



October 27th , 2006

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

RE: Water License NWB1JER0410 Monthly SNP Report – September 2006

Following is monthly report for September 2006 as required under Water Licence NWB1JER0410.

SNP Sampling

During the month of September 2006, 31 samples were collected as part of the SNP sampling program. Sampling occurred at 20 monitoring stations and included 3 field replicates, 3 field blanks and 3 travel blanks. A summary of the September 2006 sampling is provided in Table 1

The September monthly sample at JER-SW1 was collected on October 2nd. The sample could have been collected on September 29th however this was a Friday and the sample would not have been received by the lab until Monday October 2nd, exceeding holding times for biological parameters. The decision was made to wait until the Monday October 2nd to collect this sample.

Sampling at JER-WQ2 requires that in addition to regular weekly sampling; that includes routine, ICP-T, ICP-D and nutrients that on a monthly basis biological parameters are also included. Discharge from the PKCA was discontinued from September 14th to September 27 to conduct pump maintenance. Upon recommencement of pumping on September 28th the biological samples were not collected. Biological sampling requirements have been collected for the October sample. The sample lid for JER-WQ2 sample collected on 9/8/2006 was broken in transit from Jericho to the AMEC Laboratory. As a result routine parameters for this particular sample are unavailable.

Acute Toxicity sampling was also conducted at JER-WQ2 as required under Part G 7, samples passed for both trout and daphnia. A copy of the laboratory report is included in Appendix A.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
JER-SW1	10/2/2006	06-12308	The monthly was collected October 2nd
JER-SW2	9/14/2006	06-11364	
JER-SW3	9/13/2006	06-11365	
JER-SW4	9/24/2006	06-11732	
	9/24/2006	06-11733	QA/QC, Field Replicate
JER-SW8	9/24/2006	06-11734	
JER-WQ1	9/11/2006	06-11252	
JER-WQ2	9/1/2006	06-10791	
	9/1/2006	06-10792	QA/QC, Field Replicate
	9/8/2006	06-11251	Sample lid broken in transit no routine parameters available
	9/11/2006	06-11255	
JER-WQ3	9/5/2006	06-10854	
JER-WQ4	9/5/2006	06-10848	
JER-WQ5	9/5/2006	06-10853	
JER-WQ6	9/10/2006	06-11253	
JER-WQ7	9/10/2006	06-11254	
JER-WQ8	9/5/2006	06-10849	
JER-WQ9	9/5/2006	06-10850	
JER-WQ10	9/5/2006	06-10847	
JER-WQ11	9/5/2006	06-10846	
JER-WQ12	9/12/2006	06-11362	
	9/12/2006	06-11363	QA/QC, Field Replicate
JER-WQ13	9/5/2006	06-10852	
JER-WQ14	9/5/2006	06-10851	
JER-WQ15	9/24/2006	06-11731	
SNPFB	9/1/2006	06-10793	QA/QC, Field Blank
	9/12/2006	06-11367	QA/QC, Field Blank
	9/24/2006	06-11736	QA/QC, Field Blank
SNPTB	9/1/2006	06-10794	QA/QC, Travel Blank
	9/12/2006	06-11366	QA/QC, Travel Blank
	9/24/2006	06-11735	QA/QC, Travel Blank

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 September 2006.

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.

Monthly consumption rates of freshwater from Carat Lake have been higher than anticipated. This has been due primarily to initial thickener operations taking several months to operate at normal density levels; which is typical of new operations. The reclaim system was set up in August and operated in September. Additional modifications were also made to recovery circuits to switch them from raw water (Carat Lake) to process water in order to reduce fresh water consumption. Reclaimed water for the month of September was 10,768.6m³ however most of this water was not able to be used and was recirculated to the PKCA. As a result of process modifications and future reclaim from June through October; monthly water consumption can be reduced sufficiently and the maximum water use of 350400 m³ will be met for 2007. The table below summarizes monthly water use from Carat and reclaim volumes to date.

Month	Carat Lake Freshwater Use (m3) (Camp)	Process Water Carat Lake (m3)	PKC Water Reclaimed (m3)
38718	941.25	1976.2	0
38749	1669.1	36559.1	0
38777	901.2	35119.29	0
38808	786.8	32424.6	0
38838	710.3	34119.2	0
38869	769	33253.5	0
38899	786.8	36263.7	0
38930	682.2	41059.9	0
38961	555.5	28245.3	10768.6

C) Toxicology Results

Results of the Toxicology sampling required under Part G 7 can be found in Appendix A

D) Thermistor Readings

Results of thermistor readings taken at the East and West dams is presented in Appendix B

Should you have any questions regarding the monthly report for September 2006 please contact the undersigned at 780 644-9129 or environment@tahera.com.

Regards,

Mike Tanguay
HSE Manager



Water Sampling and Analysis Results

Table 2: Water Sampling and Analysis

JER-SW1		
Collect Date/Time		10/2/2006
Sample No.		06-12308
Sample Class		M
		September sample collected in October, report on September monthly report
Sample Comments		
Water Temperature	Deg C	21.68
Field pH	pH	7.51
Field Conductivity	us/cm	817
Oxidation Reduction Potential	mV	621.20
Biochemical Oxygen Demand	mg/L	10
MF - Fecal Coliforms	CFU/100mL	470000
Ammonia - Nitrogen	mg/L	57.2
Nitrite - Nitrogen	mg/L	0.50
Nitrate - Nitrogen	mg/L	0.17
Phosphate - Ortho - Phosphoru	mg/L	6.50
Carbon (Total Organic)	mg/L	35.9
Carbon (Total Inorganic)	mg/L	55.2
Turbidity	NTU	13
Total Suspended Solids @105°C	mg/L	10
T-Hardness as CaCO3	mg/L	28.8
T-Dissolved Solids180°C	mg/L	356
T-Alkalinity as CaCO3	mg/L	246
Sulphate	mg/L	60.7
pH @ 25°C	pH	7.75
Hydroxide (as CaCO3)	mg/L	<1
Fluoride	mg/L	0.05
Conductivity @ 25°C	us/cm	780
Chloride	mg/L	42.2
Carbonate	mg/L	<1
Bicarbonate	mg/L	301
Balance (+ions/-ions)	Ratio	0.63
Acidity as CaCO3	mg/L	-214
Total Arsenic	mg/L	0.0007
Total Antimony	mg/L	0.00089
Total Aluminum	mg/L	0.0621
Total Barium	mg/L	0.00832
Total Beryllium	mg/L	<0.0001
Total Boron	mg/L	0.029
Total Cadmium	mg/L	0.00004
Total Calcium	mg/L	8.05
Total Chromium	mg/L	0.0032
Total Cobalt	mg/L	0.00025
Total Copper	mg/L	0.0809
Total Iron	mg/L	0.69
Total Lead	mg/L	0.00093
Total Lithium	mg/L	0.036

Total Magnesium	mg/L	2.76
Total Manganese	mg/L	0.02
Total Mercury	mg/L	<0.00005
Total Molybdenum	mg/L	0.00104
Total Nickel	mg/L	0.0052
Total Phosphorus	mg/L	9.14
Total Potassium	mg/L	21.3
Total Selenium	mg/L	<0.0010
Total Silicon	mg/L	2.57
Total Silver	mg/L	<0.0001
Total Sodium	mg/L	78.2
Total Strontium	mg/L	0.0168
Total Thallium	mg/L	<0.00005
Total Tin	mg/L	0.0012
Total Titanium	mg/L	<0.0005
Total Uranium	mg/L	0.00011
Total Vanadium	mg/L	0.0006
Total Zinc	mg/L	0.048
Dissolved Aluminum	mg/L	0.030
Dissolved Antimony	mg/L	0.00115
Dissolved Arsenic	mg/L	0.0007
Dissolved Barium	mg/L	0.00720
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	0.027
Dissolved Cadmium	mg/L	0.00003
Dissolved Calcium	mg/L	7.6
Dissolved Chromium	mg/L	0.0048
Dissolved Cobalt	mg/L	0.00020
Dissolved Copper	mg/L	0.0525
Dissolved Iron	mg/L	0.55
Dissolved Lead	mg/L	0.00074
Dissolved Lithium	mg/L	0.0317
Dissolved Magnesium	mg/L	2.4
Dissolved Manganese	mg/L	0.018
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	0.00095
Dissolved Nickel	mg/L	0.00337
Dissolved Phosphorus	mg/L	8.34
Dissolved Potassium	mg/L	21.1
Dissolved Selenium	mg/L	0.0008
Dissolved Silicon	mg/L	2.30
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	81.1
Dissolved Strontium	mg/L	0.0158
Dissolved Thallium	mg/L	0.00009
Dissolved Tin	mg/L	0.0010
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00013
Dissolved Vanadium	mg/L	0.0038
Dissolved Zinc	mg/L	0.026

JER-SW2

Collect Date/Time	9/14/2006
Sample No.	06-11364
Sample Class	M
Sample Comments	
Water Temperature	Deg C 3.02
Field pH	pH 8.16
Field Conductivity	us/cm 654
Oxidation Reduction Potential	mV 254.80
Ammonia - Nitrogen	mg/L 14.5
Nitrite - Nitrogen	mg/L 2.11
Nitrate - Nitrogen	mg/L 65.9
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 5.0
Carbon (Total Inorganic)	mg/L 11.6
Turbidity	NTU 10
Total Suspended Solids @105°C	mg/L 3
T-Hardness as CaCO3	mg/L 272
T-Dissolved Solids180°C	mg/L 550
T-Alkalinity as CaCO3	mg/L 61
Sulphate	mg/L 41.7
pH @ 25°C	pH 8.10
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.11
Conductivity @ 25°C	us/cm 852
Chloride	mg/L 21.3
Carbonate	mg/L <1
Bicarbonate	mg/L 74
Balance (+ions/-ions)	Ratio 0.87
Acidity as CaCO3	mg/L 6
Total Arsenic	mg/L 0.0012
Total Antimony	mg/L 0.00039
Total Aluminum	mg/L 0.0764
Total Barium	mg/L 0.442
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.065
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 54.2
Total Chromium	mg/L 0.0014
Total Cobalt	mg/L 0.00182
Total Copper	mg/L 0.0087
Total Iron	mg/L 0.23
Total Lead	mg/L 0.00023
Total Lithium	mg/L 0.006
Total Magnesium	mg/L 38.1
Total Manganese	mg/L 0.03
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L 0.0254
Total Nickel	mg/L 0.0358
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L 14.8

Total Selenium	mg/L	<0.0010
Total Silicon	mg/L	3.35
Total Silver	mg/L	<0.0001
Total Sodium	mg/L	20.7
Total Strontium	mg/L	2.17
Total Thallium	mg/L	<0.00005
Total Tin	mg/L	0.0008
Total Titanium	mg/L	0.0046
Total Uranium	mg/L	0.0174
Total Vanadium	mg/L	0.0007
Total Zinc	mg/L	0.002
Dissolved Aluminum	mg/L	<0.002
Dissolved Antimony	mg/L	0.00038
Dissolved Arsenic	mg/L	0.0010
Dissolved Barium	mg/L	0.412
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	0.054
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	52.1
Dissolved Chromium	mg/L	0.0016
Dissolved Cobalt	mg/L	0.00146
Dissolved Copper	mg/L	0.0067
Dissolved Iron	mg/L	0.17
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	0.0048
Dissolved Magnesium	mg/L	34.5
Dissolved Manganese	mg/L	0.031
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	0.0233
Dissolved Nickel	mg/L	0.0289
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	13.2
Dissolved Selenium	mg/L	0.0013
Dissolved Silicon	mg/L	3.16
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	17.4
Dissolved Strontium	mg/L	2.09
Dissolved Thallium	mg/L	0.00013
Dissolved Tin	mg/L	0.0009
Dissolved Titanium	mg/L	0.0010
Dissolved Uranium	mg/L	0.0171
Dissolved Vanadium	mg/L	0.0011
Dissolved Zinc	mg/L	<0.001

JER-SW3

Collect Date/Time	9/13/2006
Sample No.	06-11365
Sample Class	M
Sample Comments	
Water Temperature	Deg C 18.98
Field pH	pH 9.07
Field Conductivity	us/cm 178
Oxidation Reduction Potential	mV 242.60
Ammonia - Nitrogen	mg/L 2.62
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L 5.47
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 1.0
Carbon (Total Inorganic)	mg/L 6.4
Turbidity	NTU 2
Total Suspended Solids @105°C	mg/L 3
T-Hardness as CaCO3	mg/L 60.5
T-Dissolved Solids180°C	mg/L 112
T-Alkalinity as CaCO3	mg/L 48
Sulphate	mg/L 17.5
pH @ 25°C	pH 9.20
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.65
Conductivity @ 25°C	us/cm 211
Chloride	mg/L 9.9
Carbonate	mg/L <1
Bicarbonate	mg/L 42
Balance (+ions/-ions)	Ratio 1.01
Acidity as CaCO3	mg/L <1
Total Arsenic	mg/L 0.0004
Total Antimony	mg/L 0.00064
Total Aluminum	mg/L 0.140
Total Barium	mg/L 0.113
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.090
Total Cadmium	mg/L 0.00006
Total Calcium	mg/L 8.20
Total Chromium	mg/L 0.0050
Total Cobalt	mg/L 0.00087
Total Copper	mg/L 0.0015
Total Iron	mg/L 0.55
Total Lead	mg/L 0.00016
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 11
Total Manganese	mg/L 0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L 0.00469
Total Nickel	mg/L 0.0171
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L 12.1

Total Selenium	mg/L	<0.0010
Total Silicon	mg/L	3.43
Total Silver	mg/L	<0.0001
Total Sodium	mg/L	6.9
Total Strontium	mg/L	0.284
Total Thallium	mg/L	<0.00005
Total Tin	mg/L	<0.0001
Total Titanium	mg/L	0.0152
Total Uranium	mg/L	0.00020
Total Vanadium	mg/L	0.0006
Total Zinc	mg/L	<0.001
Dissolved Aluminum	mg/L	<0.002
Dissolved Antimony	mg/L	0.00055
Dissolved Arsenic	mg/L	0.0003
Dissolved Barium	mg/L	0.0899
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	0.078
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	8.2
Dissolved Chromium	mg/L	0.0009
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0018
Dissolved Iron	mg/L	0.24
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	0.0025
Dissolved Magnesium	mg/L	9.7
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	0.00431
Dissolved Nickel	mg/L	0.00089
Dissolved Phosphorus	mg/L	0.02
Dissolved Potassium	mg/L	11.7
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	2.54
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	6.2
Dissolved Strontium	mg/L	0.286
Dissolved Thallium	mg/L	0.00013
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	<0.00005
Dissolved Vanadium	mg/L	0.0009
Dissolved Zinc	mg/L	<0.001

JER-SW4

Collect Date/Time		9/24/2006	9/24/2006
Sample No.		06-11733	06-11732
Sample Class		F1	M
Sample Comments			
Water Temperature	Deg C	6.14	6.17
Field pH	pH	7.04	7
Field Conductivity	us/cm	197	197
Oxidation Reduction Potential	mV	377.90	377.80
Ammonia - Nitrogen	mg/L	0.02	0.02
Nitrite - Nitrogen	mg/L	<0.05	<0.05
Nitrate - Nitrogen	mg/L	7.48	6.87
Phosphate - Ortho - Phosphoru	mg/L	<0.20	<0.20
Carbon (Total Organic)	mg/L	3.4	3.6
Carbon (Total Inorganic)	mg/L	9	9.1
Turbidity	NTU	2	2
Total Suspended Solids @105°C	mg/L	3	2
T-Hardness as CaCO3	mg/L	65	65
T-Dissolved Solids180°C	mg/L	112	96
T-Alkalinity as CaCO3	mg/L	45	44
Sulphate	mg/L	9.6	9.7
pH @ 25°C	pH	7.67	7.55
Hydroxide (as CaCO3)	mg/L	<1	<1
Fluoride	mg/L	0.13	0.13
Conductivity @ 25°C	us/cm	197	196
Chloride	mg/L	7.6	7.5
Carbonate	mg/L	<1	<1
Bicarbonate	mg/L	55	54
Balance (+ions/-ions)	Ratio	0.90	0.92
Acidity as CaCO3	mg/L	3	4
Total Arsenic	mg/L	0.0005	0.0005
Total Antimony	mg/L	0.00026	0.00028
Total Aluminum	mg/L	0.0126	0.0095
Total Barium	mg/L	0.0425	0.0416
Total Beryllium	mg/L	<0.0001	<0.0001
Total Boron	mg/L	0.022	0.022
Total Cadmium	mg/L	<0.00002	<0.00002
Total Calcium	mg/L	13.8	13.6
Total Chromium	mg/L	0.0009	0.0008
Total Cobalt	mg/L	0.00015	0.00014
Total Copper	mg/L	0.0025	0.0023
Total Iron	mg/L	<0.10	<0.10
Total Lead	mg/L	<0.00005	<0.00005
Total Lithium	mg/L	<0.005	<0.005
Total Magnesium	mg/L	8.13	8.01
Total Manganese	mg/L	0.01	0.01
Total Mercury	mg/L	<0.00005	<0.00005
Total Molybdenum	mg/L	0.00283	0.00279
Total Nickel	mg/L	0.0013	0.0014
Total Phosphorus	mg/L	<0.02	<0.02
Total Potassium	mg/L	4.7	4.6

