

21 January 2008

Chief Administrative Officer
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

RE: Water License NWB1JER0410 Monthly SNP Report – December 2007

Following is the monthly report for December 2007 as required under Water Licence 2AM-JER0410.

SNP Sampling

During the month of December 2007 samples were collected as required for the SNP sampling program. A summary of the sampling is provided in Table 1.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
JER-SW1	10 Dec 2007	L585854 270902	ALS Taiga
JER-SW3	09 Dec 2007	L585854	ALS
JER-SW4	07 Dec 2007	L585854	ALS
JER-WQ4	08 Dec 2007	L585854	ALS
JER-WQ6	08 Dec 2007	L585854	ALS
JER-WQ10	08 Dec 2007	L585854	ALS
JER-WQ11	07 Dec 2007	L585854	ALS
JER-WQ13	08 Dec 2007	L585854	ALS
Field Blank	07 Dec 2007	L585854	ALS
Trip Blank	10 Dec 2007	L585854	ALS
JER-WQ6*	17 Dec 2007	L587890	ALS
JER-WQ16*	17 Dec 2007	L587890	ALS
JER-WQ8	18 Dec 2007	L588743	ALS
JER-WQ9	18 Dec 2007	L588743	ALS
Field Blank	18 Dec 2007	L588743	ALS
Trip Blank	18 Dec 2007	L588743	ALS

*Samples collected during INAC Water Quality Inspection December 17, 2007.

Two sets of Field and Trip Blanks were collected to reflect the two separate sampling dates (December 07-10 and December 18).

All samples were collected as per requirements under Water License NWB1JER0410. Sample locations not listed in Table 1 were not required to be sampled during the month of December.

A complete set of field parameters was not collected from JER-SW1 due to contamination issues with the dedicated field equipment used for all other sample locations.

Results

A) Water Sampling and Analysis Results

1. Table 2 provides the results for samples related to the SNP sampling requirements for the month of December 2007.

B) Flow and Volume Measurements

1. Table 3 provides a breakdown of flow and volume measurements and solid material moved as required under Part K, Item 12 and 13 of the water license.

Should you have any questions regarding the monthly report for December 2007 please contact the undersigned at 780 644-9129 or environment@tahera.com.

Regards,

Laura Smithies
Manager, Environment

Roland Jones
General Mine Manager

TABLE 2 - November 2007

Project	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO
Report To								
ALS File No.	L585854	L585854	L585854	L585854	L585854	L585854	L585854	L585854
Date Received	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07
Date	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07

