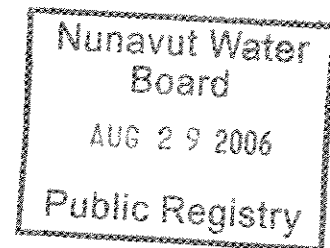


August 8, 2006

Nunavut Water Board
Box 119
Gjoa Haven, NU
X0B 0J0

Attention: Phyllis Beaulieu, Manager of Licensing

Indian and Northern Affairs Canada
P.O. Box 100
Iqaluit, Nunavut
X0A 0H0



Attention: Spencer Dewar, Manager, Lands Administration

Dear Phyllis and Spencer;

Re: Polaris Mine Water Licence NWB1POL0311 – 2006 1st and 2nd Quarter Water Licence Report

Please find attached the Polaris Mine 1st and 2nd Quarter, 2006 Water Licence Report and Decommissioning and Reclamation Plan (DRP) Report. I am sending this in electronic form by email (in pdf format) and will forward two paper copies of this report to each of your offices.

1st Quarter, 2006

During the 1st Quarter of 2006, the Polaris Mine remained un-occupied by personnel. No monitoring events occurred during the quarter.

The Water Licence requires a mid-winter sampling of Garrow Lake stratigraphy for water quality parameters. At mid-winter the site was not safely accessible. Charter aircraft will not fly to the site due to the dark conditions without the site having runway lighting and visual confirmation from the ground of landing conditions.

There was no monitoring of temperature conditions in the Little Red Dog Landfill or the Operational Landfill as there was no one at the site during the quarter. The purpose of monitoring the landfill temperatures is to determine whether there is risk of the cover cap thawing in the summer and so monitoring in the winter does add to this information. However, in the 3rd Quarter of 2006 it is intended to install data logging equipment so that landfill temperatures can be collected at all times of the year.

As part of the DRP work, the dam at Garrow Lake was decommissioned in 2004 so there is no dam to monitor.

With the site reclamation complete in 2004, the fresh water system and pump station have been removed so there is no freshwater use from Frustration Lake to report. This will not be commented again in future reports (other than year end reporting) for simplification purposes.

Due to winter conditions at the site throughout the 1st Quarter reporting period, there was no discharge from Garrow Lake and thus there was no effluent discharge to monitor.

2nd Quarter, 2006

During the majority of the 2nd Quarter the Polaris Mine site remained un-occupied by personnel. However, monitoring of the water column of Garrow Lake was completed in May to capture the Maximum Ice Thickness conditions as required by the Water Licence.

Starting the last week in June, a crew of three people occupied the temporary camp at site for the following purposes:

- To continue the program of clean-up of litter and debris remaining at the site after demobilization of the reclamation contractor, as identified in the INAC inspection in September of 2004. In 2005 approximately 50% of the litter and debris at site had been collected. This season it is expected that most of the remaining litter will be collected. In subsequent years, each time personnel are on site, additional sweeps for litter will be undertaken.
- To start upgrading the landfill thermistor installations due to the erratic data collected in 2005. Additionally, it is intended to install data loggers so that data can be collected more frequently, which is most important during the summer months. Additionally, the data loggers will allow collection of data year round for a complete history of temperatures.
- To conduct other monitoring activities as required under the approvals of the Decommissioning and Reclamation Plan (DRP) and the Water Licence.

The Decommissioning and Reclamation Plan approvals have a number of parameters that must be monitored that in addition to the monitoring requirements identified in the Water Licence. As the summer season at the site is just starting at the end of the 2nd Quarter, the only items available for monitoring are itemized below. The majority of the monitoring required at the site will be undertaken during the 3rd Quarter.

1. Garrow Lake Water Quality and Stratigraphy Monitoring

Please find attached to this report the results of the May 22nd, 2006 sampling event of Garrow Lake. This represents the Maximum Ice Thickness monitoring event required by the Water Licence.

The commercial laboratory continues to have difficulty analyzing the waters of Garrow Lake due to the high salt content. The laboratory had to re-analyze all of the samples due to problems associated with the brine content of the samples. Even after re-analyzing the samples there was a problem with the TSS analysis conducted by the laboratory. Due to the brine content of the lake, processing of the TSS analysis required rinsing of the filters with fresh water prior to weighing. It is believed that the laboratory did not do this. We will be asking them to re-analyze for TSS for a third time.

The attached data confirm that the stratigraphy of the lake continues to be stable and continues to indicate improving water quality of the lake. A submission requesting a reduction in the frequency

and number of samples is forthcoming as there is more than ample scientific evidence indicating that the current intensive monitoring requirements are not justified.

2. Notification of Intent to Initiate Planned Discharge of Effluent from the Tailings Impoundment Area (Part D, Section 1)

The date of initiation of effluent discharge is no longer under the control of Teck Cominco. As part of the approved site decommissioning plan, Garrow Dam was removed in 2004 and discharge from the lake has been restored to its natural annual discharge cycle.

3. Water Quality and Environmental Effects Monitoring Program

There was no effluent discharge from Garrow Lake in the 2nd Quarter.

4. Garrow Lake Elevation

A survey of Garrow Lake was done to determine the water elevation before the annual discharge season began. On June 29th, 2006 the elevation was 1005.50 metres.

If there are any questions with regard to this report, please contact the undersigned.