Total Selenium	mg/L	<0.0010	<0.0010
Total Silicon	mg/L	1.08	1.08
Total Silver	mg/L	<0.0001	<0.0001
Total Sodium	mg/L	6.1	6.0
Total Strontium	mg/L	0.140	0.135
Total Thallium	mg/L	<0.00005	<0.00005
Total Tin	mg/L	<0.0001	<0.0001
Total Titanium	mg/L	<0.0005	<0.0005
Total Uranium	mg/L	0.00132	0.00128
Total Vanadium	mg/L	<0.0005	<0.0005
Total Zinc	mg/L	0.194	<0.001
Dissolved Aluminum	mg/L	0.003	0.004
Dissolved Antimony	mg/L	0.00022	0.00023
Dissolved Arsenic	mg/L	0.0005	0.0005
Dissolved Barium	mg/L	0.0401	0.0399
Dissolved Beryllium	mg/L	<0.0001	<0.0001
Dissolved Boron	mg/L	0.021	0.021
Dissolved Cadmium	mg/L	<0.00002	<0.00002
Dissolved Calcium	mg/L	13.5	13.5
Dissolved Chromium	mg/L	0.0006	0.0004
Dissolved Cobalt	mg/L	0.00008	0.00009
Dissolved Copper	mg/L	0.0047	0.0025
Dissolved Iron	mg/L	<0.10	<0.10
Dissolved Lead	mg/L	<0.00005	<0.00005
Dissolved Lithium	mg/L	0.0015	0.0015
Dissolved Magnesium	mg/L	7.6	7.6
Dissolved Manganese	mg/L	<0.010	<0.010
Dissolved Mercury	mg/L	<0.00005	<0.00005
Dissolved Molybdenum	mg/L	0.00251	0.00257
Dissolved Nickel	mg/L	0.00167	0.00162
Dissolved Phosphorus	mg/L	<0.01	<0.01
Dissolved Potassium	mg/L	4.5	4.2
Dissolved Selenium	mg/L	<0.0006	<0.0006
Dissolved Silicon	mg/L	1.01	1.01
Dissolved Silver	mg/L	<0.00005	<0.00005
Dissolved Sodium	mg/L	5.6	5.6
Dissolved Strontium	mg/L	0.132	0.134
Dissolved Thallium	mg/L	0.00010	0.00010
Dissolved Tin	mg/L	0.0001	<0.0001
Dissolved Titanium	mg/L	<0.0005	<0.0005
Dissolved Uranium	mg/L	0.00108	0.00110
Dissolved Vanadium	mg/L	0.0004	0.0004
Dissolved Zinc	mg/L	<0.001	<0.001

JER-SW8

Collect Date/Time	9/24/2006
Sample No.	06-11734
Sample Class	M
Sample Comments	
Water Temperature	Deg C 5.6
Field pH	pH 7.32
Field Conductivity	us/cm 575
Oxidation Reduction Potential	mV 379.60
Ammonia - Nitrogen	mg/L 4.21
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L 43.5
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 4.9
Carbon (Total Inorganic)	mg/L 9.6
Turbidity	NTU 2
Total Suspended Solids @105°C	mg/L 2
T-Hardness as CaCO3	mg/L 202
T-Dissolved Solids180°C	mg/L 133
T-Alkalinity as CaCO3	mg/L 47
Sulphate	mg/L 26.5
pH @ 25°C	pH 7.66
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.11
Conductivity @ 25°C	us/cm 554
Chloride	mg/L 22.3
Carbonate	mg/L <1
Bicarbonate	mg/L 58
Balance (+ions/-ions)	Ratio 0.90
Acidity as CaCO3	mg/L 4
Total Arsenic	mg/L 0.0009
Total Antimony	mg/L 0.00032
Total Aluminum	mg/L 0.0400
Total Barium	mg/L 0.115
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.040
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 37.9
Total Chromium	mg/L 0.0016
Total Cobalt	mg/L 0.00082
Total Copper	mg/L 0.0027
Total Iron	mg/L <0.10
Total Lead	mg/L 0.00009
Total Lithium	mg/L 0.005
Total Magnesium	mg/L 25.7
Total Manganese	mg/L 0.02
Total Mercury	mg/L 0.00005
Total Molybdenum	mg/L 0.00591
Total Nickel	mg/L 0.0067
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L 8.2

Total Selenium	mg/L	<0.0010
Total Silicon	mg/L	1.49
Total Silver	mg/L	<0.0001
Total Sodium	mg/L	12.4
Total Strontium	mg/L	0.628
Total Thallium	mg/L	<0.00005
Total Tin	mg/L	0.0005
Total Titanium	mg/L	0.0032
Total Uranium	mg/L	0.0152
Total Vanadium	mg/L	<0.0005
Total Zinc	mg/L	0.018
Dissolved Aluminum	mg/L	0.004
Dissolved Antimony	mg/L	0.00026
Dissolved Arsenic	mg/L	0.0006
Dissolved Barium	mg/L	0.106
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	0.039
Dissolved Cadmium	mg/L	0.00002
Dissolved Calcium	mg/L	40.1
Dissolved Chromium	mg/L	0.0012
Dissolved Cobalt	mg/L	0.00074
Dissolved Copper	mg/L	0.0024
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	0.0047
Dissolved Magnesium	mg/L	24.7
Dissolved Manganese	mg/L	0.016
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	0.00527
Dissolved Nickel	mg/L	0.00625
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	7.8
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	1.32
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	11.4
Dissolved Strontium	mg/L	0.602
Dissolved Thallium	mg/L	0.00017
Dissolved Tin	mg/L	0.0004
Dissolved Titanium	mg/L	0.0007
Dissolved Uranium	mg/L	0.0132
Dissolved Vanadium	mg/L	0.0004
Dissolved Zinc	mg/L	0.002

JER-WQ1

Collect Date/Time	9/11/2006
Sample No.	06-11252
Sample Class	M
Sample Comments	
Water Temperature	Deg C 9.87
Field pH	pH 5.52
Field Conductivity	us/cm 9
Oxidation Reduction Potential	mV 292.00
MF - Fecal Coliforms	CFU/100mL <1
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
Total Arsenic	mg/L <0.0002
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0210
Total Barium	mg/L 0.00187
Total Beryllium	mg/L 0.0002
Total Boron	mg/L 0.002
Total Cadmium	mg/L 0.00004
Total Calcium	mg/L 1.04
Total Chromium	mg/L 0.0043
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.54
Total Manganese	mg/L <0.010
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L 0.0003
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.16
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0052
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00014
Total Vanadium	mg/L 0.0028
Total Zinc	mg/L 0.002
Dissolved Aluminum	mg/L 0.013
Dissolved Antimony	mg/L <0.00005
Dissolved Arsenic	mg/L <0.0001
Dissolved Barium	mg/L 0.00215
Dissolved Beryllium	mg/L <0.0001
Dissolved Boron	mg/L 0.002
Dissolved Cadmium	mg/L 0.00002

Dissolved Calcium	mg/L	0.45
Dissolved Chromium	mg/L	0.0011
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	<0.0001
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	0.00008
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.38
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	0.00008
Dissolved Nickel	mg/L	0.00026
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.14
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0051
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00011
Dissolved Vanadium	mg/L	0.0005
Dissolved Zinc	mg/L	0.002

JER-WQ2

Collect Date/Time		9/1/2006	9/1/2006	9/8/2006	9/11/2006
Sample No.		06-10791	06-10792	06-11251	06-11255
Sample Class		M	F1	M	M
Sample Comments				Sample lid for the routine bottle was broken upon receipt at the lab. Therefore no routine parameters are available.	
Water Temperature	Deg C	9.58	9.11	9.13	9.46
Field pH	pH	6.52	6.85	7.27	7.04
Field Conductivity	us/cm	171	171	135	138
Oxidation Reduction Potential	mV	363.30	371.80	396.10	262.10
Biochemical Oxygen Demand	mg/L				
MF - Fecal Coliforms	CFU/100mL				
Oil & Grease (Infrared)	mg/L				
Ammonia - Nitrogen	mg/L	0.03	0.03	0.03	0.02
Nitrite - Nitrogen	mg/L	<0.05	<0.05		<0.05
Nitrate - Nitrogen	mg/L	6.02	5.90		7.40
Phosphate - Ortho - Phosphoru	mg/L	<0.20	<0.20		<0.20
Carbon (Total Organic)	mg/L	4.0	3.9		3.5
Carbon (Total Inorganic)	mg/L	9.5	8.9		8.8
Turbidity	NTU	2	2		2
Total Suspended Solids @105°C	mg/L	<2	<2		2
T-Hardness as CaCO3	mg/L	57.9	56.4		58.6
T-Dissolved Solids180°C	mg/L	108	96		120
T-Alkalinity as CaCO3	mg/L	41	38		41
Sulphate	mg/L	8.3	8.4		8.5
pH @ 25°C	pH	7.46	7.18		7.73
Hydroxide (as CaCO3)	mg/L	<1	<1		<1
Fluoride	mg/L	0.10	0.10		0.11
Conductivity @ 25°C	us/cm	161	158		176
Chloride	mg/L	7.2	7.2		7.2
Carbonate	mg/L	<1	<1		<1
Bicarbonate	mg/L	50	47		50
Balance (+ions/-ions)	Ratio	0.92	0.93		0.87
Acidity as CaCO3	mg/L	3	5		4
Total Arsenic	mg/L	0.0009	0.0007	<0.0002	<0.0002
Total Antimony	mg/L	0.00124	0.00034	0.00130	0.00021
Total Aluminum	mg/L	0.0105	0.0130	0.0143	0.0160
Total Barium	mg/L	0.0273	0.0279	0.0372	0.0362
Total Beryllium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Total Boron	mg/L	0.018	0.017	0.016	0.020
Total Cadmium	mg/L	<0.00002	<0.00002	<0.00002	0.00002
Total Calcium	mg/L	12.9	12.9	13.2	13.4
Total Chromium	mg/L	0.0047	0.0054	0.0102	0.0091
Total Cobalt	mg/L	0.00015	0.00015	0.00008	0.00009
Total Copper	mg/L	0.0039	0.0029	<0.0010	<0.0010
Total Iron	mg/L	<0.10	<0.10	<0.10	<0.10
Total Lead	mg/L	0.00025	0.00011	0.00008	0.00011
Total Lithium	mg/L	<0.005	<0.005	<0.005	<0.005
Total Magnesium	mg/L	6.62	6.62	7.16	7.40
Total Manganese	mg/L	0.02	0.02	0.014	0.01

Total Mercury	mg/L	<0.00005	<0.00005	<0.00005	<0.00005
Total Molybdenum	mg/L	0.00273	0.00265	0.00352	0.00285
Total Nickel	mg/L	0.0023	0.0022	0.0024	0.0021
Total Phosphorus	mg/L	<0.02	<0.02	<0.02	<0.02
Total Potassium	mg/L	3.9	3.9	4.1	4.2
Total Selenium	mg/L	0.0020	0.0017	0.0022	0.0010
Total Silicon	mg/L	1.06	1.08	1.11	1.12
Total Silver	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Total Sodium	mg/L	5.3	5.2	5.6	5.8
Total Strontium	mg/L	0.111	0.110	0.129	0.119
Total Thallium	mg/L	<0.00005	<0.00005	<0.00005	<0.00005
Total Tin	mg/L	0.0003	<0.0001	<0.0001	<0.0001
Total Titanium	mg/L	<0.0005	<0.0005	0.0006	<0.0005
Total Uranium	mg/L	0.00134	0.00134	0.00148	0.00127
Total Vanadium	mg/L	0.0019	0.0020	0.0042	0.0044
Total Zinc	mg/L	0.004	0.003	0.003	0.006
Dissolved Aluminum	mg/L	0.003	0.005		0.018
Dissolved Antimony	mg/L	0.00048	0.00036	0.00045	0.00040
Dissolved Arsenic	mg/L	0.0008	0.0006	<0.0001	<0.0001
Dissolved Barium	mg/L	0.0241	0.0292	0.0358	0.0318
Dissolved Beryllium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Boron	mg/L	0.012	0.013	0.017	0.015
Dissolved Cadmium	mg/L	<0.00002	<0.00002	<0.00002	0.00003
Dissolved Calcium	mg/L	12.7	12.3	11.4	12.6
Dissolved Chromium	mg/L	0.0041	0.0042	0.0073	0.0059
Dissolved Cobalt	mg/L	0.00010	0.00011	0.00010	0.00009
Dissolved Copper	mg/L	0.0018	0.0024	<0.0001	0.0002
Dissolved Iron	mg/L	<0.10	<0.10	<0.10	<0.10
Dissolved Lead	mg/L	0.00014	0.00008	0.00013	0.00010
Dissolved Lithium	mg/L	0.0019	0.0020	0.0014	0.0014
Dissolved Magnesium	mg/L	6.4	6.2	6.60	6.6
Dissolved Manganese	mg/L	0.015	0.016	<0.010	<0.010
Dissolved Mercury	mg/L	<0.00005	<0.00005	<0.00005	<0.00005
Dissolved Molybdenum	mg/L	<0.00005	<0.00005	0.00249	0.00231
Dissolved Nickel	mg/L	0.00172	0.00182	0.00196	0.00194
Dissolved Phosphorus	mg/L	0.01	0.01	<0.01	<0.01
Dissolved Potassium	mg/L	4.1	3.8	3.0	3.9
Dissolved Selenium	mg/L	<0.0006	0.0008	<0.0006	<0.0006
Dissolved Silicon	mg/L	1.03	1.05	1.09	1.05
Dissolved Silver	mg/L	<0.00005	<0.00005	<0.00005	<0.00005
Dissolved Sodium	mg/L	5.3	5.4	5.2	5.5
Dissolved Strontium	mg/L	0.0895	0.109	0.113	0.105
Dissolved Thallium	mg/L	0.00005	<0.00005	<0.00005	<0.00005
Dissolved Tin	mg/L	0.0002	<0.0001	<0.0001	<0.0001
Dissolved Titanium	mg/L	<0.0005	<0.0005	<0.0005	0.0009
Dissolved Uranium	mg/L	0.00108	0.00114	0.00112	0.00115
Dissolved Vanadium	mg/L	0.0011	0.0020	0.0027	0.0026
Dissolved Zinc	mg/L	0.001	0.003	0.003	0.005

JER-WQ3

Collect Date/Time	9/5/2006
Sample No.	06-10854
Sample Class	M
Sample Comments	
Water Temperature	Deg C 8.07
Field pH	pH 6.08
Field Conductivity	us/cm 82
Oxidation Reduction Potential	mV 255.00
Ammonia - Nitrogen	mg/L <0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L 4.52
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.5
Carbon (Total Inorganic)	mg/L 3.5
Turbidity	NTU <1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L 32
T-Dissolved Solids180°C	mg/L 30
T-Alkalinity as CaCO3	mg/L 15
Sulphate	mg/L 8.4
pH @ 25°C	pH 7.21
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.04
Conductivity @ 25°C	us/cm 106
Chloride	mg/L 6.7
Carbonate	mg/L <1
Bicarbonate	mg/L 18
Balance (+ions/-ions)	Ratio 0.93
Acidity as CaCO3	mg/L 2
Total Arsenic	mg/L 0.0006
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0192
Total Barium	mg/L 0.0121
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.006
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 6.89
Total Chromium	mg/L 0.0063
Total Cobalt	mg/L 0.00006
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 4.24
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L 0.00020
Total Nickel	mg/L 0.0008
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L 1.6
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.92
Total Silver	mg/L <0.0001
Total Sodium	mg/L 4.4
Total Strontium	mg/L 0.0247
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L <0.00005

Total Vanadium	mg/L	0.0018
Total Zinc	mg/L	0.005
Dissolved Aluminum	mg/L	0.014
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0003
Dissolved Barium	mg/L	0.0125
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	0.002
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	6.3
Dissolved Chromium	mg/L	0.0040
Dissolved Cobalt	mg/L	0.00005
Dissolved Copper	mg/L	0.0005
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	4.0
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00070
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	1.7
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.90
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	5.4
Dissolved Strontium	mg/L	0.0229
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	<0.00005
Dissolved Vanadium	mg/L	0.0014
Dissolved Zinc	mg/L	0.006

