

**APPENDIX F**

**WATER QUALITY DATA**

**Attention: Janice Ray**

**Report Date: 2005/06/08**

Your P.O. #: NSD016300  
 Your Project #: NSD 17650  
 Your C.O.C. #: 294022

**ANALYTICAL REPORT**

**MAXXAM JOB #: A548825**

**Received: 2005/06/02, 16:34**

Sample Matrix: Water  
 # Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Carbonate, Bicarbonate and Hydroxide	4	N/A	N/A		
Alkalinity <sup>(2)</sup>	4	N/A	2005/06/06	2015_1_2	Based on EPA310.2
Chloride	4	N/A	2005/06/06	2045_1_2	Based on SM4500-C
Colour	4	N/A	2005/06/06	2156_1_1	Based on EPA110.2
Conductance - water	4	N/A	2005/06/06	1013_1_2	Based on SM2510B
Hardness (calculated as CaCO3)	4	N/A	2005/06/08		
Total metals in water OES	3	N/A	2005/06/06	SOP 3120_2_1	Based on EPA200.7
Total metals in water OES	1	N/A	2005/06/07	SOP 3120_2_1	Based on EPA200.7
Elements by ICPMS - Total (FIAS) <sup>(2)</sup>	3	N/A	2005/06/03	3013_1_1	Based on EPA6020A
Elements by ICPMS - Total (FIAS) <sup>(2)</sup>	1	N/A	2005/06/06	3013_1_1	Based on EPA6020A
Ion Balance (% Difference)	4	N/A	2005/06/08		
Anion and Cation Sum	4	N/A	2005/06/08		
Nitrogen Ammonia - water	4	N/A	2005/06/07	2105_1_2	Based on USEPA 35
Nitrogen - Nitrate + Nitrite <sup>(2)</sup>	4	N/A	2005/06/07	2115_1_2	Based on EPA 353.1
Nitrogen - Nitrite <sup>(2)</sup>	4	N/A	2005/06/07	2125_1_1	Based on USEPA 35
Nitrogen - Nitrate (as N) <sup>(2)</sup>	4	N/A	2005/06/08	SOP 2130_1_1	Based on ASTM D38
pH <sup>(2)</sup>	4	N/A	2005/06/06	1007_1_1/1011_1_2	Based on EPA150.1
Phosphorus - ortho <sup>(2)</sup>	4	N/A	2005/06/08	2165_1_1	Based on USEPA 36
Sat. pH and Langelier Index (@ 20C)	4	N/A	2005/06/08		
Sat. pH and Langelier Index (@ 4C)	4	N/A	2005/06/08		
Reactive Silica <sup>(2)</sup>	4	N/A	2005/06/06	2185_1_1	Based on EPA 366.0
Sulphate <sup>(2)</sup>	4	N/A	2005/06/07	4065_1_2	Based on EPA 375.4
Total Dissolved Solids (TDS calc)	4	N/A	2005/06/08		
Organic carbon - Total (TOC) <sup>(2)</sup>	4	N/A	2005/06/06	2020_1_3	Based on SM 5310C
Total Suspended Solids <sup>(1,2)</sup>	4	N/A	2005/06/06	1020_1_3	based on EPA 160.2
Turbidity <sup>(2)</sup>	3	N/A	2005/06/06	1040_2_4	based on EPA 180.1
Turbidity <sup>(2)</sup>	1	N/A	2005/06/07	1040_2_4	based on EPA 180.1

(1) This test was performed by Bedford  
 (2) SCC/CAEAL

**Attention: Janice Ray**

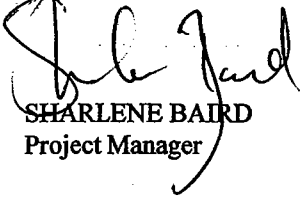
**Report Date: 2005/06/08**

Your P.O. #: NSD016300  
Your Project #: NSD 17650  
Your C.O.C. #: 294022

**ANALYTICAL REPORT**

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**MAXXAM ANALYTICS INC.**

  
SHARLENE BAIRD  
Project Manager

SBD/mke  
encl.

Total cover pages: 2

Maxxam Job #: A548825  
 Report Date: 2005/06/08

Jacques Whitford Limited {R}  
 Client Project #: NSD 17650  
 Project name:  
 Your P.O. #: NSD016300  
 Sampler Initials:

**RESULTS OF ANALYSES OF WATER**

Maxxam ID		G42152	G42153	G42154		
Sampling Date		2005/06/02 10:30	2005/06/02 12:00	2005/06/02 14:00		
COC Number		294022	294022	294022		
	<b>Units</b>	<b>A</b>	<b>B</b>	<b>D</b>	<b>DL</b>	<b>QC Batch</b>

<b>ANIONS</b>						
Dissolved Chloride (Cl)	mg/L	3.5	2.9	5.8	1	753034
Dissolved Sulphate (SO4)	mg/L	2.5	ND	4.0	2	753827
<b>CONVENTIONALS</b>						
Total Alkalinity (Total as CaCO3)	mg/L	ND	ND	ND	5	753507
Colour	TCU	13	31	44	5	752783
pH	pH	7.28	6.26	5.38	N/A	752500
Reactive Silica (SiO2)	mg/L	3.8	1.6	1.6	0.5	752837
Turbidity	NTU	<0.1	<0.1	0.3	0.1	753026
Conductivity	uS/cm	25	22	41	1	752492
<b>Nutrients</b>						
Nitrate + Nitrite	mg/L	ND	ND	ND	0.05	753783
Nitrite (N)	mg/L	ND	ND	ND	0.01	753936
Nitrogen (Ammonia Nitrogen)	mg/L	ND	ND	ND	0.05	753885
Total Organic Carbon (C)	mg/L	1.5	4.3	7.8	0.5	752936
Orthophosphate (P)	mg/L	ND	ND	ND	0.01	754701
<b>Physical Properties</b>						
Total Suspended Solids	mg/L	84	<2	5.0	2	752980

ND = Not detected  
 QC Batch = Quality Control Batch  
 Please check for attached comments

Maxxam Job #: A548825  
 Report Date: 2005/06/08

Jacques Whitford Limited {R}  
 Client Project #: NSD 17650  
 Project name:  
 Your P.O. #: NSD016300  
 Sampler Initials:

**RESULTS OF ANALYSES OF WATER**

Maxxam ID		G42155		
Sampling Date		2005/06/02 15:00		
COC Number		294022		
	<b>Units</b>	<b>E</b>	<b>DL</b>	<b>QC Batch</b>

