	mg/L		-	-	-			-
Hardness (Total)	as CaCO ₃	mg/L		121	2358	2361	774	657	213
Reactive silica	Si	mg/L							
Sulphate	SO4	mg SO4/L		14.6	450	470	507	703	159
Total Suspended Solids	TSS	mg/L	15	-	-	-			-
Total Dissolved Solids	TDS	mg/L	1400	203	3212	3092	1277	1209	418
Turbidity		NTU	15	-	-	-			-
Total Metals (mg/L)									
Aluminum	Al	mg/L	1.5	-	-	-			-
Antimony	Sb	mg/L		-	-	-			-
Arsenic	As	mg/L	0.3	-	0.1521	0.1518	0.088	0.1185	-
Boron	B	mg/L							
Barium	Ba	mg/L		-	-	-			-
Beryllium	Be	mg/L							
Cadmium	Cd	mg/L	0.002	-	-	-			-
Calcium	Ca	mg/L		-	-	-			-
Chromium	Cr	mg/L		-	-	-			-
Cobalt	Co	mg/L		-	-	-			-
Copper	Cu	mg/L	0.1	-	0.0172	0.0179	0.0036	0.0017	-
Iron	Fe	mg/L		-	-	-			-
Lead	Pb	mg/L	0.1	-	<0.0003	0.0029	0.0005	0.0074	-
Lithium	Li	mg/L							
Magnesium	Mg	mg/L		-	-	-			-
Manganese	Mn	mg/L		-	-	-			-
Mercury	Hg	mg/L	0.0004	-	-	-			-
Molybdenum	Mo	mg/L		-	-	-			-
Nickel	Ni	mg/L	0.2	-	0.0415	0.0439	0.0185	0.0136	-
Potassium	K	mg/L		-	-	-			-
Selenium	Se	mg/L		-	-	-			-
Silver	Ag	mg/L		-	-	-			-
Sodium	Na	mg/L		-	-	-			-
Strontium	Sr	mg/L							
Tin	Sn	mg/L							
Titanium	Ti	mg/L							
Thallium	Tl	mg/L		-	-	-			-
Uranium	U	mg/L							
Vanadium	V	mg/L							
Zinc	Zn	mg/L	0.4	-	0.049	0.051	0.001	0.003	-

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.		Intermediate Volcanic	Intermediate Volcanic				IV/IF/UM
				Second Portage Lake	Second Portage Lake				Goose Island
				ST-GW-1s	ST-GW-14-01				ST-GW-04
				V-30844 23-Oct-13	V-39530 20-Oct-14	V-39531 20-Oct-14	V-44471 31-May-15	V-47255 26-Aug-15	V-37486 17-Aug-14
Dissolved Metals (mg/L)									
Aluminum	Al	mg/L	1.0 (1.5)	0.053	<0.0006	<0.0006	<0.006	<0.006	0.014
Antimony	Sb	mg/L							
Arsenic	As	mg/L	0.3	0.0053	0.0695	0.1075	0.0538	0.0868	0.003
Boron	B	mg/L							
Barium	Ba	mg/L		0.0419	0.6186	0.6034	0.0914	0.0875	0.0323
Beryllium	Be	mg/L							
Cadmium	Cd	mg/L	0.002	0.00003	0.00003	0.00009	0.00003	0.00003	<0.00002
Calcium	Ca	mg/L		-	-	-			-
Copper	Cu	mg/L	0.1	<0.0005	0.0161	0.0136	0.0037	0.0017	0.0011
Chromium	Cr	mg/L							
Iron	Fe	mg/L		<0.01	0.05	1.1	0.01	0.01	<0.01
Lead	Pb	mg/L	0.1	0.0051	0.0009	<0.0003	<0.0003	<0.0003	<0.0003
Lithium	Li	mg/L							
Magnesium	Mg	mg/L		-	-	-			-
Manganese	Mn	mg/L		-	-	-	1.867	1.581	0.0602
Mercury	Hg	mg/L	0.0004	<0.0001	<0.0001	0.0003	<0.00001	0.00001	<0.0001
Molybdenum	Mo	mg/L		0.0165	0.0144	0.0152	0.0171	0.0156	0.0191
Nickel	Ni	mg/L	0.2	0.0317	0.0386	0.037	0.0182	0.0151	0.0172
Potassium	K	mg/L		-	-	-			-
Selenium	Se	mg/L		0.0001	0.059	0.055	0.006	0.008	0.002
Silver	Ag	mg/L		-	-	-	<0.0001	<0.0001	<0.0001
Sodium	Na	mg/L		-	-	-			-
Strontium	Sr	mg/L							
Tin	Sn	mg/L							
Titanium	Ti	mg/L							
Thallium	Tl	mg/L		<0.005	<0.005	<0.005	0.005	0.005	<0.005
Uranium	U	mg/L							
Vanadium	V	mg/L							
Zinc	Zn	mg/L	0.4	0.002	0.033	0.054	0.002	0.004	0.001
Anions (mg/L)									
Fluoride	F	mg/L		1.1	0.4	0.41	0.33	0.27	0.087
Chloride	Cl	mg/L	1000	16.9	1877	1677	272	361	40.4
Nutrients (mg/L)									
Ammonia		mg N/L		-	-	-		0.02	-
Ammonia nitrogen	NH ₃ -N	mg N/L	16				0.02		
Kjeldahl nitrogen		mg N/L							
Nitrate and Nitrite	NO ₃ + NO ₂	mg/L		-	-	-			-
Nitrate	NO ₃	mg N/L	20	0.54	-	-	<0.01	<0.01	-
Nitrite	NO ₂	mg N/L		<0.01	-	-	0.01	0.01	-
Orthophosphate	PO ₄	mg P/L							
Total Phosphorus	P	mg P/L	1.0						

FD = Field duplicate

- Not analyzed

1 - for context only; italics indicate parameter added in 2015 Water License; where changes were made, former value indicated in brackets; non-italics indicate values that remained the same between 2008 and 2015 Water Licenses

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Second Portage Lake	
				Pit E3-B2	Pit E3-B6
				V-50466 13-Dec-15	V-50563 17-Dec-15
FIELD-MEASURED PARAMETERS					
Temperature		°C	6.0 - 9.0	7.66	7.71
pH		s.u.		307	300
Conductivity		uS/cm		110.7	924
Turbidity		NTU		125	127
Salinity		ppm			
LABORATORY PARAMETERS					
pH		s.u.	6.0 - 9.0		
Conductivity		uS/cm			
Total Cyanide	Cn	mg/L	0.5	<0.005	<0.005
Free Cyanide	Cn	mg/L		<0.005	<0.005
Total Alkalinity	as CaCO ₃	mg/L		102	105
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L		102	105
Carbonate Alkalinity CO3 (mg/L)		mg/L		<2	<2
Total Organic Carbon		mg/L		51	10.1
Dissolved Organic Carbon		mg/L		3.3	11.3
Dissolved Sulphate	SO ₄	mg/L			
Hardness (Total)	as CaCO ₃	mg/L		115	117
Reactive silica	Si	mg/L		6	10
Sulphate	SO4	mg SO4/L		9.5	13.3
Total Suspended Solids	TSS	mg/L	15	55	855
Total Dissolved Solids	TDS	mg/L	1400	55	185
Turbidity		NTU	15		
Total Metals (mg/L)					
Aluminum	Al	mg/L	1.5	6.64	10.98
Antimony	Sb	mg/L		0.0012	0.0014
Arsenic	As	mg/L	0.3	0.0673	0.0044
Boron	B	mg/L		0.19	0.5
Barium	Ba	mg/L		0.0137	0.0087
Beryllium	Be	mg/L		0.0035	0.0014
Cadmium	Cd	mg/L	0.002	0.00032	0.00035
Calcium	Ca	mg/L		23.7	27.4
Chromium	Cr	mg/L		0.0571	0.0355
Cobalt	Co	mg/L			
Copper	Cu	mg/L	0.1	0.017	0.0101
Iron	Fe	mg/L		42.4	41.7
Lead	Pb	mg/L	0.1	0.0222	0.0137
Lithium	Li	mg/L		0.019	0.02
Magnesium	Mg	mg/L		13.7	11.9
Manganese	Mn	mg/L		0.2411	0.1908
Mercury	Hg	mg/L	0.0004	0.00019	0.00011
Molybdenum	Mo	mg/L		0.0537	0.0654
Nickel	Ni	mg/L	0.2	0.0484	0.0397
Potassium	K	mg/L		3.16	1.42
Selenium	Se	mg/L		0.004	0.002
Silver	Ag	mg/L			
Sodium	Na	mg/L		19.4	20.9
Strontium	Sr	mg/L		0.203	0.204
Tin	Sn	mg/L		<0.001	<0.001
Titanium	Ti	mg/L		0.07	0.04
Thallium	Tl	mg/L		<0.005	<0.005
Uranium	U	mg/L		0.018	0.007
Vanadium	V	mg/L		0.012	0.013
Zinc	Zn	mg/L	0.4	0.016	0.015

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Second Portage Lake	
				Pit E3-B2	Pit E3-B6
				V-50466 13-Dec-15	V-50563 17-Dec-15
Dissolved Metals (mg/L)					
Aluminum	Al	mg/L	1.0 (1.5)	<0.006	0.012
Antimony	Sb	mg/L		0.0015	0.0016
Arsenic	As	mg/L	0.3	0.0089	<0.0005
Boron	B	mg/L		0.21	0.2
Barium	Ba	mg/L		<0.0005	<0.0005
Beryllium	Be	mg/L		<0.0005	<0.0005
Cadmium	Cd	mg/L	0.002	0.00007	0.00011
Calcium	Ca	mg/L			
Copper	Cu	mg/L	0.1	<0.0005	<0.0005
Chromium	Cr	mg/L		<0.0006	0.0036
Iron	Fe	mg/L		<0.01	<0.01
Lead	Pb	mg/L	0.1	<0.0003	<0.0003
Lithium	Li	mg/L		<0.005	<0.005
Magnesium	Mg	mg/L			
Manganese	Mn	mg/L		0.0126	0.014
Mercury	Hg	mg/L	0.0004	0.00021	0.00051
Molybdenum	Mo	mg/L		0.0386	0.0354
Nickel	Ni	mg/L	0.2	0.0122	0.0067
Potassium	K	mg/L			
Selenium	Se	mg/L		0.003	<0.001
Silver	Ag	mg/L			
Sodium	Na	mg/L			
Strontium	Sr	mg/L		0.169	0.157
Tin	Sn	mg/L		<0.001	<0.001
Titanium	Ti	mg/L		0.01	0.01
Thallium	Tl	mg/L		<0.005	<0.005
Uranium	U	mg/L		0.011	0.007
Vanadium	V	mg/L		<0.0005	<0.0005
Zinc	Zn	mg/L	0.4	<0.001	<0.001
Anions (mg/L)					
Fluoride	F	mg/L			
Chloride	Cl	mg/L	1000	19.7	19.1
Nutrients (mg/L)					
Ammonia		mg N/L		<0.01	<0.01
Ammonia nitrogen	NH ₃ -N	mg N/L	16	0.01	0.06
Kjeldahl nitrogen		mg N/L		<0.05	8.55
Nitrate and Nitrite	NO ₃ + NO ₂	mg/L			
Nitrate	NO ₃	mg N/L	20	<0.01	<0.01
Nitrite	NO ₂	mg N/L		<0.01	<0.01
Orthophosphate	PO ₄	mg P/L		<0.01	<0.01
Total Phosphorus	P	mg P/L	1.0	1.05	0.97

FD = Field duplicate

- Not analyzed

1 - for context only; italics indicate parameter added in 2015 Water License; where changes were made, former value indicated in brackets; non-italics indicate values that remained the same between 2008 and 2015 Water Licenses

APPENDIX B

2015 Well Development Logs

ApX B - Table 1. Well development log for GW-14-01 in May/June 2015.

Date	Hour	Bottom (m)	Water level (m)	Purge (L)	Purge tot.	pH	Temperature (°C)	Conductivity	Salinity	TDS	Comments
5/26/15	8:00										Plugged the heat trace
	16:00										Well is thaw and the wattera is out
5/27/15	14:15	94.9	55.28m	60L		8.54	15.4	2.05 m/s	794 ppm	1.45 ppt	Wattera depth 55m
pm	14:30			20L		8.11	14.1	1771 us/cm	693 ppm	1.25 ppt	Wattera depth 60m
	14:45			20L		7.96	13	1712 us/cm	662 ppm	1.20 ppt	Wattera depth 65m
	15:00			10L		7.9	12.5	1671 us/cm	646 ppm	1.18 ppt	Wattera depth 70m
	15:15			10L	120L	7.88	12.3	1591 us/cm	618 ppm	1.13 ppt	Wattera depth 75m
5/28/15	10:15	94.9	4.20m	40L		8.43	16.2	1510	588	1.07	
am	10:30			30L		8.3	14.3	1511	586	1.07	
	10:45			20L		8.56	14	1543	601	1.09	
	11:00			20L		8.27	12.8	1541	599	1.09	
	11:15			20L	250L	8.26	12.2	1536	596	1.08	Wattera broke but was recovered and a new one installed
5/28/15	14:30	94.88	4.69m	25L		8.13	14.9	1604	623	1.12	
pm	14:40			25L		8.28	14.8	1582	618	1.11	
	14:50			25L		8.27	15.1	1580	611	1.11	
	15:00			30L		8.19	16.7	1563	606	1.1	
	15:10			20L		8.24	14.9	1527	599	1.08	
	15:20			20L		8.16	14.9	1565	607	1.1	
	15:30			20L		8.15	14.8	1540	599	1.09	
	15:40			15L		8.2	13.5	1511	586	1.07	
	16:05			40L		7.96	13.3	1486	577	1.06	
	16:30			40L	510L	7.87	14.1	1408	542	992 ppm	
5/29/15	9:45	94.88	4.22	30L		7.52	18	1512	568	1.07 ppt	Wattera depth 40m
am	9:55			30L		7.74	15.4	1492	554	1.04	Wattera depth 60m

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	10:05			20L		7.94	15.9	1478	560	1.05	Wattera depth 70m
	10:15			15L		7.94	15.1	1546	582	1.1	Wattera depth 75m
	10:25			20L		7.93	16	1531	582	1.08	Wattera depth 60m
	10:35			20L		7.94	15.9	1429	537	1.01	Wattera depth 60m
	10:45			15L	660L	7.92	14.8	1546	587	1.1	Wattera depth 60m
5/29/15	15:45	94.89	4.31	30L		8.04	16.8	1446	552	1.03	Wattera depth 40m
pm	15:55			30L		8.12	16.6	1469	560	1.05	Wattera depth 60m
	16:05			15L		8.14	15.7	1471	558	1.04	Wattera depth 70m
	16:15			20L		8.06	15.7	1453	552	1.03	Wattera depth 70m
	16:25			15L		7.99	15.5	1496	565	1.05	Wattera depth 70m
	16:35			15L		8.12	14.8	1434	540	1.02	Wattera depth 70m
	16:45			15L	800L	8.06	15	1449	550	1.04	Wattera depth 70m
5/30/15	10:45	94.88	4.23	20L		8.04	17.2	1373	533	980 ppm	
am	10:55			20L		8.2	18.8	1426	544	1.01 ppt	
	11:05			15L		8.18	18.5	1466	560	1.04	
	11:15			15L		8.22	17.7	1464	554	1.04	
	11:25			30L		7.93	17.3	1475	563	1.05	
	11:35			20L	920L	7.88	17.2	1612	614	1.14	
5/30/15				20L		7.96	14.8	1462	554	1.03	
pm				15L		8.1	15.8	1534	585	1.09	
				20L		8.02	15.1	1463	551	1.03	
				20L		8.1	15.3	1441	546	1.03	
				20L		8.06	15.6	1454	532	1.02	
				15L	1030L	8.14	15.2	1461	546	1.03	
5/31/15	10:50	94.88	4.2	30L		8.15	17.4	1420	535	1	
am	11:00			15L		8.27	18.4	1444	546	1.02	
	11:10			15L		8.24	18.1	1476	560	1.05	
	11:20			15L		8.2	17.6	1442	542	1.01	
	11:30			15L		8.08	17.8	1551	587	1.09	

	11:40			15L	1135L	7.99	16.6	1571	595	1.11	
5/31/15	16:00		4.21			8.2	17.5	1493	569	1.05	Sampled at 60 meters using the same technique as purging
pm											

Apx B - Table 2. Well development log for GW-14-01 August 2015.