Yours truly,



Bruce J. Donald
Reclamation Manager
Environment and Corporate Affairs
Teck Cominco Limited

Enclosures (2):

- 2nd Quarter 2006 Garrow Lake – Field Data
- 2nd Quarter 2006 Garrow Lake – Laboratory Analysis Data

POLARIS MINE

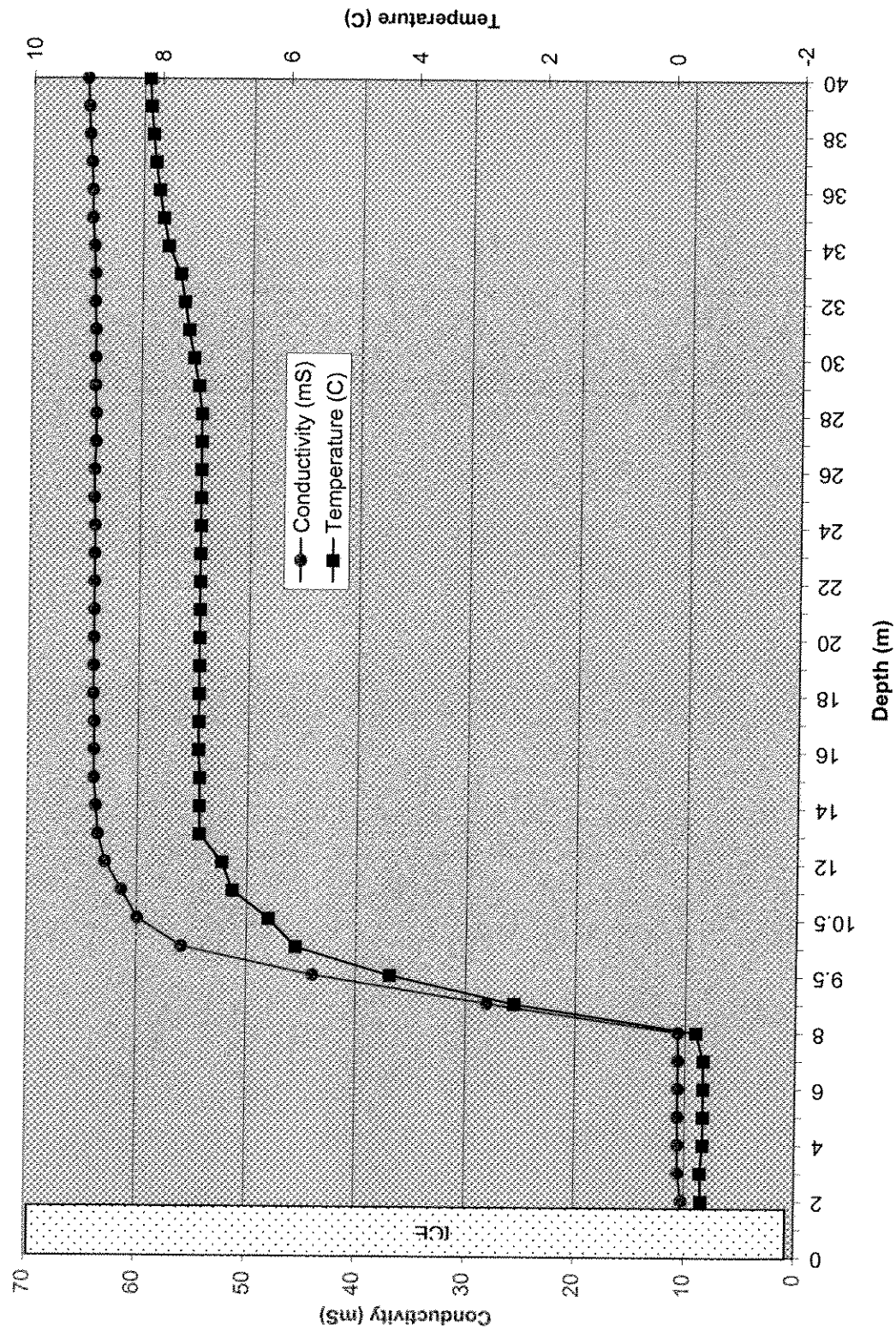
