

Appendix D1

Report: All Weather Private Access Road: 2012 Water Quality Management Report

AGNICO-EAGLE MINES: MEADOWBANK DIVISION

**ALL WEATHER ACCESS ROAD:
2012 WATER QUALITY MANAGEMENT REPORT**

MARCH 2013

AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT

EXECUTIVE SUMMARY

Agnico-Eagle Mines Ltd. (AEM) is responsible to manage erosion, water quality, and the introduction of sediment along the 110 km all weather access road (AWAR) that connects the Hamlet of Baker Lake to the Meadowbank mine site. As in the past, the 2012 AWAR water quality management consisted of routine and event inspections at all of the crossings pre-freshet and post-freshet for potential or current erosional issues at all stream crossings. Water quality monitoring focused on all major crossings, and surface water sample collection at HADD crossings, during the months of June and July.

HADD crossings R02, R06, R09 and R15 water quality monitoring results continue to suggest an improvement from post AWAR construction as mine related road activity did not cause any observable effects on the receiving environment from the field observations and water chemistry data collected in 2012. Consistent with 2011, the AWAR surface water quality results did not present concerns to the receiving environment as none of the parameters exceeded CCME (2007) in 2012. Based on the monitoring results, the road construction material appears to be stabilized, therefore it is recommended that unless turbidity issues are visually observed, surface water chemistry sampling will not be conducted. If in the future, an erosional issue occurs, detailed monitoring should be conducted in response to the event. As per the recommendations in 2011, it is recommended that quarry surface water sampling should not be completed in the future, as follow-up water sampling has not provided evidence of geochemical issues in the quarries. Sampling should be conducted in or near the quarries if there is a significant change in the quarries (i.e. progressive reclamation) that could alter current drainage patterns).

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**

TABLE OF CONTENTS

SECTION 1 •	INTRODUCTION AND OBJECTIVES	2
SECTION 2 •	AWAR TURBIDITY AND EROSION MONITORING	5
2.1	June Water Quality Monitoring	5
2.2	July Water Quality Monitoring	5
SECTION 3 •	AWAR WATER QUALITY MONITORING	7
3.1	HADD Crossing Surface Water Quality Results	7
3.2	HADD Crossing Discussion	7
SECTION 4 •	QUALITY ASSURANCE AND QUALITY CONTROL	10
4.1	Objectives	10
4.2	Results and Discussion	10
SECTION 5 •	CONCLUSIONS AND RECOMMENDATIONS	12
SECTION 6 •	REFERENCES	13

List of Appendices

APPENDIX A: Photo Documentation

APPENDIX B: Field Sheets

APPENDIX C: Laboratory Certificate of Analysis: ALS Laboratories Winnipeg

SECTION 1 • INTRODUCTION AND OBJECTIVES

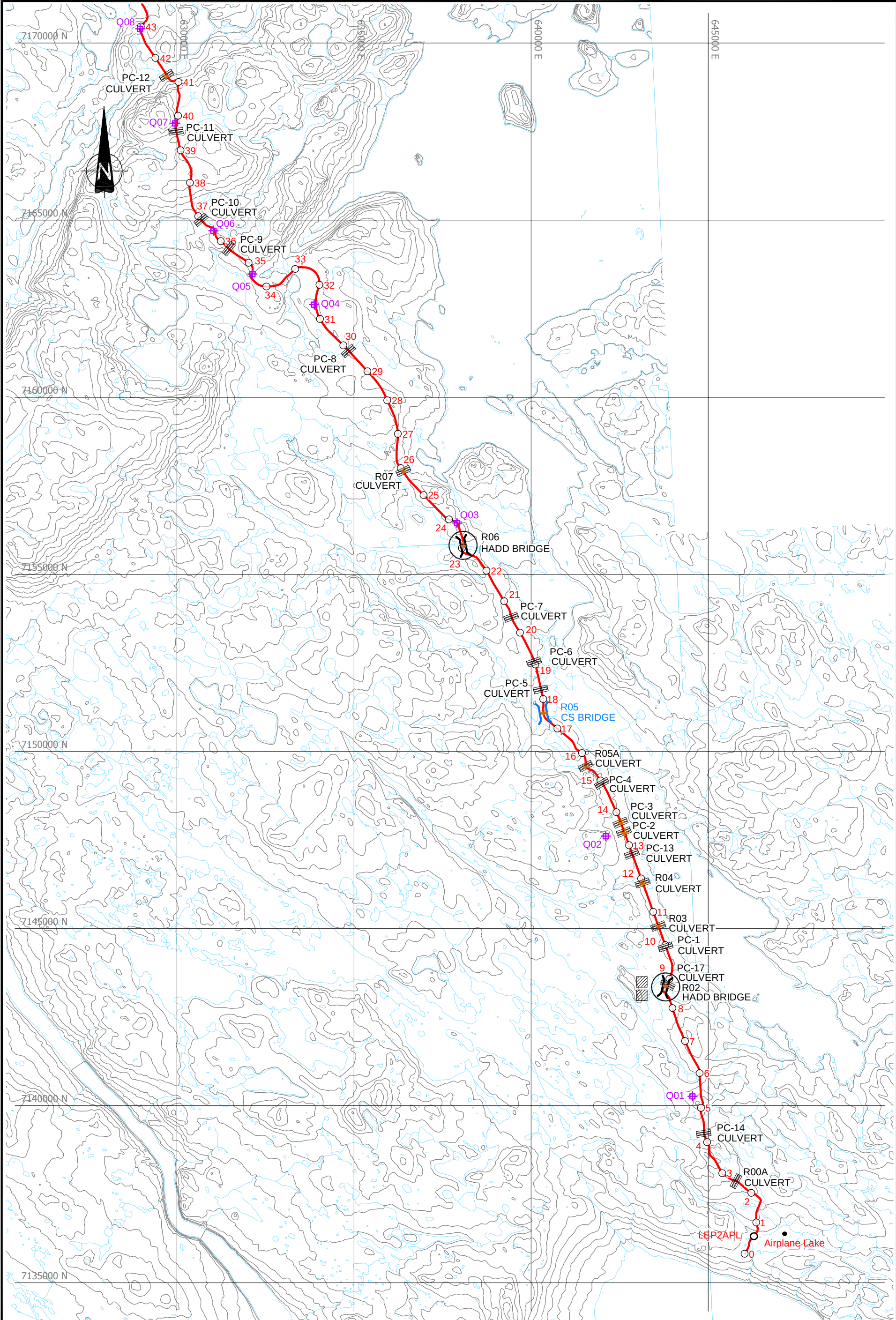
Agnico-Eagle Mines Ltd. (AEM) is responsible to manage erosion, water quality, and the introduction of sediment along the 110 km all weather access road (AWAR) that connects the Hamlet of Baker Lake to the Meadowbank mine site. As part of the water quality management, AEM personnel completed routine and event inspections at all of the crossings pre-freshet and post-freshet. The purpose of the monitoring is to prevent and manage erosion at all stream crossings, and completed routine water quality monitoring at all large crossings pre-freshet and post-freshet.

The approach taken in 2012 to evaluate and monitor erosion along the AWAR, adopted recommendations established in the 2011 AWAR Water Quality Management Report. All crossings were visually inspected for erosion and turbidity on a weekly basis during freshet and immediately after freshet (late June to early July). If turbidity was observed during the remainder of the open water season, the characteristics of the plume were monitored at the respective locations and if warranted, water samples were collected for laboratory analysis.

Water quality sampling was primarily focused on crossings that are considered fish-bearing watercourses where permitted Habitat Altered, Destructed or Disturbed (HADD) for bridge and road construction had occurred (See Fig. 1 for sample locations). In 2012, water samples were collected once during freshet at four HADD crossings and one additional crossing that flows through hamlet installed culverts adjacent to Airplane Lake, and drains from the hamlet *landfill pond* into Airplane Lake. These samples were collected immediately upstream and downstream of the respective crossings. Based on the recommendations of the 2011 AWAR Water Quality Management Report, samples were not collected at quarries or other crossings along the AWAR.

This report documents the 2012 AWAR water quality management and reports the: AWAR turbidity and erosion monitoring, AWAR watercourse crossing water quality, QA/ QC, provides the field and laboratory results and a discussion of the results.

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LEGEND

- CULVERT
- HADD BRIDGE
- CLEAR-SPAN BRIDGE
- HOOP NETS INSTALLED
- LARVAL DRIFT TRAP
- EXISTING QUARRY
- KILOMETER MARKER

REFERENCES

- 1) ROAD ALIGNMENT, BRIDGE, CULVERT AND QUARRY LOCATIONS FROM NUNA M&T SERVICES Ltd.
- 2) BASE DRAWING FROM GOLDER ASSOCIATES Ltd.

PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK DIVISION

TITLE

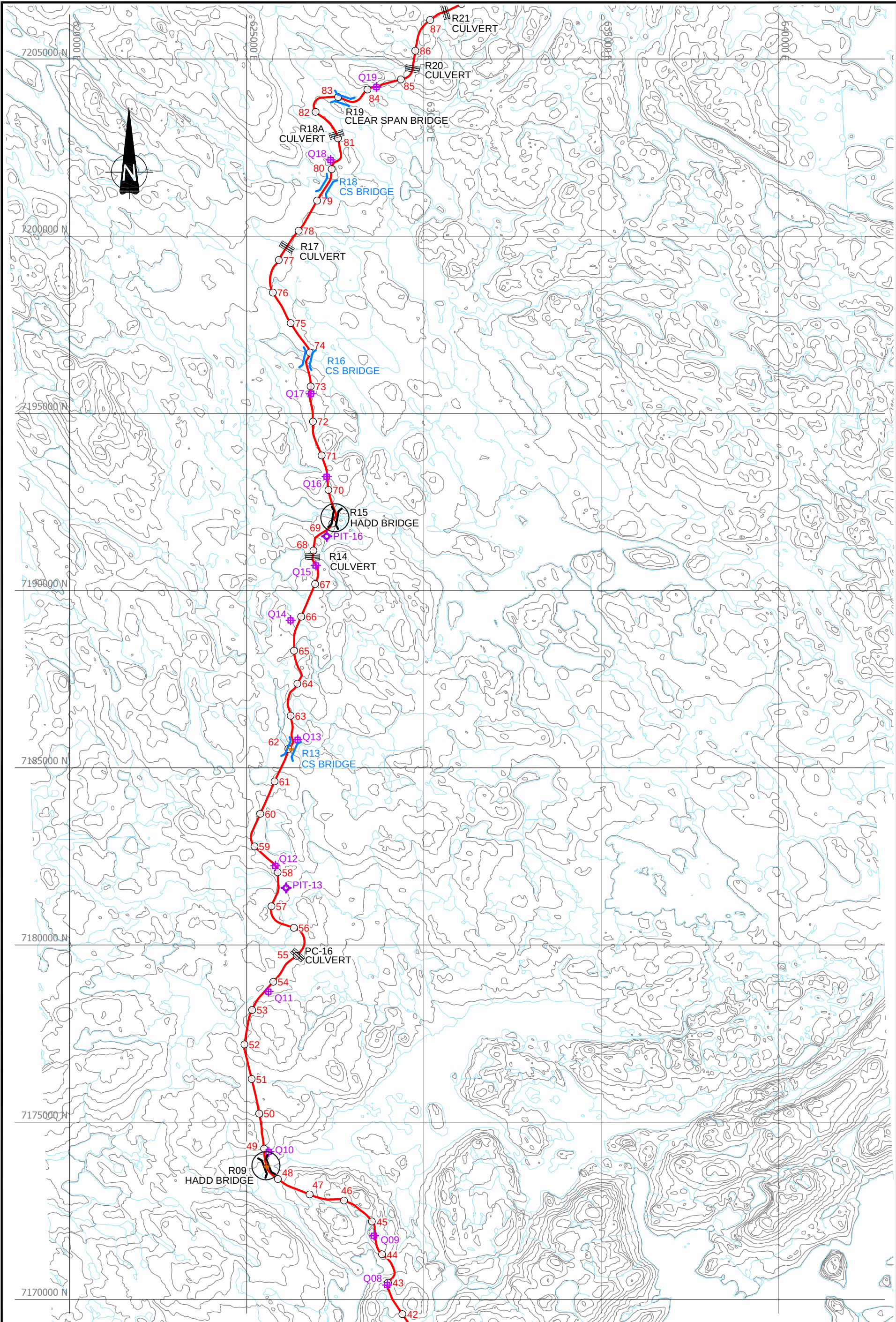
ALL-WEATHER PRIVATE ACCESS ROAD
2008 MONITORING LOCATIONS

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FIGURE 1a

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LEGEND

- CULVERT
- HADD BRIDGE
- CLEAR-SPAN BRIDGE
- HOOP NETS INSTALLED
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REFERENCES

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PROJECT

AEM

AGNICO-EAGLE MINES LIMITED
MEADOWBANK DIVISION

TITLE

ALL-WEATHER PRIVATE ACCESS ROAD
2008 MONITORING LOCATIONS

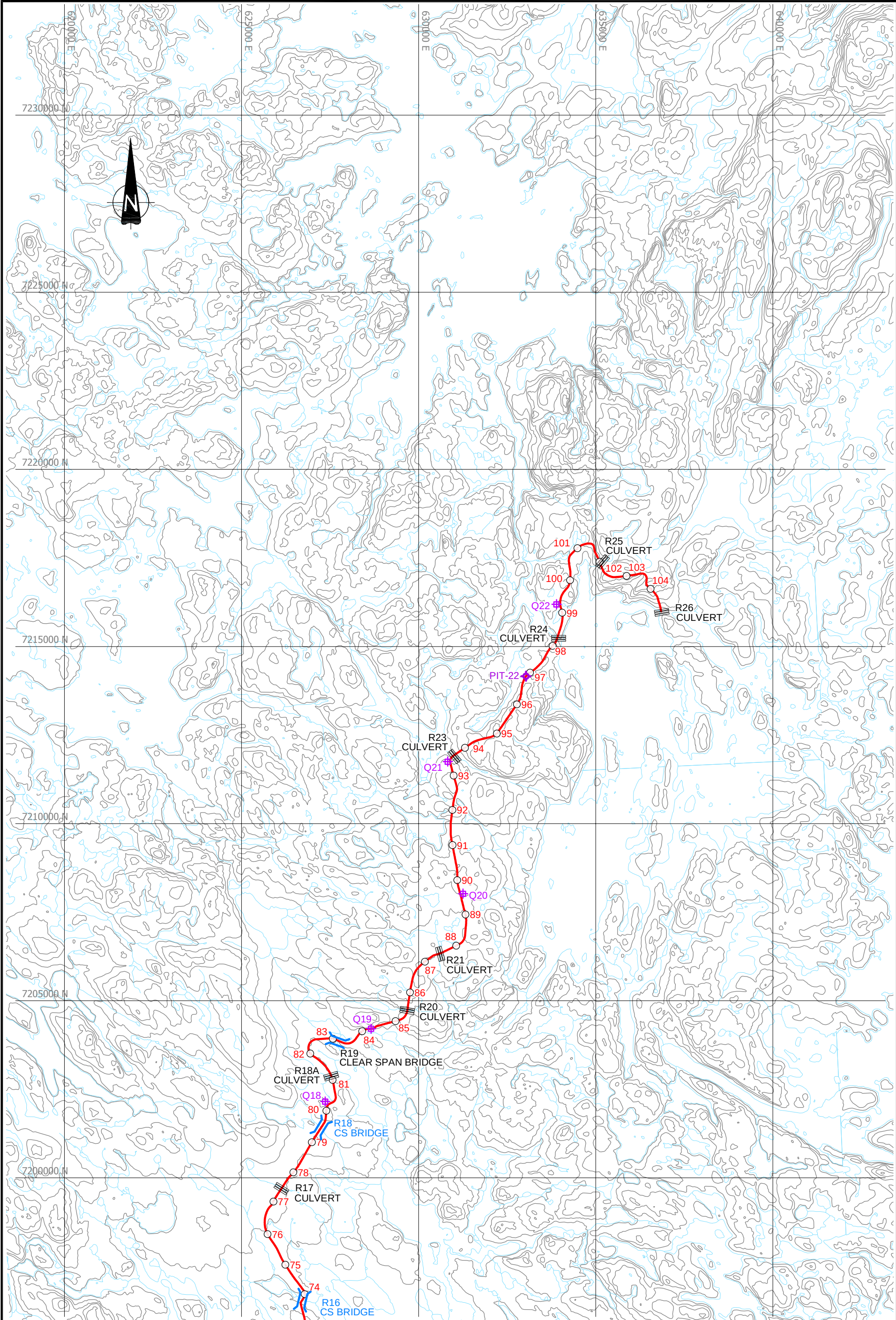
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FIGURE 1b

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LEGEND

- CULVERT
- HADD BRIDGE
- CLEAR-SPAN BRIDGE
- HOOP NETS INSTALLED
- LARVAL DRIFT TRAP
- EXISTING QUARRY
- KILOMETER MARKER

REFERENCES

- ROAD ALIGNMENT, BRIDGE, CULVERT AND QUARRY LOCATIONS FROM NUNA M&T SERVICES Ltd.
- BASE DRAWING FROM GOLDER ASSOCIATES Ltd.

PROJECT	AEM AGNICO-EAGLE MINES LIMITED MEADOWBANK DIVISION		
	TITLE ALL-WEATHER PRIVATE ACCESS ROAD 2008 MONITORING LOCATIONS		
	PROJECT No.		FILE No. 0714130119-1000_B_Fig-03
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FIGURE 1c			

SECTION 2 • AWAR TURBIDITY AND EROSION MONITORING

2.1 JUNE WATER QUALITY MONITORING

On June 5, 2012 the first observations of spring freshet along the AWAR took place at KM5 and KM82. At both of these locations, water began to cross the road. At this time, the road maintenance crew took the necessary steps such as clearing snow near the bridge crossings to limit the erosional concerns that may occur during elevated freshet water flows. On June 7th, the first streams R15 was observed to be flowing. On June 9th, all of the remaining crossings were flowing.