JER-WQ4

Collect Date/Time		9/5/2006
Sample No.		06-10848
Sample Class		M
Sample Comments		
Water Temperature	Deg C	9.12
Field pH	pH	6.2
Field Conductivity	us/cm	11
Oxidation Reduction Potential	mV	261.30
Ammonia - Nitrogen	mg/L	<0.01
Nitrite - Nitrogen	mg/L	<0.05
Nitrate - Nitrogen	mg/L	<0.05
Phosphate - Ortho - Phosphoru	mg/L	<0.20
Carbon (Total Organic)	mg/L	2.6
Carbon (Total Inorganic)	mg/L	1.2
Turbidity	NTU	1
Total Suspended Solids @105°C	mg/L	<2
T-Hardness as CaCO3	mg/L	<6
T-Dissolved Solids180°C	mg/L	12
T-Alkalinity as CaCO3	mg/L	7
Sulphate	mg/L	1.7
pH @ 25°C	pH	6.91
Hydroxide (as CaCO3)	mg/L	<1
Fluoride	mg/L	0.04
Conductivity @ 25°C	us/cm	14
Chloride	mg/L	0.5
Carbonate	mg/L	<1
Bicarbonate	mg/L	8
Balance (+ions/-ions)	Ratio	0.75
Acidity as CaCO3	mg/L	2
Total Arsenic	mg/L	0.0003
Total Antimony	mg/L	<0.00005
Total Aluminum	mg/L	0.0177
Total Barium	mg/L	0.00171
Total Beryllium	mg/L	<0.0001
Total Boron	mg/L	0.002
Total Cadmium	mg/L	<0.00002
Total Calcium	mg/L	1.25
Total Chromium	mg/L	0.0017
Total Cobalt	mg/L	<0.00005
Total Copper	mg/L	<0.0010
Total Iron	mg/L	<0.10
Total Lead	mg/L	<0.00005
Total Lithium	mg/L	<0.005
Total Magnesium	mg/L	0.66
Total Manganese	mg/L	<0.01
Total Mercury	mg/L	<0.00005
Total Molybdenum	mg/L	0.00011
Total Nickel	mg/L	0.0003
Total Phosphorus	mg/L	0.02
Total Potassium	mg/L	<0.5
Total Selenium	mg/L	<0.0010
Total Silicon	mg/L	0.23
Total Silver	mg/L	<0.0001
Total Sodium	mg/L	<0.5
Total Strontium	mg/L	0.0054
Total Thallium	mg/L	<0.00005
Total Tin	mg/L	<0.0001
Total Titanium	mg/L	<0.0005
Total Uranium	mg/L	0.00014

Total Vanadium	mg/L	0.0015
Total Zinc	mg/L	0.002
Dissolved Aluminum	mg/L	0.012
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0003
Dissolved Barium	mg/L	0.00084
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	1.3
Dissolved Chromium	mg/L	0.0004
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0002
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.6
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00028
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.23
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	0.6
Dissolved Strontium	mg/L	0.0042
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00011
Dissolved Vanadium	mg/L	0.0009
Dissolved Zinc	mg/L	0.002

JER-WQ5

Collect Date/Time	9/5/2006
Sample No.	06-10853
Sample Class	M
Sample Comments	
Water Temperature	Deg C 8.97
Field pH	pH 6.39
Field Conductivity	us/cm 11
Oxidation Reduction Potential	mV 247.70
Ammonia - Nitrogen	mg/L <0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L 0.06
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.4
Carbon (Total Inorganic)	mg/L 1.3
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 17
T-Alkalinity as CaCO3	mg/L 8
Sulphate	mg/L 2.0
pH @ 25°C	pH 6.89
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.04
Conductivity @ 25°C	us/cm 15
Chloride	mg/L 0.5
Carbonate	mg/L <1
Bicarbonate	mg/L 10
Balance (+ions/-ions)	Ratio 0.67
Acidity as CaCO3	mg/L 2
Total Arsenic	mg/L 0.0002
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0177
Total Barium	mg/L 0.00155
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.001
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 1.29
Total Chromium	mg/L 0.0020
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.66
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L 0.0003
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.28
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0054
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00014

Total Vanadium	mg/L	0.0014
Total Zinc	mg/L	0.002
Dissolved Aluminum	mg/L	0.014
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0003
Dissolved Barium	mg/L	0.00132
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	0.00002
Dissolved Calcium	mg/L	1.3
Dissolved Chromium	mg/L	0.0011
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0010
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.6
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00024
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.29
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	0.7
Dissolved Strontium	mg/L	0.0053
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00011
Dissolved Vanadium	mg/L	0.0007
Dissolved Zinc	mg/L	0.005

JER-WQ6

Collect Date/Time	9/10/2006
Sample No.	06-11253
Sample Class	M
Sample Comments	
Water Temperature	Deg C 10.23
Field pH	pH 5.31
Field Conductivity	us/cm 9
Oxidation Reduction Potential	mV 291.70
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.5
Carbon (Total Inorganic)	mg/L 1.0
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 8
T-Alkalinity as CaCO3	mg/L 9
Sulphate	mg/L <0.5
pH @ 25°C	pH 6.73
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.03
Conductivity @ 25°C	us/cm 14
Chloride	mg/L 0.2
Carbonate	mg/L <1
Bicarbonate	mg/L 11
Balance (+ions/-ions)	Ratio 0.30
Acidity as CaCO3	mg/L 1
Total Arsenic	mg/L <0.0002
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0185
Total Barium	mg/L 0.00182
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.002
Total Cadmium	mg/L 0.00003
Total Calcium	mg/L 1.04
Total Chromium	mg/L 0.0033
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.54
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L <0.0001
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.16
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0050
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00015

Total Vanadium	mg/L	0.0029
Total Zinc	mg/L	0.002
Dissolved Aluminum	mg/L	0.014
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	<0.0001
Dissolved Barium	mg/L	0.00208
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	0.5
Dissolved Chromium	mg/L	0.0008
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	<0.0001
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.4
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00025
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.14
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0052
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00012
Dissolved Vanadium	mg/L	0.0003
Dissolved Zinc	mg/L	0.003

JER-WQ7

Collect Date/Time	9/10/2006
Sample No.	06-11254
Sample Class	M
Sample Comments	
Water Temperature	Deg C 11.25
Field pH	pH 5.65
Field Conductivity	us/cm 9
Oxidation Reduction Potential	mV 277.60
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.6
Carbon (Total Inorganic)	mg/L 1
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 8
T-Alkalinity as CaCO3	mg/L 9
Sulphate	mg/L 0.6
pH @ 25°C	pH 6.75
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.03
Conductivity @ 25°C	us/cm 14
Chloride	mg/L 0.3
Carbonate	mg/L <1
Bicarbonate	mg/L 11
Balance (+ions/-ions)	Ratio 0.28
Acidity as CaCO3	mg/L 1
Total Arsenic	mg/L <0.0002
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0239
Total Barium	mg/L 0.00202
Total Beryllium	mg/L 0.0002
Total Boron	mg/L 0.001
Total Cadmium	mg/L 0.00005
Total Calcium	mg/L 1.08
Total Chromium	mg/L 0.0034
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.55
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L 0.0002
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L 0.0012
Total Silicon	mg/L 0.18
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0052
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00014

Total Vanadium	mg/L	0.0029
Total Zinc	mg/L	0.003
Dissolved Aluminum	mg/L	0.013
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	<0.0001
Dissolved Barium	mg/L	0.00206
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	0.5
Dissolved Chromium	mg/L	0.0005
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	<0.0001
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.4
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00025
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.15
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0052
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00011
Dissolved Vanadium	mg/L	0.0005
Dissolved Zinc	mg/L	0.002

JER-WQ8

Collect Date/Time	9/5/2006
Sample No.	06-10849
Sample Class	M
Sample Comments	
Water Temperature	Deg C 9.11
Field pH	pH 5.92
Field Conductivity	us/cm 9
Oxidation Reduction Potential	mV 299.40
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.6
Carbon (Total Inorganic)	mg/L 1.1
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 14
T-Alkalinity as CaCO3	mg/L 6
Sulphate	mg/L 1.7
pH @ 25°C	pH 6.83
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.04
Conductivity @ 25°C	us/cm 12
Chloride	mg/L 0.4
Carbonate	mg/L <1
Bicarbonate	mg/L 8
Balance (+ions/-ions)	Ratio 0.67
Acidity as CaCO3	mg/L <1
Total Arsenic	mg/L 0.0003
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0164
Total Barium	mg/L 0.00153
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.002
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 1.12
Total Chromium	mg/L 0.0020
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.57
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L 0.0004
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.19
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0048
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00013

Total Vanadium	mg/L	0.0015
Total Zinc	mg/L	0.003
Dissolved Aluminum	mg/L	0.014
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0001
Dissolved Barium	mg/L	0.00162
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	1.0
Dissolved Chromium	mg/L	0.0009
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0003
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.5
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00031
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.19
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0050
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00011
Dissolved Vanadium	mg/L	0.0009
Dissolved Zinc	mg/L	0.004

JER-WQ9

Collect Date/Time	9/5/2006
Sample No.	06-10850
Sample Class	M
Sample Comments	
Water Temperature	Deg C 8.55
Field pH	pH 5.65
Field Conductivity	us/cm 10
Oxidation Reduction Potential	mV 303.10
Ammonia - Nitrogen	mg/L <0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.5
Carbon (Total Inorganic)	mg/L 1.2
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 14
T-Alkalinity as CaCO3	mg/L 7
Sulphate	mg/L 1.6
pH @ 25°C	pH 6.79
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.04
Conductivity @ 25°C	us/cm 12
Chloride	mg/L 0.4
Carbonate	mg/L <1
Bicarbonate	mg/L 8
Balance (+ions/-ions)	Ratio 0.66
Acidity as CaCO3	mg/L 2
Total Arsenic	mg/L <0.0002
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0167
Total Barium	mg/L 0.00166
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.002
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 1.16
Total Chromium	mg/L 0.0022
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.60
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L 0.0004
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.25
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0050
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00013

Total Vanadium	mg/L	0.0018
Total Zinc	mg/L	0.003
Dissolved Aluminum	mg/L	0.010
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0002
Dissolved Barium	mg/L	0.00141
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	1.1
Dissolved Chromium	mg/L	0.0009
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0016
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.5
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00023
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.24
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0036
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	0.0003
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00009
Dissolved Vanadium	mg/L	0.0010
Dissolved Zinc	mg/L	0.001

JER-WQ10

Collect Date/Time	9/5/2006
Sample No.	06-10847
Sample Class	M
Sample Comments	
Water Temperature	Deg C 9.55
Field pH	pH 5.98
Field Conductivity	us/cm 8
Oxidation Reduction Potential	mV 268.00
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.4
Carbon (Total Inorganic)	mg/L 1.0
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 14
T-Alkalinity as CaCO3	mg/L 6
Sulphate	mg/L 1.5
pH @ 25°C	pH 6.76
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.03
Conductivity @ 25°C	us/cm 11
Chloride	mg/L 0.3
Carbonate	mg/L <1
Bicarbonate	mg/L 7
Balance (+ions/-ions)	Ratio 0.63
Acidity as CaCO3	mg/L 1
Total Arsenic	mg/L 0.0003
Total Antimony	mg/L 0.00007
Total Aluminum	mg/L 0.0198
Total Barium	mg/L 0.00162
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.001
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 0.99
Total Chromium	mg/L 0.0015
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L 0.00024
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.52
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L 0.00006
Total Nickel	mg/L 0.0004
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L 0.0011
Total Silicon	mg/L 0.22
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0045
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00016

Total Vanadium	mg/L	0.0017
Total Zinc	mg/L	0.013
Dissolved Aluminum	mg/L	0.016
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0002
Dissolved Barium	mg/L	0.00178
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	0.9
Dissolved Chromium	mg/L	0.0006
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0007
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.4
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00033
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.21
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0033
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00015
Dissolved Vanadium	mg/L	0.0009
Dissolved Zinc	mg/L	0.004

JER-WQ11

Collect Date/Time	9/5/2006
Sample No.	06-10846
Sample Class	M
Sample Comments	
Water Temperature	Deg C 9.48
Field pH	pH 5.94
Field Conductivity	us/cm 9
Oxidation Reduction Potential	mV 284.80
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 2.3
Carbon (Total Inorganic)	mg/L 1.2
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L <6
T-Dissolved Solids180°C	mg/L 13
T-Alkalinity as CaCO3	mg/L 7
Sulphate	mg/L 1.3
pH @ 25°C	pH 6.82
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.04
Conductivity @ 25°C	us/cm 12
Chloride	mg/L 0.4
Carbonate	mg/L <1
Bicarbonate	mg/L 9
Balance (+ions/-ions)	Ratio 0.62
Acidity as CaCO3	mg/L <1
Total Arsenic	mg/L 0.0003
Total Antimony	mg/L 0.00094
Total Aluminum	mg/L 0.0136
Total Barium	mg/L 0.00118
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.002
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 1.21
Total Chromium	mg/L 0.0019
Total Cobalt	mg/L <0.00005
Total Copper	mg/L <0.0010
Total Iron	mg/L <0.10
Total Lead	mg/L 0.00010
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 0.53
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L 0.00038
Total Nickel	mg/L 0.0003
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.25
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0046
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00018

Total Vanadium	mg/L	0.0016
Total Zinc	mg/L	0.004
Dissolved Aluminum	mg/L	0.009
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0002
Dissolved Barium	mg/L	0.00121
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	1.1
Dissolved Chromium	mg/L	<0.0003
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0001
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.5
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00020
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.25
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0040
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00023
Dissolved Vanadium	mg/L	0.0009
Dissolved Zinc	mg/L	0.002

JER-WQ12

Collect Date/Time	9/12/2006	9/12/2006
Sample No.	06-11363	06-11362
Sample Class	F1	M
Sample Comments		
Water Temperature	Deg C	6.1
Field pH	pH	6.31
Field Conductivity	us/cm	56
Oxidation Reduction Potential	mV	209.60
Ammonia - Nitrogen	mg/L	0.04
Nitrite - Nitrogen	mg/L	<0.05
Nitrate - Nitrogen	mg/L	1.17
Phosphate - Ortho - Phosphoru	mg/L	<0.20
Carbon (Total Organic)	mg/L	4.2
Carbon (Total Inorganic)	mg/L	4.3
Turbidity	NTU	6
Total Suspended Solids @105°C	mg/L	8
T-Hardness as CaCO3	mg/L	30.4
T-Dissolved Solids180°C	mg/L	40
T-Alkalinity as CaCO3	mg/L	25
Sulphate	mg/L	3.3
pH @ 25°C	pH	7.38
Hydroxide (as CaCO3)	mg/L	<1
Fluoride	mg/L	0.04
Conductivity @ 25°C	us/cm	79
Chloride	mg/L	3.9
Carbonate	mg/L	<1
Bicarbonate	mg/L	31
Balance (+ions/-ions)	Ratio	0.90
Acidity as CaCO3	mg/L	3
Total Arsenic	mg/L	0.0002
Total Antimony	mg/L	<0.00005
Total Aluminum	mg/L	0.0396
Total Barium	mg/L	0.0103
Total Beryllium	mg/L	<0.0001
Total Boron	mg/L	0.002
Total Cadmium	mg/L	<0.00002
Total Calcium	mg/L	7.03
Total Chromium	mg/L	<0.0005
Total Cobalt	mg/L	0.00013
Total Copper	mg/L	0.0028
Total Iron	mg/L	<0.10
Total Lead	mg/L	0.00006
Total Lithium	mg/L	<0.005
Total Magnesium	mg/L	2.96
Total Manganese	mg/L	0.02
Total Mercury	mg/L	<0.00005
Total Molybdenum	mg/L	0.00012
Total Nickel	mg/L	0.0012
Total Phosphorus	mg/L	<0.02
Total Potassium	mg/L	0.6
Total Selenium	mg/L	<0.0010
Total Silicon	mg/L	1.41
Total Silver	mg/L	<0.0001
Total Sodium	mg/L	1.8
Total Strontium	mg/L	0.0238
Total Thallium	mg/L	<0.00005
Total Tin	mg/L	<0.0001
Total Titanium	mg/L	0.0010
Total Uranium	mg/L	0.00164