GARROW LAKE MAXIMUM ICE THICKNESS

WATER QUALITY AND STRATIGRAPHY MONITORING EVENT

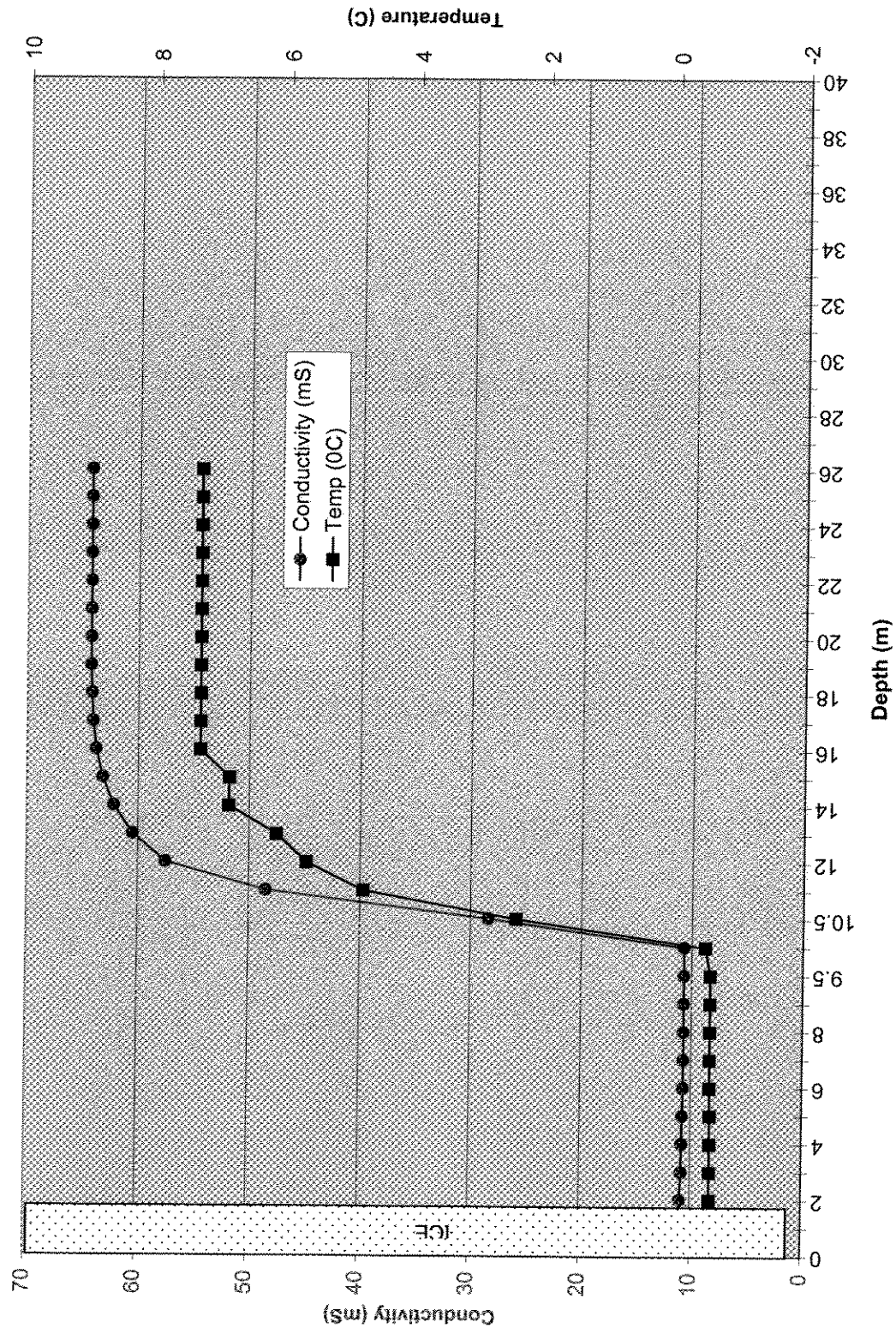
2ND QUARTER, 2006

FIELD DATA

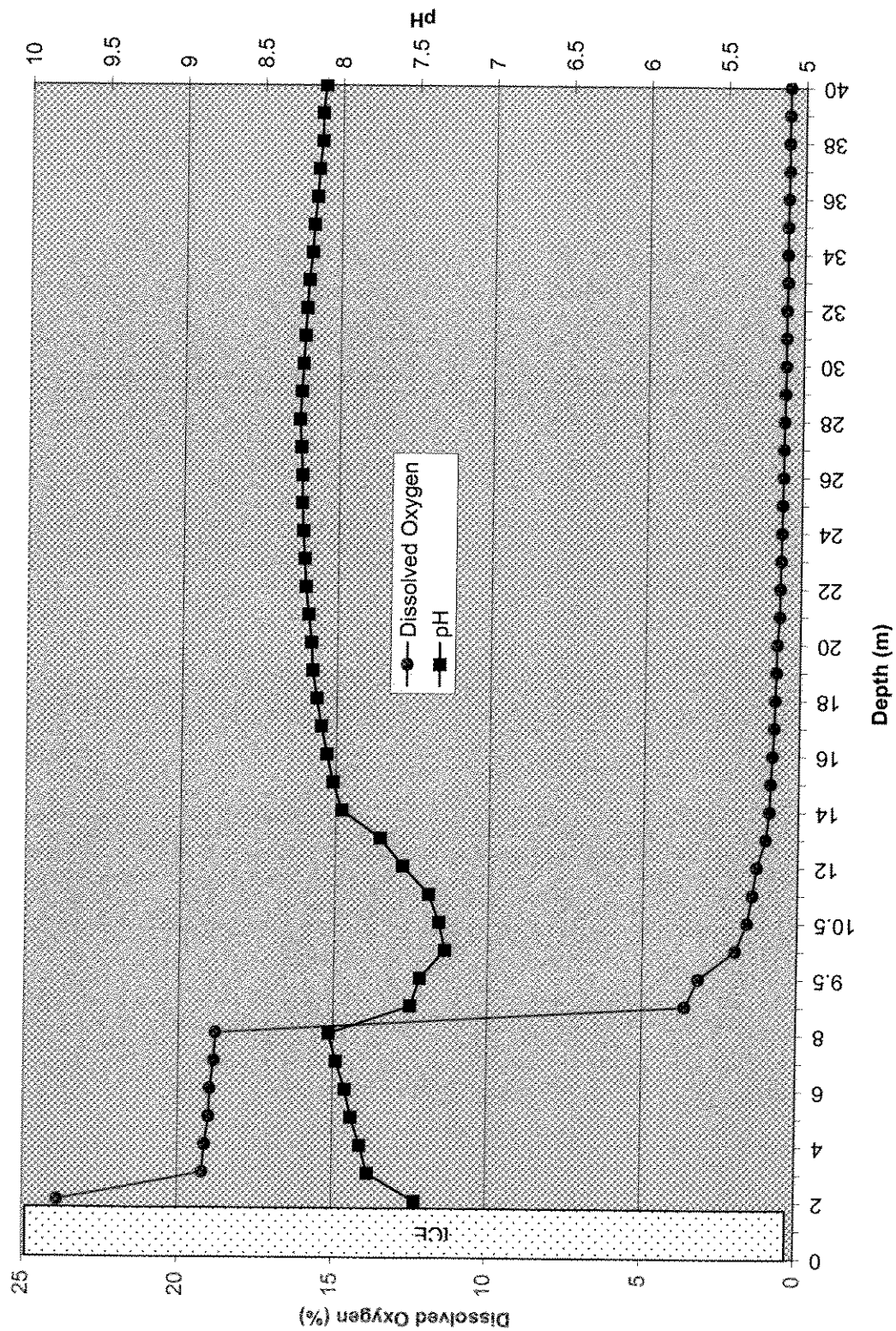
Garrow Lake 2006 Maximum Ice Thickness Limnology - Centre