<b>ANIONS</b>				
Dissolved Chloride (Cl)	mg/L	17	1	753034
Dissolved Sulphate (SO4)	mg/L	6.1	2	753827
<b>CONVENTIONALS</b>				
Total Alkalinity (Total as CaCO3)	mg/L	12	5	753507
Colour	TCU	19	5	752783
pH	pH	6.23	N/A	752500
Reactive Silica (SiO2)	mg/L	2.2	0.5	752837
Turbidity	NTU	0.7	0.1	754165
Conductivity	uS/cm	98	1	752492
<b>Nutrients</b>				
Nitrate + Nitrite	mg/L	ND	0.05	753783
Nitrite (N)	mg/L	ND	0.01	753936
Nitrogen (Ammonia Nitrogen)	mg/L	ND	0.05	753885
Total Organic Carbon (C)	mg/L	5.3	0.5	752936
Orthophosphate (P)	mg/L	ND	0.01	754701
<b>Physical Properties</b>				
Total Suspended Solids	mg/L	12	2	752980
ND = Not detected QC Batch = Quality Control Batch Please check for attached comments				

**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Maxxam ID		G42152	G42153	G42154		
Sampling Date		2005/06/02 10:30	2005/06/02 12:00	2005/06/02 14:00		
COC Number		294022	294022	294022		
	<b>Units</b>	<b>A</b>	<b>B</b>	<b>D</b>	<b>DL</b>	<b>QC Batch</b>

<b>METALS</b>						
Total Aluminum (Al)	ug/L	80	180	220	10	752643
Total Antimony (Sb)	ug/L	ND	ND	ND	2	752643
Total Arsenic (As)	ug/L	ND	ND	ND	2	752643
Total Barium (Ba)	ug/L	5.1	5.3	7.0	5	752643
Total Beryllium (Be)	ug/L	ND	ND	ND	2	752643
Total Bismuth (Bi)	ug/L	ND	ND	ND	2	752643
Total Boron (B)	ug/L	ND	5.5	7.1	5	752643
Total Cadmium (Cd)	ug/L	ND	ND	ND	0.3	752643
Total Chromium (Cr)	ug/L	ND	ND	ND	2	752643
Total Cobalt (Co)	ug/L	ND	ND	ND	1	752643
Total Copper (Cu)	ug/L	ND	ND	ND	2	752643
Total Iron (Fe)	ug/L	ND	100	160	50	752643
Total Lead (Pb)	ug/L	ND	0.5	0.5	0.5	752643
Total Manganese (Mn)	ug/L	5.2	27	38	2	752643
Total Molybdenum (Mo)	ug/L	ND	ND	ND	2	752643
Total Nickel (Ni)	ug/L	ND	ND	ND	2	752643
Total Selenium (Se)	ug/L	ND	ND	ND	2	752643
Total Silver (Ag)	ug/L	ND	ND	ND	0.5	752643
Total Strontium (Sr)	ug/L	8.5	5.8	11	5	752643
Total Thallium (Tl)	ug/L	ND	ND	ND	0.1	752643
Total Tin (Sn)	ug/L	ND	ND	ND	2	752643
Total Titanium (Ti)	ug/L	ND	ND	ND	2	752643
Total Uranium (U)	ug/L	ND	ND	ND	0.1	752643
Total Vanadium (V)	ug/L	ND	ND	ND	2	752643
Total Zinc (Zn)	ug/L	ND	5.8	7.5	5	752643
<b>Elements</b>						
Total Calcium (Ca)	mg/L	1.4	1.0	2.0	0.1	753388
Total Potassium (K)	mg/L	0.3	0.3	0.6	0.1	753388
Total Magnesium (Mg)	mg/L	0.4	0.3	0.5	0.1	753388
Total Sodium (Na)	mg/L	2.7	2.3	4.4	0.1	753388
Total Phosphorus (P)	mg/L	ND	ND	ND	0.1	753388

ND = Not detected  
 QC Batch = Quality Control Batch  
 Please check for attached comments

**ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)**

Maxxam ID		G42155		
Sampling Date		2005/06/02 15:00		
COC Number		294022		
	<b>Units</b>	<b>E</b>	<b>DL</b>	<b>QC Batch</b>

<b>METALS</b>				
Total Aluminum (Al)	ug/L	61	10	753428
Total Antimony (Sb)	ug/L	ND	2	753428
Total Arsenic (As)	ug/L	ND	2	753428
Total Barium (Ba)	ug/L	11	5	753428
Total Beryllium (Be)	ug/L	ND	2	753428
Total Bismuth (Bi)	ug/L	ND	2	753428
Total Boron (B)	ug/L	5.8	5	753428
Total Cadmium (Cd)	ug/L	ND	0.3	753428
Total Chromium (Cr)	ug/L	ND	2	753428
Total Cobalt (Co)	ug/L	ND	1	753428
Total Copper (Cu)	ug/L	ND	2	753428
Total Iron (Fe)	ug/L	82	50	753428
Total Lead (Pb)	ug/L	ND	0.5	753428
Total Manganese (Mn)	ug/L	100	2	753428
Total Molybdenum (Mo)	ug/L	ND	2	753428
Total Nickel (Ni)	ug/L	ND	2	753428
Total Selenium (Se)	ug/L	ND	2	753428
Total Silver (Ag)	ug/L	ND	0.5	753428
Total Strontium (Sr)	ug/L	23	5	753428
Total Thallium (Tl)	ug/L	ND	0.1	753428
Total Tin (Sn)	ug/L	ND	2	753428
Total Titanium (Ti)	ug/L	ND	2	753428
Total Uranium (U)	ug/L	ND	0.1	753428
Total Vanadium (V)	ug/L	ND	2	753428
Total Zinc (Zn)	ug/L	11	5	753428
<b>Elements</b>				
Total Calcium (Ca)	mg/L	8.2	0.1	753987
Total Potassium (K)	mg/L	1.2	0.1	753987
Total Magnesium (Mg)	mg/L	0.9	0.1	753987
Total Sodium (Na)	mg/L	12	0.1	753987
Total Phosphorus (P)	mg/L	ND	0.1	753987

ND = Not detected  
 QC Batch = Quality Control Batch  
 Please check for attached comments

Maxxam Job #: A548825  
 Report Date: 2005/06/08

Jacques Whitford Limited (R)  
 Client Project #: NSD 17650  
 Project name:  
 Your P.O. #: NSD016300  
 Sampler Initials:

**CALCULATED PARAMETERS (WATER)**

Maxxam ID		G42152	G42153	G42154	G42155		
Sampling Date		2005/06/02 10:30	2005/06/02 12:00	2005/06/02 14:00	2005/06/02 15:00		
COC Number		294022	294022	294022	294022		
	<b>Units</b>	<b>A</b>	<b>B</b>	<b>D</b>	<b>E</b>	<b>DL</b>	<b>QC Batch</b>

<b>CALCULATION</b>							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	ND	ND	ND	12.2	1	754353
Calculated TDS	mg/L	14.7	9	19.2	54.8	1	754361
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND	ND	ND	ND	1	754353
Dissolved Hardness (CaCO3)	mg/L	5.1	3.7	7.1	24	N/A	754321
Langelier Index (@ 20C)	N/A	NC	NC	NC	-3.09	N/A	754348
Langelier Index (@ 4C)	N/A	NC	NC	NC	-3.34	N/A	754355
Nitrate (N)	mg/L	ND	ND	ND	ND	0.05	754341
Saturation pH (@ 20C)	N/A	NC	NC	NC	9.32	N/A	754348
Saturation pH (@ 4C)	N/A	NC	NC	NC	9.57	N/A	754355
<b>RCAP Calculations</b>							
Anion Sum	me/L	0.152	0.0806	0.247	0.841	N/A	754334
Cation Sum	me/L	0.230	0.188	0.360	1.04	N/A	754334
Ion Balance (% Difference)	%	20.4	39.9	18.7	10.5	N/A	754327

ND = Not detected  
 NC = Non-calculable  
 QC Batch = Quality Control Batch  
 Please check for attached comments



Maxxam Job #: A548825  
Report Date: 2005/06/08

Jacques Whitford Limited {R}  
Client Project #: NSD 17650  
Project name:  
Your P.O. #: NSD016300  
Sampler Initials:

**GENERAL COMMENTS**

RCAp Ion Balances acceptable. Anion / Cation agreement within 0.2 meq/L.

