APPENDIX A

Laboratory Analysis Procedures

August 2009
Report No. 08-1430-0016

Appendix A: ALS Lab Analysis Procedures for Water Samples

Colour in Water

This analysis is carried out using procedures adapted from APHA Method 2120 "Color". Colour (True Colour) is determined by filtering a sample through a 0.45 micron membrane filter followed by analysis of the filtrate using the platinum-cobalt colourimetric method. Apparent Colour is determined without prior sample filtration. Colour is pH dependent. Unless otherwise indicated, reported colour results pertain to the pH of the sample as received, to within +/- 1 pH unit.

Recommended Sample Holding Time: 2 days

Reference: APHA

Conductivity in Water

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

Recommended Sample *Holding Time*: 28 days

Reference: APHA

Solids in Water

This analysis is carried out using procedures adapted from APHA Method 2540 "Solids". Solids are determined gravimetrically. Total dissolved solids (TDS) and total suspended solids (TSS) are determined by filtering a sample through a glass fibre filter, TDS is determined by evaporating the filtrate to dryness at 180 degrees Celsius, TSS is determined by drying the filter at 104 degrees Celsius. Total solids are determined by evaporating a sample to dryness at 104 degrees Celsius. Fixed and volatile solids are determined by igniting a dried sample residue at 550 degrees Celsius.

Recommended Sample *Holding Time*: 7 days

Reference: APHA

pH in Water

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode.

Recommended Sample Holding Time: 2 hours

Reference: APHA

Conventional Parameters in Water

These analyses are carried out in accordance with procedures described in "Methods for Chemical Analysis of Water and Wastes" (USEPA), "Manual for the Chemical Analysis of Water, Wastewaters, Sediments and Biological Tissues" (BCMOE), and/or "Standard Methods for the Examination of Water and Wastewater" (APHA). Further details are available on request.

Turbidity of Water

This analysis is carried out using procedures adapted from APHA Method 2130 "Turbidity". Turbidity is determined by the nephelometric method.

Recommended Sample Holding Time: 2 days

Reference: APHA

Acidity in Water

This analysis is carried out using procedures adapted from APHA Method 2310 "Acidity". Acidity is determined by potentiometric titration to a specified endpoint.

Recommended Sample Holding Time: 14 days

Reference: APHA

Laboratory Location: ALS Environmental, Vancouver

Alkalinity in Water by Colourimetry

This analysis is carried out using procedures adapted from EPA Method 310.2 "Alkalinity". Total Alkalinity is determined using the methyl orange colourimetric method.

Recommended Sample Holding Time: 14 days

Reference: APHA

Dissolved Anions in Water by Ion Chromatography

This analysis is carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Anions are determined by filtering the sample through a 0.45 micron membrane filter and injecting the filtrate onto a Dionex Ion Pac AG17 anion exchange column with a hydroxide effluent stream. Anions routinely determined by this method include: bromide, chloride, fluoride, nitrate, nitrite and sulphate.

Recommended Sample Holding Time: 28 days for bromide, chloride, fluoride, sulphate; and 2 days for nitrate, nitrite

Reference: APHA and EPA

Ammonia in Water by Selective Ion Electrode

This analysis is carried out, on sulphuric acid preserved samples, using procedures adapted from APHA Method 4500-NH3 "Nitrogen (Ammonia)". Ammonia is determined using an ammonia selective electrode.

Recommended Sample Holding Time: 28 days

Reference: APHA

Total Kjeldahl Nitrogen in Water

This analysis is carried out using procedures adapted from APHA Method4500Norg "Nitrogen (Organic)". Total kjeldahl nitrogen is determined by sample digestion at 367 Celsius with analysis using an ammonia selective electrode.

Recommended Sample Holding Time: 28 days

Reference: APHA

Total Kjeldahl Nitrogen and Total Nitrogen in Water

This analysis is carried out using procedures adapted from ASTM Method D 5176-91 "Standard Test Method for Total Chemically Bound Nitrogen in Water by Pyrolysis and Chemiluminescence detection." Total Nitrogen is determined directly by pyrolysis with chemiluminescence detection using automated instrumentation. Total Kjedahl Nitrogen is determined by calculation.

Recommended Sample Holding Time: 28 days

Reference: APHA

Phosphate in Water

This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". All forms of phosphate are determined by the ascorbic acid colourimetric method. Dissolved ortho-phosphate (dissolved reactive phosphorous) is determined by direct measurement. Total phosphate (total phosphorous) is determined after persulphate digestion of a sample. Total dissolved phosphate (total dissolved phosphorous) is determined by filtering a sample through a 0.45 micron membrane filter followed by persulfate digestion of the filtrate.

Recommended Sample Holding Time: 2 days

Reference: EPA

Metals in Water

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 21st Edition 2005 published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotplate or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by atomic absorption/emission spectrophotometry (EPA Method 7000 series), inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B), and/or inductively coupled plasma mass spectrometry (EPA Method 6020).

Recommended Sample Holding Time: 6 months

Reference: EPA

Sulphide in Water

This analysis is carried out using procedures adapted from APHA Method 4500-S2 "Sulphide". Sulphide is determined using the methlyene blue colourimetric method.

Recommended Sample Holding Time: 7 days

Reference: APHA

Chlorophyll and Pheopigments by Fluorometry

This analysis is carried out using procedures adapted from APHA Method 0200 H. "Chlorophyll" and USEPA Method 445. The sample is filtered using either a glass fiber filter or a 0.45 micron Membrane filter. The pigments are extracted from the filter with 90% aqueous acetone. For chlorophyll *a* analysis the extract is read using a fluorometer. For pheopigments the extract is first acidified then read. This method not subject to interferences from chlorophyll *b*.

Recommended Holding Time: Sample: 1-2 days before filtering
Filter: 28 days

Reference: APHA

Carbon in Water

This analysis is carried out using procedures adapted from APHA Method 5310 "Total Organic Carbon (TOC)". All fractions of carbon are determined by the combustion-infrared method. Total carbon includes organic carbon (covalently bonded in organic molecules) and inorganic carbon (carbonate, bicarbonate and dissolved carbon dioxide). Total organic carbon is the calculated difference between the total carbon and the inorganic carbon determination. Dissolved carbon fractions are determined by filtering the sample through a 0.45 micron membrane filter prior to analysis.

Recommended Sample Holding Time: 28 days

APPENDIX B

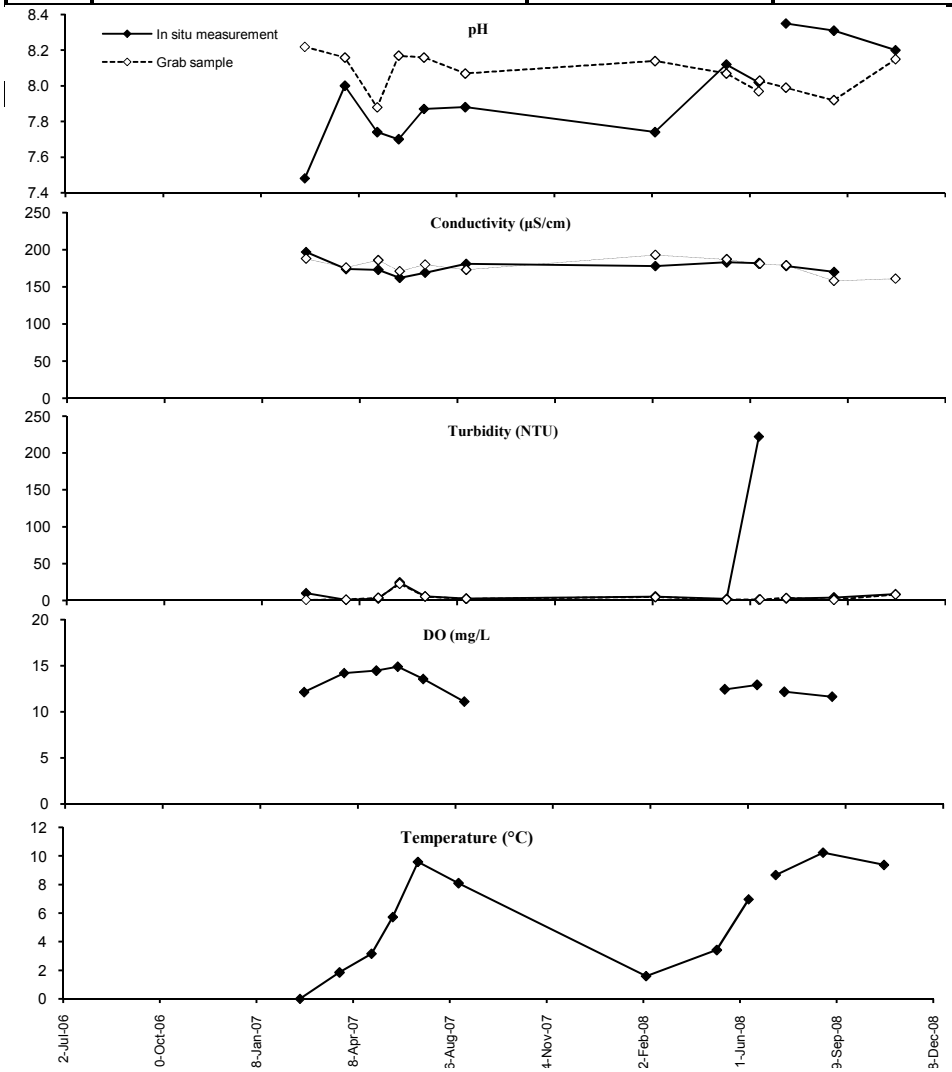
Peace River Water Quality Project - In Situ Sampling – 2006 - 2008

August 2009
Report No. 08-1430-0016

Appendix B1: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Peace 1 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

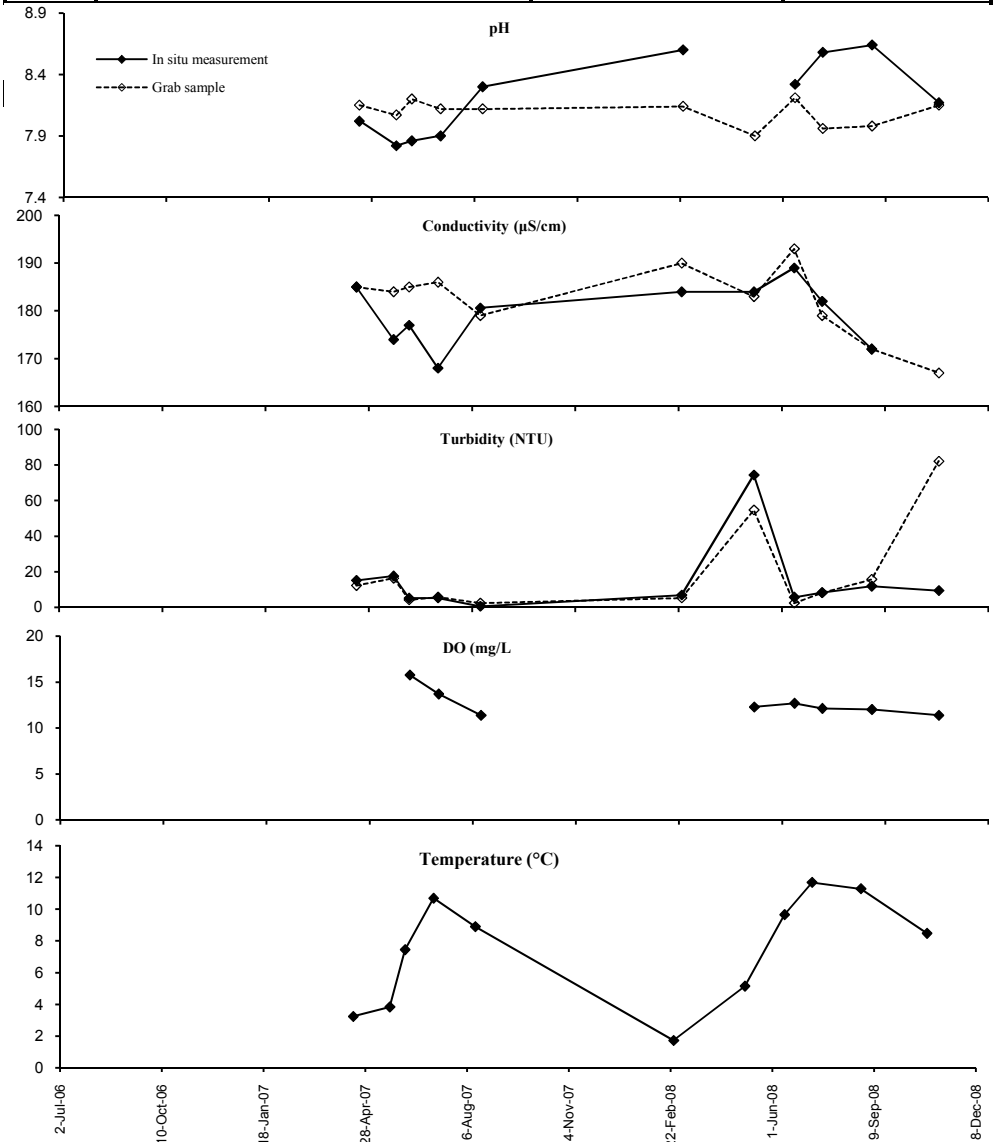
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
3-Nov-06									Site not established due to blizzard conditons
4-Mar-07	7.5	197	10.1	12.2	0.0	8.2	188	1.1	site 1 and 15 combined
14-Apr-07	8.0	174	1.2	14.2	1.9	8.2	176	1.4	DO membrane malfunctioning - required replacement
17-May-07	7.7	173	3.1	14.5	3.2	7.9	186	3.9	
8-Jun-07	7.7	162	24.7	14.9	5.7	8.2	171	22.8	
4-Jul-07	7.9	169	5.9	13.6	9.6	8.2	180	5.6	DO converted from percentage of 102%
15-Aug-07	7.9	181	2.7	11.1	8.1	8.1	173	2.5	
25-Feb-08	7.7	178	5.7		1.6	8.1	193	4.9	Meter malfunction. No accurate DO result
8-May-08	8.1	183	2.4	12.5	3.4	8.1	187	1.7	
10-Jun-08	8.0	182	222.0	12.9	7.0	8.0	181	1.4	New thermo DS 2005781
11-Jun-08						8.0	181	1.6	
8-Jul-08	8.4	178	3.1	12.2	8.7	8.0	179	3.6	
26-Aug-08	8.3	170	4.4	11.7	10.2	7.9	158	1.1	Duplicate sample had pH of 8.07, conductivity of 168 µSc/m, and turbidity of 1.12
28-Oct-08	8.2		8.9		9.4	8.2	161	8.2	Duplicate sample had pH of 8.14, conductivity of 160 µSc/m, and turbidity of 8.34. Meter malfunction. No accurate in situ DO or conductivity result



Appendix B2: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Peace 2 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

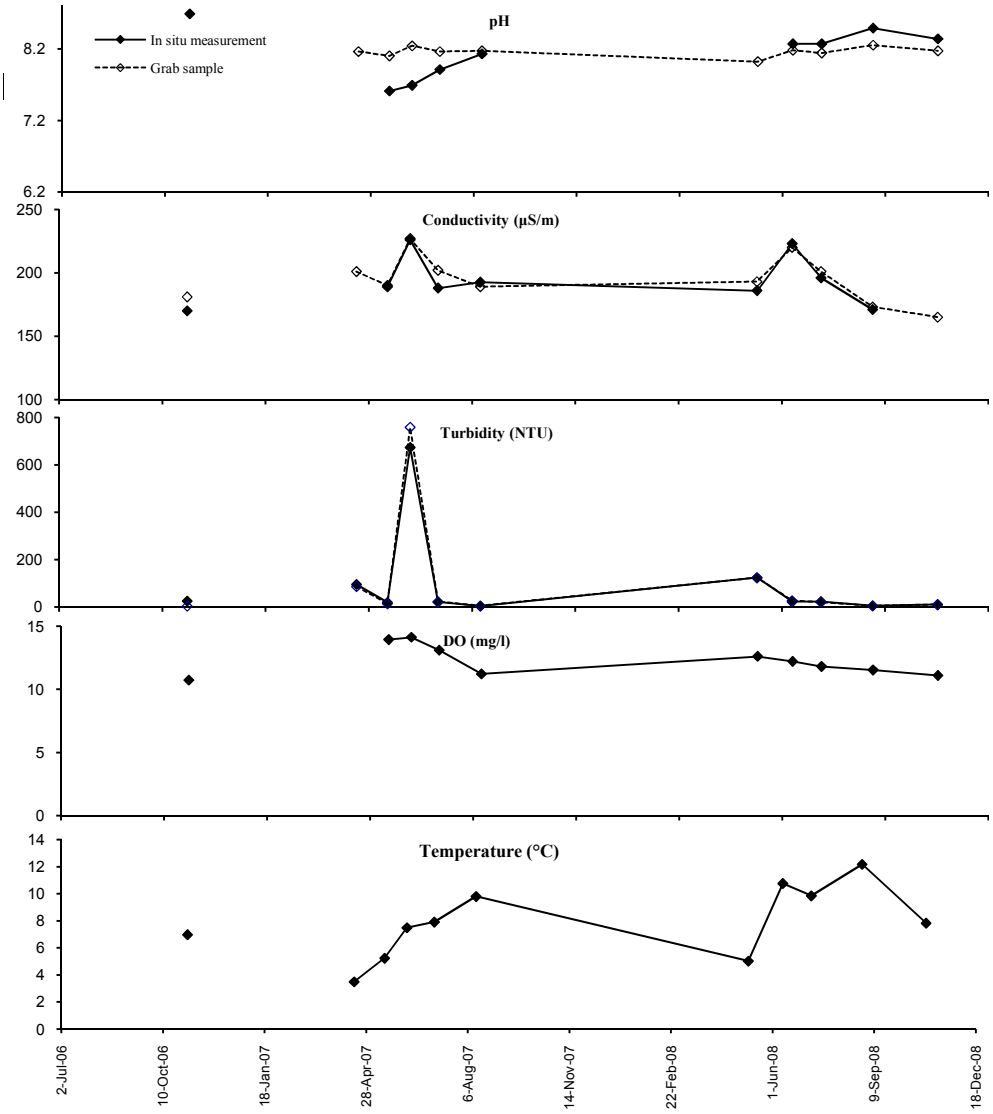
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
3-Nov-06									Site not established yet
5-Mar-07									Bank too steep to negotiate in winter conditions
16-Apr-07	8.0	185	15.2		3.2	8.2	185	12.2	
22-May-07	7.8	174	17.6		3.8	8.1	184	16.3	
6-Jun-07	7.9	177	5.2	15.8	7.5	8.2	185	4.2	
4-Jul-07	7.9	168	5.3	13.7	10.7	8.1	186	5.8	
14-Aug-07	8.3	181	0.6	11.4	8.9	8.1	179	2.3	DO converted from percentage of 107.3%
25-Feb-08	8.6	184	6.9		1.7	8.1	190	5.3	In situ DO result suspect - not used
5-May-08		184	74.4	12.3	5.2	7.9	183	54.7	
13-Jun-08	8.3	189	5.7	12.7	9.7	8.2	193	2.4	
10-Jul-08	8.6	182	8.4	12.1	11.7	8.0	179	8.1	
27-Aug-08	8.6	172	11.9	12.0	11.3	8.0	172	15.7	
31-Oct-08	8.2		9.4	11.4	8.5	8.2	167	82.1	Meter malfunction. No accurate in situconductivity result



Appendix B3: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Peace 3 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

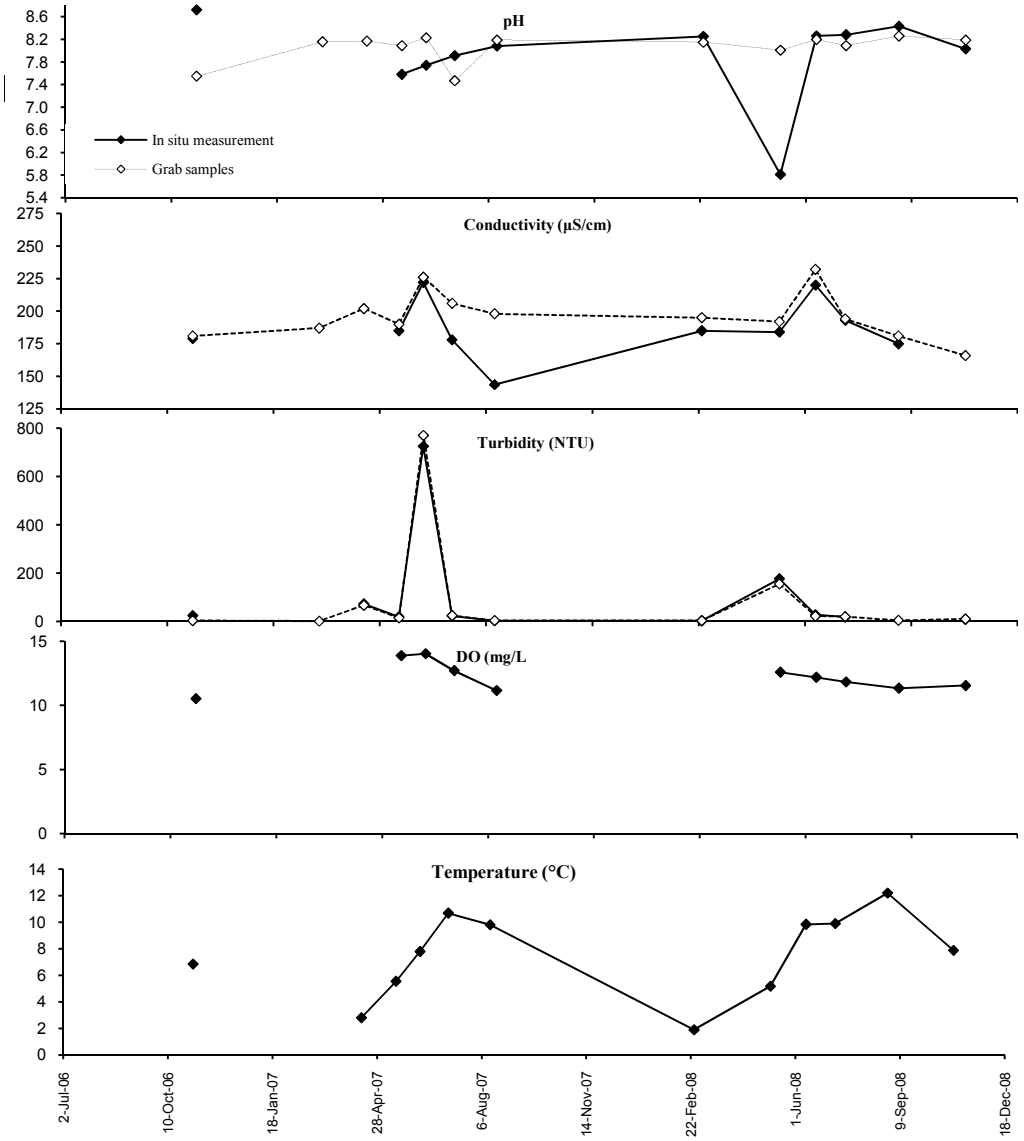
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
3-Nov-06	8.7	170	24.6	10.7	7.0	8.0	181	3.1	
3-Mar-07									Site inaccessible due to ice cover
16-Apr-07			95.0		3.5	8.2	201	86.2	YSI probe failed - dead batteries
16-May-07	7.6	189	18.6	13.9	5.2	8.1	190	13.7	
7-Jun-07	7.7	226	674.0	14.1	7.5	8.2	227	759.0	
4-Jul-07	7.9	188	20.5	13.1	7.9	8.2	202	21.4	
14-Aug-07	8.1	193	2.9	11.2	9.8	8.2	189	4.3	DO converted from percentage of 107.8%
8-May-08		186	123.0	12.6	5.0	8.0	193	123.0	
11-Jun-08	8.3	223	21.6	12.2	10.8	8.2	220	25.9	
9-Jul-08	8.3	196	22.4	11.8	9.9	8.1	201	19.6	Lots of water in river. Duplicate Lab sample had pH of 8.01, conductivity of 188 µSc/m, and turbidity of 17.0
28-Aug-08	8.5	171	4.2	11.5	12.2	8.3	173	4.4	
30-Oct-08	8.3		9.4	11.1	7.8	8.2	165	9.5	Meter malfunction. No accurate in situ conductivity result.



Appendix B4: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Peace 4 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

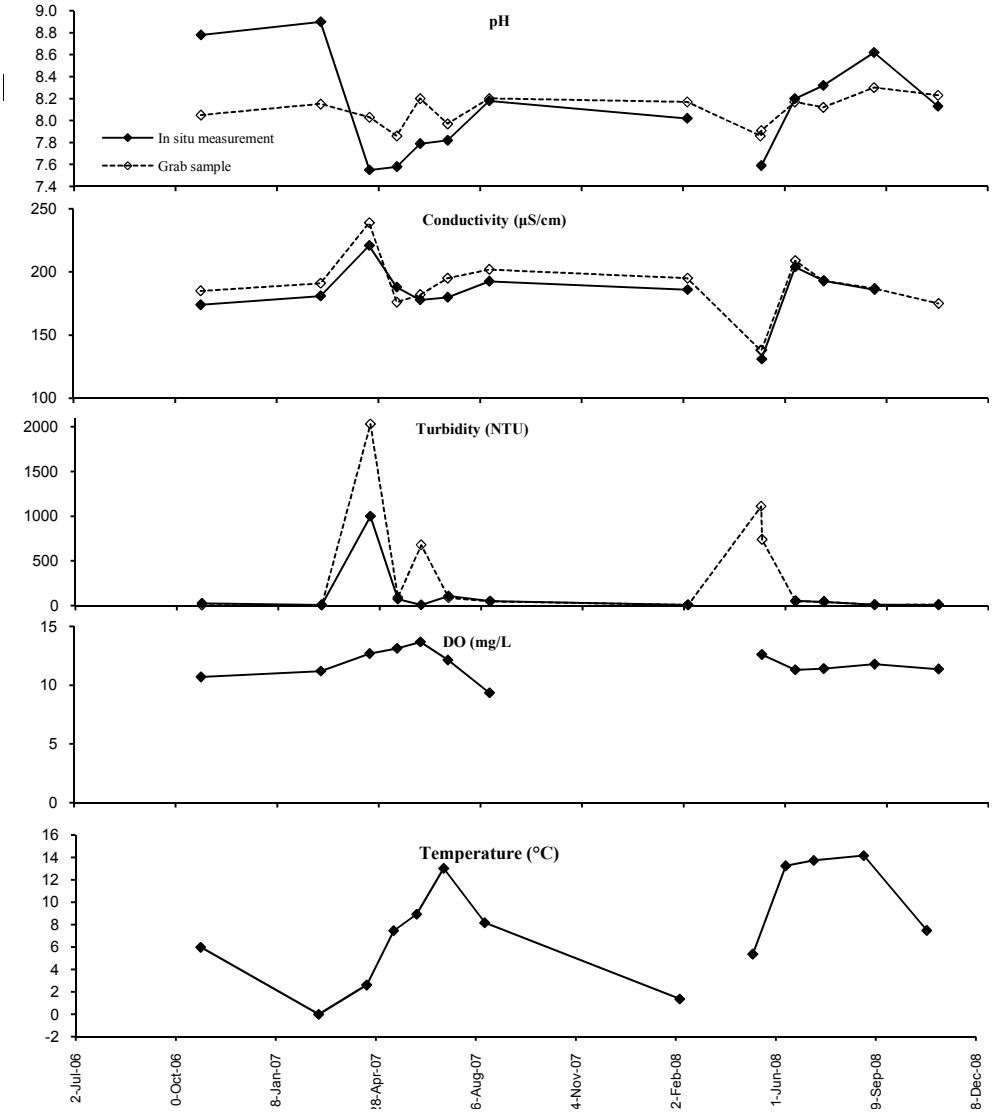
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
3-Nov-06	8.7	179	24.5	10.5	6.8	7.6	181	3.6	
2-Mar-07						8.2	187	1.1	
13-Apr-07			73.0		2.8	8.2	202	67.2	YSI probe failed - dead batteries
16-May-07	7.6	185	19.5	13.9	5.5	8.1	190	14.6	
8-Jun-07	7.7	222	725.0	14.0	7.8	8.2	226	770.0	
5-Jul-07	7.9	178	23.2	12.7	10.7	7.5	206	24.2	
14-Aug-07	8.1	144	2.9	11.2	9.8	8.2	198	3.9	DO converted from percentage of 107.4%
25-Feb-08	8.3	185	3.2		1.9	8.2	195	3.4	Meter malfunction. No accurate DO result
8-May-08	5.8	184	177.0	12.6	5.2	8.0	192	155.0	
11-Jun-08	8.3	220	27.6	12.2	9.8	8.2	232	22.1	
9-Jul-08	8.3	193	18.6	11.8	9.9	8.1	194	19.9	
28-Aug-08	8.4	175		11.4	12.2	8.3	181	4.3	
30-Oct-08	8.0		9.2	11.6	7.9	8.2	166	9.9	Meter malfunction. No accurate in-situ conductivity result.



Appendix B5: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Peace 5 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

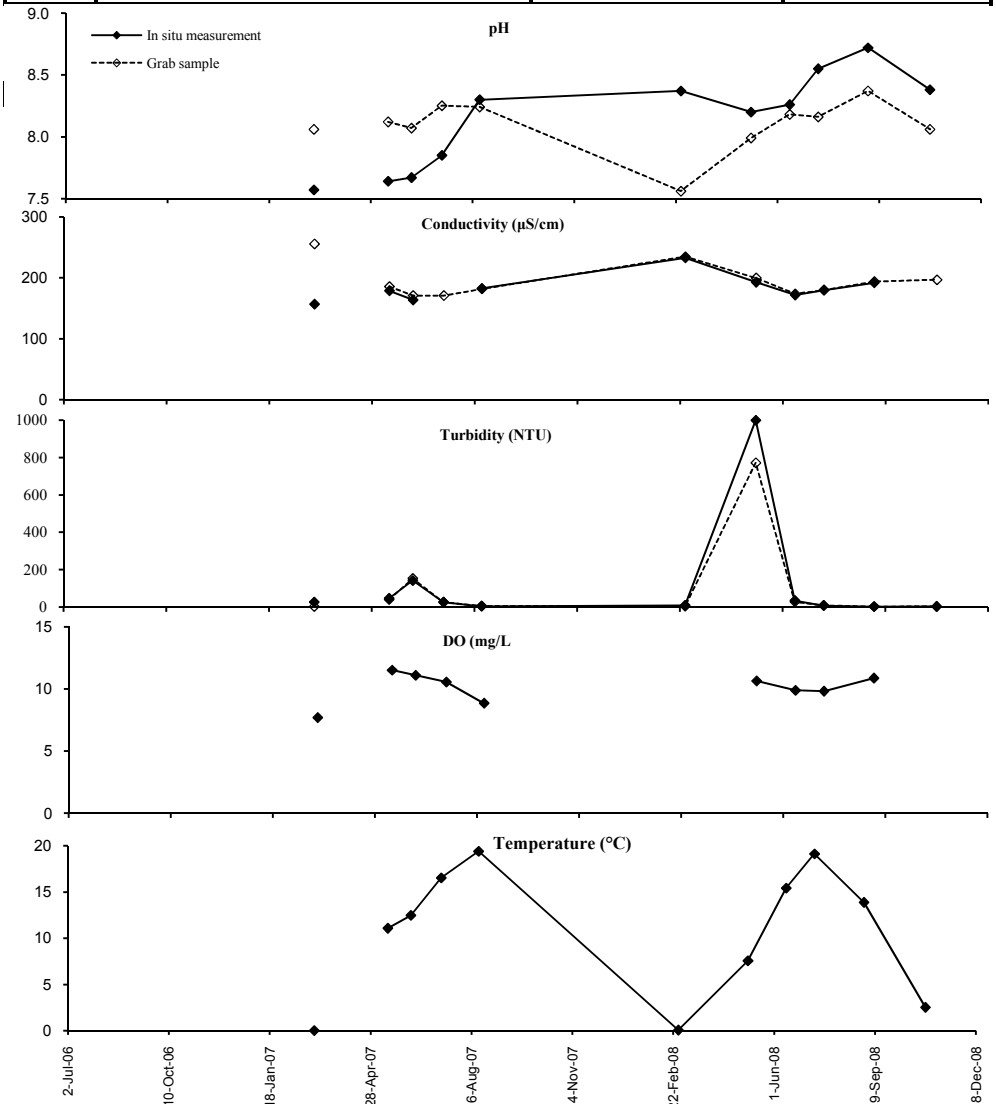
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06	8.8	174	25.0	10.7	6.0	8.1	185	4.0	
2-Mar-07	8.9	181	8.1	11.2	0.0	8.2	191	3.0	
19-Apr-07	7.6	221	1000	12.7	2.6	8.0	239	2030.0	In Situ-turbidity off scale of meter, therefor > 1000.
16-May-07	7.6	188	73.0	13.1	7.5	7.9	176	91.0	
8-Jun-07	7.8	178	7.1	13.7	8.9	8.2	182	678.0	
5-Jul-07	7.8	180	106.0	12.1	13.0	8.0	195	85.1	
15-Aug-07	8.2	193	50.1	9.3	8.2	8.2	202	46.2	DO converted from percentage of 92.5%
26-Feb-08	8.0	186	7.6		1.4	8.2	195	7.0	Meter malfunction. No accurate DO result
8-May-08						7.9	138	1110.0	
9-May-08	7.6	131		12.6	5.4	7.9	138	738.0	
11-Jun-08	8.2	204	53.2	11.3	13.3	8.2	209	47.1	Deployed new TDL 1302047
9-Jul-08	8.3	193	40.9	11.4	13.7	8.1	193	43.5	
28-Aug-08	8.6	186	10.6	11.8	14.2	8.3	187	7.2	
30-Oct-08	8.1		8.6	11.4	7.5	8.2	175	9.3	Meter malfunction. No accurate in situ conductivity result.



Appendix B6: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Moberly 6 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

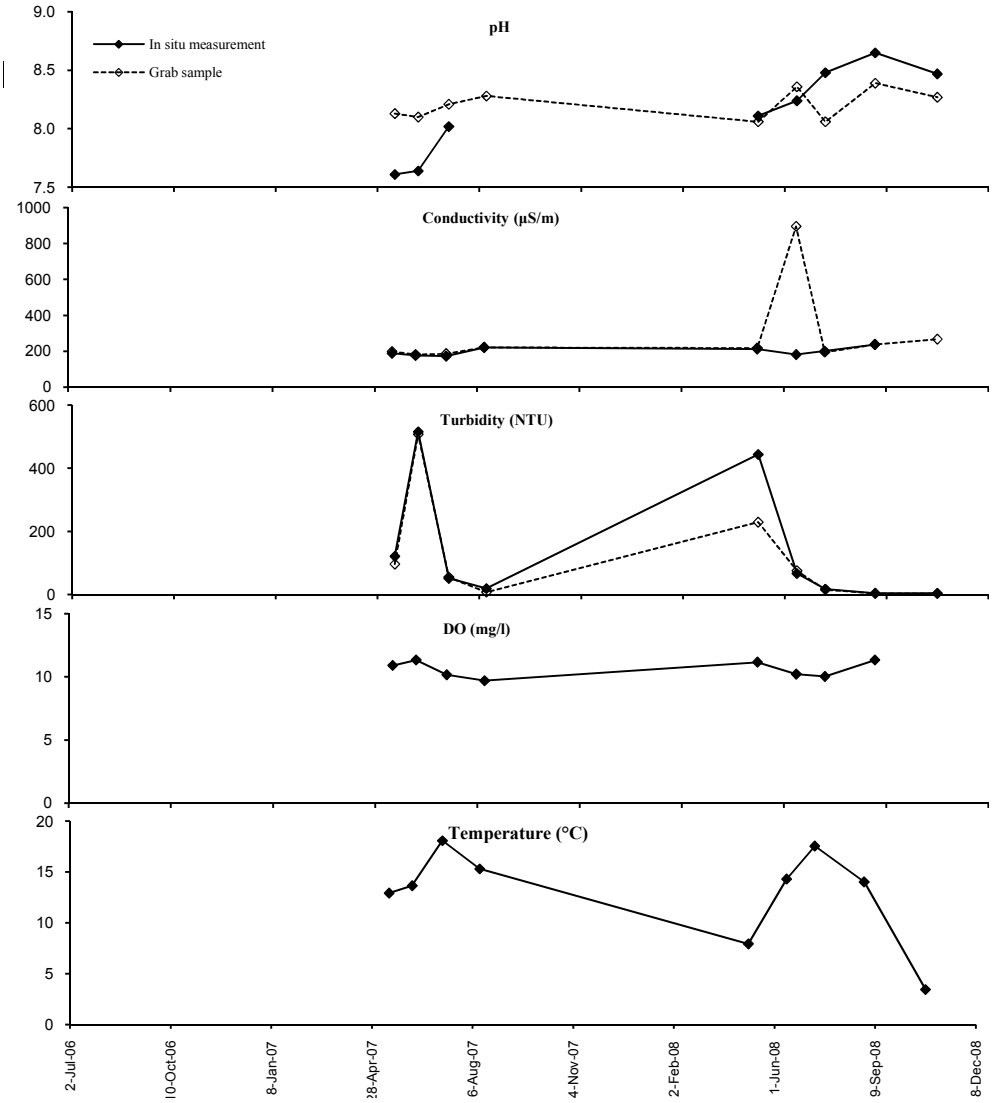
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established yet
3-Mar-07	7.6	157	27.0	7.7	0.0	8.1	256	2.4	Access thru 50 cm ice
19-Apr-07									Site not sampled - no als record
15-May-07	7.6	179	47.1	11.5	11.1	8.1	186	39.9	
7-Jun-07	7.7	164	142.0	11.1	12.5	8.1	171	153.0	
7-Jul-07	7.9		27.1	10.6	16.5	8.3	171	25.2	
13-Aug-07	8.3	183	4.1	8.9	19.4	8.2	182	5.0	DO converted from reading percentage 103%
27-Feb-08	8.4	233	9.4		0.1	7.6	235	3.9	Meter malfunction. No accurate DO result. Duplicate had pH of 7.87, conductivity of 238 µSc/m, and turbidity of 3.41
6-May-08	8.2	193	1000.0	10.7	7.6	8.0	200	772.0	Turbidity recorded as greater than 1000
13-Jun-08	8.3	172	35.4	9.9	15.4	8.2	174	27.4	
11-Jul-08	8.6	180	7.6	9.8	19.1	8.2	180	8.3	
29-Aug-08	8.7	192	2.4	10.9	13.9	8.4	194	1.5	
29-Oct-08	8.4		3.4		2.5	8.1	197	2.9	Meter malfunction. No accurate in situ DO result or conductivity result.



Appendix B7: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Moberly 7 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

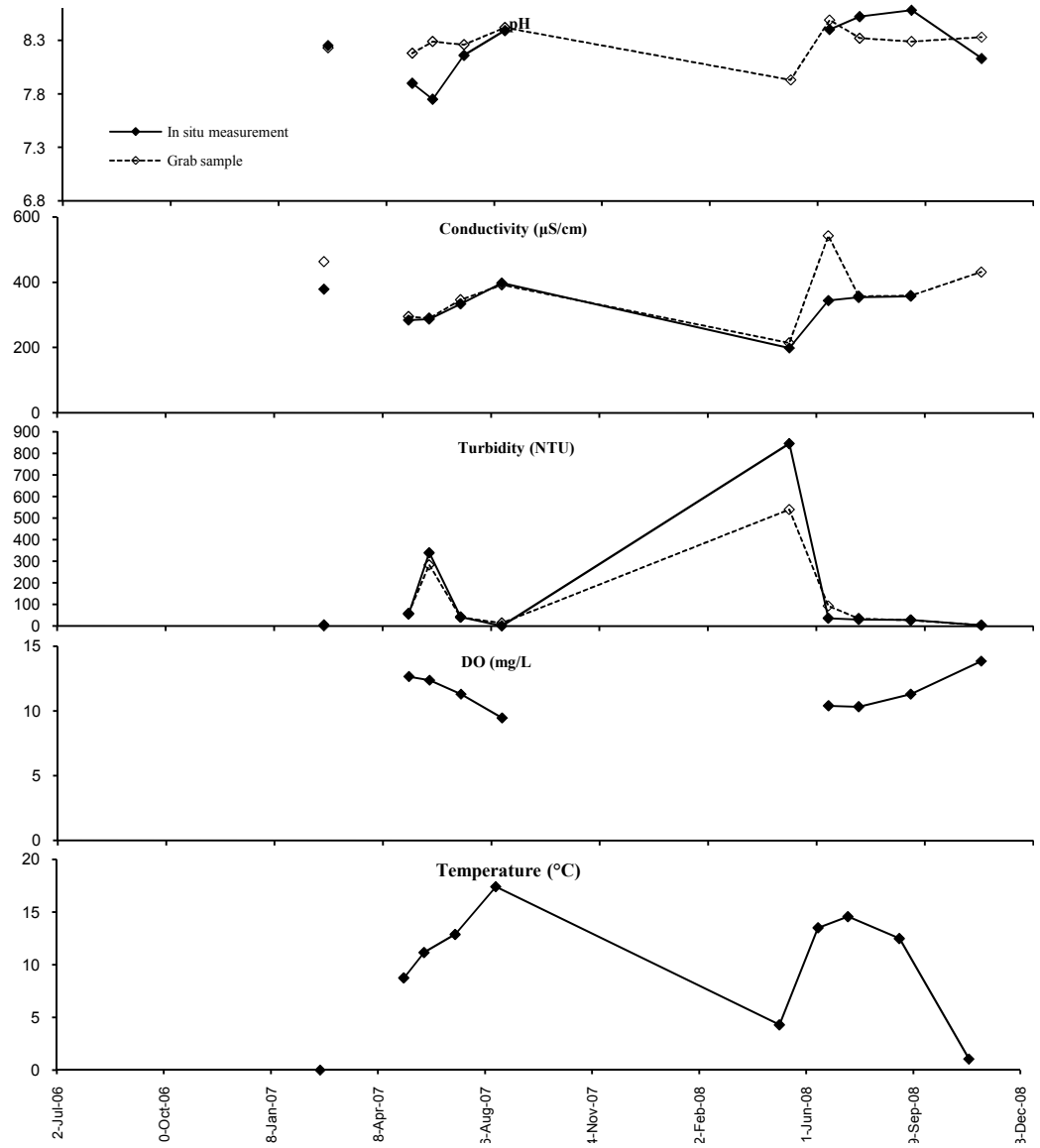
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established due to blizzard conditions
3-Mar-07									Could not access area due to winter conditions
19-Apr-07									Site not sampled - no als record
15-May-07	7.6	188	121.0	10.9	12.9	8.1	198	95.9	Site established after extensive road search
7-Jun-07	7.6	176	516.0	11.3	13.7	8.1	182	508.0	
7-Jul-07	8.0	172	51.0	10.2	18.1	8.2	186	54.5	
13-Aug-07		220	18.8	9.7	15.3	8.3	222	6.9	DO converted from percentage of 103.2%
6-May-08	8.1	212	444.0	11.2	7.9	8.1	218	229.0	
13-Jun-08	8.2	181	66.5	10.2	14.3	8.4	896	75.3	Lab conductivity result suspect
11-Jul-08	8.5	200	16.9	10.0	17.6	8.1	195	15.5	
29-Aug-08	8.7	237	3.6	11.3	14.0	8.4	238	3.3	Water level is very low
29-Oct-08	8.5		3.5		3.4	8.3	267	2.9	Meter malfunction. No accurate in situ DO result or conductivity result.