Date	Hour	Bottom (m)	Water level (m)	Purge (L)	Purge tot.	pH	Temperature (°C)	Conductivity	Salinity	TDS	Comments
8/23/15	11:30		4.25 (ice)								Plugged the heat trace
	16:00										Well is thawed
8/23/15	16:00	94.93	6.96	25		8.3	11.1	1452 us	691 ppm	1.02 ppt	Wattera depth 35m
pm	16:10			25		8.27	11.2	1996 us	953 ppm	1.4	Wattera depth 50m
	16:20			30		8.14	11.1	2.05 ms	994 ppm	1.45	Wattera depth 60m
	16:30			15		8.07	10	2.36 ms	1.14 ppt	1.66	Wattera depth 70m
	16:40			15		8.1	10.6	2.56 ms	1.26 ppt	1.81	Wattera depth 75m
	16:50			15	125	7.94	11.1	2.54 ms	1.25 ppt	1.8	Wattera depth 80m
8/24/15	10:40		7.06	20		7.73	12.2	2.34	1.16	1.66	Wattera depth 30m
am	10:50			20		7.93	11.9	2.34	1.14	1.65	Wattera depth 50m
	11:00			15		8.29	11.1	2.62	1.29	1.86	Wattera depth 65m
	11:10			15		8.26	11.4	2.66	1.27	1.84	Wattera depth 75m
	11:20			15		8.14	9.9	2.39	1.17	1.7	Wattera depth 80m
	11:30			20		7.94	10	2.41	1.18	1.72	Wattera depth 80m
	11:40			20	250	8.05	11.3	2.54	1.25	1.8	Wattera depth 80m
8/24/15	16:00		7.09	40		7.87	12.3	2.2	1.1	1.56	Wattera depth 40m
pm	16:15			30		8.36	12.4	2.12	1.06	1.51	Wattera depth 60m
	16:30			20		8.18	11.6	2.45	1.22	1.73	Wattera depth 70m
	16:45			30		8.14	12	2.28	1.13	1.61	Wattera depth 80m
	17:00			30		8.11	11.3	2.37	1.17	1.68	Wattera depth 80m

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	17:15			20		8.21	11.7	2.42	1.22	1.73	Wattera depth 80m
	17:30			25	445	8.09	11.5	2.44	1.21	1.72	Wattera depth 80m
8/25/15	9:15		7.1	30		8.4	8.1	2.12	1.05	1.5	Wattera depth 40m
am	9:30			30		8.56	8.6	2.12	1.05	1.5	Wattera depth 60m
	9:45			20		8.51	8.1	2.23	1.11	1.57	Wattera depth 75m
	10:00			20		8.43	9.2	2.22	1.11	1.57	Wattera depth 80m
	10:15			20		8.39	9.3	2.29	1.14	1.62	Wattera depth 80m
	10:30			20		8.44	9.9	2.25	1.13	1.6	Wattera depth 80m
	10:45			20	605	8.42	10.2	2.24	1.13	1.58	Wattera depth 80m
8/25/15	14:00		7.09	30		8.09	12.1	1910	959	1.35	Wattera depth 45m
PM	14:15			20		8.32	12.1	2.12	1.08	1.5	Wattera depth 65m
	14:30			20		8.14	11.3	2.26	1.15	1.59	Wattera depth 75m
	14:45			30		8.16	11.4	2.04	1.04	1.46	Wattera depth 80m
	15:00			20		8.22	11.3	2.16	1.09	1.52	Wattera depth 80m
	15:15			20		8.18	11.3	2.15	1.09	1.52	Wattera depth 80m
	15:30			20		8.14	10.4	2.13	1.09	1.53	Wattera depth 80m
	15:45			20	785	8.19	9.8	2.1	1.05	1.47	Wattera depth 80m
Sampled the 26th at 16h00			7.1			8.2	10.3	2140	1070	1.5	Wattera depth 60m

Appendix C

Laboratory Reports

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50563

Sampling location: Pit E3

Sampling date: December 17, 2015

Sample name: GW-Pit E3 B6

Sampling hour: 18:30

Sampled by: Martin Theriault

Date received: December 18, 2015

Matrix: Water

Drinking water distribution:

Corrected certificate, replacing the certificate V-50563 done on January 08 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Result	Method name	Analysis date
Alkalinity	105 mg CaCO ₃ /L	M-TIT-1.0	December 18, 2015
Aluminium (Al)	10.98 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Aluminium (Al)	0.012 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Antimony (Sb)	0.0014 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Antimony (Sb)	0.0016 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Silver (Ag)	0.0003 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Arsenic (As)	0.0044 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.06 mg N/L	Sous-traitance\Multilab Direct	December 21, 2015
Kjeldahl nitrogen	8.55 mg N/L	Sous-traitance\Multilab Direct	December 23, 2015
Barium (Ba)	0.0087 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Barium (Ba)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Beryllium (Be)	0.0014 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
bicarbonate (HCO ₃)	105 mg CaCO ₃ /L	M-TIT-1.0	December 18, 2015
Boron (B)	0.50 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Boron (B)	0.20 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Cadmium (Cd)	0.00035 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Cadmium (Cd)	0.00011 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Calcium (Ca)	27.4 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 18, 2015
Dissolved Organic Carbon (D.O.C.)	11.3 mg/L	M-COT-1.0	December 18, 2015
Total Organic Carbon (T.O.C.)	10.1 mg/L	M-COT-1.0	December 18, 2015
Chloride	19.1 mg/L	Sous-traitance\Multilab Direct	December 21, 2015
Chrome (Cr)	0.0355 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Chromium (Cr)	0.0036 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Copper (Cu)	0.0101 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 18, 2015
Hardness	117 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 29, 2015
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Iron (Fe)	41.7 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Fluoride (F)	1.2 mg/L	Sous-traitance\Multilab Direct	December 21, 2015
Lithium (Li)	0.02 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Total Suspended Solids	855 mg/L	M-SOLI-1.0	December 21, 2015

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Analytical Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	11.9 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Manganese (Mn)	0.1908 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Manganese (Mn)	0.014 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Mercury (Hg)	0.00011 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Mercury (Hg)	0.00051 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Molybdenum (Mo)	0.0654 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Molybdenum (Mo)	0.0354 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 21, 2015
Nickel (Ni)	0.0397 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Nickel (Ni)	0.0067 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Nitrate (NO3)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Nitrite (NO2)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 21, 2015
Total Phosphorus (P)	0.97 mg P/L	Sous-traitance\Multilab Direct	January 05, 2016
Lead (Pb)	0.0137 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Potassium (K)	1.42 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Salinity	0.13	Sous-traitance\Maxxam Analytics Inc	January 04, 2016
Selenium (Se)	0.002 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Reactive silica (SiO2)	10 mg/L	Sous-traitance\Maxxam Analytics Inc	December 24, 2015
Sodium (Na)	20.9 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Solids	185 mg/L	M-TIT-1.0	December 18, 2015
Strontium (Sr)	0.204 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
dissolved Strontium (Sr)	0.157 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Sulfate (SO4)	13.3 mg SO4/L	Sous-traitance\Multilab Direct	December 28, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Titanium (Ti)	0.04 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Uranium (U)	0.023 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Uranium (U)	0.007 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Vanadium (V)	0.0130 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Zinc (Zn)	0.015 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015

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Detection limit

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Salinity			Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 151 Accuracy 95.9% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 1.17 Accuracy 83% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0109 Accuracy 91% Limit 0.0080 - 0.0120
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.8008 Accuracy 89.4% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0797 Accuracy 79.7% Limit 0.0700 - 0.1300
Ammonia nitrogen (NH ₃ -NH ₄) m	Blank <0.01 Standard name DMR-0791-2015-NH ₃ Result 10.1 Accuracy 100% Limit 8.6 - 11.6
Kjeldahl nitrogen mg N/L	Blank <0.05 Standard name DMR-0483-2015-NTK Result 9.13 Accuracy 93.7% Limit 8.28 - 11.20
Barium (Ba) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1055 Accuracy 94.5% Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1166
	Accuracy 83.4%
	Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10486
	Accuracy 95.1%
	Limit 0.0800 - 0.1200
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.07
	Accuracy 93%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank 0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank 0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 103
	Accuracy 95.4%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.1041
	Accuracy 95.9%
	Limit 0.0800 - 0.1200
Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1123
	Accuracy 87.7%
	Limit 0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name Cep-33-Ech-2
	Result 1.60
	Accuracy 90.9%
	Limit 1.4960 - 2.0240
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0792-2015-6
	Result 0.0750
	Accuracy 92%
	Limit 0.0693 - 0.0937
Hardness mg CaCO ₃ /L	Blank <1
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0800 - 0.1200
Iron (Fe) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 15.8
	Accuracy 89.5%
	Limit 11.4 - 17.2
Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.923
	Accuracy 90.9%
	Limit 0.677 - 1.015
	Sample duplicate 0.020-0.020
Dissolved Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.809
	Accuracy 95.6%
	Limit 0.677 - 1.015
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L
	Result 21
	Accuracy 84%

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
Magnesium (Mg) mg/L	Limit 19 - 31
	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 0.85
	Accuracy 85%
Manganese (Mn) mg/L	Limit 0.800 - 1.200
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1085
	Accuracy 91.5%
Mercury (Hg) mg/L	Limit 0.0800 - 0.1200
	Blank <0.00001
	Standard name DMR-0791-2015-Eu
	Result 0.00060
	Accuracy 95.2%
Dissolved Mercury (Hg) mg/L	Limit 0.00038 - 0.00088
	Blank <0.00001
	Standard name DMR-0791-2015-Eu
	Result 0.00045
	Accuracy 71.4%
Molybdenum (Mo) mg/L	Limit 0.00038 - 0.00088
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1029
	Accuracy 97.1%
Ammonia NH3 (non-ionized) mg	Limit 0.0800 - 0.1200
	Blank <0.01
Nickel (Ni) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1087
	Accuracy 91.3%
Nitrite (NO2) mg N/L	Limit 0.0800 - 0.1200
	Blank <0.01
	Standard name DMR-0791-2015-NO2
	Result 1.93
	Accuracy 95.5%
Lead (Pb) mg/L	Limit 1.72 - 2.32
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.1037

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
Potassium (K) mg/L	Accuracy 96.3%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.97
Selenium (Se) mg/L	Accuracy 97%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.092
Sodium (Na) mg/L	Accuracy 92%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 1.05
Strontium (Sr) mg/L	Accuracy 95%
	Limit 0.800 - 1.200
	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.27
dissolved Strontium (Sr) mg/L	Accuracy 99.2%
	Limit 1.02 - 1.54
	Sample duplicate 0.204-0.204
	Blank <0.005
	Standard name DMR-0640-2015-26
Sulfate (SO4) mg SO4/L	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54
	Blank <0.6
	Standard name DMR-0839-2015-SO4
Thallium (Tl) mg/L	Result 137
	Accuracy 91.3%
	Limit 113 - 139
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Dissolved thallium (Tl) mg/L	Result 907
	Accuracy 90.7%
	Limit 800 - 1200
	Sample duplicate <0.005-<0.005
	Blank <0.005

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter

Standard name TI-S140909023-1000ppm

Result 875

Accuracy 87.5%

Limit 800 - 1200

Titanium (Ti) mg/L

Blank <0.01

Uranium (U) mg/L

Blank <0.001

Standard name C00-046-705_X_1000

Result 0.107

Accuracy 93%

Limit 0.0800 - 0.1200

Vanadium (V) mg/L

Blank <0.0005

Standard name C00-046-705_X_1000

Result 0.1058

Accuracy 94.2%

Limit 0.0800 - 0.1200

Zinc (Zn) mg/L

Blank <0.001

Standard name C00-046-705_X_1000

Result 0.107

Accuracy 93%

Limit 0.0800 - 0.1200

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Additional information

Lab number: V-50563
Sample name: GW-Pit E3 B6
Sampling location: Pit E3

Sampling date: December 17, 2015
Sampling hour: 18:30

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50466

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sample name: GW

Sampling hour: 15:00

Sampled by: Martin Theriault

Date received: December 15, 2015

Matrix: Water

Drinking water distribution:

Reported on: January 05, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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Analytical Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Result	Method name	Analysis date
Alkalinity	102 mg CaCO ₃ /L	M-TIT-1.0	December 15, 2015
Aluminium (Al)	6.64 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Antimony (Sb)	0.0012 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Antimony (Sb)	0.0015 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Silver (Ag)	0.0003 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Arsenic (As)	0.0673 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Arsenic (As)	0.0089 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Kjeldahl nitrogen	<0.05 mg N/L	Sous-traitance\Multilab Direct	December 30, 2015
Barium (Ba)	0.0137 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Barium (Ba)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Beryllium (Be)	0.0035 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
bicarbonate (HCO ₃)	102 mg CaCO ₃ /L	M-TIT-1.0	December 15, 2015
Boron (B)	0.19 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Boron (B)	0.21 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Cadmium (Cd)	0.00032 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Cadmium (Cd)	0.00007 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Calcium (Ca)	23.7 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 15, 2015
Dissolved Organic Carbon (D.O.C.)	3.3 mg/L	M-COT-1.0	December 15, 2015
Total Organic Carbon (T.O.C.)	51.0 mg/L	M-COT-1.0	December 15, 2015
Chloride	19.7 mg/L	Sous-traitance\Multilab Direct	December 17, 2015
Chrome (Cr)	0.0571 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Chromium (Cr)	<0.0006 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Copper (Cu)	0.0170 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 22, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 16, 2015
Hardness	115 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 18, 2015
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Iron (Fe)	42.4 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Fluoride (F)	1.32 mg/L	Sous-traitance\Multilab Direct	December 16, 2015
Lithium (Li)	0.019 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Total Suspended Solids	55 mg/L	M-SOLI-1.0	December 16, 2015

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Analytical Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	13.7 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Manganese (Mn)	0.2411 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Manganese (Mn)	0.0126 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Mercury (Hg)	0.00019 mg/L	Sous-traitance\Multilab Direct	December 16, 2015
Dissolved Mercury (Hg)	0.00021 mg/L	Sous-traitance\Multilab Direct	December 16, 2015
Molybdenum (Mo)	0.0537 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Molybdenum (Mo)	0.0386 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Nickel (Ni)	0.0484 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Nickel (Ni)	0.0122 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Nitrate (NO3)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 17, 2015
Nitrite (NO2)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 16, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 16, 2015
Total Phosphorus (P)	1.05 mg P/L	Sous-traitance\Multilab Direct	December 16, 2015
Lead (Pb)	0.0222 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Potassium (K)	3.16 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Selenium (Se)	0.004 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Selenium (Se)	0.003 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Reactive silica (SiO2)	6.0 mg/L	Sous-traitance\Maxxam Analytics Inc	December 21, 2015
Sodium (Na)	19.4 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Solids	55 mg/L	M-TIT-1.0	December 15, 2015
Strontium (Sr)	0.203 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
dissolved Strontium (Sr)	0.169 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Sulfate (SO4)	9.5 mg SO4/L	Sous-traitance\Multilab Direct	December 21, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Titanium (Ti)	0.07 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Uranium (U)	0.018 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Uranium (U)	0.011 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Vanadium (V)	0.0120 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Zinc (Zn)	0.016 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Salinity	0.12	Sous-traitance\Maxxam Analytics Inc	December 21, 2015

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Detection limit

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 154 Accuracy 93.8% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 0.800 Accuracy 80% Limit 0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name DMR-0640-2015-26 Result 5.31 Accuracy 83.4% Limit 5.10 - 7.64
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0120 Accuracy 80% Limit 0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank <0.0001 Standard name DMR-0640-2015-26 Result 0.1807 Accuracy 81.4% Limit 0.178 - 0.266
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7201 Accuracy 99.5% Limit 0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7649 Accuracy 94.4% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1300 Accuracy 70% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
	Standard name DMR-0640-2015-26
	Result 0.3095
	Accuracy 90.6%
	Limit 0.226 - 0.340
Ammonia nitrogen (NH ₃ -NH ₄) m	Blank <0.01
	Standard name DMR-0791-2015-NH3
	Result 9.99
	Accuracy 98.9%
	Limit 8.6 - 11.6
Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0989
	Accuracy 98.9%
	Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 2.174
	Accuracy 89.5%
	Limit 1.94 - 2.92
Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1153
	Accuracy 84.7%
	Limit 0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.750
	Accuracy 97.1%
	Limit 1.36 - 2.04
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.80
	Accuracy 80%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 2.96
	Accuracy 99.7%
	Limit 2.36 - 3.54
Cadmium (Cd) mg/L	Blank <0.00002

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.10711
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002
	Standard name DMR-0640-2015-26
	Result 0.86904
	Accuracy 96.6%
	Limit 0.720 - 1.080
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 0.86
	Accuracy 86%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank <0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank <0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 104
	Accuracy 96.3%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.0851
	Accuracy 85.1%
	Limit 0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank <0.0006
	Standard name DMR-0640-2015-26
	Result 3.675
	Accuracy 90.7%
	Limit 3.24 - 4.86
Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0948
	Accuracy 94.8%
	Limit 0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.280
	Accuracy 97.7%
	Limit 1.05 - 1.57
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0792-2015-6
	Result 0.0760
	Accuracy 93.3%
	Limit 0.0693 - 0.0937
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.099
	Accuracy 99%
	Limit 0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank <0.001
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.02
	Accuracy 98%
	Limit 0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 17.2
	Accuracy 79.7%
	Limit 11.4 - 17.2
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0791-2015-F
	Result 2.51
	Accuracy 94.1%
	Limit 2.19 - 2.55
	Sample duplicate 1.32-1.28
Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.951
	Accuracy 87.6%