RESULTS OF ANALYSIS

Sample ID		JER-SW1	JER-SW3	JER-SW4	JER-WQ4	JER-WQ6	JER-WQ10	JER-WQ11	JER-WQ13
Date Sampled		10-DEC-07	09-DEC-07	07-DEC-07	08-DEC-07	08-DEC-07	08-DEC-07	07-DEC-07	08-DEC-07
Time Sampled		07:30	18:45	15:15	12:00	12:45	11:30	11:15	13:30
ALS Sample ID		L585854-1	L585854-2	L585854-5	L585854-6	L585854-7	L585854-8	L585854-9	L585854-10
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water
Physical Tests									
Hardness (as CaCO3)	mg/L	36.3	23	115	7.14	5.75	4.78	6.76	36
Conductivity	uS/cm	1140	211	417	18	13.8	11.6	14	93.8
pH		7.49	8.48	7.55	6.76	6.71	6.67	6.78	7.37
Total Dissolved Solids	mg/L	380	118	21	18	17	13	14	66
Total Suspended Solids	mg/L	72.4	2600	6.3	<3.0	<3.0	<3.0	<3.0	<3.0
Turbidity	NTU	52.9	1400	0.23	0.25	0.24	0.21	0.21	0.39
Anions and Nutrients									
Ammonia as N	mg N/L	64.6	2.1	0.849	0.0202	0.0122	0.0123	0.0083	0.0388
Acidity (as CaCO3)	mg/L	33.5	<1.0	3.3	2.1	1.6	1.7	1.5	2.3
Alkalinity, Bicarbonate (as CaCO3)	mg/L	322	43.3	47.8	5.4	4.4	3.8	5	21.5
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0	4.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Total (as CaCO3)	mg/L	322	48.1	47.8	5.4	4.4	3.8	5	21.5
Chloride (Cl)	mg/L	122	11.1	19.5	0.57	<0.50	<0.50	<0.50	6.26
Sulfate (SO4)	mg/L	30	16.2	33.1	1.5	1.11	1.03	0.87	5.99
Nitrate (as N)	mg N/L	0.0053	5.28	22.9	0.167	0.0386	0.0153	<0.0050	2.59
Nitrite (as N)	mg N/L	<0.0010	0.295	0.235	<0.0010	<0.0010	<0.0010	<0.0010	0.0045
Total Kjeldahl Nitrogen	mg N/L	64.3	2.69	1.02	0.42	0.137	0.129	0.173	0.297
Ortho Phosphate as P	mg P/L	7.68	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Dissolved Phosphate As P	mg P/L	7.17	0.0035	0.0025	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Phosphate as P	mg P/L	8.77	1.32	0.0041	0.0026	0.0025	0.003	0.0033	0.0033
Total Metals									
Aluminum (Al)-Total	mg/L	0.543	0.133	0.002	0.0092	0.0104	0.0113	0.0055	0.007
Antimony (Sb)-Total	mg/L	0.00365	0.00088	0.00058	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.00118	0.00036	0.00046	0.00023	0.00015	0.00018	0.00012	0.0002
Barium (Ba)-Total	mg/L	0.0342	0.135	0.107	0.00193	0.00171	0.00165	0.00152	0.00583
Beryllium (Be)-Total	mg/L	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Total	mg/L	0.0045	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	0.029	0.08	0.047	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	mg/L	0.00038	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	14	6.66	26.7	1.45	1.25	1.03	1.38	7.48
Chromium (Cr)-Total	mg/L	0.0089	0.00584	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Total	mg/L	0.00125	0.00114	0.00017	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	0.52	0.00082	0.00119	0.00085	0.00081	0.00078	0.00081	0.00178
Iron (Fe)-Total	mg/L	2.12	0.515	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Lead (Pb)-Total	mg/L	0.0192	0.000124	<0.000050	0.00009	<0.000050	<0.000050	<0.000050	0.000055
Lithium (Li)-Total	mg/L	0.026	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Total	mg/L	4.84	3.08	11.2	0.809	0.638	0.542	0.624	4.08
Manganese (Mn)-Total	mg/L	0.0563	0.00817	0.00604	0.000934	0.000639	0.000619	0.000612	0.00132
Mercury (Hg)-Total	mg/L	0.00012	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	0.00739	0.00669	0.00665	<0.000050	<0.000050	<0.000050	<0.000050	0.000124
Nickel (Ni)-Total	mg/L	0.0264	0.0213	0.00488	<0.00050	<0.00050	<0.00050	<0.00050	0.00091
Potassium (K)-Total	mg/L	21.5	13.1	14.4	<0.50	<0.50	<0.50	<0.50	0.91
Selenium (Se)-Total	mg/L	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	3.47	5.26	3.33	0.143	0.139	0.175	0.28	0.714
Silver (Ag)-Total	mg/L	0.000232	<0.000010	0.000012	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	121	20.3	21.7	0.76	0.59	<0.50	0.55	3.9
Strontium (Sr)-Total	mg/L	0.0293	0.218	0.691	0.00779	0.0061	0.005	0.0059	0.0248
Thallium (Tl)-Total	mg/L	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	0.00173	<0.00010	<0.00010	0.00278	0.0019	0.0018	0.039	0.00151
Titanium (Ti)-Total	mg/L	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	mg/L	0.000539	0.000143	0.00123	0.000124	0.000129	0.000133	0.000089	0.00104
Vanadium (V)-Total	mg/L	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.627	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	0.0013	<0.0010

TABLE 2 - November 2007

Project	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO
Report To									
ALS File No.	L585854	L585854	L585854	L585854	L585854	L585854	L585854	L585854	L585854
Date Received	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07	11-Dec-07
Date	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07	14-Dec-07