Appendix B8: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Halfway 8 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

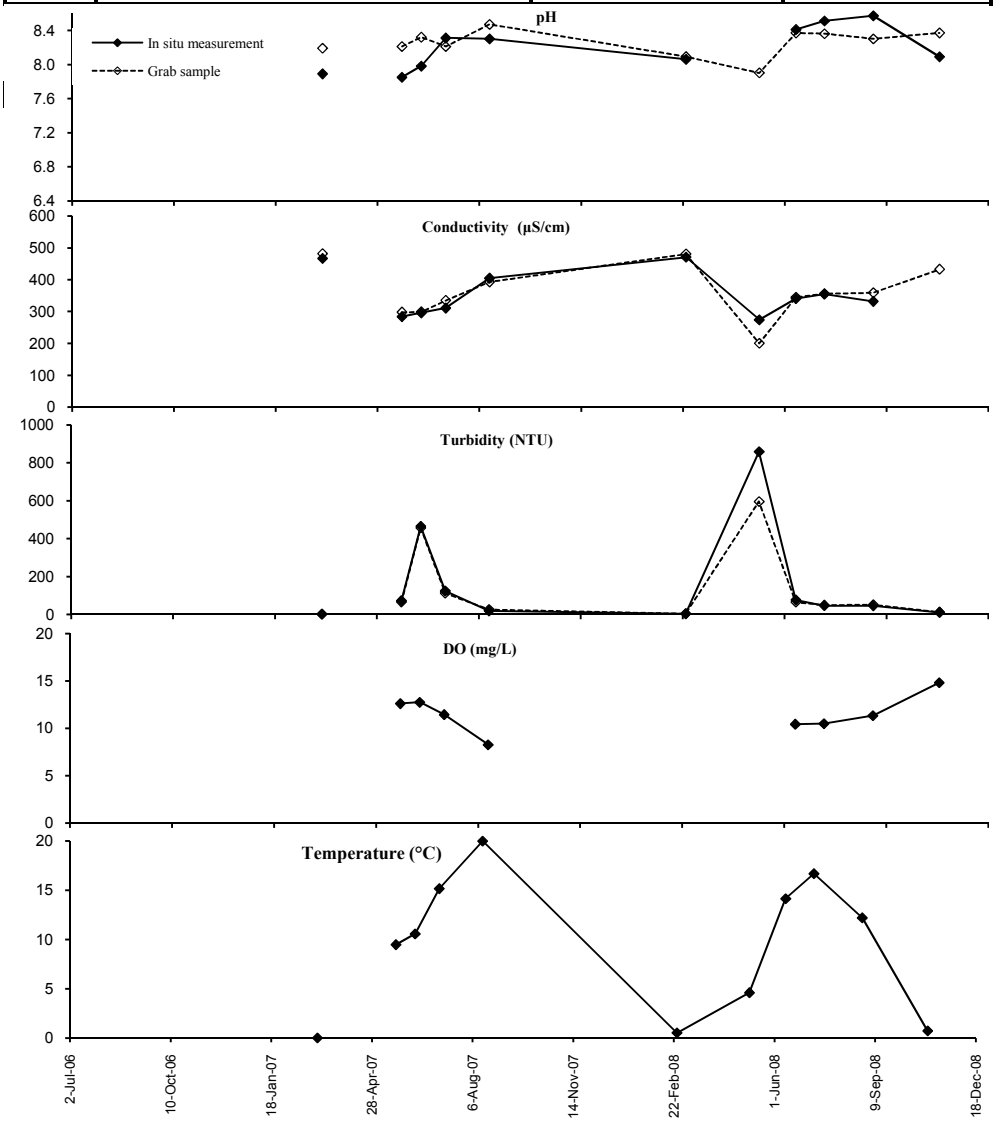
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established yet
5-Mar-07	8.3	379	6.2		0.0	8.2	463.0	0.6	Winter sampling site at Upper bridge crossing thru 50 cm of ice
13-Apr-07									Breakup in progress no water sample
22-May-07	7.9	284	56.0	12.7	8.7	8.2	295.0	59.2	
10-Jun-07	7.8	287	340.0	12.4	11.2	8.3	290.0	284.0	
9-Jul-07	8.2	334	42.8	11.3	12.9	8.3	346.0	40.3	
16-Aug-07	8.4	398	1.3	9.5	17.4	8.4	392.0	14.2	
7-May-08		198	845.0		4.3	7.9	214.0	540.0	New TDL location
12-Jun-08	8.4	344	36.9	10.4	13.5	8.5	542.0	93.1	
10-Jul-08	8.5	354	31.1	10.3	14.6	8.3	357.0	35.2	
27-Aug-08	8.6	357	29.0	11.3	12.5	8.3	359.0	28.0	
31-Oct-08	8.1		4.8	13.8	1.1	8.3	431.0	4.0	Meter malfunction. No accurate in situ conductivity result.



Appendix B9: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Halfway 9 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

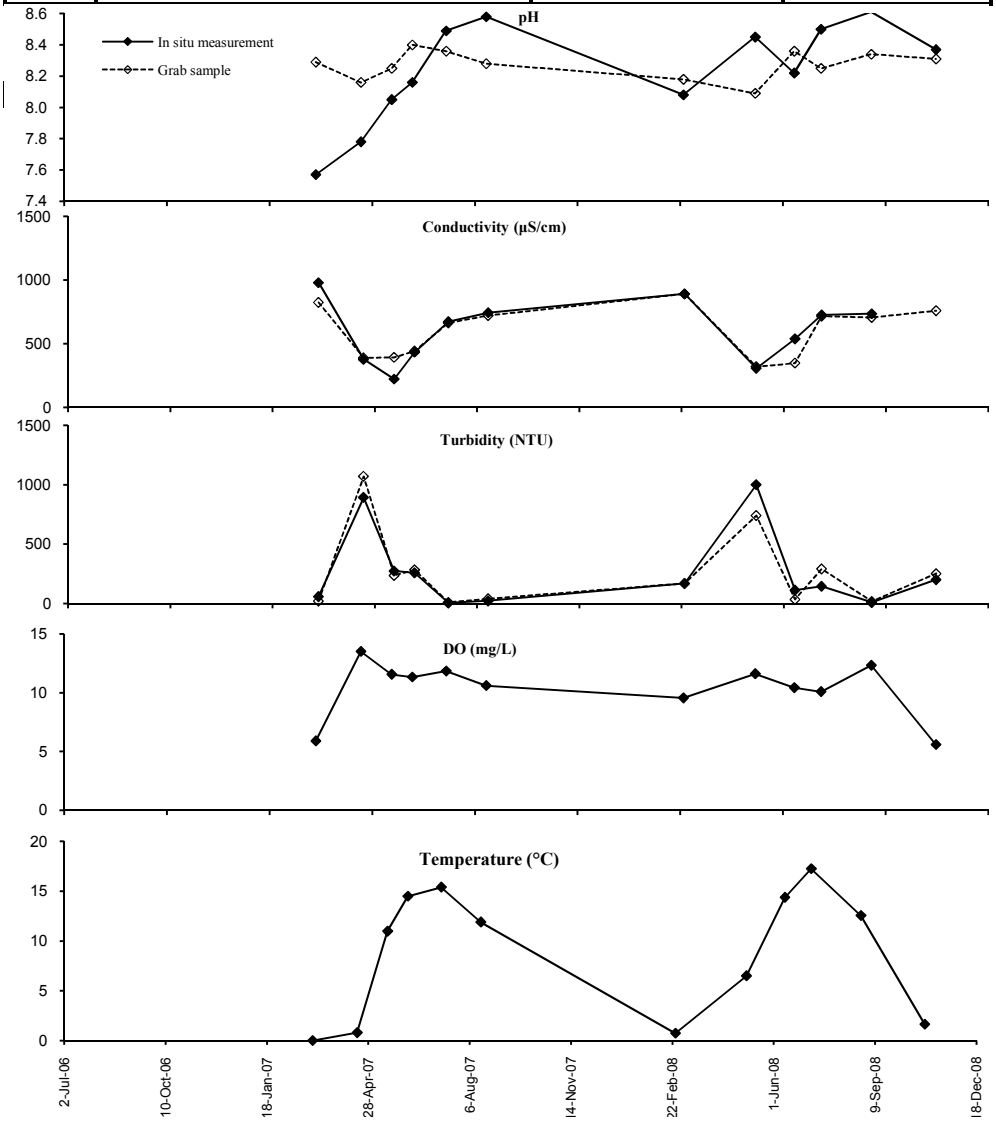
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µSc/m)	Turbidity (NTU)	
4-Nov-06									Site not established yet
5-Mar-07	7.9	467	19.1-20.5		0.0	8.2	482	2.1	
13-Apr-07									Breakup in progress no water sample
22-May-07	7.9	284	72.0	12.6	9.5	8.2	298	66.1	
10-Jun-07	8.0	296	465.0	12.8	10.6	8.3	299	457.0	
4-Jul-07	8.3	311	123.0	11.5	15.2	8.2	335	112.0	
16-Aug-07	8.3	405	18.2	8.3	20.0	8.5	393	25.6	
25-Feb-08	8.1	471	3.5		0.5	8.1	481	3.5	Meter malfunction. No accurate DO result
7-May-08		274	859.0		4.6	7.9	200	596.0	Missing thermo TDL off, replaced D/S TDL buried in ice and damaged
12-Jun-08	8.4	341	75.8	10.4	14.1	8.4	345	65.0	
10-Jul-08	8.5	355	45.8	10.5	16.7	8.4	356	48.7	
27-Aug-08	8.6	332	44.9	11.3	12.2	8.3	359	51.5	
31-Oct-08	8.1		10.8	14.8	0.7	8.4	433	11.2	Meter malfunction. No accurate conductivity result.



Appendix B10: Peace River Water Quality Project - In Situ Sampling - 2006 to 2008

Site Number: Lynx 10 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

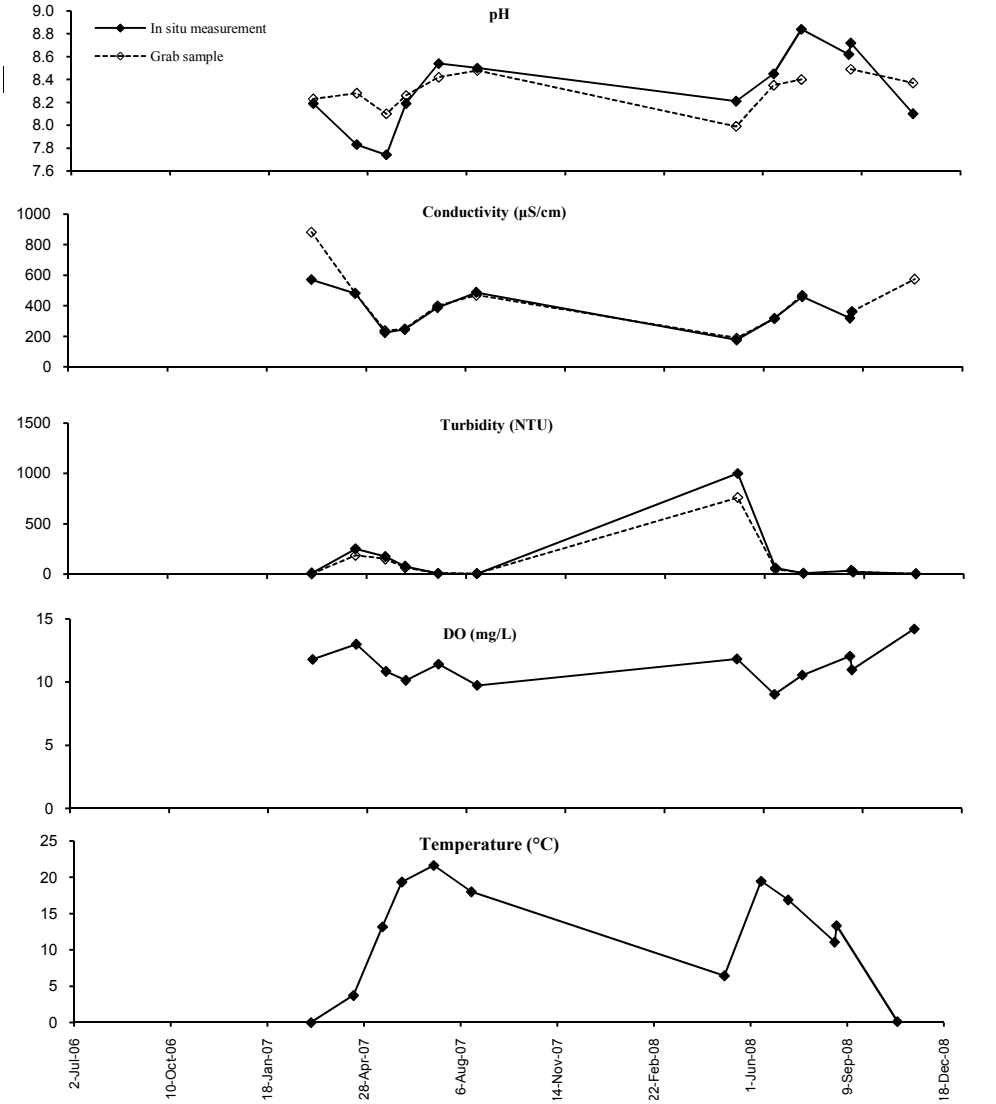
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established due to blizzard conditions
4-Mar-07	7.6	980	59.0	5.9	0.0	8.3	824	21.0	crossing thru ice, conductivity units changed form 9.8 to 98
17-Apr-07	7.8	376	893.0	13.5	0.8	8.2	388	1070.0	Permanent site established at Rea Simpson
17-May-07	8.1	221	274.0	11.6	11.0	8.3	392	236.0	
6-Jun-07	8.2	433	259.0	11.3	14.5	8.4	441	283.0	
9-Jul-07	8.5	673	4.7	11.9	15.4	8.4	663	9.2	
17-Aug-07	8.6	744	22.4	10.6	11.9	8.3	721	40.2	
25-Feb-08	8.1	892	169.0	9.6	0.7	8.2	891	169.0	Lynx Ck ice free
5-May-08	8.5	306	1000.0	11.6	6.5	8.1	319	740.0	In situ turbidity recorded as greater than 1000
12-Jun-08	8.2	538	113.0	10.4	14.4	8.4	347	34.2	
8-Jul-08	8.5	726	146.0	10.1	17.3	8.3	715	291.0	
26-Aug-08	8.6	735	9.1	12.3	12.6	8.3	706	17.2	
28-Oct-08	8.4		201.0	5.6	1.6	8.3	759	251.0	



Appendix B11: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Farrell 11 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established due to blizzard conditions
4-Mar-07	8.2	570	12.5	11.8	0.0	8.2	881	1.8	Winter sampling site at bridge crossing thru ice
17-Apr-07	7.8	480	252.0	13.0	3.7	8.3	482	186.0	Permanent site established via access through Ardell Ranch
17-May-07	7.7	224	176.0	10.9	13.2	8.1	237	150.0	
6-Jun-07	8.2	244	79.0	10.1	19.4	8.3	248	63.8	
9-Jul-07	8.5	387	8.2	11.4	21.6	8.4	399	8.5	
17-Aug-07	8.5	487	4.7	9.7	18.0	8.5	468	6.1	
5-May-08	8.2	175	1000.0	11.8	6.4	8.0	188	760.0	In-situ turbidity recorded as greater than 1000
12-Jun-08	8.5	317	62.3	9.0	19.5	8.4	316	49.4	
10-Jul-08	8.8	458	9.8	10.6	16.9	8.4	468	9.3	
27-Aug-08	8.6	318	37.8	12.1	11.1				
29-Aug-08	8.7	359	24.2	11.0	13.3	8.5	362	22.2	
31-Oct-08	8.1		4.9	14.2	0.1	8.4	574	3.4	

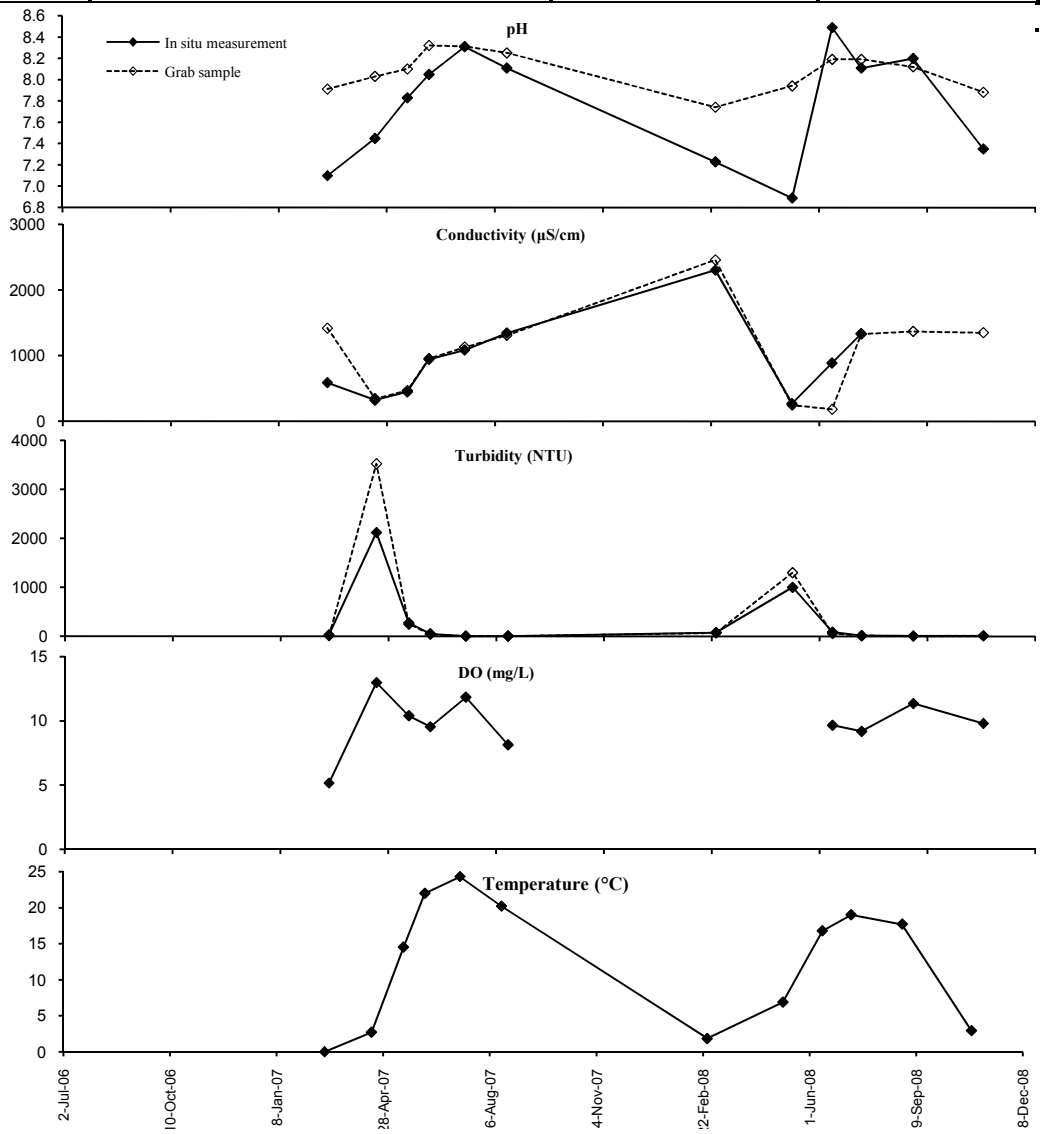


Appendix B12: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Cache 12 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

12

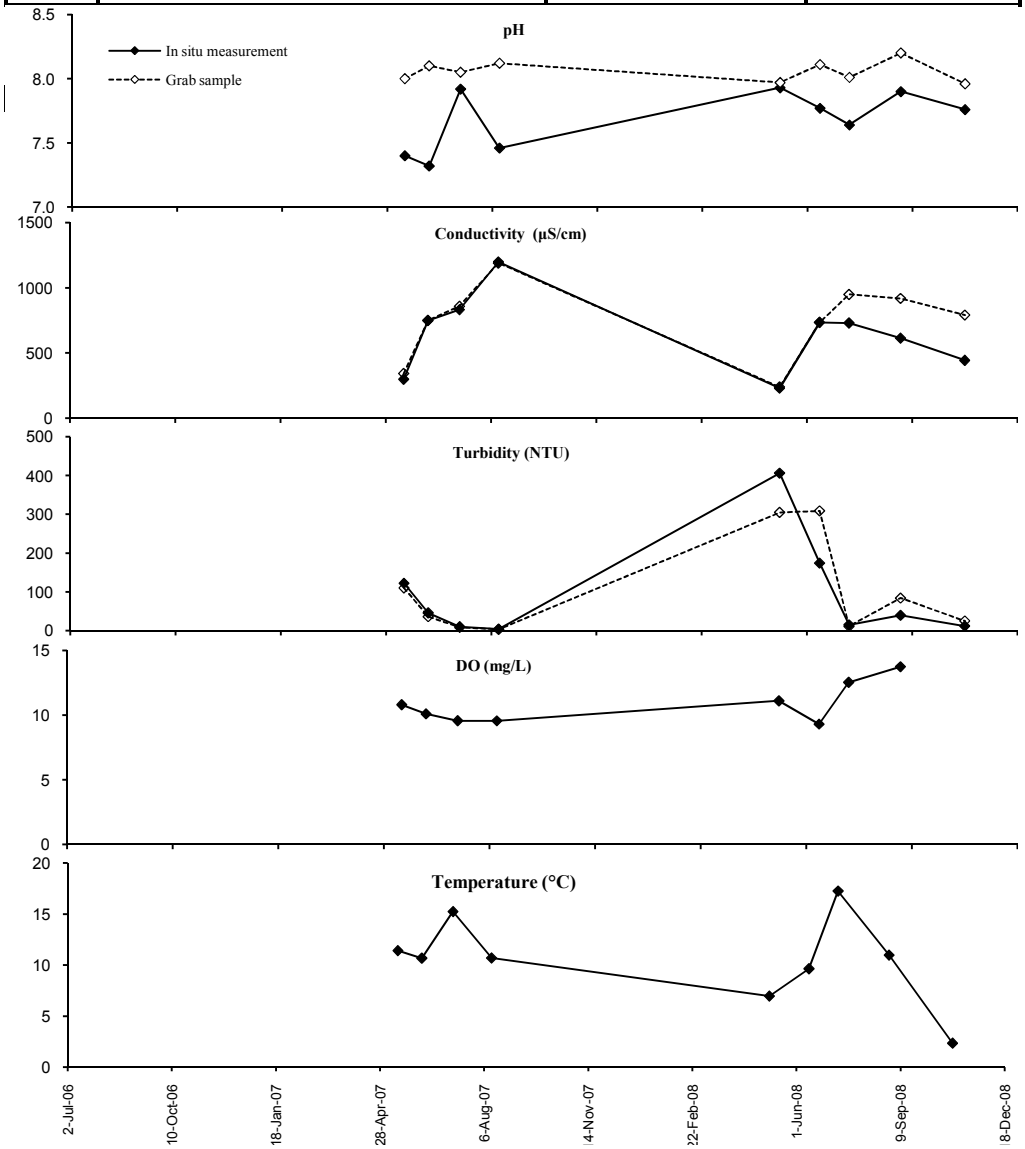
Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established due to blizzard conditions
4-Mar-07	7.1	590	36.0	5.1	0.0	7.9	1420	14.4	At bridge through 65 cm of ice
17-Apr-07	7.5	323	2120.0	13.0	2.7	8.0	345	3520.0	
17-May-07	7.8	450	278.0	10.4	14.5	8.1	470	250.0	Hwy bridge crossing made permanent site
6-Jun-07	8.1	946	51.0	9.5	22.0	8.3	955	44.7	
9-Jul-07	8.3	1086	3.4	11.8	24.3	8.3	1130	4.9	
17-Aug-07	8.1	1345	5.2	8.1	20.2	8.3	1310	6.3	
26-Feb-08	7.2	2304	78.3		1.9	7.7	2460	70.4	Disturbed bridge pulled. Meter malfunction. No accurate DO result. Cond. Result is suspect
7-May-08	6.9	271	1000.0		6.9	7.9	247	1300.0	In-situ turbidity recorded as greater than 1000.
13-Jun-08	8.5	889	85.1	9.7	16.8	8.2	183	57.3	
10-Jul-08	8.1	1336	13.2	9.2	19.0	8.2	1330	15.2	
27-Aug-08	8.2		8.7	11.3	17.7	8.1	1370	7.5	No flow in channel
31-Oct-08	7.4		10.0	9.8	2.9	7.9	1350	11.8	



Appendix B13: **Peace River Water Quality Project - In Situ Sampling - 2006 to 2008**

Site Number: Boudreau 13 **Meter:** Horriba (Nov 06 - March) YSI April 2007 onwards

Date	In Situ					Grab Samples			Comments
	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	pH	Conductivity (µS/cm)	Turbidity (NTU)	
4-Nov-06									Site not established due to blizzard conditions
4-Mar-07									Site not accessible due winter conditions
17-Apr-07									Site not accessible due to break up
15-May-07	7.4	299.0	122.0	10.8	11.4	8.0	342	110.0	
7-Jun-07	7.3	749.0	45.5	10.1	10.7	8.1	750	36.1	
7-Jul-07	7.9	832.0	10.0	9.6	15.2	8.1	858	8.0	
13-Aug-07	7.5	1198.0	3.9	9.6	10.7	8.1	1190	3.1	DO converted from reading of 81%
6-May-08	7.9	231.0	406.0	11.1	7.0	8.0	239	305.0	High flow for this stream
13-Jun-08	7.8	734.0	174.0	9.3	9.6	8.1	735	309.0	
11-Jul-08	7.6	730.0	14.9	12.5	17.3	8.0	949	11.2	
29-Aug-08	7.9	614.0	39.4	13.7	11.0	8.2	919	84.1	Minimal flow
29-Oct-08	7.8	444.0	11.5		2.4	8.0	791	24.8	No flow. Meter malfunction. No accurate DO result



APPENDIX C

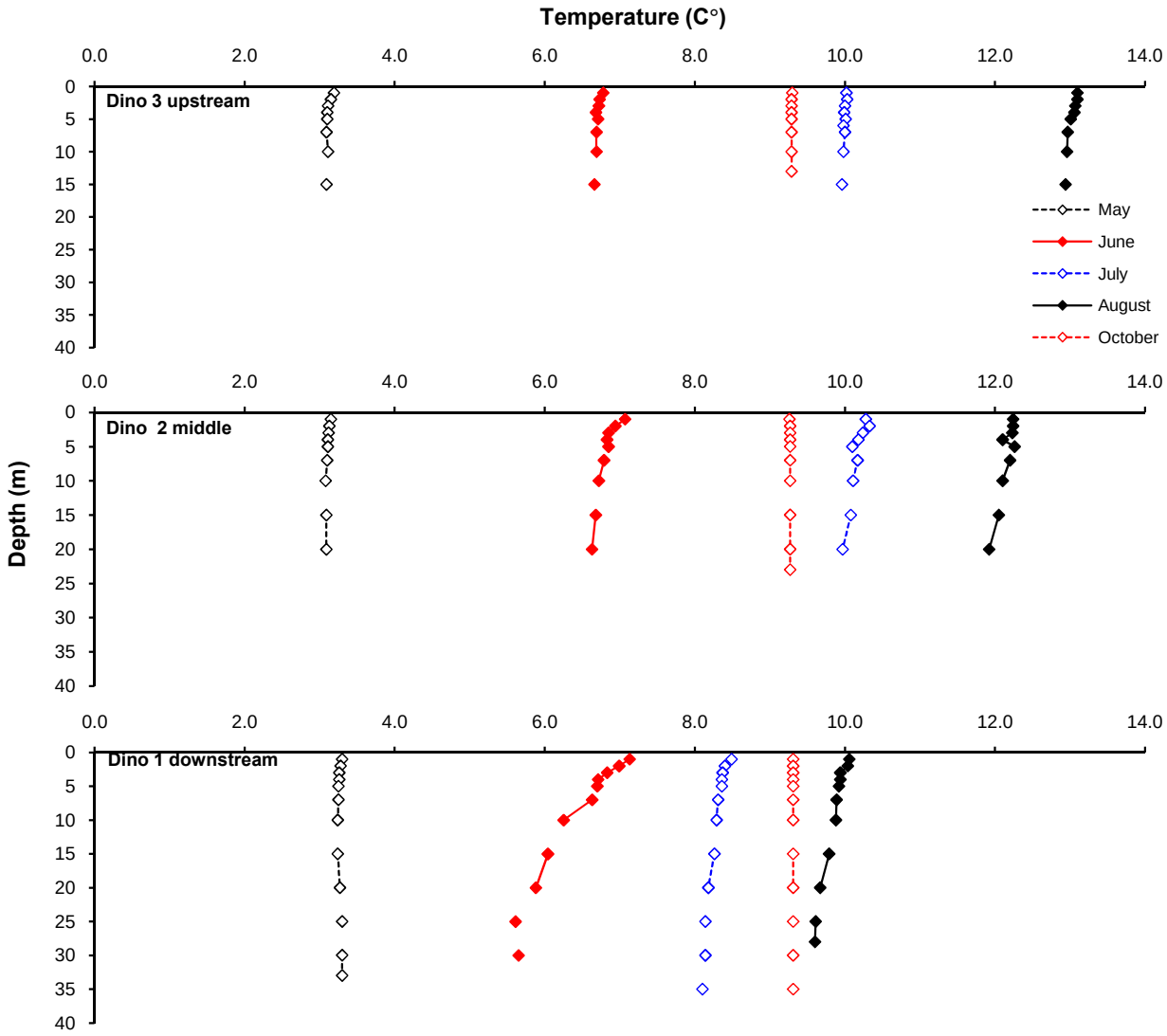
Dinosaur Lake - In Situ Water Quality Profiles in 2008

August 2009
Report No. 08-1430-0016

Golder Associates

Appendix C - 1: Water temperature profiles for Dinosaur lake sampling stations.

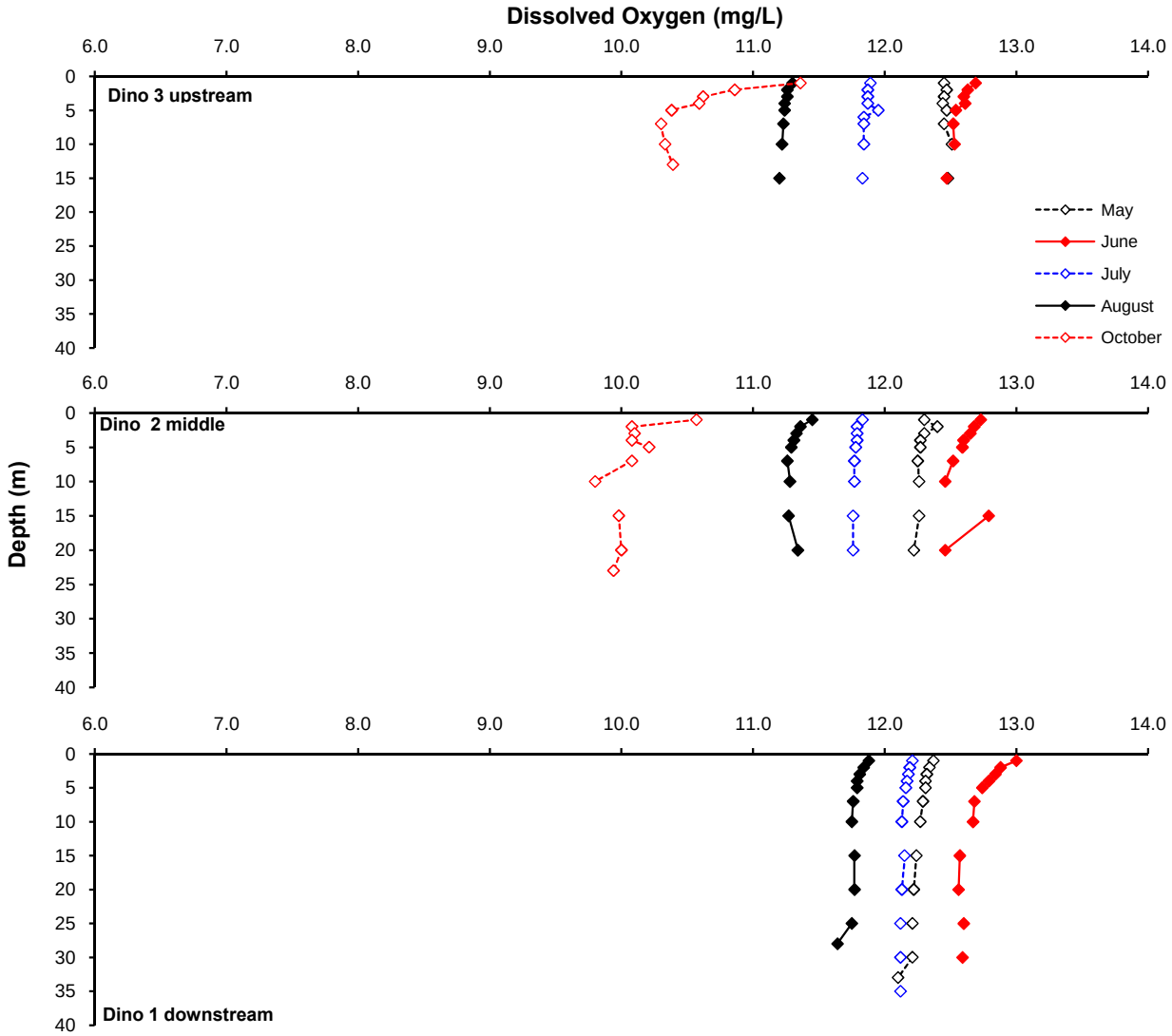
	Dino 3 (upstream)					Dino 2 (centre)					Dino 1 (downstream)				
Depth	May	June	July	August	October	May	June	July	August	Oct	May	June	July	August	Oct
1	3.2	6.8	10.0	13.1	9.3	3.2	7.1	10.3	12.2	9.3	3.3	7.1	8.5	10.1	9.3
2	3.2	6.7	10.0	13.1	9.3	3.1	6.9	10.3	12.2	9.3	3.3	7.0	8.4	10.0	9.3
3	3.1	6.7	10.0	13.1	9.3	3.1	6.9	10.2	12.2	9.3	3.3	6.8	8.4	9.9	9.3
4	3.1	6.7	10.0	13.1	9.3	3.1	6.8	10.2	12.1	9.3	3.3	6.7	8.4	9.9	9.3
5	3.1	6.7	10.0	13.0	9.3	3.1	6.9	10.1	12.3	9.3	3.3	6.7	8.4	9.9	9.3
6			10.0												
7	3.1	6.7	10.0	13.0	9.3	3.1	6.8	10.2	12.2	9.3	3.3	6.6	8.3	9.9	9.3
10	3.1	6.7	10.0	13.0	9.3	3.1	6.7	10.1	12.1	9.3	3.2	6.3	8.3	9.9	9.3
13					9.3										
15	3.1	6.7	10.0	12.9		3.1	6.7	10.1	12.1	9.3	3.2	6.0	8.3	9.8	9.3
20						3.1	6.6	10.0	11.9	9.3	3.3	5.9	8.2	9.7	9.3
23										9.3					
25											3.3	5.6	8.1	9.6	9.3
28														9.6	
30											3.3	5.7	8.1		9.3
33											3.3				
35													8.1		9.3
38															
Mean	3.1	6.7	10.0	13.0	9.3	3.1	6.8	10.2	12.1	9.3	3.3	6.4	8.3	9.8	9.3
Max	3.2	6.8	10.0	13.1	9.3	3.2	7.1	10.3	12.3	9.3	3.3	7.1	8.5	10.1	9.3
Min	3.1	6.8	10.0	12.9	9.3	3.1	6.6	10.0	11.9	9.3	3.2	5.6	8.1	9.6	9.3



Appendix C - 2: Dissolved Oxygen (DO) profiles for Dinosaur Lake sampling stations.

	Dino 3 (upstream)					Dino 2 (centre)					Dino 1 (downstream)				
Depth	May	June	July	August	October	May	June	July	August	Oct	May	June	July	August	Oct
1	12.5	12.7	11.9	11.3	11.4	12.3	12.7	11.8	11.5	10.6	12.4	13.0	12.2	11.9	
2	12.5	12.6	11.9	11.3	10.9	12.4	12.7	11.8	11.4	10.1	12.3	12.9	12.2	11.8	
3	12.5	12.6	11.9	11.3	10.6	12.3	12.7	11.8	11.3	10.1	12.3	12.8	12.2	11.8	
4	12.4	12.6	11.9	11.2	10.6	12.3	12.6	11.8	11.3	10.1	12.3	12.8	12.2	11.8	
5	12.5	12.5	12.0	11.2	10.4	12.3	12.6	11.8	11.3	10.2	12.3	12.7	12.2	11.8	
6			11.8												
7	12.5	12.5	11.8	11.2	10.3	12.3	12.5	11.8	11.3	10.1	12.3	12.7	12.1	11.8	
10	12.5	12.5	11.8	11.2	10.3	12.3	12.5	11.8	11.3	9.8	12.3	12.7	12.1	11.8	
13					10.4										
15	12.5	12.5	11.8	11.2		12.3	12.8	11.8	11.3	10.0	12.2	12.6	12.2	11.8	
20						12.2	12.5	11.8	11.3	10.0	12.2	12.6	12.1	11.8	
23										9.9					
25											12.2	12.6	12.1	11.8	
28														11.6	
30											12.2	12.6	12.1		
33											12.1				
35													12.1		
38															
Mean	12.5	12.6	11.9	11.2	10.6	12.3	12.6	11.8	11.3	10.1	12.3	12.7	12.2	11.8	#DIV/0!
Max	12.5	12.7	12.0	11.3	11.4	12.4	12.8	11.8	11.5	10.6	12.4	13.0	12.2	11.9	0.0
Min	12.4	12.7	11.8	11.2	10.3	12.2	12.5	11.8	11.3	9.8	12.1	12.6	12.1	11.6	0.0

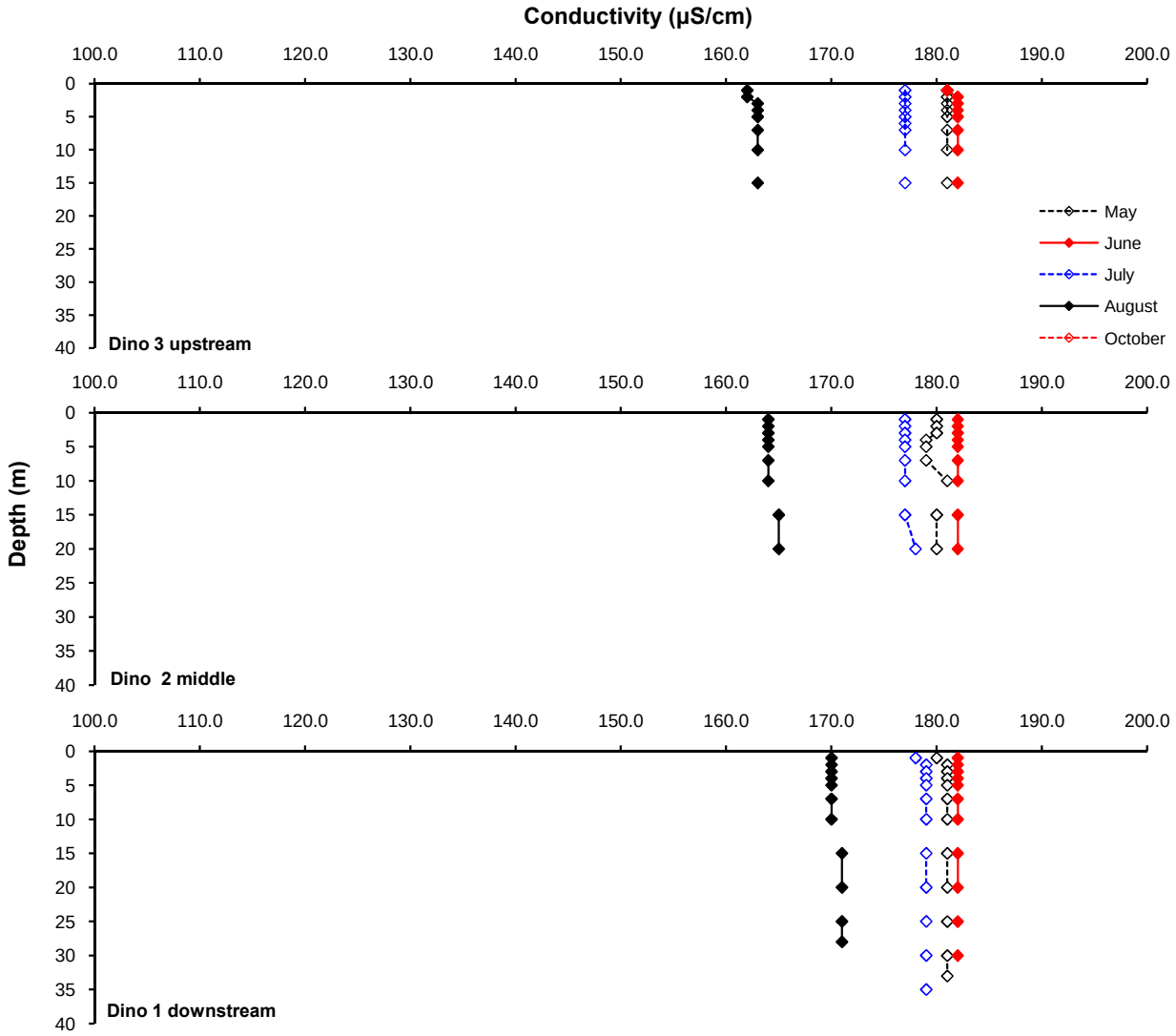
No October reading and Dino 1 due to malfunctioning meter - DO probe membrane later found to need replacement



Appendix C - 3: Water conductivity profiles for Dinosaur Lake sampling stations.