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Dissolved Lithium (Li) mg/L	Limit 0.677 - 1.015
	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.837
	Accuracy 98.9%
Total Suspended Solids mg/L	Limit 0.677 - 1.015
	Blank <1
	Standard name STD-MES 25mg/L
	Result 26
	Accuracy 96%
Magnesium (Mg) mg/L	Limit 19 - 31
	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 0.83
	Accuracy 83%
Manganese (Mn) mg/L	Limit 0.800 - 1.200
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0803
	Accuracy 80.3%
Dissolved Manganese (Mn) mg/L	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 3.596
	Accuracy 92.4%
Molybdenum (Mo) mg/L	Limit 3.11 - 4.67
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0901
	Accuracy 90.1%
Dissolved Molybdenum (Mo) mg/L	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 0.5844
	Accuracy 82.5%
Ammonia NH3 (non-ionized) mg/L	Limit 0.566 - 0.850
	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.0836

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Dissolved Nickel (Ni) mg/L	Accuracy 83.6%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.043
Ortho-Phosphate (O-PO4) mg P/	Accuracy 92.3%
	Limit 0.90 - 1.36
	Blank <0.01
	Standard name DMR-0791-2015-OPO4
	Result 0.70
Total Phosphorus (P) mg P/L	Accuracy 92.3%
	Limit 0.57 - 0.73
	Blank <0.01
	Standard name DMR-0791-2015-Ptotal
	Result 0.98
Lead (Pb) mg/L	Accuracy 98%
	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0883
Dissolved Lead (Pb) mg/L	Accuracy 88.3%
	Limit 0.0800 - 0.1200
	Blank <0.0003
	Standard name DMR-0640-2015-26
	Result 0.8449
Potassium (K) mg/L	Accuracy 92.9%
	Limit 0.727 - 1.091
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 1.16
Selenium (Se) mg/L	Accuracy 84%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.120
Dissolved Selenium (Se) mg/L	Accuracy 80%
	Limit 0.0800 - 0.1200
	Blank <0.001
	Standard name DMR-0640-2015-26
	Result 1.35

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Sodium (Na) mg/L	Accuracy 100%
	Limit 1.08 - 1.62
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.80
Strontium (Sr) mg/L	Accuracy 80%
	Limit 0.800 - 1.200
	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.35
dissolved Strontium (Sr) mg/L	Accuracy 94.5%
	Limit 1.02 - 1.54
	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.29
Thallium (Tl) mg/L	Accuracy 99.2%
	Limit 1.02 - 1.54
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 892
Dissolved thallium (Tl) mg/L	Accuracy 89.2%
	Limit 800 - 1200
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 900
Titanium (Ti) mg/L	Accuracy 90%
	Limit 800 - 1200
	Blank <0.01
	Blank <0.01
	Blank <0.001
Dissolved titanium (Ti) mg/L	Standard name C00-046-705_X_1000
	Result 0.094
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Blank <0.001
Uranium (U) mg/L	Standard name DMR-0640-2015-26
	Result 1.63
	Accuracy 92.6%
	Limit 1.41 - 2.11
	Blank <0.0005

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter

Standard name C00-046-705_X_1000

Result 0.0800

Accuracy 80%

Limit 0.0800 - 0.1200

Dissolved Vanadium mg/L

Blank <0.0005

Standard name DMR-0640-2015-26

Result 1.747

Accuracy 87.8%

Limit 1.59 - 2.39

Zinc (Zn) mg/L

Blank <0.001

Standard name C00-046-705_X_1000

Result 0.108

Accuracy 92%

Limit 0.0800 - 0.1200

Dissolved Zinc mg/L

Blank <0.001

Standard name DMR-0640-2015-26

Result 4.64

Accuracy 97.1%

Limit 3.82 - 5.74

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Additional information

Lab number: V-50466
Sample name: GW
Sampling location: GW-Pit E3

Sampling date: December 13, 2015
Sampling hour: 15:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50255

Sampling location: east dike

Sampling date: December 04, 2015

Sample name: GW-MW-08-02

Sampling hour: 10:00

Sampled by: Martin Theriault

Date received: December 04, 2015

Matrix: Water

Drinking water distribution:

Reported on: December 16, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Alkalinity	49 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Aluminium (Al)	0.259 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Antimony (Sb)	0.0011 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Antimony (Sb)	0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.17 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Kjeldahl nitrogen	1.33 mg N/L	Sous-traitance\Multilab Direct	December 10, 2015
Barium (Ba)	0.0072 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Barium (Ba)	0.0063 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
bicarbonate (HCO ₃)	49 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cadmium (Cd)	0.00012 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Cadmium (Cd)	0.00012 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Calcium (Ca)	11.8 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Dissolved Organic Carbon (D.O.C.)	34.5 mg/L	M-COT-1.0	December 04, 2015
Total Organic Carbon (T.O.C.)	38.4 mg/L	M-COT-1.0	December 04, 2015
Chloride	13.8 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Chrome (Cr)	0.0105 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Chromium (Cr)	0.0026 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Copper (Cu)	0.0095 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Copper (Cu)	0.007 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 15, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 07, 2015
Hardness	47 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 09, 2015
Tin (Sn)	0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Iron (Fe)	4.22 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Iron (Fe)	0.05 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Fluoride (F)	0.13 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Total Suspended Solids	25 mg/L	M-SOLI-1.0	December 08, 2015

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Analytical Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	4.32 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Manganese (Mn)	0.1834 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Manganese (Mn)	0.1632 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Mercury (Hg)	0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Molybdenum (Mo)	0.0072 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Molybdenum (Mo)	0.0068 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Nickel (Ni)	0.0115 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Nickel (Ni)	0.0078 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Nitrate (NO3)	0.05 mg N/L	Sous-traitance\Multilab Direct	December 08, 2015
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	December 05, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 05, 2015
Total Phosphorus (P)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 11, 2015
Lead (Pb)	0.0101 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Potassium (K)	1.69 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sodium (Na)	5.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Solids	73 mg/L	M-TIT-1.0	December 04, 2015
Strontium (Sr)	0.082 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
dissolved Strontium (Sr)	0.074 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sulfate (SO4)	11.8 mg SO4/L	Sous-traitance\Multilab Direct	December 08, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Titanium (Ti)	0.03 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Zinc (Zn)	0.797 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Zinc	0.212 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Reactive silica (SiO2)	0.4 mg/L	ous-traitance\Maxxam Analytics Inc	December 14, 2015
Salinity	0.06	Sous-traitance\Maxxam Analytics Inc	December 10, 2015

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Detection limit

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 145 Accuracy 100% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006
	Standard name C00-046-705_X_1000 Result 1.08 Accuracy 92% Limit 0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name DMR-0640-2015-26 Result 5.98 Accuracy 93.9% Limit 5.10 - 7.64
Antimony (Sb) mg/L	Blank <0.0001
	Standard name C00-046-705_X_1000 Result 0.0101 Accuracy 99% Limit 0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank <0.0001
	Standard name DMR-0640-2015-26 Result 0.1916 Accuracy 86.3% Limit 0.178 - 0.266
Silver (Ag) mg/L	Blank <0.0001
	Standard name DMR-0483-2015-Ag Result 0.7314 Accuracy 99% Limit 0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank <0.0001
	Standard name DMR-0483-2015-Ag Result 0.7086 Accuracy 97.9% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000 Result 0.0988 Accuracy 98.8% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0946
	Accuracy 94.6%
	Limit 0.0800 - 0.1200
Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0990
	Accuracy 99%
	Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1042
	Accuracy 95.8%
	Limit 0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1043
	Accuracy 95.7%
	Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.94
	Accuracy 94%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 2.86
	Accuracy 96.9%
	Limit 2.36 - 3.54
Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10065
	Accuracy 99.4%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.10476
	Accuracy 95.2%
	Limit 0.0800 - 0.1200
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.02
	Accuracy 98%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank 0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank 0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 103
	Accuracy 95.4%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.1001
	Accuracy 99.9%
	Limit 0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank <0.0006
	Standard name DMR-0640-2015-26
	Result 3.858
	Accuracy 95.3%
	Limit 3.24 - 4.86
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1094
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name DMR-0791-CN
	Result 0.049
	Accuracy 94.8%
	Limit 0.0439 - 0.0595
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0717-2015-6
	Result 0.0720
	Accuracy 88.3%
	Limit 0.0693 - 0.0937
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0700 - 0.1300
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.15
	Accuracy 85%
	Limit 0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.04
	Accuracy 96%
	Limit 0.800 - 1.200
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0791-2015-F
	Result 2.23
	Accuracy 94.1%
	Limit 2.19 - 2.55
Lithium (Li) mg/L	Blank <0.005

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name DMR-0640-2015-26
	Result 0.729
	Accuracy 86.2%
	Limit 0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.733
	Accuracy 86.6%
	Limit 0.677 - 1.015
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L
	Result 26
	Accuracy 96%
	Limit 19 - 31
Magnesium (Mg) mg/L	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1071
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 3.633
	Accuracy 93.4%
	Limit 3.11 - 4.67
Mercury (Hg) mg/L	Standard name DMR-0716-2015-Eu
	Result 0.00056
	Accuracy 88.9%
	Limit 0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1028
	Accuracy 97.2%
	Limit 0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Nickel (Ni) mg/L	Result 0.0943
	Accuracy 94.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Nickel (Ni) mg/L	Result 0.1087
	Accuracy 91.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Ortho-Phosphate (O-PO ₄) mg P/	Result 0.0965
	Accuracy 96.5%
	Limit 0.0800 - 0.1200
	Blank <0.01
	Standard name DMR-0791-2015-OPO ₄
Total Phosphorus (P) mg P/L	Result 0.63
	Accuracy 96.9%
	Limit 0.57 - 0.73
	Blank <0.01
	Standard name DMR-0791-2015-Ptotal
Lead (Pb) mg/L	Result 1.03
	Accuracy 97%
	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
Dissolved Lead (Pb) mg/L	Result 0.0935
	Accuracy 93.5%
	Limit 0.0800 - 0.1200
	Blank <0.0003
	Standard name C00-046-705_X_1000
Potassium (K) mg/L	Result 0.0896
	Accuracy 89.6%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Selenium (Se) mg/L	Result 0.95
	Accuracy 95%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Dissolved Selenium (Se) mg/L	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Blank <0.001
	Standard name C00-046-705_X_1000
Sodium (Na) mg/L	Result 0.103
	Accuracy 97%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Strontium (Sr) mg/L	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
	Blank <0.005
	Standard name DMR-0640-2015-26
dissolved Strontium (Sr) mg/L	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54
	Blank <0.005
	Standard name DMR-0640-2015-26
Sulfate (SO4) mg SO4/L	Result 1.22
	Accuracy 95.3%
	Limit 1.02 - 1.54
	Blank <0.6
	Standard name DMR-0791-2015-SO4
Thallium (Tl) mg/L	Result 139
	Accuracy 89.7%
	Limit 113 - 139
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Dissolved thallium (Tl) mg/L	Result 925
	Accuracy 92.5%
	Limit 800 - 1200
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Titanium (Ti) mg/L	Result 915
	Accuracy 91.5%
	Limit 800 - 1200
	Blank <0.01
	Blank <0.01

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.100 Accuracy 100% Limit 0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.101 Accuracy 99% Limit 0.0800 - 0.1200
Vanadium (V) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1022 Accuracy 97.8% Limit 0.0800 - 0.1200
Dissolved Vanadium mg/L	Blank <0.0005 Standard name DMR-0640-2015-26 Result 1.869 Accuracy 93.9% Limit 1.59 - 2.39
Zinc (Zn) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.106 Accuracy 94% Limit 0.0800 - 0.1200
Dissolved Zinc mg/L	Blank <0.001 Standard name DMR-0640-2015-26 Result 5.11 Accuracy 93.1% Limit 3.82 - 5.74

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Additional information

Lab number: V-50255
Sample name: GW-MW-08-02
Sampling location: east dike

Sampling date: December 04, 2015
Sampling hour: 10:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50256

Sampling location: east dike

Sampling date: December 04, 2015

Sample name: DUP-GW-MW-08-02

Sampling hour: 10:00

Sampled by: Martin Theriault

Date received: December 04, 2015

Matrix: Water

Drinking water distribution:

Reported on: December 16, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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Analytical Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Alkalinity	43 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Aluminium (Al)	0.308 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Antimony (Sb)	0.0013 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Antimony (Sb)	0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.14 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Kjeldahl nitrogen	1.81 mg N/L	Sous-traitance\Multilab Direct	December 10, 2015
Barium (Ba)	0.0081 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Barium (Ba)	0.0061 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
bicarbonate (HCO ₃)	43 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Boron (B)	0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cadmium (Cd)	0.00019 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Cadmium (Cd)	0.00011 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Calcium (Ca)	11.7 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Dissolved Organic Carbon (D.O.C.)	37.0 mg/L	M-COT-1.0	December 04, 2015
Total Organic Carbon (T.O.C.)	36.4 mg/L	M-COT-1.0	December 04, 2015
Chloride	13.6 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Chrome (Cr)	0.0099 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Chromium (Cr)	0.0026 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Copper (Cu)	0.0105 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Copper (Cu)	0.0044 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 15, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 07, 2015
Hardness	46 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 09, 2015
Tin (Sn)	0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Iron (Fe)	4.09 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Iron (Fe)	0.04 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Fluoride (F)	0.13 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Total Suspended Solids	41 mg/L	M-SOLI-1.0	December 08, 2015

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Analytical Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	4.14 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Manganese (Mn)	0.1782 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Manganese (Mn)	0.1604 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Mercury (Hg)	0.00003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Molybdenum (Mo)	0.0073 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Molybdenum (Mo)	0.0068 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Nickel (Ni)	0.0121 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Nickel (Ni)	0.0075 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Nitrate (NO3)	0.04 mg N/L	Sous-traitance\Multilab Direct	December 08, 2015
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	December 05, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 05, 2015
Total Phosphorus (P)	0.02 mg P/L	Sous-traitance\Multilab Direct	December 11, 2015
Lead (Pb)	0.0056 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Potassium (K)	1.55 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Selenium (Se)	0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sodium (Na)	4.62 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Solids	74 mg/L	M-TIT-1.0	December 04, 2015
Strontium (Sr)	0.083 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
dissolved Strontium (Sr)	0.074 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sulfate (SO4)	11.2 mg SO4/L	Sous-traitance\Multilab Direct	December 08, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Titanium (Ti)	0.03 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Zinc (Zn)	0.914 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Zinc	0.2 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Reactive silica (SiO2)	0.4 mg/L	Sous-traitance\Maxxam Analytics Inc	December 14, 2015
Salinity	0.06	Sous-traitance\Maxxam Analytics Inc	December 10, 2015

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Detection limit

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 145 Accuracy 100% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 1.08 Accuracy 92% Limit 0.800 - 1.200 Sample duplicate 0.308-0.288
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 0.883 Accuracy 88.3% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0101 Accuracy 99% Limit 0.0080 - 0.0120 Sample duplicate 0.0013-0.0015
Dissolved Antimony (Sb) mg/L	Blank <0.0001 Standard name DMR-0640-2015-26 Result 0.1916 Accuracy 86.3% Limit 0.178 - 0.266
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7314 Accuracy 99% Limit 0.579 - 0.869 Sample duplicate <0.0001-<0.0001
Dissolved Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7086 Accuracy 97.9% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0988

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Dissolved Arsenic (As) mg/L	Accuracy 98.8%
	Limit 0.0700 - 0.1300
	Sample duplicate <0.0005-<0.0005
	Blank <0.0005
	Standard name C00-046-705_X_1000
Barium (Ba) mg/L	Result 0.0946
	Accuracy 94.6%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Barium (Ba) mg/L	Result 0.0990
	Accuracy 99%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.0081-0.0073
	Blank <0.0005
Beryllium (Be) mg/L	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
	Blank <0.0005
Dissolved Beryllium (Be) mg/L	Standard name C00-046-705_X_1000
	Result 0.1042
	Accuracy 95.8%
	Limit 0.0800 - 0.1200
	Sample duplicate <0.0005-<0.0005
Boron (B) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1043
	Accuracy 95.7%
	Limit 0.0800 - 0.1200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.94
	Accuracy 94%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Sample duplicate 0.01-0.01
	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.97
	Accuracy 97%