On June 18, 2012, field staff conducted a thorough visual erosion inspection along the AWAR as well they collected velocity and depth measurements (See Appendix A photos). No potential concerns or observable plumes were noted and all banks at the major and minor crossings appeared stable. The 2012 photo documentation shows considerably less snow accumulation along the banks of crossings R02, R06, R09, and R15 than in 2011.

On June 19, 2012, water quality monitoring and sampling took place at all HADD crossings along the AWAR. The monitoring focused on water quality downstream compared to upstream water quality. Monitoring measurements and visual observations at this time did not indicate any water quality issues or potential that might impact nearby receiving environments. Follow up erosion inspection, velocity/depth measurements, and water monitoring on June 24, 2012 did not indicate any potential for erosional concern as stream banks appeared stabilized. Based on the recommendations of the 2011 annual report, quarries along the AWR were not inspected or sampled.

Table 2.1 summarizes the erosion observations for the month of June. Table 2.2 summarizes the monitoring data collected on June 19th, 2012.

2.2 JULY WATER QUALITY MONITORING

In July, field staff completed a weekly visual inspection along the AWR for any potential water quality issues such as erosion potential and turbidity plumes. No visual concerns were evident or reported.

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MANAGEMENT REPORT

Table 2.1: 2012 AWAR Erosion Inspections Summary

Date	Flow	Erosional Concern	Visual Turbidity Observed	Where	Additional Comments	Field Crew
5-Jun-12	N	N	N	KM82	Water crossing the road from melting snow	SC
5-Jun-12	N	N	N	KM5	Water crossing the road from melting snow	SC
18-Jun-12	Y	N	N	KM9	Photo 159 and 160	TT
18-Jun-12	Y	N	N	KM15	Water moving through Culvert	TT
18-Jun-12	Y	N	N	KM17	Photos 161, 162, 163, 164	TT
18-Jun-12	Y	N	N	KM22	No Visible sheen, Photos 157-160	TT
18-Jun-12	Y	N	N	KM25.5	Water moving through Culvert	TT
18-Jun-12	N	N	N	KM38	Culvert nearly dry - little run off	TT
18-Jun-12	Y	N	N	KM49	Photos 150 - 153	TT
18-Jun-12	Y	N	N	KM69	Photos 148-149	TT
18-Jun-12	Y	N	N	KM82	Photos 146-147	TT
24-Jun-12	Y	N	N	KM49	1 small standing pool of water off to the NW side of bridge	TT
24-Jun-12	Y	N	N	KM22	No Visible sheen	TT
24-Jun-12	N	N	N	KM15	Small standing pool of water at base of culvert	TT
24-Jun-12	Y	N	N	KM9	Water moving through culverts	TT
24-Jun-12	N	N	N	KM5	Small standing pool of water	TT

Table 2.2: AWPAR Water Monitoring Data Summary 2012

Date	Location ID	Temperature (°C)	Conductivity us/cm	Turbidity/NTU	Field Crew
19-Jun-12	R02 US	3.09	36	0.39	TT
19-Jun-12	R02 DS	4.10	38	0.44	TT
19-Jun-12	R06 US	4.22	28	0.66	TT
19-Jun-12	R06 DS	4.17	28	0.67	TT
19-Jun-12	R09 US	5.08	43	0.37	TT
19-Jun-12	R09 DS	4.97	43	0.34	TT
19-Jun-12	R15 US	4.17	11	0.67	TT
19-Jun-12	R15 DS	4.04	11	0.72	TT

SECTION 3 • AWAR WATER QUALITY MONITORING

Water quality sampling was completed together with the water quality monitoring along the AWAR. In total, 10 water quality samples were collected by qualified technicians and submitted to ALS Laboratories Winnipeg, Man. (a CALA certified laboratory). Sampling locations are illustrated in Figure 1 and involved the collection of water samples upstream (US which provides a reference for the potential effects downstream of the AWAR crossing) and immediately downstream (DS) at all of the HADD crossings. All water quality results for the watercourses are presented in Table 3.1.

3.1 HADD CROSSING SURFACE WATER QUALITY RESULTS

Water samples were collected US and DS on June 19, 2012 at clear span bridge R02, R06, R09, R15 and LFP2APL (located at a Hamlet installed culvert that drains from the pond next to the Baker Lake Landfill into Airplane lake). Samples were analyzed for general parameters (pH, Conductivity, Hardness, Alkalinity, Total Suspended Solids, Total Dissolved Solids and Turbidity), anions, nutrients, and total metals. Results are presented in Table 3.1. The 2012 analytical water chemistry results indicated that no parameters exceeded the Canadian Council of Ministers of the Environment (CCME, 2007) guidelines for the protection of aquatic life at all AEM constructed HADD crossings.

3.2 HADD CROSSING DISCUSSION

The results from the June 19th sampling event indicate that no parameters exceeded the CCME (2007) guidelines in 2012 at stations along the AWAR. The samples collected upstream and downstream of the hamlet installed and maintained culvert (identified as station LFP2APL) exceeded total phosphorus and copper CCME (2007) guidelines. These samples were taken to assist in informing fisheries management and contingency compensation options in collaboration with the Department of Fisheries and Oceans; the results at this location are not within the scope of AEM AWAR monitoring program and are therefore not considered exceedances due to AEM related road construction. It should be noted that Phosphorus detection limits were above the CCME guidelines; as a result, the laboratory was contacted to improve detection limits for future sampling.

The 2007 and 2008 AWAR water quality monitoring results at HADD crossings (AEM, 2008 & 2009a) demonstrated few exceedances of CCME (2007) for total metals (AEM, 2010). In 2007, CCME (2007) for Al and pH guideline values were slightly exceeded at R09 US and DS. In 2008, CCME (2007) for Cr, Cu and Se guideline values were exceeded at R02US & R02 DS, R09 US & DS, and R15 US & DS. The 2011 and 2012 water chemistry results did not exceed any of the limits, therefore the data suggests an improvement from post construction water quality.

Table 3.1 AWAR Monitoring Water Chemistry Results

Sample ID Location Description Date Sampled Time Sampled ALS Sample ID Matrix	CCME 2007 Guidelines	LEP2APL US Hamlet Culvert 19-JUN-12 10:00 L1167267-1 Water	LEP2APL DS Hamlet culvert 19-JUN-12 09:30 L1167267-2 Water	R02 US AWR HADD 19-JUN-12 10:50 L1167267-5 Water	R02 DS AWR HADD 19-JUN-12 10:30 L1167267-6 Water	R06 US AWR HADD 19-JUN-12 11:45 L1167267-7 Water	R06 DS AWR HADD 19-JUN-12 11:35 L1167267-8 Water	R09 US AWR HADD 19-JUN-12 12:25 L1167267-9 Water	R09 DS AWR HADD 19-JUN-12 12:35 L1167267-10 Water	R15 US AWR HADD 19-JUN-12 13:45 L1167267-11 Water	R15 DS AWR HADD 19-JUN-12 13:25 L1167267-12 Water
Physical Tests											
Conductivity	NG	93	93	45	45	35	36	49	49	<20	<20
Total Suspended Solids	NG	90.4	18.2	2.6	2.2	<2.0	<2.0	11.2	3.0	35.2	9.2
Total Dissolved Solids	NG	52.0	52.0	28.0	26.0	26.0	20.0	38.0	26.0	6.0	10.0
Turbidity	NG	2.20	2.28	0.49	0.45	0.68	0.79	0.45	0.68	0.71	0.72
Anions and Nutrients											
Ammonia, Total (as N)	See fact sheet	2.57	2.54	0.042	0.018	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloride	NG	5.76	5.69	3.61	3.59	3.16	3.13	1.90	1.91	0.99	0.99
Fluoride	NG	0.045	0.045	0.024	0.024	<0.020	<0.020	<0.020	<0.020	0.042	0.041
Nitrate and Nitrite as N	290000	0.307	0.327	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070
Nitrate-N	NG	0.293	0.312	0.0113	0.0123	0.0239	0.0298	0.0055	0.0060	0.0080	0.0073
Nitrite-N	NG	0.0139	0.0144	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Kjeldahl Nitrogen	NG	3.10	2.98	0.214	0.196	0.155	0.164	0.192	0.189	0.169	0.175
Phosphorus (P)-Total	0.004	0.318	0.317	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Sulfate	NG	3.88	3.81	1.37	1.37	1.51	1.50	3.07	3.07	1.20	1.21
Organic / Inorganic Carbon											
Dissolved Organic Carbon	NG	6.8	6.7	4.7	3.8	3.9	3.7	4.1	4.2	4.0	4.2
Total Organic Carbon	NG	7.0	6.8	4.0	3.9	3.8	3.5	4.2	4.0	4.1	4.1