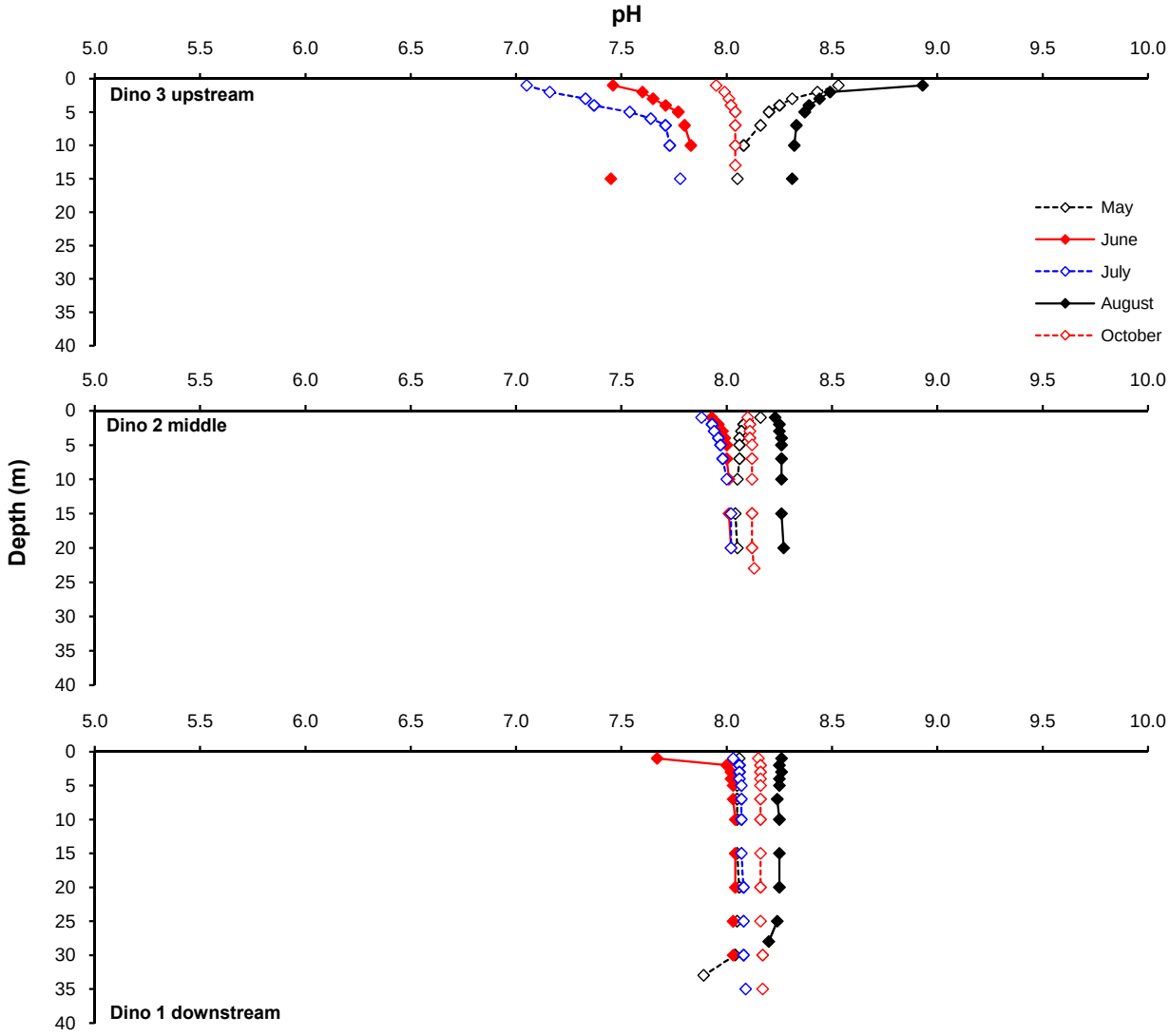
	Dino 3 (upstream)					Dino 2 (centre)					Dino 1 (downstream)				
Depth	May	June	July	August	October	May	June	July	August	Oct	May	June	July	August	Oct
1	181	181	177	162		180	182	177	164		180	182	178	170	
2	181	182	177	162		180	182	177	164		181	182	179	170	
3	181	182	177	163		180	182	177	164		181	182	179	170	
4	181	182	177	163		179	182	177	164		181	182	179	170	
5	181	182	177	163		179	182	177	164		181	182	179	170	
6			177												
7	181	182	177	163		179	182	177	164		181	182	179	170	
10	181	182	177	163		181	182	177	164		181	182	179	170	
13															
15	181	182	177	163		180	182	177	165		181	182	179	171	
20						180	182	178	165		181	182	179	171	
23															
25											181	182	179	171	
28														171	
30											181	182	179		
33											181				
35													179		
38															
Mean	181	182	177	163		180	182	177	164		181	182	179	170	
Max	181	182	177	163		181	182	178	165		181	182	179	171	
Min	181	181	177	162		179	182	177	164		180	182	178	170	

No October readings due to malfunctioning meter.



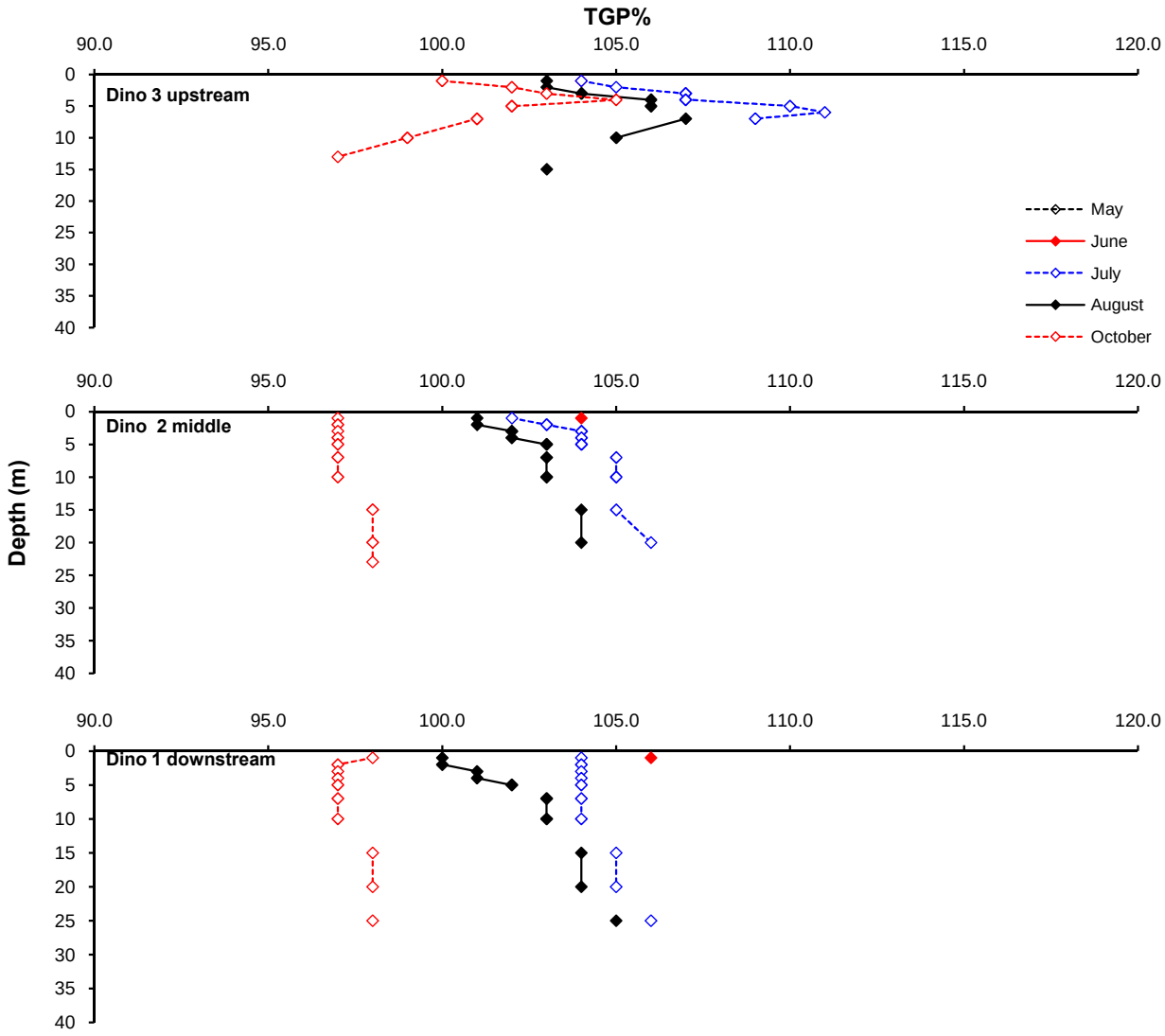
Appendix C - 4: Water pH profiles for Dinosaur Lake sampling stations.

	Dino 3 (upstream)					Dino 2 (centre)					Dino 1 (downstream)				
Depth	May	June	July	August	October	May	June	July	August	Oct	May	June	July	August	Oct
1	8.5	7.5	7.1	8.9	8.0	8.2	7.9	7.9	8.2	8.1	8.1	7.7	8.0	8.3	8.2
2	8.4	7.6	7.2	8.5	8.0	8.1	8.0	7.9	8.3	8.1	8.1	8.0	8.1	8.3	8.2
3	8.3	7.7	7.3	8.4	8.0	8.1	8.0	7.9	8.3	8.1	8.1	8.0	8.1	8.3	8.2
4	8.3	7.7	7.4	8.4	8.0	8.1	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.3	8.2
5	8.2	7.8	7.5	8.4	8.0	8.1	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.3	8.2
6			7.6												
7	8.2	7.8	7.7	8.3	8.0	8.1	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.2	8.2
10	8.1	7.8	7.7	8.3	8.0	8.1	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.3	8.2
13					8.0										
15	8.1	7.5	7.8	8.3		8.0	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.3	8.2
20						8.1	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.3	8.2
23										8.1					
25											8.1	8.0	8.1	8.2	8.2
28														8.2	
30											8.0	8.0	8.1		8.2
33											7.9				
35													8.1		8.2
38															
Mean	8.3	7.7	7.5	8.4	8.0	8.1	8.0	8.0	8.3	8.1	8.0	8.0	8.1	8.2	8.2
Max	8.5	7.8	7.8	8.9	8.0	8.2	8.0	8.0	8.3	8.1	8.1	8.0	8.1	8.3	8.2
Min	8.1	7.5	7.1	8.3	8.0	8.0	7.9	7.9	8.2	8.1	7.9	7.7	8.0	8.2	8.2



Appendix C - 6: Water TGP% profiles for Dinosaur Lake Sampling Stations.

	Station 3 (upstream)					Station 2 (centre)					Station 1 (downstream)				
Depth	May	June	July	August	October	May	June	July	August	Oct	May	June	July	August	Oct
1		104	104	103	100		104	102	101	97		106	104	100	98
2			105	103	102			103	101	97			104	100	97
3			107	104	103			104	102	97			104	101	97
4			107	106	105			104	102	97			104	101	97
5			110	106	102			104	103	97			104	102	97
6			111												
7			109	107	101			105	103	97			104	103	97
10				105	99			105	103	97			104	103	97
13					97										
15				103				105	104	98			105	104	98
20								106	104	98			105	104	98
23										98					
25													106	105	98
28															
30															
33															
35															
38															
Mean		104	108	105	101		104	104	103	97		106	104	102	97
Max		104	111	107	105		104	106	104	98		106	106	105	98
Min		104	104	103	97		104	102	101	97		106	104	100	97



APPENDIX D

Daily Water Temperature Data from the Peace River and associated tributaries collected between 2006 and 2008 and from Dinosaur Lake in 2008.

August 2009
Report No. 08-1430-0016

Appendix D 1: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 1

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
4-Mar-07	0.3	0.4	0.2	22-Apr-07	1.5	1.8	1.3	10-Jun-07	4.8	5.1	4.5
5-Mar-07	0.3	0.5	0.1	23-Apr-07	1.6	1.9	1.4	11-Jun-07	5.0	5.7	4.4
6-Mar-07	0.4	0.6	0.3	24-Apr-07	1.6	1.7	1.5	12-Jun-07	5.2	5.9	4.7
7-Mar-07	0.5	0.8	0.2	25-Apr-07	1.6	1.9	1.5	13-Jun-07	5.3	6.2	4.8
8-Mar-07	0.6	1.1	0.4	26-Apr-07	1.7	1.9	1.5	14-Jun-07	5.4	6.0	5.1
9-Mar-07	0.7	0.9	0.5	27-Apr-07	1.7	2.0	1.6	15-Jun-07	5.3	5.8	4.9
10-Mar-07	0.5	0.6	0.4	28-Apr-07	1.9	2.2	1.7	16-Jun-07	5.2	5.7	4.8
11-Mar-07	0.5	0.6	0.3	29-Apr-07	2.0	2.4	1.7	17-Jun-07	5.5	6.1	5.2
12-Mar-07	0.5	0.8	0.2	30-Apr-07	1.8	1.9	1.5	18-Jun-07	5.5	5.9	5.2
13-Mar-07	0.5	0.7	0.0	1-May-07	1.6	1.9	1.4	19-Jun-07	5.2	5.5	5.0
14-Mar-07	0.5	1.0	-0.1	2-May-07	1.6	1.7	1.5	20-Jun-07	5.3	5.8	5.0
15-Mar-07	0.5	0.7	0.2	3-May-07	1.7	1.9	1.6	21-Jun-07	6.3	6.7	5.8
16-Mar-07	0.4	0.6	0.3	4-May-07	1.8	1.9	1.7	22-Jun-07	6.6	7.0	6.3
17-Mar-07	0.4	0.9	0.0	5-May-07	2.0	2.3	1.8	23-Jun-07	6.4	6.5	6.3
18-Mar-07	0.3	1.0	0.0	6-May-07	2.2	2.5	1.9	24-Jun-07	6.9	7.4	6.4
19-Mar-07	0.4	0.8	-0.1	7-May-07	2.3	2.5	2.0	25-Jun-07	7.5	7.8	7.2
20-Mar-07	0.4	0.8	0.0	8-May-07	2.3	2.6	2.2	26-Jun-07	7.9	8.2	7.5
21-Mar-07	0.5	0.7	0.2	9-May-07	2.3	2.7	2.2	27-Jun-07	8.3	8.6	8.0
22-Mar-07	0.7	1.1	0.5	10-May-07	2.4	2.6	2.2	28-Jun-07	8.3	8.4	8.2
23-Mar-07	0.8	1.2	0.4	11-May-07	2.4	2.8	2.2	29-Jun-07	8.2	8.4	8.1
24-Mar-07	0.9	1.3	0.6	12-May-07	2.5	2.8	2.3	30-Jun-07	8.2	8.3	8.0
25-Mar-07	1.0	1.3	0.7	13-May-07	2.6	2.9	2.3	1-Jul-07	8.1	8.3	7.8
26-Mar-07	0.9	1.5	0.2	14-May-07	2.7	3.0	2.5	2-Jul-07	8.5	9.1	7.8
27-Mar-07	1.0	1.3	0.6	15-May-07	2.8	3.1	2.6	3-Jul-07	9.2	9.4	8.8
28-Mar-07	0.9	1.2	0.7	16-May-07	2.9	3.2	2.7	4-Jul-07	9.3	9.5	9.1
29-Mar-07	1.1	1.4	0.7	17-May-07	2.9	3.1	2.7	5-Jul-07	9.2	9.4	8.9
30-Mar-07	0.9	1.4	0.6	18-May-07	2.8	3.0	2.7	6-Jul-07	9.1	9.3	8.8
31-Mar-07	0.8	1.2	0.5	19-May-07	2.9	3.1	2.7	7-Jul-07	9.0	9.4	8.9
1-Apr-07	0.6	1.0	0.0	20-May-07	2.9	3.2	2.8	8-Jul-07	9.1	9.3	8.9
2-Apr-07	0.6	1.0	0.0	21-May-07	3.0	3.3	2.8	9-Jul-07	9.3	9.6	9.1
3-Apr-07	0.6	1.2	0.2	22-May-07	3.0	3.3	2.9	10-Jul-07	9.2	9.5	9.1
4-Apr-07	0.7	1.2	0.0	23-May-07	3.1	3.4	2.9	11-Jul-07	9.4	9.5	9.1
5-Apr-07	0.8	1.3	0.1	24-May-07	3.2	3.6	2.9	12-Jul-07	9.6	10.3	9.3
6-Apr-07	1.0	1.4	0.5	25-May-07	3.4	3.8	3.1	13-Jul-07	9.9	10.2	9.7
7-Apr-07	1.1	1.6	0.8	26-May-07	3.5	3.8	3.3	14-Jul-07	10.0	10.3	9.8
8-Apr-07	1.2	1.5	1.0	27-May-07	3.7	4.1	3.4	15-Jul-07	9.7	9.9	9.5
9-Apr-07	1.2	1.5	1.1	28-May-07	3.6	3.9	3.5	16-Jul-07	9.5	9.8	9.1
10-Apr-07	1.3	1.5	1.1	29-May-07	3.7	4.1	3.5	17-Jul-07	9.0	9.2	8.8
11-Apr-07	1.3	1.7	1.0	30-May-07	3.8	4.0	3.6	18-Jul-07	8.9	9.1	8.8
12-Apr-07	1.3	1.7	1.1	31-May-07	3.9	4.2	3.6	19-Jul-07	8.8	9.0	8.4
13-Apr-07	1.3	1.6	1.1	1-Jun-07	3.9	4.2	3.6	20-Jul-07	8.3	8.6	7.9
14-Apr-07	1.6	2.5	1.1	2-Jun-07	4.0	4.4	3.7	21-Jul-07	8.1	8.8	7.9
15-Apr-07	1.5	2.2	1.1	3-Jun-07	4.1	4.5	3.9	22-Jul-07	9.2	9.7	8.8
16-Apr-07	1.6	1.8	1.3	4-Jun-07	4.2	4.5	3.9	23-Jul-07	9.5	9.9	9.1
17-Apr-07	1.7	2.0	1.5	5-Jun-07	4.2	4.4	4.1	24-Jul-07	9.7	10.0	9.4
18-Apr-07	1.6	2.0	1.5	6-Jun-07	4.4	4.9	4.2	25-Jul-07	9.4	9.6	9.3
19-Apr-07	1.6	1.8	1.5	7-Jun-07	4.4	4.7	4.2	26-Jul-07	10.2	10.7	9.6
20-Apr-07	1.5	1.6	1.5	8-Jun-07	4.6	5.0	4.3	27-Jul-07	10.7	11.0	10.5
21-Apr-07	1.5	1.7	1.4	9-Jun-07	4.8	5.2	4.5	28-Jul-07	10.3	10.5	10.0

Appendix D 1: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 1

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
29-Jul-07	9.8	10.0	9.5	16-Sep-07	11.8	12.0	11.6	4-Nov-07	8.4	8.4	8.3
30-Jul-07	9.3	9.6	8.9	17-Sep-07	11.8	12.1	11.3	5-Nov-07	8.3	8.3	8.2
31-Jul-07	9.1	9.9	8.8	18-Sep-07	12.4	12.6	12.1	6-Nov-07	8.1	8.2	8.1
1-Aug-07	10.9	11.5	10.0	19-Sep-07	12.3	12.5	12.2	7-Nov-07	8.0	8.1	7.9
2-Aug-07	11.7	12.1	11.4	20-Sep-07	11.8	12.2	11.2	8-Nov-07	7.8	7.9	7.7
3-Aug-07	11.2	11.4	10.8	21-Sep-07	11.5	11.8	11.2	9-Nov-07	7.6	7.7	7.5
4-Aug-07	10.4	10.8	9.8	22-Sep-07	12.0	12.2	11.8	10-Nov-07	7.5	7.5	7.4
5-Aug-07	9.9	10.1	9.8	23-Sep-07	12.0	12.1	11.9	11-Nov-07	7.3	7.4	7.2
6-Aug-07	10.0	10.2	9.6	24-Sep-07	11.9	12.1	11.6	12-Nov-07	7.1	7.1	7.1
7-Aug-07	9.5	9.7	9.2	25-Sep-07	11.3	11.6	10.9	13-Nov-07	7.1	7.2	7.1
8-Aug-07	9.4	10.1	9.1	26-Sep-07	11.1	11.4	10.7	14-Nov-07	7.1	7.1	7.1
9-Aug-07	10.3	10.7	10.1	27-Sep-07	11.8	12.0	11.5	15-Nov-07	7.1	7.1	7.0
10-Aug-07	9.5	10.1	8.7	28-Sep-07	12.0	12.2	11.9	16-Nov-07	6.9	7.0	6.9
11-Aug-07	8.4	8.7	8.1	29-Sep-07	11.6	11.9	11.2	17-Nov-07	6.8	6.8	6.7
12-Aug-07	8.1	8.1	8.0	30-Sep-07	11.0	11.2	10.6	18-Nov-07	6.6	6.7	6.6
13-Aug-07	8.1	8.3	8.0	1-Oct-07	10.3	10.6	10.1	19-Nov-07	6.5	6.6	6.5
14-Aug-07	8.0	8.3	7.7	2-Oct-07	10.1	10.2	10.1	20-Nov-07	6.4	6.5	6.4
15-Aug-07	8.1	9.4	7.6	3-Oct-07	10.4	10.7	10.2	21-Nov-07	6.3	6.4	6.2
16-Aug-07	9.5	9.7	9.1	4-Oct-07	10.9	11.0	10.7	22-Nov-07	6.1	6.2	6.1
17-Aug-07	8.8	9.1	8.5	5-Oct-07	10.9	11.0	10.6	23-Nov-07	6.0	6.1	6.0
18-Aug-07	8.2	8.5	7.8	6-Oct-07	10.0	10.7	9.5	24-Nov-07	5.9	6.0	5.8
19-Aug-07	8.1	8.5	7.8	7-Oct-07	9.5	9.7	9.4	25-Nov-07	5.7	5.8	5.6
20-Aug-07	8.8	9.3	8.6	8-Oct-07	10.1	10.2	9.8	26-Nov-07	5.5	5.6	5.4
21-Aug-07	9.4	9.5	9.3	9-Oct-07	10.1	10.2	10.1	27-Nov-07	5.4	5.4	5.3
22-Aug-07	9.9	10.5	9.3	10-Oct-07	10.2	10.3	10.1	28-Nov-07	5.3	5.3	5.2
23-Aug-07	10.3	10.5	9.7	11-Oct-07	10.0	10.2	9.8	29-Nov-07	5.0	5.2	4.9
24-Aug-07	9.3	9.7	9.1	12-Oct-07	9.6	9.8	9.4	30-Nov-07	4.9	5.0	4.8
25-Aug-07	8.9	9.1	8.6	13-Oct-07	9.8	10.1	9.4	1-Dec-07	4.8	4.8	4.7
26-Aug-07	8.7	8.9	8.4	14-Oct-07	10.2	10.3	10.1	2-Dec-07	4.5	4.7	4.3
27-Aug-07	8.6	8.9	8.3	15-Oct-07	10.2	10.2	10.1	3-Dec-07	4.2	4.3	4.0
28-Aug-07	8.9	9.1	8.8	16-Oct-07	10.1	10.2	10.0	4-Dec-07	3.9	4.0	3.9
29-Aug-07	9.1	9.2	9.0	17-Oct-07	10.0	10.1	9.9	5-Dec-07	3.9	3.9	3.7
30-Aug-07	9.0	9.1	8.8	18-Oct-07	9.9	10.0	9.6	6-Dec-07	3.9	3.9	3.8
31-Aug-07	8.8	9.0	8.4	19-Oct-07	9.4	9.6	9.3	7-Dec-07	3.8	3.8	3.8
1-Sep-07	8.5	8.7	8.3	20-Oct-07	9.3	9.5	9.2	8-Dec-07	3.8	3.8	3.7
2-Sep-07	9.0	9.6	8.5	21-Oct-07	9.3	9.4	9.2	9-Dec-07	3.6	3.7	3.4
3-Sep-07	9.9	10.2	9.6	22-Oct-07	9.4	9.4	9.2	10-Dec-07	3.4	3.4	3.4
4-Sep-07	10.0	10.2	9.6	23-Oct-07	9.4	9.4	9.4	11-Dec-07	3.4	3.4	3.4
5-Sep-07	9.3	9.7	9.0	24-Oct-07	9.5	9.5	9.4	12-Dec-07	3.4	3.4	3.4
6-Sep-07	10.1	10.6	9.6	25-Oct-07	9.4	9.5	9.2	13-Dec-07	3.4	3.4	3.4
7-Sep-07	11.0	11.3	10.5	26-Oct-07	9.2	9.2	9.1	14-Dec-07	3.4	3.4	3.3
8-Sep-07	11.8	12.0	11.3	27-Oct-07	9.2	9.4	9.1	15-Dec-07	3.3	3.4	3.3
9-Sep-07	12.2	12.4	11.8	28-Oct-07	9.2	9.2	9.1	16-Dec-07	3.3	3.4	3.3
10-Sep-07	12.0	12.2	11.9	29-Oct-07	9.0	9.1	9.0	17-Dec-07	3.2	3.3	3.2
11-Sep-07	12.2	12.4	11.9	30-Oct-07	9.0	9.0	8.9	18-Dec-07	3.2	3.2	3.1
12-Sep-07	12.2	12.5	12.0	31-Oct-07	8.8	8.9	8.7	19-Dec-07	3.1	3.1	3.0
13-Sep-07	11.8	12.0	11.6	1-Nov-07	8.6	8.7	8.6	20-Dec-07	2.9	3.0	2.8
14-Sep-07	11.5	11.6	11.4	2-Nov-07	8.5	8.6	8.4	21-Dec-07	2.9	2.9	2.8
15-Sep-07	11.6	11.8	11.5	3-Nov-07	8.5	8.5	8.4	22-Dec-07	2.8	2.9	2.6

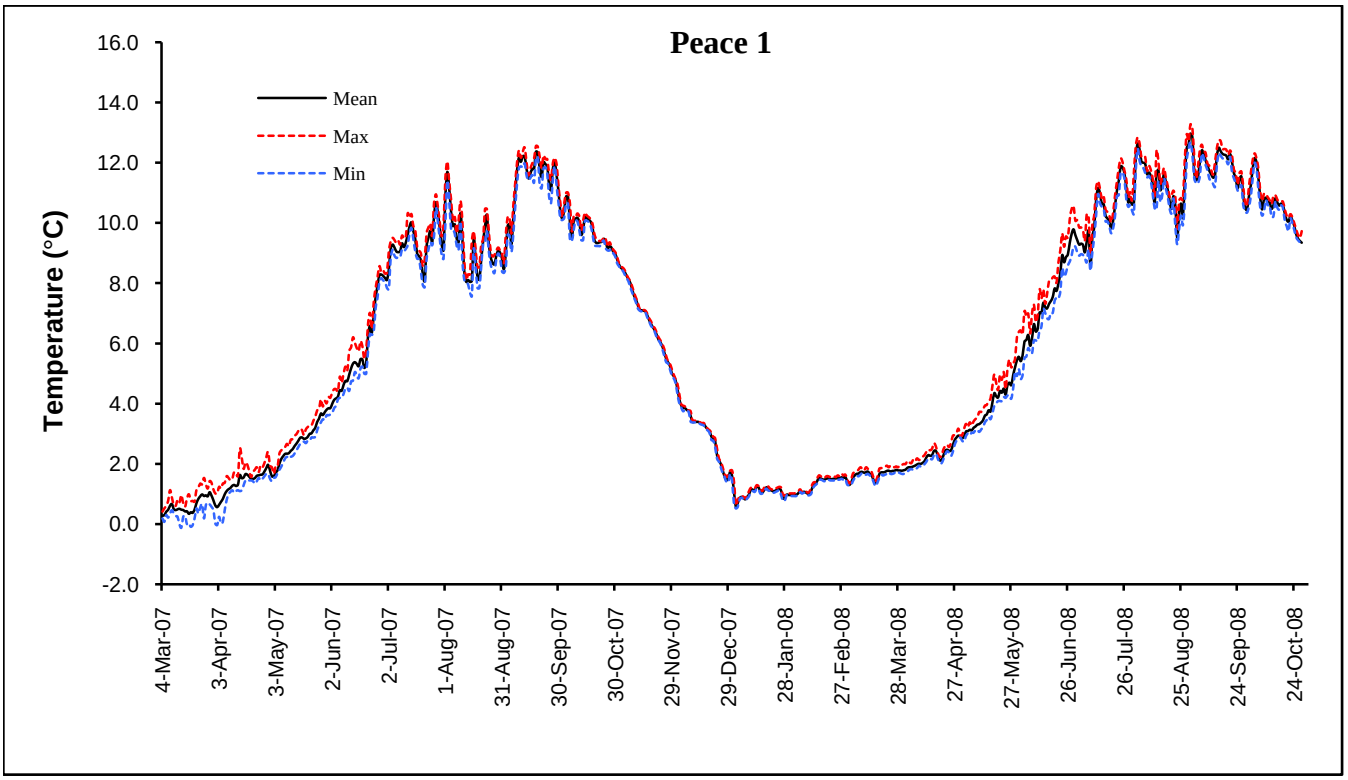
Appendix D 1: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 1

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
23-Dec-07	2.3	2.5	2.2	15-Feb-08	1.5	1.6	1.5	9-Apr-08	2.0	2.2	1.9
24-Dec-07	2.1	2.2	2.1	16-Feb-08	1.5	1.6	1.5	10-Apr-08	2.0	2.2	1.9
25-Dec-07	2.0	2.1	1.9	17-Feb-08	1.5	1.5	1.5	11-Apr-08	2.1	2.3	2.0
26-Dec-07	1.8	1.9	1.7	18-Feb-08	1.5	1.5	1.4	12-Apr-08	2.2	2.4	2.1
27-Dec-07	1.6	1.7	1.6	19-Feb-08	1.5	1.6	1.5	13-Apr-08	2.3	2.5	2.2
28-Dec-07	1.5	1.6	1.4	20-Feb-08	1.5	1.6	1.5	14-Apr-08	2.3	2.5	2.2
29-Dec-07	1.5	1.7	1.4	21-Feb-08	1.5	1.6	1.5	15-Apr-08	2.3	2.5	2.2
30-Dec-07	1.7	1.8	1.7	22-Feb-08	1.5	1.6	1.5	16-Apr-08	2.4	2.7	2.3
31-Dec-07	1.6	1.8	1.4	23-Feb-08	1.5	1.6	1.5	17-Apr-08	2.4	2.6	2.3
1-Jan-08	1.1	1.4	0.7	24-Feb-08	1.5	1.6	1.5	18-Apr-08	2.3	2.4	2.2
2-Jan-08	0.6	0.6	0.5	25-Feb-08	1.5	1.6	1.5	19-Apr-08	2.1	2.2	2.0
3-Jan-08	0.7	0.8	0.6	26-Feb-08	1.5	1.6	1.5	20-Apr-08	2.1	2.3	2.0
4-Jan-08	0.9	0.9	0.8	27-Feb-08	1.6	1.7	1.5	21-Apr-08	2.3	2.5	2.2
5-Jan-08	0.9	0.9	0.9	28-Feb-08	1.5	1.6	1.5	22-Apr-08	2.4	2.6	2.3
6-Jan-08	0.9	0.9	0.8	29-Feb-08	1.6	1.6	1.5	23-Apr-08	2.5	2.6	2.4
7-Jan-08	0.8	0.9	0.8	1-Mar-08	1.4	1.5	1.3	24-Apr-08	2.4	2.6	2.4
8-Jan-08	0.9	1.0	0.9	2-Mar-08	1.3	1.3	1.3	25-Apr-08	2.4	2.7	2.3
9-Jan-08	1.0	1.1	0.9	3-Mar-08	1.4	1.5	1.3	26-Apr-08	2.6	2.9	2.4
10-Jan-08	1.2	1.2	1.1	4-Mar-08	1.5	1.7	1.4	27-Apr-08	2.8	3.0	2.6
11-Jan-08	1.1	1.2	1.1	5-Mar-08	1.6	1.7	1.5	28-Apr-08	2.9	3.0	2.8
12-Jan-08	1.1	1.2	1.1	6-Mar-08	1.7	1.8	1.6	29-Apr-08	2.9	3.2	2.8
13-Jan-08	1.3	1.3	1.2	7-Mar-08	1.7	1.8	1.6	30-Apr-08	2.9	2.9	2.9
14-Jan-08	1.2	1.3	1.2	8-Mar-08	1.7	1.9	1.6	1-May-08	2.9	3.0	2.8
15-Jan-08	1.1	1.2	1.0	9-Mar-08	1.7	1.8	1.7	2-May-08	2.9	3.2	2.7
16-Jan-08	1.0	1.1	1.0	10-Mar-08	1.7	1.8	1.6	3-May-08	3.1	3.3	2.9
17-Jan-08	1.1	1.2	1.1	11-Mar-08	1.7	1.9	1.6	4-May-08	3.1	3.2	3.0
18-Jan-08	1.2	1.3	1.2	12-Mar-08	1.7	1.8	1.7	5-May-08	3.1	3.4	3.0
19-Jan-08	1.2	1.3	1.1	13-Mar-08	1.7	1.8	1.6	6-May-08	3.1	3.3	3.0
20-Jan-08	1.1	1.2	1.1	14-Mar-08	1.6	1.7	1.6	7-May-08	3.2	3.4	3.0
21-Jan-08	1.1	1.2	1.1	15-Mar-08	1.5	1.5	1.4	8-May-08	3.2	3.5	3.1
22-Jan-08	1.1	1.1	1.0	16-Mar-08	1.4	1.4	1.3	9-May-08	3.3	3.5	3.1
23-Jan-08	1.1	1.2	1.1	17-Mar-08	1.5	1.6	1.4	10-May-08	3.3	3.7	3.1
24-Jan-08	1.1	1.2	1.1	18-Mar-08	1.7	1.8	1.5	11-May-08	3.4	3.7	3.1
25-Jan-08	1.2	1.2	1.1	19-Mar-08	1.7	1.9	1.6	12-May-08	3.4	3.8	3.2
26-Jan-08	1.1	1.2	1.0	20-Mar-08	1.7	1.9	1.6	13-May-08	3.6	3.9	3.4
27-Jan-08	0.9	1.0	0.8	21-Mar-08	1.7	1.9	1.6	14-May-08	3.6	4.0	3.5
28-Jan-08	0.9	1.0	0.8	22-Mar-08	1.8	1.9	1.7	15-May-08	3.8	4.1	3.6
29-Jan-08	1.0	1.0	1.0	23-Mar-08	1.8	1.9	1.7	16-May-08	3.7	4.2	3.5
30-Jan-08	1.0	1.0	0.9	24-Mar-08	1.7	1.9	1.7	17-May-08	4.0	4.6	3.7
31-Jan-08	1.0	1.0	0.9	25-Mar-08	1.8	1.9	1.7	18-May-08	4.4	5.0	3.9
1-Feb-08	1.0	1.0	0.9	26-Mar-08	1.8	1.9	1.7	19-May-08	4.2	4.7	4.0
2-Feb-08	1.0	1.0	0.9	27-Mar-08	1.8	1.9	1.8	20-May-08	4.2	4.5	4.1
3-Feb-08	1.0	1.0	0.9	28-Mar-08	1.8	1.9	1.7	21-May-08	4.4	4.9	4.1
4-Feb-08	1.0	1.1	1.0	29-Mar-08	1.8	2.0	1.7	22-May-08	4.4	4.8	4.1
5-Feb-08	1.1	1.2	1.1	30-Mar-08	1.8	2.0	1.7	23-May-08	4.5	5.1	4.2
6-Feb-08	1.1	1.1	1.0	31-Mar-08	1.8	2.0	1.7	24-May-08	4.3	4.5	4.2
7-Feb-08	1.1	1.1	1.0	1-Apr-08	1.8	2.0	1.7	25-May-08	4.6	5.2	4.3
8-Feb-08	1.1	1.1	1.0	2-Apr-08	1.9	2.1	1.8	26-May-08	4.7	5.5	4.3
9-Feb-08	1.0	1.0	1.0	3-Apr-08	1.9	2.0	1.8	27-May-08	4.6	5.2	4.2
10-Feb-08	1.0	1.1	1.0	4-Apr-08	1.9	2.0	1.8	28-May-08	5.0	5.3	4.5
11-Feb-08	1.1	1.2	1.0	5-Apr-08	1.9	2.1	1.8	29-May-08	5.2	5.5	5.1
12-Feb-08	1.3	1.4	1.2	6-Apr-08	1.9	2.1	1.9	30-May-08	5.4	6.2	4.9
13-Feb-08	1.3	1.4	1.3	7-Apr-08	2.0	2.2	1.9	31-May-08	5.6	6.4	5.2
14-Feb-08	1.4	1.5	1.3	8-Apr-08	2.0	2.1	1.9	1-Jun-08	5.4	6.4	4.8

Appendix D 1: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 1

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
2-Jun-08	5.6	6.3	4.9	26-Jul-08	11.6	11.7	11.5	18-Sep-08	12.2	12.4	12.1
3-Jun-08	6.1	7.1	5.5	27-Jul-08	11.2	11.4	10.8	19-Sep-08	12.1	12.3	12.0
4-Jun-08	6.1	6.9	5.6	28-Jul-08	10.7	10.9	10.5	20-Sep-08	12.3	12.4	12.2
5-Jun-08	6.3	7.0	5.8	29-Jul-08	10.8	11.0	10.6	21-Sep-08	12.0	12.3	11.7
6-Jun-08	5.9	6.3	5.7	30-Jul-08	10.6	10.8	10.4	22-Sep-08	11.7	11.8	11.5
7-Jun-08	6.2	7.0	5.7	31-Jul-08	10.7	11.7	10.3	23-Sep-08	11.5	11.7	11.3
8-Jun-08	6.6	7.3	6.1	1-Aug-08	12.2	12.6	11.7	24-Sep-08	11.2	11.3	11.1
9-Jun-08	6.4	6.7	6.1	2-Aug-08	12.6	12.8	12.5	25-Sep-08	11.5	11.7	11.1
10-Jun-08	6.5	6.9	6.1	3-Aug-08	12.4	12.7	12.1	26-Sep-08	11.5	11.7	11.2
11-Jun-08	7.0	7.8	6.4	4-Aug-08	12.0	12.2	11.9	27-Sep-08	10.9	11.2	10.6
12-Jun-08	7.0	7.5	6.6	5-Aug-08	12.0	12.2	11.8	28-Sep-08	10.5	10.6	10.4
13-Jun-08	7.4	7.8	7.1	6-Aug-08	12.0	12.2	11.7	29-Sep-08	10.4	10.6	10.3
14-Jun-08	7.2	7.3	7.0	7-Aug-08	11.6	11.7	11.5	30-Sep-08	10.9	11.2	10.5
15-Jun-08	7.2	7.6	6.8	8-Aug-08	11.7	11.9	11.6	1-Oct-08	11.3	11.7	10.9
16-Jun-08	7.3	8.1	6.8	9-Aug-08	11.6	11.8	11.4	2-Oct-08	11.8	12.1	11.5
17-Jun-08	7.4	8.1	7.0	10-Aug-08	11.3	11.5	11.0	3-Oct-08	12.2	12.3	12.0
18-Jun-08	7.5	8.2	7.0	11-Aug-08	10.7	10.9	10.5	4-Oct-08	12.0	12.1	11.8
19-Jun-08	7.8	8.2	7.4	12-Aug-08	11.6	12.4	10.4	5-Oct-08	11.5	11.8	11.1
20-Jun-08	7.7	8.0	7.5	13-Aug-08	11.8	12.1	11.4	6-Oct-08	10.8	11.1	10.5
21-Jun-08	8.0	8.7	7.5	14-Aug-08	11.1	11.3	10.7	7-Oct-08	10.4	10.7	10.2
22-Jun-08	8.3	9.1	7.7	15-Aug-08	11.3	11.5	10.9	8-Oct-08	10.8	11.0	10.4
23-Jun-08	8.9	9.7	8.5	16-Aug-08	11.6	11.8	11.5	9-Oct-08	10.8	11.0	10.8
24-Jun-08	8.7	9.2	8.2	17-Aug-08	11.4	11.5	11.1	10-Oct-08	10.7	10.9	10.6
25-Jun-08	8.9	9.6	8.3	18-Aug-08	11.1	11.2	10.9	11-Oct-08	10.7	10.8	10.6
26-Jun-08	9.0	9.5	8.6	19-Aug-08	10.7	10.9	10.5	12-Oct-08	10.5	10.6	10.2
27-Jun-08	9.3	10.1	8.7	20-Aug-08	10.5	10.9	10.3	13-Oct-08	10.6	10.9	10.2
28-Jun-08	9.6	10.5	8.9	21-Aug-08	10.9	11.1	10.8	14-Oct-08	10.8	10.9	10.7
29-Jun-08	9.8	10.6	9.2	22-Aug-08	10.6	10.9	9.9	15-Oct-08	10.7	10.8	10.5
30-Jun-08	9.6	10.1	9.2	23-Aug-08	9.5	9.8	9.3	16-Oct-08	10.6	10.7	10.4
1-Jul-08	9.4	10.1	9.0	24-Aug-08	10.3	10.7	9.8	17-Oct-08	10.6	10.7	10.6
2-Jul-08	9.3	9.9	8.9	25-Aug-08	10.6	10.8	10.2	18-Oct-08	10.6	10.7	10.5
3-Jul-08	9.3	9.9	9.0	26-Aug-08	10.2	10.8	9.9	19-Oct-08	10.3	10.5	10.1
4-Jul-08	9.3	9.8	8.9	27-Aug-08	11.5	12.1	10.7	20-Oct-08	10.1	10.2	9.9
5-Jul-08	9.0	9.4	8.8	28-Aug-08	12.5	12.9	12.1	21-Oct-08	10.0	10.2	9.7
6-Jul-08	9.4	10.3	8.7	29-Aug-08	12.6	12.7	12.5	22-Oct-08	10.2	10.3	10.1
7-Jul-08	9.7	10.2	9.1	30-Aug-08	13.0	13.3	12.7	23-Oct-08	10.1	10.2	10.0
8-Jul-08	8.6	9.0	8.4	31-Aug-08	12.9	13.2	12.3	24-Oct-08	9.9	10.0	9.8
9-Jul-08	9.5	10.0	9.0	1-Sep-08	11.7	12.2	11.5	25-Oct-08	9.6	9.8	9.5
10-Jul-08	9.9	10.3	9.5	2-Sep-08	11.4	11.5	11.3	26-Oct-08	9.5	9.6	9.4
11-Jul-08	10.8	11.2	10.3	3-Sep-08	11.5	11.9	11.3	27-Oct-08	9.4	9.5	9.4
12-Jul-08	11.2	11.4	11.0	4-Sep-08	12.0	12.4	11.6	28-Oct-08	9.3	9.7	9.3
13-Jul-08	11.0	11.2	10.7	5-Sep-08	12.4	12.6	12.3				
14-Jul-08	10.6	10.8	10.5	6-Sep-08	12.3	12.4	12.2				
15-Jul-08	10.6	10.9	10.5	7-Sep-08	12.1	12.3	11.9				
16-Jul-08	10.2	10.4	10.1	8-Sep-08	11.9	12.0	11.8				
17-Jul-08	10.2	10.4	10.1	9-Sep-08	11.7	11.9	11.5				
18-Jul-08	10.0	10.2	9.9	10-Sep-08	11.6	11.8	11.4				
19-Jul-08	9.8	10.0	9.7	11-Sep-08	11.5	11.6	11.3				
20-Jul-08	10.1	10.3	9.8	12-Sep-08	11.6	12.0	11.2				
21-Jul-08	10.6	10.9	10.2	13-Sep-08	12.2	12.5	11.9				
22-Jul-08	11.1	11.4	10.9	14-Sep-08	12.5	12.8	12.3				
23-Jul-08	11.4	11.8	10.9	15-Sep-08	12.4	12.7	12.2				
24-Jul-08	11.9	12.1	11.7	16-Sep-08	12.3	12.5	12.1				
25-Jul-08	11.8	12.0	11.7	17-Sep-08	12.3	12.5	12.1				