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Cadmium (Cd) mg/L	Limit 0.800 - 1.200
	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10065
	Accuracy 99.4%
Dissolved Cadmium (Cd) mg/L	Limit 0.0800 - 0.1200
	Sample duplicate 0.00019-0.00020
	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10476
Calcium (Ca) mg/L	Accuracy 95.2%
	Limit 0.0800 - 0.1200
	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.02
Dissolved Organic Carbon (D.O.C.) mg/L	Accuracy 98%
	Limit 0.800 - 1.200
	Sample duplicate 11.7-11.4
	Blank 0.2
	Standard name COD 10mg/L
Total Organic Carbon (T.O.C.) mg/L	Result 11
	Accuracy 90%
	Limit 8 - 12
	Blank 0.2
	Standard name COT 10mg/L
Chloride mg/L	Result 11
	Accuracy 90%
	Limit 8 - 12
	Blank <0.5
	Standard name DMR-0791-2015-Cl
Chrome (Cr) mg/L	Result 103
	Accuracy 95.4%
	Limit 95 - 121
	Blank <0.0006
	Standard name C00-046-705_X_1000
Dissolved Chromium (Cr) mg/L	Result 0.1001
	Accuracy 99.9%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.0099-0.0108
	Blank <0.0006

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0943
	Accuracy 94.3%
	Limit 0.0800 - 0.1200
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1094
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.0105-0.0099
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.411
	Accuracy 92.3%
	Limit 1.05 - 1.57
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name DMR-0791-CN
	Result 0.049
	Accuracy 94.8%
	Limit 0.0439 - 0.0595
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0717-2015-6
	Result 0.0720
	Accuracy 88.3%
	Limit 0.0693 - 0.0937
Hardness mg CaCO ₃ /L	Sample duplicate 46-45
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.001-0.002
Dissolved Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0700 - 0.1300
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.15

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Dissolved Iron (Fe) mg/L	Accuracy 85%
	Limit 0.800 - 1.200
	Sample duplicate 4.09-4.36
	Blank <0.01
	Standard name DMR-0640-2015-26
Fluoride (F) mg/L	Result 16
	Accuracy 88.1%
	Limit 11.4 - 17.2
	Blank <0.02
	Standard name DMR-0791-2015-F
Lithium (Li) mg/L	Result 2.23
	Accuracy 94.1%
	Limit 2.19 - 2.55
	Blank <0.005
	Standard name DMR-0640-2015-26
Dissolved Lithium (Li) mg/L	Result 0.729
	Accuracy 86.2%
	Limit 0.677 - 1.015
	Blank <0.005
	Standard name DMR-0640-2015-26
Total Suspended Solids mg/L	Result 0.733
	Accuracy 86.6%
	Limit 0.677 - 1.015
	Blank <1
	Standard name STD-MES 25mg/L
Magnesium (Mg) mg/L	Result 26
	Accuracy 96%
	Limit 19 - 31
	Blank <0.02
	Standard name C00-046-705_X_1000
Manganese (Mn) mg/L	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
	Sample duplicate 4.14-4.12
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1071
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.1782-0.1727

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Dissolved Manganese (Mn) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0974 Accuracy 97.4% Limit 0.0800 - 0.1200
Mercury (Hg) mg/L	Standard name DMR-0716-2015-Eu Result 0.00056 Accuracy 88.9% Limit 0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1028 Accuracy 97.2% Limit 0.0800 - 0.1200 Sample duplicate 0.0073-0.0070
Dissolved Molybdenum (Mo) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0943 Accuracy 94.3% Limit 0.0800 - 0.1200
Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1087 Accuracy 91.3% Limit 0.0800 - 0.1200 Sample duplicate 0.0121-0.0126
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0965 Accuracy 96.5% Limit 0.0800 - 0.1200
Ortho-Phosphate (O-PO4) mg P/L	Blank <0.01 Standard name DMR-0791-2015-OPO4 Result 0.63 Accuracy 96.9% Limit 0.57 - 0.73
Total Phosphorus (P) mg P/L	Blank <0.01 Standard name DMR-0791-2015-Ptotal Result 1.03 Accuracy 97%

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Lead (Pb) mg/L	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0935
	Accuracy 93.5%
Dissolved Lead (Pb) mg/L	Limit 0.0800 - 0.1200
	Sample duplicate 0.0056-0.0054
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0896
Potassium (K) mg/L	Accuracy 89.6%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.95
Selenium (Se) mg/L	Accuracy 95%
	Limit 0.800 - 1.200
	Sample duplicate 1.55-1.51
	Blank <0.001
	Standard name C00-046-705_X_1000
Dissolved Selenium (Se) mg/L	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.001-<0.001
	Blank <0.001
Sodium (Na) mg/L	Standard name DMR-0640-2015-26
	Result 1.38
	Accuracy 97.8%
	Limit 1.08 - 1.62
	Blank <0.05
Strontium (Sr) mg/L	Standard name C00-046-705_X_1000
	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
	Sample duplicate 4.62-4.51
	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
dissolved Strontium (Sr) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.22
	Accuracy 95.3%
	Limit 1.02 - 1.54
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0791-2015-SO4
	Result 139
	Accuracy 89.7%
	Limit 113 - 139
Thallium (Tl) mg/L	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 925
	Accuracy 92.5%
	Limit 800 - 1200
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 915
	Accuracy 91.5%
	Limit 800 - 1200
Titanium (Ti) mg/L	Blank <0.01
	Sample duplicate 0.03-0.02
Dissolved titanium (Ti) mg/L	Blank <0.01
Uranium (U) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.100
	Accuracy 100%
	Limit 0.0800 - 0.1200
	Sample duplicate <0.001-<0.001
Dissolved Uranium (U) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.101
	Accuracy 99%
	Limit 0.0800 - 0.1200
Vanadium (V) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
	Sample duplicate <0.0005-0.0005

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter

Dissolved Vanadium mg/L Blank <0.0005
Standard name C00-046-705_X_1000
Result 0.0914
Accuracy 91.4%
Limit 0.0800 - 0.1200

Zinc (Zn) mg/L Blank <0.001
Standard name C00-046-705_X_1000
Result 0.106
Accuracy 94%
Limit 0.0800 - 0.1200

Dissolved Zinc mg/L Sample duplicate 0.914-0.914
Blank <0.001
Standard name C00-046-705_X_1000
Result 0.107
Accuracy 93%
Limit 0.0800 - 0.1200

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Additional information

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50254

Sampling location: east dike

Sampling date: December 03, 2015

Sample name: GW-MW-08-02

Sampling hour: 15:30

Sampled by: Martin Theriault

Date received: December 04, 2015

Matrix: Water

Drinking water distribution:

Reported on: December 16, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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Analytical Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
Alkalinity	33 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Aluminium (Al)	0.033 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Antimony (Sb)	0.0022 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Antimony (Sb)	0.0016 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Kjeldahl nitrogen	0.7 mg N/L	Sous-traitance\Multilab Direct	December 10, 2015
Barium (Ba)	0.0046 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Barium (Ba)	0.0023 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
bicarbonate (HCO ₃)	33 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cadmium (Cd)	0.00005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Cadmium (Cd)	0.00005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Calcium (Ca)	6.09 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Dissolved Organic Carbon (D.O.C.)	48.9 mg/L	M-COT-1.0	December 04, 2015
Total Organic Carbon (T.O.C.)	52.1 mg/L	M-COT-1.0	December 04, 2015
Chloride	5.7 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Chrome (Cr)	0.0023 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Chromium (Cr)	0.0019 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Copper (Cu)	0.0040 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 15, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 07, 2015
Hardness	24 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 09, 2015
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Iron (Fe)	1.75 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Iron (Fe)	0.03 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Fluoride (F)	0.09 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Total Suspended Solids	7 mg/L	M-SOLI-1.0	December 08, 2015

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Analytical Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	2.15 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Manganese (Mn)	0.2974 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Manganese (Mn)	0.2629 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Mercury (Hg)	0.00002 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Molybdenum (Mo)	0.0027 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Molybdenum (Mo)	0.0028 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Nickel (Ni)	0.0015 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Nickel (Ni)	0.0015 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Nitrate (NO3)	0.03 mg N/L	Sous-traitance\Multilab Direct	December 08, 2015
Nitrite (NO2)	0.03 mg N/L	Sous-traitance\Multilab Direct	December 05, 2015
Ortho-Phosphate (O-PO4)	0.02 mg P/L	Sous-traitance\Multilab Direct	December 05, 2015
Total Phosphorus (P)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 11, 2015
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Potassium (K)	0.98 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sodium (Na)	2.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Solids	39 mg/L	M-TIT-1.0	December 04, 2015
Strontium (Sr)	0.042 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
dissolved Strontium (Sr)	0.039 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sulfate (SO4)	5.5 mg SO4/L	Sous-traitance\Multilab Direct	December 08, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Zinc (Zn)	0.502 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Zinc	0.453 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Reactive silica (SiO2)	0.3 mg/L	ous-traitance\Maxxam Analytics Inc	December 14, 2015
Salinity	0.04	Sous-traitance\Maxxam Analytics Inc	December 10, 2015

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Detection limit

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling date: December 03, 2015

Sampling location: east dike

Sampling hour: 15:30

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling date: December 03, 2015

Sampling location: east dike

Sampling hour: 15:30

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 145 Accuracy 100% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006
	Standard name C00-046-705_X_1000 Result 1.08 Accuracy 92% Limit 0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name C00-046-705_X_1000 Result 0.883 Accuracy 88.3% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001
	Standard name C00-046-705_X_1000 Result 0.0101 Accuracy 99% Limit 0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank <0.0001
	Standard name C00-046-705_X_1000 Result 0.011 Accuracy 90% Limit 0.0080 - 0.0120
Silver (Ag) mg/L	Blank <0.0001
	Standard name DMR-0483-2015-Ag Result 0.7314 Accuracy 99% Limit 0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank <0.0001
	Standard name DMR-0483-2015-Ag Result 0.7086 Accuracy 97.9% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000 Result 0.0988 Accuracy 98.8% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0946
	Accuracy 94.6%
	Limit 0.0800 - 0.1200
Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0990
	Accuracy 99%
	Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1042
	Accuracy 95.8%
	Limit 0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1043
	Accuracy 95.7%
	Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.94
	Accuracy 94%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.97
	Accuracy 97%
	Limit 0.800 - 1.200
Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10065
	Accuracy 99.4%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.10476
	Accuracy 95.2%
	Limit 0.0800 - 0.1200
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.02
	Accuracy 98%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank 0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank 0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 103
	Accuracy 95.4%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.1001
	Accuracy 99.9%
	Limit 0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank <0.0006
	Standard name DMR-0640-2015-26
	Result 3.858
	Accuracy 95.3%
	Limit 3.24 - 4.86
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1094
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name DMR-0791-CN
	Result 0.049
	Accuracy 94.8%
	Limit 0.0439 - 0.0595
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0717-2015-6
	Result 0.0720
	Accuracy 88.3%
	Limit 0.0693 - 0.0937
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0700 - 0.1300
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.15
	Accuracy 85%
	Limit 0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.04
	Accuracy 96%
	Limit 0.800 - 1.200
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0791-2015-F
	Result 2.23
	Accuracy 94.1%
	Limit 2.19 - 2.55
Lithium (Li) mg/L	Blank <0.005

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name DMR-0640-2015-26
	Result 0.729
	Accuracy 86.2%
	Limit 0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.733
	Accuracy 86.6%
	Limit 0.677 - 1.015
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L
	Result 26
	Accuracy 96%
	Limit 19 - 31
Magnesium (Mg) mg/L	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1071
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0974
	Accuracy 97.4%
	Limit 0.0800 - 0.1200
Mercury (Hg) mg/L	Standard name DMR-0716-2015-Eu
	Result 0.00056
	Accuracy 88.9%
	Limit 0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1028
	Accuracy 97.2%
	Limit 0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Nickel (Ni) mg/L	Result 0.0943
	Accuracy 94.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Nickel (Ni) mg/L	Result 0.1087
	Accuracy 91.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Ortho-Phosphate (O-PO ₄) mg P/	Result 0.0965
	Accuracy 96.5%
	Limit 0.0800 - 0.1200
	Blank <0.01
	Standard name DMR-0791-2015-OPO ₄
Total Phosphorus (P) mg P/L	Result 0.63
	Accuracy 96.9%
	Limit 0.57 - 0.73
	Blank <0.01
	Standard name DMR-0791-2015-Ptotal
Lead (Pb) mg/L	Result 1.03
	Accuracy 97%
	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
Dissolved Lead (Pb) mg/L	Result 0.0935
	Accuracy 93.5%
	Limit 0.0800 - 0.1200
	Blank <0.0003
	Standard name C00-046-705_X_1000
Potassium (K) mg/L	Result 0.0896
	Accuracy 89.6%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Selenium (Se) mg/L	Result 0.95
	Accuracy 95%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
Dissolved Selenium (Se) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.103
	Accuracy 97%
	Limit 0.0800 - 0.1200
Sodium (Na) mg/L	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
Strontium (Sr) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54
dissolved Strontium (Sr) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.22
	Accuracy 95.3%
	Limit 1.02 - 1.54
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0791-2015-SO4
	Result 139
	Accuracy 89.7%
	Limit 113 - 139
Thallium (Tl) mg/L	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 925
	Accuracy 92.5%
	Limit 800 - 1200
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 915
	Accuracy 91.5%
	Limit 800 - 1200
Titanium (Ti) mg/L	Blank <0.01
Dissolved titanium (Ti) mg/L	Blank <0.01

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.100 Accuracy 100% Limit 0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.101 Accuracy 99% Limit 0.0800 - 0.1200
Vanadium (V) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1022 Accuracy 97.8% Limit 0.0800 - 0.1200
Dissolved Vanadium mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0914 Accuracy 91.4% Limit 0.0800 - 0.1200
Zinc (Zn) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.106 Accuracy 94% Limit 0.0800 - 0.1200
Dissolved Zinc mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.107 Accuracy 93% Limit 0.0800 - 0.1200

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Additional information

Lab number: V-50254
Sample name: GW-MW-08-02
Sampling location: east dike

Sampling date: December 03, 2015
Sampling hour: 15:30

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-47255

Sampling location: Central dike

Sampling date: August 26, 2015

Sample name: ST-GW-14-1

Sampling hour: 16:00

Sampled by: Martin Theriault

Date received: August 28, 2015

Matrix: Waste Water

Drinking water distribution:

Reported on: September 15, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-47255

Sample name: ST-GW-14-1

Sampling location: Central dike

Sampling date: August 26, 2015

Sampling hour: 16:00

Parameter	Result	Method name	Analysis date
Alkalinity	197 mg CaCO ₃ /L	M-TIT-1.0	August 28, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Arsenic (As)	0.1185 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Arsenic (As)	0.0868 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Barium (Ba)	0.0875 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Cadmium (Cd)	0.00003 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Chloride	361 mg/L	Sous-traitance\Multilab Direct	September 08, 2015
Copper (Cu)	0.0017 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Copper (Cu)	0.0017 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Total Cyanide (CNT)	0.093 mg/L	M-CN-1.0	August 31, 2015
Hardness	657 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Iron (Fe)	0.01 mg/L	Sous-traitance\Multilab Direct	September 01, 2015
Fluoride (F)	0.27 mg/L	Sous-traitance\Multilab Direct	September 14, 2015
Dissolved Manganese (Mn)	1.581 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Mercury (Hg)	0.00001 mg/L	Sous-traitance\Multilab Direct	September 02, 2015
Dissolved Molybdenum (Mo)	0.0156 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Ammonia NH ₃ (non-ionized)	0.02 mg N/L	Sous-traitance\Multilab Direct	September 02, 2015
Nickel (Ni)	0.0136 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Nickel (Ni)	0.0151 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Nitrate (NO ₃)	<0.01 mg N/L	Sous-traitance\Multilab Direct	September 01, 2015
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	August 28, 2015
Lead (Pb)	0.0074 mg/L	Sous-traitance\Multilab Direct	September 01, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Selenium (Se)	0.008 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Solids	1209 mg/L	M-TIT-1.0	August 28, 2015
Sulfate (SO ₄)	703 mg SO ₄ /L	Sous-traitance\Multilab Direct	September 08, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Zinc (Zn)	0.003 mg/L	Sous-traitance\Multilab Direct	September 01, 2015
Dissolved Zinc	0.004 mg/L	Sous-traitance\Multilab Direct	August 31, 2015