**Results relate only to the items tested.**

Quality Assurance Report  
 Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed	Value	Recovery	Units	QC Limits
Num Init			yyyy/mm/dd				
752492 ARS	QC STANDARD	Conductivity	2005/06/06		102	%	80 - 120
	Method Blank	Conductivity	2005/06/06	0.78		uS/cm	
	RPD	Conductivity	2005/06/06	0.3		%	25
752500 ARS	QC STANDARD	pH	2005/06/06		102	%	80 - 120
	Method Blank	pH	2005/06/06	5.67		pH	
	RPD	pH	2005/06/06	0		%	25
752643 JRH	MATRIX SPIKE	Total Aluminum (Al)	2005/06/03		98	%	80 - 120
		Total Antimony (Sb)	2005/06/03		106	%	80 - 120
		Total Arsenic (As)	2005/06/03		117	%	80 - 120
		Total Barium (Ba)	2005/06/03		111	%	80 - 120
		Total Beryllium (Be)	2005/06/03		108	%	80 - 120
		Total Bismuth (Bi)	2005/06/03		105	%	80 - 120
		Total Boron (B)	2005/06/03		100	%	80 - 120
		Total Cadmium (Cd)	2005/06/03		113	%	80 - 120
		Total Chromium (Cr)	2005/06/03		106	%	80 - 120
		Total Cobalt (Co)	2005/06/03		108	%	80 - 120
		Total Copper (Cu)	2005/06/03		105	%	80 - 120
		Total Iron (Fe)	2005/06/03		107	%	80 - 120
		Total Lead (Pb)	2005/06/03		108	%	80 - 120
		Total Manganese (Mn)	2005/06/03		104	%	80 - 120
		Total Molybdenum (Mo)	2005/06/03		115	%	80 - 120
		Total Nickel (Ni)	2005/06/03		107	%	80 - 120
		Total Selenium (Se)	2005/06/03		120	%	80 - 120
		Total Silver (Ag)	2005/06/03		105	%	80 - 120
		Total Strontium (Sr)	2005/06/03		114	%	80 - 120
		Total Thallium (Tl)	2005/06/03		107	%	80 - 120
		Total Tin (Sn)	2005/06/03		104	%	80 - 120
		Total Titanium (Ti)	2005/06/03		108	%	80 - 120
		Total Uranium (U)	2005/06/03		110	%	80 - 120
		Total Vanadium (V)	2005/06/03		112	%	80 - 120
		Total Zinc (Zn)	2005/06/03		114	%	80 - 120
	QC STANDARD	Total Aluminum (Al)	2005/06/03		98	%	80 - 120
		Total Antimony (Sb)	2005/06/03		101	%	80 - 120
		Total Arsenic (As)	2005/06/03		102	%	80 - 120
		Total Barium (Ba)	2005/06/03		98	%	80 - 120
		Total Beryllium (Be)	2005/06/03		104	%	80 - 120
		Total Boron (B)	2005/06/03		101	%	80 - 120
		Total Cadmium (Cd)	2005/06/03		103	%	80 - 120
		Total Chromium (Cr)	2005/06/03		104	%	80 - 120
		Total Cobalt (Co)	2005/06/03		104	%	80 - 120
		Total Copper (Cu)	2005/06/03		103	%	80 - 120
		Total Iron (Fe)	2005/06/03		105	%	80 - 120
		Total Lead (Pb)	2005/06/03		106	%	80 - 120
		Total Manganese (Mn)	2005/06/03		102	%	80 - 120
		Total Molybdenum (Mo)	2005/06/03		101	%	80 - 120
		Total Nickel (Ni)	2005/06/03		102	%	80 - 120
		Total Selenium (Se)	2005/06/03		96	%	80 - 120
		Total Strontium (Sr)	2005/06/03		103	%	80 - 120
		Total Thallium (Tl)	2005/06/03		98	%	80 - 120
		Total Uranium (U)	2005/06/03		106	%	80 - 120
		Total Vanadium (V)	2005/06/03		104	%	80 - 120
		Total Zinc (Zn)	2005/06/03		104	%	80 - 120
	Spiked Blank	Total Aluminum (Al)	2005/06/03		102	%	80 - 120
		Total Antimony (Sb)	2005/06/03		99	%	80 - 120
		Total Arsenic (As)	2005/06/03		97	%	80 - 120
		Total Barium (Ba)	2005/06/03		100	%	80 - 120