Total Vanadium	mg/L	<0.0005	<0.0005
Total Zinc	mg/L	0.005	0.007
Dissolved Aluminum	mg/L	0.011	0.008
Dissolved Antimony	mg/L	<0.00005	<0.00005
Dissolved Arsenic	mg/L	0.0003	0.0003
Dissolved Barium	mg/L	0.00987	0.00941
Dissolved Beryllium	mg/L	<0.0001	<0.0001
Dissolved Boron	mg/L	0.003	0.002
Dissolved Cadmium	mg/L	<0.00002	<0.00002
Dissolved Calcium	mg/L	7.3	7.2
Dissolved Chromium	mg/L	0.0005	0.0005
Dissolved Cobalt	mg/L	0.00004	0.00005
Dissolved Copper	mg/L	0.0025	0.0031
Dissolved Iron	mg/L	<0.10	<0.10
Dissolved Lead	mg/L	<0.00005	<0.00005
Dissolved Lithium	mg/L	<0.0010	<0.0010
Dissolved Magnesium	mg/L	2.9	2.9
Dissolved Manganese	mg/L	0.015	0.016
Dissolved Mercury	mg/L	<0.00005	<0.00005
Dissolved Molybdenum	mg/L	<0.00005	<0.00005
Dissolved Nickel	mg/L	0.00109	0.00100
Dissolved Phosphorus	mg/L	0.02	0.02
Dissolved Potassium	mg/L	0.5	0.5
Dissolved Selenium	mg/L	<0.0006	<0.0006
Dissolved Silicon	mg/L	1.37	1.38
Dissolved Silver	mg/L	<0.00005	<0.00005
Dissolved Sodium	mg/L	1.6	1.6
Dissolved Strontium	mg/L	0.0229	0.0218
Dissolved Thallium	mg/L	<0.00005	<0.00005
Dissolved Tin	mg/L	0.0061	0.0001
Dissolved Titanium	mg/L	<0.0005	<0.0005
Dissolved Uranium	mg/L	0.00139	0.00130
Dissolved Vanadium	mg/L	0.0004	0.0004
Dissolved Zinc	mg/L	0.003	0.003

JER-WQ13

Collect Date/Time	9/5/2006
Sample No.	06-10852
Sample Class	M
Sample Comments	
Water Temperature	Deg C 8.73
Field pH	pH 6.54
Field Conductivity	us/cm 36
Oxidation Reduction Potential	mV 268.40
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L 0.78
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 3.6
Carbon (Total Inorganic)	mg/L 2.4
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L 16.8
T-Dissolved Solids180°C	mg/L 38
T-Alkalinity as CaCO3	mg/L 13
Sulphate	mg/L 2.6
pH @ 25°C	pH 7.14
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.03
Conductivity @ 25°C	us/cm 48
Chloride	mg/L 3.3
Carbonate	mg/L <1
Bicarbonate	mg/L 16
Balance (+ions/-ions)	Ratio 0.88
Acidity as CaCO3	mg/L 2
Total Arsenic	mg/L 0.0004
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0240
Total Barium	mg/L 0.00399
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.003
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 3.99
Total Chromium	mg/L 0.0045
Total Cobalt	mg/L <0.00005
Total Copper	mg/L 0.0011
Total Iron	mg/L <0.10
Total Lead	mg/L 0.00010
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 2.11
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L 0.00006
Total Nickel	mg/L 0.0007
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.89
Total Silver	mg/L <0.0001
Total Sodium	mg/L 1.1
Total Strontium	mg/L 0.0120
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00078

Total Vanadium	mg/L	0.0016
Total Zinc	mg/L	0.003
Dissolved Aluminum	mg/L	0.018
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	<0.0001
Dissolved Barium	mg/L	0.00199
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	3.6
Dissolved Chromium	mg/L	0.0034
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0014
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	0.00006
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	1.9
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00064
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.86
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	1.5
Dissolved Strontium	mg/L	0.0119
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00062
Dissolved Vanadium	mg/L	0.0013
Dissolved Zinc	mg/L	0.003

JER-WQ14

Collect Date/Time	9/5/2006
Sample No.	06-10851
Sample Class	M
Sample Comments	
Water Temperature	Deg C 8.3
Field pH	pH 6.29
Field Conductivity	us/cm 16
Oxidation Reduction Potential	mV 284.30
Ammonia - Nitrogen	mg/L 0.01
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L <0.05
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 4.7
Carbon (Total Inorganic)	mg/L 2.2
Turbidity	NTU 1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L 9.5
T-Dissolved Solids180°C	mg/L 22
T-Alkalinity as CaCO3	mg/L 12
Sulphate	mg/L 1.0
pH @ 25°C	pH 7.14
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.03
Conductivity @ 25°C	us/cm 21
Chloride	mg/L 0.4
Carbonate	mg/L <1
Bicarbonate	mg/L 14
Balance (+ions/-ions)	Ratio 0.80
Acidity as CaCO3	mg/L 2
Total Arsenic	mg/L 0.0004
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0252
Total Barium	mg/L 0.00212
Total Beryllium	mg/L <0.0001
Total Boron	mg/L 0.001
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 2.48
Total Chromium	mg/L 0.0024
Total Cobalt	mg/L <0.00005
Total Copper	mg/L 0.0015
Total Iron	mg/L 0.17
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 1.01
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L 0.0008
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.66
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0058
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00023

Total Vanadium	mg/L	0.0017
Total Zinc	mg/L	0.002
Dissolved Aluminum	mg/L	0.022
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0002
Dissolved Barium	mg/L	0.00146
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	2.3
Dissolved Chromium	mg/L	0.0008
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0007
Dissolved Iron	mg/L	0.14
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	0.9
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00029
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.63
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	0.5
Dissolved Strontium	mg/L	0.0051
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00019
Dissolved Vanadium	mg/L	0.0014
Dissolved Zinc	mg/L	0.002

JER-WQ15

Collect Date/Time	9/24/2006
Sample No.	06-11731
Sample Class	M
Sample Comments	
Water Temperature	Deg C 5.95
Field pH	pH 5.95
Field Conductivity	us/cm 26
Oxidation Reduction Potential	mV 387.40
Ammonia - Nitrogen	mg/L 0.02
Nitrite - Nitrogen	mg/L <0.05
Nitrate - Nitrogen	mg/L 0.06
Phosphate - Ortho - Phosphoru	mg/L <0.20
Carbon (Total Organic)	mg/L 5.7
Carbon (Total Inorganic)	mg/L 2.8
Turbidity	NTU <1
Total Suspended Solids @105°C	mg/L <2
T-Hardness as CaCO3	mg/L 11.1
T-Dissolved Solids180°C	mg/L 19
T-Alkalinity as CaCO3	mg/L 17
Sulphate	mg/L 1.3
pH @ 25°C	pH 6.87
Hydroxide (as CaCO3)	mg/L <1
Fluoride	mg/L 0.03
Conductivity @ 25°C	us/cm 30
Chloride	mg/L 0.6
Carbonate	mg/L <1
Bicarbonate	mg/L 20
Balance (+ions/-ions)	Ratio 0.64
Acidity as CaCO3	mg/L 3
Total Arsenic	mg/L <0.0002
Total Antimony	mg/L <0.00005
Total Aluminum	mg/L 0.0176
Total Barium	mg/L 0.00218
Total Beryllium	mg/L <0.0001
Total Boron	mg/L <0.001
Total Cadmium	mg/L <0.00002
Total Calcium	mg/L 2.71
Total Chromium	mg/L <0.0005
Total Cobalt	mg/L <0.00005
Total Copper	mg/L 0.0017
Total Iron	mg/L 0.12
Total Lead	mg/L <0.00005
Total Lithium	mg/L <0.005
Total Magnesium	mg/L 1.14
Total Manganese	mg/L <0.01
Total Mercury	mg/L <0.00005
Total Molybdenum	mg/L <0.00005
Total Nickel	mg/L <0.0001
Total Phosphorus	mg/L <0.02
Total Potassium	mg/L <0.5
Total Selenium	mg/L <0.0010
Total Silicon	mg/L 0.72
Total Silver	mg/L <0.0001
Total Sodium	mg/L <0.5
Total Strontium	mg/L 0.0066
Total Thallium	mg/L <0.00005
Total Tin	mg/L <0.0001
Total Titanium	mg/L <0.0005
Total Uranium	mg/L 0.00019

Total Vanadium	mg/L	<0.0005
Total Zinc	mg/L	0.035
Dissolved Aluminum	mg/L	0.010
Dissolved Antimony	mg/L	<0.00005
Dissolved Arsenic	mg/L	0.0002
Dissolved Barium	mg/L	0.00174
Dissolved Beryllium	mg/L	<0.0001
Dissolved Boron	mg/L	<0.001
Dissolved Cadmium	mg/L	<0.00002
Dissolved Calcium	mg/L	2.7
Dissolved Chromium	mg/L	<0.0003
Dissolved Cobalt	mg/L	<0.00002
Dissolved Copper	mg/L	0.0014
Dissolved Iron	mg/L	<0.10
Dissolved Lead	mg/L	<0.00005
Dissolved Lithium	mg/L	<0.0010
Dissolved Magnesium	mg/L	1.1
Dissolved Manganese	mg/L	<0.010
Dissolved Mercury	mg/L	<0.00005
Dissolved Molybdenum	mg/L	<0.00005
Dissolved Nickel	mg/L	0.00027
Dissolved Phosphorus	mg/L	<0.01
Dissolved Potassium	mg/L	<0.5
Dissolved Selenium	mg/L	<0.0006
Dissolved Silicon	mg/L	0.69
Dissolved Silver	mg/L	<0.00005
Dissolved Sodium	mg/L	<0.5
Dissolved Strontium	mg/L	0.0068
Dissolved Thallium	mg/L	<0.00005
Dissolved Tin	mg/L	<0.0001
Dissolved Titanium	mg/L	<0.0005
Dissolved Uranium	mg/L	0.00013
Dissolved Vanadium	mg/L	0.0002
Dissolved Zinc	mg/L	0.001

SNPFB

Collect Date/Time		9/1/2006	9/12/2006	9/24/2006
Sample No.		06-10793	06-11367	06-11736
Sample Class		M	M	M
Sample Comments				
Ammonia - Nitrogen	mg/L	0.01	0.01	0.02
Nitrite - Nitrogen	mg/L	<0.05	<0.05	<0.05
Nitrate - Nitrogen	mg/L	<0.05	<0.05	<0.05
Phosphate - Ortho - Phosphoru	mg/L	<0.20	<0.20	<0.20
Carbon (Total Organic)	mg/L	<0.1	<0.1	0.2
Carbon (Total Inorganic)	mg/L	0.2	<0.1	<0.1
Turbidity	NTU	<1	<1	<1
Total Suspended Solids @105°C	mg/L	<2	<2	<2
T-Hardness as CaCO3	mg/L	<6	<6	<6
T-Dissolved Solids180°C	mg/L	<4	4	<4
T-Alkalinity as CaCO3	mg/L	5	7	7
Sulphate	mg/L	<0.5	<0.5	<0.5
pH @ 25°C	pH	5.54	5.81	5.61
Hydroxide (as CaCO3)	mg/L	<1	<1	<1
Fluoride	mg/L	<0.02	<0.02	<0.02
Conductivity @ 25°C	us/cm	3	1	2
Chloride	mg/L	<0.1	<0.1	<0.1
Carbonate	mg/L	<1	<1	<1
Bicarbonate	mg/L	6	9	8
Balance (+ions/-ions)	Ratio	<0.01	<0.01	<0.01
Acidity as CaCO3	mg/L	<1	<1	1
Total Arsenic	mg/L	<0.0002	<0.0002	<0.0002
Total Antimony	mg/L	<0.00005	<0.00005	<0.00005
Total Aluminum	mg/L	<0.0025	<0.0025	<0.0025
Total Barium	mg/L	<0.00005	<0.00005	<0.00005
Total Beryllium	mg/L	<0.0001	<0.0001	<0.0001
Total Boron	mg/L	<0.001	<0.001	<0.001
Total Cadmium	mg/L	<0.00002	<0.00002	<0.00002
Total Calcium	mg/L	<0.05	<0.05	<0.05
Total Chromium	mg/L	<0.0005	<0.0005	<0.0005
Total Cobalt	mg/L	<0.00005	<0.00005	<0.00005
Total Copper	mg/L	<0.0010	<0.0010	<0.0010
Total Iron	mg/L	<0.10	<0.10	<0.10
Total Lead	mg/L	<0.00005	<0.00005	<0.00005
Total Lithium	mg/L	<0.005	<0.005	<0.005
Total Magnesium	mg/L	<0.05	<0.05	<0.05
Total Manganese	mg/L	<0.01	<0.01	<0.01
Total Mercury	mg/L	<0.00005	<0.00005	<0.00005
Total Molybdenum	mg/L	<0.00005	<0.00005	<0.00005
Total Nickel	mg/L	<0.0001	<0.0001	<0.0001
Total Phosphorus	mg/L	<0.02	<0.02	<0.02
Total Potassium	mg/L	<0.5	<0.5	<0.5
Total Selenium	mg/L	<0.0010	<0.0010	<0.0010
Total Silicon	mg/L	<0.01	<0.01	<0.01
Total Silver	mg/L	<0.0001	<0.0001	<0.0001
Total Sodium	mg/L	<0.5	<0.5	<0.5
Total Strontium	mg/L	<0.0005	<0.0005	<0.0005
Total Thallium	mg/L	<0.00005	<0.00005	<0.00005
Total Tin	mg/L	<0.0001	<0.0001	<0.0001
Total Titanium	mg/L	<0.0005	<0.0005	<0.0005
Total Uranium	mg/L	<0.00005	<0.00005	<0.00005
Total Vanadium	mg/L	<0.0005	<0.0005	<0.0005
Total Zinc	mg/L	<0.001	<0.001	<0.001
Dissolved Aluminum	mg/L	<0.002	<0.002	<0.002
Dissolved Antimony	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Arsenic	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Barium	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Beryllium	mg/L	<0.0001	<0.0001	<0.0001

Dissolved Boron	mg/L	<0.001	<0.001	<0.001
Dissolved Cadmium	mg/L	<0.00002	<0.00002	<0.00002
Dissolved Calcium	mg/L	<0	<0	<0
Dissolved Chromium	mg/L	<0.0003	<0.0003	<0.0003
Dissolved Cobalt	mg/L	<0.00002	<0.00002	<0.00002
Dissolved Copper	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Iron	mg/L	<0.10	<0.10	<0.10
Dissolved Lead	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Lithium	mg/L	<0.0010	<0.0010	<0.0010
Dissolved Magnesium	mg/L	<0	<0	<0
Dissolved Manganese	mg/L	<0.010	<0.010	<0.010
Dissolved Mercury	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Molybdenum	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Nickel	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Phosphorus	mg/L	<0.01	<0.01	<0.01
Dissolved Potassium	mg/L	<0.5	<0.5	<0.5
Dissolved Selenium	mg/L	<0.0006	<0.0006	<0.0006
Dissolved Silicon	mg/L	<0.01	<0.01	<0.01
Dissolved Silver	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Sodium	mg/L	<0.5	<0.5	<0.5
Dissolved Strontium	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Thallium	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Tin	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Titanium	mg/L	<0.0005	<0.0005	<0.0005
Dissolved Uranium	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Vanadium	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Zinc	mg/L	<0.001	<0.001	<0.001