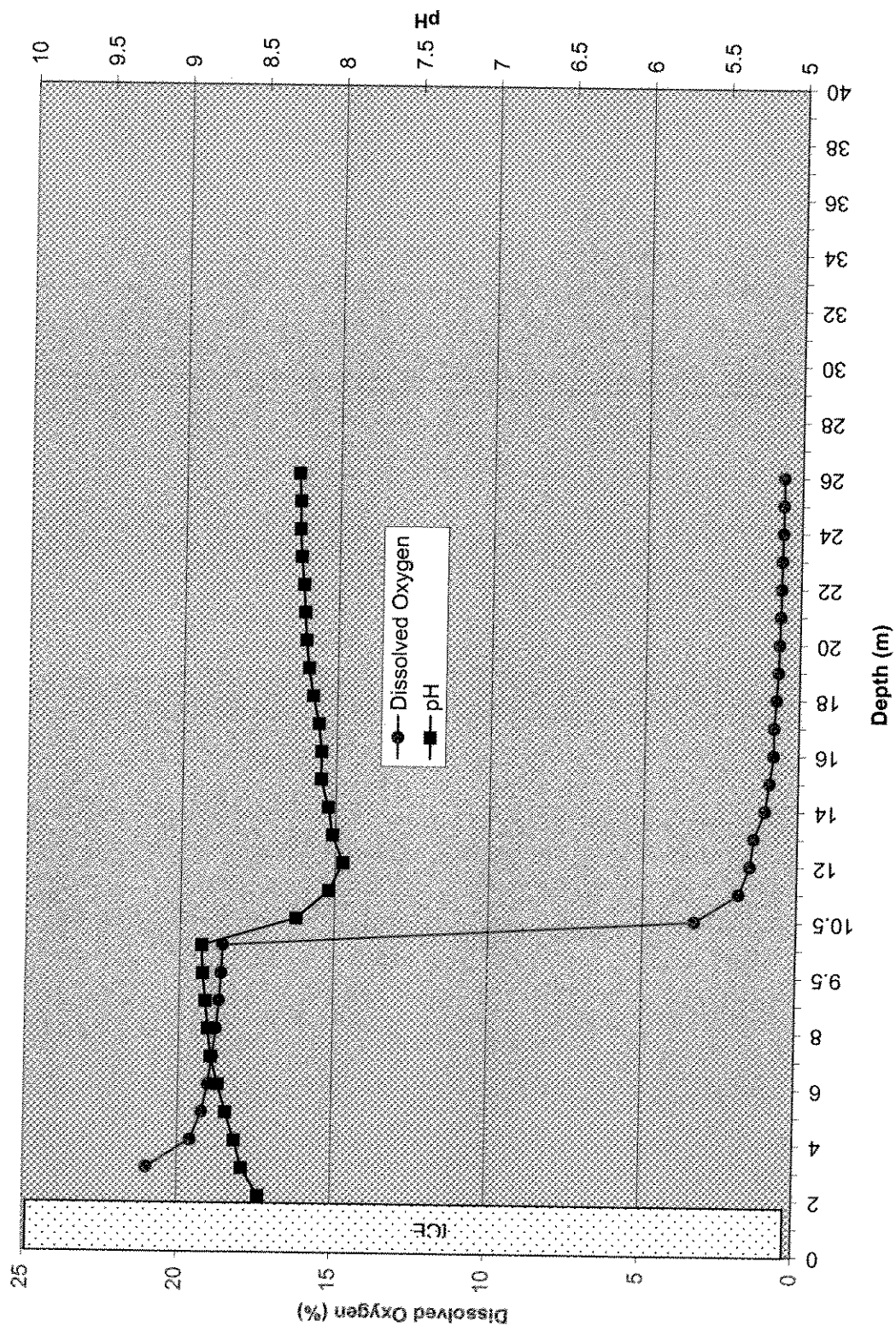
Garrow Lake 2006 Maximum Ice Thickness Limnology - South