Jacques Whitford Limited {R}  
 Attention: Janice Ray  
 Client Project #: NSD 17650  
 P.O. #: NSD016300  
 Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
752643 JRH	Spiked Blank	Total Beryllium (Be)	2005/06/03		99	%	80 - 120
		Total Bismuth (Bi)	2005/06/03		102	%	80 - 120
		Total Boron (B)	2005/06/03		93	%	80 - 120
		Total Cadmium (Cd)	2005/06/03		98	%	80 - 120
		Total Chromium (Cr)	2005/06/03		100	%	80 - 120
		Total Cobalt (Co)	2005/06/03		100	%	80 - 120
		Total Copper (Cu)	2005/06/03		99	%	80 - 120
		Total Iron (Fe)	2005/06/03		108	%	80 - 120
		Total Lead (Pb)	2005/06/03		100	%	80 - 120
		Total Manganese (Mn)	2005/06/03		102	%	80 - 120
		Total Molybdenum (Mo)	2005/06/03		100	%	80 - 120
		Total Nickel (Ni)	2005/06/03		99	%	80 - 120
		Total Selenium (Se)	2005/06/03		97	%	80 - 120
		Total Silver (Ag)	2005/06/03		98	%	80 - 120
		Total Strontium (Sr)	2005/06/03		101	%	80 - 120
		Total Thallium (Tl)	2005/06/03		99	%	80 - 120
		Total Tin (Sn)	2005/06/03		98	%	80 - 120
		Total Titanium (Ti)	2005/06/03		100	%	80 - 120
		Total Uranium (U)	2005/06/03		99	%	80 - 120
		Total Vanadium (V)	2005/06/03		101	%	80 - 120
		Total Zinc (Zn)	2005/06/03		104	%	80 - 120
	Method Blank	Total Aluminum (Al)	2005/06/03	ND, DL=10		ug/L	
		Total Antimony (Sb)	2005/06/03	ND, DL=2		ug/L	
		Total Arsenic (As)	2005/06/03	ND, DL=2		ug/L	
		Total Barium (Ba)	2005/06/03	ND, DL=5		ug/L	
		Total Beryllium (Be)	2005/06/03	ND, DL=2		ug/L	
		Total Bismuth (Bi)	2005/06/03	ND, DL=2		ug/L	
		Total Boron (B)	2005/06/03	ND, DL=5		ug/L	
		Total Cadmium (Cd)	2005/06/03	ND, DL=0.3		ug/L	
		Total Chromium (Cr)	2005/06/03	ND, DL=2		ug/L	
		Total Cobalt (Co)	2005/06/03	ND, DL=1		ug/L	
		Total Copper (Cu)	2005/06/03	ND, DL=2		ug/L	
		Total Iron (Fe)	2005/06/03	ND, DL=50		ug/L	
		Total Lead (Pb)	2005/06/03	ND, DL=0.5		ug/L	
		Total Manganese (Mn)	2005/06/03	ND, DL=2		ug/L	
		Total Molybdenum (Mo)	2005/06/03	ND, DL=2		ug/L	
		Total Nickel (Ni)	2005/06/03	ND, DL=2		ug/L	
		Total Selenium (Se)	2005/06/03	ND, DL=2		ug/L	
		Total Silver (Ag)	2005/06/03	ND, DL=0.5		ug/L	
		Total Strontium (Sr)	2005/06/03	ND, DL=5		ug/L	
		Total Thallium (Tl)	2005/06/03	ND, DL=0.1		ug/L	
		Total Tin (Sn)	2005/06/03	ND, DL=2		ug/L	
		Total Titanium (Ti)	2005/06/03	ND, DL=2		ug/L	
		Total Uranium (U)	2005/06/03	ND, DL=0.1		ug/L	
		Total Vanadium (V)	2005/06/03	ND, DL=2		ug/L	
		Total Zinc (Zn)	2005/06/03	ND, DL=5		ug/L	
	RPD	Total Aluminum (Al)	2005/06/03	NC		%	25
		Total Antimony (Sb)	2005/06/03	NC		%	25
		Total Arsenic (As)	2005/06/03	NC		%	25
		Total Barium (Ba)	2005/06/03	6.0		%	25
		Total Beryllium (Be)	2005/06/03	NC		%	25
		Total Bismuth (Bi)	2005/06/03	NC		%	25
		Total Boron (B)	2005/06/03	13.1		%	25
		Total Cadmium (Cd)	2005/06/03	NC		%	25
		Total Chromium (Cr)	2005/06/03	NC		%	25
		Total Cobalt (Co)	2005/06/03	NC		%	25

Bedford: 200 Bluewater Road Bedford NS B4B 1G9 Telephone(902)420-0203 FAX(902)420-8612

Jacques Whitford Limited {R}  
 Attention: Janice Ray  
 Client Project #: NSD 17650  
 P.O. #: NSD016300  
 Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed	Value	Recovery	Units	QC Limits
752643 JRH	RPD	Total Copper (Cu)	2005/06/03	NC		%	25
		Total Iron (Fe)	2005/06/03	NC		%	25
		Total Lead (Pb)	2005/06/03	NC		%	25
		Total Manganese (Mn)	2005/06/03	NC		%	25
		Total Molybdenum (Mo)	2005/06/03	NC		%	25
		Total Nickel (Ni)	2005/06/03	NC		%	25
		Total Selenium (Se)	2005/06/03	NC		%	25
		Total Silver (Ag)	2005/06/03	NC		%	25
		Total Strontium (Sr)	2005/06/03	5.4		%	25
		Total Thallium (Tl)	2005/06/03	NC		%	25
		Total Tin (Sn)	2005/06/03	NC		%	25
		Total Titanium (Ti)	2005/06/03	NC		%	25
		Total Uranium (U)	2005/06/03	3.0		%	25
		Total Vanadium (V)	2005/06/03	NC		%	25
		Total Zinc (Zn)	2005/06/03	NC		%	25
752783 KBA	QC STANDARD	Colour	2005/06/06		89	%	80 - 120
	Method Blank	Colour	2005/06/06	ND, DL=5		TCU	
752837 KBA	MATRIX SPIKE	Reactive Silica (SiO2)	2005/06/06		95	%	75 - 125
	QC STANDARD	Reactive Silica (SiO2)	2005/06/06		89	%	75 - 125
	Spiked Blank	Reactive Silica (SiO2)	2005/06/06		95	%	75 - 125
	Method Blank	Reactive Silica (SiO2)	2005/06/06	ND, DL=0.5		mg/L	
	RPD	Reactive Silica (SiO2)	2005/06/06	2.1		%	25
752936 MLB	MATRIX SPIKE	Total Organic Carbon (C)	2005/06/06		82	%	75 - 125
	QC STANDARD	Total Organic Carbon (C)	2005/06/06		93	%	80 - 120
	Spiked Blank	Total Organic Carbon (C)	2005/06/06		100	%	75 - 125
	Method Blank	Total Organic Carbon (C)	2005/06/06	ND, DL=0.5		mg/L	
	RPD	Total Organic Carbon (C)	2005/06/06	4.3		%	25
752980 RSW	QC STANDARD	Total Suspended Solids	2005/06/06		111	%	N/A
	Method Blank	Total Suspended Solids	2005/06/06	<1		mg/L	
	RPD	Total Suspended Solids	2005/06/06	NC		%	N/A
753026 ARS	QC STANDARD	Turbidity	2005/06/06		101	%	80 - 120
	Method Blank	Turbidity	2005/06/06	<0.1		NTU	
	RPD	Turbidity	2005/06/06	NC		%	25
753034 KBA	MATRIX SPIKE	Dissolved Chloride (Cl)	2005/06/06		111	%	80 - 120
	QC STANDARD	Dissolved Chloride (Cl)	2005/06/06		97	%	80 - 120
	Spiked Blank	Dissolved Chloride (Cl)	2005/06/06		107	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2005/06/06	ND, DL=1		mg/L	
	RPD	Dissolved Chloride (Cl)	2005/06/06	4.2		%	25
753388 CMO	MATRIX SPIKE	Total Calcium (Ca)	2005/06/06		96	%	80 - 120
		Total Potassium (K)	2005/06/06		96	%	80 - 120
		Total Magnesium (Mg)	2005/06/06		93	%	80 - 120
		Total Sodium (Na)	2005/06/06		97	%	80 - 120
		Total Phosphorus (P)	2005/06/06		100	%	80 - 120
	QC STANDARD	Total Calcium (Ca)	2005/06/06		111	%	80 - 120
		Total Potassium (K)	2005/06/06		101	%	80 - 120
		Total Magnesium (Mg)	2005/06/06		108	%	80 - 120
		Total Sodium (Na)	2005/06/06		108	%	80 - 120
		Total Phosphorus (P)	2005/06/06		92	%	80 - 120
	Spiked Blank	Total Calcium (Ca)	2005/06/06		102	%	80 - 120
		Total Potassium (K)	2005/06/06		102	%	80 - 120
		Total Magnesium (Mg)	2005/06/06		101	%	80 - 120
		Total Sodium (Na)	2005/06/06		103	%	80 - 120
		Total Phosphorus (P)	2005/06/06		100	%	80 - 120
	Method Blank	Total Calcium (Ca)	2005/06/06	ND, DL=0.1		mg/L	
		Total Potassium (K)	2005/06/06	ND, DL=0.1		mg/L	
		Total Magnesium (Mg)	2005/06/06	ND, DL=0.1		mg/L	