RESULTS OF ANALYSIS

Sample ID		JER-SW1	JER-SW3	JER-SW4	JER-WQ4	JER-WQ6	JER-WQ10	JER-WQ11	JER-WQ13
Date Sampled		10-DEC-07	09-DEC-07	07-DEC-07	08-DEC-07	08-DEC-07	08-DEC-07	07-DEC-07	08-DEC-07
Time Sampled		07:30	18:45	15:15	12:00	12:45	11:30	11:15	13:30
ALS Sample ID		L585854-1	L585854-2	L585854-5	L585854-6	L585854-7	L585854-8	L585854-9	L585854-10
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water
Dissolved Metals									
Aluminum (Al)-Dissolved	mg/L	0.0323	0.0034	0.0015	0.007	0.0087	0.0093	0.0054	0.0066
Antimony (Sb)-Dissolved	mg/L	0.00081	0.00118	0.00058	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Dissolved	mg/L	0.00058	0.00035	0.00045	0.0002	0.00015	0.00016	0.00015	0.0002
Barium (Ba)-Dissolved	mg/L	0.00818	0.134	0.107	0.00198	0.00166	0.00157	0.00146	0.00571
Beryllium (Be)-Dissolved	mg/L	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Dissolved	mg/L	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Dissolved	mg/L	0.028	0.081	0.048	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Dissolved	mg/L	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Dissolved	mg/L	9.62	6.73	27.1	1.5	1.25	1.01	1.56	7.68
Chromium (Cr)-Dissolved	mg/L	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Dissolved	mg/L	<0.00020	<0.00010	0.00015	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Dissolved	mg/L	0.0251	<0.00020	0.00094	0.00082	<0.00090	<0.00080	<0.0010	0.00178
Iron (Fe)-Dissolved	mg/L	0.429	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Lead (Pb)-Dissolved	mg/L	0.00028	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000051
Lithium (Li)-Dissolved	mg/L	0.025	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Dissolved	mg/L	2.97	1.5	11.5	0.822	0.637	0.546	0.693	4.09
Manganese (Mn)-Dissolved	mg/L	0.0282	0.000654	0.000695	0.000196	0.000081	0.000119	0.000137	0.00089
Mercury (Hg)-Dissolved	mg/L	0.000103	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Dissolved	mg/L	0.00054	0.00734	0.00706	<0.000050	<0.000050	<0.000050	<0.000050	0.000129
Nickel (Ni)-Dissolved	mg/L	0.0053	0.00208	0.00469	<0.00050	<0.00050	<0.00050	<0.00050	0.00089
Potassium (K)-Dissolved	mg/L	20.6	13.8	14.4	<0.50	<0.50	<0.50	<0.50	0.9
Selenium (Se)-Dissolved	mg/L	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Dissolved	mg/L	2.09	4.4	3.3	0.121	0.13	0.179	0.275	0.697
Silver (Ag)-Dissolved	mg/L	<0.000020	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Dissolved	mg/L	122	21.6	22.2	0.79	0.59	<0.50	0.62	3.98
Strontium (Sr)-Dissolved	mg/L	0.0227	0.227	0.691	0.00781	0.00562	0.00503	0.00604	0.0245
Thallium (Tl)-Dissolved	mg/L	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	mg/L	0.00262	<0.00010	<0.0010	0.00344	0.00171	0.00055	0.00304	0.00119
Titanium (Ti)-Dissolved	mg/L	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	mg/L	0.000116	0.000018	0.00128	0.000107	0.000117	0.000114	0.000084	0.000967
Vanadium (V)-Dissolved	mg/L	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Dissolved	mg/L	0.0198	<0.0010	<0.0010	0.0012	0.0013	<0.0010	0.0012	0.0012
Aggregate Organics									
Oil and Grease	mg/L	3.3	-	-	-	-	-	-	-
Organic Parameters									
Total Inorganic Carbon	mg/L	58.7	41.8	9.02	0.85	0.7	0.56	0.82	3.8
Total Organic Carbon	mg/L	77.5	1.51	2.94	3.06	3.01	2.84	2.93	5.24
Taiga Labs									
Taiga File No.		270911							
Date Received		17-Dec-07							
Date		17-Dec-07							
Matrix		Water							
Biochemical Oxygen Demand	mg/L	59							
Fecal Coleform	CFU/100 mL	200,000							
Field Measurements									
Field Water Temperature	deg C	17.9	15.89	2.28	1.34	0.58	1.08	1.73	2.44
Field Conductivity	uS/cm	N/A	1175	445	22	17	14	16	100
Field DO	%	N/A	3.2	74.9	108.4	104.5	101.7	103.7	97.1
Field DO	mg/L	0.25	0.31	10.42	15.29	15.09	14.41	14.5	13.23
Field pH		7.89	7.09	7.09	6.44	7.77	6.56	6.7	7.81
Field ORP	mV	N/A	-47.9	195	153.3	1069	158.3	145.1	68.3