Table 3.1 AWAR Monitoring Water Chemistry Results

Sample ID		LEP2APL US	LEP2APL DS	R02 US	R02 DS	R06 US	R06 DS	R09 US	R09 DS	R15 US	R15 DS
Location Description		Hamlet Culvert	Hamlet culvert	AWR HADD	AWR HADD	AWR HADD	AWR HADD	AWR HADD	AWR HADD	AWR HADD	AWR HADD
Date Sampled		19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12	19-JUN-12
Time Sampled		10:00	09:30	10:50	10:30	11:45	11:35	12:25	12:35	13:45	13:25
ALS Sample ID		L1167267-1	L1167267-2	L1167267-5	L1167267-6	L1167267-7	L1167267-8	L1167267-9	L1167267-10	L1167267-11	L1167267-12
Matrix		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
CCME 2007 Guidelines											
Total Metals											
Aluminum (Al)-Total	0.1 @ pH>6.5	0.0619	0.0158	0.0151	0.0111	0.0065	0.0230	0.0167	0.0172	0.0389	0.0387
Antimony (Sb)-Total	NG	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic (As)-Total	0.005	0.00043	0.00041	<0.00020	<0.00020	<0.00020	<0.00020	0.00021	<0.00020	<0.00020	<0.00020
Barium (Ba)-Total	NG	0.0169	0.0152	0.0129	0.0129	0.00319	0.00298	0.00298	0.00281	0.00298	0.00298
Beryllium (Be)-Total	NG	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth (Bi)-Total	NG	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron (B)-Total	NG	0.022	0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	0.00017	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium (Ca)-Total	NG	5.73	5.64	4.39	4.51	2.99	2.92	5.00	5.25	1.11	1.02
Cesium (Cs)-Total	NG	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium (Cr)-Total	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt (Co)-Total	NG	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper (Cu)-Total	0.002 @ hrdns <120mg/L	0.00357	0.00266	0.00099	0.00119	0.00117	0.00129	0.00147	0.00146	0.00133	0.00133
Iron (Fe)-Total	0.3	0.28	0.15	0.022	0.024	<0.010	0.011	0.031	0.027	0.026	0.028
Lead (Pb)-Total	0.001 @ hrdns <60 mg/L	0.000129	<0.000090	0.000121	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090
Lithium (Li)-Total	NG	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Magnesium (Mg)-Total	NG	1.23	1.15	0.908	0.916	0.925	0.860	1.50	1.56	0.739	0.708
Manganese (Mn)-Total	NG	0.0439	0.0405	0.00380	0.00443	0.00325	0.00569	0.00441	0.00396	0.00150	0.00163
Mercury (Hg)-Total	NG	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Molybdenum (Mo)-Total	0.073	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel (Ni)-Total	0.025 @ hrdns <60mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Phosphorus (P)-Total	NG	0.33	0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Potassium (K)-Total	NG	1.83	1.73	0.475	0.477	0.377	0.358	0.331	0.333	0.476	0.463
Rubidium (Rb)-Total	NG	0.00184	0.00175	0.00055	0.00054	0.00037	0.00037	0.00040	0.00040	0.00074	0.00072
Selenium (Se)-Total	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	NG	0.609	0.495	0.316	0.311	0.320	0.321	0.438	0.439	0.466	0.456
Silver (Ag)-Total	0.0001	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium (Na)-Total	NG	4.99	4.76	1.92	1.93	1.58	1.53	1.14	1.19	0.844	0.779
Strontium (Sr)-Total	NG	0.0250	0.0242	0.0237	0.0246	0.0144	0.0135	0.0279	0.0287	0.00857	0.00818
Tellurium (Te)-Total	NG	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Total	0.0008	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium (Th)-Total	NG	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	NG	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium (Ti)-Total	NG	0.00110	0.00022	<0.00020	0.00021	<0.00020	0.00042	0.00021	<0.00020	0.00055	0.00074
Tungsten (W)-Total	NG	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium (U)-Total	NG	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium (V)-Total	NG	0.00042	0.00034	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Zinc (Zn)-Total	0.03	0.0064	0.0084	<0.0020	<0.0020	<0.0020	0.0031	<0.0020	<0.0020	<0.0020	<0.0020
Zirconium (Zr)-Total	NG	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Notes:

NG = no guideline

¹ Canadian Water Quality Guidelines for the Protection of Aquatic Life, CCME, Update 7.0, September 2007.² Cadmium guideline calculated using measured hardness concentration per sample.³ Chromium guideline is for Cr VI, which yields the most conservative guideline.⁴ Trigger Range for Total Phosphorus (see guidance Framework for Phosphorus factsheet): ultra-oligotrophic <4 ug/L

Highlighted concentrations exceed the CCME guideline.

SECTION 4 • QUALITY ASSURANCE AND QUALITY CONTROL

4.1 OBJECTIVES

The objective of quality assurance and quality control (QA/QC) for water quality monitoring is to ensure that the chemical and field data collected are representative of the material sampled. Data quality is assured throughout the collection and analysis of samples using standard procedures, certified laboratories and by staffing with trained technicians (AEM, 2008).

Field QA/QC duplicate results were assessed using the relative percent difference (RPD) between measurements: The equation used to calculate a RPD is:

$$RPD = [(A-B)/((A+B)/2)] \times 100$$

For the purposes of QA/QC screening a RPD of 50% for concentrations that exceed 10x the Method Detection Limits (MDL) is considered unacceptable (AEM, 2008). RPD values may be either positive or negative and ideally should provide a mix of the two, with values clustered around zero. Biases may be evident if there are consistently positive or negative values. Large variations in RPD values will often occur when duplicate sample concentrations are low and near the analytical detection limit.

As outlined in AEM (2008), a target of 10% field duplicates or at least one sample per event are submitted for QA/QC analysis to assess the variability and sample homogeneity.

4.2 RESULTS AND DISCUSSION

All laboratory analysis was completed by ALS Laboratories: Winnipeg, Man which is an accredited laboratory by the Canadian Association for Laboratories Accreditation (CALA) Inc. The results met laboratory QA/QC internal data quality objectives for precision and completeness. The certificate of analyses from ALS is presented in Appendix C.

During the water chemistry sampling, one duplicate sample was taken, meeting the requirement of 10% duplicate per event, as outlined in the QA/QC plan (AEM, 2008). On June 19th, a duplicate sample was collected at LFP2APL DS culvert during the sampling event. The field QA/QC results are summarized in Table 4.2. In 2012, none of the sampled parameters taken for QA/QC that were greater than 10x the MDL, exceeded the RPD of 50%. The results of this evaluation indicate a high consistency between the original field sample and the field duplicate sample.

Table 4.2 Quality Assurance and Quality Control Results

Sample ID		LEP2APL DS	DUP 1	Relative
Date Sampled		19-JUN-12	19-JUN-12	Percent
Time Sampled		09:30	09:30	Difference
ALS Sample ID		L1167267-2	L1167267-13	(RPD)
Matrix	MDL	Water	Water	
Physical Tests				
Conductivity	20	93	93	0
Total Suspended Solids	2.0	18.2	3.2	140.19
Total Dissolved Solids	5.0	52.0	50.0	3.92
Turbidity	0.10	2.28	2.26	0.88
Anions and Nutrients				
Ammonia, Total (as N)	0.10	2.54	2.60	-2.34
Chloride	0.20	5.69	6.63	-15.26
Fluoride	0.020	0.045	0.047	-4.34
Nitrate and Nitrite as N	0.070	0.327	0.331	-1.22
Nitrate-N	0.0050	0.312	0.316	-1.27
Nitrite-N	0.0010	0.0144	0.0150	-4.08
Total Kjeldahl Nitrogen	0.050	2.98	3.09	-3.62
Phosphorus (P)-Total	0.010	0.317	0.338	-6.41
Sulfate	0.50	3.81	3.85	-1.04
Organic / Inorganic Carbon				
Dissolved Organic Carbon	1.0	6.7	6.9	-2.94
Total Organic Carbon	1.0	6.8	6.9	-1.46
Total Metals				
Aluminum (Al)-Total	0.0050	0.0158	0.0768	-131.75
Antimony (Sb)-Total	0.00020	<0.00020	<0.00020	0
Arsenic (As)-Total	0.00020	0.00041	0.00033	21.62
Barium (Ba)-Total	0.00020	0.0152	0.0170	-11.18
Beryllium (Be)-Total	0.00020	<0.00020	<0.00020	0
Bismuth (Bi)-Total	0.00020	<0.00020	<0.00020	0
Boron (B)-Total	0.010	0.020	0.025	-22.22
Cadmium (Cd)-Total	0.000010	<0.000010	<0.000010	0
Calcium (Ca)-Total	0.10	5.64	5.71	-1.23
Cesium (Cs)-Total	0.00010	<0.00010	<0.00010	0
Chromium (Cr)-Total	0.0010	<0.0010	<0.0010	0
Cobalt (Co)-Total	0.00020	<0.00020	<0.00020	0
Copper (Cu)-Total	0.10	0.00266	0.00328	-20.86
Iron (Fe)-Total	0.10	0.15	0.25	-50
Lead (Pb)-Total	0.000090	<0.000090	0.000128	0
Lithium (Li)-Total	0.0020	<0.0020	<0.0020	0
Magnesium (Mg)-Total	0.010	1.15	1.21	-5.08
Manganese (Mn)-Total	0.00030	0.0405	0.0344	16.29
Mercury (Hg)-Total	0.000010	<0.000010	<0.000010	0
Molybdenum (Mo)-Total	0.00020	<0.00020	<0.00020	0
Nickel (Ni)-Total	0.0020	<0.0020	<0.0020	0
Phosphorus (P)-Total	0.10	0.25	0.33	-27.59
Potassium (K)-Total	0.020	1.73	1.79	-3.41
Rubidium (Rb)-Total	0.00020	0.00175	0.00180	-2.82
Selenium (Se)-Total	0.0010	<0.0010	<0.0010	0
Silicon (Si)-Total	0.050	0.495	0.615	-21.62
Silver (Ag)-Total	0.00010	<0.00010	<0.00010	0
Sodium (Na)-Total	0.030	4.76	5.24	-9.6
Strontium (Sr)-Total	0.00010	0.0242	0.0254	-4.84
Tellurium (Te)-Total	0.00020	<0.00020	<0.00020	0
Thallium (Tl)-Total	0.00010	<0.00010	<0.00010	0
Thorium (Th)-Total	0.00010	<0.00010	<0.00010	0
Tin (Sn)-Total	0.00020	<0.00020	<0.00020	0
Titanium (Ti)-Total	0.00020	0.00022	0.00171	-154.41
Tungsten (W)-Total	0.00010	<0.00010	<0.00010	0
Uranium (U)-Total	0.00010	<0.00010	<0.00010	0
Vanadium (V)-Total	0.00020	0.00034	0.00036	-5.71
Zinc (Zn)-Total	0.0020	0.0084	0.0088	-4.65
Zirconium (Zr)-Total	0.00040	<0.00040	<0.00040	0