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Jacques Whitford Limited {R}  
 Attention: Janice Ray  
 Client Project #: NSD 17650  
 P.O. #: NSD016300  
 Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
753388 CMO	Method Blank	Total Sodium (Na)	2005/06/06	ND, DL=0.1		mg/L	
		Total Phosphorus (P)	2005/06/06	ND, DL=0.1		mg/L	
753428 JRH	MATRIX SPIKE	Total Aluminum (Al)	2005/06/06		102	%	80 - 120
		Total Antimony (Sb)	2005/06/06		104	%	80 - 120
		Total Arsenic (As)	2005/06/06		111	%	80 - 120
		Total Barium (Ba)	2005/06/06		119	%	80 - 120
		Total Beryllium (Be)	2005/06/06		114	%	80 - 120
		Total Bismuth (Bi)	2005/06/06		99	%	80 - 120
		Total Boron (B)	2005/06/06		95	%	80 - 120
		Total Cadmium (Cd)	2005/06/06		116	%	80 - 120
		Total Chromium (Cr)	2005/06/06		111	%	80 - 120
		Total Cobalt (Co)	2005/06/06		115	%	80 - 120
		Total Copper (Cu)	2005/06/06		!!138	%	80 - 120
		Total Iron (Fe)	2005/06/06		!!370	%	80 - 120
		Total Lead (Pb)	2005/06/06		117	%	80 - 120
		Total Manganese (Mn)	2005/06/06		107	%	80 - 120
		Total Molybdenum (Mo)	2005/06/06		112	%	80 - 120
		Total Nickel (Ni)	2005/06/06		115	%	80 - 120
		Total Selenium (Se)	2005/06/06		!!125	%	80 - 120
		Total Silver (Ag)	2005/06/06		101	%	80 - 120
		Total Strontium (Sr)	2005/06/06		!!133	%	80 - 120
		Total Thallium (Tl)	2005/06/06		107	%	80 - 120
		Total Tin (Sn)	2005/06/06		101	%	80 - 120
		Total Titanium (Ti)	2005/06/06		104	%	80 - 120
		Total Uranium (U)	2005/06/06		109	%	80 - 120
		Total Vanadium (V)	2005/06/06		113	%	80 - 120
		Total Zinc (Zn)	2005/06/06		117	%	80 - 120
	QC STANDARD	Total Aluminum (Al)	2005/06/06		99	%	80 - 120
		Total Antimony (Sb)	2005/06/06		105	%	80 - 120
		Total Arsenic (As)	2005/06/06		108	%	80 - 120
		Total Barium (Ba)	2005/06/06		103	%	80 - 120
		Total Beryllium (Be)	2005/06/06		108	%	80 - 120
		Total Boron (B)	2005/06/06		103	%	80 - 120
		Total Cadmium (Cd)	2005/06/06		109	%	80 - 120
		Total Chromium (Cr)	2005/06/06		107	%	80 - 120
		Total Cobalt (Co)	2005/06/06		109	%	80 - 120
		Total Copper (Cu)	2005/06/06		107	%	80 - 120
		Total Iron (Fe)	2005/06/06		102	%	80 - 120
		Total Lead (Pb)	2005/06/06		111	%	80 - 120
		Total Manganese (Mn)	2005/06/06		105	%	80 - 120
		Total Molybdenum (Mo)	2005/06/06		105	%	80 - 120
		Total Nickel (Ni)	2005/06/06		108	%	80 - 120
		Total Selenium (Se)	2005/06/06		106	%	80 - 120
		Total Strontium (Sr)	2005/06/06		110	%	80 - 120
		Total Thallium (Tl)	2005/06/06		95	%	80 - 120
		Total Uranium (U)	2005/06/06		109	%	80 - 120
		Total Vanadium (V)	2005/06/06		110	%	80 - 120
		Total Zinc (Zn)	2005/06/06		107	%	80 - 120
	Spiked Blank	Total Aluminum (Al)	2005/06/06		102	%	80 - 120
		Total Antimony (Sb)	2005/06/06		97	%	80 - 120
		Total Arsenic (As)	2005/06/06		96	%	80 - 120
		Total Barium (Ba)	2005/06/06		99	%	80 - 120
		Total Beryllium (Be)	2005/06/06		102	%	80 - 120
		Total Bismuth (Bi)	2005/06/06		102	%	80 - 120
		Total Boron (B)	2005/06/06		91	%	80 - 120
		Total Cadmium (Cd)	2005/06/06		100	%	80 - 120