Field measurements for SW1 were collected with the December 17 sample

Project	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO
Report To									
ALS File No.	L585854	L585854	L587890	L587890	L588743	L588743	L588743	L588743	L588743
Date Received	11-Dec-07	11-Dec-07	18-Dec-07	18-Dec-07	19-Dec-07	19-Dec-07	19-Dec-07	19-Dec-07	19-Dec-07
Date	14-Dec-07	14-Dec-07	7-Jan-08	7-Jan-08	8-Jan-08	8-Jan-08	8-Jan-08	8-Jan-08	8-Jan-08

RESULTS OF #

Sample ID		FIELD BLANKS	TRIP BLANKS	JER-WQ6	JER-WQ-16	JER-WQ8	JER-WQ9	FIELD BLANKS	TRAVEL BLANKS
Date Sampled		07-DEC-07	10-DEC-07	17-DEC-07	17-DEC-07	18-DEC-07	18-DEC-07	18-Dec-07	18-Dec-07
Time Sampled		12:15	00:00	13:52	11:45	13:25	14:00	12:15	00:00
ALS Sample ID		L585854-11	L585854-12	L587890-1	L587890-2	L588743-1	L588743-2	L588743-3	L588743-4
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water
Hardness (as CaCO3)	mg/L	<0.50	<0.50	6.89	10.7	6.18	7.86	-	-
Conductivity	uS/cm	<2.0	<2.0	18.9	24.4	15.3	20.2	<2.0	<2.0
pH		5.65	5.53	8.56	7.7	6.49	7.3	5.7	5.64
Total Dissolved Solids	mg/L	<10	<10	16	22	13	17	<10	<10
Total Suspended Solids	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Turbidity	NTU	<0.10	<0.10	0.45	0.84	0.31	0.29	<0.10	<0.10
Ammonia as N	mg N/L	0.0052	<0.0050	0.0244	0.0263	0.0204	0.0187	0.0122	0.0169
Acidity (as CaCO3)	mg/L	1.5	1.5	<1.0	1.4	1.6	2.4	1.9	1.8
Alkalinity, Bicarbonate (as CaCO3)	mg/L	<1.0	2	5.6	9.3	6.2	7.2	1.6	2
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Total (as CaCO3)	mg/L	<1.0	2	5.6	9.3	6.2	7.2	1.6	2
Chloride (Cl)	mg/L	<0.50	<0.50	<0.50	0.58	<0.50	0.57	<0.50	<0.50
Sulfate (SO4)	mg/L	<0.50	<0.50	1.76	1.15	1.22	1.47	<0.50	<0.50
Nitrate (as N)	mg N/L	<0.0050	<0.0050	0.0395	0.0774	0.0051	0.0333	<0.0050	<0.0050
Nitrite (as N)	mg N/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Kjeldahl Nitrogen	mg N/L	-	-	-	-	0.15	0.154	-	-
Ortho Phosphate as P	mg P/L	<0.0010	<0.0010	<0.0010	<0.0010	0.001	<0.0010	<0.0010	<0.0010
Total Dissolved Phosphate As P	mg P/L	<0.0020	<0.0020	<0.0020	<0.0020	0.0025	0.0022	<0.0020	<0.0020
Total Phosphate as P	mg P/L	<0.0020	<0.0020	0.0034	0.0053	0.0056	0.0045	<0.0020	0.0023
Aluminum (Al)-Total	mg/L	<0.0010	<0.0010	0.013	0.0138	0.0086	0.0108	<0.0010	<0.0010
Antimony (Sb)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	<0.00010	<0.00010	0.00017	0.00018	0.00019	0.00019	<0.00010	<0.00010
Barium (Ba)-Total	mg/L	<0.000050	<0.000050	0.00237	0.00272	0.00193	0.00248	<0.000050	<0.000050
Beryllium (Be)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	<0.050	<0.050	1.53	2.5	1.37	1.71	<0.050	<0.050
Chromium (Cr)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	<0.00010	<0.00010	0.00115	0.00157	0.00935	0.00104	<0.00010	<0.00010
Iron (Fe)-Total	mg/L	<0.030	<0.030	<0.030	<0.030	0.07	<0.030	<0.030	<0.030
Lead (Pb)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Total	mg/L	<0.050	<0.050	0.823	1.14	0.689	0.835	<0.050	<0.050
Manganese (Mn)-Total	mg/L	<0.000050	<0.000050	0.000716	0.00162	0.000782	0.00461	<0.000050	<0.000050
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel (Ni)-Total	mg/L	<0.00050	<0.00050	<0.00050	0.00055	0.00174	<0.00050	<0.00050	<0.00050
Potassium (K)-Total	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	<0.050	<0.050	0.165	0.247	0.167	0.198	<0.050	<0.050
Silver (Ag)-Total	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	<0.50	<0.50	0.71	0.63	0.59	0.76	<0.50	<0.50
Strontium (Sr)-Total	mg/L	<0.00010	<0.00010	0.00671	0.00679	0.00607	0.00746	<0.00010	<0.00010
Thallium (Tl)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	<0.00010	<0.00010	0.00483	0.0107	0.00154	0.00745	<0.00010	<0.00010
Titanium (Ti)-Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	mg/L	<0.000010	<0.000010	0.000168	0.000087	0.000121	0.000133	<0.000010	<0.000010
Vanadium (V)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	<0.0010	<0.0010	0.0047	0.0057	0.006	0.0024	<0.0010	<0.0010