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Detection limit

Lab number: V-47255

Sample name: ST-GW-14-1

Sampling location: Central dike

Sampling date: August 26, 2015

Sampling hour: 16:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Chloride	0.5 mg/L		Sous-traitance	Yes
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005 mg/L		Sous-traitance	
Dissolved Mercury (Hg)	0.00001 mg/L		Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005 mg/L		Sous-traitance	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005 mg/L		Sous-traitance	
Nitrate (NO ₃)	0.01 mg N/L		Sous-traitance	Yes
Nitrite (NO ₂)	0.01 mg N/L		Sous-traitance	Yes
Lead (Pb)	0.0003 mg/L		Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003 mg/L		Sous-traitance	
Dissolved Selenium (Se)	0.001 mg/L		Sous-traitance	
Dissolved Solids	1 mg/L		M-TIT-1.0	
Sulfate (SO ₄)	0.6 mg SO ₄ /L		Sous-traitance	Yes
Dissolved thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Additional information

Lab number: V-47255
Sample name: ST-GW-14-1
Sampling location: Central dike

Sampling date: August 26, 2015
Sampling hour: 16:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-44471

Sampling location: ST-GW-14-01

Sampling date: May 31, 2015

Sample name: ST-GW-14-01

Sampling hour: 16:00

Sampled by: MT

Date received: June 02, 2015

Matrix: Waste Water

Drinking water distribution:

Reported on: June 10, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Lab number: V-44471

Sample name: ST-GW-14-01

Sampling date: May 31, 2015

Sampling location: ST-GW-14-01

Sampling hour: 16:00

Parameter	Result	Method name	Analysis date
Alkalinity	199 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	June 03, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Arsenic (As)	0.088 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Arsenic (As)	0.0538 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Barium (Ba)	0.0914 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Cadmium (Cd)	0.00003 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Chloride	272 mg/L	Sous-traitance\Multilab Direct	June 10, 2015
Copper (Cu)	0.0036 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Copper (Cu)	0.0037 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Total Cyanide (CNT)	0.117 mg/L	M-CN-1.0	June 04, 2015
Hardness	773.7562 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Iron (Fe)	0.01 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Fluoride (F)	0.33 mg/L	Sous-traitance\Multilab Direct	June 10, 2015
Dissolved Manganese (Mn)	1.867 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	June 03, 2015
Dissolved Molybdenum (Mo)	0.0171 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Ammonia NH ₃ (non-ionized)	0.02 mg N/L	Sous-traitance\Multilab Direct	June 09, 2015
Nickel (Ni)	0.0185 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Nickel (Ni)	0.0182 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Nitrate (NO ₃)	0.01 mg N/L	Sous-traitance\Multilab Direct	June 05, 2015
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	June 03, 2015
Lead (Pb)	0.0005 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Selenium (Se)	0.006 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Solids	1277 mg/L	Sous-traitance\Multilab Direct	June 03, 2015
Sulfate (SO ₄)	507 mg SO ₄ /L	Sous-traitance\Multilab Direct	June 08, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	June 05, 2015
Zinc (Zn)	0.001 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Zinc	0.002 mg/L	Sous-traitance\Multilab Direct	June 04, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Detection limit

Lab number: V-44471

Sample name: ST-GW-14-01

Sampling location: ST-GW-14-01

Sampling date: May 31, 2015

Sampling hour: 16:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Chloride	0.5 mg/L		Sous-traitance	Yes
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005 mg/L		Sous-traitance	
Dissolved Mercury (Hg)	0.00001 mg/L		Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005 mg/L		Sous-traitance	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005 mg/L		Sous-traitance	
Nitrate (NO ₃)	0.01 mg N/L		Sous-traitance	Yes
Nitrite (NO ₂)	0.01 mg N/L		Sous-traitance	Yes
Lead (Pb)	0.0003 mg/L		Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003 mg/L		Sous-traitance	
Dissolved Selenium (Se)	0.001 mg/L		Sous-traitance	
Dissolved Solids	1 mg/L		M-TIT-1.0	
Sulfate (SO ₄)	0.6 mg SO ₄ /L		Sous-traitance	Yes
Dissolved thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-44471

Sample name: ST-GW-14-01

Sampling location: ST-GW-14-01

Sampling date: May 31, 2015

Sampling hour: 16:00

Parameter	
Chloride mg/L	Blank <0.5
	Standard name DMR-0340-2015-Cl
	Result 111
	Accuracy 97.2%
	Limit 95 - 121
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1067
	Accuracy 93.3%
	Limit 0.0800 - 0.1200
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0341-2015-6
	Result 0.0800
	Accuracy 98.2%
	Limit 0.0693 - 0.0937
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0340-2015-F
	Result 2.5
	Accuracy 94.5%
	Limit 2.19 - 2.55
Dissolved Mercury (Hg) mg/L	Blank <0.00001
	Standard name DMR-0083-2014-Hg2
	Result 0.00563
	Accuracy 93.8%
	Limit 0.0032 - 0.0074
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0340-2015-SO4
	Result 139
	Accuracy 89.7%
	Limit 113 - 139
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name Tl-S140909023-1000ppm
	Result 941
	Accuracy 94.1%
	Limit 800 - 1200

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Additional information

Lab number: V-44471
Sample name: ST-GW-14-01
Sampling location: ST-GW-14-01

Sampling date: May 31, 2015
Sampling hour: 16:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-44471

Sampling location: ST-GW-14-01

Sampling date: May 31, 2015

Sample name: ST-GW-14-01

Sampling hour: 16:00

Sampled by: MT

Date received: June 02, 2015

Matrix: Waste Water

Drinking water distribution:

Reported on: June 10, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-44471

Sample name: ST-GW-14-01

Sampling date: May 31, 2015

Sampling location: ST-GW-14-01

Sampling hour: 16:00

Parameter	Result	Method name	Analysis date
Alkalinity	199 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	June 03, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Arsenic (As)	0.088 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Arsenic (As)	0.0538 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Barium (Ba)	0.0914 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Cadmium (Cd)	0.00003 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Chloride	272 mg/L	Sous-traitance\Multilab Direct	June 10, 2015
Copper (Cu)	0.0036 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Copper (Cu)	0.0037 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Total Cyanide (CNT)	0.117 mg/L	M-CN-1.0	June 04, 2015
Hardness	773.7562 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Iron (Fe)	0.01 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Fluoride (F)	0.33 mg/L	Sous-traitance\Multilab Direct	June 10, 2015
Dissolved Manganese (Mn)	1.867 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	June 03, 2015
Dissolved Molybdenum (Mo)	0.0171 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Ammonia NH ₃ (non-ionized)	0.02 mg N/L	Sous-traitance\Multilab Direct	June 09, 2015
Nickel (Ni)	0.0185 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Nickel (Ni)	0.0182 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Nitrate (NO ₃)	0.01 mg N/L	Sous-traitance\Multilab Direct	June 05, 2015
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	June 03, 2015
Lead (Pb)	0.0005 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Selenium (Se)	0.006 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Solids	1277 mg/L	Sous-traitance\Multilab Direct	June 03, 2015
Sulfate (SO ₄)	507 mg SO ₄ /L	Sous-traitance\Multilab Direct	June 08, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	June 05, 2015
Zinc (Zn)	0.001 mg/L	Sous-traitance\Multilab Direct	June 04, 2015
Dissolved Zinc	0.002 mg/L	Sous-traitance\Multilab Direct	June 04, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Lab number: V-44471

Sample name: ST-GW-14-01

Sampling location: ST-GW-14-01

Sampling date: May 31, 2015

Sampling hour: 16:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Chloride	0.5 mg/L		Sous-traitance	Yes
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005 mg/L		Sous-traitance	
Dissolved Mercury (Hg)	0.00001 mg/L		Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005 mg/L		Sous-traitance	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005 mg/L		Sous-traitance	
Nitrate (NO ₃)	0.01 mg N/L		Sous-traitance	Yes
Nitrite (NO ₂)	0.01 mg N/L		Sous-traitance	Yes
Lead (Pb)	0.0003 mg/L		Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003 mg/L		Sous-traitance	
Dissolved Selenium (Se)	0.001 mg/L		Sous-traitance	
Dissolved Solids	1 mg/L		M-TIT-1.0	
Sulfate (SO ₄)	0.6 mg SO ₄ /L		Sous-traitance	Yes
Dissolved thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Quality control Report

Lab number: V-44471

Sample name: ST-GW-14-01

Sampling location: ST-GW-14-01

Sampling date: May 31, 2015

Sampling hour: 16:00

Parameter	
Chloride mg/L	Blank <0.5 Standard name DMR-0340-2015-Cl Result 111 Accuracy 97.2% Limit 95 - 121
Copper (Cu) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1067 Accuracy 93.3% Limit 0.0800 - 0.1200
Total Cyanide (CNT) mg/L	Blank <0.005 Standard name DMR-0341-2015-6 Result 0.0800 Accuracy 98.2% Limit 0.0693 - 0.0937
Fluoride (F) mg/L	Blank <0.02 Standard name DMR-0340-2015-F Result 2.5 Accuracy 94.5% Limit 2.19 - 2.55
Dissolved Mercury (Hg) mg/L	Blank <0.00001 Standard name DMR-0083-2014-Hg2 Result 0.00563 Accuracy 93.8% Limit 0.0032 - 0.0074
Sulfate (SO4) mg SO4/L	Blank <0.6 Standard name DMR-0340-2015-SO4 Result 139 Accuracy 89.7% Limit 113 - 139
Dissolved thallium (Tl) mg/L	Blank <0.005 Standard name Tl-S140909023-1000ppm Result 941 Accuracy 94.1% Limit 800 - 1200

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Additional information

Lab number: V-44471
Sample name: ST-GW-14-01
Sampling location: ST-GW-14-01

Sampling date: May 31, 2015
Sampling hour: 16:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-47255

Sampling location: Central dike

Sampling date: August 26, 2015

Sample name: ST-GW-14-1

Sampling hour: 16:00

Sampled by: Martin Theriault

Date received: August 28, 2015

Matrix: Waste Water

Drinking water distribution:

Reported on: September 15, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Lab number: V-47255

Sample name: ST-GW-14-1

Sampling location: Central dike

Sampling date: August 26, 2015

Sampling hour: 16:00

Parameter	Result	Method name	Analysis date
Alkalinity	197 mg CaCO ₃ /L	M-TIT-1.0	August 28, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Arsenic (As)	0.1185 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Arsenic (As)	0.0868 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Barium (Ba)	0.0875 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Cadmium (Cd)	0.00003 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Chloride	361 mg/L	Sous-traitance\Multilab Direct	September 08, 2015
Copper (Cu)	0.0017 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Copper (Cu)	0.0017 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Total Cyanide (CNT)	0.093 mg/L	M-CN-1.0	August 31, 2015
Hardness	657 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Iron (Fe)	0.01 mg/L	Sous-traitance\Multilab Direct	September 01, 2015
Fluoride (F)	0.27 mg/L	Sous-traitance\Multilab Direct	September 14, 2015
Dissolved Manganese (Mn)	1.581 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Mercury (Hg)	0.00001 mg/L	Sous-traitance\Multilab Direct	September 02, 2015
Dissolved Molybdenum (Mo)	0.0156 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Ammonia NH ₃ (non-ionized)	0.02 mg N/L	Sous-traitance\Multilab Direct	September 02, 2015
Nickel (Ni)	0.0136 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Nickel (Ni)	0.0151 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Nitrate (NO ₃)	<0.01 mg N/L	Sous-traitance\Multilab Direct	September 01, 2015
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	August 28, 2015
Lead (Pb)	0.0074 mg/L	Sous-traitance\Multilab Direct	September 01, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Selenium (Se)	0.008 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Dissolved Solids	1209 mg/L	M-TIT-1.0	August 28, 2015
Sulfate (SO ₄)	703 mg SO ₄ /L	Sous-traitance\Multilab Direct	September 08, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 31, 2015
Zinc (Zn)	0.003 mg/L	Sous-traitance\Multilab Direct	September 01, 2015
Dissolved Zinc	0.004 mg/L	Sous-traitance\Multilab Direct	August 31, 2015

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Detection limit

Lab number: V-47255

Sample name: ST-GW-14-1

Sampling location: Central dike

Sampling date: August 26, 2015

Sampling hour: 16:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Chloride	0.5 mg/L		Sous-traitance	Yes
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005 mg/L		Sous-traitance	
Dissolved Mercury (Hg)	0.00001 mg/L		Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005 mg/L		Sous-traitance	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005 mg/L		Sous-traitance	
Nitrate (NO ₃)	0.01 mg N/L		Sous-traitance	Yes
Nitrite (NO ₂)	0.01 mg N/L		Sous-traitance	Yes
Lead (Pb)	0.0003 mg/L		Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003 mg/L		Sous-traitance	
Dissolved Selenium (Se)	0.001 mg/L		Sous-traitance	
Dissolved Solids	1 mg/L		M-TIT-1.0	
Sulfate (SO ₄)	0.6 mg SO ₄ /L		Sous-traitance	Yes
Dissolved thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	

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Additional information

Lab number: V-47255
Sample name: ST-GW-14-1
Sampling location: Central dike

Sampling date: August 26, 2015
Sampling hour: 16:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50254

Sampling location: east dike

Sampling date: December 03, 2015

Sample name: GW-MW-08-02

Sampling hour: 15:30

Sampled by: Martin Theriault

Date received: December 04, 2015

Matrix: Water

Drinking water distribution:

Reported on: December 16, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
Alkalinity	33 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Aluminium (Al)	0.033 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Antimony (Sb)	0.0022 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Antimony (Sb)	0.0016 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Kjeldahl nitrogen	0.7 mg N/L	Sous-traitance\Multilab Direct	December 10, 2015
Barium (Ba)	0.0046 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Barium (Ba)	0.0023 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
bicarbonate (HCO ₃)	33 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cadmium (Cd)	0.00005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Cadmium (Cd)	0.00005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Calcium (Ca)	6.09 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Dissolved Organic Carbon (D.O.C.)	48.9 mg/L	M-COT-1.0	December 04, 2015
Total Organic Carbon (T.O.C.)	52.1 mg/L	M-COT-1.0	December 04, 2015
Chloride	5.7 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Chrome (Cr)	0.0023 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Chromium (Cr)	0.0019 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Copper (Cu)	0.0040 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 15, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 07, 2015
Hardness	24 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 09, 2015
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Iron (Fe)	1.75 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Iron (Fe)	0.03 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Fluoride (F)	0.09 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Total Suspended Solids	7 mg/L	M-SOLI-1.0	December 08, 2015

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Analytical Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	2.15 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Manganese (Mn)	0.2974 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Manganese (Mn)	0.2629 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Mercury (Hg)	0.00002 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Molybdenum (Mo)	0.0027 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Molybdenum (Mo)	0.0028 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Nickel (Ni)	0.0015 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Nickel (Ni)	0.0015 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Nitrate (NO3)	0.03 mg N/L	Sous-traitance\Multilab Direct	December 08, 2015
Nitrite (NO2)	0.03 mg N/L	Sous-traitance\Multilab Direct	December 05, 2015
Ortho-Phosphate (O-PO4)	0.02 mg P/L	Sous-traitance\Multilab Direct	December 05, 2015
Total Phosphorus (P)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 11, 2015
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Potassium (K)	0.98 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sodium (Na)	2.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Solids	39 mg/L	M-TIT-1.0	December 04, 2015
Strontium (Sr)	0.042 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
dissolved Strontium (Sr)	0.039 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sulfate (SO4)	5.5 mg SO4/L	Sous-traitance\Multilab Direct	December 08, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Zinc (Zn)	0.502 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Zinc	0.453 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Reactive silica (SiO2)	0.3 mg/L	ous-traitance\Maxxam Analytics Inc	December 14, 2015
Salinity	0.04	Sous-traitance\Maxxam Analytics Inc	December 10, 2015

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Detection limit

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling date: December 03, 2015

Sampling location: east dike

Sampling hour: 15:30

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling date: December 03, 2015

Sampling location: east dike

Sampling hour: 15:30

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 145 Accuracy 100% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006
	Standard name C00-046-705_X_1000 Result 1.08 Accuracy 92% Limit 0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name C00-046-705_X_1000 Result 0.883 Accuracy 88.3% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001
	Standard name C00-046-705_X_1000 Result 0.0101 Accuracy 99% Limit 0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank <0.0001
	Standard name C00-046-705_X_1000 Result 0.011 Accuracy 90% Limit 0.0080 - 0.0120
Silver (Ag) mg/L	Blank <0.0001
	Standard name DMR-0483-2015-Ag Result 0.7314 Accuracy 99% Limit 0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank <0.0001
	Standard name DMR-0483-2015-Ag Result 0.7086 Accuracy 97.9% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000 Result 0.0988 Accuracy 98.8% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0946
	Accuracy 94.6%
	Limit 0.0800 - 0.1200
Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0990
	Accuracy 99%
	Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1042
	Accuracy 95.8%
	Limit 0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1043
	Accuracy 95.7%
	Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.94
	Accuracy 94%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.97
	Accuracy 97%
	Limit 0.800 - 1.200
Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10065
	Accuracy 99.4%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.10476
	Accuracy 95.2%
	Limit 0.0800 - 0.1200
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.02
	Accuracy 98%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank 0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank 0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 103
	Accuracy 95.4%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.1001
	Accuracy 99.9%
	Limit 0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank <0.0006
	Standard name DMR-0640-2015-26
	Result 3.858
	Accuracy 95.3%
	Limit 3.24 - 4.86
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1094
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name DMR-0791-CN
	Result 0.049
	Accuracy 94.8%
	Limit 0.0439 - 0.0595
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0717-2015-6
	Result 0.0720
	Accuracy 88.3%
	Limit 0.0693 - 0.0937
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0700 - 0.1300
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.15
	Accuracy 85%
	Limit 0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.04
	Accuracy 96%
	Limit 0.800 - 1.200
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0791-2015-F
	Result 2.23
	Accuracy 94.1%
	Limit 2.19 - 2.55
Lithium (Li) mg/L	Blank <0.005