SNPTB

Collect Date/Time		9/1/2006	9/12/2006	9/24/2006
Sample No.		06-10794	06-11366	06-11735
Sample Class		M	M	M
Sample Comments				
Ammonia - Nitrogen	mg/L	<0.01	0.01	0.02
Nitrite - Nitrogen	mg/L	<0.05	<0.05	<0.05
Nitrate - Nitrogen	mg/L	<0.05	<0.05	<0.05
Phosphate - Ortho - Phosphoru	mg/L	<0.20	<0.20	<0.20
Carbon (Total Organic)	mg/L	<0.1	<0.1	0.3
Carbon (Total Inorganic)	mg/L	0.2	<0.1	<0.1
Turbidity	NTU	<1	<1	<1
Total Suspended Solids @105°C	mg/L	<2	<2	<2
T-Hardness as CaCO3	mg/L	<6	<6	<6
T-Dissolved Solids180°C	mg/L	<4	<4	<4
T-Alkalinity as CaCO3	mg/L	2	7	6
Sulphate	mg/L	<0.5	<0.5	<0.5
pH @ 25°C	pH	5.56	5.89	5.62
Hydroxide (as CaCO3)	mg/L	<1	<1	<1
Fluoride	mg/L	<0.02	<0.02	<0.02
Conductivity @ 25°C	us/cm	1	3	2
Chloride	mg/L	<0.1	<0.1	<0.1
Carbonate	mg/L	<1	<1	<1
Bicarbonate	mg/L	2	8	8
Balance (+ions/-ions)	Ratio	<0.01	<0.01	<0.01
Acidity as CaCO3	mg/L	<1	<1	2
Total Arsenic	mg/L	<0.0002	<0.0002	<0.0002
Total Antimony	mg/L	<0.00005	<0.00005	<0.00005
Total Aluminum	mg/L	<0.0025	<0.0025	<0.0025
Total Barium	mg/L	<0.00005	<0.00005	<0.00005
Total Beryllium	mg/L	<0.0001	<0.0001	<0.0001
Total Boron	mg/L	<0.001	<0.001	<0.001
Total Cadmium	mg/L	<0.00002	<0.00002	<0.00002
Total Calcium	mg/L	<0.05	<0.05	<0.05
Total Chromium	mg/L	<0.0005	<0.0005	<0.0005
Total Cobalt	mg/L	<0.00005	<0.00005	<0.00005
Total Copper	mg/L	<0.0010	<0.0010	<0.0010
Total Iron	mg/L	<0.10	<0.10	<0.10
Total Lead	mg/L	<0.00005	<0.00005	<0.00005
Total Lithium	mg/L	<0.005	<0.005	<0.005
Total Magnesium	mg/L	<0.05	<0.05	<0.05
Total Manganese	mg/L	<0.01	<0.01	<0.01
Total Mercury	mg/L	<0.00005	<0.00005	<0.00005
Total Molybdenum	mg/L	<0.00005	<0.00005	<0.00005
Total Nickel	mg/L	<0.0001	<0.0001	<0.0001
Total Phosphorus	mg/L	<0.02	<0.02	<0.02
Total Potassium	mg/L	<0.5	<0.5	<0.5
Total Selenium	mg/L	<0.0010	<0.0010	<0.0010
Total Silicon	mg/L	<0.01	<0.01	<0.01
Total Silver	mg/L	<0.0001	<0.0001	<0.0001
Total Sodium	mg/L	<0.5	<0.5	<0.5
Total Strontium	mg/L	<0.0005	<0.0005	<0.0005
Total Thallium	mg/L	<0.00005	<0.00005	<0.00005
Total Tin	mg/L	<0.0001	<0.0001	<0.0001
Total Titanium	mg/L	<0.0005	<0.0005	<0.0005
Total Uranium	mg/L	<0.00005	<0.00005	<0.00005
Total Vanadium	mg/L	<0.0005	<0.0005	<0.0005
Total Zinc	mg/L	<0.001	<0.001	<0.001
Dissolved Aluminum	mg/L	<0.002	<0.002	<0.002
Dissolved Antimony	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Arsenic	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Barium	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Beryllium	mg/L	<0.0001	<0.0001	<0.0001

Dissolved Boron	mg/L	<0.001	<0.001	<0.001
Dissolved Cadmium	mg/L	<0.00002	<0.00002	<0.00002
Dissolved Calcium	mg/L	<0	<0	<0
Dissolved Chromium	mg/L	<0.0003	<0.0003	<0.0003
Dissolved Cobalt	mg/L	<0.00002	<0.00002	<0.00002
Dissolved Copper	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Iron	mg/L	<0.10	<0.10	<0.10
Dissolved Lead	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Lithium	mg/L	<0.0010	<0.0010	<0.0010
Dissolved Magnesium	mg/L	<0	<0	<0
Dissolved Manganese	mg/L	<0.010	<0.010	<0.010
Dissolved Mercury	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Molybdenum	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Nickel	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Phosphorus	mg/L	<0.01	<0.01	<0.01
Dissolved Potassium	mg/L	<0.5	<0.5	<0.5
Dissolved Selenium	mg/L	<0.0006	<0.0006	<0.0006
Dissolved Silicon	mg/L	<0.01	<0.01	<0.01
Dissolved Silver	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Sodium	mg/L	<0.5	<0.5	<0.5
Dissolved Strontium	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Thallium	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Tin	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Titanium	mg/L	<0.0005	<0.0005	<0.0005
Dissolved Uranium	mg/L	<0.00005	<0.00005	<0.00005
Dissolved Vanadium	mg/L	<0.0001	<0.0001	<0.0001
Dissolved Zinc	mg/L	<0.001	<0.001	<0.001



Flow and Volume Measurements

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

DATE	Carat Lake Freshwater Use (m3) (Camp and Emulsion Plant) - Daily	Treated Sewage Effluent to PKC (Long Lake) (m3)	Sewage Sludge Removed (m3)	Pit Pond Water to East Sump (m3) - Daily	Road Watering from PKC (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 tail (tonnes)
1-Sep	15.9	16.1	Monthly	344.0	0.0	216.0	Monthly	2122.4	Monthly	1,181.0	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
2-Sep	25.7	4.9		344.0	0.0			2460.6		1,124.7							
3-Sep	17.9	21.5		387.0	26.0			2628.1		1,159.8							
4-Sep	18.1	19.8		444.0	0.0			2904.1		988.3							
5-Sep	24.9	24.9		0.0	0.0			3083.1		1,130.7							
6-Sep	27.5	20.7		344.0	34.1			2898.7		1,091.1							
7-Sep	18.8	19.8		430.0	0.0			2711.0		397.2							
8-Sep	20.4	11.4		625.0	0.0			2842.8		1,255.8							
9-Sep	20.4	21.5		563.0	78.0			2901.0		1,277.6							
10-Sep	27.3	20.4		195.0	52.0			3028.6		1,267.3							
11-Sep	20.2	23.2		438.0	0.0			2918.7		1,248.0							
12-Sep	23.6	20.8		438.0	0.0			2935.8		1,018.3							
13-Sep	28.4	17.2		1055.0	0.0			2853.9		863.3							
14-Sep	20.0	19.8		430.0	0.0			0.0		864.0							
15-Sep	20.9	12.8		172.0	39.0			0.0		871.1							
16-Sep	17.6	13.3		989.0	45.5			0.0		820.1							
17-Sep	18.2	17.2		1419.0	39.0			0.0		809.7							
18-Sep	27.7	12.1		516.0	63.3			0.0		613.2							
19-Sep	16.0	18.6		172.0	0.0			0.0		864.5							
20-Sep	14.6	18.6		645.0	0.0			0.0		844.9							
21-Sep	11.6	16.3		387.0	0.0			0.0		875.5							
22-Sep	11.4	22.1		0	0.0			0.0		863.1							
23-Sep	16.0	13.5		0	0.0			0.0		849.8							
24-Sep	11.8	13.7		0	0.0			0.0		878.4							
25-Sep	11.3	16.6		0	0.0			0.0		770.6							
26-Sep	18.4	16.1		0	0.0			0.0		880.6							
27-Sep	13.0	25.6		0	0.0			0.0		864.0							
28-Sep	11.6	23.4		0	0.0			3032.0		871.1							
29-Sep	10.7	19.3		0	0.0			3027.3		803.5							
30-Sep	15.6	8.8		0	16.2			3032.9		898.1							
Total	555.5	530.0	45.6	10,337.0	393.1	216.0	0.0	45,380.8	10,768.6	28,245.3	39,013.9	39,424	16,422	46,591	189,567.0	0.0	254,990.0



Appendix A

Result Summary

Client: TAH102
Reference: 06-1853-01-TRS

Client: Tahera Diamond Corporation; operation Yellowknife

Sample: PKCA Raw Water

Collection: collected on 2006/09/11 at 0830 by CW

Receipt: received on 2006/09/12 at 1335 by Luc Lamontagne

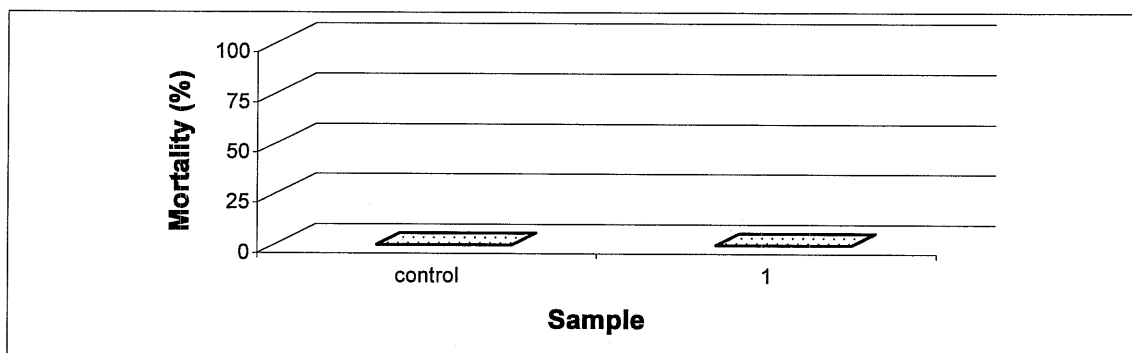
Containers: received 1 x 20L pail at 8 °C, in good condition with no seals and no initials

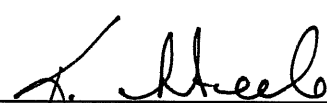
Description: type: water, collection method: grab

Test: started on 2006/09/14 ; ended on 2006/09/18

Result:

Sample	Client Code	Mortality (%)	Comment
control	lab control	0	
1	PKCA Raw Water	0	not toxic as tested




 Authorized by K.Steele, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Our liability is limited to the cost of the test requested. The test results only relate to the sample as received. No liability in whole or in part is assumed for the collection, handling or transport of the sample, application or interpretation of the test data or results.



Test Conditions

Client: TAH102 Reference: 06-1853-01-TRS

Method: Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout, 1990. Environment Canada, EPS 1/RM/13. (amended 1996 and 2000)

Test type: Trout 96-h Static Acute Test (HQ 4.4.4.1)

Species: *Oncorhynchus mykiss*

Organism source: Ackenberry Trout Farms (Batch 20060907TR)

Acclimation: 7 days

Stock mortality: 0.05% (seven days preceeding testing)

Sample initial chemistry: pH: 7.7; EC: 225 ($\mu\text{S}/\text{cm}$); DO: 9.2 (mg/L); temperature: 17 °C
hardness (mg CaCO_3/L): 65; colour: none; odour: none

Sample holding time: 3 days (must be ≤ 5 days)

Sample storage: $4 \pm 2^\circ\text{C}$ in darkness

Test vessel: The test was conducted in 22 L plastic pails with polyethylene liners

Test volume: 15 Litres

Sample pre-treatment: All test solutions and controls were pre-aerated for 30 minutes
Dissolved oxygen in full strength sample was 8.4 mg/L after pre-aeration
The sample was not filtered or pH adjusted prior to or during testing

Loading density: 0.392 g/Litre (must be ≤ 0.5 g/Litre)

Control water: Dechlorinated City of Calgary water acclimated to test conditions

Test concentrations: Undiluted sample plus a negative control

Test replicates: One replicate per treatment; 10 fish per replicate

Feeding: Fish are not fed 24 hours before test initiation and no feeding during test

Measurements: pH, conductivity, dissolved oxygen and temperature measured daily

Aeration: All treatments aerated at 6.5 (± 1 mL/min/L)

Lighting: Overhead full spectrum fluorescent lights; 100-500 lux at surface

Photoperiod: 16h light:8h dark

Test temperature: $15 \pm 1^\circ\text{C}$

Endpoint: Mortality, % mortality at 96-h

Test validity: The control had 100% survival (must $\geq 90\%$)

Reference toxicant: 96-h test with Phenol ($\text{C}_6\text{H}_5\text{OH}$) initiated September 08, 2006; current results
(96-h LC50 and 95% confidence limits) = 10.2 (8.0-12.0) mg/L Phenol

Note: Outlined sections are protocol deviations explained on the comment page; v/v, volume per volume

Test Data

Client: TAH102 Reference: 06-1853-01-TRS

Test Log:

Date	Day	Time	Technician	Comment/Observation
2006/09/14	0	1230	B.Denny	test fish loaded at 1230 h
2006/09/15	1	1530	B.Denny/S.Ford	all test fish appear normal
2006/09/16	2	1300	S.Ford/M.Luong	all test fish appear normal
2006/09/17	3	1340	S.Ford/M.Luong	all test fish appear normal
2006/09/18	4	1200	B.Denny/S.Krishnappa	all test fish appear normal

Chemistry:

Sample	control	1						
--------	---------	---	--	--	--	--	--	--

Day

pH (units)

0	7.6	7.5						
1	7.7	7.7						
2	7.8	7.5						
3	7.8	7.6						
4	7.8	7.6						

Conductivity (µS/cm)

0	379	234						
1	355	223						
2	355	221						
3	373	222						
4	370	223						

Dissolved Oxygen (mg/L)

0	8.4	8.4						
1	8.8	8.7						
2	8.8	8.8						
3	8.7	8.7						
4	8.6	8.6						

Temperature (°C)

0	15	16						
1	14	14						
2	15	15						
3	15	15						
4	15	15						

Test Data

Client: TAH102
Reference: 06-1853-01-TRS

Number Alive:

Sample	control	1						
--------	---------	---	--	--	--	--	--	--

Day

Day	0	1	2	3	4			
0	10	10						
1	10	10						
2	10	10						
3	10	10						
4	10	10						

Mortality (%)

Day	0	1	2	3	4			
4	0	0						

Biology Summary Tables:

Control Fish	Length (cm)	Weight (g)
1	3.9	0.6
2	3.9	0.6
3	4.1	0.7
4	3.9	0.6
5	4.1	0.7
6	3.6	0.5
7	3.7	0.5
8	3.9	0.6
9	3.9	0.6
10	3.9	0.5

Sample	Group Weight (g)
control	5.9
1	5.5

average	3.9	0.6
sd	0.2	0.1
cv(%)	3.9	12.5

Notes: nd, not done; na, not applicable;
 sd, standard deviation; cv(%), coefficient
 of variation

Comments/Statistics

Client: TAH102 Reference: 06-1853-01-TRS

Test Result Comments:

None

Data Analysis:

None

Protocol Deviations:

The test fish were held for less than 14 days prior to test initiation.

Quality Assurance Information

Test Method: Trout 96h Static Acute Test. (LC50, five or more treatments plus a control)
HydroQual Test Method Manual, section: 4.4.4.1

Reference: Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout, 1990. Environment Canada, EPS 1/RM/13. including May 1996 and December 2000 amendments.

Test Organism:

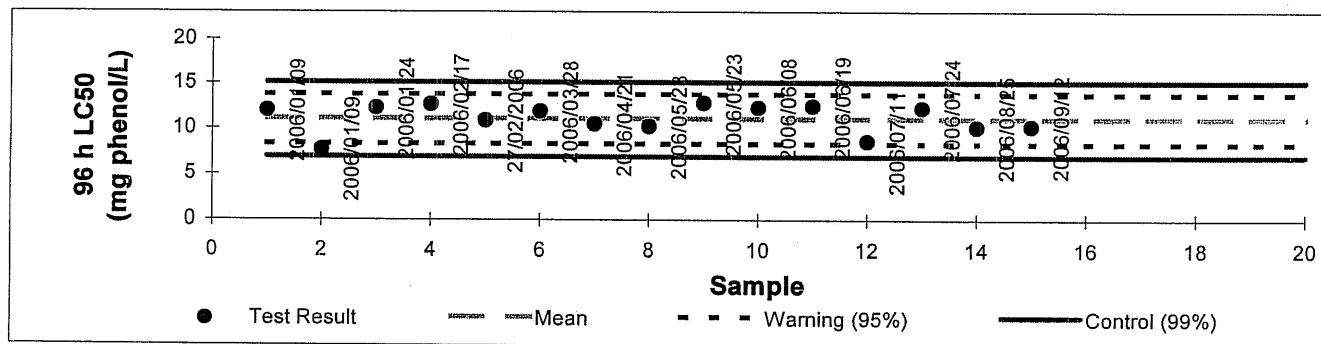
test species: *Oncorhynchus mykiss*
culture source: Ackenberry Trout Farms
temperature (°C): 15 ± 1
dissolved oxygen: saturated
stock mortality (last 7d): 0%
batch number: 20060907TR

Test Design:

vol. of test vessel (L): 20
test volume depth: >15 cm
replicates per treatment: 1
fingerlings per replicate: 10
loading (g fish/L): <0.5
temperature (°C): 15 ± 1
photoperiod: 16h light: 8h dark
light level (water surface): 100-500 lux
control/dilution water: dechlorinated tap water

Warning Chart: mortality LC50 at 96 hours
toxicant: Phenol (C₆H₅OH)

Current Test: started on 2006/09/08 ended on 2006/09/12
result (96 h LC50): 10.2 (8.0-12.0) mg phenol/L (95% confidence limits are in brackets)
Historical: mean: 11.0 std.dev: 1.4 cv(%): 12
warning limits: 8.3 13.8 (lower and upper 95% confidence limit, two standard deviations)
control limits: 6.9 15.1 (lower and upper 99% confidence limit, three standard deviations)



Quality Assurance Unit:

K. Steele
Authorized by K. Steele, B.Sc., Quality Assurance Officer
The test data and results are verified correct.

Result Summary

 Client: TAH102
 Reference: 06-1853-01-DAS

Client: Tahera Diamond Corporation; operation
 Yellowknife

Sample: PKCA Raw Water

Collection: collected on 2006/09/11 at 0830 by CW

Receipt: received on 2006/09/12 at 1335 by Luc Lamontagne

Containers: received 1 x 20L pail at 8 °C, in good condition
 with no seals and no initials

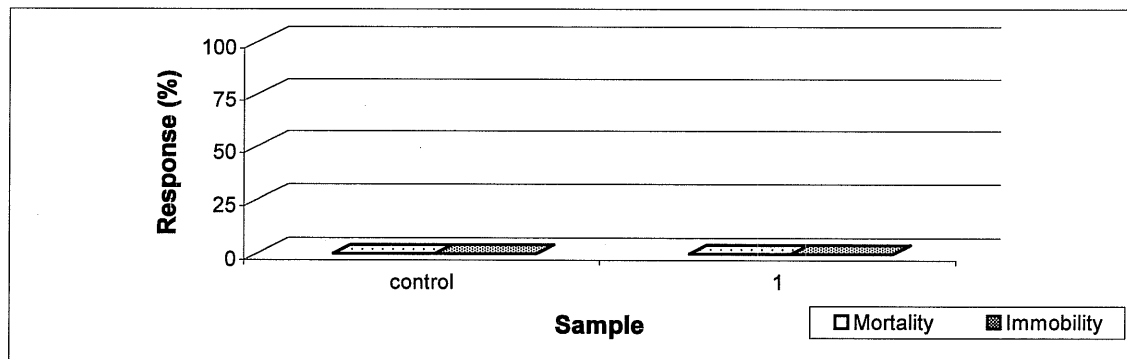
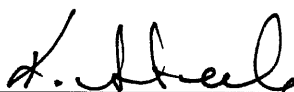
Description: type: water, collection method: grab

Test: started on 2006/09/14 ; ended on 2006/09/16

Result:

Sample	Client Code	Average Mortality (%)	Average Immobility (%)	Comment
control	lab control	0	0	
1	PKCA Raw Water	0	0	not toxic as tested

Notes: sd, sample standard deviation; cv, coefficient of variation; nd, not done; na, not applicable;

 Authorized by K. Steele, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Test Conditions

Client: TAH102 Reference: 06-1853-01-DAS

Method: Biological Test method: Reference Method for Determining Acute Lethality of Effluents to *Daphnia magna*, 1990. Environ. Can., EPS 1/RM/14.
(amended 1996 and 2000)

Test type: *Daphnia* 48-h Static Acute Test (HQ 4.4.3.1)

Species: *Daphnia magna*

Age: < 24 hours old

Organism source: in-house culture

Stock mortality: 7%

Culture brood data: 12 days to first brood
20 neonates per average brood

Sample initial chemistry: pH: 7.7; EC: 225 ($\mu\text{S}/\text{cm}$); DO: 9.2 (mg/L); temperature: 17 °C
hardness (mg CaCO_3/L): 65; colour: none; odour: none

Sample holding time: 3 days (must be ≤ 5 days)

Sample storage: $4 \pm 2^\circ\text{C}$ in darkness

Test vessel: 385 mL plastic vessels

Test volume: 150 mL

Sample pre-treatment: The sample was not filtered or pH adjusted prior to or during testing
The sample was pre-aerated for 0 minutes (rate of $37.5 \pm 12.5 \text{ mL}/\text{min.L}^{-1}$)
The hardness of the sample was not adjusted (mg CaCO_3/L) prior to or during testing

Loading density: One daphnid/15 mL (must ≤ 1 organism/15 mL)

Control water: Dechlorinated City of Calgary water acclimated to test conditions
The hardness of the control/dilution water was 155 mg CaCO_3/L

Test concentrations: Undiluted sample plus a negative control

Test replicates: Three replicates per treatment, 10 daphnids per replicate

Feeding: None

Aeration: None

Measurements: pH, conductivity, dissolved oxygen and temperature at test initiation and termination

Lighting: Overhead full spectrum fluorescent lights; 400-800 lux at surface

Photoperiod: 16h light:8h dark

Test temperature: $20 \pm 2^\circ\text{C}$

Note: Outlined sections are protocol deviations explained on the comment page

Test Conditions

Client: TAH102 Reference: 06-1853-01-DAS

Endpoint: Mortality, % mortality at 48-h
Immobility, % immobility at 48-h

Test validity: The control had 100% survival (must $\geq 90\%$)
Control had 0% abnormal behaviour (must $< 10\%$), e.g. immobility

Reference toxicant: 48-h test with NaCl initiated September 05, 2006; current results
(48-h LC50 and 95% confidence limits) = 6.4 (6.2-6.6) g/L NaCl

Note: Outlined sections are protocol deviations explained on the comment page

Test Data

 Client: TAH102
 Reference: 06-1853-01-DAS

Test Log:

Date	Day	Time	Technician	Comment/Observation
2006/09/14	0	1500	S.Ford	test <i>Daphnia</i> appear normal
2006/09/15	1	0745	S.Krishnappa	test <i>Daphnia</i> appear normal
2006/09/16	2	1400	S.Ford	test <i>Daphnia</i> appear normal

Chemistry:

Sample	control			1		
replicate	a	b	c	a	b	c

Day	pH (units)					
0	7.9	7.9	7.9	7.6	7.6	7.6
2	7.8	7.8	7.8	7.7	7.6	7.5

	Conductivity ($\mu\text{S}/\text{cm}$)					
0	366	366	366	222	222	222
2	382	374	378	230	222	224

	Dissolved Oxygen (mg/L)					
0	8.1	8.1	8.1	8.5	8.5	8.5
2	8.1	8.1	8.1	8.2	8.5	7.9

	Temperature ($^{\circ}\text{C}$)					
0	20	20	20	22	22	22
2	19	19	19	20	19	20

Biology:

Sample	control			1		
replicate	a	b	c	a	b	c

Day	Number Alive and Behavior (behavior is in brackets)					
1	10	10	10	10	10	10
2	10	10	10	10 (1F)	10	10

Notes: F, floating; I, immobile; B, stuck on bubble; D, caught in debris

	Mortality (%)					
2	0	0	0	0	0	0

	Immobility (%)					
2	0	0	0	0	0	0

Comments/Statistics

Client: TAH102 Reference: 06-1853-01-DAS

Test Result Comments:

None

Data Analysis:

None

Protocol Deviations:

None

Quality Assurance Information

Test Method: *Daphnia* Static Acute Test (LC50, five or more treatments plus a control)
HydroQual Test Method Manual, section: 4.4.3.1

Reference: Biological Test Method: Reference Method for Determining the Acute Lethality of Effluents to *Daphnia magna*, 1990. Environment Canada, EPS 1/RM/14.
including May 1996 and December 2000 amendments.

Test Organism:

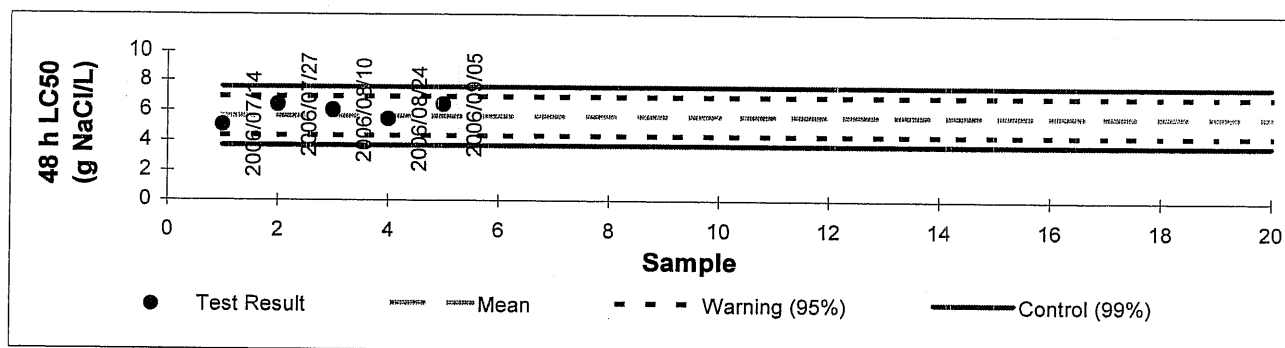
test species: *Daphnia magna*
culture source: in-house
original culture source: Environment Canada
days to first brood: 12
mean brood size: 20
ephippia in stock culture: no
age of test organisms: <24 hours old
culture mortality (%): 0

Test Design:

vol. of test vessel (mL): 500
toxicant: sodium chloride
test volume (mL): 150
replicates per treatment: 1
neonates per replicate: 10
volume per neonate (mL): 15
samples preacrated: no
hardness adjustment: no
temperature (°C): 20
photoperiod: 16h light:8h dark
light level (water surface): 400-800 lux
control/dilution water: dechlorinated tap water

Warning Chart: mortality LC50 at 48 hours
toxicant: Sodium Chloride (NaCl)

Current Test: started on 2006/09/05 ended on 2006/09/07
result (48 h LC50): 6.4 (6.2-6.6) g NaCl/L (95% confidence limits are in brackets)
Historical: mean: 5.6 std. dev: 0.6 cv (%): 12
warning limits: 4.3 6.9 (lower and upper 95% confidence limit, two standard deviations)
control limits: 3.7 7.6 (lower and upper 99% confidence limit, three standard deviations)



Quality Assurance Unit:

Guaranteed as per
Authorized by K. Steele, B.Sc., Quality Assurance Officer
The test data and results are verified correct.



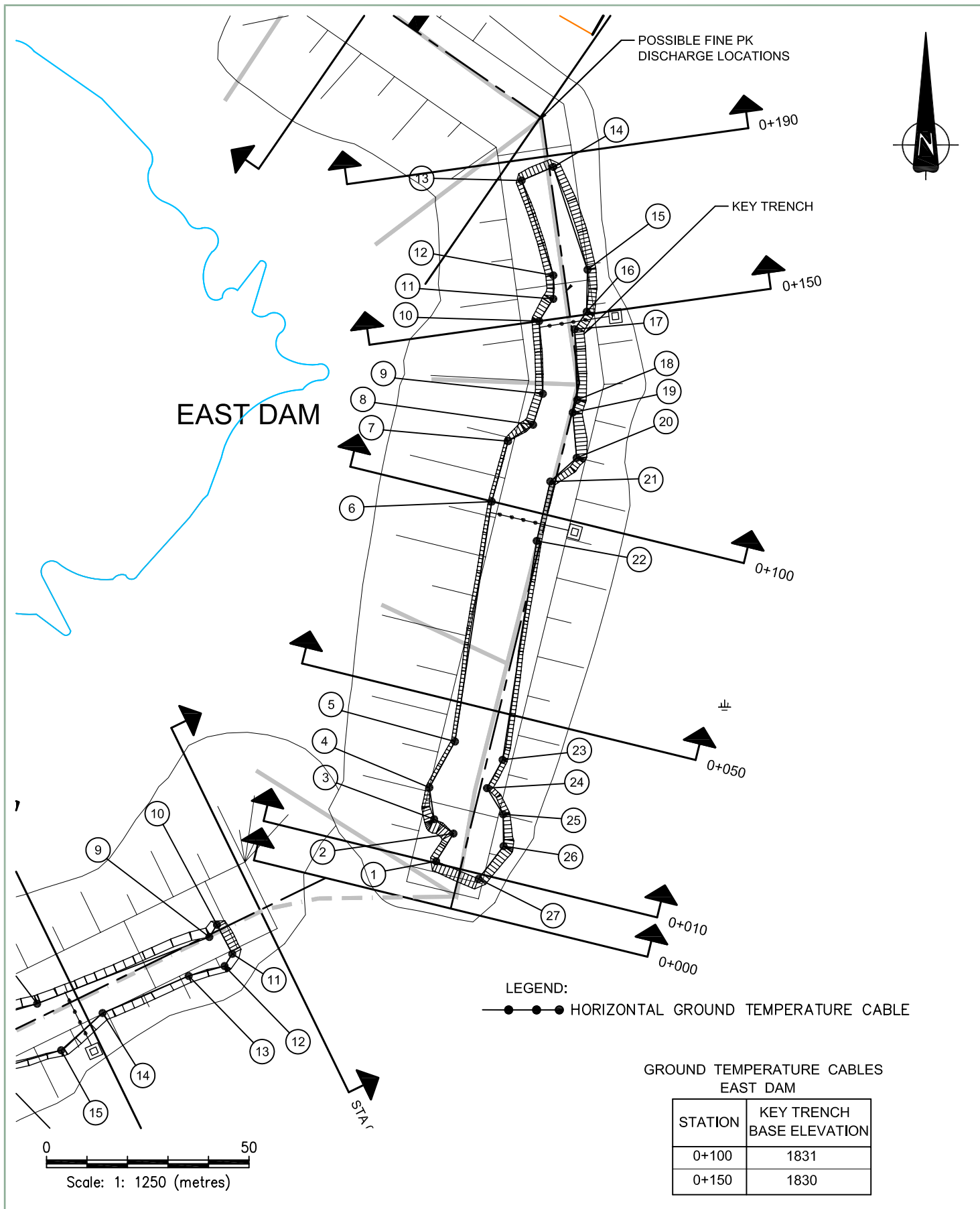
Appendix B

East Dam Thermistor Readings

There are two thermistor strings installed in the East Dam. The location of the strings are at stations 0+100 and stations 0+150 as indicated in Figure 1 (Jericho Mine East Dam-Ground Temperature Cable Plan and Details). Thermistor string Serial No. 1831 is installed at station 0+100 it consists of 12 thermocouple beads. The cable is installed horizontally running approximately east west through the base of the excavated key trench of the East dam. Thermistor string Serial No. 1830 is installed at station 0+150 it consists of 13 thermocouple beads. The cable is installed horizontally running approximately east west through the base of the excavated key trench of the East dam.

Figure A.1 shows the monthly temperature readings of thermistor string serial no. 1830 located at station 0+150 on the east dam.

Figure A.2 shows the monthly temperature readings of thermistor string serial no. 1831 located at station 0+100 on the east dam.



EBA Engineering Consultants Ltd.