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Jacques Whitford Limited {R}  
 Attention: Janice Ray  
 Client Project #: NSD 17650  
 P.O. #: NSD016300  
 Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits		
753428 JRH	Spiked Blank	Total Chromium (Cr)	2005/06/06		96	%	80 - 120		
		Total Cobalt (Co)	2005/06/06		99	%	80 - 120		
		Total Copper (Cu)	2005/06/06		100	%	80 - 120		
		Total Iron (Fe)	2005/06/06		109	%	80 - 120		
		Total Lead (Pb)	2005/06/06		100	%	80 - 120		
		Total Manganese (Mn)	2005/06/06		99	%	80 - 120		
		Total Molybdenum (Mo)	2005/06/06		98	%	80 - 120		
		Total Nickel (Ni)	2005/06/06		100	%	80 - 120		
		Total Selenium (Se)	2005/06/06		98	%	80 - 120		
		Total Silver (Ag)	2005/06/06		98	%	80 - 120		
		Total Strontium (Sr)	2005/06/06		103	%	80 - 120		
		Total Thallium (Tl)	2005/06/06		99	%	80 - 120		
		Total Tin (Sn)	2005/06/06		99	%	80 - 120		
		Total Titanium (Ti)	2005/06/06		98	%	80 - 120		
		Total Uranium (U)	2005/06/06		98	%	80 - 120		
		Total Vanadium (V)	2005/06/06		97	%	80 - 120		
		Total Zinc (Zn)	2005/06/06		98	%	80 - 120		
		Method Blank	Total Aluminum (Al)	2005/06/06		ND, DL=10		ug/L	
			Total Antimony (Sb)	2005/06/06		ND, DL=2		ug/L	
			Total Arsenic (As)	2005/06/06		ND, DL=2		ug/L	
	Total Barium (Ba)		2005/06/06		ND, DL=5		ug/L		
	Total Beryllium (Be)		2005/06/06		ND, DL=2		ug/L		
	Total Bismuth (Bi)		2005/06/06		ND, DL=2		ug/L		
	Total Boron (B)		2005/06/06		ND, DL=5		ug/L		
	Total Cadmium (Cd)		2005/06/06		ND, DL=0.3		ug/L		
	Total Chromium (Cr)		2005/06/06		ND, DL=2		ug/L		
	Total Cobalt (Co)		2005/06/06		ND, DL=1		ug/L		
	Total Copper (Cu)		2005/06/06		ND, DL=2		ug/L		
	Total Iron (Fe)		2005/06/06		ND, DL=50		ug/L		
	Total Lead (Pb)		2005/06/06		ND, DL=0.5		ug/L		
	Total Manganese (Mn)		2005/06/06		ND, DL=2		ug/L		
	Total Molybdenum (Mo)		2005/06/06		ND, DL=2		ug/L		
	Total Nickel (Ni)		2005/06/06		ND, DL=2		ug/L		
	Total Selenium (Se)		2005/06/06		ND, DL=2		ug/L		
	Total Silver (Ag)		2005/06/06		ND, DL=0.5		ug/L		
	Total Strontium (Sr)		2005/06/06		ND, DL=5		ug/L		
	Total Thallium (Tl)		2005/06/06		ND, DL=0.1		ug/L		
	Total Tin (Sn)	2005/06/06		ND, DL=2		ug/L			
	Total Titanium (Ti)	2005/06/06		ND, DL=2		ug/L			
	Total Uranium (U)	2005/06/06		ND, DL=0.1		ug/L			
	Total Vanadium (V)	2005/06/06		ND, DL=2		ug/L			
Total Zinc (Zn)	2005/06/06		ND, DL=5		ug/L				
RPD	Total Aluminum (Al)	2005/06/06		0.1		%	25		
	Total Antimony (Sb)	2005/06/06		NC		%	25		
	Total Arsenic (As)	2005/06/06		NC		%	25		
	Total Barium (Ba)	2005/06/06		1.7		%	25		
	Total Beryllium (Be)	2005/06/06		NC		%	25		
	Total Bismuth (Bi)	2005/06/06		NC		%	25		
	Total Boron (B)	2005/06/06		NC		%	25		
	Total Cadmium (Cd)	2005/06/06		NC		%	25		
	Total Chromium (Cr)	2005/06/06		NC		%	25		
	Total Cobalt (Co)	2005/06/06		NC		%	25		
Total Copper (Cu)	2005/06/06		NC		%	25			
Total Iron (Fe)	2005/06/06		NC		%	25			
Total Lead (Pb)	2005/06/06		NC		%	25			
Total Manganese (Mn)	2005/06/06		3.0		%	25			

Jacques Whitford Limited {R}  
 Attention: Janice Ray  
 Client Project #: NSD 17650  
 P.O. #: NSD016300  
 Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
753428 JRH	RPD	Total Molybdenum (Mo)	2005/06/06	NC		%	25
		Total Nickel (Ni)	2005/06/06	NC		%	25
		Total Selenium (Se)	2005/06/06	NC		%	25
		Total Silver (Ag)	2005/06/06	NC		%	25
		Total Strontium (Sr)	2005/06/06	NC		%	25
		Total Thallium (Tl)	2005/06/06	NC		%	25
		Total Tin (Sn)	2005/06/06	NC		%	25
		Total Titanium (Ti)	2005/06/06	NC		%	25
		Total Uranium (U)	2005/06/06	NC		%	25
		Total Vanadium (V)	2005/06/06	NC		%	25
		Total Zinc (Zn)	2005/06/06	NC		%	25
753507 KBA	MATRIX SPIKE	Total Alkalinity (Total as CaCO3)	2005/06/06		86	%	80 - 120
	QC STANDARD	Total Alkalinity (Total as CaCO3)	2005/06/06		91	%	80 - 120
	Method Blank	Total Alkalinity (Total as CaCO3)	2005/06/06	ND, DL=5		mg/L	
753783 MCN	RPD	Total Alkalinity (Total as CaCO3)	2005/06/06	3.7		%	25
	QC STANDARD	Nitrate + Nitrite	2005/06/07		102	%	80 - 120
	Spiked Blank	Nitrate + Nitrite	2005/06/07		106	%	80 - 120
753827 KBA	Method Blank	Nitrate + Nitrite	2005/06/07	ND, DL=0.05		mg/L	
	MATRIX SPIKE	Dissolved Sulphate (SO4)	2005/06/07		111	%	80 - 120
	QC STANDARD	Dissolved Sulphate (SO4)	2005/06/07		103	%	80 - 120
753885 MCN	Spiked Blank	Dissolved Sulphate (SO4)	2005/06/07		108	%	80 - 120
	Method Blank	Dissolved Sulphate (SO4)	2005/06/07	ND, DL=2		mg/L	
	RPD	Dissolved Sulphate (SO4)	2005/06/07	23.4		%	25
753936 MCN	QC STANDARD	Nitrogen (Ammonia Nitrogen)	2005/06/07		101	%	80 - 120
	Spiked Blank	Nitrogen (Ammonia Nitrogen)	2005/06/07		85	%	80 - 120
	Method Blank	Nitrogen (Ammonia Nitrogen)	2005/06/07	ND, DL=0.05		mg/L	
753987 CMO	MATRIX SPIKE	Nitrite (N)	2005/06/07		114	%	80 - 120
	QC STANDARD	Nitrite (N)	2005/06/07		98	%	80 - 120
	Spiked Blank	Nitrite (N)	2005/06/07		116	%	80 - 120
	Method Blank	Nitrite (N)	2005/06/07	ND, DL=0.01		mg/L	
	RPD	Nitrite (N)	2005/06/07	NC		%	25
753987 CMO	MATRIX SPIKE	Total Calcium (Ca)	2005/06/07		105	%	80 - 120
	Total Potassium (K)	2005/06/07		97	%	80 - 120	
	Total Magnesium (Mg)	2005/06/07		102	%	80 - 120	
	Total Sodium (Na)	2005/06/07		104	%	80 - 120	
	Total Phosphorus (P)	2005/06/07		95	%	80 - 120	
	QC STANDARD	Total Calcium (Ca)	2005/06/07		115	%	80 - 120
	Total Potassium (K)	2005/06/07		99	%	80 - 120	
	Total Magnesium (Mg)	2005/06/07		111	%	80 - 120	
	Total Sodium (Na)	2005/06/07		110	%	80 - 120	
	Total Phosphorus (P)	2005/06/07		90	%	80 - 120	
	Spiked Blank	Total Calcium (Ca)	2005/06/07		105	%	80 - 120
	Total Potassium (K)	2005/06/07		96	%	80 - 120	
	Total Magnesium (Mg)	2005/06/07		100	%	80 - 120	
	Total Sodium (Na)	2005/06/07		103	%	80 - 120	
	Total Phosphorus (P)	2005/06/07		94	%	80 - 120	
	Method Blank	Total Calcium (Ca)	2005/06/07	ND, DL=0.1		mg/L	
	Total Potassium (K)	2005/06/07	ND, DL=0.1		mg/L		
	Total Magnesium (Mg)	2005/06/07	ND, DL=0.1		mg/L		
	Total Sodium (Na)	2005/06/07	ND, DL=0.1		mg/L		
	Total Phosphorus (P)	2005/06/07	ND, DL=0.1		mg/L		
	RPD	Total Calcium (Ca)	2005/06/07	1.4		%	25
	Total Potassium (K)	2005/06/07	0.3		%	25	
	Total Magnesium (Mg)	2005/06/07	1.6		%	25	
	Total Sodium (Na)	2005/06/07	1.3		%	25	
	Total Phosphorus (P)	2005/06/07	NC		%	25	