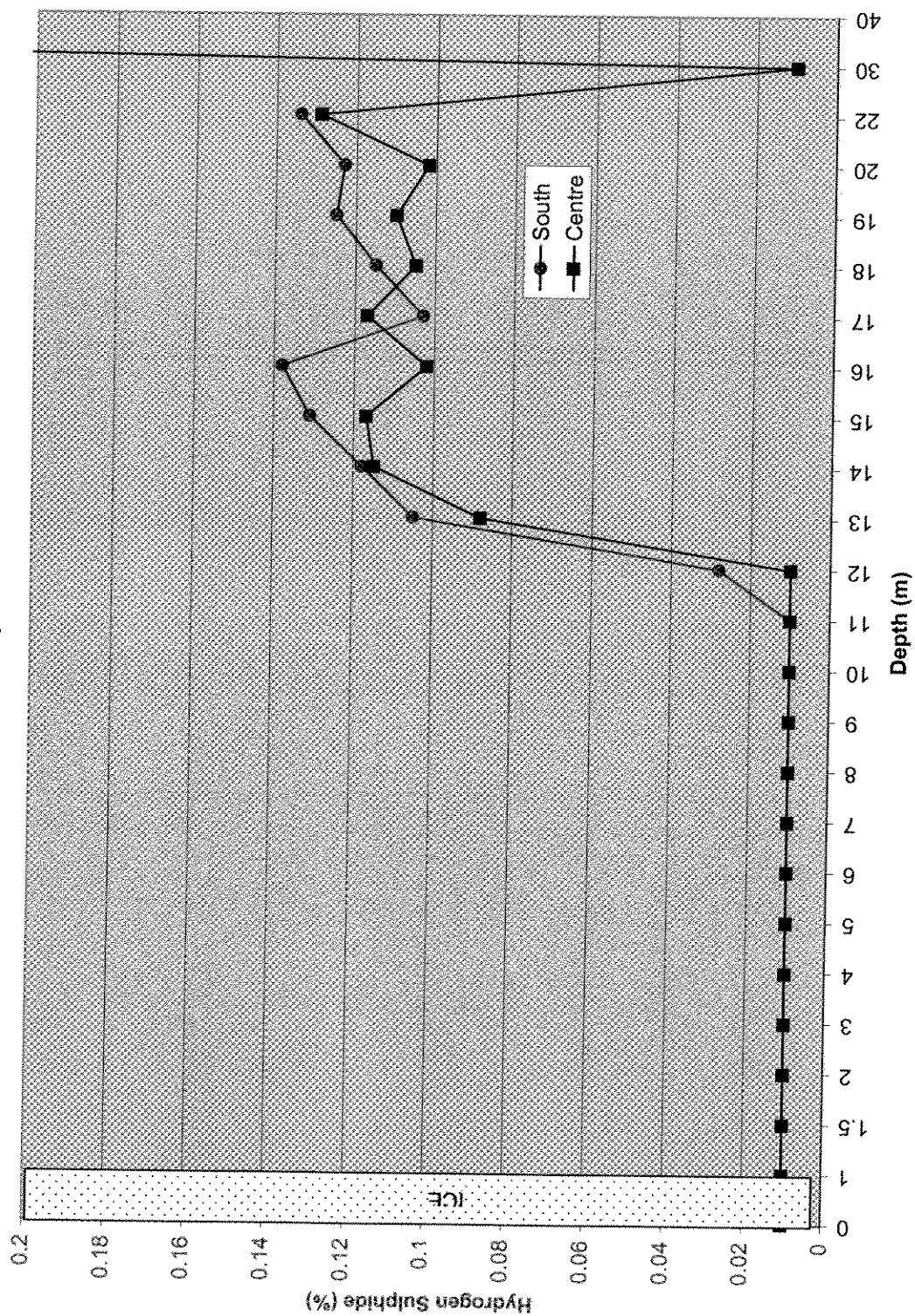
Garrow Lake 2006 Maximum Ice Thickness Limnology - Centre



Garrow Lake 2006 Maximum Ice Thickness Limnology - South



Garrow Lake 2006 Maximum Ice Thickness Hydrogen Sulphide Concentrations



Garrow Lake Mid-Winter Water Sampling Data Sheet - Centre

Station: 262-3

Date: 22-May-06

Depth (M)	Temp (°C)	Conductivity (mS)	pH	Dissolved Oxygen	Observations
0					Ice
1					Ice (2 M thick)
2	-0.55	10.26	7.5	23.9	
3	-0.53	10.6	7.8	19.2	
4	-0.57	10.6	7.8	19.1	
5	-0.57	10.7	7.9	19.0	
6	-0.57	10.7	7.9	19.0	
7	-0.57	10.7	8.0	18.9	
8	-0.45	10.7	8.0	18.8	
9	2.39	28.1	7.5	3.6	
9.5	4.33	43.9	7.4	3.2	
10	5.81	55.9	7.3	2.0	
10.5	6.23	59.9	7.3	1.6	
11	6.80	61.4	7.4	1.5	
12	6.97	62.9	7.6	1.3	
13	7.32	63.6	7.7	1.1	
14	7.33	63.8	8.0	0.9	
15	7.33	64.0	8.0	0.9	
16	7.35	64.0	8.1	0.9	
17	7.35	64.0	8.1	0.8	
18	7.35	64.1	8.1	0.8	
19	7.35	64.1	8.2	0.8	
20	7.35	64.1	8.2	0.8	
21	7.35	64.1	8.2	0.7	
22	7.35	64.1	8.2	0.7	
23	7.35	64.1	8.2	0.7	
24	7.35	64.1	8.23	0.64	
25	7.35	64.2	8.24	0.63	
26	7.35	64.2	8.24	0.61	
27	7.35	64.1	8.25	0.61	
28	7.35	64.1	8.26	0.6	
29	7.40	64.2	8.25	0.58	
30	7.48	64.2	8.24	0.57	
31	7.56	64.2	8.23	0.57	
32	7.63	64.3	8.22	0.57	
33	7.70	64.3	8.21	0.54	
34	7.89	64.4	8.19	0.55	
35	7.97	64.6	8.18	0.55	
36	8.04	64.6	8.16	0.54	
37	8.10	64.7	8.15	0.52	
38	8.14	64.9	8.13	0.53	
39	8.18	65	8.13	0.52	
40	8.20	65.1	8.11	0.51	