Notes:

RPD- Relative Percent Difference

RPD values in **bold** represent concentrations within 10x the MDL

Highlighted RPD values represent exceedences of QAQC objectives

SECTION 5 • CONCLUSIONS AND RECOMMENDATIONS

As in the past, the 2012 AWAR water quality management consisted of routine and event inspections at all of the crossings pre-freshet and post-freshet for potential or current erosional issues. Water quality monitoring focused on all major crossings, surface water sample collection at HADD crossings, representative watercourses during the months of June and July.

AWAR surface water quality results did not exceed CCME (2002) water quality guidelines at AEM constructed HADD crossings: R02, R06, R09 and R15. Water quality results suggested an improvement from post AWAR construction activities as mine operations road activity did not cause any observable effects on the receiving environment based on the field observations and water quality data collected in 2012. Overall, the results show road operations and activities in 2012 do not present a risk to aquatic biota.

As per the recommendations in AEM (2012), unless there are significant changes during reclamation, it is recommended that quarry surface water sampling not be completed in the future as follow-up water sampling has not provided evidence of geochemical issues in the quarries. It is recommended that water quality management along the AWAR continue in 2013 following the recommendations of AEM (2010) with a priority placed on visual identification and turbidity monitoring, as well as evaluating erosional concerns at all crossings and quarries from pre-freshet to post freshet (June – July). Given the stability of the structures and the monitoring results of 2011 and 2012, it is recommended that unless turbidity issues are visually observed, surface water chemistry sampling should not be conducted. When an erosional issue occurs, detailed monitoring should be conducted that will include at a minimum a single water chemistry sample upstream and downstream of the source. If deemed necessary, additional follow-up sampling or monitoring should be conducted.

SECTION 6 • REFERENCES

AEM (2008). Quality Assurance/ Quality Control Plan: Meadowbank Division, December 2008. Prepared by Agnico-Eagle Mines Limited- Meadowbank Division.

AEM (2008). Agnico-Eagle Mines- Meadowbank Mines: 2007 All Weather Private Access Road Annual report. Prepared by Azimuth Consulting Group.

AEM (2009a). Meadowbank Gold Project. 2008 Annual Report. Prepared by Agnico-Eagle Mines Limited- Meadowbank Division. March 2009.

AEM (2009b). Geochemical Characterization Study: All Weather Private Access Road and Airstrip Quarries. March 2009.

AEM (2010). Agnico-Eagle Mines- Meadowbank Gold Mine Annual Report Appendix C1: All Weather Private Access Road: 2009 Water Quality Management Report.

AEM (2011), Agnico-Eagle Mines – All Weather Access Road: 2010 Water Quality Management Report.

AEM (2012), Agnico-Eagle Mines – All Weather Access Road: 2011 Water Quality Management Report.

APPENDIX A

PHOTO DOCUMENTATION

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



KM 25 US Culverts – June 18, 2011

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



KM 38 US Culverts – June 18, 2011

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



Upstream view of R05 Bridge at KM 17 – June 18, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



Upstream view of R06 Bridge at KM 22/23 – June 18, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



Upstream of R09 Bridge at KM 49 – June 18, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



Downstream view of R09 Bridge at KM 49 – June 18, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



Upstream view of R15 Bridge – Jun 18, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



LFP2APL DS Culverts – June 24, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



R09 Bridge – June 24, 2012

**AEM: MEADOWBANK DIVISION
AWAR AND QUARRIES WATER QUALITY
MANAGEMENT REPORT**



Downstream view of R09 Bridge – June 24, 2012

APPENDIX B

FIELD SHEETS

Agnico Eagle Mines: Mead

Environment

[illegible]

Agnico Eagle Mines: Meadco

Environment



Field Personnel

Date: _____

Task

Scope of Work:

Comments:

Health and Safety Officer informed (specific plan in place):

Gear requirements: Nitrile gloves, water quality meter, pre-labelled bottles, field book, camera, radio

Special Requirements:

RPL 2
BL

Parameters for Analysis:

Laboratory contacted?

Yes

No

Field Personnel Signature: _____

Date: _____

Page:

of

APPENDIX C

ALS WINNIPEG LABORATORY CERTIFICATE OF ANALYSIS



Agnico-Eagle - Meadowbank Division
ATTN: RYAN VANENGEN
MEADOWBANK DIV.
P.O. BOX 540
BAKER LAKE NU X0X 0A0

Date Received: 25-JUN-12
Report Date: 01-AUG-12 14:47 (MT)
Version: FINAL

Client Phone: 867-793-4610

Certificate of Analysis

Lab Work Order #: **L1167267**
Project P.O. #: NOT SUBMITTED
Job Reference: AWR
C of C Numbers:
Legal Site Desc:

Comments: NOTE:
Insufficient sample remaining to re-analyze fractions -3 through -8 for low range Dissolved Iron.

The pH and alkalinity results were determined to be incorrect due to an instrument problem. Insufficient sample was remaining for re-analysis, therefore no results for pH or alkalinity are reported for these samples.