Project	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO
Report To									
ALS File No.	L585854	L585854	L587890	L587890	L588743	L588743	L588743	L588743	L588743
Date Received	11-Dec-07	11-Dec-07	18-Dec-07	18-Dec-07	19-Dec-07	19-Dec-07	19-Dec-07	19-Dec-07	19-Dec-07
Date	14-Dec-07	14-Dec-07	7-Jan-08	7-Jan-08	8-Jan-08	8-Jan-08	8-Jan-08	8-Jan-08	8-Jan-08

RESULTS OF #

Sample ID		FIELD BLANKS	TRIP BLANKS	JER-WQ6	JER-WQ-16	JER-WQ8	JER-WQ9	FIELD BLANKS	TRAVEL BLANKS
Date Sampled		07-DEC-07	10-DEC-07	17-DEC-07	17-DEC-07	18-DEC-07	18-DEC-07	18-Dec-07	18-Dec-07
Time Sampled		12:15	00:00	13:52	11:45	13:25	14:00	12:15	00:00
ALS Sample ID		L585854-11	L585854-12	L587890-1	L587890-2	L588743-1	L588743-2	L588743-3	L588743-4
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water
Aluminum (Al)-Dissolved	mg/L	-	-	0.0097	0.0102	0.0078	0.0084	-	-
Antimony (Sb)-Dissolved	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	-	-
Arsenic (As)-Dissolved	mg/L	-	-	0.00017	0.00017	0.00019	0.00017	-	-
Barium (Ba)-Dissolved	mg/L	-	-	0.00209	0.00251	0.00203	0.00247	-	-
Beryllium (Be)-Dissolved	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	-	-
Bismuth (Bi)-Dissolved	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	-	-
Boron (B)-Dissolved	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	-	-
Cadmium (Cd)-Dissolved	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	-	-
Calcium (Ca)-Dissolved	mg/L	-	-	1.44	2.44	1.41	1.73	-	-
Chromium (Cr)-Dissolved	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	-	-
Cobalt (Co)-Dissolved	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	-	-
Copper (Cu)-Dissolved	mg/L	-	-	0.00091	0.00126	0.00115	0.00096	-	-
Iron (Fe)-Dissolved	mg/L	-	-	<0.030	<0.030	<0.030	<0.030	-	-
Lead (Pb)-Dissolved	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	-	-
Lithium (Li)-Dissolved	mg/L	-	-	<0.0050	<0.0050	<0.0050	<0.0050	-	-
Magnesium (Mg)-Dissolved	mg/L	-	-	0.8	1.13	0.648	0.862	-	-
Manganese (Mn)-Dissolved	mg/L	-	-	0.000208	0.000398	0.000276	0.00197	-	-
Mercury (Hg)-Dissolved	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	-	-
Molybdenum (Mo)-Dissolved	mg/L	-	-	<0.000050	<0.000050	<0.000050	<0.000050	-	-
Nickel (Ni)-Dissolved	mg/L	-	-	<0.00050	<0.00050	<0.00050	<0.00050	-	-
Potassium (K)-Dissolved	mg/L	-	-	<0.50	<0.50	<0.50	<0.50	-	-
Selenium (Se)-Dissolved	mg/L	-	-	<0.0010	<0.0010	<0.0010	<0.0010	-	-
Silicon (Si)-Dissolved	mg/L	-	-	0.152	0.225	0.106	0.191	-	-
Silver (Ag)-Dissolved	mg/L	-	-	<0.000010	<0.000010	<0.000010	<0.000010	-	-
Sodium (Na)-Dissolved	mg/L	-	-	0.73	0.63	0.66	0.79	-	-
Strontium (Sr)-Dissolved	mg/L	-	-	0.00646	0.0066	0.00628	0.00766	-	-
Thallium (Tl)-Dissolved	mg/L	-	-	<0.00010	<0.00010	<0.00010	<0.00010	-	-
Tin (Sn)-Dissolved	mg/L	-	-	0.00508	0.00239	0.00273	0.00378	-	-
Titanium (Ti)-Dissolved	mg/L	-	-	<0.010	<0.010	<0.010	<0.010	-	-
Uranium (U)-Dissolved	mg/L	-	-	0.000151	0.000085	0.000112	0.000129	-	-
Vanadium (V)-Dissolved	mg/L	-	-	<0.0010	<0.0010	<0.0010	<0.0010	-	-
Zinc (Zn)-Dissolved	mg/L	-	-	0.0054	0.0039	0.0022	0.0017	-	-
Oil and Grease	mg/L	-	-	-	-	-	-	-	-
Total Inorganic Carbon	mg/L	<0.50	<0.50	0.98	1.74	0.91	1.29	<0.50	<0.50
Total Organic Carbon	mg/L	<0.50	<0.50	3.48	4.3	3.64	3.88	<0.50	<0.50
Taiga File No.									
Date Received									
Date									
Matrix									
Biochemical Oxygen Demand	mg/L								
Fecal Coleform	CFU/100 mL								
Field Water Temperature	deg C	-	-	0.89	2.7	2.99	1.07		
Field Conductivity	uS/cm	-	-	17	24	19	28		
Field DO	%	-	-	107.2	108.5	106.9	108.2		
Field DO	mg/L	-	-	14.88	15.55	14.28	15.41		
Field pH		-	-	5.49	5.7	5.44	5.44		
Field ORP	mV	-	-	43.6	31	39.4	39.4		