Garrow Lake Mid-Winter Water Sampling Data Sheet - South

Station: 262-3A

Date: 22-May-06

Depth (M)	Temp (°C)	Conductivity (mS)	pH	Dissolved Oxygen	Observations
0					Ice
1					Ice (2 M thick)
2	-0.58	10.92	8.47		
3	-0.58	10.80	8.58	21.00	
4	-0.58	10.78	8.63	19.58	
5	-0.58	10.75	8.69	19.22	
6	-0.57	10.70	8.74	19.03	
7	-0.57	10.70	8.79	18.90	
8	-0.57	10.70	8.81	18.78	
9	-0.57	10.71	8.83	18.70	
9.5	-0.57	10.70	8.85	18.64	
10	-0.49	10.72	8.86	18.62	
10.5	2.44	28.40	8.25	3.32	
11	4.81	48.48	8.04	1.89	
12	5.69	57.50	7.95	1.54	
13	6.15	60.48	8.02	1.42	
14	6.89	62.20	8.05	1.08	
15	6.88	63.20	8.10	0.94	
16	7.33	63.80	8.10	0.82	
17	7.33	64.10	8.12	0.82	
18	7.33	64.20	8.16	0.75	
19	7.33	64.30	8.19	0.70	
20	7.33	64.30	8.21	0.68	
21	7.33	64.30	8.22	0.66	
22	7.33	64.30	8.23	0.64	
23	7.33	64.30	8.25	0.63	
24	7.33	64.30	8.26	0.61	
25	7.33	64.30	8.26	0.60	
26	7.33	64.30	8.27	0.60	
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Hydrogen Sulphide (%) - May 22, 2006

Depth	Measured		To Graph	
	Centre	South	Centre	South
0	<0.020	<0.020	0.01	0.01
1	<0.020	<0.020	0.01	0.01
1.5	<0.020	<0.020	0.01	0.01
2	<0.020	<0.020	0.01	0.01
3	<0.020	<0.020	0.01	0.01
4	<0.020	<0.020	0.01	0.01
5	<0.020	<0.020	0.01	0.01
6	<0.020	<0.020	0.01	0.01
7	<0.020	<0.020	0.01	0.01
8	<0.020	<0.020	0.01	0.01
9	<0.020	<0.020	0.01	0.01
10	<0.020	<0.020	0.01	0.01
11	<0.020	<0.020	0.01	0.01
12	<0.020	0.028	0.01	0.028
13	0.088	0.105	0.088	0.105
14	0.115	0.118	0.115	0.118
15	0.117	0.131	0.117	0.131
16	0.102	0.138	0.102	0.138
17	0.117	0.103	0.117	0.103
18	0.105	0.115	0.105	0.115
19	0.110	0.125	0.110	0.125
20	0.102	0.123	0.102	0.123
22	0.129	0.134	0.129	0.134
30	<0.020		0.01	
40	3.00		3.00	

POLARIS MINE
GARROW LAKE MAXIMUM ICE THICKNESS
WATER QUALITY AND STRATIGRAPHY MONITORING EVENT
2ND QUARTER, 2006

LABORATORY ANALYSIS DATA

Project: 2005 May Francis Shallow Lake Analysis
Report to: Aquatic Consulting Group Inc.
ALS File No.: 200505006
Date Received: 04/07/2006
City:

Conventions:
QLC Represents Water Licence Monitoring Station # 202 - 3 (Garnet Lake Centre)
QLS Represents Water Licence Monitoring Station # 202 - 3A (Garnet Lake South - Near Outlet)

RESULTS OF ANALYSIS

Sample ID	QLS-2m	QLS-1m	QLS-4m	QLS-7m	QLS-10m	QLS-11m	QLS-12m	QLS-13m	QLS-14m	QLS-15m	QLS-16m	QLS-17m	QLS-18m	QLS-19m	QLS-20m	QLS-21m	QLS-22m	QLS-23m
Date Sampled	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006
ALS Sample ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Return	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler	Sampler
Physical Tests																		
Conductivity (uS/cm)	13800	13800	13800	13700	13700	13700	13700	13800	13800	13800	13800	13800	13800	13800	13800	13800	13800	13800
Hardness CaCO3	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
pH	8.01	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02
Secchi meter	8.5	8.4	8.4	8.3	8.3	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Total Suspended Solids	<0.0	<0.0	0.7	0.0	<0.0	5.3	5.3	6.0	5.3	7.3	7.3	15.7	29.7	30.0	11.9	20.0	35.1	32.0
Dissolved Solids																		
Ammonia-N Total	16.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
Cyanides																		
Total Cyanide CN	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Total Metals																		
Arsenic T-As	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium T-Cd	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Calcium T-Ca	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Copper T-Cu	166	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
Iron T-Fe	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120	0.00120
Lead T-Pb	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Manganese T-Mn	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170	0.00170
Mercury T-Hg	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Molybdenum T-Mo	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nitrate T-N	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443
Zinc T-Zn	0.246	0.244	0.245	0.255	0.257	0.276	0.276	0.243	0.244	0.227	0.274	0.260	0.261	0.260	0.260	0.260	0.260	0.260
Nonmetal Parameters																		
Sulfate S	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Fluorides																		

Results are expressed in milligrams per litre unless where noted
< = Less than the detection limit indicated

RESULTS OF ANALYSES

[illegible]

RESULTS OF ANALYSIS

[illegible]

References:

Project
Report to
ALS File No.
Date Received
Date

2009 May Plains Offshore Lake Analysis
Aquatic Consulting Group Inc.
2009-05-20
2009-05-20
2009-05-20

Comments:

Q.L.C. Hargreaves Water Licence Monitoring Station # 292 - 3 (Garnier Lake Catchment)
Q.L.E. Hargreaves Water Licence Monitoring Station # 292 - 3A (Garnier Lake South - Near Outlet)

DETECTION LIMIT

Sample ID	Q.L.S-1m	Q.L.S-1m	Q.L.S-2m	Q.L.S-3m	Q.L.S-4m	Q.L.S-5m	Q.L.S-6m	Q.L.S-7m	Q.L.S-8m	Q.L.S-9m	Q.L.S-10m	Q.L.S-11m	Q.L.S-12m	Q.L.S-13m	Q.L.S-14m	Q.L.S-15m	Q.L.S-16m	Q.L.S-17m	Q.L.S-18m	Q.L.S-19m	Q.L.S-20m	Q.L.S-21m	Q.L.S-22m	Q.L.S-23m
Date Sampled	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006
ALS Sample ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Reference	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater	Shawwater
Physical Tests																								
Conductivity (uS/cm)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Hardness (CaCO3)	3.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
pH	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Specific Gravity	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Total Suspended Solids	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Dissolved Solids																								
Aluminum Total (CaCO3)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Cyanides																								
Total Cyanide (CN)	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
Total Metals																								
Antimony (T-As)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Barium (T-Ba)	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020
Calcium (T-Ca)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Copper (T-Cu)	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Iron (T-Fe)	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Manganese (T-Mn)	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010
Molybdenum (T-Mo)	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Nickel (T-Ni)	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Zinc (T-Zn)	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050	0.000050
Inorganic Phosphorus																								
Silica (SiO2)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Project: 2025 Top Phase Ground Leak Analysis
Report to: Airsplit Consulting Group Inc
ALS File No. 36417
Date Received: 26/05/2025
Date: 14/07/2025

DETECTION LIMITS

Sample ID	GLC-1m	GLC-3m	GLC-4m	GLC-5m	GLC-7m	GLC-9m	GLC-10m	GLC-11m	GLC-12m	GLC-13m	GLC-14m	GLC-15m	GLC-16m	GLC-17m	GLC-18m	GLC-20m	GLC-22m	GLC-24m	GLC-40m
Date Sampled	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025	22/05/2025
Time Sampled	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00	12:45:00
ALS Sample ID	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Notes	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater
Physical Tests																			
Conductivity (uS/cm)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Temperature (°C)	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Barity (g/cc)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Total Suspended Solids	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Chemical Analysis																			
Aspirate Total: Cu/C23	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Cyanides	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Total Metals																			
Aluminum T-44	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Antimony T-45	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Cadmium T-46	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Copper T-47	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Iron T-48	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Manganese T-49	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Mercury T-50	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Molybdenum T-51	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Nickel T-52	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Zinc T-53	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Inorganic Parameters																			
Sulfates S	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005

DETECTION LIMITS

[illegible]

Project: 2006 May Point's Garrow Lake Analysis
Report to: Admurf Consulting Group Inc.
ALS File No: X0417
Date Received: 20/05/2006
Date: 04/07/2006

Conventions:
GLC Represents Water Licence Monitoring Station # 202 - 3 (Garrow Lake Centre)
GLS Represents Water Licence Monitoring Station # 202 - 3A (Garrow Lake South - Near Outlet)

UNITS

Sample ID	GLS-0m	GLS-1m	GLS-1.5m	GLS-2m	GLS-3m	GLS-4m	GLS-5m	GLS-6m	GLS-7m	GLS-8m	GLS-9m	GLS-10m	GLS-11m	GLS-12m	GLS-13m	GLS-14m	GLS-15m	GLS-16m	GLS-17m	GLS-18m	GLS-19m
Date Sampled	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006
Time Sampled																					
ALS Sample ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Nature	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater
Physical Tests																					
Conductivity (uS/cm)	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm
Hardness CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH
Salinity o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo
Total Suspended Solids	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Dissolved Anions																					
Alkalinity Total	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cyanides																					
Total Cyanide CN	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Metals																					
Aluminum T-Al	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Arsenic T-Ar	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cadmium T-Cd	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Calcium T-Ca	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Copper T-Cu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Iron T-Fe	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Lead T-Pb	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Magnesium T-Mg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Mercury T-Hg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Molybdenum T-Mo	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Nickel T-Ni	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Zinc T-Zn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Inorganic Parameters																					
Sulphide S	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Project 2006 May Petrus Garraw Lake Analysis
 Report to Alcorn Consulting Group Inc.
 ALS File No. X0417
 Date Received 28/05/2006
 Date 04/07/2006

UNITS

Sample ID	GLS-20m	GLS-22m	GLS-24m	GLS-25m	GLS-26m	GLS-27m	GLS-28m	GLS-29m	GLS-30m	GLS-31m	GLS-32m	GLS-33m	GLS-34m	GLS-35m	GLS-36m	GLS-37m	GLS-38m	GLS-39m	GLS-40m	GLS-41m	GLS-42m
Date Sampled	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006
Time Sampled																					
ALS Sample ID	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Nature	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater
Physical Tests	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH
	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo
Total Suspended Solids	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Dissolved Anions	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Alkalinity Total	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cyanides	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Metals	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Aluminum T-Al	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Arsenic T-Aa	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cadmium T-Cd	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cobalt T-Co	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Copper T-Cu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Iron T-Fe	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Lead T-Pb	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Magnesium T-Mg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Mercury T-Hg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Molybdenum T-Mo	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Nickel T-Ni	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Zinc T-Zn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Inorganic Phosphorus	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Sulphide S	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Project 2006 May Polaris Gannow Lake Analysis
 Report to Adminut Consulting Group Inc.
 ALA File No. X0417
 Date Received 28/03/2006
 Date 04/07/2006