Gail Hill
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

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ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-1 LEP2APL US							
Sampled By: CLIENT on 19-JUN-12 @ 10:00							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	2.57	DLA	0.10	mg/L		10-JUL-12	R2396000
Chloride	5.76		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	6.8		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.045		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.293		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	0.307		0.070	mg/L		25-JUN-12	
Nitrite-N	0.0139		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	0.318		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.88		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	3.10		0.050	mg/L	02-JUL-12	04-JUL-12	R2393091
Total Dissolved Solids	52.0		5.0	mg/L		27-JUN-12	R2393411
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	7.0		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	90.4		2.0	mg/L		27-JUN-12	R2393411
Turbidity	2.20		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0619		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	0.00043		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.0169		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	0.022		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	5.73		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00357		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	0.28		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	0.000129		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	1.23		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.0439		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	0.33		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	1.83		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00184		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.609		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	4.99		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0250		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	0.00110		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-1 LEP2APL US							
Sampled By: CLIENT on 19-JUN-12 @ 10:00							
Matrix: WATER							
Total Metals by ICP-MS							
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	0.00042		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	0.0064		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0115		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	0.00041		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0162		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	0.017		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.46		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00267		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	0.12		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.12		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00418		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	0.00017		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	0.240		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	1.62		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00162		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.403		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	4.79		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0223		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	0.00030		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	0.00027		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	0.0051		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	1.49		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.75		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	93		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-2 LEP2APL DS							
Sampled By: CLIENT on 19-JUN-12 @ 09:30							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	2.54	DLA	0.10	mg/L		10-JUL-12	R2396000
Chloride	5.69		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	6.7		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.045		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.312		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	0.327		0.070	mg/L		25-JUN-12	
Nitrite-N	0.0144		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	0.317		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.81		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	2.98		0.050	mg/L	02-JUL-12	04-JUL-12	R2393091
Total Dissolved Solids	52.0		5.0	mg/L		27-JUN-12	R2393411
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	6.8		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	18.2		2.0	mg/L		27-JUN-12	R2393411
Turbidity	2.28		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0158		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	0.00041		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.0152		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	0.020		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	5.64		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00266		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	0.15		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	1.15		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.0405		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	0.25		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	1.73		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00175		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.495		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	4.76		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0242		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	0.00022		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-2 LEP2APL DS							
Sampled By: CLIENT on 19-JUN-12 @ 09:30							
Matrix: WATER							
Total Metals by ICP-MS							
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	0.00034		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	0.0084		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0110		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	0.00040		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0152		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	0.017		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.58		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00259		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	0.12		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.11		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00483		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	0.00016		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	0.251		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	1.64		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00158		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.424		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	4.77		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0222		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	0.00040		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	0.00028		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	0.0072		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	2.21		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	1.09		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	93		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-3 APL2BL US							
Sampled By: CLIENT on 19-JUN-12 @ 09:10							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	0.240		0.010	mg/L		10-JUL-12	R2396000
Chloride	5.81		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	5.8		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.034		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0438		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	0.0015		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	0.046		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.92		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.606		0.050	mg/L	02-JUL-12	04-JUL-12	R2393091
Total Dissolved Solids	38.0		5.0	mg/L		27-JUN-12	R2393411
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	5.8		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	15.4		2.0	mg/L		27-JUN-12	R2393411
Turbidity	1.87		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0366		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	0.00024		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.0399		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	5.45		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00147		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	0.16		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	1.21		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.0284		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.918		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00083		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.506		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	3.58		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0237		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	0.00062		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-3 APL2BL US							
Sampled By: CLIENT on 19-JUN-12 @ 09:10							
Matrix: WATER							
Total Metals by ICP-MS							
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	0.0026		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0050		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	0.00023		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0427		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.49		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00119		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.15		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00119		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	0.00012		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.843		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00067		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.398		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	3.57		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0200		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	3.66		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	1.78		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	69		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-4 APL2BL DS							
Sampled By: CLIENT on 19-JUN-12 @ 08:45							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	0.243		0.010	mg/L		10-JUL-12	R2396000
Chloride	5.82		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	6.1		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.035		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0435		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	0.0015		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	0.044		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.95		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.662		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	42.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.071		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	6.0		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	35.0		2.0	mg/L		27-JUN-12	R2393411
Turbidity	1.94		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0084		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	0.00024		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.0384		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	5.63		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00133		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.00020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	1.22		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.0187		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.916		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00078		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.498		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	3.64		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0241		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-4 APL2BL DS							
Sampled By: CLIENT on 19-JUN-12 @ 08:45							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	0.0023		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0049		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0434		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.40		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00104		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.15		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00121		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	0.00012		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.849		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00068		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.401		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	3.61		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0199		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	0.00021		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	0.0021		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	4.00		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	1.80		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	69		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-5 R02 US							
Sampled By: CLIENT on 19-JUN-12 @ 10:50							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	0.042		0.010	mg/L		10-JUL-12	R2396000
Chloride	3.61		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	4.7		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.024		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0113		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	1.37		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.214		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	28.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.022		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	4.0		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	2.6		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.49		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0151		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.0129		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	4.39		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00099		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	0.000121		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	0.908		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00380		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.475		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00055		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.316		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	1.92		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0237		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-5 R02 US							
Sampled By: CLIENT on 19-JUN-12 @ 10:50							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0028		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0141		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	4.19		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00042		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	0.848		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00026		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.442		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00045		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.228		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	1.89		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0197		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.58		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.33		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	45		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-6 R02 DS							
Sampled By: CLIENT on 19-JUN-12 @ 10:30							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	0.018		0.010	mg/L		10-JUL-12	R2396000
Chloride	3.59		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	3.8		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.024		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0123		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	1.37		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.196		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	26.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.024		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	3.9		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	2.2		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.45		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0111		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.0129		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	4.51		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00119		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	0.916		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00443		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.477		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00054		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.311		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	1.93		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0246		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	0.00021		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-6 R02 DS							
Sampled By: CLIENT on 19-JUN-12 @ 10:30							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0031		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0133		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	4.47		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00043		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	0.839		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00033		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.457		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00049		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.239		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	1.87		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0214		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.52		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.33		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	45		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-7 R06 US							
Sampled By: CLIENT on 19-JUN-12 @ 11:45							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	<0.010		0.010	mg/L		10-JUL-12	R2396000
Chloride	3.16		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	3.9		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	<0.020		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0239		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	1.51		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.155		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	26.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	<0.010		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	3.8		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	<2.0		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.68		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0065		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.00319		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	2.99		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00117		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	0.925		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00325		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.377		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00037		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.320		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	1.58		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0144		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-7 R06 US							
Sampled By: CLIENT on 19-JUN-12 @ 11:45							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0046		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.00304		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	3.00		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00083		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	0.821		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00030		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.357		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00033		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.248		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	1.55		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0127		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.27		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.21		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	35		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-8 R06 DS							
Sampled By: CLIENT on 19-JUN-12 @ 11:35							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	<0.010		0.010	mg/L		10-JUL-12	R2396000
Chloride	3.13		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	3.7		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	<0.020		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0298		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	1.50		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.164		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	20.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.011		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	3.5		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	<2.0		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.79		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0230		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.00298		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	2.92		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00129		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	0.860		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00569		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.358		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00037		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.321		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	1.53		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0135		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	0.00042		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-8 R06 DS							
Sampled By: CLIENT on 19-JUN-12 @ 11:35							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	0.0031		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0046		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.00314		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	2.93		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00087		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	0.823		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00034		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.427		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00033		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.251		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	1.47		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0128		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	0.0023		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.31		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.21		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	36		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-9 R09 US							
Sampled By: CLIENT on 19-JUN-12 @ 12:25							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	<0.010		0.010	mg/L		10-JUL-12	R2396000
Chloride	1.90		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	4.1		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	<0.020		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0055		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.07		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.192		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	38.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.031		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	4.2		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	11.2		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.45		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0167		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	0.00021		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.00298		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	5.00		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00147		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	1.50		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00441		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.331		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00040		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.438		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	1.14		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0279		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	0.00021		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-9 R09 US							
Sampled By: CLIENT on 19-JUN-12 @ 12:25							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0075		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.00281		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.04		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00108		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.44		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00103		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.321		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00034		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.345		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	1.14		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0241		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.33		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.13		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	49		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-10 R09 DS							
Sampled By: CLIENT on 19-JUN-12 @ 12:35							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	<0.010		0.010	mg/L		10-JUL-12	R2396000
Chloride	1.91		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	4.2		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	<0.020		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0060		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.07		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.189		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	26.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.027		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	4.0		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	3.0		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.68		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0172		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.00281		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	5.25		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00146		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	1.56		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00396		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.333		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00040		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.439		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	1.19		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.0287		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Titanium (Ti)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-10 R09 DS							
Sampled By: CLIENT on 19-JUN-12 @ 12:35							
Matrix: WATER							
Total Metals by ICP-MS							
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0078		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.00300		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	0.000011		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.07		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00113		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.42		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00119		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.338		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00035		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.372		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	1.17		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0244		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.40		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.17		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	49		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-11 R15 US							
Sampled By: CLIENT on 19-JUN-12 @ 13:45							
Matrix: WATER							
Total Metals by ICP-MS							
Titanium (Ti)-Total	0.00055		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0160		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.00304		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	1.12		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00103		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	0.682		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00050		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.463		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00065		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.358		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	0.824		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.00752		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.22		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.23		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	<20		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-12 R15 DS							
Sampled By: CLIENT on 19-JUN-12 @ 13:25							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	<0.010		0.010	mg/L		10-JUL-12	R2396000
Chloride	0.99		0.20	mg/L		25-JUN-12	R2389137
Conductivity	16.5		1.0	umhos/cm		03-JUL-12	R2391717
Dissolved Organic Carbon	4.2		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.041		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.0073		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	<0.070		0.070	mg/L		25-JUN-12	
Nitrite-N	<0.0010		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	<0.010		0.010	mg/L		27-JUN-12	R2389738
Sulfate	1.21		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	0.175		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	10.0		5.0	mg/L		27-JUN-12	R2393411
Iron (Fe)-Total	0.028		0.010	mg/L		11-JUL-12	R2395850
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	4.1		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	9.2		2.0	mg/L		27-JUN-12	R2393411
Turbidity	0.72		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0387		0.0050	mg/L	26-JUN-12	28-JUN-12	R2390210
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Arsenic (As)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Barium (Ba)-Total	0.00298		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Boron (B)-Total	<0.010		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	26-JUN-12	28-JUN-12	R2390210
Calcium (Ca)-Total	1.02		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Copper (Cu)-Total	0.00133		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Iron (Fe)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Lead (Pb)-Total	<0.000090		0.000090	mg/L	26-JUN-12	28-JUN-12	R2390210
Lithium (Li)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Magnesium (Mg)-Total	0.708		0.010	mg/L	26-JUN-12	28-JUN-12	R2390210
Manganese (Mn)-Total	0.00163		0.00030	mg/L	26-JUN-12	28-JUN-12	R2390210
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Phosphorus (P)-Total	<0.10		0.10	mg/L	26-JUN-12	28-JUN-12	R2390210
Potassium (K)-Total	0.463		0.020	mg/L	26-JUN-12	28-JUN-12	R2390210
Rubidium (Rb)-Total	0.00072		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Selenium (Se)-Total	<0.0010		0.0010	mg/L	26-JUN-12	28-JUN-12	R2390210
Silicon (Si)-Total	0.456		0.050	mg/L	26-JUN-12	28-JUN-12	R2390210
Silver (Ag)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Sodium (Na)-Total	0.779		0.030	mg/L	26-JUN-12	28-JUN-12	R2390210
Strontium (Sr)-Total	0.00818		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Thorium (Th)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Tin (Sn)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-12 R15 DS							
Sampled By: CLIENT on 19-JUN-12 @ 13:25							
Matrix: WATER							
Total Metals by ICP-MS							
Titanium (Ti)-Total	0.00074		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Tungsten (W)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Uranium (U)-Total	<0.00010		0.00010	mg/L	26-JUN-12	28-JUN-12	R2390210
Vanadium (V)-Total	<0.00020		0.00020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zinc (Zn)-Total	<0.0020		0.0020	mg/L	26-JUN-12	28-JUN-12	R2390210
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	26-JUN-12	28-JUN-12	R2390210
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0165		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.00321		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	<0.010		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	1.15		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00098		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	<0.10		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	0.686		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00054		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	<0.030		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	0.465		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00060		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.365		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	0.827		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.00753		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.30		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.29		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	<20		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-13 DUP 1							
Sampled By: CLIENT on 19-JUN-12 @ 09:30							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia, Total (as N)	2.60	DLA	0.10	mg/L		10-JUL-12	R2396000
Chloride	6.63		0.20	mg/L		25-JUN-12	R2389137
Dissolved Organic Carbon	6.9		1.0	mg/L	06-JUL-12	06-JUL-12	R2394351
Fluoride	0.047		0.020	mg/L		25-JUN-12	R2389137
Nitrate-N	0.316		0.0050	mg/L		25-JUN-12	R2389137
Nitrate and Nitrite as N	0.331		0.070	mg/L		25-JUN-12	
Nitrite-N	0.0150		0.0010	mg/L		25-JUN-12	R2389137
Phosphorus (P)-Total	0.338		0.010	mg/L		27-JUN-12	R2389738
Sulfate	3.85		0.50	mg/L		25-JUN-12	R2389137
Total Kjeldahl Nitrogen	3.09		0.050	mg/L	03-JUL-12	05-JUL-12	R2393252
Total Dissolved Solids	50.0		5.0	mg/L		27-JUN-12	R2393411
Mercury (Hg)-Total	<0.000010		0.000010	mg/L		04-JUL-12	R2392548
Total Organic Carbon	6.9		1.0	mg/L	06-JUL-12	06-JUL-12	R2394347
Total Suspended Solids	3.2		2.0	mg/L		27-JUN-12	R2393411
Turbidity	2.26		0.10	NTU		26-JUN-12	R2388662
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.0768		0.0050	mg/L	27-JUN-12	27-JUN-12	R2389525
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Arsenic (As)-Total	0.00033		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Barium (Ba)-Total	0.0170		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Boron (B)-Total	0.025		0.010	mg/L	27-JUN-12	27-JUN-12	R2389525
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	27-JUN-12	27-JUN-12	R2389525
Calcium (Ca)-Total	5.71		0.10	mg/L	27-JUN-12	27-JUN-12	R2389525
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525
Chromium (Cr)-Total	<0.0010		0.0010	mg/L	27-JUN-12	27-JUN-12	R2389525
Cobalt (Co)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Copper (Cu)-Total	0.00328		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Iron (Fe)-Total	0.25		0.10	mg/L	27-JUN-12	27-JUN-12	R2389525
Lead (Pb)-Total	0.000128		0.000090	mg/L	27-JUN-12	27-JUN-12	R2389525
Lithium (Li)-Total	<0.0020		0.0020	mg/L	27-JUN-12	27-JUN-12	R2389525
Magnesium (Mg)-Total	1.21		0.010	mg/L	27-JUN-12	27-JUN-12	R2389525
Manganese (Mn)-Total	0.0344		0.00030	mg/L	27-JUN-12	27-JUN-12	R2389525
Molybdenum (Mo)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	27-JUN-12	27-JUN-12	R2389525
Phosphorus (P)-Total	0.33		0.10	mg/L	27-JUN-12	27-JUN-12	R2389525
Potassium (K)-Total	1.79		0.020	mg/L	27-JUN-12	27-JUN-12	R2389525
Rubidium (Rb)-Total	0.00180		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Selenium (Se)-Total	<0.0010		0.0010	mg/L	27-JUN-12	27-JUN-12	R2389525
Silicon (Si)-Total	0.615		0.050	mg/L	27-JUN-12	27-JUN-12	R2389525
Silver (Ag)-Total	<0.00010		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525
Sodium (Na)-Total	5.24		0.030	mg/L	27-JUN-12	27-JUN-12	R2389525
Strontium (Sr)-Total	0.0254		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525
Thorium (Th)-Total	<0.00010		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525
Tin (Sn)-Total	<0.00020		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Titanium (Ti)-Total	0.00171		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Tungsten (W)-Total	<0.00010		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1167267-13 DUP 1							
Sampled By: CLIENT on 19-JUN-12 @ 09:30							
Matrix: WATER							
Total Metals by ICP-MS							
Uranium (U)-Total	<0.00010		0.00010	mg/L	27-JUN-12	27-JUN-12	R2389525
Vanadium (V)-Total	0.00036		0.00020	mg/L	27-JUN-12	27-JUN-12	R2389525
Zinc (Zn)-Total	0.0088		0.0020	mg/L	27-JUN-12	27-JUN-12	R2389525
Zirconium (Zr)-Total	<0.00040		0.00040	mg/L	27-JUN-12	27-JUN-12	R2389525
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0120		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Arsenic (As)-Dissolved	0.00040		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Barium (Ba)-Dissolved	0.0156		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Boron (B)-Dissolved	0.017		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	25-JUN-12	29-JUN-12	R2390941
Calcium (Ca)-Dissolved	5.56		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Chromium (Cr)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Copper (Cu)-Dissolved	0.00259		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Iron (Fe)-Dissolved	0.12		0.10	mg/L	25-JUN-12	29-JUN-12	R2390941
Lead (Pb)-Dissolved	0.000090		0.000090	mg/L	25-JUN-12	29-JUN-12	R2390941
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Magnesium (Mg)-Dissolved	1.10		0.010	mg/L	25-JUN-12	29-JUN-12	R2390941
Manganese (Mn)-Dissolved	0.00508		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Molybdenum (Mo)-Dissolved	0.00017		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Nickel (Ni)-Dissolved	0.0019		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Phosphorus (P)-Dissolved	0.241		0.030	mg/L	25-JUN-12	29-JUN-12	R2390941
Potassium (K)-Dissolved	1.61		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Rubidium (Rb)-Dissolved	0.00167		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	25-JUN-12	29-JUN-12	R2390941
Silicon (Si)-Dissolved	0.440		0.050	mg/L	25-JUN-12	29-JUN-12	R2390941
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Sodium (Na)-Dissolved	4.60		0.020	mg/L	25-JUN-12	29-JUN-12	R2390941
Strontium (Sr)-Dissolved	0.0218		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Titanium (Ti)-Dissolved	0.00029		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Tungsten (W)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Uranium (U)-Dissolved	<0.00010		0.00010	mg/L	25-JUN-12	29-JUN-12	R2390941
Vanadium (V)-Dissolved	0.00026		0.00020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zinc (Zn)-Dissolved	0.0090		0.0020	mg/L	25-JUN-12	29-JUN-12	R2390941
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	25-JUN-12	29-JUN-12	R2390941
Chlorophyll a, Pheophytin by fluorometry							
Chlorophyll a	0.57		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
Phaeophytin a	0.27		0.10	ug/L	09-JUL-12	09-JUL-12	R2395264
pH, Conductivity and Total Alkalinity							
Conductivity							
Conductivity	93		20	umhos/cm		25-JUN-12	R2387918