CLIENT

**TAHERA
Diamond Corporation**

PROJECT

**JERICO MINE
EAST DAM**

TITLE

**GROUND TEMPERATURE CABLE
LAYOUT PLAN AND DETAILS**

DWN. JLS

CHKD. JP

EBA JOB NO. 1100060.007

FILE: 1100060007J02a.dwg

REVISION NO.: 1

DATE: June 2006

Figure 1

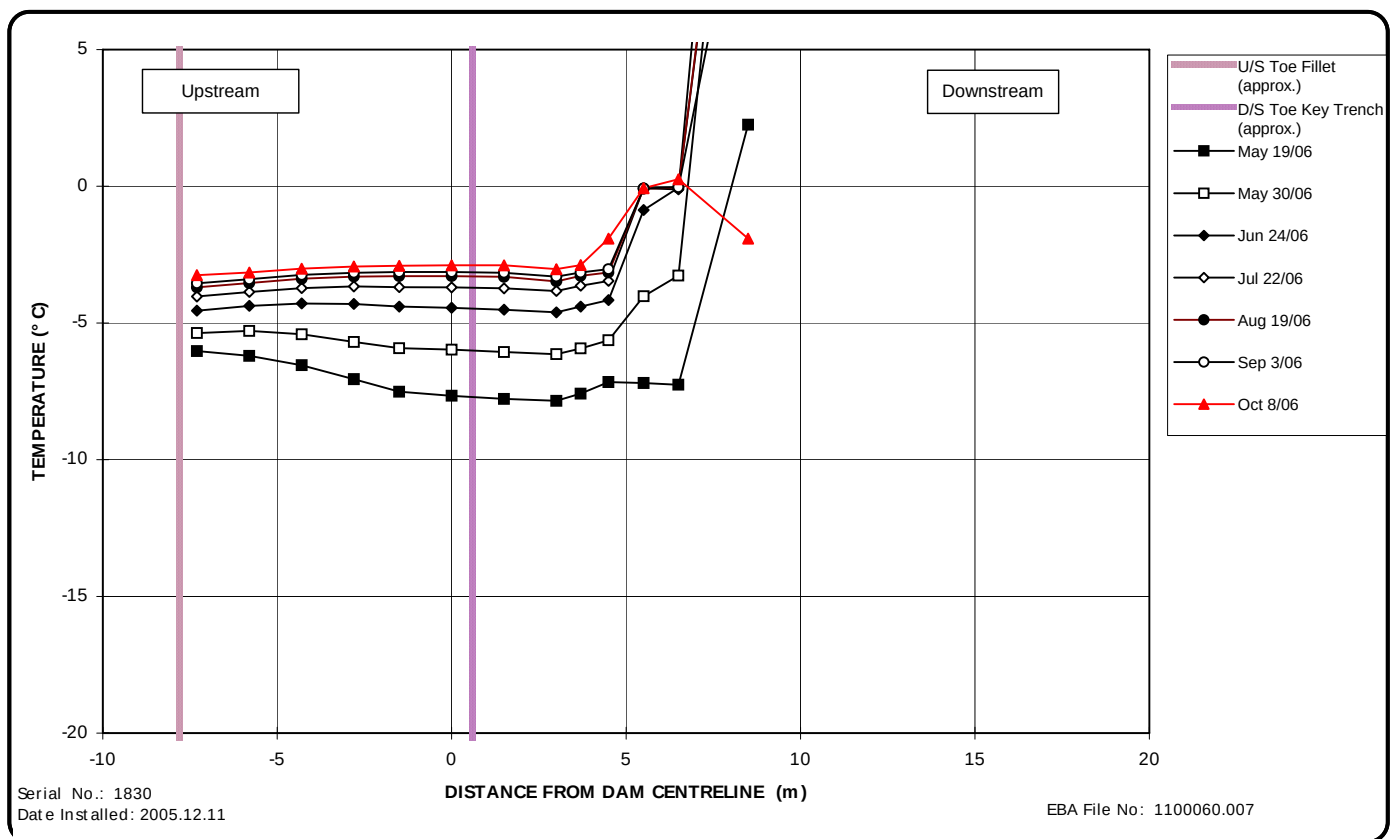


Figure A.1
Horizontal Ground Temperature Distribution
East Dam
Station 0+150, El. 515 m

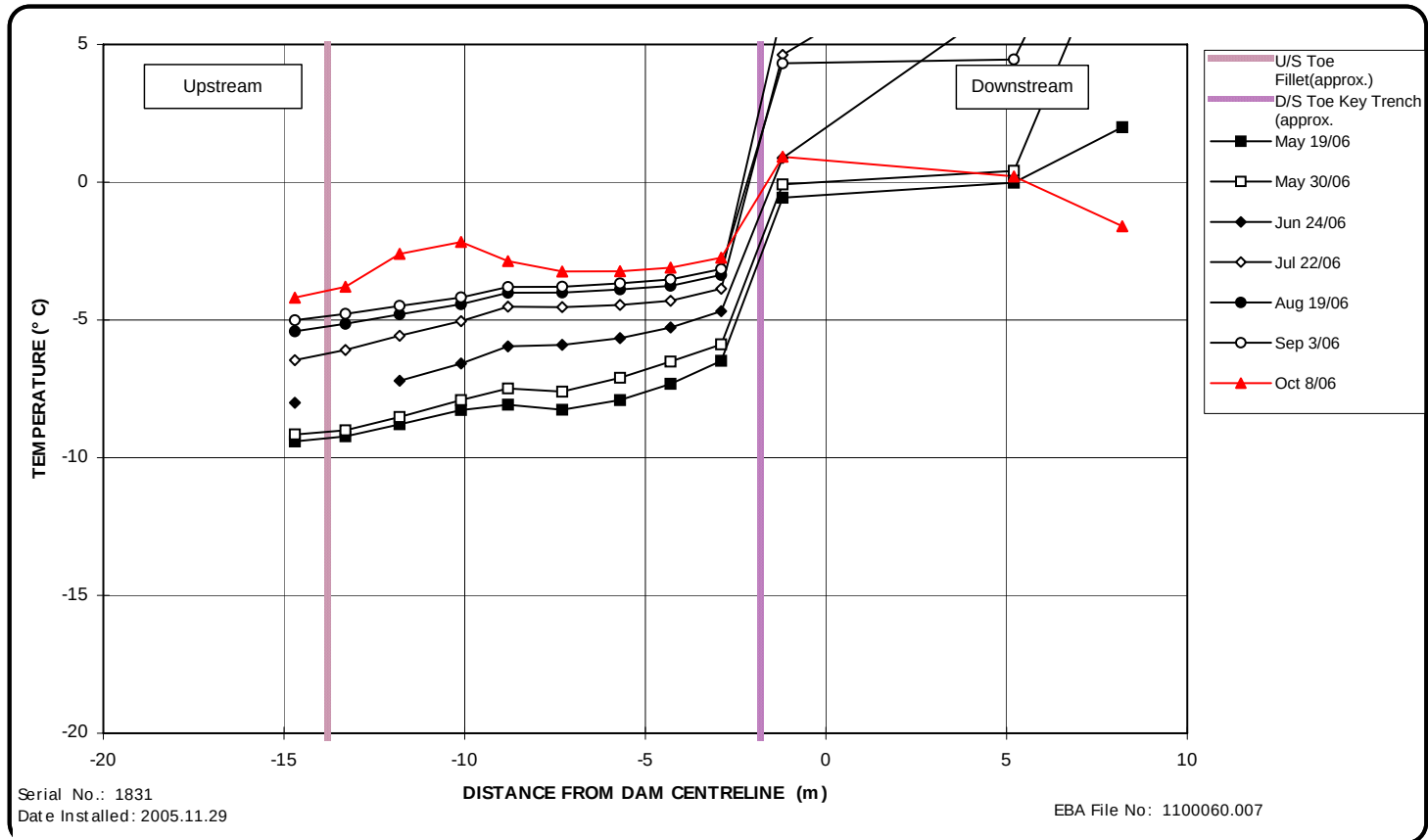


Figure A.2
Horizontal Ground Temperature Distribution
East Dam
Station 0+100, El. 517 m

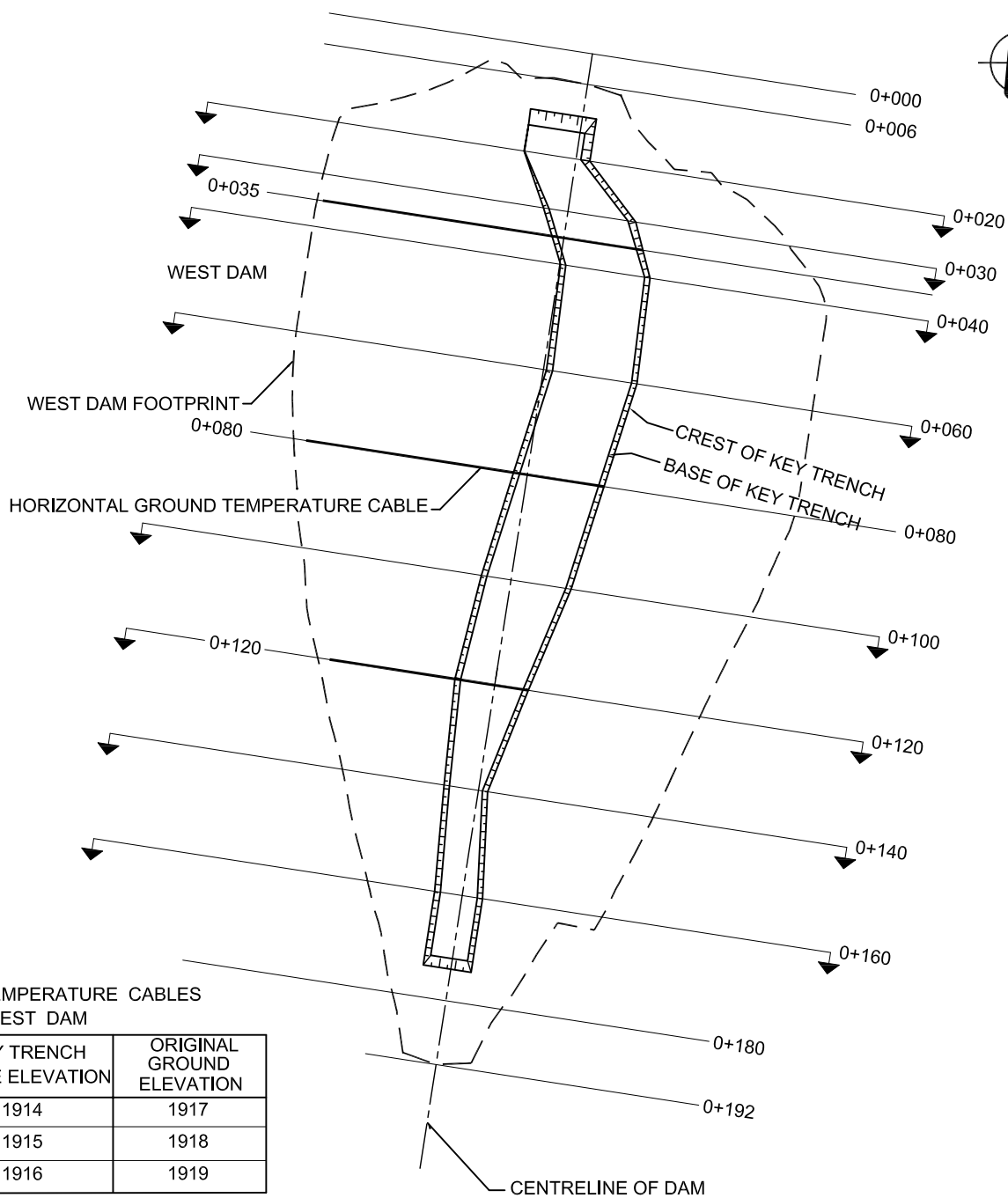
West Dam Thermistor Readings

There are six thermistor strings installed in the West Dam. The strings are installed at 3 locations along the length of the dam, with two strings at each location. Figure 1 Jericho Mine West Dam-Ground Temperature Cable Layout Plan and details shows the location of the strings. The following table lists the location of the strings installed within the core of the dam.

Station	Strings installed within Key Trench Base Elevation	Strings installed at Original Ground Elevation
0+035	S/N 1914	S/N 1917
0+080	S/N 1915	S/N 1918
0+120	S/N 1916	S/N 1919

Figure A.1 through A.3 represent strings in the key trench base. The figures illustrate the monthly temperature readings for strings S/N 1914 through S/N 1916.

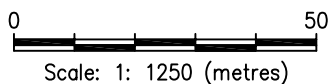
Figures B.1 through B.3 represent strings installed at original ground level elevations. The figures illustrate the monthly temperature readings for strings S/N 1917 through S/N 1919.



LEGEND:

— HORIZONTAL GROUND TEMPERATURE CABLE

NOTE: CABLE LOCATIONS BASED ON ORIGINAL DESIGN, ACTUAL LOCATIONS VARY AND WILL BE SHOWN ON AS BUILT DRAWINGS



EBA Engineering
Consultants Ltd.



CLIENT

TAHERA
Diamond Corporation

PROJECT

JERICO MINE
WEST DAM

TITLE

GROUND TEMPERATURE CABLE
LAYOUT PLAN AND DETAILS

DWN. JLS

CHKD. JP

EBA JOB NO. 1100060.007

FILE: 1100060007J01a.dwg

REVISION NO.: 1

DATE: June 2006

Figure 1

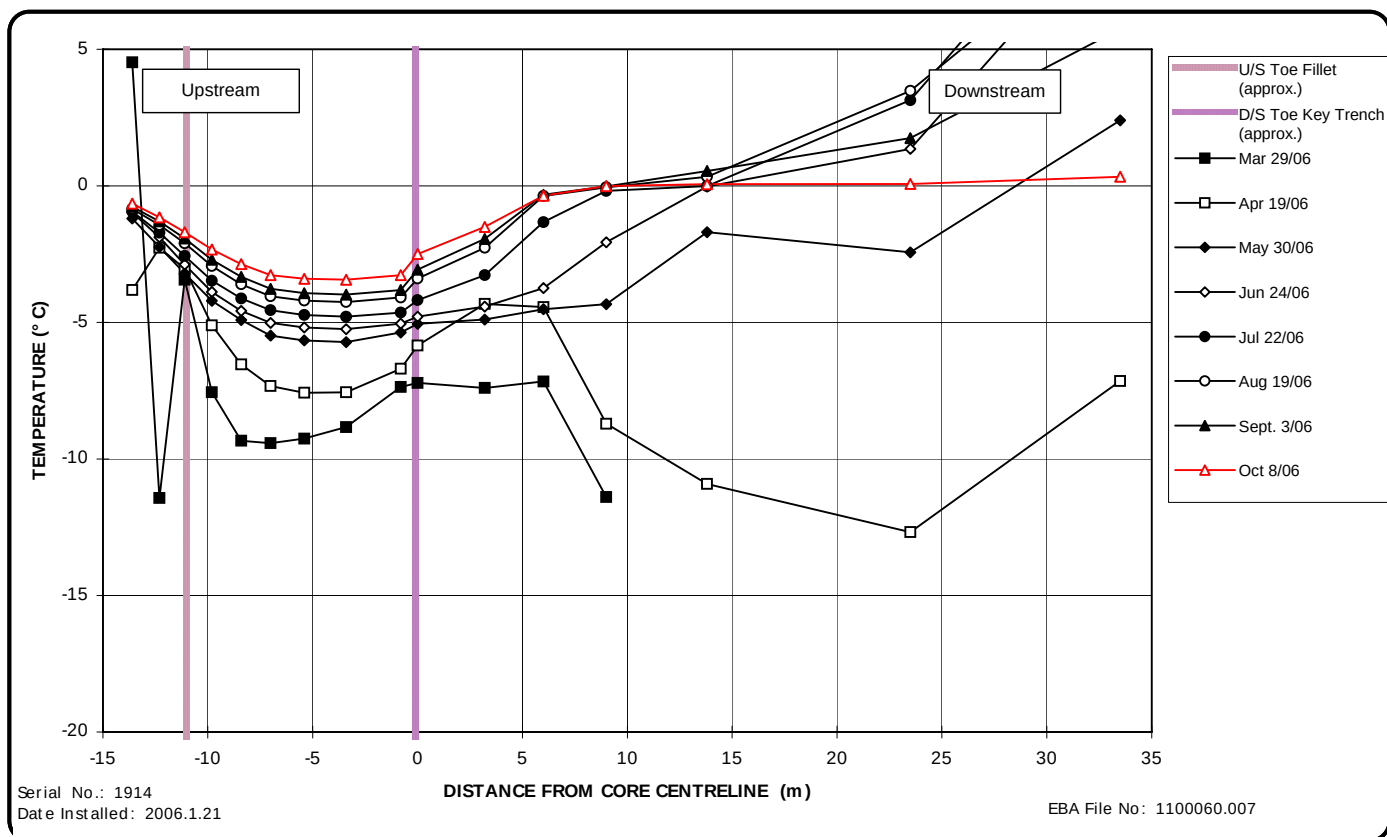
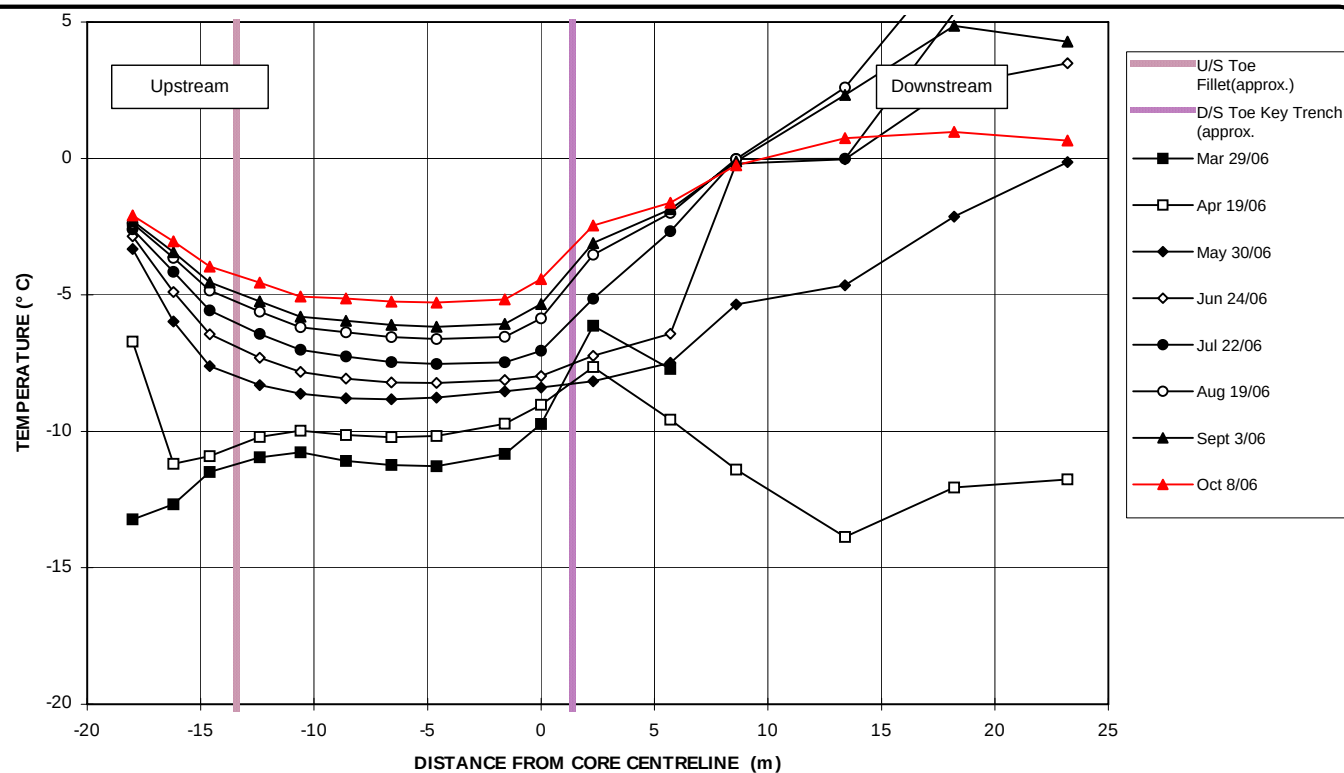