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
	Standard name DMR-0640-2015-26
	Result 0.729
	Accuracy 86.2%
	Limit 0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.733
	Accuracy 86.6%
	Limit 0.677 - 1.015
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L
	Result 26
	Accuracy 96%
	Limit 19 - 31
Magnesium (Mg) mg/L	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1071
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0974
	Accuracy 97.4%
	Limit 0.0800 - 0.1200
Mercury (Hg) mg/L	Standard name DMR-0716-2015-Eu
	Result 0.00056
	Accuracy 88.9%
	Limit 0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1028
	Accuracy 97.2%
	Limit 0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Nickel (Ni) mg/L	Result 0.0943
	Accuracy 94.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Nickel (Ni) mg/L	Result 0.1087
	Accuracy 91.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Ortho-Phosphate (O-PO ₄) mg P/	Result 0.0965
	Accuracy 96.5%
	Limit 0.0800 - 0.1200
	Blank <0.01
	Standard name DMR-0791-2015-OPO ₄
Total Phosphorus (P) mg P/L	Result 0.63
	Accuracy 96.9%
	Limit 0.57 - 0.73
	Blank <0.01
	Standard name DMR-0791-2015-Ptotal
Lead (Pb) mg/L	Result 1.03
	Accuracy 97%
	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
Dissolved Lead (Pb) mg/L	Result 0.0935
	Accuracy 93.5%
	Limit 0.0800 - 0.1200
	Blank <0.0003
	Standard name C00-046-705_X_1000
Potassium (K) mg/L	Result 0.0896
	Accuracy 89.6%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Selenium (Se) mg/L	Result 0.95
	Accuracy 95%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Dissolved Selenium (Se) mg/L	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Blank <0.001
	Standard name C00-046-705_X_1000
Sodium (Na) mg/L	Result 0.103
	Accuracy 97%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Strontium (Sr) mg/L	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
	Blank <0.005
	Standard name DMR-0640-2015-26
dissolved Strontium (Sr) mg/L	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54
	Blank <0.005
	Standard name DMR-0640-2015-26
Sulfate (SO4) mg SO4/L	Result 1.22
	Accuracy 95.3%
	Limit 1.02 - 1.54
	Blank <0.6
	Standard name DMR-0791-2015-SO4
Thallium (Tl) mg/L	Result 139
	Accuracy 89.7%
	Limit 113 - 139
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Dissolved thallium (Tl) mg/L	Result 925
	Accuracy 92.5%
	Limit 800 - 1200
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Titanium (Ti) mg/L	Result 915
	Accuracy 91.5%
	Limit 800 - 1200
	Blank <0.01
	Blank <0.01

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Quality control Report

Lab number: V-50254

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 03, 2015

Sampling hour: 15:30

Parameter	
Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.100 Accuracy 100% Limit 0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.101 Accuracy 99% Limit 0.0800 - 0.1200
Vanadium (V) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1022 Accuracy 97.8% Limit 0.0800 - 0.1200
Dissolved Vanadium mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0914 Accuracy 91.4% Limit 0.0800 - 0.1200
Zinc (Zn) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.106 Accuracy 94% Limit 0.0800 - 0.1200
Dissolved Zinc mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.107 Accuracy 93% Limit 0.0800 - 0.1200

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Additional information

Lab number: V-50254
Sample name: GW-MW-08-02
Sampling location: east dike

Sampling date: December 03, 2015
Sampling hour: 15:30

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50256

Sampling location: east dike

Sampling date: December 04, 2015

Sample name: DUP-GW-MW-08-02

Sampling hour: 10:00

Sampled by: Martin Theriault

Date received: December 04, 2015

Matrix: Water

Drinking water distribution:

Reported on: December 16, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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Analytical Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Alkalinity	43 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Aluminium (Al)	0.308 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Antimony (Sb)	0.0013 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Antimony (Sb)	0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.14 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Kjeldahl nitrogen	1.81 mg N/L	Sous-traitance\Multilab Direct	December 10, 2015
Barium (Ba)	0.0081 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Barium (Ba)	0.0061 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
bicarbonate (HCO ₃)	43 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Boron (B)	0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cadmium (Cd)	0.00019 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Cadmium (Cd)	0.00011 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Calcium (Ca)	11.7 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Dissolved Organic Carbon (D.O.C.)	37.0 mg/L	M-COT-1.0	December 04, 2015
Total Organic Carbon (T.O.C.)	36.4 mg/L	M-COT-1.0	December 04, 2015
Chloride	13.6 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Chrome (Cr)	0.0099 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Chromium (Cr)	0.0026 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Copper (Cu)	0.0105 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Copper (Cu)	0.0044 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 15, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 07, 2015
Hardness	46 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 09, 2015
Tin (Sn)	0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Iron (Fe)	4.09 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Iron (Fe)	0.04 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Fluoride (F)	0.13 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Total Suspended Solids	41 mg/L	M-SOLI-1.0	December 08, 2015

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Analytical Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	4.14 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Manganese (Mn)	0.1782 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Manganese (Mn)	0.1604 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Mercury (Hg)	0.00003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Molybdenum (Mo)	0.0073 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Molybdenum (Mo)	0.0068 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Nickel (Ni)	0.0121 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Nickel (Ni)	0.0075 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Nitrate (NO3)	0.04 mg N/L	Sous-traitance\Multilab Direct	December 08, 2015
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	December 05, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 05, 2015
Total Phosphorus (P)	0.02 mg P/L	Sous-traitance\Multilab Direct	December 11, 2015
Lead (Pb)	0.0056 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Potassium (K)	1.55 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Selenium (Se)	0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sodium (Na)	4.62 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Solids	74 mg/L	M-TIT-1.0	December 04, 2015
Strontium (Sr)	0.083 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
dissolved Strontium (Sr)	0.074 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sulfate (SO4)	11.2 mg SO4/L	Sous-traitance\Multilab Direct	December 08, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Titanium (Ti)	0.03 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Zinc (Zn)	0.914 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Zinc	0.2 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Reactive silica (SiO2)	0.4 mg/L	ous-traitance\Maxxam Analytics Inc	December 14, 2015
Salinity	0.06	Sous-traitance\Maxxam Analytics Inc	December 10, 2015

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Detection limit

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 145 Accuracy 100% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 1.08 Accuracy 92% Limit 0.800 - 1.200 Sample duplicate 0.308-0.288
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 0.883 Accuracy 88.3% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0101 Accuracy 99% Limit 0.0080 - 0.0120 Sample duplicate 0.0013-0.0015
Dissolved Antimony (Sb) mg/L	Blank <0.0001 Standard name DMR-0640-2015-26 Result 0.1916 Accuracy 86.3% Limit 0.178 - 0.266
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7314 Accuracy 99% Limit 0.579 - 0.869 Sample duplicate <0.0001-<0.0001
Dissolved Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7086 Accuracy 97.9% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0988

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Dissolved Arsenic (As) mg/L	Accuracy 98.8%
	Limit 0.0700 - 0.1300
	Sample duplicate <0.0005-<0.0005
	Blank <0.0005
	Standard name C00-046-705_X_1000
Barium (Ba) mg/L	Result 0.0946
	Accuracy 94.6%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Barium (Ba) mg/L	Result 0.0990
	Accuracy 99%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.0081-0.0073
	Blank <0.0005
Beryllium (Be) mg/L	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
	Blank <0.0005
Dissolved Beryllium (Be) mg/L	Standard name C00-046-705_X_1000
	Result 0.1042
	Accuracy 95.8%
	Limit 0.0800 - 0.1200
	Sample duplicate <0.0005-<0.0005
Boron (B) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1043
	Accuracy 95.7%
	Limit 0.0800 - 0.1200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.94
	Accuracy 94%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Sample duplicate 0.01-0.01
	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.97
	Accuracy 97%

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Cadmium (Cd) mg/L	Limit 0.800 - 1.200
	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10065
	Accuracy 99.4%
Dissolved Cadmium (Cd) mg/L	Limit 0.0800 - 0.1200
	Sample duplicate 0.00019-0.00020
	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10476
Calcium (Ca) mg/L	Accuracy 95.2%
	Limit 0.0800 - 0.1200
	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.02
Dissolved Organic Carbon (D.O.C.) mg/L	Accuracy 98%
	Limit 0.800 - 1.200
	Sample duplicate 11.7-11.4
	Blank 0.2
	Standard name COD 10mg/L
Total Organic Carbon (T.O.C.) mg/L	Result 11
	Accuracy 90%
	Limit 8 - 12
	Blank 0.2
	Standard name COT 10mg/L
Chloride mg/L	Result 11
	Accuracy 90%
	Limit 8 - 12
	Blank <0.5
	Standard name DMR-0791-2015-Cl
Chrome (Cr) mg/L	Result 103
	Accuracy 95.4%
	Limit 95 - 121
	Blank <0.0006
	Standard name C00-046-705_X_1000
Dissolved Chromium (Cr) mg/L	Result 0.1001
	Accuracy 99.9%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.0099-0.0108
	Blank <0.0006

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0943
	Accuracy 94.3%
	Limit 0.0800 - 0.1200
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1094
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.0105-0.0099
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.411
	Accuracy 92.3%
	Limit 1.05 - 1.57
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name DMR-0791-CN
	Result 0.049
	Accuracy 94.8%
	Limit 0.0439 - 0.0595
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0717-2015-6
	Result 0.0720
	Accuracy 88.3%
	Limit 0.0693 - 0.0937
Hardness mg CaCO ₃ /L	Sample duplicate 46-45
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.001-0.002
Dissolved Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0700 - 0.1300
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.15

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Dissolved Iron (Fe) mg/L	Accuracy 85%
	Limit 0.800 - 1.200
	Sample duplicate 4.09-4.36
	Blank <0.01
	Standard name DMR-0640-2015-26
Fluoride (F) mg/L	Result 16
	Accuracy 88.1%
	Limit 11.4 - 17.2
	Blank <0.02
	Standard name DMR-0791-2015-F
Lithium (Li) mg/L	Result 2.23
	Accuracy 94.1%
	Limit 2.19 - 2.55
	Blank <0.005
	Standard name DMR-0640-2015-26
Dissolved Lithium (Li) mg/L	Result 0.729
	Accuracy 86.2%
	Limit 0.677 - 1.015
	Blank <0.005
	Standard name DMR-0640-2015-26
Total Suspended Solids mg/L	Result 0.733
	Accuracy 86.6%
	Limit 0.677 - 1.015
	Blank <1
	Standard name STD-MES 25mg/L
Magnesium (Mg) mg/L	Result 26
	Accuracy 96%
	Limit 19 - 31
	Blank <0.02
	Standard name C00-046-705_X_1000
Manganese (Mn) mg/L	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
	Sample duplicate 4.14-4.12
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1071
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.1782-0.1727

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Dissolved Manganese (Mn) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0974 Accuracy 97.4% Limit 0.0800 - 0.1200
Mercury (Hg) mg/L	Standard name DMR-0716-2015-Eu Result 0.00056 Accuracy 88.9% Limit 0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1028 Accuracy 97.2% Limit 0.0800 - 0.1200 Sample duplicate 0.0073-0.0070
Dissolved Molybdenum (Mo) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0943 Accuracy 94.3% Limit 0.0800 - 0.1200
Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1087 Accuracy 91.3% Limit 0.0800 - 0.1200 Sample duplicate 0.0121-0.0126
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0965 Accuracy 96.5% Limit 0.0800 - 0.1200
Ortho-Phosphate (O-PO ₄) mg P/L	Blank <0.01 Standard name DMR-0791-2015-OPO ₄ Result 0.63 Accuracy 96.9% Limit 0.57 - 0.73
Total Phosphorus (P) mg P/L	Blank <0.01 Standard name DMR-0791-2015-Ptotal Result 1.03 Accuracy 97%

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
Lead (Pb) mg/L	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0935
	Accuracy 93.5%
Dissolved Lead (Pb) mg/L	Limit 0.0800 - 0.1200
	Sample duplicate 0.0056-0.0054
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0896
Potassium (K) mg/L	Accuracy 89.6%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.95
Selenium (Se) mg/L	Accuracy 95%
	Limit 0.800 - 1.200
	Sample duplicate 1.55-1.51
	Blank <0.001
	Standard name C00-046-705_X_1000
Dissolved Selenium (Se) mg/L	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Sample duplicate 0.001-<0.001
	Blank <0.001
Sodium (Na) mg/L	Standard name DMR-0640-2015-26
	Result 1.38
	Accuracy 97.8%
	Limit 1.08 - 1.62
	Blank <0.05
Strontium (Sr) mg/L	Standard name C00-046-705_X_1000
	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
	Sample duplicate 4.62-4.51
Strontium (Sr) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	
dissolved Strontium (Sr) mg/L	Blank <0.005 Standard name DMR-0640-2015-26 Result 1.22 Accuracy 95.3% Limit 1.02 - 1.54
Sulfate (SO4) mg SO4/L	Blank <0.6 Standard name DMR-0791-2015-SO4 Result 139 Accuracy 89.7% Limit 113 - 139
Thallium (Tl) mg/L	Blank <0.005 Standard name Tl-S140909023-1000ppm Result 925 Accuracy 92.5% Limit 800 - 1200
Dissolved thallium (Tl) mg/L	Blank <0.005 Standard name Tl-S140909023-1000ppm Result 915 Accuracy 91.5% Limit 800 - 1200
Titanium (Ti) mg/L	Blank <0.01 Sample duplicate 0.03-0.02
Dissolved titanium (Ti) mg/L	Blank <0.01
Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.100 Accuracy 100% Limit 0.0800 - 0.1200 Sample duplicate <0.001-<0.001
Dissolved Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.101 Accuracy 99% Limit 0.0800 - 0.1200
Vanadium (V) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1022 Accuracy 97.8% Limit 0.0800 - 0.1200 Sample duplicate <0.0005-0.0005

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Quality control Report

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter

Dissolved Vanadium mg/L Blank <0.0005
Standard name C00-046-705_X_1000
Result 0.0914
Accuracy 91.4%
Limit 0.0800 - 0.1200

Zinc (Zn) mg/L Blank <0.001
Standard name C00-046-705_X_1000
Result 0.106
Accuracy 94%
Limit 0.0800 - 0.1200

Dissolved Zinc mg/L Sample duplicate 0.914-0.914
Blank <0.001
Standard name C00-046-705_X_1000
Result 0.107
Accuracy 93%
Limit 0.0800 - 0.1200

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Additional information

Lab number: V-50256

Sample name: DUP-GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50255

Sampling location: east dike

Sampling date: December 04, 2015

Sample name: GW-MW-08-02

Sampling hour: 10:00

Sampled by: Martin Theriault

Date received: December 04, 2015

Matrix: Water

Drinking water distribution:

Reported on: December 16, 2015

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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Analytical Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Alkalinity	49 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Aluminium (Al)	0.259 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Antimony (Sb)	0.0011 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Antimony (Sb)	0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.17 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Kjeldahl nitrogen	1.33 mg N/L	Sous-traitance\Multilab Direct	December 10, 2015
Barium (Ba)	0.0072 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Barium (Ba)	0.0063 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
bicarbonate (HCO ₃)	49 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Boron (B)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cadmium (Cd)	0.00012 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Cadmium (Cd)	0.00012 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Calcium (Ca)	11.8 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 04, 2015
Dissolved Organic Carbon (D.O.C.)	34.5 mg/L	M-COT-1.0	December 04, 2015
Total Organic Carbon (T.O.C.)	38.4 mg/L	M-COT-1.0	December 04, 2015
Chloride	13.8 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Chrome (Cr)	0.0105 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Chromium (Cr)	0.0026 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Copper (Cu)	0.0095 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Copper (Cu)	0.007 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 15, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 07, 2015
Hardness	47 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 09, 2015
Tin (Sn)	0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Iron (Fe)	4.22 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Iron (Fe)	0.05 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Fluoride (F)	0.13 mg/L	Sous-traitance\Multilab Direct	December 11, 2015
Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Total Suspended Solids	25 mg/L	M-SOLI-1.0	December 08, 2015