Appendix D 1: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 1



Appendix D 2: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 2

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
5-Mar-07	0.0	0.2	-0.2	23-Apr-07	2.4	3.4	1.5	11-Jun-07	6.9	8.3	5.5
6-Mar-07	0.1	0.4	-0.1	24-Apr-07	2.2	2.6	1.8	12-Jun-07	7.4	8.6	6.1
7-Mar-07	0.3	0.7	0.0	25-Apr-07	2.4	3.2	1.5	13-Jun-07	7.7	8.8	6.3
8-Mar-07	0.6	1.1	0.1	26-Apr-07	2.2	2.9	1.6	14-Jun-07	7.8	8.7	6.6
9-Mar-07	0.6	0.9	0.4	27-Apr-07	2.5	3.5	1.6	15-Jun-07	7.5	8.5	6.3
10-Mar-07	0.2	0.4	0.0	28-Apr-07	2.6	3.5	1.9	16-Jun-07	7.4	8.5	6.3
11-Mar-07	0.3	0.6	0.0	29-Apr-07	2.9	4.3	1.2	17-Jun-07	7.5	9.0	6.1
12-Mar-07	0.4	0.9	0.0	30-Apr-07	2.9	3.9	2.0	18-Jun-07	6.9	7.9	6.1
13-Mar-07	0.5	0.8	0.1	1-May-07	2.6	3.5	1.6	19-Jun-07	6.4	7.2	5.8
14-Mar-07	0.4	0.7	0.0	2-May-07	2.2	2.5	1.9	20-Jun-07	6.1	6.7	5.4
15-Mar-07	0.2	0.6	-0.1	3-May-07	2.2	2.6	1.9	21-Jun-07	7.0	8.2	5.8
16-Mar-07	0.2	0.4	0.0	4-May-07	2.4	2.8	2.2	22-Jun-07	7.8	9.2	6.5
17-Mar-07	0.2	0.6	-0.3	5-May-07	2.9	4.0	2.2	23-Jun-07	7.0	7.7	6.7
18-Mar-07	0.0	0.1	-0.1	6-May-07	3.6	5.0	2.4	24-Jun-07	7.6	8.9	6.5
19-Mar-07	0.1	0.4	-0.1	7-May-07	3.3	4.0	2.6	25-Jun-07	8.5	10.0	7.3
20-Mar-07	0.4	0.8	-0.1	8-May-07	3.3	4.0	2.6	26-Jun-07	9.0	10.3	7.7
21-Mar-07	0.3	0.8	-0.1	9-May-07	3.2	3.8	2.7	27-Jun-07	8.9	9.8	8.2
22-Mar-07	0.8	1.6	0.5	10-May-07	3.5	4.5	2.6	28-Jun-07	8.9	9.4	8.5
23-Mar-07	1.2	1.7	0.4	11-May-07	3.3	4.3	2.5	29-Jun-07	9.2	10.2	8.5
24-Mar-07	1.3	2.1	0.3	12-May-07	3.6	4.8	2.6	30-Jun-07	8.9	9.5	8.5
25-Mar-07	1.3	2.5	-0.1	13-May-07	3.7	4.6	2.5	1-Jul-07	9.3	10.4	8.4
26-Mar-07	1.3	1.7	0.7	14-May-07	3.8	4.9	2.7	2-Jul-07	9.2	10.4	8.0
27-Mar-07	1.4	2.4	0.2	15-May-07	4.0	5.1	2.9	3-Jul-07	10.1	11.2	9.1
28-Mar-07	1.1	1.5	0.4	16-May-07	3.9	4.8	3.1	4-Jul-07	10.2	11.2	9.3
29-Mar-07	1.3	1.8	0.0	17-May-07	4.0	4.7	3.1	5-Jul-07	10.2	11.2	9.4
30-Mar-07	1.1	1.5	0.5	18-May-07	3.5	3.8	3.0	6-Jul-07	9.9	11.0	9.0
31-Mar-07	1.0	1.6	0.1	19-May-07	3.7	4.5	3.1	7-Jul-07	10.2	11.1	9.1
1-Apr-07	0.6	1.2	0.0	20-May-07	3.8	4.4	3.2	8-Jul-07	9.6	10.0	9.2
2-Apr-07	0.5	1.0	0.0	21-May-07	4.2	5.3	3.1	9-Jul-07	10.3	11.0	9.6
3-Apr-07	0.6	1.2	0.0	22-May-07	3.8	4.4	3.2	10-Jul-07	10.7	11.7	9.8
4-Apr-07	0.8	1.3	0.0	23-May-07	4.2	5.2	3.2	11-Jul-07	10.8	11.6	10.0
5-Apr-07	1.0	1.6	0.3	24-May-07	4.5	5.7	3.2	12-Jul-07	11.6	13.4	10.0
6-Apr-07	1.4	2.0	0.6	25-May-07	4.7	6.0	3.4	13-Jul-07	12.1	14.0	10.7
7-Apr-07	1.8	2.7	0.7	26-May-07	4.8	5.8	3.8	14-Jul-07	11.6	12.7	10.9
8-Apr-07	1.8	2.9	1.0	27-May-07	5.1	6.1	4.0	15-Jul-07	10.6	11.0	10.2
9-Apr-07	1.8	2.7	1.3	28-May-07	4.6	5.2	4.2	16-Jul-07	10.9	11.8	9.7
10-Apr-07	1.9	2.3	1.6	29-May-07	5.0	6.3	3.9	17-Jul-07	10.5	11.2	9.5
11-Apr-07	1.8	2.3	1.5	30-May-07	5.1	5.9	4.2	18-Jul-07	10.2	10.6	9.8
12-Apr-07	2.1	2.5	1.5	31-May-07	5.4	6.7	4.2	19-Jul-07	10.0	10.4	9.7
13-Apr-07	1.8	2.3	1.0	1-Jun-07	5.0	5.9	4.2	20-Jul-07	10.3	11.6	9.4
14-Apr-07	1.4	1.6	1.3	2-Jun-07	6.0	7.3	4.5	21-Jul-07	10.1	11.3	9.0
15-Apr-07				3-Jun-07	6.6	8.5	5.0	22-Jul-07	10.5	11.5	8.9
16-Apr-07	3.5	4.3	2.9	4-Jun-07	6.0	7.4	4.8	23-Jul-07	11.0	13.2	10.1
17-Apr-07	3.3	3.9	2.6	5-Jun-07	5.3	5.9	5.1	24-Jul-07	11.0	12.9	10.2
18-Apr-07	2.7	3.4	1.9	6-Jun-07	6.4	7.9	5.2	25-Jul-07	11.1	12.5	9.9
19-Apr-07	2.3	2.8	1.6	7-Jun-07	6.4	7.0	5.6	26-Jul-07	11.4	12.4	9.8
20-Apr-07	2.1	3.8	1.6	8-Jun-07	6.4	7.4	5.3	27-Jul-07	12.3	14.2	10.9
21-Apr-07	2.3	3.0	1.6	9-Jun-07	6.8	7.9	5.6	28-Jul-07	12.4	13.9	11.5
22-Apr-07	2.8	4.1	1.6	10-Jun-07	6.8	7.6	5.9	29-Jul-07	11.6	13.0	10.9

Appendix D 2: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 2

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
30-Jul-07	10.8	11.4	10.3	17-Sep-07	11.6	12.0	11.1	5-Nov-07	7.8	7.9	7.6
31-Jul-07	9.9	10.4	9.6	18-Sep-07	11.9	12.3	11.6	6-Nov-07	7.7	7.9	7.5
1-Aug-07	10.8	12.1	9.5	19-Sep-07	12.0	12.6	11.5	7-Nov-07	7.7	7.8	7.5
2-Aug-07	12.8	14.5	11.2	20-Sep-07	12.1	12.4	11.8	8-Nov-07	7.3	7.5	7.2
3-Aug-07	12.3	12.8	12.0	21-Sep-07	11.4	11.8	10.9	9-Nov-07	7.2	7.3	7.0
4-Aug-07	11.8	12.1	11.5	22-Sep-07	11.7	12.1	11.4	10-Nov-07	7.1	7.2	7.0
5-Aug-07	11.9	14.4	10.9	23-Sep-07	11.9	12.3	11.5	11-Nov-07	7.0	7.1	6.8
6-Aug-07	11.5	12.2	10.8	24-Sep-07	11.7	12.0	11.3	12-Nov-07	6.8	6.9	6.7
7-Aug-07	11.0	11.4	10.6	25-Sep-07	11.7	12.0	11.2	13-Nov-07	6.8	6.9	6.6
8-Aug-07	10.1	10.6	9.9	26-Sep-07	11.1	11.5	10.6	14-Nov-07	6.7	6.8	6.6
9-Aug-07	10.7	12.5	9.3	27-Sep-07	11.5	12.2	11.1	15-Nov-07	6.7	6.8	6.7
10-Aug-07	10.8	12.0	10.0	28-Sep-07	11.5	11.8	11.3	15-Nov-07	6.7	6.8	6.6
11-Aug-07	9.6	10.1	9.0	29-Sep-07	11.5	11.6	11.3	16-Nov-07	6.7	6.8	6.5
12-Aug-07	9.0	10.5	8.5	30-Sep-07	11.0	11.3	10.8	17-Nov-07	6.4	6.5	6.3
13-Aug-07	9.1	9.8	8.2	1-Oct-07	10.6	11.0	10.3	18-Nov-07	6.3	6.4	6.2
14-Aug-07	8.9	9.9	7.5	2-Oct-07	10.1	10.5	9.7	19-Nov-07	6.0	6.2	5.8
15-Aug-07	8.6	9.4	8.0	3-Oct-07	9.9	10.6	9.4	20-Nov-07	5.8	5.9	5.7
16-Aug-07	9.5	11.4	8.5	4-Oct-07	10.3	10.7	10.1	21-Nov-07	5.5	5.7	5.3
17-Aug-07	9.5	10.2	9.0	5-Oct-07	10.6	11.0	10.3	22-Nov-07	5.5	5.6	5.4
18-Aug-07	8.9	9.3	8.7	6-Oct-07	10.3	10.6	9.9	23-Nov-07	5.4	5.6	5.3
19-Aug-07	8.4	8.8	8.0	7-Oct-07	9.5	9.8	9.3	24-Nov-07	5.7	5.8	5.6
20-Aug-07	8.8	9.1	8.5	8-Oct-07	9.6	10.2	9.0	25-Nov-07	5.2	5.6	4.7
21-Aug-07	9.7	10.4	9.0	9-Oct-07	9.8	10.2	9.5	26-Nov-07	4.6	4.7	4.5
22-Aug-07	10.0	10.8	9.5	10-Oct-07	10.0	10.4	9.6	27-Nov-07	4.7	4.8	4.6
23-Aug-07	11.0	12.0	10.3	11-Oct-07	10.0	10.4	9.8	28-Nov-07	4.5	4.7	4.4
24-Aug-07	10.2	10.9	9.7	12-Oct-07	9.6	9.9	9.2	29-Nov-07	4.2	4.4	4.1
25-Aug-07	9.4	9.6	9.1	13-Oct-07	9.3	9.7	9.0	30-Nov-07	4.1	4.4	4.0
26-Aug-07	9.0	9.6	8.7	14-Oct-07	10.1	10.7	9.7	1-Dec-07	4.1	4.2	3.9
27-Aug-07	9.3	10.0	8.6	15-Oct-07	10.1	10.4	9.9	2-Dec-07	3.5	3.9	3.2
28-Aug-07	9.4	10.3	8.7	16-Oct-07	10.1	10.3	9.9	3-Dec-07	3.1	3.2	2.9
29-Aug-07	9.3	9.8	9.0	17-Oct-07	10.0	10.3	9.8	4-Dec-07	2.9	3.1	2.6
30-Aug-07	9.5	10.0	9.2	18-Oct-07	9.6	10.0	9.2	5-Dec-07	2.6	3.0	1.9
31-Aug-07	9.6	10.5	8.9	19-Oct-07	9.3	9.5	9.1	6-Dec-07	2.9	3.0	2.7
1-Sep-07	9.3	10.3	8.5	20-Oct-07	9.1	9.3	8.9	7-Dec-07	2.8	3.0	2.7
2-Sep-07	9.1	10.1	8.4	21-Oct-07	9.0	9.3	8.8	8-Dec-07	2.8	3.0	2.5
3-Sep-07	10.1	11.0	9.3	22-Oct-07	9.1	9.2	8.9	9-Dec-07	3.3	3.4	2.9
4-Sep-07	10.5	11.2	10.0	23-Oct-07	9.1	9.2	9.1	10-Dec-07	3.0	3.4	2.9
5-Sep-07	9.9	10.4	9.5	24-Oct-07	9.1	9.2	9.0	11-Dec-07	3.1	3.3	3.0
6-Sep-07	10.0	11.0	9.1	25-Oct-07	9.0	9.3	8.8	12-Dec-07	3.3	3.3	3.2
7-Sep-07	10.9	11.9	10.1	26-Oct-07	8.8	9.0	8.4	13-Dec-07	3.2	3.3	3.0
8-Sep-07	11.7	12.8	10.8	27-Oct-07	8.9	9.2	8.6	14-Dec-07	2.9	3.1	2.7
9-Sep-07	12.3	13.2	11.6	28-Oct-07	8.9	9.1	8.7	15-Dec-07	3.0	3.1	2.9
10-Sep-07	12.5	13.2	12.0	29-Oct-07	8.8	8.9	8.7	16-Dec-07	3.1	3.1	3.0
11-Sep-07	12.1	12.5	11.9	30-Oct-07	8.6	8.8	8.4	17-Dec-07	3.0	3.1	2.7
12-Sep-07	12.4	13.1	11.8	31-Oct-07	8.6	8.7	8.4	18-Dec-07	2.7	2.8	2.6
13-Sep-07	12.2	12.8	11.6	1-Nov-07	8.3	8.4	8.1	19-Dec-07	2.6	2.7	2.4
14-Sep-07	11.8	12.4	11.2	2-Nov-07	8.2	8.4	8.1	20-Dec-07	2.4	2.6	2.2
15-Sep-07	11.6	11.8	11.2	3-Nov-07	8.0	8.2	7.9	21-Dec-07	2.0	2.1	1.8
16-Sep-07	11.9	12.4	11.6	4-Nov-07	8.0	8.2	7.8	22-Dec-07	2.2	2.3	2.0

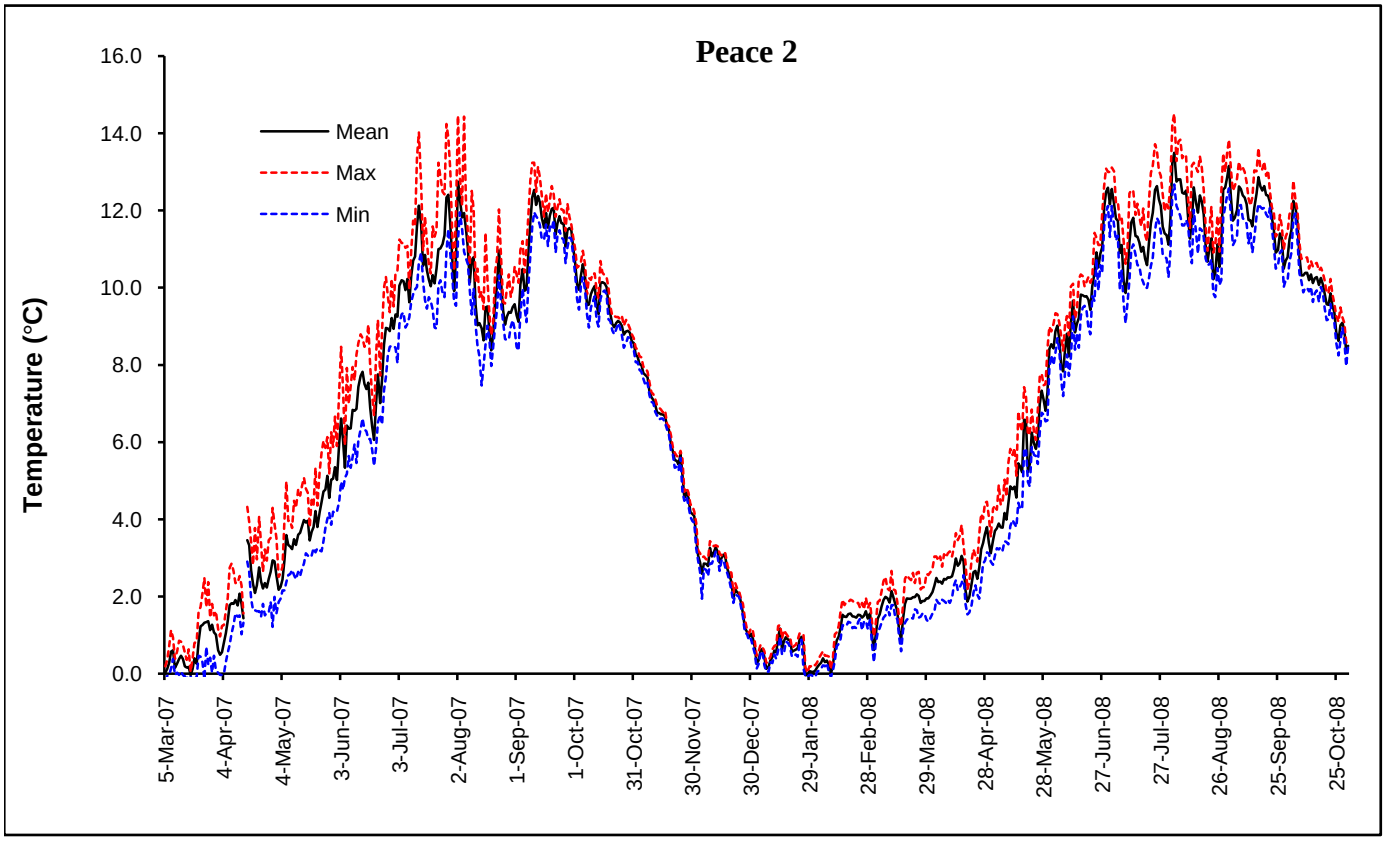
Appendix D 2: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 2

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
23-Dec-07	2.1	2.2	2.0	15-Feb-08	1.5	1.9	1.3	9-Apr-08	2.5	3.1	1.9
24-Dec-07	2.1	2.1	2.0	16-Feb-08	1.5	1.8	1.2	10-Apr-08	2.5	3.2	1.8
25-Dec-07	1.8	1.9	1.7	17-Feb-08	1.5	1.9	1.2	11-Apr-08	2.5	3.0	2.0
26-Dec-07	1.6	1.8	1.5	18-Feb-08	1.5	1.9	1.3	12-Apr-08	2.7	3.3	2.3
27-Dec-07	1.2	1.4	1.1	19-Feb-08	1.6	1.9	1.3	13-Apr-08	3.0	3.6	2.4
28-Dec-07	1.1	1.1	1.0	20-Feb-08	1.5	1.9	1.2	14-Apr-08	2.8	3.5	2.2
29-Dec-07	1.0	1.0	0.9	21-Feb-08	1.5	1.8	1.2	15-Apr-08	2.9	3.6	2.2
30-Dec-07	1.0	1.2	0.9	22-Feb-08	1.5	1.8	1.2	16-Apr-08	3.1	3.9	2.3
31-Dec-07	0.9	1.1	0.7	23-Feb-08	1.5	1.8	1.3	17-Apr-08	2.9	3.3	2.6
1-Jan-08	0.7	0.8	0.5	24-Feb-08	1.5	1.7	1.4	18-Apr-08	2.2	2.9	1.8
2-Jan-08	0.3	0.5	0.1	25-Feb-08	1.5	1.8	1.1	19-Apr-08	1.9	2.2	1.5
3-Jan-08	0.4	0.6	0.2	26-Feb-08	1.5	1.7	1.3	20-Apr-08	2.0	2.4	1.6
4-Jan-08	0.6	0.7	0.5	27-Feb-08	1.6	2.0	1.4	21-Apr-08	2.3	2.9	1.8
5-Jan-08	0.7	0.7	0.6	28-Feb-08	1.4	1.7	1.2	22-Apr-08	2.6	3.2	2.1
6-Jan-08	0.4	0.6	0.2	29-Feb-08	1.6	1.8	1.4	23-Apr-08	2.7	3.1	2.3
7-Jan-08	0.1	0.3	0.1	1-Mar-08	1.0	1.3	0.8	24-Apr-08	2.5	2.9	2.0
8-Jan-08	0.2	0.4	0.1	2-Mar-08	0.6	1.0	0.3	25-Apr-08	2.8	3.6	1.9
9-Jan-08	0.4	0.4	0.3	3-Mar-08	1.0	1.3	0.8	26-Apr-08	3.2	4.1	2.4
10-Jan-08	0.4	0.6	0.3	4-Mar-08	1.4	1.9	1.1	27-Apr-08	3.4	4.0	2.9
11-Jan-08	0.6	0.7	0.5	5-Mar-08	1.5	1.9	1.2	28-Apr-08	3.6	4.4	2.9
12-Jan-08	0.6	0.7	0.4	6-Mar-08	1.7	2.1	1.3	29-Apr-08	3.8	4.5	3.1
13-Jan-08	1.0	1.2	0.6	7-Mar-08	1.9	2.4	1.5	30-Apr-08	3.4	4.1	3.1
14-Jan-08	1.2	1.3	1.0	8-Mar-08	2.0	2.5	1.5	1-May-08	3.1	3.5	2.9
15-Jan-08	0.6	0.9	0.5	9-Mar-08	2.0	2.2	1.8	2-May-08	3.5	4.3	2.8
16-Jan-08	0.8	1.1	0.5	10-Mar-08	1.8	2.2	1.5	3-May-08	3.7	4.4	3.1
17-Jan-08	0.9	1.0	0.8	11-Mar-08	2.1	2.7	1.8	4-May-08	3.8	4.2	3.2
18-Jan-08	0.9	1.0	0.8	12-Mar-08	2.0	2.2	1.8	5-May-08	3.9	4.9	3.2
19-Jan-08	0.9	1.0	0.7	13-Mar-08	1.8	2.2	1.4	6-May-08	3.8	4.4	3.3
20-Jan-08	0.6	0.7	0.4	14-Mar-08	1.6	1.9	1.4	7-May-08	3.8	4.4	3.2
21-Jan-08	0.6	0.7	0.4	15-Mar-08	1.1	1.4	0.9	8-May-08	4.2	5.0	3.4
22-Jan-08	0.6	0.7	0.5	16-Mar-08	0.9	1.2	0.6	9-May-08	4.0	4.6	3.4
23-Jan-08	0.7	0.9	0.4	17-Mar-08	1.4	1.8	1.1	10-May-08	4.4	5.5	3.4
24-Jan-08	0.9	1.0	0.8	18-Mar-08	1.8	2.5	1.3	11-May-08	4.9	5.8	3.8
25-Jan-08	1.0	1.0	0.9	19-Mar-08	2.0	2.6	1.4	12-May-08	4.8	5.7	4.0
26-Jan-08	0.8	1.0	0.1	20-Mar-08	1.9	2.5	1.4	13-May-08	4.9	5.8	3.9
27-Jan-08	0.0	0.2	-0.1	21-Mar-08	1.9	2.4	1.5	14-May-08	4.6	5.1	3.8
28-Jan-08	0.0	0.0	-0.1	22-Mar-08	2.0	2.6	1.4	15-May-08	5.5	6.8	4.4
29-Jan-08	0.1	0.2	0.0	23-Mar-08	2.0	2.3	1.7	16-May-08	5.4	6.4	4.3
30-Jan-08	0.1	0.2	0.0	24-Mar-08	2.1	2.6	1.6	17-May-08	5.2	6.3	4.3
31-Jan-08	0.1	0.2	-0.1	25-Mar-08	2.0	2.6	1.5	18-May-08	6.6	7.4	5.8
1-Feb-08	0.1	0.2	-0.1	26-Mar-08	1.8	2.2	1.5	19-May-08	6.6	7.2	5.8
2-Feb-08	0.2	0.3	0.1	27-Mar-08	1.9	2.2	1.6	20-May-08	5.2	6.2	5.0
3-Feb-08	0.2	0.4	0.1	28-Mar-08	1.9	2.2	1.6	21-May-08	5.4	6.3	4.8
4-Feb-08	0.3	0.5	0.1	29-Mar-08	2.0	2.6	1.4	22-May-08	6.2	6.8	5.9
5-Feb-08	0.4	0.6	0.2	30-Mar-08	2.0	2.6	1.3	23-May-08	6.0	6.3	5.7
6-Feb-08	0.3	0.5	0.2	31-Mar-08	2.0	2.6	1.5	24-May-08	5.8	6.1	5.6
7-Feb-08	0.3	0.5	0.3	1-Apr-08	2.1	2.7	1.6	25-May-08	6.1	6.8	5.4
8-Feb-08	0.2	0.4	0.0	2-Apr-08	2.3	3.0	1.6	26-May-08	7.0	7.7	6.3
9-Feb-08	0.0	0.1	-0.1	3-Apr-08	2.5	3.0	1.9	27-May-08	7.3	7.8	6.8
10-Feb-08	0.2	0.4	0.1	4-Apr-08	2.4	2.9	1.8	28-May-08	7.1	7.5	6.7
11-Feb-08	0.6	1.0	0.3	5-Apr-08	2.4	3.0	1.8	29-May-08	6.8	7.5	6.5
12-Feb-08	0.9	1.1	0.7	6-Apr-08	2.3	2.8	1.9	30-May-08	7.3	8.4	6.6
13-Feb-08	1.0	1.2	0.8	7-Apr-08	2.5	3.1	1.9	31-May-08	8.4	9.0	7.9
14-Feb-08	1.2	1.6	0.9	8-Apr-08	2.4	3.0	1.8	1-Jun-08	8.5	8.9	8.2

Appendix D 2: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 2

Date	Mean	Max	Min
2-Jun-08	8.4	9.1	8.0
3-Jun-08	8.9	9.3	8.3
4-Jun-08	9.0	9.3	8.7
5-Jun-08	8.7	9.1	8.4
6-Jun-08	8.0	8.7	7.6
7-Jun-08	7.8	8.4	7.2
8-Jun-08	8.4	9.0	7.8
9-Jun-08	8.8	9.3	8.3
10-Jun-08	8.2	8.8	7.7
11-Jun-08	9.1	10.0	8.2
12-Jun-08	9.7	10.1	9.3
13-Jun-08	8.8	9.2	8.4
14-Jun-08	9.1	9.4	8.8
15-Jun-08	9.2	10.2	8.4
16-Jun-08	9.8	10.3	9.3
17-Jun-08	9.8	10.3	9.5
18-Jun-08	9.8	10.0	9.5
19-Jun-08	9.8	10.1	9.4
20-Jun-08	9.7	10.3	9.0
21-Jun-08	9.4	10.1	8.8
22-Jun-08	10.0	10.2	9.8
23-Jun-08	10.4	11.4	9.7
24-Jun-08	10.9	11.3	10.7
25-Jun-08	10.5	11.1	9.9
26-Jun-08	10.9	11.1	10.6
27-Jun-08	11.1	11.9	10.4
28-Jun-08	12.1	12.6	11.6
29-Jun-08	12.5	13.1	12.0
30-Jun-08	12.6	13.0	12.1
1-Jul-08	12.2	13.0	11.3
2-Jul-08	12.6	13.1	12.1
3-Jul-08	12.2	13.0	11.6
4-Jul-08	11.8	12.2	11.2
5-Jul-08	11.7	12.2	11.3
6-Jul-08	10.9	11.7	10.0
7-Jul-08	11.1	11.8	10.4
8-Jul-08	10.2	11.2	9.6
9-Jul-08	9.9	10.6	9.1
10-Jul-08	10.3	11.0	9.6
11-Jul-08	11.2	12.4	10.2
12-Jul-08	11.7	12.5	11.0
13-Jul-08	11.8	12.5	11.1
14-Jul-08	11.3	11.9	10.9
15-Jul-08	11.3	12.2	10.6
16-Jul-08	11.2	11.8	10.6
17-Jul-08	10.9	11.6	10.3
18-Jul-08	11.1	12.1	10.1
19-Jul-08	10.8	11.4	10.0
20-Jul-08	10.6	11.2	10.0
21-Jul-08	11.2	12.2	10.2
22-Jul-08	11.7	13.0	10.6
23-Jul-08	11.9	13.2	10.8
24-Jul-08	12.5	13.7	11.5
25-Jul-08	12.6	13.5	11.8
26-Jul-08	12.3	13.0	11.7
27-Jul-08	12.1	12.9	11.4
28-Jul-08	11.6	12.4	10.9
29-Jul-08	11.4	12.0	10.8
30-Jul-08	11.4	12.2	10.8
31-Jul-08	11.1	12.1	10.3
1-Aug-08	11.8	12.8	10.9
2-Aug-08	13.2	14.2	12.4
3-Aug-08	13.5	14.5	12.7
4-Aug-08	12.7	13.3	12.1
5-Aug-08	12.8	13.8	12.0
6-Aug-08	12.8	13.8	11.9
7-Aug-08	12.5	13.4	11.6
8-Aug-08	12.4	13.4	11.6
9-Aug-08	12.5	13.4	11.8
10-Aug-08	11.8	12.3	11.6
11-Aug-08	11.3	11.5	11.1
12-Aug-08	11.7	13.2	10.6
13-Aug-08	12.6	13.2	12.0
14-Aug-08	12.2	13.1	11.4
15-Aug-08	11.9	13.0	10.9
16-Aug-08	12.4	13.4	11.5
17-Aug-08	12.2	13.1	11.5
18-Aug-08	11.9	12.5	11.3
19-Aug-08	11.1	11.6	10.8
20-Aug-08	10.7	11.0	10.6
21-Aug-08	11.0	11.6	10.6
22-Aug-08	11.3	12.1	10.7
23-Aug-08	10.2	10.9	9.9
24-Aug-08	10.4	11.1	9.8
25-Aug-08	11.1	11.9	10.5
26-Aug-08	10.5	10.9	10.1
27-Aug-08	11.2	12.5	10.2
28-Aug-08	12.5	13.5	11.8
29-Aug-08	12.6	13.0	12.1
30-Aug-08	12.9	13.5	12.4
31-Aug-08	13.2	13.8	12.6
1-Sep-08	12.3	13.1	11.9
2-Sep-08	11.7	12.5	11.1
3-Sep-08	11.8	12.6	11.2
4-Sep-08	12.0	12.8	11.3
5-Sep-08	12.6	13.3	12.1
6-Sep-08	12.6	13.0	12.1
7-Sep-08	12.4	13.1	11.8
8-Sep-08	12.3	13.0	11.7
9-Sep-08	12.2	12.7	11.7
10-Sep-08	11.8	12.3	11.2
11-Sep-08	11.7	12.1	11.4
12-Sep-08	11.6	12.3	10.9
13-Sep-08	12.1	13.0	11.3
14-Sep-08	12.4	13.0	11.9
15-Sep-08	12.9	13.6	12.2
16-Sep-08	12.6	13.1	12.1
17-Sep-08	12.5	13.1	12.1
18-Sep-08	12.6	13.3	12.1
19-Sep-08	12.4	12.9	11.9
20-Sep-08	12.4	13.0	11.8
21-Sep-08	12.2	12.5	12.1
22-Sep-08	11.8	12.1	11.5
23-Sep-08	11.5	12.0	11.1
24-Sep-08	10.9	11.3	10.5
25-Sep-08	11.0	11.4	10.6
26-Sep-08	11.4	11.9	10.9
27-Sep-08	11.3	11.6	11.0
28-Sep-08	10.5	11.0	10.0
29-Sep-08	10.7	11.3	10.2
30-Sep-08	10.8	11.4	10.2
1-Oct-08	11.3	11.9	10.7
2-Oct-08	11.5	12.0	10.9
3-Oct-08	12.3	12.8	11.8
4-Oct-08	12.1	12.3	11.9
5-Oct-08	11.7	12.0	11.2
6-Oct-08	10.8	11.2	10.4
7-Oct-08	10.3	10.7	10.2
8-Oct-08	10.3	10.8	9.9
9-Oct-08	10.4	10.8	10.0
10-Oct-08	10.4	10.8	10.0
11-Oct-08	10.2	10.5	9.9
12-Oct-08	10.3	10.7	10.0
13-Oct-08	10.1	10.5	9.6
14-Oct-08	10.2	10.6	9.9
15-Oct-08	10.3	10.6	9.9
16-Oct-08	10.1	10.4	9.6
17-Oct-08	10.2	10.5	10.0
18-Oct-08	10.1	10.4	9.9
19-Oct-08	9.8	10.2	9.5
20-Oct-08	9.6	9.9	9.2
21-Oct-08	9.6	9.9	9.2
22-Oct-08	9.9	10.2	9.6
23-Oct-08	9.5	9.8	9.2
24-Oct-08	9.4	9.6	9.1
25-Oct-08	8.8	9.3	8.6
26-Oct-08	8.6	9.1	8.2
27-Oct-08	9.0	9.5	8.6
28-Oct-08	9.1	9.2	9.0
29-Oct-08	8.9	9.1	8.6
30-Oct-08	8.4	8.6	8.0
31-Oct-08	8.5	8.5	8.5

Appendix D 2: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 2



Appendix D 3: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 3

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
3-Nov-06	7.0	7.0	6.3	24-Dec-06	1.7	1.9	1.6	13-Feb-07	-0.1	-0.1	-0.1
4-Nov-06	6.4	7.0	5.8	25-Dec-06	1.5	1.6	1.5	14-Feb-07	-0.1	-0.1	-0.1
5-Nov-06	5.5	5.9	4.2	26-Dec-06	1.5	1.6	1.4	15-Feb-07	-0.1	-0.1	-0.1
6-Nov-06	5.2	5.6	4.9	27-Dec-06	1.3	1.5	1.2	16-Feb-07	0.0	0.2	-0.1
7-Nov-06	5.5	5.6	5.3	28-Dec-06	1.0	1.3	0.9	17-Feb-07	0.1	0.2	-0.1
8-Nov-06	5.2	5.5	4.4	29-Dec-06	1.2	1.3	1.1	18-Feb-07	0.0	0.2	-0.1
9-Nov-06	4.3	4.5	3.9	30-Dec-06	1.2	1.4	1.1	19-Feb-07	-0.1	0.0	-0.1
10-Nov-06	3.6	4.3	2.7	31-Dec-06	1.3	1.5	1.2	20-Feb-07	-0.1	0.0	-0.1
11-Nov-06	4.2	4.3	4.0	1-Jan-07	1.7	1.8	1.5	21-Feb-07	-0.1	0.0	-0.1
12-Nov-06	3.5	4.0	3.3	2-Jan-07	1.7	1.8	1.6	22-Feb-07	-0.1	-0.1	-0.1
13-Nov-06	3.7	4.0	3.4	3-Jan-07	1.7	1.9	1.4	23-Feb-07	-0.1	0.0	-0.1
14-Nov-06	3.3	3.9	2.9	4-Jan-07	1.3	1.4	1.1	24-Feb-07	-0.1	0.0	-0.1
15-Nov-06	3.7	3.9	3.2	5-Jan-07	1.1	1.2	1.1	25-Feb-07	-0.1	0.0	-0.1
16-Nov-06	3.6	3.7	3.5	6-Jan-07	1.0	1.2	0.9	26-Feb-07	-0.1	0.0	-0.1
17-Nov-06	3.7	3.9	3.5	7-Jan-07	1.1	1.2	1.0	27-Feb-07	-0.1	0.0	-0.1
18-Nov-06	3.7	3.8	3.6	8-Jan-07	0.7	1.1	0.6	28-Feb-07	0.0	0.0	-0.1
19-Nov-06	3.8	3.9	3.7	9-Jan-07	0.5	0.9	-0.1	1-Mar-07	-0.1	0.0	-0.1
20-Nov-06	3.5	3.7	3.3	10-Jan-07	-0.1	-0.1	-0.1	2-Mar-07	-0.1	0.0	-0.1
21-Nov-06	2.9	3.3	2.5	11-Jan-07	-0.1	-0.1	-0.1	3-Mar-07	-0.1	0.0	-0.1
22-Nov-06	2.1	2.5	1.9	12-Jan-07	-0.1	-0.1	-0.1	4-Mar-07	-0.1	0.0	-0.1
23-Nov-06	2.2	2.3	1.9	13-Jan-07	-0.1	0.0	-0.1	5-Mar-07	-0.1	-0.1	-0.1
24-Nov-06	1.8	2.2	1.6	14-Jan-07	-0.1	-0.1	-0.1	6-Mar-07	-0.1	0.0	-0.1
25-Nov-06	1.3	1.6	1.2	15-Jan-07	0.1	0.3	-0.1	7-Mar-07	0.0	0.2	-0.1
26-Nov-06	1.1	1.2	1.0	16-Jan-07	0.2	0.3	0.2	8-Mar-07	0.4	0.7	0.0
27-Nov-06	1.2	1.3	1.0	17-Jan-07	0.0	0.2	-0.1	9-Mar-07	0.6	0.7	0.3
28-Nov-06	1.0	1.2	0.9	18-Jan-07	-0.1	0.1	-0.1	10-Mar-07	0.0	0.4	-0.1
29-Nov-06	1.1	1.4	0.9	19-Jan-07	0.1	0.2	0.0	11-Mar-07	0.0	0.2	-0.1
30-Nov-06	1.6	1.7	1.5	20-Jan-07	0.1	0.2	0.0	12-Mar-07	0.2	0.6	-0.1
1-Dec-06	1.2	1.5	1.1	21-Jan-07	0.1	0.4	0.0	13-Mar-07	0.5	1.3	0.1
2-Dec-06	1.3	1.7	1.0	22-Jan-07	0.4	0.5	0.3	14-Mar-07	0.2	0.7	-0.1
3-Dec-06	1.8	1.9	1.7	23-Jan-07	0.4	0.6	0.3	15-Mar-07	0.0	0.1	-0.1
4-Dec-06	1.9	2.0	1.8	24-Jan-07	0.6	0.7	0.5	16-Mar-07	0.0	0.1	-0.1
5-Dec-06	1.8	2.0	1.7	25-Jan-07	0.6	0.8	0.2	17-Mar-07	0.0	0.4	-0.1
6-Dec-06	1.9	2.2	1.8	26-Jan-07	0.0	0.2	-0.1	18-Mar-07	0.0	0.5	-0.1
7-Dec-06	2.2	2.5	2.0	27-Jan-07	0.1	0.3	-0.1	19-Mar-07	-0.1	0.0	-0.1
8-Dec-06	2.6	2.8	2.5	28-Jan-07	0.0	0.3	-0.1	20-Mar-07	0.1	0.7	-0.1
9-Dec-06	2.4	2.5	2.3	29-Jan-07	0.1	0.2	0.0	21-Mar-07	0.1	0.4	-0.1
10-Dec-06	2.4	2.5	2.3	30-Jan-07	-0.1	0.0	-0.1	22-Mar-07	1.0	1.6	0.5
11-Dec-06	2.3	2.5	2.2	31-Jan-07	0.0	0.3	-0.1	23-Mar-07	1.3	1.9	0.7
12-Dec-06	2.7	2.8	2.5	1-Feb-07	0.1	0.3	0.0	24-Mar-07	1.4	1.9	0.7
13-Dec-06	2.3	2.6	2.2	2-Feb-07	0.0	0.0	-0.1	25-Mar-07	1.6	2.6	0.9
14-Dec-06	2.3	2.4	2.1	3-Feb-07	-0.1	-0.1	-0.1	26-Mar-07	1.5	2.3	0.8
15-Dec-06	2.2	2.3	2.1	4-Feb-07	-0.1	-0.1	-0.1	27-Mar-07	1.5	2.3	0.7
16-Dec-06	1.7	2.1	1.5	5-Feb-07	-0.1	-0.1	-0.1	28-Mar-07	1.1	1.8	0.4
17-Dec-06	1.2	1.5	1.0	6-Feb-07	-0.1	-0.1	-0.1	29-Mar-07	1.4	1.9	1.0
18-Dec-06	1.8	2.4	1.3	7-Feb-07	-0.1	-0.1	-0.1	30-Mar-07	1.5	1.7	1.2
19-Dec-06	2.2	2.5	2.1	8-Feb-07	-0.1	-0.1	-0.1	31-Mar-07	1.1	1.9	0.7
20-Dec-06	2.0	2.1	1.9	9-Feb-07	-0.1	-0.1	-0.1	1-Apr-07	0.4	0.9	0.0
21-Dec-06	2.2	2.2	2.1	10-Feb-07	-0.1	-0.1	-0.1	2-Apr-07	0.1	0.4	-0.1
22-Dec-06	2.0	2.2	1.9	11-Feb-07	-0.1	-0.1	-0.1	3-Apr-07	0.3	0.7	-0.1
23-Dec-06	2.0	2.0	1.9	12-Feb-07	-0.1	-0.1	-0.1	4-Apr-07	0.5	1.2	0.0