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TOT-WP	Water	Alkalinity	APHA 2320B
Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. It is determined by titration with a standard solution of strong mineral acid to the successive HCO ₃ ⁻ and H ₂ CO ₃ endpoints indicated electrometrically.			
C-DIS-ORG-WT	Water	Dissolved Organic Carbon	APHA 5310 B-INSTRUMENTAL
Sample is filtered through a 0.45um filter, sample is then injected into a heated reaction chamber which is packed with an oxidative catalyst. The water is vaporized and the organic carbon is oxidized to carbon dioxide. The carbon dioxide is transported in a carrier gas and is measured by a non-dispersive infrared detector.			
CHL,PHEO-FLUORO-WP	Water	Chlorophyll a, Pheophytin by fluorometry	EPA 445.0
Chlorophyll a is filtered from the sample and extracted with 90% (v/v) acetone. The sample is analyzed fluorometrically. The extract is then acidified, converting chlorophyll a to pheophytin a. The sample is analyzed fluorometrically again after acidification. The chlorophyll a concentration is determined from the decrease upon acidification.			
CL-L-IC-WP	Water	Chloride by Ion Chromatography	EPA 300.1 (modified)
Anions in aqueous matrices are analyzed using ion chromatography with conductivity and/or UV absorbance detectors.			
EC-L-WP	Water	Conductivity	APHA 2510B
Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.			
EC-WP	Water	Conductivity	APHA 2510B
Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.			
F-L-IC-WP	Water	Fluoride by Ion Chromatography	EPA 300.1 (modified)
Anions in aqueous matrices are analyzed using ion chromatography with conductivity and/or UV absorbance detectors.			
FE-T-L-ICP-ED	Water	Total Fe in Water by ICPOES (Low Level)	APHA 3120 B-ICP-OES
HG-TOT-LOW-CVAFS-VA	Water	Total Mercury in Water by CVAFS(Low)	EPA 245.7
This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedure involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).			
MET-D-L-MS-WP	Water	Dissolved Metals by ICP-MS	U.S. EPA 200.8-DL
Dissolved Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the Examination of Water and Wastewater method 3030B for filtration through a 0.45 um filter and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL
Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
NH3-COL-WP	Water	Ammonia by colour	APHA 4500 NH3 F
Ammonia in water samples forms indophenol when reacted with hypochlorite and phenol. The intensity is amplified by the addition of sodium nitroprusside and measured colourmetrically.			
NO2+NO3-CALC-WP	Water	Nitrate+Nitrite	CALCULATION