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Analytical Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	4.32 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Manganese (Mn)	0.1834 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Manganese (Mn)	0.1632 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Mercury (Hg)	0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Mercury (Hg)	<0.00001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Molybdenum (Mo)	0.0072 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Molybdenum (Mo)	0.0068 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 07, 2015
Nickel (Ni)	0.0115 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Nickel (Ni)	0.0078 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Nitrate (NO3)	0.05 mg N/L	Sous-traitance\Multilab Direct	December 08, 2015
Nitrite (NO2)	0.02 mg N/L	Sous-traitance\Multilab Direct	December 05, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 05, 2015
Total Phosphorus (P)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 11, 2015
Lead (Pb)	0.0101 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Potassium (K)	1.69 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sodium (Na)	5.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Solids	73 mg/L	M-TIT-1.0	December 04, 2015
Strontium (Sr)	0.082 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
dissolved Strontium (Sr)	0.074 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Sulfate (SO4)	11.8 mg SO4/L	Sous-traitance\Multilab Direct	December 08, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Titanium (Ti)	0.03 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved titanium (Ti)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Uranium (U)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Zinc (Zn)	0.797 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Dissolved Zinc	0.212 mg/L	Sous-traitance\Multilab Direct	December 09, 2015
Reactive silica (SiO2)	0.4 mg/L	Sous-traitance\Maxxam Analytics Inc	December 14, 2015
Salinity	0.06	Sous-traitance\Maxxam Analytics Inc	December 10, 2015

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Detection limit

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling date: December 04, 2015

Sampling location: east dike

Sampling hour: 10:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 145 Accuracy 100% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 1.08 Accuracy 92% Limit 0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name DMR-0640-2015-26 Result 5.98 Accuracy 93.9% Limit 5.10 - 7.64
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0101 Accuracy 99% Limit 0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank <0.0001 Standard name DMR-0640-2015-26 Result 0.1916 Accuracy 86.3% Limit 0.178 - 0.266
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7314 Accuracy 99% Limit 0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7086 Accuracy 97.9% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0988 Accuracy 98.8% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0946
	Accuracy 94.6%
	Limit 0.0800 - 0.1200
Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0990
	Accuracy 99%
	Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1042
	Accuracy 95.8%
	Limit 0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1043
	Accuracy 95.7%
	Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.94
	Accuracy 94%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 2.86
	Accuracy 96.9%
	Limit 2.36 - 3.54
Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10065
	Accuracy 99.4%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.10476
	Accuracy 95.2%
	Limit 0.0800 - 0.1200
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.02
	Accuracy 98%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank 0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank 0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 103
	Accuracy 95.4%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.1001
	Accuracy 99.9%
	Limit 0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank <0.0006
	Standard name DMR-0640-2015-26
	Result 3.858
	Accuracy 95.3%
	Limit 3.24 - 4.86
Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1094
	Accuracy 90.6%
	Limit 0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1022
	Accuracy 97.8%
	Limit 0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name DMR-0791-CN
	Result 0.049
	Accuracy 94.8%
	Limit 0.0439 - 0.0595
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0717-2015-6
	Result 0.0720
	Accuracy 88.3%
	Limit 0.0693 - 0.0937
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0700 - 0.1300
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.15
	Accuracy 85%
	Limit 0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.04
	Accuracy 96%
	Limit 0.800 - 1.200
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0791-2015-F
	Result 2.23
	Accuracy 94.1%
	Limit 2.19 - 2.55
Lithium (Li) mg/L	Blank <0.005

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
	Standard name DMR-0640-2015-26
	Result 0.729
	Accuracy 86.2%
	Limit 0.677 - 1.015
Dissolved Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.733
	Accuracy 86.6%
	Limit 0.677 - 1.015
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L
	Result 26
	Accuracy 96%
	Limit 19 - 31
Magnesium (Mg) mg/L	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
Manganese (Mn) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1071
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
Dissolved Manganese (Mn) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 3.633
	Accuracy 93.4%
	Limit 3.11 - 4.67
Mercury (Hg) mg/L	Standard name DMR-0716-2015-Eu
	Result 0.00056
	Accuracy 88.9%
	Limit 0.00038 - 0.00088
Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1028
	Accuracy 97.2%
	Limit 0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Nickel (Ni) mg/L	Result 0.0943
	Accuracy 94.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Nickel (Ni) mg/L	Result 0.1087
	Accuracy 91.3%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name C00-046-705_X_1000
Ortho-Phosphate (O-PO4) mg P/	Result 0.0965
	Accuracy 96.5%
	Limit 0.0800 - 0.1200
	Blank <0.01
	Standard name DMR-0791-2015-OPO4
Total Phosphorus (P) mg P/L	Result 0.63
	Accuracy 96.9%
	Limit 0.57 - 0.73
	Blank <0.01
	Standard name DMR-0791-2015-Ptotal
Lead (Pb) mg/L	Result 1.03
	Accuracy 97%
	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
Dissolved Lead (Pb) mg/L	Result 0.0935
	Accuracy 93.5%
	Limit 0.0800 - 0.1200
	Blank <0.0003
	Standard name C00-046-705_X_1000
Potassium (K) mg/L	Result 0.0896
	Accuracy 89.6%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Selenium (Se) mg/L	Result 0.95
	Accuracy 95%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Dissolved Selenium (Se) mg/L	Result 0.106
	Accuracy 94%
	Limit 0.0800 - 0.1200
	Blank <0.001
	Standard name C00-046-705_X_1000
Sodium (Na) mg/L	Result 0.103
	Accuracy 97%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
Strontium (Sr) mg/L	Result 0.93
	Accuracy 93%
	Limit 0.800 - 1.200
	Blank <0.005
	Standard name DMR-0640-2015-26
dissolved Strontium (Sr) mg/L	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54
	Blank <0.005
	Standard name DMR-0640-2015-26
Sulfate (SO4) mg SO4/L	Result 1.22
	Accuracy 95.3%
	Limit 1.02 - 1.54
	Blank <0.6
	Standard name DMR-0791-2015-SO4
Thallium (Tl) mg/L	Result 139
	Accuracy 89.7%
	Limit 113 - 139
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Dissolved thallium (Tl) mg/L	Result 925
	Accuracy 92.5%
	Limit 800 - 1200
	Blank <0.005
	Standard name Tl-S140909023-1000ppm
Titanium (Ti) mg/L	Result 915
	Accuracy 91.5%
	Limit 800 - 1200
	Blank <0.01
	Blank <0.01

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Quality control Report

Lab number: V-50255

Sample name: GW-MW-08-02

Sampling location: east dike

Sampling date: December 04, 2015

Sampling hour: 10:00

Parameter	
Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.100 Accuracy 100% Limit 0.0800 - 0.1200
Dissolved Uranium (U) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.101 Accuracy 99% Limit 0.0800 - 0.1200
Vanadium (V) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1022 Accuracy 97.8% Limit 0.0800 - 0.1200
Dissolved Vanadium mg/L	Blank <0.0005 Standard name DMR-0640-2015-26 Result 1.869 Accuracy 93.9% Limit 1.59 - 2.39
Zinc (Zn) mg/L	Blank <0.001 Standard name C00-046-705_X_1000 Result 0.106 Accuracy 94% Limit 0.0800 - 0.1200
Dissolved Zinc mg/L	Blank <0.001 Standard name DMR-0640-2015-26 Result 5.11 Accuracy 93.1% Limit 3.82 - 5.74

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Additional information

Lab number: V-50255
Sample name: GW-MW-08-02
Sampling location: east dike

Sampling date: December 04, 2015
Sampling hour: 10:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50466

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sample name: GW

Sampling hour: 15:00

Sampled by: Martin Theriault

Date received: December 15, 2015

Matrix: Water

Drinking water distribution:

Reported on: January 05, 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Result	Method name	Analysis date
Alkalinity	102 mg CaCO ₃ /L	M-TIT-1.0	December 15, 2015
Aluminium (Al)	6.64 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Antimony (Sb)	0.0012 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Antimony (Sb)	0.0015 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Silver (Ag)	0.0003 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Arsenic (As)	0.0673 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Arsenic (As)	0.0089 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Kjeldahl nitrogen	<0.05 mg N/L	Sous-traitance\Multilab Direct	December 30, 2015
Barium (Ba)	0.0137 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Barium (Ba)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Beryllium (Be)	0.0035 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
bicarbonate (HCO ₃)	102 mg CaCO ₃ /L	M-TIT-1.0	December 15, 2015
Boron (B)	0.19 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Boron (B)	0.21 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Cadmium (Cd)	0.00032 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Cadmium (Cd)	0.00007 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Calcium (Ca)	23.7 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 15, 2015
Dissolved Organic Carbon (D.O.C.)	3.3 mg/L	M-COT-1.0	December 15, 2015
Total Organic Carbon (T.O.C.)	51.0 mg/L	M-COT-1.0	December 15, 2015
Chloride	19.7 mg/L	Sous-traitance\Multilab Direct	December 17, 2015
Chrome (Cr)	0.0571 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Chromium (Cr)	<0.0006 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Copper (Cu)	0.0170 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 22, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 16, 2015
Hardness	115 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 18, 2015
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Iron (Fe)	42.4 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Fluoride (F)	1.32 mg/L	Sous-traitance\Multilab Direct	December 16, 2015
Lithium (Li)	0.019 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Total Suspended Solids	55 mg/L	M-SOLI-1.0	December 16, 2015

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Analytical Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	13.7 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Manganese (Mn)	0.2411 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Manganese (Mn)	0.0126 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Mercury (Hg)	0.00019 mg/L	Sous-traitance\Multilab Direct	December 16, 2015
Dissolved Mercury (Hg)	0.00021 mg/L	Sous-traitance\Multilab Direct	December 16, 2015
Molybdenum (Mo)	0.0537 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Molybdenum (Mo)	0.0386 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Nickel (Ni)	0.0484 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Nickel (Ni)	0.0122 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Nitrate (NO3)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 17, 2015
Nitrite (NO2)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 16, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 16, 2015
Total Phosphorus (P)	1.05 mg P/L	Sous-traitance\Multilab Direct	December 16, 2015
Lead (Pb)	0.0222 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Potassium (K)	3.16 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Selenium (Se)	0.004 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Selenium (Se)	0.003 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Reactive silica (SiO2)	6.0 mg/L	Sous-traitance\Maxxam Analytics Inc	December 21, 2015
Sodium (Na)	19.4 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Solids	55 mg/L	M-TIT-1.0	December 15, 2015
Strontium (Sr)	0.203 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
dissolved Strontium (Sr)	0.169 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Sulfate (SO4)	9.5 mg SO4/L	Sous-traitance\Multilab Direct	December 21, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 23, 2015
Titanium (Ti)	0.07 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Uranium (U)	0.018 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Uranium (U)	0.011 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Vanadium (V)	0.0120 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Zinc (Zn)	0.016 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	December 18, 2015
Salinity	0.12	Sous-traitance\Maxxam Analytics Inc	December 21, 2015

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Detection limit

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO ₃ /L	M-TIT-1.0	
Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Antimony (Sb)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001	mg/L	Sous-traitance	
Silver (Ag)	0.0001	mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Arsenic (As)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01	mg N/L	Sous-traitance	Yes
Kjeldahl nitrogen	0.05	mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Beryllium (Be)	0.0005	mg/L	Sous-traitance	
Dissolved Beryllium (Be)	0.0005	mg/L	Sous-traitance	
bicarbonate (HCO ₃)	2	mg CaCO ₃ /L	M-TIT-1.0	
Boron (B)	0.01	mg/L	Sous-traitance	Yes
Dissolved Boron (B)	0.01	mg/L	Sous-traitance	
Cadmium (Cd)	0.00002	mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Calcium (Ca)	0.03	mg/L	Sous-traitance	Yes
Carbonate (CO ₃)	2	mg CaCO ₃ /L	M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2	mg/L	M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2	mg/L	M-COT-1.0	Yes
Chloride	0.5	mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006	mg/L	Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006	mg/L	Sous-traitance	
Copper (Cu)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Cyanide W.A.D.	0.005	mg/L	Sous-traitance	Yes
Total Cyanide (CNT)	0.005	mg/L	M-CN-1.0	Yes
Hardness	1	mg CaCO ₃ /L	Sous-traitance	
Tin (Sn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Tin (Sn)	0.001	mg/L	Sous-traitance	
Iron (Fe)	0.01	mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Lithium (Li)	0.005	mg/L	Sous-traitance	
Dissolved Lithium (Li)	0.005	mg/L	Sous-traitance	
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50466

Sample name: GW

Sampling date: December 13, 2015

Sampling location: GW-Pit E3

Sampling hour: 15:00

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	
Salinity			Sous-traitance	

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 154 Accuracy 93.8% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 0.800 Accuracy 80% Limit 0.800 - 1.200
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name DMR-0640-2015-26 Result 5.31 Accuracy 83.4% Limit 5.10 - 7.64
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0120 Accuracy 80% Limit 0.0080 - 0.0120
Dissolved Antimony (Sb) mg/L	Blank <0.0001 Standard name DMR-0640-2015-26 Result 0.1807 Accuracy 81.4% Limit 0.178 - 0.266
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7201 Accuracy 99.5% Limit 0.579 - 0.869
Dissolved Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.7649 Accuracy 94.4% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1300 Accuracy 70% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
	Standard name DMR-0640-2015-26
	Result 0.3095
	Accuracy 90.6%
	Limit 0.226 - 0.340
Ammonia nitrogen (NH ₃ -NH ₄) m	Blank <0.01
	Standard name DMR-0791-2015-NH3
	Result 9.99
	Accuracy 98.9%
	Limit 8.6 - 11.6
Barium (Ba) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0989
	Accuracy 98.9%
	Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 2.174
	Accuracy 89.5%
	Limit 1.94 - 2.92
Beryllium (Be) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1153
	Accuracy 84.7%
	Limit 0.0800 - 0.1200
Dissolved Beryllium (Be) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.750
	Accuracy 97.1%
	Limit 1.36 - 2.04
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.80
	Accuracy 80%
	Limit 0.800 - 1.200
Dissolved Boron (B) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 2.96
	Accuracy 99.7%
	Limit 2.36 - 3.54
Cadmium (Cd) mg/L	Blank <0.00002

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.10711
	Accuracy 92.9%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002
	Standard name DMR-0640-2015-26
	Result 0.86904
	Accuracy 96.6%
	Limit 0.720 - 1.080
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 0.86
	Accuracy 86%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank <0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank <0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 104
	Accuracy 96.3%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.0851
	Accuracy 85.1%
	Limit 0.0800 - 0.1200
Dissolved Chromium (Cr) mg/L	Blank <0.0006
	Standard name DMR-0640-2015-26
	Result 3.675
	Accuracy 90.7%
	Limit 3.24 - 4.86
Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.0948
	Accuracy 94.8%
	Limit 0.0800 - 0.1200
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.280
	Accuracy 97.7%
	Limit 1.05 - 1.57
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0792-2015-6
	Result 0.0760
	Accuracy 93.3%
	Limit 0.0693 - 0.0937
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.099
	Accuracy 99%
	Limit 0.0800 - 0.1200
Dissolved Tin (Sn) mg/L	Blank <0.001
Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.02
	Accuracy 98%
	Limit 0.800 - 1.200
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 17.2
	Accuracy 79.7%
	Limit 11.4 - 17.2
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0791-2015-F
	Result 2.51
	Accuracy 94.1%
	Limit 2.19 - 2.55
	Sample duplicate 1.32-1.28
Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.951
	Accuracy 87.6%

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Dissolved Lithium (Li) mg/L	Limit 0.677 - 1.015
	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.837
	Accuracy 98.9%
Total Suspended Solids mg/L	Limit 0.677 - 1.015
	Blank <1
	Standard name STD-MES 25mg/L
	Result 26
	Accuracy 96%
Magnesium (Mg) mg/L	Limit 19 - 31
	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 0.83
	Accuracy 83%
Manganese (Mn) mg/L	Limit 0.800 - 1.200
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0803
	Accuracy 80.3%
Dissolved Manganese (Mn) mg/L	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 3.596
	Accuracy 92.4%
Molybdenum (Mo) mg/L	Limit 3.11 - 4.67
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.0901
	Accuracy 90.1%
Dissolved Molybdenum (Mo) mg/L	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 0.5844
	Accuracy 82.5%
Ammonia NH3 (non-ionized) mg	Limit 0.566 - 0.850
	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.0836
Nickel (Ni) mg/L	