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 Client Project #: NSD 17650  
 P.O. #: NSD016300  
 Project name:

Quality Assurance Report (Continued)

Maxxam Job Number: DA548825

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
754165 ARS	QC STANDARD	Turbidity	2005/06/07		103	%	80 - 120
	Method Blank	Turbidity	2005/06/07	<0.1		NTU	
	RPD	Turbidity	2005/06/07	NC		%	25
754321 JAR	RPD	Dissolved Hardness (CaCO3)		TBA		%	N/A
754327 JAR	RPD	Ion Balance (% Difference)		TBA		%	N/A
754334 JAR	RPD	Anion Sum		TBA		%	N/A
		Cation Sum		TBA		%	N/A
754341 JAR	RPD	Nitrate (N)		TBA		%	25
754348 JAR	RPD	Langelier Index (@ 20C)		TBA		%	N/A
		Saturation pH (@ 20C)		TBA		%	N/A
754353 JAR	RPD	Bicarb. Alkalinity (calc. as CaCO3)		TBA		%	N/A
		Carb. Alkalinity (calc. as CaCO3)		TBA		%	N/A
754355 JAR	RPD	Langelier Index (@ 4C)		TBA		%	N/A
		Saturation pH (@ 4C)		TBA		%	N/A
754361 JAR	RPD	Calculated TDS		TBA		%	N/A
754701 MCN	QC STANDARD	Orthophosphate (P)	2005/06/08		107	%	80 - 120
	Spiked Blank	Orthophosphate (P)	2005/06/08		!!137	%	80 - 120
	Method Blank	Orthophosphate (P)	2005/06/08	ND, DL=0.01		mg/L	

ND = Not detected  
 N/A = Not Applicable  
 TBA = Result to follow  
 NC = Non-calculable  
 RPD = Relative Percent Difference  
 QC Standard = Quality Control Standard  
 SPIKE = Fortified sample

Bedford: 200 Bluewater Road Bedford NS B4B 1G9 Telephone(902)420-0203 FAX(902)420-8612



Date Generated  
24-Jun-2004  
Spreadsheet File Name  
0410684H.XLS

Client ID: 1  
Project ID: NSD 17650  
PSC Analytical ID: 04-H039664  
Matrix: Water  
Duplicate of:  
Date Sampled: 17-Jun-04  
Client Description:

Parameters	Method	EQL	Units	Reg Limit	
PASC-H-04823	Total Water Digest	-			20040618-B
PASC-H-RCAp:01010	Sodium	ICP-OES	0.1 mg/L	200	3.1
PASC-H-RCAp:01020	Potassium	ICP-OES	0.1 mg/L		0.3
PASC-H-RCAp:01030	Calcium	ICP-OES	0.1 mg/L		1.3
PASC-H-RCAp:01050	Magnesium	ICP-OES	0.1 mg/L		0.4
PASC-H-RCAp:01060	Alkalinity (as CaCO3)	COBAS	5 mg/L		< 5
PASC-H-RCAp:01070	Sulfate	COBAS	2 mg/L	500	2
PASC-H-RCAp:01080	Chloride	COBAS	1 mg/L	250	4
PASC-H-RCAp:01090	Reactive Silica (as SiO2)	COBAS	0.5 mg/L		2.2
PASC-H-RCAp:01100	Ortho Phosphate (as P)	COBAS/911	0.01 mg/L		< 0.01
PASC-H-RCAp:01105	Nitrite	COBAS	0.01 mg/L	3.2	< 0.01
PASC-H-RCAp:01110	Nitrate + Nitrite (as N)	COBAS	0.05 mg/L		0.09
PASC-H-RCAp:01115	Nitrate (as N)	COBAS	0.05 mg/L	10	0.09
PASC-H-RCAp:01120	Ammonia (as N)	Auto Color	0.05 mg/L		< 0.05
PASC-H-RCAp:01170	Color	COBAS	5 TCU	15	21
PASC-H-RCAp:01180	Turbidity	NEPH	0.1 NTU	5	1.5
PASC-H-RCAp:01190	Conductance (RCAp)	Electrode	1 uS/cm		28
PASC-H-RCAp:01200	pH	Electrode	- Units	6.5 to 8.5	6.1
PASC-H-RCAp:01220	Hardness (as CaCO3)	Calculated	0.1 mg/L		4.9
PASC-H-RCAp:01230	Bicarbonate (as CaCO3)	Calculated	1 mg/L		< 5
PASC-H-RCAp:01240	Carbonate (as CaCO3)	Calculated	1 mg/L		< 5
PASC-H-RCAp:01250	TDS (Calculated)	Calculated	1 mg/L	500	17
PASC-H-RCAp:01270	Cation Sum	Calculated	0.1 meq/L		0.24
PASC-H-RCAp:01280	Anion Sum	Calculated	0.1 meq/L		0.26
PASC-H-RCAp:01290	Ion Balance	Calculated	- %		3.19
PASC-H-RCAp:01311	Langlier Index @ 4C	Calculated	-		-4.90
PASC-H-RCAp:01312	Langlier Index @ 20C	Calculated	-		-4.50
PASC-H-RCAp:01313	Saturation pH @ 4C	Calculated	- Units		11
PASC-H-RCAp:01314	Saturation pH @ 20C	Calculated	- Units		10.6
PASC-H-RCAp:02010	Aluminum	ICP-MS	10 ug/L	100	190
PASC-H-RCAp:02020	Antimony	ICP-MS	2 ug/L	6	< 2
PASC-H-RCAp:02030	Arsenic	ICP-MS	2 ug/L	25	< 2
PASC-H-RCAp:02040	Barium	ICP-MS	5 ug/L	1000	9
PASC-H-RCAp:02050	Beryllium	ICP-MS	2 ug/L		< 2
PASC-H-RCAp:02060	Bismuth	ICP-MS	2 ug/L		< 2
PASC-H-RCAp:02070	Boron	ICP-MS	5 ug/L	5000	< 5
PASC-H-RCAp:02080	Cadmium	ICP-MS	0.3 ug/L	5	< 0.3
PASC-H-RCAp:02090	Chromium	ICP-MS	2 ug/L	50	< 2
PASC-H-RCAp:02100	Cobalt	ICP-MS	1 ug/L		< 1
PASC-H-RCAp:02110	Copper	ICP-MS	2 ug/L	1000	< 2
PASC-H-RCAp:02130	Iron	ICP-MS	50 ug/L	300	210
PASC-H-RCAp:02140	Lead	ICP-MS	0.5 ug/L	10	1.4
PASC-H-RCAp:02150	Manganese	ICP-MS	2 ug/L	50	96
PASC-H-RCAp:02160	Molybdenum	ICP-MS	2 ug/L		< 2
PASC-H-RCAp:02170	Nickel	ICP-MS	2 ug/L		< 2
PASC-H-RCAp:02180	Selenium	ICP-MS	2 ug/L	10	< 2
PASC-H-RCAp:02200	Silver	ICP-MS	0.5 ug/L		< 0.5
PASC-H-RCAp:02220	Strontium	ICP-MS	5 ug/L		8
PASC-H-RCAp:02230	Thallium	ICP-MS	0.1 ug/L		< 0.1
PASC-H-RCAp:02240	Tin	ICP-MS	2 ug/L		< 2
PASC-H-RCAp:02250	Titanium	ICP-MS	2 ug/L		2
PASC-H-RCAp:02260	Uranium	ICP-MS	0.1 ug/L	20	< 0.1
PASC-H-RCAp:02270	Vanadium	ICP-MS	2 ug/L		< 2
PASC-H-RCAp:02280	Zinc	ICP-MS	5 ug/L	5000	8
PASC-H-RCAp:04060	Phosphorus	ICP-OES	0.1 mg/L		0.1
PASC-H-RCAp:04070	Total Org. Carbon (by UV)	U.V.-ox	0.5 mg/L		3.8