Appendix D 3: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 3

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
5-Apr-07	0.9	1.5	0.2	25-May-07	6.4	7.1	5.6	15-Jul-07	11.3	12.5	11.0
6-Apr-07	1.3	1.8	0.7	26-May-07	6.8	7.5	6.2	16-Jul-07	11.2	12.0	10.4
7-Apr-07	1.7	2.7	1.1	27-May-07	6.8	7.2	6.3	17-Jul-07	11.0	11.6	10.3
8-Apr-07	2.2	3.4	1.5	28-May-07	6.6	7.1	6.1	18-Jul-07	10.5	11.1	9.9
9-Apr-07	2.1	2.3	1.6	29-May-07	6.8	7.7	6.2	19-Jul-07	10.4	10.8	9.8
10-Apr-07	2.2	2.7	1.6	30-May-07	7.6	7.9	7.0	20-Jul-07	10.4	11.0	9.7
11-Apr-07	2.1	2.7	1.2	31-May-07	7.7	8.4	6.9	21-Jul-07	10.1	10.8	9.2
12-Apr-07	1.9	2.5	1.4	1-Jun-07	7.9	8.4	7.2	22-Jul-07	10.2	11.4	9.0
13-Apr-07	2.2	2.4	1.8	2-Jun-07	8.6	9.9	7.8	23-Jul-07	10.8	11.2	10.3
14-Apr-07	1.9	2.2	1.6	3-Jun-07	9.7	10.8	8.6	24-Jul-07	10.7	11.2	10.2
15-Apr-07				4-Jun-07	9.8	10.7	8.9	25-Jul-07	11.3	12.6	10.3
16-Apr-07				5-Jun-07	9.4	10.2	8.9	26-Jul-07	11.0	11.8	10.0
17-Apr-07				6-Jun-07	9.2	10.0	8.6	27-Jul-07	11.9	12.8	11.0
18-Apr-07				7-Jun-07	8.6	9.5	8.2	28-Jul-07	12.2	12.8	11.4
19-Apr-07	2.7	3.2	2.2	8-Jun-07	8.0	8.6	7.6	29-Jul-07	11.5	12.2	10.8
20-Apr-07	2.4	2.7	2.1	9-Jun-07	8.4	9.6	7.3	30-Jul-07	10.9	11.6	10.2
21-Apr-07	2.3	2.8	1.9	10-Jun-07	8.8	9.4	8.4	31-Jul-07	10.2	11.0	9.8
22-Apr-07	3.2	4.2	2.4	11-Jun-07	8.1	9.2	7.0	1-Aug-07	10.7	12.4	9.5
23-Apr-07	3.0	3.6	2.2	12-Jun-07	8.9	9.2	8.6	2-Aug-07	12.5	13.4	11.6
24-Apr-07	3.0	3.5	2.7	13-Jun-07	9.3	9.7	8.9	3-Aug-07	12.5	13.4	12.1
25-Apr-07	3.0	3.7	2.3	14-Jun-07	9.5	9.7	9.3	4-Aug-07	12.0	12.2	11.7
26-Apr-07	2.9	3.4	2.5	15-Jun-07	9.3	9.6	8.7	5-Aug-07	11.4	11.9	10.8
27-Apr-07	3.1	3.8	2.4	16-Jun-07	9.2	9.6	8.8	6-Aug-07	11.3	12.1	10.4
28-Apr-07	3.6	4.2	2.9	17-Jun-07	9.1	9.7	8.1	7-Aug-07	11.2	11.8	10.7
29-Apr-07	3.6	4.2	3.0	18-Jun-07	8.5	9.8	7.8	8-Aug-07	10.2	11.1	9.9
30-Apr-07	3.9	4.2	3.4	19-Jun-07	7.3	7.8	6.8	9-Aug-07	10.5	11.6	9.6
1-May-07	3.5	4.1	2.9	20-Jun-07	6.9	7.4	6.4	10-Aug-07	11.2	11.8	10.6
2-May-07	3.3	3.8	3.1	21-Jun-07	7.3	8.5	6.6	11-Aug-07	9.7	10.9	9.4
3-May-07	2.9	3.1	2.8	22-Jun-07	8.3	9.3	7.6	12-Aug-07	8.9	9.5	8.6
4-May-07	3.3	3.7	3.1	23-Jun-07	8.0	9.3	7.6	13-Aug-07	8.9	9.5	8.3
5-May-07	3.7	4.3	3.4	24-Jun-07	8.0	9.0	7.2	14-Aug-07	9.2	9.9	8.4
6-May-07	4.3	5.3	3.6	25-Jun-07	9.0	10.0	8.0	15-Aug-07	9.2	9.8	8.7
7-May-07	4.8	5.3	4.3	26-Jun-07	9.6	11.0	8.4	16-Aug-07			
8-May-07	4.6	4.8	4.2	27-Jun-07	9.8	10.6	8.9	17-Aug-07			
9-May-07	4.5	4.8	4.2	28-Jun-07	9.7	10.3	9.1	18-Aug-07			
10-May-07	4.5	5.1	4.1	29-Jun-07	9.6	10.2	8.9	19-Aug-07			
11-May-07	4.5	5.1	4.1	30-Jun-07	9.7	10.2	9.2	20-Aug-07			
12-May-07	4.7	5.1	4.3	1-Jul-07	10.0	11.3	9.1	21-Aug-07			
13-May-07	4.8	5.3	4.2	2-Jul-07	9.9	10.6	9.0	22-Aug-07			
14-May-07	5.1	5.7	4.5	3-Jul-07	10.6	11.4	9.8	23-Aug-07			
15-May-07	5.3	5.9	4.6	4-Jul-07	10.9	11.6	9.8	24-Aug-07			
16-May-07	5.5	5.8	5.1	5-Jul-07	10.9	11.6	10.0	25-Aug-07			
17-May-07	5.4	5.7	4.9	6-Jul-07	10.6	11.3	9.7	26-Aug-07			
18-May-07	4.8	5.5	4.4	7-Jul-07	10.5	11.1	9.7	27-Aug-07			
19-May-07	4.6	5.0	4.2	8-Jul-07	10.0	10.9	9.4	28-Aug-07			
20-May-07	5.1	5.7	4.6	9-Jul-07	10.5	11.4	9.8	29-Aug-07			
21-May-07	5.6	6.5	4.8	10-Jul-07	10.9	11.6	10.0	30-Aug-07			
22-May-07	5.3	6.0	4.8	11-Jul-07	10.8	11.2	10.0	31-Aug-07			
23-May-07	5.1	5.7	4.6	12-Jul-07	11.1	12.1	10.2	1-Sep-07			
24-May-07	5.8	6.6	5.0	13-Jul-07	12.0	13.0	11.1	2-Sep-07			
				14-Jul-07	12.1	12.9	11.2	3-Sep-07			

Appendix D 3: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 3

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
4-Sep-07				28-Oct-07				21-Dec-07	1.7	2.0	1.6
5-Sep-07				29-Oct-07				22-Dec-07	1.9	2.1	1.7
6-Sep-07				30-Oct-07				23-Dec-07	2.1	2.1	2.0
7-Sep-07				31-Oct-07				24-Dec-07	2.1	2.2	2.0
8-Sep-07				1-Nov-07				25-Dec-07	1.8	2.0	1.7
9-Sep-07				2-Nov-07				26-Dec-07	1.6	1.9	1.5
10-Sep-07				3-Nov-07				27-Dec-07	1.2	1.4	1.0
11-Sep-07				4-Nov-07				28-Dec-07	1.0	1.0	1.0
12-Sep-07				5-Nov-07				29-Dec-07	0.9	1.0	0.8
13-Sep-07				6-Nov-07				30-Dec-07	0.8	0.9	0.7
14-Sep-07				7-Nov-07				31-Dec-07	0.8	0.9	0.6
15-Sep-07				8-Nov-07				1-Jan-08	0.5	0.6	0.4
16-Sep-07				9-Nov-07				2-Jan-08	0.2	0.5	0.1
17-Sep-07				10-Nov-07				3-Jan-08	0.3	0.5	0.2
18-Sep-07				11-Nov-07				4-Jan-08	0.5	0.7	0.5
19-Sep-07				12-Nov-07				5-Jan-08	0.6	0.7	0.6
20-Sep-07				13-Nov-07				6-Jan-08	0.4	0.6	0.2
21-Sep-07				14-Nov-07				7-Jan-08	0.0	0.4	0.0
22-Sep-07				15-Nov-07	6.6	6.6	6.6	8-Jan-08	0.0	0.1	0.0
23-Sep-07				16-Nov-07	6.6	6.7	6.5	9-Jan-08	0.1	0.2	0.0
24-Sep-07				17-Nov-07	6.3	6.5	6.2	10-Jan-08	0.2	0.4	0.1
25-Sep-07				18-Nov-07	6.2	6.3	5.9	11-Jan-08	0.4	0.4	0.4
26-Sep-07				19-Nov-07	5.8	6.0	5.7	12-Jan-08	0.4	0.5	0.3
27-Sep-07				20-Nov-07	5.6	5.7	5.5	13-Jan-08	0.8	1.2	0.5
28-Sep-07				21-Nov-07	5.3	5.5	5.2	14-Jan-08	1.2	1.3	1.1
29-Sep-07				22-Nov-07	5.4	5.5	5.3	15-Jan-08	0.5	1.0	0.4
30-Sep-07				23-Nov-07	5.3	5.5	5.2	16-Jan-08	0.7	1.0	0.4
1-Oct-07				24-Nov-07	5.6	5.7	5.5	17-Jan-08	1.0	1.1	0.9
2-Oct-07				25-Nov-07	5.0	5.5	4.5	18-Jan-08	0.8	0.9	0.7
3-Oct-07				26-Nov-07	4.2	4.5	4.0	19-Jan-08	0.8	0.9	0.5
4-Oct-07				27-Nov-07	4.4	4.5	4.3	20-Jan-08	0.4	0.5	0.2
5-Oct-07				28-Nov-07	4.3	4.5	4.1	21-Jan-08	0.4	0.5	0.3
6-Oct-07				29-Nov-07	3.9	4.2	3.8	22-Jan-08	0.4	0.5	0.3
7-Oct-07				30-Nov-07	3.8	4.1	3.7	23-Jan-08	0.5	0.7	0.4
8-Oct-07				1-Dec-07	3.9	4.0	3.7	24-Jan-08	0.8	1.0	0.7
9-Oct-07				2-Dec-07	3.3	3.7	2.9	25-Jan-08	0.9	1.0	0.9
10-Oct-07				3-Dec-07	2.7	2.9	2.6	26-Jan-08	0.7	1.0	0.1
11-Oct-07				4-Dec-07	2.5	2.7	2.3	27-Jan-08	0.0	0.0	0.0
12-Oct-07				5-Dec-07	2.2	2.7	1.7	28-Jan-08	0.0	0.0	0.0
13-Oct-07				6-Dec-07	2.5	2.7	2.4	29-Jan-08	0.0	0.0	0.0
14-Oct-07				7-Dec-07	2.6	2.7	2.5	30-Jan-08	0.0	0.0	0.0
15-Oct-07				8-Dec-07	2.6	2.7	2.4	31-Jan-08	0.0	0.0	0.0
16-Oct-07				9-Dec-07	3.1	3.4	2.7	1-Feb-08	0.0	0.0	0.0
17-Oct-07				10-Dec-07	3.0	3.4	2.8	2-Feb-08	0.0	0.0	0.0
18-Oct-07				11-Dec-07	3.0	3.2	2.8	3-Feb-08	0.0	0.0	0.0
19-Oct-07				12-Dec-07	3.2	3.3	3.1	4-Feb-08	0.0	0.1	0.0
20-Oct-07				13-Dec-07	3.0	3.2	2.9	5-Feb-08	0.2	0.3	0.1
21-Oct-07				14-Dec-07	2.8	3.1	2.6	6-Feb-08	0.1	0.2	0.0
22-Oct-07				15-Dec-07	2.9	2.9	2.8	7-Feb-08	0.1	0.2	0.1
23-Oct-07				16-Dec-07	3.0	3.1	2.9	8-Feb-08	0.0	0.1	0.0
24-Oct-07				17-Dec-07	3.0	3.1	2.7	9-Feb-08	0.0	0.0	0.0
25-Oct-07				18-Dec-07	2.5	2.7	2.5	10-Feb-08	0.0	0.1	0.0
26-Oct-07				19-Dec-07	2.4	2.6	2.3	11-Feb-08	0.4	0.8	0.1
27-Oct-07				20-Dec-07	2.2	2.5	2.0	12-Feb-08	0.7	0.9	0.4

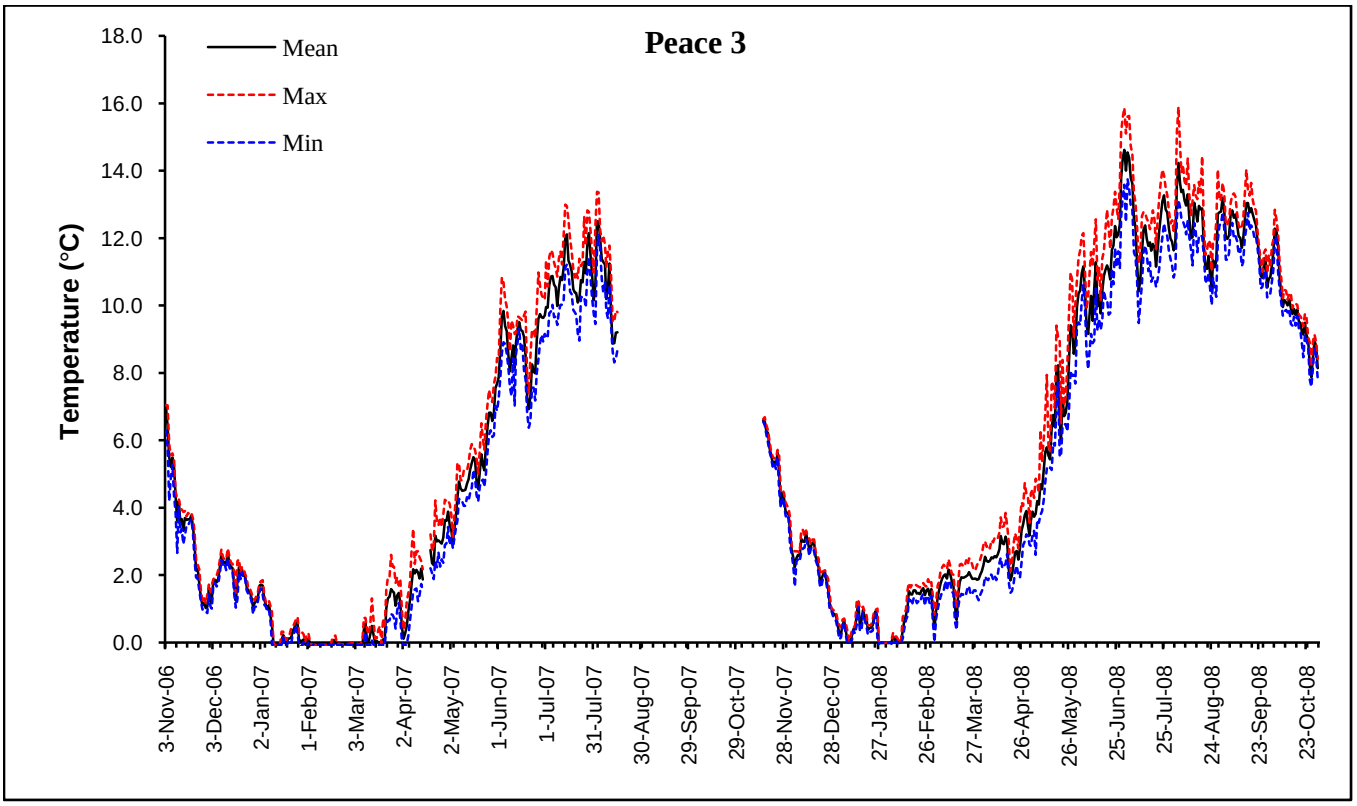
Appendix D 3: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 3

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
13-Feb-08	0.8	1.0	0.7	7-Apr-08	2.5	3.0	2.0	31-May-08	10.0	10.8	9.4
14-Feb-08	1.1	1.6	0.8	8-Apr-08	2.5	3.0	1.9	1-Jun-08	10.4	11.4	9.5
15-Feb-08	1.5	1.8	1.3	9-Apr-08	2.6	3.1	2.0	2-Jun-08	10.4	11.6	9.4
16-Feb-08	1.4	1.6	1.3	10-Apr-08	2.5	3.1	1.9	3-Jun-08	11.0	12.1	10.1
17-Feb-08	1.4	1.7	1.1	11-Apr-08	2.6	3.1	2.0	4-Jun-08	11.2	12.1	10.6
18-Feb-08	1.6	1.8	1.3	12-Apr-08	2.8	3.3	2.4	5-Jun-08	10.5	11.1	10.0
19-Feb-08	1.5	1.7	1.3	13-Apr-08	3.2	3.7	2.5	6-Jun-08	9.4	9.9	8.6
20-Feb-08	1.5	1.7	1.2	14-Apr-08	2.9	3.4	2.2	7-Jun-08	9.2	10.3	8.1
21-Feb-08	1.5	1.7	1.2	15-Apr-08	2.9	3.5	2.3	8-Jun-08	9.8	11.1	8.7
22-Feb-08	1.4	1.6	1.2	16-Apr-08	3.1	3.9	2.3	9-Jun-08	10.3	11.6	9.2
23-Feb-08	1.6	1.7	1.4	17-Apr-08	3.0	3.5	2.6	10-Jun-08	9.6	11.2	8.9
24-Feb-08	1.6	1.8	1.5	18-Apr-08	2.2	3.0	1.8	11-Jun-08	10.5	11.9	9.0
25-Feb-08	1.4	1.7	1.1	19-Apr-08	1.8	2.1	1.5	12-Jun-08	11.3	12.6	10.5
26-Feb-08	1.5	1.7	1.4	20-Apr-08	2.0	2.3	1.5	13-Jun-08	10.0	10.8	9.3
27-Feb-08	1.6	1.9	1.3	21-Apr-08	2.3	2.9	1.8	14-Jun-08	10.3	11.2	9.6
28-Feb-08	1.4	1.7	1.2	22-Apr-08	2.7	3.2	2.1	15-Jun-08	9.8	10.1	9.3
29-Feb-08	1.6	1.8	1.4	23-Apr-08	2.7	3.1	2.3	16-Jun-08	10.4	11.4	9.6
1-Mar-08	0.9	1.4	0.6	24-Apr-08	2.5	2.8	2.0	17-Jun-08	10.9	11.6	10.4
2-Mar-08	0.4	0.8	0.0	25-Apr-08	2.8	3.6	1.9	18-Jun-08	11.1	12.3	10.2
3-Mar-08	0.9	1.2	0.7	26-Apr-08	3.3	4.2	2.4	19-Jun-08	11.2	12.8	10.2
4-Mar-08	1.3	1.7	1.0	27-Apr-08	3.5	4.1	2.9	20-Jun-08	11.1	12.3	9.7
5-Mar-08	1.5	1.8	1.2	28-Apr-08	3.8	4.7	3.0	21-Jun-08	10.8	11.7	9.8
6-Mar-08	1.7	2.1	1.4	29-Apr-08	3.9	4.4	3.2	22-Jun-08	11.6	12.6	11.1
7-Mar-08	1.9	2.2	1.5	30-Apr-08	3.5	4.3	3.2	23-Jun-08	11.8	12.9	10.6
8-Mar-08	2.0	2.3	1.6	1-May-08	3.2	3.6	2.9	24-Jun-08	12.4	13.4	11.7
9-Mar-08	2.0	2.2	1.8	2-May-08	3.6	4.4	2.9	25-Jun-08	12.0	12.9	11.2
10-Mar-08	1.9	2.2	1.6	3-May-08	3.9	4.5	3.2	26-Jun-08	12.1	12.6	11.6
11-Mar-08	2.2	2.5	1.8	4-May-08	3.7	4.3	3.3	27-Jun-08	12.4	13.7	11.1
12-Mar-08	2.0	2.3	1.8	5-May-08	3.8	4.9	2.6	28-Jun-08	13.8	15.2	12.6
13-Mar-08	1.8	2.0	1.5	6-May-08	4.2	4.7	3.6	29-Jun-08	14.4	15.6	13.2
14-Mar-08	1.7	2.0	1.5	7-May-08	4.1	4.5	3.6	30-Jun-08	14.6	15.9	13.6
15-Mar-08	1.1	1.5	0.6	8-May-08	4.7	6.3	3.8	1-Jul-08	14.0	15.1	12.5
16-Mar-08	0.7	1.0	0.4	9-May-08	4.5	5.4	3.9	2-Jul-08	14.5	15.6	13.8
17-Mar-08	1.4	1.8	1.0	10-May-08	5.1	6.0	4.2	3-Jul-08	14.4	15.6	13.5
18-Mar-08	1.8	2.3	1.3	11-May-08	5.7	6.8	4.8	4-Jul-08	13.8	14.7	13.0
19-Mar-08	1.9	2.3	1.5	12-May-08	5.8	7.9	5.2	5-Jul-08	13.6	14.5	12.8
20-Mar-08	1.9	2.3	1.4	13-May-08	5.6	5.8	5.1	6-Jul-08	12.6	13.3	11.6
21-Mar-08	1.9	2.3	1.5	14-May-08	5.4	5.7	5.2	7-Jul-08	12.3	13.0	11.4
22-Mar-08	2.0	2.5	1.5	15-May-08	6.4	7.7	5.1	8-Jul-08	11.2	12.3	10.7
23-Mar-08	2.0	2.3	1.7	16-May-08	6.8	7.6	5.9	9-Jul-08	10.4	11.3	9.5
24-Mar-08	2.1	2.5	1.7	17-May-08	6.4	7.0	5.8	10-Jul-08	10.8	11.5	10.1
25-Mar-08	2.0	2.5	1.4	18-May-08	8.2	9.4	7.0	11-Jul-08	11.6	12.7	10.7
26-Mar-08	1.9	2.3	1.5	19-May-08	8.2	9.1	7.7	12-Jul-08	12.3	12.8	11.6
27-Mar-08	1.9	2.2	1.6	20-May-08	6.7	9.0	5.6	13-Jul-08	12.4	12.8	11.8
28-Mar-08	1.9	2.2	1.6	21-May-08	6.0	6.5	5.5	14-Jul-08	12.0	12.6	11.5
29-Mar-08	1.9	2.3	1.4	22-May-08	7.3	8.4	6.4	15-Jul-08	11.8	12.5	11.0
30-Mar-08	1.9	2.4	1.3	23-May-08	6.7	7.0	6.5	16-Jul-08	11.9	12.3	11.3
31-Mar-08	2.0	2.5	1.4	24-May-08	6.8	7.3	6.5	17-Jul-08	11.6	12.4	10.7
1-Apr-08	2.1	2.6	1.5	25-May-08	7.2	8.2	6.3	18-Jul-08	11.8	12.8	10.8
2-Apr-08	2.3	2.9	1.6	26-May-08	8.3	9.8	6.9	19-Jul-08	11.7	12.6	10.8
3-Apr-08	2.5	3.0	2.0	27-May-08	9.4	11.0	8.1	20-Jul-08	11.2	11.7	10.6
4-Apr-08	2.4	2.9	1.9	28-May-08	9.3	10.8	7.9	21-Jul-08	11.7	12.6	10.8
5-Apr-08	2.4	2.9	1.9	29-May-08	8.6	9.1	7.9	22-Jul-08	12.2	13.2	11.1
6-Apr-08	2.4	2.8	2.0	30-May-08	8.8	10.1	7.7	23-Jul-08	12.7	13.7	11.7

Appendix D 3: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 3

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
24-Jul-08	13.1	14.0	12.1	16-Sep-08	13.0	13.4	12.8				
25-Jul-08	13.3	13.9	12.4	17-Sep-08	12.8	13.3	12.2				
26-Jul-08	12.9	13.5	12.2	18-Sep-08	12.9	13.6	12.4				
27-Jul-08	12.8	13.3	12.1	19-Sep-08	12.7	13.1	12.3				
28-Jul-08	12.3	12.8	11.6	20-Sep-08	12.5	12.9	12.0				
29-Jul-08	12.0	12.4	11.4	21-Sep-08	12.4	12.8	12.1				
30-Jul-08	11.9	12.5	11.2	22-Sep-08	11.9	12.2	11.7				
31-Jul-08	11.6	12.2	10.8	23-Sep-08	11.5	11.7	11.3				
1-Aug-08	11.8	12.6	11.0	24-Sep-08	10.9	11.3	10.5				
2-Aug-08	13.5	15.1	12.6	25-Sep-08	10.8	11.0	10.6				
3-Aug-08	14.2	15.9	13.1	26-Sep-08	11.2	11.6	10.9				
4-Aug-08	13.6	14.7	12.9	27-Sep-08	11.4	11.7	11.1				
5-Aug-08	13.4	14.0	12.6	28-Sep-08	10.5	11.0	10.2				
6-Aug-08	13.4	14.2	12.5	29-Sep-08	10.8	11.5	10.3				
7-Aug-08	13.1	13.7	12.4	30-Sep-08	10.8	11.1	10.4				
8-Aug-08	13.0	13.5	12.1	1-Oct-08	11.2	11.8	10.7				
9-Aug-08	13.3	14.4	12.5	2-Oct-08	11.5	11.9	11.0				
10-Aug-08	12.6	13.3	12.0	3-Oct-08	12.3	12.8	11.9				
11-Aug-08	12.0	12.7	11.7	4-Oct-08	12.2	12.6	12.1				
12-Aug-08	12.0	13.1	11.2	5-Oct-08	11.8	12.1	11.0				
13-Aug-08	13.1	13.6	12.5	6-Oct-08	10.8	11.2	10.5				
14-Aug-08	12.8	13.3	12.2	7-Oct-08	10.4	10.8	10.1				
15-Aug-08	12.5	13.2	11.6	8-Oct-08	10.0	10.2	9.7				
16-Aug-08	13.0	13.7	12.1	9-Oct-08	10.2	10.5	9.8				
17-Aug-08	12.9	13.4	12.1	10-Oct-08	10.1	10.4	9.9				
18-Aug-08	12.9	14.4	12.1	11-Oct-08	10.0	10.2	9.8				
19-Aug-08	11.8	12.5	11.5	12-Oct-08	10.2	10.4	9.9				
20-Aug-08	11.1	11.5	10.8	13-Oct-08	9.9	10.4	9.5				
21-Aug-08	11.1	11.6	10.7	14-Oct-08	9.7	9.9	9.4				
22-Aug-08	11.5	11.9	11.0	15-Oct-08	9.9	10.1	9.7				
23-Aug-08	10.9	11.9	10.5	16-Oct-08	9.7	10.1	9.4				
24-Aug-08	10.5	11.0	10.0	17-Oct-08	9.9	10.0	9.7				
25-Aug-08	11.4	11.9	10.8	18-Oct-08	9.5	9.7	9.3				
26-Aug-08	11.1	11.9	10.5	19-Oct-08	9.5	9.7	9.2				
27-Aug-08	11.3	12.5	10.3	20-Oct-08	9.2	9.6	8.8				
28-Aug-08	12.7	14.0	12.0	21-Oct-08	9.1	9.4	8.5				
29-Aug-08	12.8	13.1	12.4	22-Oct-08	9.5	9.8	9.1				
30-Aug-08	12.8	13.2	12.4	23-Oct-08	9.1	9.6	8.9				
31-Aug-08	13.2	13.6	12.8	24-Oct-08	9.0	9.1	8.8				
1-Sep-08	12.8	13.3	12.3	25-Oct-08	8.2	8.9	7.8				
2-Sep-08	12.0	12.4	11.4	26-Oct-08	7.9	8.2	7.6				
3-Sep-08	12.0	12.4	11.4	27-Oct-08	8.5	8.9	8.2				
4-Sep-08	12.1	12.6	11.6	28-Oct-08	9.0	9.1	8.8				
5-Sep-08	12.7	13.0	12.3	29-Oct-08	8.8	8.9	8.5				
6-Sep-08	12.8	13.3	12.5	30-Oct-08	8.1	8.4	7.8				
7-Sep-08	12.6	13.3	12.0								
8-Sep-08	12.7	13.2	12.1								
9-Sep-08	12.4	12.8	11.9								
10-Sep-08	12.1	12.4	11.5								
11-Sep-08	12.0	12.3	11.7								
12-Sep-08	11.7	12.4	11.2								
13-Sep-08	12.0	12.5	11.3								
14-Sep-08	12.5	13.3	12.0								
15-Sep-08	13.0	14.0	12.3								

Appendix D 3: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 3



Appendix D 4: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 4

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
3-Nov-06	7.0	7.0	6.8	25-Dec-06	1.5	1.6	1.5	15-Feb-07	0.0	0.1	0.0
4-Nov-06	6.5	7.0	5.8	26-Dec-06	1.5	1.6	1.4	16-Feb-07	0.1	0.1	0.0
5-Nov-06	5.6	5.9	4.9	27-Dec-06	1.3	1.5	1.2	17-Feb-07	0.1	0.2	0.0
6-Nov-06	5.2	5.5	4.7	28-Dec-06	1.0	1.3	0.9	18-Feb-07	0.0	0.2	-0.1
7-Nov-06	5.5	5.6	5.2	29-Dec-06	1.2	1.2	1.0	19-Feb-07	0.0	0.0	-0.1
8-Nov-06	5.2	5.5	4.6	30-Dec-06	1.2	1.4	1.1	20-Feb-07	0.0	0.0	0.0
9-Nov-06	4.3	4.6	4.1	31-Dec-06	1.3	1.5	1.2	21-Feb-07	0.0	0.0	0.0
10-Nov-06	3.7	4.2	3.1	1-Jan-07	1.7	1.8	1.5	22-Feb-07	0.0	0.0	0.0
11-Nov-06	4.2	4.2	4.0	2-Jan-07	1.7	1.9	1.6	23-Feb-07	0.0	0.0	-0.1
12-Nov-06	3.5	4.1	3.2	3-Jan-07	1.7	1.9	1.4	24-Feb-07	0.0	0.0	-0.1
13-Nov-06	3.6	3.9	3.2	4-Jan-07	1.3	1.4	1.1	25-Feb-07	0.0	0.0	0.0
14-Nov-06	3.3	3.9	2.9	5-Jan-07	1.1	1.2	1.0	26-Feb-07	0.0	0.0	-0.1
15-Nov-06	3.6	4.0	3.2	6-Jan-07	1.0	1.2	0.9	27-Feb-07	0.0	0.0	-0.1
16-Nov-06	3.6	3.8	3.4	7-Jan-07	1.1	1.2	1.0	28-Feb-07	0.0	0.1	0.0
17-Nov-06	3.6	3.8	3.4	8-Jan-07	0.8	1.1	0.6	1-Mar-07	0.0	0.0	-0.1
18-Nov-06	3.6	3.8	3.5	9-Jan-07	0.5	0.9	0.0	2-Mar-07	0.0	0.0	0.0
19-Nov-06	3.8	3.9	3.6	10-Jan-07	0.0	0.0	0.0	3-Mar-07	0.0	0.0	0.0
20-Nov-06	3.5	3.7	3.3	11-Jan-07	0.0	0.0	0.0	4-Mar-07	0.0	0.0	0.0
21-Nov-06	3.0	3.3	2.5	12-Jan-07	0.0	0.0	0.0	5-Mar-07	0.0	0.0	0.0
22-Nov-06	2.1	2.5	1.9	13-Jan-07	0.0	0.0	0.0	6-Mar-07	0.0	0.0	0.0
23-Nov-06	2.1	2.3	1.9	14-Jan-07	0.0	0.0	0.0	7-Mar-07	0.1	0.3	0.0
24-Nov-06	1.8	2.2	1.6	15-Jan-07	0.1	0.4	0.0	8-Mar-07	0.5	0.7	0.1
25-Nov-06	1.3	1.5	1.1	16-Jan-07	0.3	0.4	0.2	9-Mar-07	0.6	0.8	0.4
26-Nov-06	1.0	1.1	0.9	17-Jan-07	0.0	0.2	-0.1	10-Mar-07	0.0	0.4	-0.1
27-Nov-06	1.1	1.2	0.9	18-Jan-07	0.0	0.0	-0.1	11-Mar-07	0.1	0.2	-0.1
28-Nov-06	0.9	1.1	0.8	19-Jan-07	0.1	0.2	0.0	12-Mar-07	0.3	0.5	0.0
29-Nov-06	0.9	1.3	0.8	20-Jan-07	0.1	0.2	0.0	13-Mar-07	0.5	1.0	0.2
30-Nov-06	1.6	1.7	1.3	21-Jan-07	0.1	0.4	0.0	14-Mar-07	0.2	0.6	0.0
1-Dec-06	1.2	1.5	1.0	22-Jan-07	0.4	0.5	0.3	15-Mar-07	0.0	0.1	-0.1
2-Dec-06	1.2	1.7	1.0	23-Jan-07	0.4	0.6	0.3	16-Mar-07	0.1	0.2	0.0
3-Dec-06	1.8	1.9	1.7	24-Jan-07	0.6	0.7	0.6	17-Mar-07	0.1	0.4	-0.1
4-Dec-06	1.9	2.0	1.8	25-Jan-07	0.6	0.8	0.3	18-Mar-07	0.1	0.6	-0.1
5-Dec-06	1.8	2.0	1.7	26-Jan-07	0.0	0.3	-0.1	19-Mar-07	0.1	1.1	-0.1
6-Dec-06	1.9	2.1	1.7	27-Jan-07	0.0	0.3	-0.1	20-Mar-07	0.2	1.0	0.0
7-Dec-06	2.2	2.4	2.0	28-Jan-07	0.0	0.3	-0.1	21-Mar-07	0.1	0.5	-0.1
8-Dec-06	2.6	2.8	2.4	29-Jan-07	0.1	0.3	0.0	22-Mar-07	1.0	1.5	0.5
9-Dec-06	2.4	2.6	2.3	30-Jan-07	0.0	0.0	-0.1	23-Mar-07	1.2	1.7	0.7
10-Dec-06	2.4	2.5	2.3	31-Jan-07	0.0	0.2	-0.1	24-Mar-07	1.3	1.6	0.9
11-Dec-06	2.3	2.5	2.2	1-Feb-07	0.1	0.3	0.0	25-Mar-07	1.5	2.0	1.0
12-Dec-06	2.7	2.8	2.5	2-Feb-07	0.0	0.0	-0.1	26-Mar-07	1.5	1.9	1.1
13-Dec-06	2.3	2.6	2.2	3-Feb-07	0.0	0.0	-0.1	27-Mar-07	1.4	1.9	0.9
14-Dec-06	2.2	2.3	2.2	4-Feb-07	0.0	0.0	0.0	28-Mar-07	1.2	1.7	0.6
15-Dec-06	2.2	2.3	2.1	5-Feb-07	0.0	0.0	0.0	29-Mar-07	1.5	1.9	1.0
16-Dec-06	1.7	2.1	1.4	6-Feb-07	0.0	0.0	-0.1	30-Mar-07	1.5	1.6	1.3
17-Dec-06	1.2	1.4	1.0	7-Feb-07	0.0	0.0	0.0	31-Mar-07	1.1	1.6	0.8
18-Dec-06	1.7	2.4	1.2	8-Feb-07	0.0	0.0	0.0	1-Apr-07	0.5	0.9	0.2
19-Dec-06	2.3	2.5	2.1	9-Feb-07	0.0	0.0	0.0	2-Apr-07	0.2	0.4	-0.1
20-Dec-06	2.0	2.1	1.9	10-Feb-07	0.0	0.0	0.0	3-Apr-07	0.3	0.6	-0.1
21-Dec-06	2.2	2.2	2.0	11-Feb-07	0.0	0.0	-0.1	4-Apr-07	0.5	1.3	0.0
22-Dec-06	2.0	2.2	1.9	12-Feb-07	0.0	0.0	-0.1	5-Apr-07	0.9	1.4	0.4
23-Dec-06	2.0	2.0	1.9	13-Feb-07	0.0	0.0	0.0	6-Apr-07	1.2	1.7	0.7
24-Dec-06	1.7	1.9	1.6	14-Feb-07	0.0	0.0	0.0	7-Apr-07	1.8	2.4	1.2

Appendix D 4: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 4

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
8-Apr-07	2.1	2.5	1.7	30-Mar-07	1.5	1.6	1.3	22-May-07	5.2	5.8	4.7
9-Apr-07	2.1	2.4	1.7	31-Mar-07	1.1	1.6	0.8	23-May-07	5.0	5.5	4.6
10-Apr-07	2.2	2.7	1.7	1-Apr-07	0.5	0.9	0.2	24-May-07	5.7	6.4	5.1
11-Apr-07	2.1	2.7	1.5	2-Apr-07	0.2	0.4	-0.1	25-May-07	6.2	6.7	5.7
12-Apr-07	2.0	2.5	1.6	3-Apr-07	0.3	0.6	-0.1	26-May-07	6.6	7.1	6.2
13-Apr-07	2.0	2.5	1.6	4-Apr-07	0.5	1.3	0.0	27-May-07	6.6	7.0	6.2
14-Apr-07	2.1	2.9	1.7	5-Apr-07	0.9	1.4	0.4	28-May-07	6.5	6.9	5.9
15-Apr-07	2.5	3.4	2.2	6-Apr-07	1.2	1.7	0.7	29-May-07			
16-Apr-07	3.4	3.6	3.0	7-Apr-07	1.8	2.4	1.2	30-May-07	7.6	7.6	7.5
17-Apr-07	3.0	3.5	2.6	8-Apr-07	2.1	2.5	1.7	31-May-07	8.1	9.9	7.0
18-Apr-07	3.5	4.4	2.9	9-Apr-07	2.1	2.4	1.7	1-Jun-07	7.7	8.1	7.3
19-Apr-07	2.9	3.5	2.4	10-Apr-07	2.2	2.7	1.7	2-Jun-07	7.6	7.7	7.5
20-Apr-07	2.4	2.8	2.1	11-Apr-07	2.1	2.7	1.5	3-Jun-07			
21-Apr-07	2.3	2.8	1.9	12-Apr-07	2.0	2.5	1.6	4-Jun-07	9.6	10.1	8.9
22-Apr-07	3.1	3.9	2.5	13-Apr-07	2.0	2.5	1.6	5-Jun-07	9.2	9.8	8.6
23-Apr-07	3.1	3.7	2.4	14-Apr-07	2.1	2.9	1.7	6-Jun-07	8.5	9.1	8.3
24-Apr-07	3.0	3.4	2.8	15-Apr-07	2.5	3.4	2.2	7-Jun-07	8.3	8.3	8.2
25-Apr-07	3.0	3.7	2.4	16-Apr-07	3.4	3.6	3.0	8-Jun-07	8.4	9.2	7.6
26-Apr-07	2.9	3.3	2.6	17-Apr-07	3.0	3.5	2.6	9-Jun-07	9.2	10.0	8.3
27-Apr-07	3.1	3.6	2.5	18-Apr-07	3.5	4.4	2.9	10-Jun-07	9.6	9.8	9.1
28-Apr-07	3.5	4.1	3.0	19-Apr-07	2.9	3.5	2.4	11-Jun-07	8.8	9.5	8.1
29-Apr-07	3.5	4.0	3.0	20-Apr-07	2.4	2.8	2.1	12-Jun-07	9.5	9.8	9.2
30-Apr-07	3.8	4.0	3.5	21-Apr-07	2.3	2.8	1.9	13-Jun-07	9.8	10.4	9.2
1-May-07	3.5	3.9	3.1	22-Apr-07	3.1	3.9	2.5	14-Jun-07	10.1	10.7	9.8
2-May-07	3.3	3.6	3.1	23-Apr-07	3.1	3.7	2.4	15-Jun-07	9.9	10.4	9.5
3-May-07	2.9	3.1	2.7	24-Apr-07	3.0	3.4	2.8	16-Jun-07	9.9	10.3	9.6
4-May-07	3.2	3.5	2.9	25-Apr-07	3.0	3.7	2.4	17-Jun-07	9.7	10.0	9.2
5-May-07	3.6	4.0	3.4	26-Apr-07	2.9	3.3	2.6	18-Jun-07	9.6	10.2	8.9
6-May-07	4.2	5.0	3.7	27-Apr-07	3.1	3.6	2.5	19-Jun-07	8.3	8.8	8.0
7-May-07	4.7	5.1	4.3	28-Apr-07	3.5	4.1	3.0	20-Jun-07	8.0	8.1	7.6
8-May-07	4.5	4.7	4.2	29-Apr-07	3.5	4.0	3.0	21-Jun-07	8.2	9.1	7.7
9-May-07	4.4	4.7	4.2	30-Apr-07	3.8	4.0	3.5	22-Jun-07	9.1	9.7	8.6
10-May-07	4.4	4.8	4.0	1-May-07	3.5	3.9	3.1	23-Jun-07	9.0	9.9	8.4
11-May-07	4.5	4.8	4.2	2-May-07	3.3	3.6	3.1	24-Jun-07	8.8	9.5	8.1
12-May-07	4.6	5.0	4.4	3-May-07	2.9	3.1	2.7	25-Jun-07	9.6	10.2	8.9
13-May-07	4.7	5.2	4.3	4-May-07	3.2	3.5	2.9	26-Jun-07	10.3	11.2	9.4
14-May-07	5.0	5.6	4.5	5-May-07	3.6	4.0	3.4	27-Jun-07	10.6	11.3	10.0
15-May-07	5.2	5.7	4.6	6-May-07	4.2	5.0	3.7	28-Jun-07	10.4	10.9	10.0
16-May-07	5.4	5.6	5.2	7-May-07	4.7	5.1	4.3	29-Jun-07	10.3	10.8	9.7
17-May-07	5.3	5.6	4.9	8-May-07	4.5	4.7	4.2	30-Jun-07	10.3	10.7	9.9
18-May-07	4.7	5.3	4.3	9-May-07	4.4	4.7	4.2	1-Jul-07	10.5	11.3	9.8
19-May-07	4.5	4.9	4.2	10-May-07	4.4	4.8	4.0	2-Jul-07	10.7	11.2	10.0
20-May-07	4.9	5.3	4.7	11-May-07	4.5	4.8	4.2	3-Jul-07	11.4	12.2	10.8
21-May-07	5.2	5.8	4.6	12-May-07	4.6	5.0	4.4	4-Jul-07	11.8	12.4	10.9
22-May-07	5.2	5.8	4.7	13-May-07	4.7	5.2	4.3	5-Jul-07	11.8	12.4	11.2
23-May-07	5.0	5.5	4.6	14-May-07	5.0	5.6	4.5	6-Jul-07	11.5	12.1	10.8
24-May-07	5.7	6.4	5.1	15-May-07	5.2	5.7	4.6	7-Jul-07	11.5	11.9	10.7
25-May-07	6.2	6.7	5.7	16-May-07	5.4	5.6	5.2	8-Jul-07	10.8	11.6	10.3
26-May-07	6.6	7.1	6.2	17-May-07	5.3	5.6	4.9	9-Jul-07	11.1	12.0	10.5
27-May-07	6.6	7.0	6.2	18-May-07	4.7	5.3	4.3	10-Jul-07	11.6	12.3	11.0
28-May-07	6.5	6.9	5.9	19-May-07	4.5	4.9	4.2	11-Jul-07	11.5	12.0	11.0
29-May-07				20-May-07	4.9	5.3	4.7	12-Jul-07	11.9	12.9	11.1