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
NO2-L-IC-WP	Water	Nitrite as N by Ion Chromatography	EPA 300.1 (modified)
Anions in aqueous matrices are analyzed using ion chromatography with conductivity and/or UV absorbance detectors.			
NO3-L-IC-WP	Water	Nitrate as N by Ion Chromatography	EPA 300.1 (modified)
Anions in aqueous matrices are analyzed using ion chromatography with conductivity and/or UV absorbance detectors.			
P-T-COL-WP	Water	Phosphorus, Total	APHA 4500 P PHOSPHORUS
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorous is determined colourimetrically after persulphate digestion of the sample.			
PH-WP	Water	pH	APHA 4500H
The pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.			
SO4-IC-WP	Water	Sulfate by Ion Chromatography	EPA 300.1 (modified)
Anions in aqueous matrices are analyzed using ion chromatography with conductivity and/or UV absorbance detectors.			
SOLIDS-TDS-WP	Water	Total Dissolved Solids	APHA 2540 C (modified)
Total dissolved solids in aqueous matrices is determined gravimetrically after evaporation of the filtrate at 180°C.			
SOLIDS-TOTSUS-LR-WP	Water	Total Suspended Solids	APHA 2540 D (modified) LR
Total suspended solids in aquesous matrices is determined gravimetrically after drying the residue at 103 105°C.			
TKN-F-VA	Water	TKN in Water by Fluorescence	APHA 4500-NORG D.
This analysis is carried out using procedures adapted from APHA Method 4500-Norg D. "Block Digestion and Flow Injection Analysis". Total Kjeldahl Nitrogen is determined using block digestion followed by Flow-injection analysis with fluorescence detection.			
TOC-WT	Water	Total Organic Carbon	APHA 5310B
Sample is injected into a heated reaction chamber which is packed with an oxidative catalyst. The water is vaporized and the organic cabon is oxidized to carbon dioxide. The carbon dioxide is transported in a carrier gas and is measured by a non-dispersive infrared detector.			
TURBIDITY-WP	Water	Turbidity	APHA 2130B (modified)
Turbidity in aqueous matrices is determined by the nephelometric method.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA
ED	ALS ENVIRONMENTAL - EDMONTON, ALBERTA, CANADA
VA	ALS ENVIRONMENTAL - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
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GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg ww - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.

< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



L1167267-COFC

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Chain of Cus

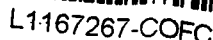
Canada Toll Free: 1 800 668 9878

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COC # _____

Page 1 of 2

Report to:			Report Format / Distribution			Service Requested:													
Company: Agnico-Eagle Mines Ltd.			☒ Standard ☐ Other			☒ Regular Service (Default)													
Contact: Ryan VanEngen			☒ PDF ☒ Excel ☐ Fax			☐ Rush Service (2-3 Days)													
Address: Meadowbank Division PO Box 540 Baker Lake Nun.			Email 1: rvanengen@agnico-eagle.com			☐ Priority Service (1 Day or ASAP)													
			Email 2: jeffery.pratt@agnico-eagle.com			☐ Emergency Service (<1 Day / Wkend) - Contact ALS													
Phone: 867 793 4610x6759 Fax:						Analysis Request													
Invoice To: ☒ Same as Report			Indicate Bottles: Filtered / Preserved (F/P) →																
Company: Agnico-Eagle Mining Ltd.			Client / Project Information:																
Contact: Accounts Payable-Meadowbank Division			Job #: AWR																
Address: email electronic invoice to rvanengen@agnico-eagle.com			PO/AFE:																
Sample			Legal Site Description:																
Phone: Fax:			Quote #: Q21514																
Lab Work Order # (lab use only)			ALS Contact: Chrisine Herrod		Sampler (Initials):														
Sample #	Sample Identification (This description will appear on the report)		Date dd-mmm-yy	Time hh:mm	Sample Type (Select from drop-down list)		Cl, F, NO2, NO3, SO4	TOC/DOC	Metals & Hg (total)	Dissolved Metals	P-Total & Ortho	pH, EC, Alkalinity	Turbidity	TSS, TDS	TKN, NH3	Chloro-a	Hazardous?	Highly Contaminated?	Number of Containers
	LFP2APL US		19-Jun-12	10:00	Water		X	X	X	X	X	X	X	X	X	X			6
	LFP2APL DS		19-Jun-12	9:30	Water		X	X	X	X	X	X	X	X	X	X			6
	APL2BL US		19-Jun-12	9:10	Water		X	X	X	X	X	X	X	X	X	X			6
	APL2BL DS		19-Jun-12	8:45	Water		X	X	X	X	X	X	X	X	X	X			6
	R02 US		19-Jun-12	10:50	Water		X	X	X	X	X	X	X	X	X	X			6
	R02 DS		19-Jun-12	10:30	Water		X	X	X	X	X	X	X	X	X	X			6
Guidelines / Regulations			Special Instructions / Hazardous Details																
			Please use "low range anion" analysis																
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.																			
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.																			
Relinquished By:	T. Thomson	Date & Time:	6/19/2012	Received By:		Date & Time:	25-Jun-12 10:00	Sample Condition (lab use only)											
Relinquished By:		Date & Time:		Received By:		Date & Time:		Temperature	Samples Received in Good Condition? Y / N (if no provided details)										
								19.4°C											



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COC #

Page 2 of 2

Report to:			Report Format / Distribution			Service Requested:											
Company: Agnico-Eagle Mines Ltd.			☒ Standard ☐ Other			☒ Regular Service (Default)											
Contact: Ryan VanEngen			☒ PDF ☒ Excel ☐ Fax			☐ Rush Service (2-3 Days)											
Address: Meadowbank Division PO Box 540 Baker Lake Nun.			Email 1: rvanengen@agnico-eagle.com			☐ Priority Service (1 Day or ASAP)											
			Email 2: jeffery.pratt@agnico-eagle.com			☐ Emergency Service (<1 Day / Wkend) - Contact ALS											
Phone: 867 793 4610x6759 Fax:						Analysis Request											
Invoice To: ☒ Same as Report			Indicate Bottles: Filtered / Preserved (F/P) →→			☐	☐	P	P	☐	☐	☐	P	F	☐	☐	☐
Company: Agnico-Eagle Mining Ltd.			Client / Project Information:			Cl, F, NO ₂ , NO ₃ , SO ₄	TOC/DOC	Metals & Hg (total)	Dissolved Metals	P-Total & Ortho	pH, EC, Alkalinity	Turbidity	TSS, TDS	TKN, NH ₃	Chloro-a	Hazardous?	Highly Contaminated?
Contact: Accounts Payable-Meadowbank Division			Job #: AWR														
Address: email electronic invoice to rvanengen@agnico-eagle.com			PO/AFE:														
Sample			Legal Site Description:														
Phone: Fax:			Quote #: Q21514														
Lab Work Order # (lab use only)			ALS Contact: Christine Herrod		Sampler (Initials):												
Sample #	Sample Identification (This description will appear on the report)		Date dd-mmm-yy	Time hh:mm	Sample Type (Select from drop-down list)												
	R06 US ✓		19-Jun-12	11:45	Water	X	X	X	X	X	X	X	X	X	X		
	R06 DS ✓		19-Jun-12	11:35	Water	X	X	X	X	X	X	X	X	X	X		
	R09 US ✓		19-Jun-12	12:25	Water	X	X	X	X	X	X	X	X	X	X		
	R09 DS ✓		19-Jun-12	12:35	Water	X	X	X	X	X	X	X	X	X	X		
	R15 US ✓		19-Jun-12	13:45	Water	X	X	X	X	X	X	X	X	X	X		
	R15 DS ✓		19-Jun-12	13:25	Water	X	X	X	X	X	X	X	X	X	X		
	DUP 1 ✓		19-Jun-12	9:30	Water	X	X	X	X	X	X	X	X	X	X		
Guidelines / Regulations					Special Instructions / Hazardous Details												
					Please use "low range anion" analysis												
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.																	
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.																	
Relinquished By:	T. Thomson	Date & Time:	6/19/2012	Received By:	[Signature]	Date & Time:	25-June 10:00	Temperature		Sample Condition (lab use only)							
Relinquished By:		Date & Time:		Received By:	[Signature]	Date & Time:		19.4°C		Samples Received in Good Condition? Y / N (if no provided details)							