**Water Quality Data for Lake William 1983**  
**September 28 & 29, 1983\***

Depth (m)	Temp (°C)	Dissolved Oxygen (mg/L)	pH	Hardness	Acidity (CaCO <sub>3</sub> )	Conductivity	Z	Alkalinity	Colour
0	18.0	8.95	-	-	-	-	1 m	4.85	15.0
1	18.0	9.0	6.81	17.13	4.42	100	-	-	-
7	18.0	-	-	-	-	-	28 m	5.82	15.0
9	18.0	-	-	-	-	-	-	-	-
11	18.0	-	-	-	-	-	-	-	-
13	18.0	-	-	-	-	-	-	-	-
14	18.0	-	-	-	-	-	-	-	-
28	18.0	3.25	6.19	16.19	17.82	103	-	-	-

\* NSDOF Nova Scotia Lake Surveys

Date	Depth (ft)	Temp (°C)	Conductivity us/cm	Turbidity	pH	Dissolved Oxygen	Nitrite & Nitrate	Ammonia	Phosphate	Total P	Z	Dissolved Solids	Potassium	Sodium	Calcium	Magnesium	Chlorine	Sulfate
June 11, 1974	0	14.9	81.0	0.6	6.2	10.4	0.07	<0.005	<0.002	0.010	-	-	-	-	-	-	-	-
June 26, 1974	0	17.0	79.0	0.6	7.2	9.4	0.05	0.010	<0.002	0.005	-	-	-	-	-	-	-	-
	27	10.0	-	0.6	6.9	9.0	0.09	0.015	<0.002	<0.010	-	-	-	-	-	-	-	-
July 11, 1974	0	21.0	83.0	0.2	7.3	10.3	0.03	0.010	<0.005	0.008	-	-	-	-	-	-	-	-
	25	14.0	83.0	0.5	7.3	9.6	0.09	0.010	<0.005	0.010	-	-	-	-	-	-	-	-
July 25, 1974	0	20.0	90.0	0.4	7.1	10.8	0.04	0.005	<0.005	<0.005	-	-	-	-	-	-	-	-
	30	14.0	-	0.4	5.6	9.0	0.11	0.046	0.010	0.010	-	-	-	-	-	-	-	-
August 9, 1974	0	23.0	78.0	0.2	5.7	8.7	0.010	0.124	<0.005	<0.005	-	-	-	-	-	-	-	-
	30	12.0	-	0.4	-	7.2	0.10	0.088	<0.005	<0.005	-	-	-	-	-	-	-	-
August 29, 1974	0	21.0	-	<0.1	-	-	0.02	<0.005	<0.005	0.005	0	41.0	0.8	9.2	3.5	0.8	16.0	7.0
	30	12.5	-	1.5	-	-	0.01	<0.005	<0.005	0.030	30	-	1.0	9.2	3.5	0.8	16.0	7.0
September 20, 1974	0	7.0	78.0	<0.5	6.7	11.2	0.04	<0.005	<0.005	-	0	47.0	0.8	10.0	3.5	0.9	18.0	12.0
	27	7.0	-	<0.5	6.4	11.4	0.03	0.020	0.005	-	27	-	0.9	9.0	3.5	0.7	18.0	10.0

**Water Quality Data for Lake William 1971**  
**August 2, 1971\***

x value of 3 stations

Depth (m)	Temperature (°C)	pH	Dissolved Oxygen (ppm)	Carbon Dioxide (ppm)
0.0	25.8	-	-	-
0.8	25.5	-	-	-
1.5	25.5	7.2	9	5
2.3	25.2	-	-	-
3.0	24.8	-	-	-
3.8	24.5	-	-	-
4.6	23.8	-	-	-
5.3	22.5	-	-	-
6.0	21.2	-	-	-
6.8	18.8	-	-	-
7.6	17.5	6.5	9	10
8.4	16.2	-	-	-
9.0	14.8	6.8	8	10
10.0	14.0	-	-	-
10.7	13.0	-	-	-
11.4	12.5	-	-	-
12.0	11.2	-	-	-
13.0	11.0	-	-	-
13.7	10.5	-	-	-
14.5	10.5	-	-	-
15.2	10.0	6.2	8	10
16.0	10.0	-	-	-
16.7	10.0	-	-	-
17.5	10.0	-	-	-

\* NSDOF Internal Data Files

# Water Quality Data for Lake William 1971

August 2, 1971\*

x value of 3 stations

Depth (m)	Temperature (°C)	pH	Dissolved Oxygen (ppm)	Carbon Dioxide (ppm)
0.0	25.8	-	-	-
0.8	25.5	-	-	-
1.5	25.5	7.2	9	5
2.3	25.2	-	-	-
3.0	24.8	-	-	-
3.8	24.5	-	-	-
4.6	23.8	-	-	-
5.3	22.5	-	-	-
6.0	21.2	-	-	-
6.8	18.8	-	-	-
7.6	17.5	6.5	9	10
8.4	16.2	-	-	-
9.0	14.8	6.8	8	10
10.0	14.0	-	-	-
10.7	13.0	-	-	-
11.4	12.5	-	-	-
12.0	11.2	-	-	-
13.0	11.0	-	-	-
13.7	10.5	-	-	-
14.5	10.5	-	-	-
15.2	10.0	6.2	8	10
16.0	10.0	-	-	-
16.7	10.0	-	-	-
17.5	10.0	-	-	-

\* NSDOF Internal Data Files