Appendix D 4: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 4

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
13-Jun-07	9.8	10.4	9.2	4-Aug-07	12.4	12.7	12.1	25-Sep-07	11.5	11.9	11.2
14-Jun-07	10.1	10.7	9.8	5-Aug-07	11.9	12.4	11.4	26-Sep-07	11.1	11.6	10.7
15-Jun-07	9.9	10.4	9.5	6-Aug-07	11.9	12.6	11.0	27-Sep-07	11.0	11.4	10.7
16-Jun-07	9.9	10.3	9.6	7-Aug-07	11.8	12.2	11.5	28-Sep-07	11.1	11.4	11.0
17-Jun-07	9.7	10.0	9.2	8-Aug-07	10.7	11.7	10.3	29-Sep-07	10.9	11.0	10.7
18-Jun-07	9.6	10.2	8.9	9-Aug-07	10.7	11.7	10.0	30-Sep-07	10.7	10.9	10.6
19-Jun-07	8.3	8.8	8.0	10-Aug-07	11.6	12.1	11.0	1-Oct-07	10.6	10.8	10.4
20-Jun-07	8.0	8.1	7.6	11-Aug-07	10.3	11.5	9.7	2-Oct-07	10.0	10.3	9.8
21-Jun-07	8.2	9.1	7.7	12-Aug-07	9.3	9.7	8.9	3-Oct-07	9.5	9.9	9.2
22-Jun-07	9.1	9.7	8.6	13-Aug-07	9.2	9.9	8.6	4-Oct-07	9.6	9.7	9.4
23-Jun-07	9.0	9.9	8.4	14-Aug-07	9.6	10.2	8.9	5-Oct-07	10.0	10.3	9.7
24-Jun-07	8.8	9.5	8.1	15-Aug-07	9.9	10.4	9.3	6-Oct-07	10.1	10.2	9.9
25-Jun-07	9.6	10.2	8.9	16-Aug-07	10.4	11.9	9.3	7-Oct-07	9.5	9.9	9.2
26-Jun-07	10.3	11.2	9.4	17-Aug-07	10.9	11.8	10.3	8-Oct-07	9.0	9.4	8.6
27-Jun-07	10.6	11.3	10.0	18-Aug-07	9.7	10.2	9.3	9-Oct-07	9.3	9.6	9.0
28-Jun-07	10.4	10.9	10.0	19-Aug-07	9.3	9.7	9.0	10-Oct-07	9.5	9.6	9.3
29-Jun-07	10.3	10.8	9.7	20-Aug-07	9.3	9.7	9.0	11-Oct-07	9.7	10.0	9.5
30-Jun-07	10.3	10.7	9.9	21-Aug-07	10.0	10.8	9.4	12-Oct-07	9.2	9.7	8.9
1-Jul-07	10.5	11.3	9.8	22-Aug-07	10.7	11.2	10.2	13-Oct-07	8.9	9.1	8.6
2-Jul-07	10.7	11.2	10.0	23-Aug-07	11.4	12.2	10.8	14-Oct-07	9.5	10.1	9.0
3-Jul-07	11.4	12.2	10.8	24-Aug-07	11.6	12.2	11.1	15-Oct-07	10.0	10.1	9.8
4-Jul-07	11.8	12.4	10.9	25-Aug-07	10.6	11.2	10.1	16-Oct-07	10.0	10.2	9.8
5-Jul-07	11.8	12.4	11.2	26-Aug-07	9.7	10.1	9.3	17-Oct-07	9.9	10.0	9.7
6-Jul-07	11.5	12.1	10.8	27-Aug-07	10.1	11.0	9.5	18-Oct-07	9.2	9.6	9.0
7-Jul-07	11.5	11.9	10.7	28-Aug-07	10.2	10.9	9.5	19-Oct-07	9.0	9.2	8.8
8-Jul-07	10.8	11.6	10.3	29-Aug-07	10.1	10.5	9.8	20-Oct-07	8.7	8.9	8.5
9-Jul-07	11.1	12.0	10.5	30-Aug-07	10.2	10.6	9.8	21-Oct-07	8.3	8.4	8.1
10-Jul-07	11.6	12.3	11.0	31-Aug-07	10.4	11.3	9.5	22-Oct-07	8.6	8.6	8.4
11-Jul-07	11.5	12.0	11.0	1-Sep-07	10.4	10.9	9.5	23-Oct-07	8.6	8.7	8.5
12-Jul-07	11.9	12.9	11.1	2-Sep-07	10.1	10.6	9.6	24-Oct-07	8.6	8.8	8.3
13-Jul-07	12.9	13.6	12.3	3-Sep-07	10.5	11.2	9.9	25-Oct-07	8.3	8.5	8.1
14-Jul-07	13.2	13.7	12.6	4-Sep-07	11.0	11.3	10.6	26-Oct-07	8.1	8.3	8.0
15-Jul-07	12.4	13.5	11.9	5-Sep-07	10.8	11.2	10.2	27-Oct-07	8.2	8.4	8.1
16-Jul-07	12.0	12.8	11.4	6-Sep-07	10.3	10.8	9.7	28-Oct-07	8.3	8.3	8.1
17-Jul-07	12.1	12.6	11.5	7-Sep-07	10.8	11.5	10.3	29-Oct-07	8.2	8.4	8.1
18-Jul-07	11.5	12.1	11.0	8-Sep-07	11.7	12.1	11.2	30-Oct-07	8.0	8.1	7.8
19-Jul-07	11.4	11.7	10.9	9-Sep-07	12.3	12.8	11.8	31-Oct-07	8.0	8.2	7.9
20-Jul-07	11.3	11.7	10.8	10-Sep-07	12.9	13.5	12.4	1-Nov-07	7.7	7.9	7.5
21-Jul-07	11.1	11.8	10.4	11-Sep-07	12.5	13.1	12.2	2-Nov-07	7.6	7.7	7.4
22-Jul-07	11.0	11.9	10.1	12-Sep-07	12.4	13.0	11.9	3-Nov-07	7.4	7.6	7.2
23-Jul-07	11.6	11.9	11.2	13-Sep-07	12.5	12.9	12.0	4-Nov-07	7.3	7.4	7.1
24-Jul-07	11.2	11.7	10.8	14-Sep-07	12.2	12.5	11.7	5-Nov-07	6.9	7.1	6.8
25-Jul-07	11.8	12.9	10.9	15-Sep-07	11.8	12.1	11.5	6-Nov-07	7.1	7.1	7.0
26-Jul-07	11.6	12.4	10.7	16-Sep-07	11.9	12.3	11.6	7-Nov-07	7.1	7.2	7.0
27-Jul-07	12.3	13.3	11.6	17-Sep-07	11.6	12.1	11.2	8-Nov-07	6.7	7.1	6.4
28-Jul-07	12.8	13.3	12.2	18-Sep-07	11.3	11.6	11.2	9-Nov-07	6.4	6.5	6.3
29-Jul-07	12.1	12.8	11.6	19-Sep-07	11.3	11.8	10.9	10-Nov-07	6.5	6.6	6.3
30-Jul-07	11.5	12.2	10.9	20-Sep-07	11.9	12.1	11.6	11-Nov-07	6.4	6.5	6.3
31-Jul-07	10.8	11.4	10.4	21-Sep-07	11.4	11.9	11.0	12-Nov-07	6.3	6.3	6.2
1-Aug-07	10.9	12.5	9.9	22-Sep-07	11.2	11.4	11.1	13-Nov-07	6.2	6.3	6.1
2-Aug-07	12.8	13.6	12.1	23-Sep-07	11.5	11.8	11.3	14-Nov-07	6.1	6.2	6.0
3-Aug-07	13.0	13.6	12.5	24-Sep-07	11.3	11.4	11.1	15-Nov-07	6.2	6.3	6.1

Appendix D 4: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 4

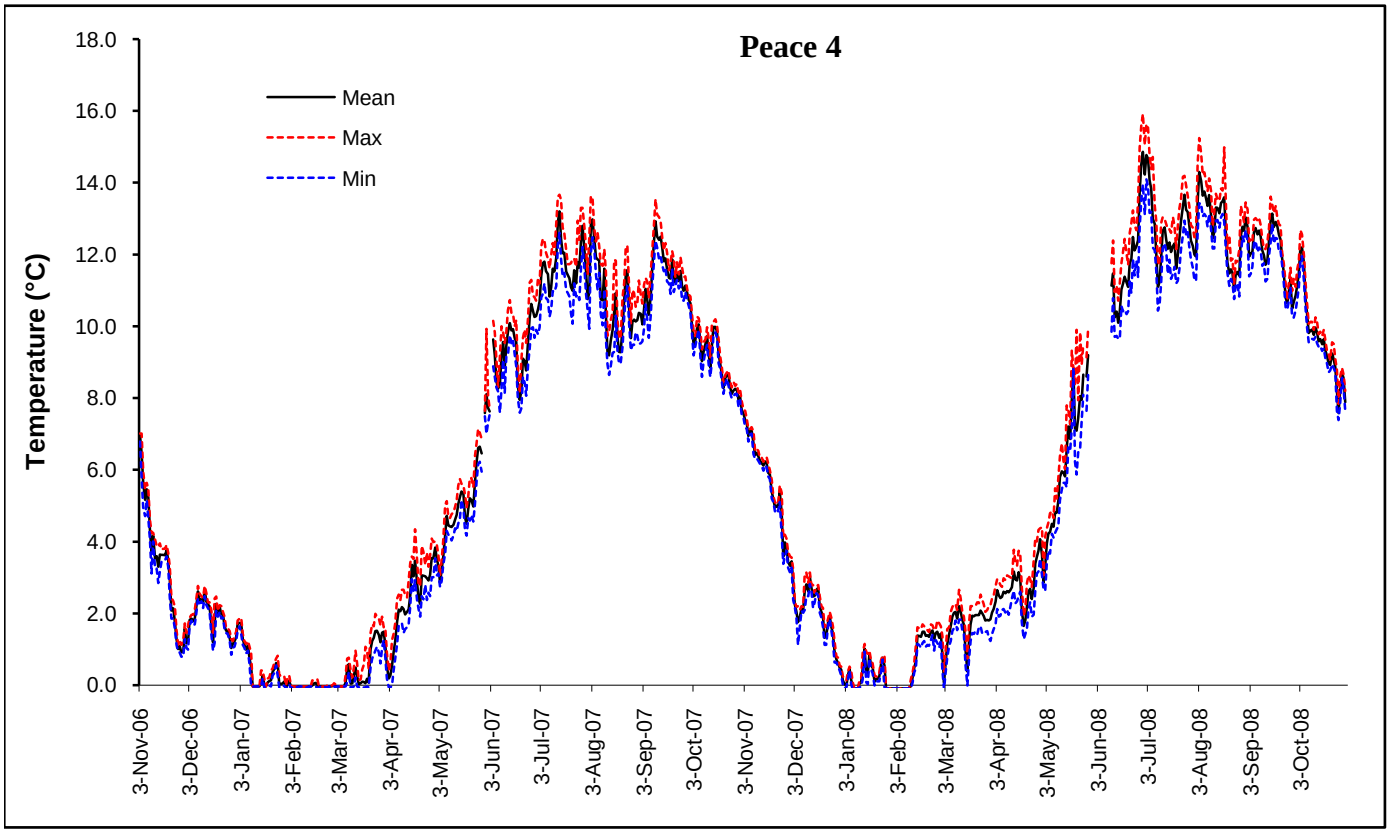
Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
16-Nov-07	6.2	6.4	6.1	9-Jan-08	-0.1	-0.1	-0.1	3-Mar-08	0.6	1.0	0.4
17-Nov-07	5.9	6.2	5.8	10-Jan-08	-0.1	-0.1	-0.1	4-Mar-08	1.1	1.6	0.8
18-Nov-07	5.9	6.0	5.7	11-Jan-08	0.1	0.1	-0.1	5-Mar-08	1.4	1.6	1.1
19-Nov-07	5.4	5.7	5.2	12-Jan-08	0.1	0.2	0.0	6-Mar-08	1.7	2.0	1.2
20-Nov-07	5.2	5.3	5.1	13-Jan-08	0.5	0.9	0.2	7-Mar-08	1.9	2.2	1.5
21-Nov-07	5.0	5.1	4.8	14-Jan-08	1.0	1.2	0.9	8-Mar-08	2.0	2.3	1.6
22-Nov-07	5.0	5.1	4.9	15-Jan-08	0.4	0.9	0.1	9-Mar-08	2.0	2.3	1.8
23-Nov-07	5.0	5.1	4.8	16-Jan-08	0.3	0.9	0.0	10-Mar-08	1.9	2.1	1.5
24-Nov-07	5.4	5.6	5.1	17-Jan-08	0.9	1.0	0.7	11-Mar-08	2.2	2.7	1.8
25-Nov-07	4.8	5.4	4.2	18-Jan-08	0.5	0.7	0.4	12-Mar-08	2.1	2.4	1.8
26-Nov-07	3.6	4.1	3.4	19-Jan-08	0.5	0.6	0.3	13-Mar-08	1.8	2.0	1.5
27-Nov-07	4.0	4.2	3.6	20-Jan-08	0.1	0.3	0.0	14-Mar-08	1.7	1.9	1.4
28-Nov-07	3.9	4.1	3.7	21-Jan-08	0.2	0.2	0.1	15-Mar-08	1.0	1.5	0.6
29-Nov-07	3.4	3.7	3.3	22-Jan-08	0.2	0.2	0.1	16-Mar-08	0.4	0.7	0.0
30-Nov-07	3.3	3.6	3.1	23-Jan-08	0.3	0.4	0.1	17-Mar-08	1.2	1.7	0.7
1-Dec-07	3.5	3.6	3.3	24-Jan-08	0.6	0.7	0.4	18-Mar-08	1.7	2.2	1.2
2-Dec-07	2.9	3.2	2.4	25-Jan-08	0.8	0.8	0.7	19-Mar-08	1.9	2.2	1.5
3-Dec-07	2.2	2.3	2.2	26-Jan-08	0.5	0.8	-0.1	20-Mar-08	1.9	2.2	1.4
4-Dec-07	2.1	2.2	1.9	27-Jan-08	-0.1	-0.1	-0.1	21-Mar-08	2.0	2.2	1.5
5-Dec-07	1.8	2.2	1.1	28-Jan-08	-0.1	-0.1	-0.1	22-Mar-08	2.0	2.3	1.4
6-Dec-07	1.9	2.1	1.7	29-Jan-08	-0.1	-0.1	-0.1	23-Mar-08	2.0	2.3	1.6
7-Dec-07	2.1	2.2	2.1	30-Jan-08	-0.1	-0.1	-0.1	24-Mar-08	2.1	2.5	1.6
8-Dec-07	2.1	2.2	2.0	31-Jan-08	-0.1	-0.1	-0.1	25-Mar-08	2.0	2.4	1.5
9-Dec-07	2.6	3.1	2.1	1-Feb-08	-0.1	-0.1	-0.1	26-Mar-08	1.9	2.3	1.4
10-Dec-07	2.8	3.1	2.5	2-Feb-08	-0.1	-0.1	-0.1	27-Mar-08	1.8	2.0	1.5
11-Dec-07	2.6	2.9	2.5	3-Feb-08	-0.1	-0.1	-0.1	28-Mar-08	1.8	2.1	1.5
12-Dec-07	3.0	3.1	2.8	4-Feb-08	-0.1	-0.1	-0.1	29-Mar-08	1.8	2.2	1.3
13-Dec-07	2.7	2.8	2.6	5-Feb-08	-0.1	-0.1	-0.1	30-Mar-08	1.8	2.2	1.2
14-Dec-07	2.5	2.8	2.2	6-Feb-08	-0.1	-0.1	-0.1	31-Mar-08	2.0	2.4	1.4
15-Dec-07	2.5	2.6	2.3	7-Feb-08	-0.1	-0.1	-0.1	1-Apr-08	2.1	2.5	1.6
16-Dec-07	2.7	2.7	2.6	8-Feb-08	-0.1	-0.1	-0.1	2-Apr-08	2.3	2.8	1.7
17-Dec-07	2.7	2.8	2.5	9-Feb-08	-0.1	-0.1	-0.1	3-Apr-08	2.7	3.0	2.1
18-Dec-07	2.2	2.5	2.0	10-Feb-08	-0.1	-0.1	-0.1	4-Apr-08	2.5	2.9	1.9
19-Dec-07	2.0	2.2	1.9	11-Feb-08	0.0	0.2	-0.1	5-Apr-08	2.4	2.8	1.9
20-Dec-07	1.9	2.2	1.6	12-Feb-08	0.2	0.4	0.1	6-Apr-08	2.5	2.7	2.1
21-Dec-07	1.3	1.6	1.1	13-Feb-08	0.5	0.6	0.4	7-Apr-08	2.6	3.0	2.1
22-Dec-07	1.4	1.7	1.1	14-Feb-08	0.7	1.1	0.5	8-Apr-08	2.6	2.9	2.0
23-Dec-07	1.7	1.9	1.7	15-Feb-08	1.4	1.6	1.2	9-Apr-08	2.6	3.1	2.1
24-Dec-07	1.9	2.0	1.8	16-Feb-08	1.4	1.6	1.1	10-Apr-08	2.6	3.0	2.0
25-Dec-07	1.6	1.9	1.5	17-Feb-08	1.4	1.6	1.0	11-Apr-08	2.7	3.0	2.2
26-Dec-07	1.4	1.6	1.2	18-Feb-08	1.5	1.7	1.2	12-Apr-08	2.7	3.0	2.4
27-Dec-07	0.9	1.2	0.6	19-Feb-08	1.5	1.6	1.2	13-Apr-08	3.2	3.8	2.6
28-Dec-07	0.7	0.8	0.6	20-Feb-08	1.4	1.6	1.1	14-Apr-08	2.9	3.4	2.3
29-Dec-07	0.6	0.8	0.5	21-Feb-08	1.4	1.5	1.1	15-Apr-08	2.9	3.3	2.3
30-Dec-07	0.5	0.6	0.4	22-Feb-08	1.3	1.5	1.1	16-Apr-08	3.1	3.7	2.5
31-Dec-07	0.4	0.5	0.3	23-Feb-08	1.5	1.7	1.3	17-Apr-08	3.0	3.7	2.6
1-Jan-08	0.1	0.2	0.0	24-Feb-08	1.5	1.7	1.4	18-Apr-08	2.1	2.7	1.8
2-Jan-08	0.0	0.2	-0.1	25-Feb-08	1.3	1.5	1.0	19-Apr-08	1.7	1.9	1.3
3-Jan-08	0.0	0.1	-0.1	26-Feb-08	1.5	1.6	1.3	20-Apr-08	1.8	2.2	1.4
4-Jan-08	0.3	0.4	0.2	27-Feb-08	1.5	1.8	1.2	21-Apr-08	2.2	2.9	1.6
5-Jan-08	0.5	0.5	0.4	28-Feb-08	1.3	1.7	1.0	22-Apr-08	2.6	3.1	2.1
6-Jan-08	0.2	0.4	0.0	29-Feb-08	1.4	1.6	1.3	23-Apr-08	2.7	3.0	2.3
7-Jan-08	-0.1	0.1	-0.1	1-Mar-08	0.8	1.4	0.4	24-Apr-08	2.4	2.7	1.9
8-Jan-08	-0.1	-0.1	-0.1	2-Mar-08	0.1	0.4	-0.1	25-Apr-08	2.7	3.5	2.0

Appendix D 4: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 4

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
26-Apr-08	3.4	4.1	2.6	19-Jun-08	11.4	12.4	10.5	12-Aug-08	12.6	13.2	12.2
27-Apr-08	3.6	4.0	3.1	20-Jun-08	11.2	12.0	10.3	13-Aug-08	13.3	13.7	12.9
28-Apr-08	3.7	4.3	3.2	21-Jun-08	11.1	11.7	10.4	14-Aug-08	13.3	13.5	13.0
29-Apr-08	4.1	4.4	3.5	22-Jun-08	11.8	12.6	11.2	15-Aug-08	13.2	13.5	12.8
30-Apr-08	3.6	4.4	3.1	23-Jun-08	11.9	12.9	10.9	16-Aug-08	13.4	13.8	13.0
1-May-08	2.9	3.1	2.7	24-Jun-08	12.5	13.2	11.9	17-Aug-08	13.5	13.8	13.1
2-May-08	3.3	4.1	2.6	25-Jun-08	12.1	12.8	11.4	18-Aug-08	13.6	15.0	12.9
3-May-08	3.9	4.4	3.4	26-Jun-08	12.2	12.7	11.8	19-Aug-08	12.6	13.5	12.2
4-May-08	4.2	4.5	3.7	27-Jun-08	12.4	13.5	11.4	20-Aug-08	11.8	12.1	11.5
5-May-08	4.3	4.8	3.7	28-Jun-08	13.7	15.0	12.8	21-Aug-08	11.5	12.5	11.1
6-May-08	4.5	4.8	4.2	29-Jun-08	14.5	15.6	13.5	22-Aug-08	11.6	11.8	11.3
7-May-08	4.4	4.7	4.1	30-Jun-08	14.9	15.9	14.0	23-Aug-08	11.5	11.9	11.2
8-May-08	4.8	5.5	4.2	1-Jul-08	14.2	15.1	13.1	24-Aug-08	11.0	11.2	10.8
9-May-08	4.8	5.2	4.4	2-Jul-08	14.8	15.6	14.1	25-Aug-08	11.4	11.8	11.2
10-May-08	5.1	5.8	4.4	3-Jul-08	14.7	15.6	13.9	26-Aug-08	11.5	11.8	11.2
11-May-08	5.8	6.4	5.2	4-Jul-08	14.1	14.8	13.2	27-Aug-08	11.4	12.1	10.8
12-May-08	6.0	6.7	5.5	5-Jul-08	13.8	14.4	13.2	28-Aug-08	12.5	13.4	11.9
13-May-08	5.9	6.3	5.6	6-Jul-08	13.0	14.7	12.2	29-Aug-08	12.8	13.1	12.5
14-May-08	5.8	6.0	5.6	7-Jul-08	12.9	13.4	12.1	30-Aug-08	12.7	12.9	12.4
15-May-08	6.6	7.8	5.5	8-Jul-08	12.0	12.9	11.5	31-Aug-08	13.0	13.4	12.7
16-May-08	7.2	7.7	6.6	9-Jul-08	11.1	11.7	10.4	1-Sep-08	12.8	13.3	12.4
17-May-08	6.9	7.3	6.6	10-Jul-08	11.2	11.8	10.6	2-Sep-08	11.9	12.4	11.4
18-May-08	7.9	9.3	7.1	11-Jul-08	11.9	12.9	11.2	3-Sep-08	12.0	12.4	11.5
19-May-08	8.8	8.8	8.8	12-Jul-08	12.7	13.0	12.2	4-Sep-08	12.1	12.4	11.7
20-May-08	7.2	8.4	6.2	13-Jul-08	12.8	13.0	12.3	5-Sep-08	12.6	13.0	12.3
21-May-08	7.1	9.9	5.9	14-Jul-08	12.4	12.8	12.1	6-Sep-08	12.7	13.0	12.4
22-May-08	7.4	7.9	6.5	15-Jul-08	12.2	12.7	11.5	7-Sep-08	12.6	12.9	12.1
23-May-08	8.1	9.8	6.6	16-Jul-08	12.3	12.7	11.9	8-Sep-08	12.7	13.0	12.2
24-May-08	7.9	8.9	7.4	17-Jul-08	12.1	12.6	11.3	9-Sep-08	12.5	12.8	12.1
25-May-08	8.7	9.5	8.1	18-Jul-08	12.2	13.0	11.5	10-Sep-08	12.1	12.4	11.7
26-May-08				19-Jul-08	12.3	12.8	11.7	11-Sep-08	12.0	12.2	11.8
27-May-08	8.6	9.1	7.6	20-Jul-08	11.6	12.1	11.2	12-Sep-08	11.7	12.1	11.2
28-May-08	9.2	9.9	8.6	21-Jul-08	12.0	12.8	11.3	13-Sep-08	11.9	12.4	11.3
29-May-08				22-Jul-08	12.4	13.3	11.6	14-Sep-08	12.4	12.8	12.0
30-May-08				23-Jul-08	12.9	13.5	12.1	15-Sep-08	12.9	13.6	12.3
31-May-08				24-Jul-08	13.3	14.2	12.5	16-Sep-08	13.1	13.4	12.8
1-Jun-08				25-Jul-08	13.7	14.2	12.9	17-Sep-08	12.8	13.2	12.3
2-Jun-08				26-Jul-08	13.2	13.9	12.6	18-Sep-08	12.9	13.4	12.5
3-Jun-08				27-Jul-08	13.2	13.6	12.7	19-Sep-08	12.8	13.0	12.4
4-Jun-08				28-Jul-08	12.8	13.4	12.2	20-Sep-08	12.6	12.8	12.1
5-Jun-08				29-Jul-08	12.4	12.8	11.9	21-Sep-08	12.4	12.8	12.1
6-Jun-08				30-Jul-08	12.2	12.8	11.6	22-Sep-08	11.9	12.1	11.7
7-Jun-08				31-Jul-08	12.0	12.5	11.3	23-Sep-08	11.5	11.8	11.2
8-Jun-08				1-Aug-08	11.9	12.6	11.3	24-Sep-08	10.8	11.2	10.5
9-Jun-08				2-Aug-08	13.5	14.5	12.6	25-Sep-08	10.6	10.7	10.5
10-Jun-08				3-Aug-08	14.3	15.2	13.4	26-Sep-08	10.9	11.2	10.7
11-Jun-08	11.1	11.8	9.9	4-Aug-08	14.0	14.8	13.4	27-Sep-08	11.3	11.6	11.1
12-Jun-08	11.5	12.4	10.8	5-Aug-08	13.6	14.2	13.1	28-Sep-08	10.5	11.0	10.3
13-Jun-08	10.3	11.0	9.7	6-Aug-08	13.8	14.3	13.1	29-Sep-08	10.7	11.3	10.2
14-Jun-08	10.4	11.1	9.7	7-Aug-08	13.6	14.1	13.1	30-Sep-08	10.9	11.1	10.4
15-Jun-08	10.1	10.7	9.7	8-Aug-08	13.4	13.8	12.8	1-Oct-08	11.1	11.6	10.7
16-Jun-08	10.4	11.2	9.7	9-Aug-08	13.7	14.1	13.1	2-Oct-08	11.5	11.8	11.1
17-Jun-08	11.0	11.8	10.6	10-Aug-08	13.1	13.8	12.7	3-Oct-08	12.2	12.7	11.8
18-Jun-08	11.2	12.1	10.4	11-Aug-08	12.5	12.8	12.2	4-Oct-08	12.2	12.6	12.0

Appendix D 4: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 4

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
5-Oct-08	11.8	12.0	11.3	14-Oct-08	9.6	9.8	9.4	23-Oct-08	9.1	9.5	8.8
6-Oct-08	10.8	11.2	10.5	15-Oct-08	9.6	9.9	9.5	24-Oct-08	8.9	9.1	8.7
7-Oct-08	10.3	10.6	10.0	16-Oct-08	9.5	9.7	9.3	25-Oct-08	8.2	8.8	7.6
8-Oct-08	9.8	10.1	9.6	17-Oct-08	9.6	9.9	9.4	26-Oct-08	7.6	7.8	7.4
9-Oct-08	9.9	10.1	9.6	18-Oct-08	9.3	9.6	9.1	27-Oct-08	8.2	8.6	7.8
10-Oct-08	9.9	10.1	9.7	19-Oct-08	9.2	9.3	9.0	28-Oct-08	8.7	8.8	8.6
11-Oct-08	9.8	9.9	9.6	20-Oct-08	9.0	9.2	8.7	29-Oct-08	8.6	8.6	8.2
12-Oct-08	10.0	10.2	9.7	21-Oct-08	8.9	9.1	8.8	30-Oct-08	7.9	8.2	7.6
13-Oct-08	9.8	10.1	9.5	22-Oct-08	9.2	9.6	8.9				



Appendix D 5: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 5

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
4-Nov-06	5.2	5.6	4.7	25-Dec-06	0.8	1.1	0.6	14-Feb-07	-0.1	-0.1	-0.1
5-Nov-06	4.1	5.2	3.5	26-Dec-06	0.8	1.2	0.6	15-Feb-07	-0.1	-0.1	-0.1
6-Nov-06	3.3	4.1	2.7	27-Dec-06	0.8	1.0	0.4	16-Feb-07	-0.1	-0.1	-0.1
7-Nov-06	3.5	4.4	2.5	28-Dec-06	0.3	0.6	-0.1	17-Feb-07	-0.1	-0.1	-0.1
8-Nov-06	3.6	4.2	3.0	29-Dec-06	0.2	0.4	-0.1	18-Feb-07	-0.1	-0.1	-0.1
9-Nov-06	2.7	3.1	2.2	30-Dec-06	0.6	0.9	0.4	19-Feb-07	-0.1	-0.1	-0.1
10-Nov-06	1.9	2.5	1.0	31-Dec-06	0.9	1.2	0.7	20-Feb-07	-0.1	-0.1	-0.1
11-Nov-06	2.2	3.2	1.5	1-Jan-07	1.3	1.5	0.9	21-Feb-07	-0.1	-0.1	-0.1
12-Nov-06	2.2	2.7	1.6	2-Jan-07	1.4	1.5	1.3	22-Feb-07	-0.1	-0.1	-0.1
13-Nov-06	1.7	2.4	1.0	3-Jan-07	1.5	1.8	1.0	23-Feb-07	-0.1	-0.1	-0.1
14-Nov-06	1.6	2.0	1.2	4-Jan-07	0.8	1.1	0.4	24-Feb-07	-0.1	-0.1	-0.1
15-Nov-06	1.6	2.1	0.9	5-Jan-07	0.6	0.8	0.4	25-Feb-07	-0.1	-0.1	-0.1
16-Nov-06	1.8	2.5	0.9	6-Jan-07	0.5	0.8	0.3	26-Feb-07	-0.1	-0.1	-0.1
17-Nov-06	2.1	2.5	1.7	7-Jan-07	0.4	0.7	0.1	27-Feb-07	-0.1	-0.1	-0.1
18-Nov-06	2.1	2.5	1.8	8-Jan-07	0.3	0.5	0.1	28-Feb-07	-0.1	0.0	-0.1
19-Nov-06	2.2	2.7	1.8	9-Jan-07	0.0	0.2	-0.1	1-Mar-07	-0.1	0.0	-0.1
20-Nov-06	2.6	2.9	2.2	10-Jan-07	-0.1	-0.1	-0.1	2-Mar-07	-0.1	-0.1	-0.1
21-Nov-06	1.7	2.2	1.3	11-Jan-07	-0.1	-0.1	-0.1	3-Mar-07	-0.1	-0.1	-0.1
22-Nov-06	0.8	1.3	0.2	12-Jan-07	-0.1	-0.1	-0.1	4-Mar-07	-0.1	-0.1	-0.1
23-Nov-06	0.5	0.8	0.2	13-Jan-07	-0.1	-0.1	-0.1	5-Mar-07	-0.1	0.0	-0.1
24-Nov-06	0.2	0.6	0.0	14-Jan-07	-0.1	-0.1	-0.1	6-Mar-07	-0.1	-0.1	-0.1
25-Nov-06	0.0	0.1	-0.1	15-Jan-07	-0.1	-0.1	-0.1	7-Mar-07	-0.1	0.0	-0.1
26-Nov-06	-0.1	0.0	-0.1	16-Jan-07	0.0	0.1	-0.1	8-Mar-07	0.1	0.3	-0.1
27-Nov-06	-0.1	0.0	-0.1	17-Jan-07	-0.1	0.0	-0.1	9-Mar-07	0.4	0.6	0.2
28-Nov-06	-0.1	0.0	-0.1	18-Jan-07	-0.1	-0.1	-0.1	10-Mar-07	0.0	0.3	-0.1
29-Nov-06	-0.1	-0.1	-0.1	19-Jan-07	-0.1	-0.1	-0.1	11-Mar-07	-0.1	0.0	-0.1
30-Nov-06	0.1	0.5	-0.1	20-Jan-07	-0.1	-0.1	-0.1	12-Mar-07	0.1	0.4	-0.1
1-Dec-06	0.2	0.6	0.0	21-Jan-07	-0.1	-0.1	-0.1	13-Mar-07	0.4	0.8	0.0
2-Dec-06	0.0	0.3	0.0	22-Jan-07	0.1	0.3	-0.1	14-Mar-07	0.1	0.4	-0.1
3-Dec-06	0.6	0.9	0.1	23-Jan-07	0.2	0.4	0.1	15-Mar-07	-0.1	0.1	-0.1
4-Dec-06	0.9	1.2	0.6	24-Jan-07	0.3	0.6	0.2	16-Mar-07	-0.1	0.0	-0.1
5-Dec-06	1.2	1.5	0.9	25-Jan-07	0.3	0.5	0.1	17-Mar-07	0.0	0.1	-0.1
6-Dec-06	0.9	1.1	0.8	26-Jan-07	-0.1	0.1	-0.1	18-Mar-07	0.0	0.2	-0.1
7-Dec-06	1.4	1.7	1.0	27-Jan-07	-0.1	0.0	-0.1	19-Mar-07	-0.1	-0.1	-0.1
8-Dec-06	2.0	2.4	1.7	28-Jan-07	-0.1	-0.1	-0.1	20-Mar-07	0.0	0.2	-0.1
9-Dec-06	1.8	2.1	1.6	29-Jan-07	-0.1	-0.1	-0.1	21-Mar-07	-0.1	0.0	-0.1
10-Dec-06	1.8	2.0	1.7	30-Jan-07	-0.1	0.0	-0.1	22-Mar-07	0.2	0.6	-0.1
11-Dec-06	1.6	1.9	1.4	31-Jan-07	-0.1	-0.1	-0.1	23-Mar-07	1.1	1.8	0.5
12-Dec-06	2.1	2.3	1.8	1-Feb-07	-0.1	-0.1	-0.1	24-Mar-07	1.5	2.2	0.9
13-Dec-06	1.8	2.0	1.7	2-Feb-07	-0.1	-0.1	-0.1	25-Mar-07	1.8	2.9	1.0
14-Dec-06	1.7	2.0	1.5	3-Feb-07	-0.1	-0.1	-0.1	26-Mar-07	2.0	3.4	0.9
15-Dec-06	1.6	1.8	1.2	4-Feb-07	-0.1	-0.1	-0.1	27-Mar-07	1.4	1.9	0.8
16-Dec-06	1.0	1.4	0.3	5-Feb-07	-0.1	-0.1	-0.1	28-Mar-07	1.2	1.8	0.6
17-Dec-06	0.1	0.4	-0.1	6-Feb-07	-0.1	-0.1	-0.1	29-Mar-07	1.4	2.0	0.7
18-Dec-06	0.3	0.8	0.0	7-Feb-07	-0.1	-0.1	-0.1	30-Mar-07	1.8	2.5	1.2
19-Dec-06	1.8	2.1	0.8	8-Feb-07	-0.1	-0.1	-0.1	31-Mar-07	1.4	2.3	0.7
20-Dec-06	1.6	1.9	1.3	9-Feb-07	-0.1	-0.1	-0.1	1-Apr-07	0.6	1.4	-0.1
21-Dec-06	1.6	1.8	1.3	10-Feb-07	-0.1	-0.1	-0.1	2-Apr-07	0.2	0.9	-0.1
22-Dec-06	1.5	1.7	1.5	11-Feb-07	-0.1	-0.1	-0.1	3-Apr-07	0.1	0.5	-0.1
23-Dec-06	1.5	1.6	1.4	12-Feb-07	-0.1	-0.1	-0.1	4-Apr-07	0.4	1.2	-0.1
24-Dec-06	1.3	1.5	1.1	13-Feb-07	-0.1	-0.1	-0.1	5-Apr-07	0.6	1.3	0.0

Appendix D 5: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 5

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
6-Apr-07	1.1	2.0	0.3	27-May-07	9.2	9.6	8.7	17-Jun-07	11.8	12.6	11.1
7-Apr-07	1.8	3.1	0.8	28-May-07	8.6	9.0	8.2	18-Jun-07	11.5	12.0	11.2
8-Apr-07	2.2	2.9	1.6	29-May-07	8.4	9.3	7.5	19-Jun-07	10.5	11.0	10.1
9-Apr-07	2.1	2.4	1.6	30-May-07	9.4	10.5	8.5	20-Jun-07	10.0	10.3	9.7
10-Apr-07	2.0	2.7	1.5	31-May-07	9.7	10.5	8.9	21-Jun-07	10.3	11.2	9.7
11-Apr-07	2.5	4.0	1.4	1-Jun-07	9.6	10.0	9.3	22-Jun-07	10.9	12.0	9.9
12-Apr-07	2.2	3.8	1.5	2-Jun-07	9.8	10.8	9.0	23-Jun-07	11.0	11.3	10.5
13-Apr-07	2.4	3.4	1.7	3-Jun-07	11.1	11.8	10.5	24-Jun-07	10.9	12.3	9.7
14-Apr-07	2.7	4.0	2.0	4-Jun-07	11.5	11.8	11.2	25-Jun-07	12.0	12.8	11.3
15-Apr-07	3.0	4.8	1.4	5-Jun-07	10.5	11.1	9.9	26-Jun-07	12.3	13.0	11.5
16-Apr-07	0.9	1.5	0.3	6-Jun-07	9.6	10.2	9.1	27-Jun-07	12.9	13.4	12.6
17-Apr-07	1.7	2.3	1.3	7-Jun-07	9.5	9.9	9.2	28-Jun-07	12.8	13.0	12.6
18-Apr-07	2.4	3.5	1.7	8-Jun-07	9.3	10.1	8.8	29-Jun-07	12.3	12.8	11.7
19-Apr-07	2.8	3.4	2.3	9-Jun-07	10.5	11.2	9.8	30-Jun-07	12.3	12.6	12.1
20-Apr-07	2.7	2.9	2.4	10-Jun-07	11.2	11.7	10.8	1-Jul-07	12.7	13.5	12.0
21-Apr-07	2.2	2.4	1.9	11-Jun-07	10.6	11.2	10.1	2-Jul-07	13.6	14.2	13.1
22-Apr-07	2.9	4.1	2.0	12-Jun-07	10.8	11.7	10.2	3-Jul-07	13.4	13.8	12.9
23-Apr-07	3.6	4.4	2.9	13-Jun-07	11.2	12.3	10.0	4-Jul-07	13.5	14.1	13.0
24-Apr-07	4.0	4.7	3.5	14-Jun-07	11.9	12.7	11.0	5-Jul-07	14.2	14.8	13.7
25-Apr-07	3.9	4.8	3.2	15-Jun-07	11.8	12.8	10.8	6-Jul-07	14.2	14.7	13.5
26-Apr-07	3.7	4.1	3.2	16-Jun-07	12.0	12.9	11.2	7-Jul-07	14.4	15.0	13.7
27-Apr-07	4.0	4.7	3.3	17-Jun-07	11.8	12.6	11.1	8-Jul-07	13.7	14.3	13.0
28-Apr-07	4.6	5.3	4.0	18-Jun-07	11.5	12.0	11.2	9-Jul-07	13.3	14.3	12.7
29-Apr-07	4.7	5.3	4.1	19-Jun-07	10.5	11.0	10.1	10-Jul-07	14.2	15.1	13.4
30-Apr-07	5.0	6.1	4.0	20-Jun-07	10.0	10.3	9.7	11-Jul-07	14.4	15.2	13.7
1-May-07	4.9	5.7	4.1	21-Jun-07	10.3	11.2	9.7	12-Jul-07	14.8	15.8	13.7
2-May-07	5.1	5.7	4.5	22-Jun-07	10.9	12.0	9.9	13-Jul-07	16.0	17.7	14.6
3-May-07	5.0	5.3	4.8	23-Jun-07	11.0	11.3	10.5	14-Jul-07	16.5	17.3	15.8
4-May-07	4.9	5.2	4.6	24-Jun-07	10.9	12.3	9.7	15-Jul-07	15.5	16.1	14.8
5-May-07	4.8	5.1	4.6	25-Jun-07	12.0	12.8	11.3	16-Jul-07	14.7	15.5	13.8
6-May-07	4.7	5.2	4.2	26-Jun-07	12.3	13.0	11.5	17-Jul-07	14.8	15.5	14.1
7-May-07	4.9	5.3	4.5	27-Jun-07	12.9	13.4	12.6	18-Jul-07	14.4	15.0	13.9
8-May-07	5.1	5.5	4.8	28-Jun-07	12.8	13.0	12.6	19-Jul-07	13.7	14.0	13.4
9-May-07	5.7	6.3	5.3	29-Jun-07	12.3	12.8	11.7	20-Jul-07	13.8	14.7	12.9
10-May-07	5.9	6.4	5.4	30-Jun-07	12.3	12.6	12.1	21-Jul-07	13.6	14.5	12.7
11-May-07	6.2	6.9	5.5	1-Jul-07	12.7	13.5	12.0	22-Jul-07	13.6	14.4	12.8
12-May-07	6.6	7.2	6.1	2-Jul-07	13.6	14.2	13.1	23-Jul-07	13.6	14.3	12.9
13-May-07	6.8	7.7	5.9	3-Jul-07	13.4	13.8	12.9	24-Jul-07	12.9	13.4	12.5
14-May-07	7.3	8.2	6.4	4-Jul-07	13.5	14.1	13.0	25-Jul-07	13.3	14.9	12.0
15-May-07	7.9	8.8	7.0	5-Jul-07	14.2	14.8	13.7	26-Jul-07	13.9	14.9	13.2
16-May-07	8.3	9.0	7.7	6-Jul-07	14.2	14.7	13.5	27-Jul-07	13.8	14.9	12.8
17-May-07	8.3	8.8	7.7	7-Jul-07	14.4	15.0	13.7	28-Jul-07	14.3	15.3	13.6
18-May-07	7.2	8.0	6.6	8-Jul-07	13.7	14.3	13.0	29-Jul-07	14.3	15.1	13.7
19-May-07	6.7	7.4	6.3	9-Jul-07	13.3	14.3	12.7	30-Jul-07	13.3	14.4	12.7
20-May-07	6.9	7.6	6.4	10-Jul-07	14.2	15.1	13.4	31-Jul-07	12.4	12.9	11.9
21-May-07	7.3	8.0	6.4	11-Jul-07	14.4	15.2	13.7	1-Aug-07	12.2	13.7	11.0
22-May-07	7.2	7.6	6.7	12-Jul-07	14.8	15.8	13.7	2-Aug-07	13.7	15.4	12.2
23-May-07	6.5	7.1	5.9	13-Jul-07	16.0	17.7	14.6	3-Aug-07	14.3	15.1	13.9
24-May-07	7.3	8.5	6.2	14-Jul-07	16.5	17.3	15.8	4-Aug-07	13.9	14.6	13.3
25-May-07	8.3	9.5	7.2	15-Jul-07	15.5	16.1	14.8	5-Aug-07	13.6	14.7	12.8
26-May-07	8.9	9.7	8.1	16-Jul-07	14.7	15.5	13.8	6-Aug-07	13.6	15.2	11.3