UNITS											
Sample ID	GLC-18m	GLC-20m	GLC-22m	GLC-30m	GLC-40m	GLS-50m	GLS-50m	GLS-50m	GLC-40m	GLC-30m	GLC-20m
Date Sampled	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006	22/05/2006
Time Sampled											
ALS Sample ID	43	44	45	47	48	49	50	51	52	53	54
Nature	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater
Physical Tests											
Conductivity (uS/cm)	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm	uS/cm
Hardness CaCO ₃	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH
Salinity o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo	o/oo
Total Suspended Solids	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Dissolved Anions											
Alkalinity Total	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
CaCO ₃											
Cyanides											
Total Cyanide CN	-	-	-	-	-	-	-	-	-	-	-
Total Metals											
Aluminum T-Al	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Arsenic T-As	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Cadmium T-Cd	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Calcium T-Ca	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Copper T-Cu	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Iron T-Fe	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Lead T-Pb	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Magnesium T-Mg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Mercury T-Hg	-	-	-	-	-	-	-	-	-	-	-
Molybdenum T-Mo	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Nickel T-Ni	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Zinc T-Zn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Inorganic Parameters											
Sulphide S	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Project 2008 May Points Garrow Lake Analysis
Report to Azimuth Consulting Group Inc.
ALS File No. X8417
Date Received 28/05/2008
Date 04/07/2008

Conventions:
GLC Represents Water Licence Monitoring Station # 282 - 3 (Garrow Lake Centre)
GLS Represents Water Licence Monitoring Station # 282 - 3A (Garrow Lake South - Near Outlet)

Duplicate Results

Sample ID	GLS-2m	GLS-2m	GLS-13m	GLS-13m	GLS-13m	GLS-18m	GLS-18m	GLS-18m	GLS-6m	GLS-6m	GLC-40m	GLC-40m	GLS-20Am	GLS-20Am	RPD %
Date Sampled	22/05/2008	QC# 503309	22/05/2008	QC# 503310	22/05/2008	QC# 503311	22/05/2008	QC# 503312	22/05/2006	QC# 503314	22/05/2006	QC# 503314	22/05/2006	QC# 503313	22/05/2006
ALS Sample ID	4	15	20	31	48	50									
Nature	Seawater	Seawater	Seawater	Seawater	Seawater	Seawater									
Physical Tests															
Conductivity (uS/cm)	13700	13700	13700	13700	13700	13700	13700	13700	13700	13700	13700	13700	13700	13700	13700
Hardness CaCO3	1840	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830	1830
pH	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02
Salinity d/oo	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Total Suspended Solids	6.0	7.3	19.5	-	-	-	-	-	-	-	-	-	-	-	-
Disolved Anions															
Alkalinity-Total CaCO3	161	167	3.66	456	451	1.1	479	454	5.15	156	151	3.28	438	454	0.223
Total Metals															
Aluminum T-Al	<0.20	<0.20	0	0.23	0.22	4.44	<0.20	<0.20	0	<0.20	<0.20	0	<0.20	<0.20	0
Arsenic T-As	<0.00020	<0.00020	0	<0.00020	<0.00020	0	0.00023	<0.00020	14	<0.00020	<0.00020	0	<0.00020	0.00024	18.2
Cadmium T-Cd	0.000569	0.000612	7.28	0.000028	0.000028	0	0.000021	0.000024	13.3	0.000514	0.000559	8.39	0.000200	0.000026	8
Calcium T-Ca	166	165	0.604	795	785	1.27	767	805	2.26	160	159	0.627	800	788	825
Copper T-Cu	0.00105	0.00109	3.74	0.000773	0.000666	11.3	0.000474	0.000466	1.7	0.000865	0.000860	10.4	0.00180	0.00168	3.33
Iron T-Fe	<0.010	<0.010	0	0.224	0.222	0.897	0.222	0.235	5.69	<0.010	<0.010	0	0.268	0.316	8.9
Lead T-Pb	0.000438	0.000436	0.228	0.000604	0.000501	0.332	0.000828	0.000899	8.22	0.00209	0.00228	7.82	0.0351	0.0490	11.3
Magnesium T-Mg	346	345	0.289	2590	2490	3.94	2570	2530	1.57	340	342	0.587	2530	2480	4.97
Mercury T-Hg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Molybdenum T-Mo	<0.0050	<0.0050	0	<0.010	<0.010	0	<0.010	<0.010	0	0.0052	<0.0050	3.92	<0.010	<0.000010	0
Nickel T-Ni	0.00424	0.00433	2.1	0.00622	0.00649	4.25	0.00519	0.00575	10.4	0.00374	0.00417	10.9	0.000810	0.00106	0
Zinc T-Zn	0.235	0.247	4.98	0.0320	0.0326	1.86	0.0282	0.0293	11.2	0.211	0.233	9.91	0.0558	0.0680	8.11
Inorganic Parameters															
Sulphide S	<0.020	<0.020	0	0.105	0.100	4.86	0.115	0.118	2.58	<0.020	<0.020	0	3.00	2.86	0.096
															4.26