Table 3: Flow and Volume Measurements-Part K Item 12 and 13

DATE	Carat Lake Freshwater Use (m3) (Camp and Emulsion Plant) - Daily	Carat Lake Freshwater Use (m3) (Construction Requirements) - Daily	Treated Sewage Effluent to PKC (Long Lake) (m3) - Daily Calculated	Sewage Sludge Removed (m3)	Pit Pond Water to Long Lake (m3) - Daily	East Sump pond to PKC (Long Lake) (m3) - Daily	Other waters to PKC (Long Lake) (m3)	Water Discharged from PKC (m3)	PKC Water Recycled (m3)	Process Plant Fresh Water (m3)	Process Plant Water Discharged to PKC (m3)	Coarse Rejects (tonnes)	Fine Rejects to PKC (tonnes)	Ore Processed (tonnes)	Quantity of Waste Rock (tonnes)	Quantity of Esker (tonnes)	Quantity of till (tonnes)
1-Dec	31.5		22.1	Monthly			Monthly		Monthly	925.1	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
2-Dec	50.1		35.1							985.4							
3-Dec	43.5		30.5							944.5							
4-Dec	22.8		16.0							1038.7							
5-Dec	26.2		18.3							941.8							
6-Dec	25.0		17.5							1020.9							
7-Dec	24.2		16.9							1119.0							
8-Dec	24.3		17.0							1094.0							
9-Dec	24.7		17.3							1034.3							
10-Dec	30.0		21.0							986.1							
11-Dec	27.8		19.5							1107.0							
12-Dec	33.4		23.4							962.3							
13-Dec	18.3		12.8							728.3							
14-Dec	24.6		17.2							794.5							
15-Dec	24.3		17.0							871.9							
16-Dec	26.6		18.6							896.7							
17-Dec	32.8		23.0							813.2							
18-Dec	25.1		17.6							342.6							
19-Dec	29.5		20.7							836.6							
20-Dec	24.6		17.2							911.8							
21-Dec	36.1		25.3							882.2							
22-Dec	23.0		16.1							1001.6							
23-Dec	24.5		17.2							1047.1							
24-Dec	16.3		11.4							1096.5							
25-Dec	24.9		17.4							1185.8							
26-Dec	36.3		25.4							1257.1							
27-Dec	24.9		17.4							1149.3							
28-Dec	24.9		17.4							1227.3							
29-Dec	15.2		10.6							1226.6							
30-Dec	24.1		16.9							1271.9							
31-Dec	24.2		16.9							1229.3							
Total	843.6	1.0	590.5	34	0.0	0.0	0.0	0.0	0.0	30929.4	26347	47521	12376	52107	404580	0.0	0.0