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Dissolved Nickel (Ni) mg/L	Accuracy 83.6%
	Limit 0.0800 - 0.1200
	Blank <0.0005
	Standard name DMR-0640-2015-26
	Result 1.043
Ortho-Phosphate (O-PO ₄) mg P/	Accuracy 92.3%
	Limit 0.90 - 1.36
	Blank <0.01
	Standard name DMR-0791-2015-OPO ₄
	Result 0.70
Total Phosphorus (P) mg P/L	Accuracy 92.3%
	Limit 0.57 - 0.73
	Blank <0.01
	Standard name DMR-0791-2015-Ptotal
	Result 0.98
Lead (Pb) mg/L	Accuracy 98%
	Limit 0.88 - 1.12
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0883
Dissolved Lead (Pb) mg/L	Accuracy 88.3%
	Limit 0.0800 - 0.1200
	Blank <0.0003
	Standard name DMR-0640-2015-26
	Result 0.8449
Potassium (K) mg/L	Accuracy 92.9%
	Limit 0.727 - 1.091
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 1.16
Selenium (Se) mg/L	Accuracy 84%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.120
Dissolved Selenium (Se) mg/L	Accuracy 80%
	Limit 0.0800 - 0.1200
	Blank <0.001
	Standard name DMR-0640-2015-26
	Result 1.35

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Quality control Report

Lab number: V-50466

Sample name: GW

Sampling location: GW-Pit E3

Sampling date: December 13, 2015

Sampling hour: 15:00

Parameter	
Sodium (Na) mg/L	Accuracy 100%
	Limit 1.08 - 1.62
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.80
Strontium (Sr) mg/L	Accuracy 80%
	Limit 0.800 - 1.200
	Blank <0.005
	Standard name DMR-0640-2015-26
dissolved Strontium (Sr) mg/L	Result 1.35
	Accuracy 94.5%
	Limit 1.02 - 1.54
	Blank <0.005
Thallium (Tl) mg/L	Standard name DMR-0640-2015-26
	Result 1.29
	Accuracy 99.2%
	Limit 1.02 - 1.54
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name TI-S140909023-1000ppm
	Result 892
	Accuracy 89.2%
Titanium (Ti) mg/L	Limit 800 - 1200
	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 0.094
Dissolved titanium (Ti) mg/L	Accuracy 94%
	Limit 0.0800 - 0.1200
	Blank <0.001
	Standard name DMR-0640-2015-26
Uranium (U) mg/L	Result 1.63
	Accuracy 92.6%
	Limit 1.41 - 2.11
	Blank <0.0005

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Additional information

Lab number: V-50466
Sample name: GW
Sampling location: GW-Pit E3

Sampling date: December 13, 2015
Sampling hour: 15:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stephane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-50563

Sampling location: Pit E3

Sampling date: December 17, 2015

Sample name: GW-Pit E3 B6

Sampling hour: 18:30

Sampled by: Martin Theriault

Date received: December 18, 2015

Matrix: Water

Drinking water distribution:

Corrected certificate, replacing the certificate V-50563 done on January 08 2016

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Result	Method name	Analysis date
Alkalinity	105 mg CaCO ₃ /L	M-TIT-1.0	December 18, 2015
Aluminium (Al)	10.98 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Aluminium (Al)	0.012 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Antimony (Sb)	0.0014 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Antimony (Sb)	0.0016 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Silver (Ag)	0.0003 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Arsenic (As)	0.0044 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Ammonia nitrogen (NH ₃ -NH ₄)	0.06 mg N/L	Sous-traitance\Multilab Direct	December 21, 2015
Kjeldahl nitrogen	8.55 mg N/L	Sous-traitance\Multilab Direct	December 23, 2015
Barium (Ba)	0.0087 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Barium (Ba)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Beryllium (Be)	0.0014 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
bicarbonate (HCO ₃)	105 mg CaCO ₃ /L	M-TIT-1.0	December 18, 2015
Boron (B)	0.50 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Boron (B)	0.20 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Cadmium (Cd)	0.00035 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Cadmium (Cd)	0.00011 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Calcium (Ca)	27.4 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Carbonate (CO ₃)	<2 mg CaCO ₃ /L	M-TIT-1.0	December 18, 2015
Dissolved Organic Carbon (D.O.C.)	11.3 mg/L	M-COT-1.0	December 18, 2015
Total Organic Carbon (T.O.C.)	10.1 mg/L	M-COT-1.0	December 18, 2015
Chloride	19.1 mg/L	Sous-traitance\Multilab Direct	December 21, 2015
Chrome (Cr)	0.0355 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Chromium (Cr)	0.0036 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Copper (Cu)	0.0101 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Cyanide W.A.D.	<0.005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	December 18, 2015
Hardness	117 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	December 29, 2015
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Iron (Fe)	41.7 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Fluoride (F)	1.2 mg/L	Sous-traitance\Multilab Direct	December 21, 2015
Lithium (Li)	0.02 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Dissolved Lithium (Li)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Total Suspended Solids	855 mg/L	M-SOLI-1.0	December 21, 2015

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Analytical Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Result	Method name	Analysis date
Magnesium (Mg)	11.9 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Manganese (Mn)	0.1908 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Manganese (Mn)	0.014 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Mercury (Hg)	0.00011 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Mercury (Hg)	0.00051 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Molybdenum (Mo)	0.0654 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Molybdenum (Mo)	0.0354 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Ammonia NH3 (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 21, 2015
Nickel (Ni)	0.0397 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Nickel (Ni)	0.0067 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Nitrate (NO3)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Nitrite (NO2)	<0.01 mg N/L	Sous-traitance\Multilab Direct	December 18, 2015
Ortho-Phosphate (O-PO4)	<0.01 mg P/L	Sous-traitance\Multilab Direct	December 21, 2015
Total Phosphorus (P)	0.97 mg P/L	Sous-traitance\Multilab Direct	January 05, 2016
Lead (Pb)	0.0137 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Potassium (K)	1.42 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Salinity	0.13	Sous-traitance\Maxxam Analytics Inc	January 04, 2016
Selenium (Se)	0.002 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Selenium (Se)	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Reactive silica (SiO2)	10 mg/L	Sous-traitance\Maxxam Analytics Inc	December 24, 2015
Sodium (Na)	20.9 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Solids	185 mg/L	M-TIT-1.0	December 18, 2015
Strontium (Sr)	0.204 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
dissolved Strontium (Sr)	0.157 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Sulfate (SO4)	13.3 mg SO4/L	Sous-traitance\Multilab Direct	December 28, 2015
Thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 28, 2015
Titanium (Ti)	0.04 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Uranium (U)	0.023 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Uranium (U)	0.007 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Vanadium (V)	0.0130 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Vanadium	<0.0005 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Zinc (Zn)	0.015 mg/L	Sous-traitance\Multilab Direct	December 29, 2015
Dissolved Zinc	<0.001 mg/L	Sous-traitance\Multilab Direct	December 29, 2015

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Detection limit

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Antimony (Sb)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Antimony (Sb)	0.0001 mg/L		Sous-traitance	
Silver (Ag)	0.0001 mg/L		Sous-traitance	Yes
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Kjeldahl nitrogen	0.05 mg N/L		Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Beryllium (Be)	0.0005 mg/L		Sous-traitance	
Dissolved Beryllium (Be)	0.0005 mg/L		Sous-traitance	
bicarbonate (HCO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Boron (B)	0.01 mg/L		Sous-traitance	Yes
Dissolved Boron (B)	0.01 mg/L		Sous-traitance	
Cadmium (Cd)	0.00002 mg/L		Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Calcium (Ca)	0.03 mg/L		Sous-traitance	Yes
Carbonate (CO ₃)	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Organic Carbon (D.O.C.)	0.2 mg/L		M-COT-1.0	--
Total Organic Carbon (T.O.C.)	0.2 mg/L		M-COT-1.0	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L		Sous-traitance	Yes
Dissolved Chromium (Cr)	0.0006 mg/L		Sous-traitance	
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Cyanide W.A.D.	0.005 mg/L		Sous-traitance	Yes
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Tin (Sn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Tin (Sn)	0.001 mg/L		Sous-traitance	
Iron (Fe)	0.01 mg/L		Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Lithium (Li)	0.005 mg/L		Sous-traitance	
Dissolved Lithium (Li)	0.005 mg/L		Sous-traitance	
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes

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Detection limit

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	Value	Unit	Method	Accreditation
Magnesium (Mg)	0.02	mg/L	Sous-traitance	Yes
Manganese (Mn)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Mercury (Hg)	0.00001	mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Ammonia NH3 (non-ionized)	0.01	mg N/L	Sous-traitance	-
Nickel (Ni)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Nitrate (NO3)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01	mg N/L	Sous-traitance	Yes
Ortho-Phosphate (O-PO4)	0.01	mg P/L	Sous-traitance	Yes
Total Phosphorus (P)	0.01	mg P/L	Sous-traitance	Yes
Lead (Pb)	0.0003	mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Potassium (K)	0.05	mg/L	Sous-traitance	
Salinity			Sous-traitance	
Selenium (Se)	0.001	mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Reactive silica (SiO2)		mg/L	Sous-traitance	
Sodium (Na)	0.05	mg/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Strontium (Sr)	0.005	mg/L	Sous-traitance	
dissolved Strontium (Sr)	0.005	mg/L	Sous-traitance	
Sulfate (SO4)	0.6	mg SO4/L	Sous-traitance	Yes
Thallium (Tl)	0.002	mg/L	Sous-traitance	
Dissolved thallium (Tl)	0.005	mg/L	Sous-traitance	
Titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Uranium (U)	0.001	mg/L	Sous-traitance	
Dissolved Uranium (U)	0.001	mg/L	Sous-traitance	
Vanadium (V)	0.0005	mg/L	Sous-traitance	Yes
Dissolved Vanadium	0.0005	mg/L	Sous-traitance	
Zinc (Zn)	0.001	mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001	mg/L	Sous-traitance	

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 151 Accuracy 95.9% Limit 123 - 167
Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 1.17 Accuracy 83% Limit 0.800 - 1.200
Antimony (Sb) mg/L	Blank <0.0001 Standard name C00-046-705_X_1000 Result 0.0109 Accuracy 91% Limit 0.0080 - 0.0120
Silver (Ag) mg/L	Blank <0.0001 Standard name DMR-0483-2015-Ag Result 0.8008 Accuracy 89.4% Limit 0.579 - 0.869
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0797 Accuracy 79.7% Limit 0.0700 - 0.1300
Ammonia nitrogen (NH ₃ -NH ₄) m	Blank <0.01 Standard name DMR-0791-2015-NH ₃ Result 10.1 Accuracy 100% Limit 8.6 - 11.6
Kjeldahl nitrogen mg N/L	Blank <0.05 Standard name DMR-0483-2015-NTK Result 9.13 Accuracy 93.7% Limit 8.28 - 11.20
Barium (Ba) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1055 Accuracy 94.5% Limit 0.0800 - 0.1200
Beryllium (Be) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1166
	Accuracy 83.4%
	Limit 0.0800 - 0.1200
Boron (B) mg/L	Blank <0.01
	Standard name C00-046-705_X_1000
	Result 1.17
	Accuracy 83%
	Limit 0.800 - 1.200
Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.10486
	Accuracy 95.1%
	Limit 0.0800 - 0.1200
Calcium (Ca) mg/L	Blank <0.03
	Standard name C00-046-705_X_1000
	Result 1.07
	Accuracy 93%
	Limit 0.800 - 1.200
Dissolved Organic Carbon (D.O.C.) mg/L	Blank 0.2
	Standard name COD 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Total Organic Carbon (T.O.C.) mg/L	Blank 0.2
	Standard name COT 10mg/L
	Result 11
	Accuracy 90%
	Limit 8 - 12
Chloride mg/L	Blank <0.5
	Standard name DMR-0791-2015-Cl
	Result 103
	Accuracy 95.4%
	Limit 95 - 121
Chrome (Cr) mg/L	Blank <0.0006
	Standard name C00-046-705_X_1000
	Result 0.1041
	Accuracy 95.9%
	Limit 0.0800 - 0.1200
Copper (Cu) mg/L	Blank <0.0005

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
	Standard name C00-046-705_X_1000
	Result 0.1123
	Accuracy 87.7%
	Limit 0.0800 - 0.1200
Cyanide W.A.D. mg/L	Blank <0.005
	Standard name Cep-33-Ech-2
	Result 1.60
	Accuracy 90.9%
	Limit 1.4960 - 2.0240
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0792-2015-6
	Result 0.0750
	Accuracy 92%
	Limit 0.0693 - 0.0937
Hardness mg CaCO ₃ /L	Blank <1
Tin (Sn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.102
	Accuracy 98%
	Limit 0.0800 - 0.1200
Iron (Fe) mg/L	Blank <0.01
	Standard name DMR-0640-2015-26
	Result 15.8
	Accuracy 89.5%
	Limit 11.4 - 17.2
Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.923
	Accuracy 90.9%
	Limit 0.677 - 1.015
	Sample duplicate 0.020-0.020
Dissolved Lithium (Li) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 0.809
	Accuracy 95.6%
	Limit 0.677 - 1.015
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L
	Result 21
	Accuracy 84%

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
Magnesium (Mg) mg/L	Limit 19 - 31
	Blank <0.02
	Standard name C00-046-705_X_1000
	Result 0.85
	Accuracy 85%
Manganese (Mn) mg/L	Limit 0.800 - 1.200
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1085
	Accuracy 91.5%
Mercury (Hg) mg/L	Limit 0.0800 - 0.1200
	Blank <0.00001
	Standard name DMR-0791-2015-Eu
	Result 0.00060
	Accuracy 95.2%
Dissolved Mercury (Hg) mg/L	Limit 0.00038 - 0.00088
	Blank <0.00001
	Standard name DMR-0791-2015-Eu
	Result 0.00045
	Accuracy 71.4%
Molybdenum (Mo) mg/L	Limit 0.00038 - 0.00088
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1029
	Accuracy 97.1%
Ammonia NH3 (non-ionized) mg	Limit 0.0800 - 0.1200
	Blank <0.01
Nickel (Ni) mg/L	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1087
	Accuracy 91.3%
Nitrite (NO2) mg N/L	Limit 0.0800 - 0.1200
	Blank <0.01
	Standard name DMR-0791-2015-NO2
	Result 1.93
	Accuracy 95.5%
Lead (Pb) mg/L	Limit 1.72 - 2.32
	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.1037

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter	
Potassium (K) mg/L	Accuracy 96.3%
	Limit 0.0800 - 0.1200
	Blank <0.05
	Standard name C00-046-705_X_1000
	Result 0.97
Selenium (Se) mg/L	Accuracy 97%
	Limit 0.800 - 1.200
	Blank <0.001
	Standard name C00-046-705_X_1000
Sodium (Na) mg/L	Result 0.092
	Accuracy 92%
	Limit 0.0800 - 0.1200
	Blank <0.05
Strontium (Sr) mg/L	Standard name C00-046-705_X_1000
	Result 1.05
	Accuracy 95%
	Limit 0.800 - 1.200
dissolved Strontium (Sr) mg/L	Blank <0.005
	Standard name DMR-0640-2015-26
	Result 1.27
	Accuracy 99.2%
Sulfate (SO4) mg SO4/L	Limit 1.02 - 1.54
	Sample duplicate 0.204-0.204
	Blank <0.005
	Standard name DMR-0640-2015-26
Thallium (Tl) mg/L	Result 1.30
	Accuracy 98.4%
	Limit 1.02 - 1.54
	Blank <0.6
Dissolved thallium (Tl) mg/L	Standard name DMR-0839-2015-SO4
	Result 137
	Accuracy 91.3%
	Limit 113 - 139
	Blank <0.005
	Standard name TI-S140909023-1000ppm
	Result 907
	Accuracy 90.7%
	Limit 800 - 1200
	Sample duplicate <0.005-<0.005
	Blank <0.005

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Quality control Report

Lab number: V-50563

Sample name: GW-Pit E3 B6

Sampling location: Pit E3

Sampling date: December 17, 2015

Sampling hour: 18:30

Parameter

Standard name TI-S140909023-1000ppm

Result 875

Accuracy 87.5%

Limit 800 - 1200

Titanium (Ti) mg/L

Blank <0.01

Uranium (U) mg/L

Blank <0.001

Standard name C00-046-705_X_1000

Result 0.107

Accuracy 93%

Limit 0.0800 - 0.1200

Vanadium (V) mg/L

Blank <0.0005

Standard name C00-046-705_X_1000

Result 0.1058

Accuracy 94.2%

Limit 0.0800 - 0.1200

Zinc (Zn) mg/L

Blank <0.001

Standard name C00-046-705_X_1000

Result 0.107

Accuracy 93%

Limit 0.0800 - 0.1200

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Additional information

Lab number: V-50563
Sample name: GW-Pit E3 B6
Sampling location: Pit E3

Sampling date: December 17, 2015
Sampling hour: 18:30

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-P-2.0	MA.303-P 1.1
M-P-3.0	MA. 315-P 2.0
M-SULF-2.0	MA.300-Ions 1.3

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