Appendix D 5: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 5

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
7-Aug-07	14.0	15.5	13.1	30-Sep-07	10.2	10.6	9.8	23-Nov-07	4.1	4.3	3.8
8-Aug-07	12.7	13.3	12.0	1-Oct-07	10.5	11.1	10.1	24-Nov-07	4.6	5.0	4.1
9-Aug-07	12.3	14.4	11.2	2-Oct-07	10.0	10.6	9.5	25-Nov-07	4.3	4.9	3.4
10-Aug-07				3-Oct-07	9.2	9.7	8.7	26-Nov-07	2.3	3.2	1.5
11-Aug-07				4-Oct-07	8.7	9.1	8.4	27-Nov-07	2.6	3.0	1.8
12-Aug-07				5-Oct-07	9.0	9.8	8.5	28-Nov-07	2.7	3.0	2.3
13-Aug-07				6-Oct-07	9.4	10.1	8.8	29-Nov-07	2.2	2.3	2.0
14-Aug-07				7-Oct-07	9.2	9.5	8.7	30-Nov-07	1.9	2.1	1.6
15-Aug-07	11.7	12.0	11.3	8-Oct-07	8.6	9.1	8.0	1-Dec-07	2.3	2.5	2.1
16-Aug-07	11.4	12.3	10.5	9-Oct-07	8.3	8.7	8.0	2-Dec-07	1.8	2.1	1.6
17-Aug-07	12.3	13.1	11.6	10-Oct-07	8.8	9.2	8.6	3-Dec-07	1.1	1.5	0.8
18-Aug-07	11.0	11.7	10.5	11-Oct-07	9.0	9.8	8.6	4-Dec-07	0.7	0.9	0.3
19-Aug-07	10.7	11.2	10.3	12-Oct-07	8.7	9.3	8.2	5-Dec-07	0.5	0.9	0.2
20-Aug-07	10.1	10.5	9.8	13-Oct-07	8.1	8.5	7.7	6-Dec-07	0.3	0.7	-0.1
21-Aug-07	10.6	11.2	10.1	14-Oct-07	8.5	9.0	8.1	7-Dec-07	0.9	1.2	0.7
22-Aug-07	11.8	13.1	11.1	15-Oct-07	9.2	9.8	8.8	8-Dec-07	0.9	1.1	0.8
23-Aug-07	12.1	13.2	11.4	16-Oct-07	9.6	9.9	9.3	9-Dec-07	1.4	2.3	0.8
24-Aug-07	12.7	13.5	12.2	17-Oct-07	9.5	10.0	9.1	10-Dec-07	2.4	2.6	1.9
25-Aug-07	12.2	12.7	11.7	18-Oct-07	8.7	9.2	8.3	11-Dec-07	1.7	1.9	1.6
26-Aug-07	11.3	11.8	10.8	19-Oct-07	8.3	8.8	8.1	12-Dec-07	2.4	2.9	1.6
27-Aug-07	12.0	13.6	10.7	20-Oct-07	8.1	8.7	7.9	13-Dec-07	2.0	2.4	1.4
28-Aug-07	11.3	12.3	10.7	21-Oct-07	7.4	7.7	7.1	14-Dec-07	1.6	1.9	1.2
29-Aug-07	10.9	11.2	10.7	22-Oct-07	7.7	8.0	7.3	15-Dec-07	1.7	1.9	1.3
30-Aug-07	11.0	11.4	10.7	23-Oct-07	7.9	8.1	7.8	16-Dec-07	1.9	2.0	1.6
31-Aug-07	11.5	12.4	10.8	24-Oct-07	7.9	8.3	7.6	17-Dec-07	2.2	2.4	1.9
1-Sep-07	11.9	12.8	11.2	25-Oct-07	7.4	7.8	7.1	18-Dec-07	1.4	1.8	1.2
2-Sep-07	11.9	12.8	11.2	26-Oct-07	7.2	7.6	6.8	19-Dec-07	1.2	1.4	1.2
3-Sep-07	11.9	13.0	11.2	27-Oct-07	7.2	7.7	7.0	20-Dec-07	1.0	1.3	0.8
4-Sep-07	12.3	13.0	11.8	28-Oct-07	7.3	7.7	6.8	21-Dec-07	0.5	0.9	0.1
5-Sep-07	11.9	12.4	11.3	29-Oct-07	7.4	7.8	7.2	22-Dec-07	0.2	0.5	-0.1
6-Sep-07	11.8	12.9	11.1	30-Oct-07	7.2	7.4	6.9	23-Dec-07	0.8	1.1	0.4
7-Sep-07	11.4	12.5	10.6	31-Oct-07	7.2	7.6	6.9	24-Dec-07	1.5	1.8	1.0
8-Sep-07	12.2	13.5	11.3	1-Nov-07	7.0	7.3	6.6	25-Dec-07	1.3	1.6	1.0
9-Sep-07	12.7	14.0	11.7	2-Nov-07	6.7	7.0	6.4	26-Dec-07	1.0	1.3	0.8
10-Sep-07	13.5	14.9	12.3	3-Nov-07	6.7	6.9	6.2	27-Dec-07	0.4	0.8	0.1
11-Sep-07	13.3	13.6	12.7	4-Nov-07	6.4	6.9	6.1	28-Dec-07	0.2	0.3	0.1
12-Sep-07	12.7	13.6	11.8	5-Nov-07	5.9	6.1	5.7	29-Dec-07	0.2	0.4	0.1
13-Sep-07	12.9	14.1	12.0	6-Nov-07	6.3	6.9	5.9	30-Dec-07	-0.1	0.0	-0.1
14-Sep-07	12.8	13.8	11.9	7-Nov-07	6.3	6.6	6.0	31-Dec-07	-0.1	-0.1	-0.1
15-Sep-07	12.3	12.8	11.8	8-Nov-07	6.0	6.4	5.5	1-Jan-08	-0.1	-0.1	-0.1
16-Sep-07	12.1	12.7	11.8	9-Nov-07	5.4	5.7	5.2	2-Jan-08	-0.1	-0.1	-0.1
17-Sep-07	11.6	12.5	10.6	10-Nov-07	5.6	5.8	5.5	3-Jan-08	-0.1	-0.1	-0.1
18-Sep-07	10.9	11.2	10.5	11-Nov-07	5.7	6.0	5.4	4-Jan-08	-0.1	-0.1	-0.1
19-Sep-07	10.6	11.5	9.7	12-Nov-07	5.5	5.7	5.3	5-Jan-08	0.0	0.1	-0.1
20-Sep-07	11.2	11.8	10.6	13-Nov-07	5.5	5.8	5.2	6-Jan-08	-0.1	0.0	-0.1
21-Sep-07	11.3	12.3	10.7	14-Nov-07	5.3	5.6	5.0	7-Jan-08	-0.1	-0.1	-0.1
22-Sep-07	10.7	11.1	10.4	15-Nov-07	5.4	5.7	5.3	8-Jan-08	-0.1	-0.1	-0.1
23-Sep-07	10.6	11.3	10.2	16-Nov-07	5.5	5.7	5.3	9-Jan-08	-0.1	-0.1	-0.1
24-Sep-07	10.3	10.7	9.9	17-Nov-07	5.2	5.4	4.9	10-Jan-08	-0.1	-0.1	-0.1
25-Sep-07	11.0	12.1	10.3	18-Nov-07	5.1	5.4	4.9	11-Jan-08	-0.1	-0.1	-0.1
26-Sep-07	11.2	12.0	10.8	19-Nov-07	4.6	4.9	4.3	12-Jan-08	-0.1	-0.1	-0.1
27-Sep-07	10.4	10.8	10.1	20-Nov-07	4.3	4.6	3.9	13-Jan-08	-0.1	0.0	-0.1
28-Sep-07	10.5	11.2	10.0	21-Nov-07	3.9	4.1	3.7	14-Jan-08	0.3	0.5	0.0
29-Sep-07	10.1	10.8	9.8	22-Nov-07	3.9	4.3	3.6	15-Jan-08	0.1	0.4	-0.1

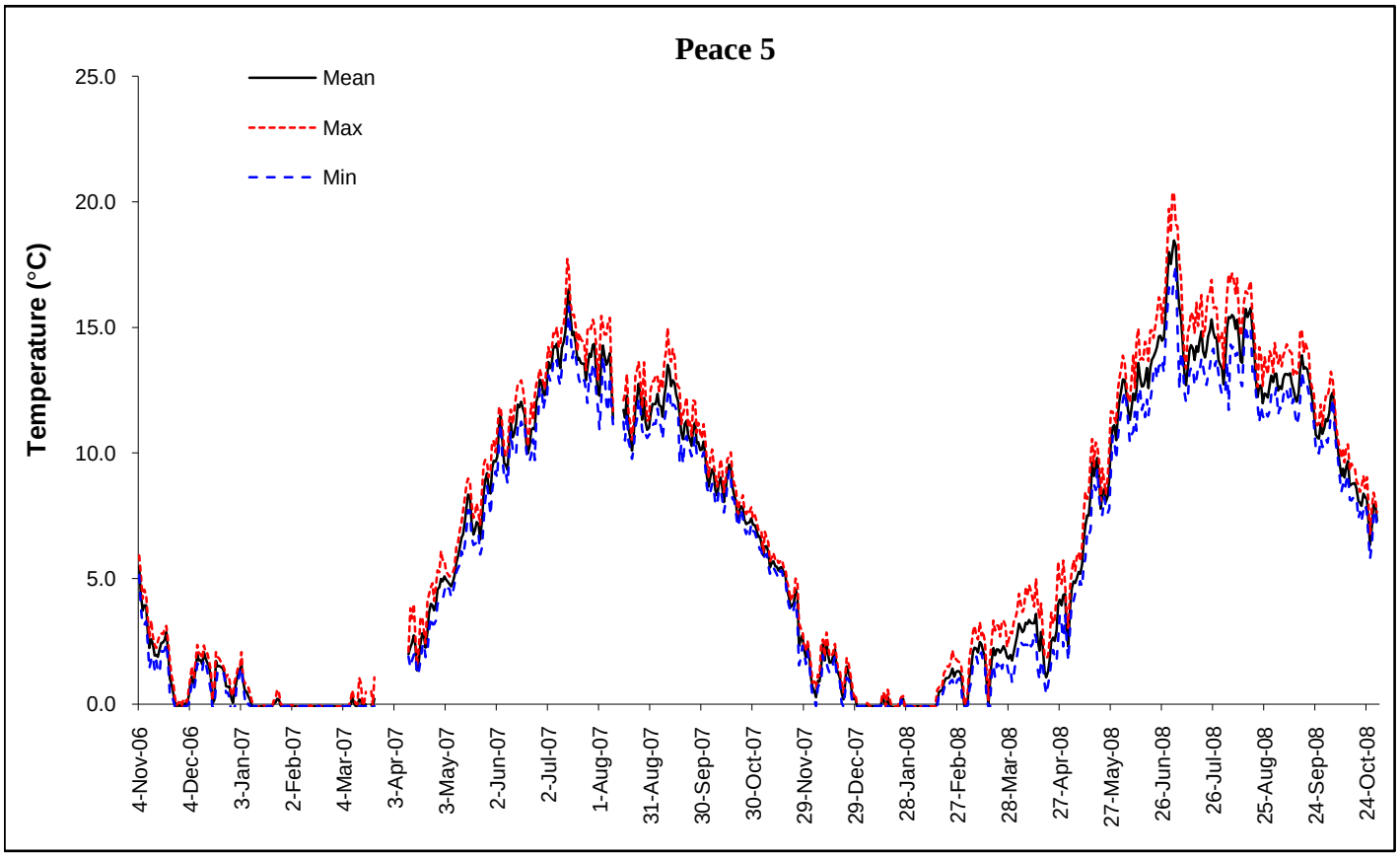
Appendix D 5: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 5

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
16-Jan-08	-0.1	-0.1	-0.1	10-Mar-08	2.1	2.6	1.6	3-May-08	3.9	4.7	3.1
17-Jan-08	0.3	0.6	-0.1	11-Mar-08	2.5	3.3	2.0	4-May-08	4.6	5.3	4.0
18-Jan-08	0.0	0.3	-0.1	12-Mar-08	2.4	2.7	2.0	5-May-08	4.9	5.7	4.1
19-Jan-08	-0.1	0.0	-0.2	13-Mar-08	2.1	2.9	1.7	6-May-08	4.8	5.3	4.4
20-Jan-08	-0.1	-0.1	-0.2	14-Mar-08	1.9	2.5	1.5	7-May-08	5.0	5.9	4.5
21-Jan-08	-0.1	-0.1	-0.1	15-Mar-08	1.0	1.4	0.2	8-May-08	5.3	6.1	4.6
22-Jan-08	-0.1	-0.1	-0.1	16-Mar-08	0.0	0.2	-0.1	9-May-08	5.2	5.7	4.9
23-Jan-08	-0.1	-0.1	-0.1	17-Mar-08	0.8	1.8	-0.1	10-May-08	5.6	6.3	4.7
24-Jan-08	0.0	0.1	-0.1	18-Mar-08	1.7	2.5	1.1	11-May-08	6.5	7.6	5.5
25-Jan-08	0.2	0.3	0.2	19-Mar-08	2.2	3.3	1.6	12-May-08	7.1	8.4	5.8
26-Jan-08	0.2	0.3	-0.2	20-Mar-08	2.0	2.9	1.1	13-May-08	7.5	8.2	6.8
27-Jan-08	-0.1	-0.1	-0.1	21-Mar-08	2.2	3.1	1.6	14-May-08	7.5	8.4	6.7
28-Jan-08	-0.1	0.0	-0.1	22-Mar-08	2.2	3.1	1.5	15-May-08	8.4	9.9	7.0
29-Jan-08	-0.1	-0.1	-0.1	23-Mar-08	2.0	2.7	1.7	16-May-08	9.6	10.6	8.8
30-Jan-08	-0.1	-0.1	-0.1	24-Mar-08	2.2	3.3	1.4	17-May-08	9.1	9.5	8.7
31-Jan-08	-0.1	-0.1	-0.1	25-Mar-08	2.3	3.3	1.7	18-May-08	9.4	10.4	8.5
1-Feb-08	-0.1	-0.1	-0.1	26-Mar-08	2.1	3.1	1.5	19-May-08	9.8	10.3	9.3
2-Feb-08	-0.1	-0.1	-0.1	27-Mar-08	1.9	2.3	1.6	20-May-08	9.0	9.6	8.2
3-Feb-08	-0.1	-0.1	-0.1	28-Mar-08	1.8	2.6	1.2	21-May-08	7.8	8.1	7.6
4-Feb-08	-0.1	-0.1	-0.1	29-Mar-08	2.0	2.9	1.4	22-May-08	8.4	9.4	7.5
5-Feb-08	-0.1	-0.1	-0.1	30-Mar-08	1.7	2.8	0.9	23-May-08	8.5	8.9	8.2
6-Feb-08	-0.1	-0.1	-0.1	31-Mar-08	2.1	3.3	1.2	24-May-08	8.1	8.4	7.9
7-Feb-08	-0.1	-0.1	-0.1	1-Apr-08	2.4	3.4	1.7	25-May-08	8.3	9.0	7.6
8-Feb-08	-0.1	-0.1	-0.1	2-Apr-08	2.7	3.7	1.9	26-May-08	9.0	10.2	7.8
9-Feb-08	-0.1	-0.1	-0.1	3-Apr-08	3.2	4.4	2.5	27-May-08	10.4	11.7	9.2
10-Feb-08	-0.1	-0.1	-0.1	4-Apr-08	3.1	4.0	2.5	28-May-08	11.0	11.6	10.7
11-Feb-08	-0.1	-0.1	-0.2	5-Apr-08	2.9	3.7	2.4	29-May-08	11.1	11.4	10.5
12-Feb-08	-0.1	-0.1	-0.1	6-Apr-08	2.9	3.8	2.3	30-May-08	10.5	11.2	9.7
13-Feb-08	-0.1	-0.1	-0.1	7-Apr-08	3.2	4.6	2.4	31-May-08	11.5	12.5	10.6
14-Feb-08	-0.1	-0.1	-0.1	8-Apr-08	3.2	4.4	2.3	1-Jun-08	12.1	13.0	11.2
15-Feb-08	0.0	0.6	-0.1	9-Apr-08	3.4	4.7	2.5	2-Jun-08	12.5	13.4	11.7
16-Feb-08	0.5	0.7	0.4	10-Apr-08	3.2	4.5	2.3	3-Jun-08	12.9	13.9	12.1
17-Feb-08	0.5	0.8	0.2	11-Apr-08	3.2	4.2	2.4	4-Jun-08	12.9	13.6	12.4
18-Feb-08	0.6	0.7	0.3	12-Apr-08	3.2	3.9	2.9	5-Jun-08	12.4	12.8	12.0
19-Feb-08	0.9	1.2	0.6	13-Apr-08	3.6	5.0	2.6	6-Jun-08	11.7	12.2	11.3
20-Feb-08	1.0	1.4	0.8	14-Apr-08	2.6	4.1	1.4	7-Jun-08	11.3	12.0	10.4
21-Feb-08	1.0	1.5	0.7	15-Apr-08	2.1	3.4	1.0	8-Jun-08	11.7	12.9	10.7
22-Feb-08	1.0	1.5	0.8	16-Apr-08	2.9	4.0	1.7	9-Jun-08	12.4	13.9	10.9
23-Feb-08	1.2	1.7	0.9	17-Apr-08	2.3	3.0	1.6	10-Jun-08	12.1	12.6	11.6
24-Feb-08	1.4	2.2	1.0	18-Apr-08	1.3	1.9	0.8	11-Jun-08	12.5	14.5	10.9
25-Feb-08	1.1	1.8	0.7	19-Apr-08	1.1	1.8	0.4	12-Jun-08	13.6	15.0	12.4
26-Feb-08	1.3	1.8	0.8	20-Apr-08	1.3	1.9	0.8	13-Jun-08	13.0	13.7	12.6
27-Feb-08	1.3	1.7	1.0	21-Apr-08	1.7	2.6	1.1	14-Jun-08	12.6	13.8	11.7
28-Feb-08	1.3	1.7	1.0	22-Apr-08	2.5	3.6	1.7	15-Jun-08	12.7	13.7	11.9
29-Feb-08	1.2	1.6	0.8	23-Apr-08	2.6	3.2	2.2	16-Jun-08	12.9	14.4	11.4
1-Mar-08	0.5	1.0	-0.1	24-Apr-08	2.5	3.4	1.9	17-Jun-08	13.4	14.3	12.1
2-Mar-08	-0.1	0.0	-0.1	25-Apr-08	2.9	4.3	1.7	18-Jun-08	12.6	13.7	11.5
3-Mar-08	0.0	0.1	-0.1	26-Apr-08	4.0	5.7	2.6	19-Jun-08	13.4	14.9	12.1
4-Mar-08	0.2	0.5	-0.1	27-Apr-08	4.2	4.9	3.5	20-Jun-08	13.7	14.9	12.5
5-Mar-08	1.1	1.9	0.6	28-Apr-08	3.9	4.8	3.2	21-Jun-08	13.8	14.6	13.2
6-Mar-08	1.5	2.3	0.9	29-Apr-08	4.3	5.7	2.3	22-Jun-08	14.0	15.1	13.4
7-Mar-08	2.1	2.9	1.6	30-Apr-08	4.4	4.8	3.5	23-Jun-08	14.2	15.5	12.9
8-Mar-08	2.2	3.1	1.7	1-May-08	2.9	3.5	2.5	24-Jun-08	14.6	16.2	13.4
9-Mar-08	2.2	2.7	1.9	2-May-08	2.3	3.0	1.7	25-Jun-08	14.7	16.1	13.5

Appendix D 5: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 5

Date	Mean	Max	Min
26-Jun-08	14.5	15.2	13.7
27-Jun-08	14.6	16.0	13.2
28-Jun-08	15.5	16.6	14.4
29-Jun-08	17.0	18.3	15.7
30-Jun-08	18.0	19.7	16.6
1-Jul-08	17.5	18.8	16.2
2-Jul-08	18.0	20.4	16.3
3-Jul-08	18.5	20.3	17.0
4-Jul-08	18.2	19.1	17.4
5-Jul-08	16.7	19.0	15.0
6-Jul-08	15.8	17.6	12.5
7-Jul-08	15.4	17.1	14.0
8-Jul-08	14.5	15.4	13.7
9-Jul-08	13.2	13.9	12.4
10-Jul-08	12.7	13.4	12.0
11-Jul-08	13.4	14.8	12.2
12-Jul-08	14.1	15.1	13.2
13-Jul-08	14.3	15.6	13.4
14-Jul-08	14.2	15.4	13.4
15-Jul-08	13.7	14.8	12.7
16-Jul-08	14.2	16.0	12.9
17-Jul-08	14.0	15.1	13.4
18-Jul-08	14.5	15.7	13.3
19-Jul-08	14.8	16.3	13.8
20-Jul-08	14.0	14.6	13.4
21-Jul-08	13.8	14.9	13.0
22-Jul-08	14.1	15.7	12.7
23-Jul-08	14.6	16.4	13.1
24-Jul-08	14.9	16.4	13.4
25-Jul-08	15.3	16.9	14.0
26-Jul-08	14.8	15.8	14.1
27-Jul-08	14.6	15.8	13.4
28-Jul-08	14.6	15.8	13.7
29-Jul-08	13.7	14.4	13.1
30-Jul-08	13.5	14.6	12.7
31-Jul-08	13.4	14.8	12.3
1-Aug-08	12.7	13.4	12.4
2-Aug-08	13.6	14.9	12.4
3-Aug-08	15.0	16.3	13.6
4-Aug-08	15.4	17.1	11.7
5-Aug-08	15.4	16.8	14.3
6-Aug-08	15.5	17.2	14.1
7-Aug-08	15.4	16.9	14.3
8-Aug-08	14.9	16.3	13.9
9-Aug-08	15.3	17.0	14.0
10-Aug-08	14.5	15.5	13.1
11-Aug-08	13.7	14.7	12.8
12-Aug-08	13.6	15.2	12.7
13-Aug-08	15.2	16.1	14.3
14-Aug-08	15.7	16.4	15.1
15-Aug-08	15.4	16.3	14.6
16-Aug-08	15.6	16.6	14.7
17-Aug-08	15.8	16.8	14.9
18-Aug-08	14.8	15.3	13.2
19-Aug-08	14.1	14.9	13.4
20-Aug-08	12.8	13.5	12.3
21-Aug-08	12.2	12.6	11.9
22-Aug-08	12.6	14.2	11.2
23-Aug-08	12.7	13.9	11.9
24-Aug-08	12.0	12.7	11.5
25-Aug-08	12.4	13.8	11.3
26-Aug-08	12.3	13.4	11.6
27-Aug-08	12.2	13.1	11.4
28-Aug-08	12.7	14.1	11.7
29-Aug-08	13.1	13.9	12.3
30-Aug-08	12.8	13.2	12.4
31-Aug-08	13.1	14.4	12.2
1-Sep-08	13.2	14.0	12.6
2-Sep-08	12.5	13.6	11.5
3-Sep-08	12.7	13.9	11.8
4-Sep-08	12.5	13.4	11.7
5-Sep-08	13.0	13.9	12.2
6-Sep-08	13.1	14.1	12.6
7-Sep-08	13.1	14.3	12.5
8-Sep-08	13.1	14.2	12.2
9-Sep-08	13.2	14.0	12.6
10-Sep-08	12.8	14.0	11.9
11-Sep-08	12.5	13.1	12.1
12-Sep-08	12.2	13.3	11.5
13-Sep-08	12.0	13.2	11.1
14-Sep-08	12.4	13.4	11.5
15-Sep-08	13.4	14.9	12.2
16-Sep-08	13.9	14.9	13.2
17-Sep-08	13.3	14.0	12.8
18-Sep-08	13.4	14.4	12.6
19-Sep-08	13.3	14.1	12.7
20-Sep-08	13.0	14.0	12.4
21-Sep-08	12.7	12.9	12.3
22-Sep-08	12.1	12.6	11.5
23-Sep-08	11.6	12.4	11.2
24-Sep-08	10.7	11.2	10.2
25-Sep-08	10.6	11.1	10.2
26-Sep-08	10.6	11.2	10.0
27-Sep-08	11.2	11.9	10.6
28-Sep-08	10.8	11.1	10.2
29-Sep-08	11.0	11.8	10.3
30-Sep-08	11.3	12.3	10.6
1-Oct-08	11.3	12.2	10.4
2-Oct-08	11.6	12.6	10.8
3-Oct-08	12.2	13.2	11.6
4-Oct-08	12.4	12.9	12.1
5-Oct-08	11.8	12.1	11.1
6-Oct-08	10.7	11.2	10.3
7-Oct-08	10.2	10.6	9.8
8-Oct-08	9.6	10.2	9.1
9-Oct-08	9.1	9.8	8.4
10-Oct-08	9.4	10.2	8.7
11-Oct-08	9.0	9.6	8.5
12-Oct-08	9.5	10.3	8.9
13-Oct-08	9.7	10.3	9.1
14-Oct-08	8.7	9.3	8.1
15-Oct-08	8.7	9.6	8.1
16-Oct-08	8.8	9.5	8.2
17-Oct-08	8.8	9.4	8.2
18-Oct-08	8.6	8.9	8.2
19-Oct-08	8.1	8.7	7.4
20-Oct-08	8.0	8.4	7.6
21-Oct-08	7.9	8.6	7.3
22-Oct-08	8.4	9.1	7.7
23-Oct-08	8.2	8.6	7.9
24-Oct-08	8.2	9.0	7.6
25-Oct-08	7.3	8.0	6.6
26-Oct-08	6.3	6.8	5.8
27-Oct-08	7.1	7.8	6.4
28-Oct-08	8.0	8.4	7.5
29-Oct-08	7.9	8.1	7.7
30-Oct-08	7.3	7.6	6.9
31-Oct-08			

Appendix D 5: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Peace 5



Appendix D 6: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Moberly 6

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
3-Mar-07	-0.1	-0.1	-0.1	17-Jun-07	14.0	14.8	13.4	8-Aug-07	18.3	19.6	17.7
4-Mar-07	-0.1	-0.1	-0.1	18-Jun-07	14.4	15.2	14.1	9-Aug-07	16.9	17.7	16.3
5-Mar-07	-0.1	-0.1	-0.1	19-Jun-07	14.2	15.0	13.8	10-Aug-07	16.7	17.2	16.2
6-Mar-07	-0.1	-0.1	-0.1	20-Jun-07	14.1	14.7	13.9	11-Aug-07	16.1	16.8	15.7
7-Mar-07	-0.1	-0.1	-0.1	21-Jun-07	13.4	13.8	13.0	12-Aug-07	15.4	16.0	15.0
8-Mar-07	-0.1	-0.1	-0.1	22-Jun-07	13.7	14.5	13.1	13-Aug-07	14.6	15.0	14.3
9-Mar-07	-0.1	-0.1	-0.1	23-Jun-07	13.4	14.2	13.2	14-Aug-07	14.7	15.4	14.1
10-Mar-07	-0.1	-0.1	-0.1	24-Jun-07	12.7	13.3	12.1	15-Aug-07	15.8	16.9	15.3
11-Mar-07	-0.1	-0.1	-0.1	25-Jun-07	13.5	14.6	12.8	16-Aug-07	17.0	17.8	16.6
12-Mar-07	-0.1	-0.1	-0.1	26-Jun-07	14.3	15.3	13.6	17-Aug-07	17.5	17.9	17.3
13-Mar-07	-0.1	-0.1	-0.1	27-Jun-07	14.9	15.6	14.4	18-Aug-07	16.5	17.2	16.0
14-Mar-07	-0.1	-0.1	-0.1	28-Jun-07	15.0	15.6	14.6	19-Aug-07	15.7	16.4	15.4
15-Mar-07	-0.1	-0.1	-0.1	29-Jun-07	15.0	15.7	14.5	20-Aug-07	15.2	15.5	15.0
16-Mar-07	-0.1	-0.1	-0.1	30-Jun-07	15.4	15.7	15.1	21-Aug-07	14.9	15.3	14.7
17-Mar-07	-0.1	-0.1	-0.1	1-Jul-07	14.9	15.4	14.5	22-Aug-07	15.2	15.4	15.1
18-Mar-07	-0.1	-0.1	-0.1	2-Jul-07	15.0	15.7	14.4	23-Aug-07	15.3	15.7	15.0
19-Mar-07	-0.1	-0.1	-0.1	3-Jul-07	15.5	16.3	14.9	24-Aug-07	15.5	15.8	15.3
20-Mar-07	-0.1	-0.1	-0.1	4-Jul-07	15.9	16.7	15.2	25-Aug-07	15.4	15.6	15.2
21-Mar-07	-0.1	-0.1	-0.1	5-Jul-07	16.7	17.4	16.2	26-Aug-07	14.6	15.2	14.2
22-Mar-07	-0.1	-0.1	-0.1	6-Jul-07	16.6	17.4	15.9	27-Aug-07	13.8	14.2	13.4
23-Mar-07	-0.1	-0.1	-0.1	7-Jul-07	16.3	16.9	15.7	28-Aug-07	13.6	14.1	13.3
24-Mar-07	-0.1	-0.1	-0.1	8-Jul-07	16.0	16.8	15.5	29-Aug-07	14.0	14.2	13.9
25-Mar-07	-0.1	-0.1	-0.1	9-Jul-07	15.8	16.5	15.5	30-Aug-07	14.4	14.8	14.3
26-Mar-07	-0.1	-0.1	-0.1	10-Jul-07	16.5	17.4	16.0	31-Aug-07	14.7	14.9	14.4
27-Mar-07	-0.1	-0.1	-0.1	11-Jul-07	17.7	18.3	17.3	1-Sep-07	14.5	14.9	14.2
28-Mar-07	-0.1	-0.1	-0.1	12-Jul-07	18.3	19.5	17.6	2-Sep-07	14.4	14.7	14.1
29-Mar-07	-0.1	-0.1	-0.1	13-Jul-07	19.5	20.6	18.9	3-Sep-07	14.3	14.7	14.0
30-Mar-07	-0.1	0.0	-0.1	14-Jul-07	20.5	21.2	20.0	4-Sep-07	14.6	14.8	14.4
31-Mar-07	-0.1	0.1	-0.1	15-Jul-07	20.1	21.2	19.3	5-Sep-07	14.5	14.8	14.2
1-Apr-07	-0.1	0.0	-0.2	16-Jul-07	19.4	20.4	18.9	6-Sep-07	14.1	14.5	13.9
2-Apr-07				17-Jul-07	20.2	20.9	19.6	7-Sep-07	13.7	14.1	13.4
3-Apr-07	-0.1	0.1	-0.1	18-Jul-07	20.7	21.3	20.4	8-Sep-07	13.4	13.8	13.1
4-Apr-07	0.0	0.1	-0.1	19-Jul-07	20.9	21.3	20.6	9-Sep-07	13.4	13.8	13.0
5-Apr-07	-0.1	-0.1	-0.1	20-Jul-07	20.0	20.9	19.5	10-Sep-07	13.9	14.6	13.6
6-Apr-07	0.0	0.3	-0.1	21-Jul-07	19.2	19.9	18.6	11-Sep-07	14.5	14.6	14.4
7-Apr-07	0.1	0.7	-0.2	22-Jul-07	19.1	19.5	18.6	12-Sep-07	13.9	14.4	13.5
8-Apr-07	0.0	0.4	-0.1	23-Jul-07	19.1	19.4	18.7	13-Sep-07	13.5	14.0	13.0
9-Apr-07	-0.1	0.1	-0.1	24-Jul-07	18.4	19.1	17.9	14-Sep-07	13.3	13.7	12.9
10-Apr-07	0.0	0.2	-0.1	25-Jul-07	17.8	18.6	17.2	15-Sep-07	13.3	13.5	13.1
11-Apr-07	0.0	0.2	-0.1	26-Jul-07	18.3	19.0	17.7	16-Sep-07	13.3	13.5	13.1
12-Apr-07	0.0	0.1	-0.1	27-Jul-07	19.0	19.9	18.5	17-Sep-07	12.7	13.5	12.3
13-Apr-07	-0.1	0.1	-0.1	28-Jul-07	19.7	20.2	19.3	18-Sep-07	11.6	12.3	11.2
14-Apr-07	0.0	0.2	0.0	29-Jul-07	19.7	20.2	19.4	19-Sep-07	10.1	11.1	9.5
15-Apr-07	0.0	0.3	0.0	30-Jul-07	19.0	19.8	18.4	20-Sep-07	9.6	9.9	9.4
16-Apr-07	0.0	0.2	0.0	31-Jul-07	17.9	18.9	17.5	21-Sep-07	9.6	9.9	9.3
17-Apr-07	0.1	0.4	0.0	1-Aug-07	17.2	18.2	16.6	22-Sep-07	9.6	9.9	9.4
18-Apr-07	0.0	0.4	-0.1	2-Aug-07	17.9	18.8	17.3	23-Sep-07	9.6	9.8	9.3
19-Apr-07	0.1	0.2	0.0	3-Aug-07	18.5	18.8	18.2	24-Sep-07	9.3	9.8	9.0
20-Apr-07	0.0	0.2	0.0	4-Aug-07	18.3	19.0	17.9	25-Sep-07	9.2	9.6	9.0
21-Apr-07	0.1	0.4	0.0	5-Aug-07	18.6	19.3	18.1	26-Sep-07	9.5	9.8	9.4
22-Apr-07	0.1	0.6	-0.1	6-Aug-07	18.7	19.3	18.1	27-Sep-07	9.6	9.8	9.4
23-Apr-07	0.1	0.6	-0.1	7-Aug-07	19.0	19.6	18.6	28-Sep-07	9.1	9.8	8.6

Appendix D 6: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Moberly 6

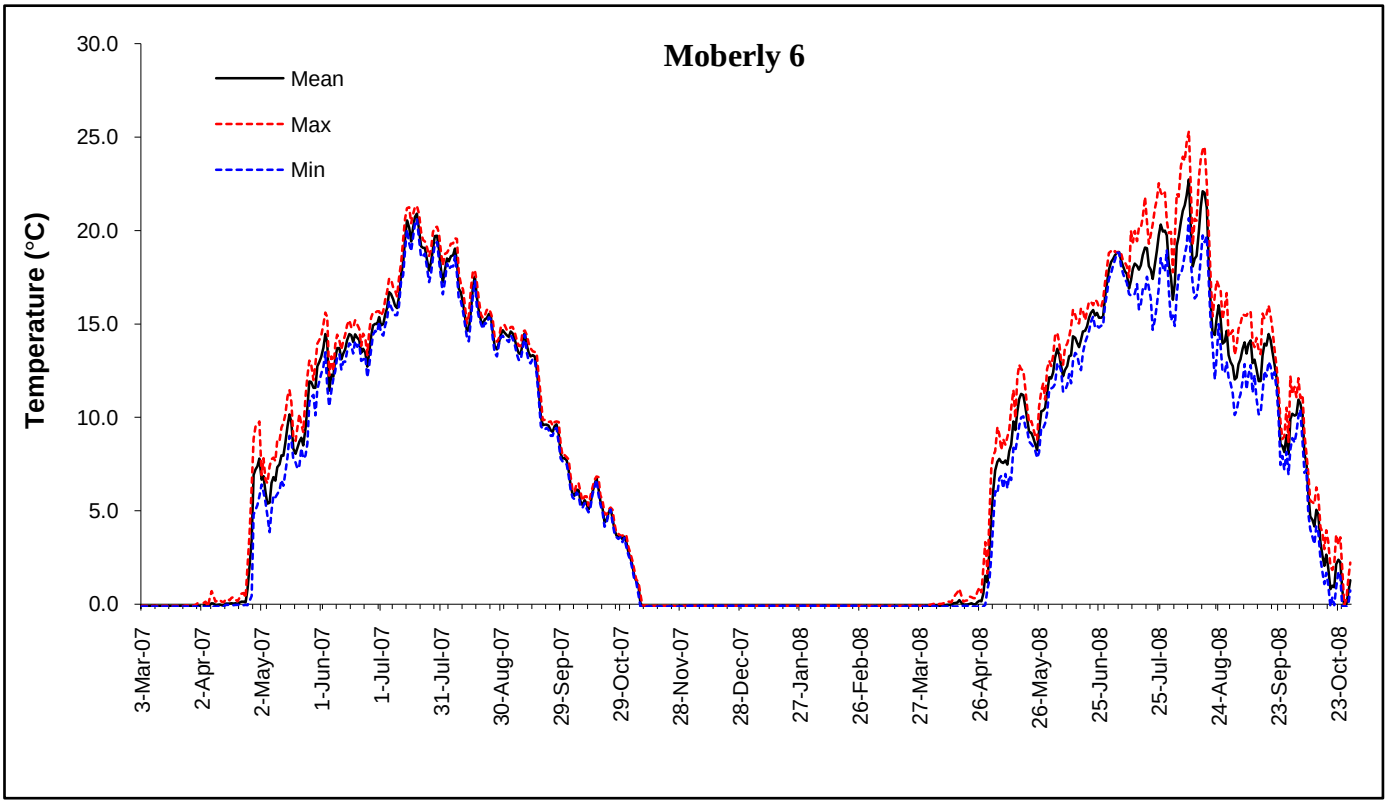
Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
29-Sep-07	8.1	8.6	7.8	22-Nov-07	-0.1	-0.1	-0.1	15-Jan-08	-0.1	-0.1	-0.1
30-Sep-07	7.8	7.9	7.6	23-Nov-07	-0.1	-0.1	-0.1	16-Jan-08	-0.1	-0.1	-0.1
1-Oct-07	7.8	8.0	7.6	24-Nov-07	-0.1	-0.1	-0.1	17-Jan-08	-0.1	-0.1	-0.1
2-Oct-07	7.7	7.9	7.5	25-Nov-07	-0.1	-0.1	-0.1	18-Jan-08	-0.1	-0.1	-0.1
3-Oct-07	7.2	7.7	6.9	26-Nov-07	-0.1	-0.1	-0.1	19-Jan-08	-0.1	-0.1	-0.1
4-Oct-07	6.4	6.9	6.1	27-Nov-07	-0.1	-0.1	-0.1	20-Jan-08	-0.1	-0.1	-0.1
5-Oct-07	5.9	6.1	5.7	28-Nov-07	-0.1	-0.1	-0.1	21-Jan-08	-0.1	-0.1	-0.1
6-Oct-07	5.8	6.0	5.6	29-Nov-07	-0.1	-0.1	-0.1	22-Jan-08	-0.1	-0.1	-0.1
7-Oct-07	6.1	6.5	6.0	30-Nov-07	-0.1	-0.1	-0.1	23-Jan-08	-0.1	-0.1	-0.1
8-Oct-07	6.1	6.5	5.8	1-Dec-07	-0.1	-0.1	-0.1	24-Jan-08	-0.1	-0.1	-0.1
9-Oct-07	5.5	6.0	5.2	2-Dec-07	-0.1	-0.1	-0.1	25-Jan-08	-0.1	-0.1	-0.1
10-Oct-07	5.3	5.5	5.2	3-Dec-07	-0.1	-0.1	-0.1	26-Jan-08	-0.1	-0.1	-0.1
11-Oct-07	5.6	5.8	5.4	4-Dec-07	-0.1	-0.1	-0.1	27-Jan-08	-0.1	-0.1	-0.1
12-Oct-07	5.4	5.8	5.1	5-Dec-07	-0.1	-0.1	-0.1	28-Jan-08	-0.1	-0.1	-0.1
13-Oct-07	5.1	5.3	4.9	6-Dec-07	-0.1	-0.1	-0.1	29-Jan-08	-0.1	-0.1	-0.1
14-Oct-07	5.3	5.8	5.2	7-Dec-07	-0.1	-0.1	-0.1	30-Jan-08	-0.1	-0.1	-0.1
15-Oct-07	6.0	6.2	5.8	8-Dec-07	-0.1	-0.1	-0.1	31-Jan-08	-0.1	-0.1	-0.1
16-Oct-07	6.4	6.7	6.3	9-Dec-07	-0.1	-0.1	-0.1	1-Feb-08	-0.1	-0.1	-0.1
17-Oct-07	6.8	6.8	6.7	10-Dec-07	-0.1	-0.1	-0.1	2-Feb-08	-0.1	-0.1	-0.1
18-Oct-07	6.2	6.8	5.9	11-Dec-07	-0.1	-0.1	-0.1	3-Feb-08	-0.1	-0.1	-0.1
19-Oct-07	5.5	5.8	5.3	12-Dec-07	-0.1	-0.1	-0.1	4-Feb-08	-0.1	-0.1	-0.1
20-Oct-07	5.1	5.5	4.9	13-Dec-07	-0.1	-0.1	-0.1	5-Feb-08	-0.1	-0.1	-0.1
21-Oct-07	4.4	4.9	4.1	14-Dec-07	-0.1	-0.1	-0.1	6-Feb-08	-0.1	-0.1	-0.1
22-Oct-07	4.5	4.8	4.3	15-Dec-07	-0.1	-0.1	-0.1	7-Feb-08	-0.1	-0.1	-0.1
23-Oct-07	4.9	5.1	4.8	16-Dec-07	-0.1	-0.1	-0.1	8-Feb-08	-0.1	-0.1	-0.1
24-Oct-07	5.1	5.2	5.1	17-Dec-07	-0.1	-0.1	-0.1	9-Feb-08	-0.1	-0.1	-0.1
25-Oct-07	4.6	5.1	4.4	18-Dec-07	-0.1	-0.1	-0.1	10-Feb-08	-0.1	-0.1	-0.1
26-Oct-07	4.0	4.3	3.8	19-Dec-07	-0.1	-0.1	-0.1	11-Feb-08	-0.1	-0.1	-0.1
27-Oct-07	3.7	3.8	3.6	20-Dec-07	-0.1	-0.1	-0.1	12-Feb-08	-0.1	-0.1	-0.1
28-Oct-07	3.6	3.8	3.5	21-Dec-07	-0.1	-0.1	-0.1	13-Feb-08	-0.1	-0.1	-0.1
29-Oct-07	3.6	3.7	3.6	22-Dec-07	-0.1	-0.1	-0.1	14-Feb-08	-0.1	-0.1	-0.1
30-Oct-07	3.5	3.7	3.3	23-Dec-07	-0.1	-0.1	-0.1	15-Feb-08	-0.1	-0.1	-0.1
31-Oct-07	3.6	3.7	3.5	24-Dec-07	-0.1	-0.1	-0.1	16-Feb-08	-0.1	-0.1	-0.1
1-Nov-07	3.3	3.7	3.1	25-Dec-07	-0.1	-0.1	-0.1	17-Feb-08	-0.1	-0.1	-0.1
2-Nov-07	2.8	3.0	2.6	26-Dec-07	-0.1	-0.1	-0.1	18-Feb-08	-0.1	-0.1	-0.1
3-Nov-07	2.5	2.7	2.3	27-Dec-07	-0.1	-0.1	-0.1	19-Feb-08	-0.1	-0.1	-0.1
4-Nov-07	2.1	2.3	1.9	28-Dec-07	-0.1	-0.1	-0.1	20-Feb-08	-0.1	-0.1	-0.1
5-Nov-07	1.5	1.8	1.3	29-Dec-07	-0.1	-0.1	-0.1	21-Feb-08	-0.1	-0.1	-0.1
6-Nov-07	1.2	1.3	1.2	30-Dec-07	-0.1	-0.1	-0.1	22-Feb-08	-0.1	-0.1	-0.1
7-Nov-07	1.0	1.2	0.5	31-Dec-07	-0.1	-0.1	-0.1	23-Feb-08	-0.1	-0.1	-0.1
8-Nov-07	0.1	0.6	-0.1	1-Jan-08	-0.1	-0.1	-0.1	24-Feb-08	-0.1	-0.1	-0.1
9-Nov-07	-0.1	-0.1	-0.1	2-Jan-08	-0.1	-0.1	-0.1	25-Feb-08	-0.1	-0.1	-0.1
10-Nov-07	-0.1	-0.1	-0.1	3-Jan-08	-0.1	-0.1	-0.1	26-Feb-08	-0.1	-0.1	-0.1
11-Nov-07	-0.1	-0.1	-0.1	4-Jan-08	-0.1	-0.1	-0.1	27-Feb-08	-0.1	-0.1	-0.1
12-Nov-07	-0.1	-0.1	-0.1	5-Jan-08	-0.1	-0.1	-0.1	28-Feb-08	-0.1	-0.1	-0.1
13-Nov-07	-0.1	-0.1	-0.1	6-Jan-08	-0.1	-0.1	-0.1	29-Feb-08	-0.1	-0.1	-0.1
14-Nov-07	-0.1	-0.1	-0.1	7-Jan-08	-0.1	-0.1	-0.1	1-Mar-08	-0.1	-0.1	-0.1
15-Nov-07	-0.1	-0.1	-0.1	8-Jan-08	-0.1	-0.1	-0.1	2-Mar-08	-0.1	-0.1	-0.1
16-Nov-07	-0.1	-0.1	-0.1	9-Jan-08	-0.1	-0.1	-0.1	3-Mar-08	-0.1	-0.1	-0.1
17-Nov-07	-0.1	-0.1	-0.1	10-Jan-08	-0.1	-0.1	-0.1	4-Mar-08	-0.1	-0.1	-0.1
18-Nov-07	-0.1	-0.1	-0.1	11-Jan-08	-0.1	-0.1	-0.1	5-Mar-08	-0.1	-0.1	-0.1
19-Nov-07	-0.1	-0.1	-0.1	12-Jan-08	-0.1	-0.1	-0.1	6-Mar-08	-0.1	-0.1	-0.1
20-Nov-07	-0.1	-0.1	-0.1	13-Jan-08	-0.1	-0.1	-0.1	7-Mar-08	-0.1	-0.1	-0.1
21-Nov-07	-0.1	-0.1	-0.1	14-Jan-08	-0.1	-0.1	-0.1	8-Mar-08	-0.1	-0.1	-0.1