Figure A.1
Horizontal Ground Temperature Distribution
West Dam
Station 0+035, El. 513 m



Serial No.: 1915
Date Installed: 2006.1.20

EBA File No: 110060.007



Figure A.2
Horizontal Ground Temperature Distribution
West Dam
Station 0+080, El. 514 m

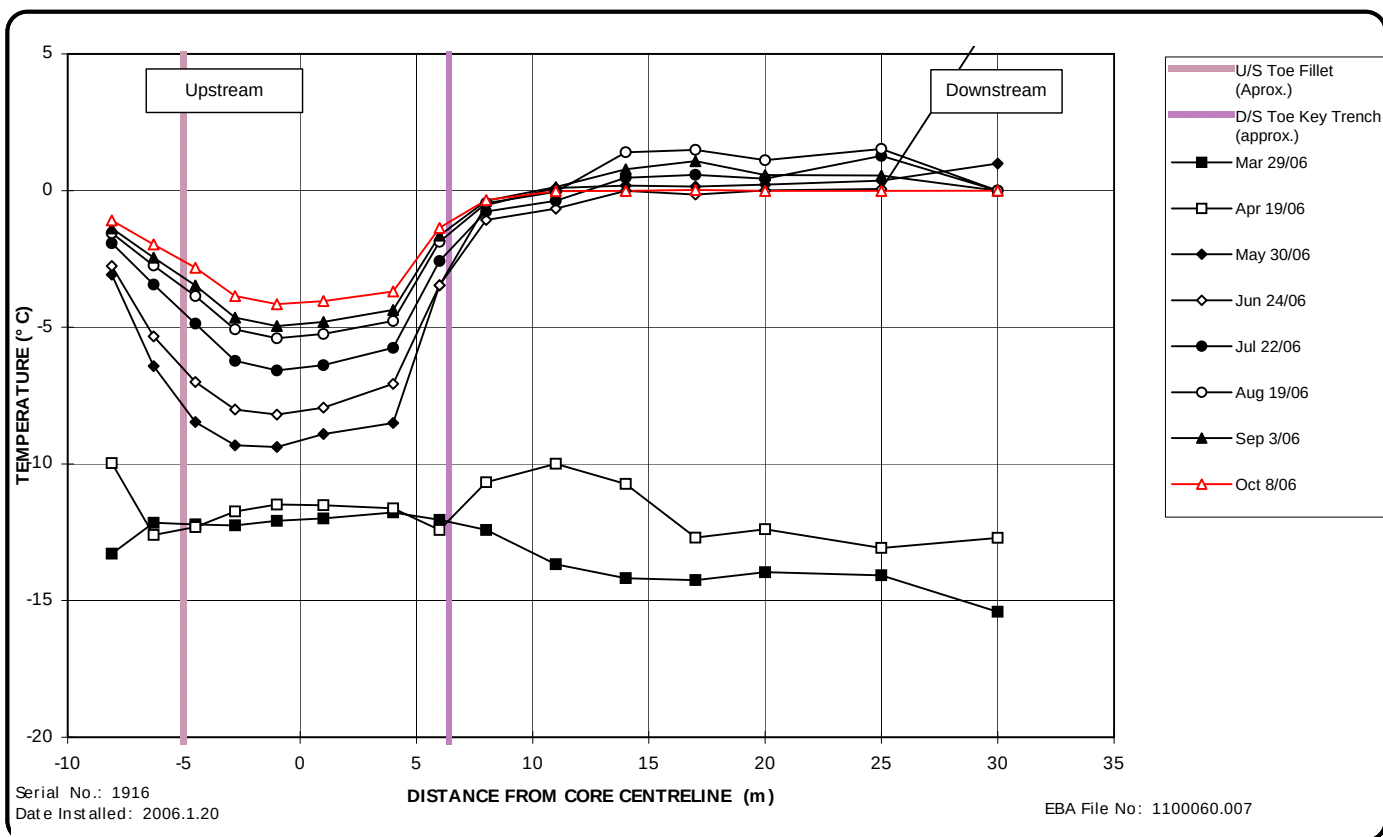


Figure A.3
Horizontal Ground Temperature Distribution
West Dam
Station 0+120, El. 518 m

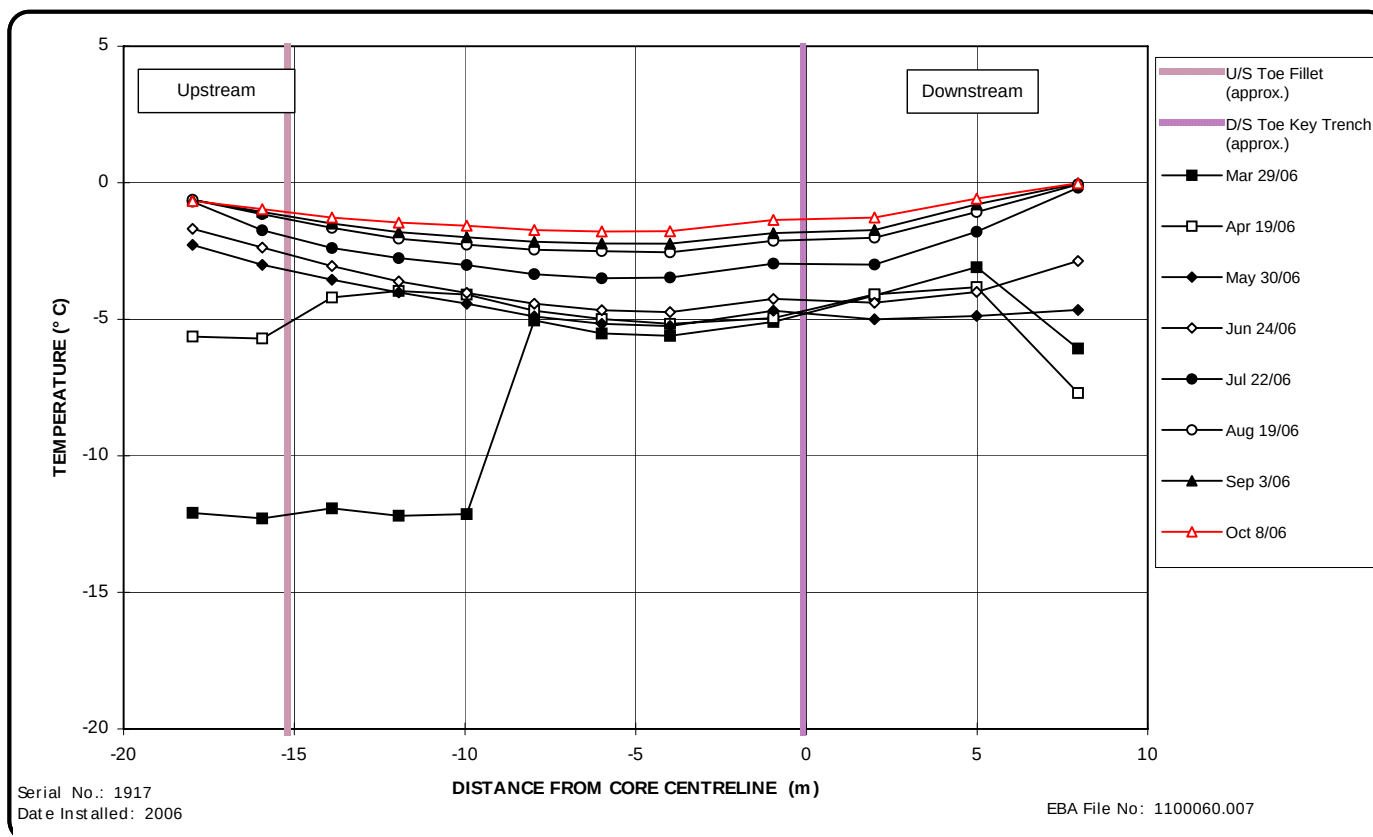


Figure B.1
Horizontal Ground Temperature Distribution
West Dam
Station 0+035, El. 516 m

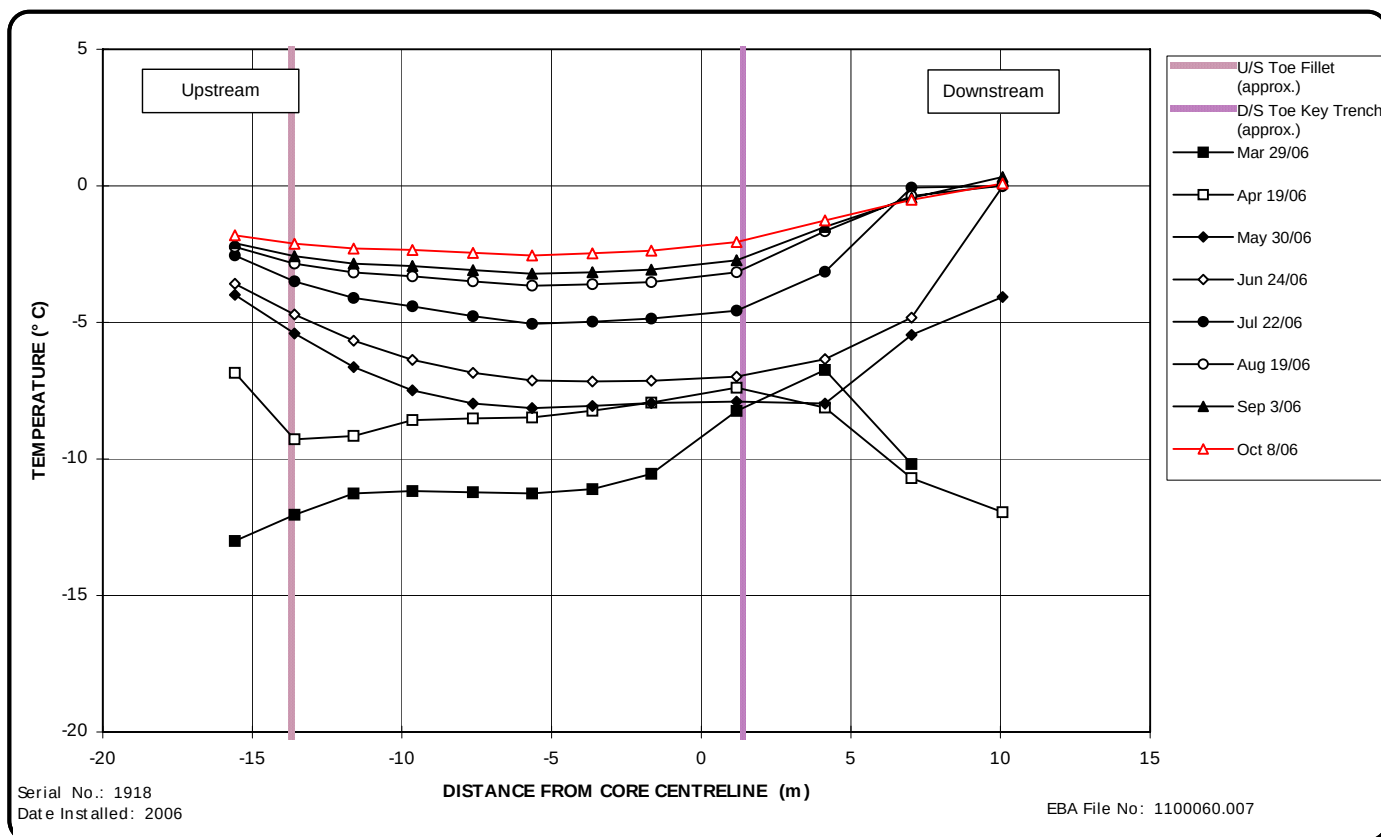


Figure B.2
Horizontal Ground Temperature Distribution
West Dam
Station 0+080, El. 518 m

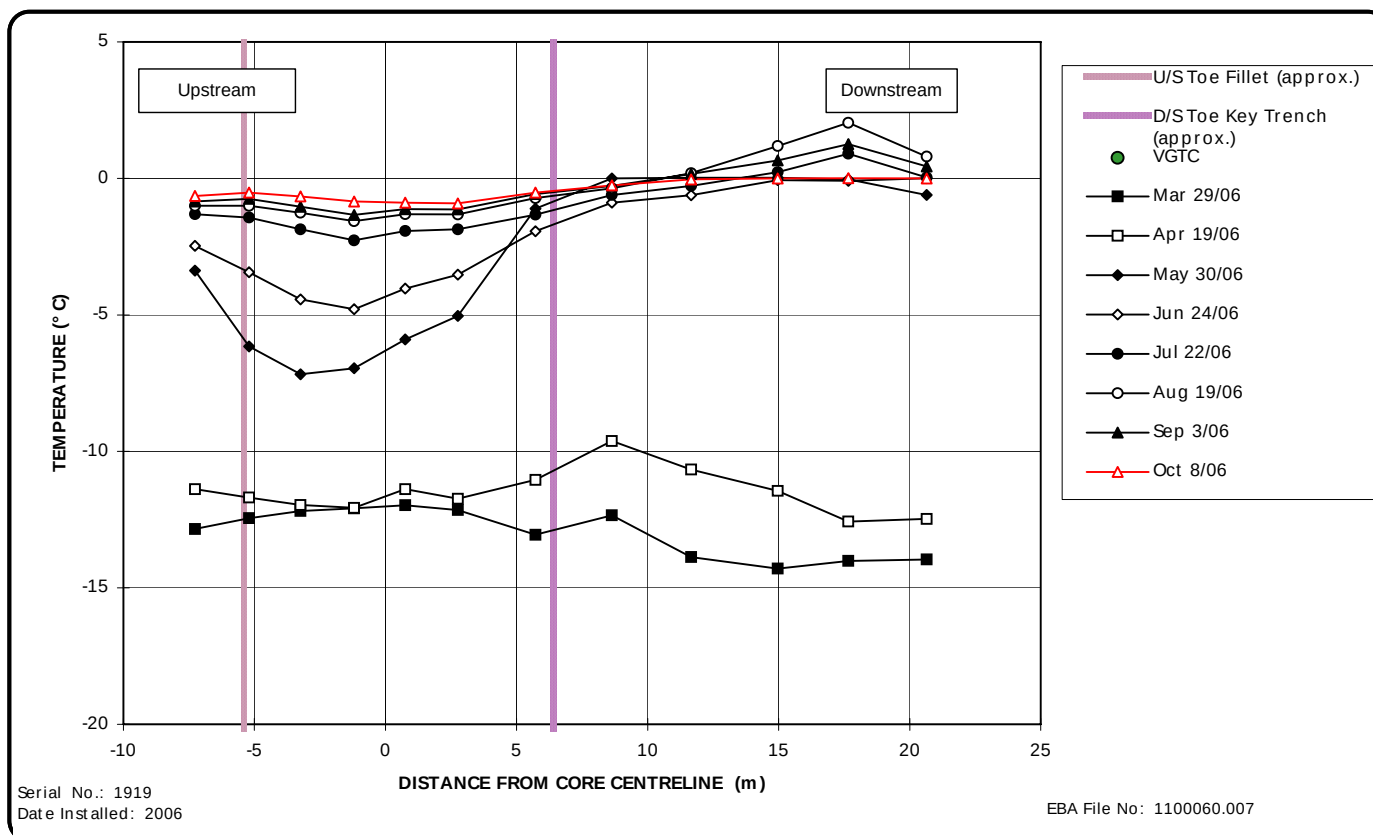


Figure B.3
Horizontal Ground Temperature Distribution
West Dam
Station 0+120, El. 520 m