Appendix D 6: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Moberly 6

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
9-Mar-08	-0.1	-0.1	-0.1	2-May-08	4.7	7.3	2.6	25-Jun-08	15.3	15.9	14.8
10-Mar-08	-0.1	-0.1	-0.1	3-May-08	6.1	8.0	4.4	26-Jun-08	15.3	15.9	14.9
11-Mar-08	-0.1	-0.1	-0.1	4-May-08	7.2	8.2	6.1	27-Jun-08	15.4	16.3	14.9
12-Mar-08	-0.1	-0.1	-0.1	5-May-08	7.6	9.5	5.9	28-Jun-08	16.4	17.2	16.0
13-Mar-08	-0.1	-0.1	-0.1	6-May-08	7.8	9.1	6.7	29-Jun-08	17.2	18.0	16.6
14-Mar-08	-0.1	-0.1	-0.1	7-May-08	7.6	8.3	6.9	30-Jun-08	17.9	18.8	17.4
15-Mar-08	-0.1	-0.1	-0.1	8-May-08	7.6	8.8	6.2	1-Jul-08	18.3	18.9	17.7
16-Mar-08	-0.1	-0.1	-0.1	9-May-08	7.7	8.5	7.0	2-Jul-08	18.5	18.8	18.1
17-Mar-08	-0.1	-0.1	-0.1	10-May-08	7.5	8.9	6.2	3-Jul-08	18.7	18.9	18.4
18-Mar-08	-0.1	-0.1	-0.1	11-May-08	8.2	9.4	6.9	4-Jul-08	18.8	18.8	18.8
19-Mar-08	-0.1	-0.1	-0.1	12-May-08	8.5	10.5	6.6	5-Jul-08	18.8	18.9	18.8
20-Mar-08	-0.1	-0.1	-0.1	13-May-08	9.8	11.5	8.4	6-Jul-08	18.4	18.8	18.1
21-Mar-08	-0.1	-0.1	-0.1	14-May-08	9.3	10.0	8.2	7-Jul-08	18.1	18.4	17.7
22-Mar-08	-0.1	-0.1	-0.1	15-May-08	10.3	12.1	8.8	8-Jul-08	17.8	18.3	17.4
23-Mar-08	-0.1	-0.1	-0.1	16-May-08	11.0	12.8	9.5	9-Jul-08	17.7	18.1	17.2
24-Mar-08	-0.1	-0.1	-0.1	17-May-08	11.2	12.6	10.0	10-Jul-08	16.9	17.5	16.6
25-Mar-08	-0.1	-0.1	-0.1	18-May-08	11.2	12.5	10.1	11-Jul-08	17.3	20.0	16.5
26-Mar-08	-0.1	-0.1	-0.1	19-May-08	10.6	11.6	9.5	12-Jul-08	18.0	19.4	16.5
27-Mar-08	-0.1	-0.1	-0.1	20-May-08	9.9	10.5	9.3	13-Jul-08	18.2	20.0	16.6
28-Mar-08	-0.1	-0.1	-0.1	21-May-08	9.2	9.7	8.7	14-Jul-08	18.1	19.4	17.1
29-Mar-08	-0.1	-0.1	-0.1	22-May-08	9.2	9.8	8.6	15-Jul-08	17.9	20.2	15.8
30-Mar-08	-0.1	-0.1	-0.1	23-May-08	8.9	9.4	8.4	16-Jul-08	18.1	20.2	16.1
31-Mar-08	-0.1	-0.1	-0.1	24-May-08	8.6	9.0	8.2	17-Jul-08	18.7	20.7	16.8
1-Apr-08	-0.1	0.0	-0.1	25-May-08	8.2	8.8	7.8	18-Jul-08	19.1	21.8	16.7
2-Apr-08	-0.1	0.0	-0.1	26-May-08	9.3	10.6	8.1	19-Jul-08	19.1	20.5	17.5
3-Apr-08	-0.1	0.0	-0.1	27-May-08	10.3	11.4	9.5	20-Jul-08	18.1	19.3	16.9
4-Apr-08	-0.1	0.0	-0.1	28-May-08	10.4	11.8	9.4	21-Jul-08	17.9	19.8	16.3
5-Apr-08	-0.1	0.0	-0.1	29-May-08	10.5	11.0	9.7	22-Jul-08	17.4	20.3	14.7
6-Apr-08	-0.1	0.0	-0.1	30-May-08	11.3	12.6	10.2	23-Jul-08	18.2	21.2	15.2
7-Apr-08	-0.1	0.0	-0.1	31-May-08	12.1	13.0	11.5	24-Jul-08	18.9	21.7	16.0
8-Apr-08	-0.1	0.1	-0.1	1-Jun-08	12.1	12.8	11.5	25-Jul-08	19.7	22.5	16.9
9-Apr-08	-0.1	0.1	-0.1	2-Jun-08	12.4	13.3	11.6	26-Jul-08	20.3	22.0	18.5
10-Apr-08	0.0	0.1	-0.1	3-Jun-08	13.2	14.4	11.8	27-Jul-08	19.9	21.9	18.0
11-Apr-08	0.0	0.1	-0.1	4-Jun-08	13.7	14.5	12.9	28-Jul-08	20.0	22.0	17.8
12-Apr-08	0.0	0.1	-0.1	5-Jun-08	13.4	14.0	12.8	29-Jul-08	19.7	20.5	18.9
13-Apr-08	0.1	0.4	-0.1	6-Jun-08	12.7	13.0	12.5	30-Jul-08	18.2	19.9	16.9
14-Apr-08	0.1	0.5	-0.1	7-Jun-08	12.2	12.8	11.4	31-Jul-08	17.5	19.9	15.2
15-Apr-08	0.1	0.6	-0.1	8-Jun-08	12.5	13.7	11.4	1-Aug-08	16.3	17.8	15.4
16-Apr-08	0.2	0.8	-0.1	9-Jun-08	12.7	14.0	11.7	2-Aug-08	17.2	19.6	14.9
17-Apr-08	0.1	0.4	-0.1	10-Jun-08	13.3	14.3	12.3	3-Aug-08	19.2	22.0	16.5
18-Apr-08	0.0	0.1	-0.1	11-Jun-08	13.3	14.9	11.8	4-Aug-08	19.7	21.8	17.6
19-Apr-08	0.0	0.2	-0.1	12-Jun-08	14.3	15.8	13.0	5-Aug-08	20.5	23.4	17.6
20-Apr-08	0.0	0.2	-0.1	13-Jun-08	14.2	15.5	13.4	6-Aug-08	21.0	24.0	18.1
21-Apr-08	0.0	0.4	-0.1	14-Jun-08	14.0	15.1	13.3	7-Aug-08	21.3	23.7	18.7
22-Apr-08	0.0	0.4	-0.1	15-Jun-08	13.8	15.0	12.8	8-Aug-08	21.9	24.7	19.2
23-Apr-08	0.0	0.3	-0.1	16-Jun-08	14.2	15.8	12.5	9-Aug-08	22.7	25.3	20.7
24-Apr-08	0.0	0.3	-0.1	17-Jun-08	14.6	15.7	13.4	10-Aug-08	20.1	22.3	18.3
25-Apr-08	0.1	0.7	-0.1	18-Jun-08	14.6	15.2	14.0	11-Aug-08	18.1	19.2	17.1
26-Apr-08	0.2	0.9	-0.1	19-Jun-08	14.9	15.7	14.3	12-Aug-08	18.5	20.6	16.3
27-Apr-08	0.2	0.6	-0.1	20-Jun-08	15.3	16.2	14.6	13-Aug-08	18.6	20.5	16.5
28-Apr-08	0.6	1.9	-0.1	21-Jun-08	15.6	16.2	15.1	14-Aug-08	19.9	22.8	17.3
29-Apr-08	1.5	3.3	0.0	22-Jun-08	15.7	16.0	15.4	15-Aug-08	21.2	23.8	18.5
30-Apr-08	1.2	1.6	0.8	23-Jun-08	15.5	16.3	14.8	16-Aug-08	22.1	24.3	19.7
1-May-08	2.9	4.7	1.3	24-Jun-08	15.6	16.2	14.9	17-Aug-08	22.0	24.5	19.4

Appendix D 6: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Moberly 6

Date	Mean	Max	Min
18-Aug-08	21.2	22.5	19.7
19-Aug-08	18.3	20.1	17.3
20-Aug-08	16.1	17.5	15.1
21-Aug-08	14.5	15.4	13.9
22-Aug-08	14.4	16.5	12.0
23-Aug-08	15.4	17.3	13.3
24-Aug-08	16.0	17.0	15.0
25-Aug-08	15.3	16.8	13.8
26-Aug-08	13.9	15.2	12.5
27-Aug-08	14.0	15.9	12.4
28-Aug-08	14.6	16.7	13.0
29-Aug-08	13.3	14.3	12.1
30-Aug-08	13.0	14.5	11.8
31-Aug-08	12.7	14.7	11.3
1-Sep-08	12.0	13.4	10.1
2-Sep-08	12.1	13.8	10.3
3-Sep-08	12.8	14.7	10.9
4-Sep-08	13.1	15.0	11.2
5-Sep-08	13.7	15.5	12.0
6-Sep-08	14.0	15.5	12.8
7-Sep-08	13.4	15.4	11.5
8-Sep-08	13.9	15.7	12.3
9-Sep-08	14.1	15.6	12.8
10-Sep-08	12.9	14.0	11.3
11-Sep-08	13.1	13.8	12.3
12-Sep-08	12.6	14.3	11.0
13-Sep-08	11.9	13.6	10.1
14-Sep-08	11.9	13.4	10.2
15-Sep-08	13.3	15.6	11.3
16-Sep-08	13.9	15.3	12.5
17-Sep-08	13.9	15.5	12.2
18-Sep-08	14.5	16.0	13.0
19-Sep-08	14.2	15.5	12.7
20-Sep-08	13.5	14.7	12.1
21-Sep-08	12.9	13.7	12.4
22-Sep-08	12.1	12.7	11.5
23-Sep-08	10.8	11.5	10.0
24-Sep-08	8.6	9.8	7.4
25-Sep-08	8.5	8.8	7.9
26-Sep-08	8.1	9.0	7.2
27-Sep-08	9.0	10.5	8.1
28-Sep-08	8.0	8.7	6.9
29-Sep-08	9.9	12.2	8.3
30-Sep-08	10.2	11.2	8.9
1-Oct-08	10.1	11.6	8.6
2-Oct-08	10.1	11.1	9.2
3-Oct-08	10.9	12.1	10.1
4-Oct-08	10.7	11.0	10.4
5-Oct-08	10.2	11.2	8.6
6-Oct-08	8.0	9.1	7.0
7-Oct-08	7.6	8.1	7.2
8-Oct-08	6.0	7.0	4.8
9-Oct-08	4.7	5.5	4.0
10-Oct-08	4.5	5.5	3.6
11-Oct-08	4.2	5.4	3.2
12-Oct-08	5.1	6.3	4.2
13-Oct-08	4.8	5.9	3.9
14-Oct-08	3.3	4.1	2.4
15-Oct-08	2.6	3.9	1.7
16-Oct-08	2.1	3.0	1.1
17-Oct-08	2.7	4.0	1.7
18-Oct-08	2.0	3.4	1.0
19-Oct-08	0.8	2.0	-0.1
20-Oct-08	1.0	1.8	0.4
21-Oct-08	0.9	2.2	-0.1
22-Oct-08	2.2	3.7	0.9
23-Oct-08	2.4	3.2	1.7
24-Oct-08	2.3	3.6	1.5
25-Oct-08	0.8	1.9	-0.1
26-Oct-08	-0.1	0.0	-0.1
27-Oct-08	0.0	0.3	-0.1
28-Oct-08	0.6	1.4	0.0
29-Oct-08	1.3	2.2	0.7



Appendix D 7: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Halfway 9

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
5-Mar-07	-0.1	-0.1	-0.1	22-Apr-07	3.2	5.1	1.4	9-Jun-07	10.3	11.6	9.1
6-Mar-07	-0.1	-0.1	-0.1	23-Apr-07	5.1	6.8	3.2	10-Jun-07	10.0	10.7	9.5
7-Mar-07	-0.1	-0.1	-0.1	24-Apr-07	5.9	6.4	5.3	11-Jun-07	10.3	11.4	9.4
8-Mar-07	-0.1	-0.1	-0.1	25-Apr-07	4.8	5.9	3.7	12-Jun-07	10.2	11.5	9.1
9-Mar-07	-0.1	-0.1	-0.1	26-Apr-07	4.9	5.8	4.2	13-Jun-07	10.7	11.9	9.5
10-Mar-07	-0.1	-0.1	-0.1	27-Apr-07	5.7	7.3	4.1	14-Jun-07	11.2	12.3	10.1
11-Mar-07	-0.1	-0.1	-0.1	28-Apr-07	6.6	7.8	5.5	15-Jun-07	11.3	12.5	10.1
12-Mar-07	-0.1	-0.1	-0.1	29-Apr-07	6.4	8.3	4.9	16-Jun-07	11.5	12.3	10.6
13-Mar-07	-0.1	-0.1	-0.1	30-Apr-07	6.2	7.7	4.7	17-Jun-07	11.8	13.1	10.5
14-Mar-07	-0.1	-0.1	-0.1	1-May-07	6.2	7.4	4.6	18-Jun-07	11.4	12.1	10.4
15-Mar-07	-0.1	-0.1	-0.1	2-May-07	6.6	7.0	6.0	19-Jun-07	10.0	10.7	9.4
16-Mar-07	-0.1	-0.1	-0.1	3-May-07	6.2	6.5	5.9	20-Jun-07	9.9	10.5	9.3
17-Mar-07	-0.1	-0.1	-0.1	4-May-07	5.4	6.0	4.9	21-Jun-07	10.1	11.2	9.2
18-Mar-07	-0.1	-0.1	-0.1	5-May-07	4.4	5.0	3.7	22-Jun-07	10.6	11.7	9.4
19-Mar-07	-0.1	-0.1	-0.1	6-May-07	5.5	6.9	4.4	23-Jun-07	10.2	10.9	9.7
20-Mar-07	-0.1	-0.1	-0.1	7-May-07	6.4	7.5	5.6	24-Jun-07	10.3	11.3	9.5
21-Mar-07	-0.1	-0.1	-0.1	8-May-07	7.1	8.1	6.1	25-Jun-07	10.4	12.0	9.0
22-Mar-07	-0.1	-0.1	-0.1	9-May-07	7.2	8.1	6.4	26-Jun-07	11.6	13.1	10.1
23-Mar-07	-0.1	-0.1	-0.1	10-May-07	7.8	9.1	6.6	27-Jun-07	12.4	13.1	11.9
24-Mar-07	-0.1	-0.1	-0.1	11-May-07	7.6	8.7	6.4	28-Jun-07	11.6	12.2	11.2
25-Mar-07	-0.1	-0.1	-0.1	12-May-07	8.0	9.4	6.9	29-Jun-07	11.7	12.8	10.6
26-Mar-07	-0.1	-0.1	-0.1	13-May-07	8.4	9.9	6.8	30-Jun-07	11.8	12.3	11.3
27-Mar-07	-0.1	-0.1	-0.1	14-May-07	9.5	11.2	7.8	1-Jul-07	11.7	13.1	10.7
28-Mar-07	-0.1	-0.1	-0.1	15-May-07	11.0	14.2	8.8	2-Jul-07	12.6	14.2	10.9
29-Mar-07	-0.1	-0.1	-0.1	16-May-07	11.4	13.8	9.3	3-Jul-07	13.9	15.2	12.8
30-Mar-07	-0.1	-0.1	-0.1	17-May-07	10.7	11.7	9.7	4-Jul-07	14.4	15.8	13.0
31-Mar-07	-0.1	-0.1	-0.1	18-May-07	8.4	10.0	7.6	5-Jul-07	14.9	16.0	13.9
1-Apr-07	-0.1	-0.1	-0.1	19-May-07	7.6	8.7	6.9	6-Jul-07	14.7	16.0	13.5
2-Apr-07	-0.1	-0.1	-0.1	20-May-07	8.4	9.2	7.6	7-Jul-07	14.5	15.6	13.3
3-Apr-07	-0.1	-0.1	-0.1	21-May-07	9.4	10.9	7.8	8-Jul-07	13.6	14.6	12.9
4-Apr-07	-0.1	-0.1	-0.1	22-May-07	8.8	10.1	8.1	9-Jul-07	14.0	15.4	12.7
5-Apr-07	-0.1	-0.1	-0.1	23-May-07	8.9	10.6	7.4	10-Jul-07	14.6	15.7	13.6
6-Apr-07	-0.1	-0.1	-0.1	24-May-07	10.7	12.8	8.6	11-Jul-07	15.1	16.3	14.0
7-Apr-07	-0.1	-0.1	-0.1	25-May-07	12.5	14.4	10.5	12-Jul-07	17.2	19.6	14.8
8-Apr-07	-0.1	-0.1	-0.1	26-May-07	13.1	14.1	11.9	13-Jul-07	18.9	20.4	17.3
9-Apr-07	-0.1	-0.1	-0.1	27-May-07	11.9	13.1	11.3	14-Jul-07	19.5	20.5	18.4
10-Apr-07	-0.1	0.0	-0.1	28-May-07	10.8	11.3	10.5	15-Jul-07	17.6	19.4	16.4
11-Apr-07	-0.1	-0.1	-0.1	29-May-07	11.2	12.7	9.8	16-Jul-07	16.7	18.1	15.0
12-Apr-07	-0.1	-0.1	-0.1	30-May-07	11.6	12.8	10.3	17-Jul-07	17.6	18.9	16.1
13-Apr-07	-0.1	0.0	-0.1	31-May-07	11.5	13.1	10.1	18-Jul-07	18.3	19.3	17.2
14-Apr-07	0.0	0.2	-0.1	1-Jun-07	11.6	12.8	10.7	19-Jul-07	18.4	19.1	17.7
15-Apr-07	0.0	0.8	-0.1	2-Jun-07	12.0	13.0	11.0	20-Jul-07	17.6	18.5	16.5
16-Apr-07	0.0	0.2	-0.1	3-Jun-07	12.3	13.6	10.8	21-Jul-07	17.1	18.4	15.8
17-Apr-07	0.1	0.5	-0.1	4-Jun-07	12.9	14.0	11.8	22-Jul-07	17.1	18.3	15.9
18-Apr-07	0.6	1.8	-0.1	5-Jun-07	11.8	13.2	10.9	23-Jul-07	16.5	17.3	15.8
19-Apr-07	1.0	2.3	-0.1	6-Jun-07	9.9	10.8	8.9	24-Jul-07	15.4	16.1	14.7
20-Apr-07	0.9	1.5	0.4	7-Jun-07	8.2	8.8	7.7	25-Jul-07	15.7	17.7	13.8
21-Apr-07	1.7	2.6	0.7	8-Jun-07	9.3	10.4	8.2	26-Jul-07	16.9	18.4	15.4
27-Jul-07	17.7	19.1	16.3	13-Sep-07	11.6	12.8	10.4	31-Oct-07	1.8	2.4	1.4
28-Jul-07	18.2	19.3	16.9	14-Sep-07	11.6	12.7	10.4	1-Nov-07	1.1	1.8	0.7
29-Jul-07	18.0	18.6	17.3	15-Sep-07	11.4	11.9	11.1	2-Nov-07	0.7	1.0	0.5
30-Jul-07	16.7	17.6	15.7	16-Sep-07	11.5	12.3	10.9	3-Nov-07	0.1	0.4	-0.1
31-Jul-07	15.4	16.3	14.9	17-Sep-07	10.2	11.1	9.6	4-Nov-07	0.0	0.0	0.0

Appendix D 7: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Halfway 9

1-Aug-07	15.6	17.3	13.9	18-Sep-07	8.8	9.5	8.0	5-Nov-07	-0.1	-0.1	-0.1
2-Aug-07	17.0	18.6	15.4	19-Sep-07	7.6	8.3	6.7	6-Nov-07	-0.1	-0.1	-0.1
3-Aug-07	17.1	17.9	16.6	20-Sep-07	7.8	8.6	7.1	7-Nov-07	-0.1	-0.1	-0.1
4-Aug-07	16.7	17.7	15.7	21-Sep-07	8.2	9.3	7.4	8-Nov-07			
5-Aug-07	16.9	18.2	15.6	22-Sep-07	8.2	8.6	7.9	9-Nov-07			
6-Aug-07	17.2	18.4	16.0	23-Sep-07	8.1	8.8	7.4	10-Nov-07			
7-Aug-07	18.2	19.4	17.2	24-Sep-07	7.5	7.9	7.0	11-Nov-07			
8-Aug-07	15.8	17.2	14.8	25-Sep-07	8.0	9.1	7.1	12-Nov-07			
9-Aug-07	14.5	15.5	13.5	26-Sep-07	8.6	9.6	7.8	13-Nov-07			
10-Aug-07	14.5	15.4	13.6	27-Sep-07	8.4	9.1	7.9	14-Nov-07			
11-Aug-07	13.9	14.3	13.5	28-Sep-07	6.9	7.7	6.2	15-Nov-07			
12-Aug-07	12.8	13.7	12.2	29-Sep-07	6.0	6.5	5.4	16-Nov-07			
13-Aug-07	12.7	14.0	11.6	30-Sep-07	5.8	6.3	5.3	17-Nov-07			
14-Aug-07	13.5	15.0	12.1	1-Oct-07	6.3	7.2	5.6	18-Nov-07			
15-Aug-07	15.4	17.0	14.0	2-Oct-07	6.1	7.1	5.2	19-Nov-07			
16-Aug-07	16.2	18.3	15.3	3-Oct-07	5.3	6.4	4.3	20-Nov-07			
17-Aug-07	16.1	17.0	15.2	4-Oct-07	4.5	4.9	4.0	21-Nov-07			
18-Aug-07	14.3	15.1	13.6	5-Oct-07	4.0	5.2	2.9	22-Nov-07			
19-Aug-07	13.7	14.5	12.8	6-Oct-07	4.3	5.3	3.0	23-Nov-07			
20-Aug-07	13.7	13.9	13.3	7-Oct-07	5.5	7.0	4.3	24-Nov-07			
21-Aug-07	13.4	14.2	12.8	8-Oct-07	4.1	5.4	3.1	25-Nov-07			
22-Aug-07	14.0	14.8	13.2	9-Oct-07	3.6	4.8	2.3	26-Nov-07			
23-Aug-07	14.0	15.2	12.9	10-Oct-07	4.0	5.2	3.1	27-Nov-07			
24-Aug-07	14.0	14.6	13.6	11-Oct-07	4.4	6.1	3.2	28-Nov-07			
25-Aug-07	12.9	13.7	12.0	12-Oct-07	3.1	5.2	2.1	29-Nov-07			
26-Aug-07	11.2	11.8	10.8	13-Oct-07	3.8	5.3	2.2	30-Nov-07			
27-Aug-07	11.6	12.7	10.6	14-Oct-07	5.7	8.1	3.7	1-Dec-07			
28-Aug-07	11.5	12.5	10.7	15-Oct-07	6.2	7.7	4.4	2-Dec-07			
29-Aug-07	11.5	11.8	11.2	16-Oct-07	6.8	8.0	5.9	3-Dec-07			
30-Aug-07	11.6	12.2	10.9	17-Oct-07	6.1	7.0	5.2	4-Dec-07			
31-Aug-07	12.2	13.5	11.0	18-Oct-07	4.5	5.3	3.9	5-Dec-07			
1-Sep-07	12.2	13.3	11.1	19-Oct-07	3.7	4.0	3.3	6-Dec-07			
2-Sep-07	11.9	12.8	11.0	20-Oct-07	2.9	3.6	2.5	7-Dec-07			
3-Sep-07	12.3	13.3	11.2	21-Oct-07	1.9	2.4	1.5	8-Dec-07			
4-Sep-07	12.4	13.2	11.7	22-Oct-07	2.5	3.1	2.0	9-Dec-07			
5-Sep-07	12.2	13.0	11.3	23-Oct-07	2.7	3.0	2.4	10-Dec-07			
6-Sep-07	11.5	12.2	10.6	24-Oct-07	2.8	3.4	2.3	11-Dec-07			
7-Sep-07	11.0	12.1	9.9	25-Oct-07	1.9	2.5	1.4	12-Dec-07			
8-Sep-07	11.1	12.2	10.0	26-Oct-07	1.3	1.6	0.8	13-Dec-07			
9-Sep-07	11.7	12.9	10.3	27-Oct-07	1.9	2.5	1.5	14-Dec-07			
10-Sep-07	12.8	14.2	11.4	28-Oct-07	1.8	2.1	1.5	15-Dec-07			
11-Sep-07	12.9	13.4	12.4	29-Oct-07	1.5	1.8	1.1	16-Dec-07			
12-Sep-07	11.9	12.8	10.9	30-Oct-07	1.1	1.5	0.6	17-Dec-07			

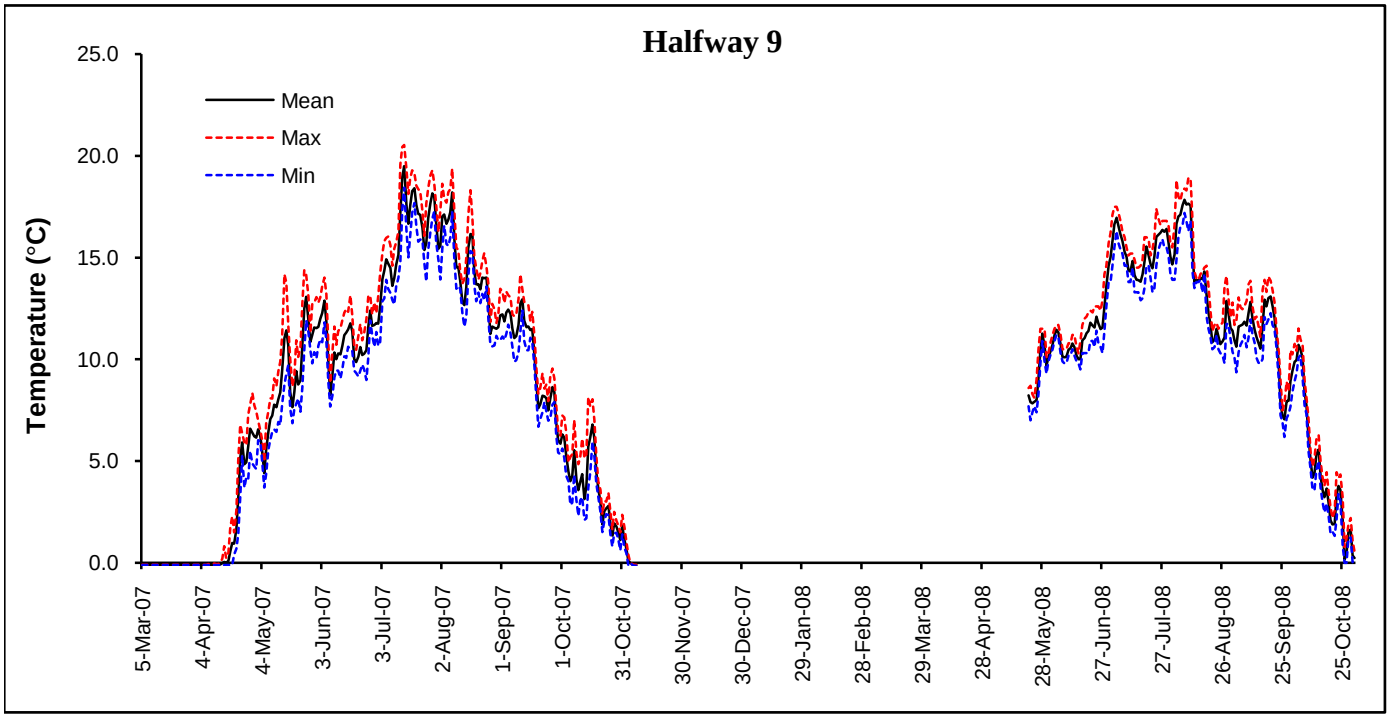
Appendix D 7: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Halfway 9

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
18-Dec-07				10-Feb-08				4-Apr-08			
19-Dec-07				11-Feb-08				5-Apr-08			
20-Dec-07				12-Feb-08				6-Apr-08			
21-Dec-07				13-Feb-08				7-Apr-08			
22-Dec-07				14-Feb-08				8-Apr-08			
23-Dec-07				15-Feb-08				9-Apr-08			
24-Dec-07				16-Feb-08				10-Apr-08			
25-Dec-07				17-Feb-08				11-Apr-08			
26-Dec-07				18-Feb-08				12-Apr-08			
27-Dec-07				19-Feb-08				13-Apr-08			
28-Dec-07				20-Feb-08				14-Apr-08			
29-Dec-07				21-Feb-08				15-Apr-08			
30-Dec-07				22-Feb-08				16-Apr-08			
31-Dec-07				23-Feb-08				17-Apr-08			
1-Jan-08				24-Feb-08				18-Apr-08			
2-Jan-08				25-Feb-08				19-Apr-08			
3-Jan-08				26-Feb-08				20-Apr-08			
4-Jan-08				27-Feb-08				21-Apr-08			
5-Jan-08				28-Feb-08				22-Apr-08			
6-Jan-08				29-Feb-08				23-Apr-08			
7-Jan-08				1-Mar-08				24-Apr-08			
8-Jan-08				2-Mar-08				25-Apr-08			
9-Jan-08				3-Mar-08				26-Apr-08			
10-Jan-08				4-Mar-08				27-Apr-08			
11-Jan-08				5-Mar-08				28-Apr-08			
12-Jan-08				6-Mar-08				29-Apr-08			
13-Jan-08				7-Mar-08				30-Apr-08			
14-Jan-08				8-Mar-08				1-May-08			
15-Jan-08				9-Mar-08				2-May-08			
16-Jan-08				10-Mar-08				3-May-08			
17-Jan-08				11-Mar-08				4-May-08			
18-Jan-08				12-Mar-08				5-May-08			
19-Jan-08				13-Mar-08				6-May-08			
20-Jan-08				14-Mar-08				7-May-08			
21-Jan-08				15-Mar-08				8-May-08			
22-Jan-08				16-Mar-08				9-May-08			
23-Jan-08				17-Mar-08				10-May-08			
24-Jan-08				18-Mar-08				11-May-08			
25-Jan-08				19-Mar-08				12-May-08			
26-Jan-08				20-Mar-08				13-May-08			
27-Jan-08				21-Mar-08				14-May-08			
28-Jan-08				22-Mar-08				15-May-08			
29-Jan-08				23-Mar-08				16-May-08			
30-Jan-08				24-Mar-08				17-May-08			
31-Jan-08				25-Mar-08				18-May-08			
1-Feb-08				26-Mar-08				19-May-08			
2-Feb-08				27-Mar-08				20-May-08			
3-Feb-08				28-Mar-08				21-May-08	8.2	8.6	7.7
4-Feb-08				29-Mar-08				22-May-08	7.9	8.7	7.0
5-Feb-08				30-Mar-08				23-May-08	7.8	8.3	7.4
6-Feb-08				31-Mar-08				24-May-08	7.9	8.1	7.7
7-Feb-08				1-Apr-08				25-May-08	8.0	9.0	7.4
8-Feb-08				2-Apr-08				26-May-08	9.1	10.5	8.3
9-Feb-08				3-Apr-08				27-May-08	10.4	11.5	9.8

Appendix D 7: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Halfway 9

Date	Mean	Max	Min
28-May-08	11.3	11.5	10.9
29-May-08	10.7	11.5	9.9
30-May-08	9.7	10.1	9.3
31-May-08	10.1	10.3	9.9
1-Jun-08	10.4	10.8	10.2
2-Jun-08	10.7	11.2	10.5
3-Jun-08	11.2	11.5	10.9
4-Jun-08	11.4	11.7	11.2
5-Jun-08	11.3	11.7	11.1
6-Jun-08	10.7	11.2	10.3
7-Jun-08	10.1	10.5	9.9
8-Jun-08	10.1	10.5	9.8
9-Jun-08	10.1	10.5	9.8
10-Jun-08	10.5	10.8	10.2
11-Jun-08	10.5	10.8	10.2
12-Jun-08	10.8	11.2	10.5
13-Jun-08	10.6	11.2	10.2
14-Jun-08	10.2	10.6	9.9
15-Jun-08	10.0	10.3	9.8
16-Jun-08	10.0	10.9	9.5
17-Jun-08	10.9	11.7	10.3
18-Jun-08	11.0	12.0	10.3
19-Jun-08	11.3	12.1	10.3
20-Jun-08	11.4	12.3	10.3
21-Jun-08	11.8	12.4	10.9
22-Jun-08	11.7	12.3	10.9
23-Jun-08	11.6	12.6	10.6
24-Jun-08	12.1	12.6	11.4
25-Jun-08	11.8	12.6	10.8
26-Jun-08	11.5	12.4	10.6
27-Jun-08	11.6	12.9	10.3
28-Jun-08	12.6	14.2	11.4
29-Jun-08	13.6	14.6	12.6
30-Jun-08	14.6	15.7	13.8
1-Jul-08	15.0	16.2	13.8
2-Jul-08	15.8	17.1	14.6
3-Jul-08	16.6	17.5	15.5
4-Jul-08	17.0	17.5	16.3
5-Jul-08	16.5	17.2	15.7
6-Jul-08	16.1	16.8	15.4
7-Jul-08	15.8	16.3	15.2
8-Jul-08	15.3	16.0	14.6
9-Jul-08	15.0	15.5	14.6
10-Jul-08	14.4	15.1	13.8
11-Jul-08	14.3	15.2	13.8
12-Jul-08	14.8	15.2	14.5
13-Jul-08	14.1	14.9	13.3
14-Jul-08	13.9	14.5	13.3
15-Jul-08	13.9	14.5	13.3
16-Jul-08	13.8	14.6	12.9
17-Jul-08	14.2	14.9	13.0
18-Jul-08	14.8	16.0	13.5
19-Jul-08	15.5	16.0	14.6
20-Jul-08	15.1	15.9	14.6
21-Jul-08	14.7	15.1	14.0
22-Jul-08	14.5	15.4	13.3
23-Jul-08	15.1	16.0	13.5
24-Jul-08	16.0	17.4	14.6
25-Jul-08	16.1	16.9	15.4
26-Jul-08	16.2	16.6	15.7
27-Jul-08	16.4	16.8	15.9
28-Jul-08	16.3	16.8	15.5
29-Jul-08	16.4	16.8	15.5
30-Jul-08	15.7	16.6	15.1
31-Jul-08	15.0	15.7	14.2
1-Aug-08	14.7	15.5	13.9
2-Aug-08	15.1	16.6	13.9
3-Aug-08	16.7	18.8	14.9
4-Aug-08	17.0	18.0	16.0
5-Aug-08	17.1	17.8	16.5
6-Aug-08	17.6	18.3	16.6
7-Aug-08	17.8	18.4	17.2
8-Aug-08	17.6	18.3	16.8
9-Aug-08	17.6	18.9	16.3
10-Aug-08	17.6	18.9	16.8
11-Aug-08	15.3	16.8	14.3
12-Aug-08	13.7	14.3	13.5
13-Aug-08	13.9	14.0	13.8
14-Aug-08	13.9	13.9	13.8
15-Aug-08	14.0	14.2	13.9
16-Aug-08	13.9	14.3	13.3
17-Aug-08	14.3	14.5	14.2
18-Aug-08	13.2	14.6	12.1
19-Aug-08	12.3	13.6	11.5
20-Aug-08	11.7	12.4	11.1
21-Aug-08	10.8	11.4	10.5
22-Aug-08	11.0	11.7	10.6
23-Aug-08	11.5	11.8	11.2
24-Aug-08	11.1	11.5	10.5
25-Aug-08	10.7	11.7	10.3
26-Aug-08	10.9	11.8	10.2
27-Aug-08	11.1	13.6	9.8
28-Aug-08	12.9	14.1	11.7
29-Aug-08	12.3	13.0	11.7
30-Aug-08	11.5	12.1	11.0
31-Aug-08	11.4	12.8	10.4
1-Sep-08	10.9	11.7	10.1
2-Sep-08	10.6	11.9	9.4
3-Sep-08	11.6	13.0	10.3
4-Sep-08	11.7	12.6	10.7
5-Sep-08	11.7	12.5	10.9
6-Sep-08	11.8	12.6	11.2
7-Sep-08	11.7	12.9	10.6
8-Sep-08	12.3	13.7	11.1
9-Sep-08	12.8	13.9	12.0
10-Sep-08	12.0	12.6	11.2
11-Sep-08	11.4	12.0	10.8
12-Sep-08	11.1	12.1	10.1
13-Sep-08	10.8	11.7	9.8
14-Sep-08	10.5	11.1	9.8
15-Sep-08	11.6	13.4	10.0
16-Sep-08	12.9	13.9	12.1
17-Sep-08	12.6	13.3	11.7
18-Sep-08	13.0	14.1	12.0
19-Sep-08	13.1	13.9	12.3
20-Sep-08	12.6	13.4	11.7
21-Sep-08	12.1	12.8	11.5
22-Sep-08	11.1	11.6	10.6
23-Sep-08	9.9	10.4	9.1
24-Sep-08	7.8	8.9	7.2
25-Sep-08	7.2	7.5	6.9
26-Sep-08	7.0	7.8	6.2
27-Sep-08	7.9	8.9	7.1
28-Sep-08	8.0	8.4	7.3
29-Sep-08	8.9	10.4	7.7
30-Sep-08	9.4	10.2	8.4
1-Oct-08	9.9	10.8	8.9
2-Oct-08	10.0	10.4	9.3
3-Oct-08	10.7	11.5	10.1
4-Oct-08	10.5	11.0	10.2
5-Oct-08	10.0	10.7	9.1
6-Oct-08	8.4	9.0	7.7
7-Oct-08	7.7	8.1	7.3
8-Oct-08	6.3	7.1	5.5
9-Oct-08	5.0	5.4	4.6
10-Oct-08	4.2	4.7	3.6
11-Oct-08	4.4	5.2	3.6
12-Oct-08	5.3	6.1	4.6
13-Oct-08	5.6	6.3	5.0
14-Oct-08	4.3	5.0	3.7
15-Oct-08	3.6	4.2	3.0
16-Oct-08	3.2	3.8	2.5
17-Oct-08	3.7	4.5	2.9
18-Oct-08	3.0	3.5	2.3
19-Oct-08	2.1	2.7	1.5
20-Oct-08	1.9	2.2	1.5
21-Oct-08	1.9	2.6	1.3
22-Oct-08	3.3	4.5	2.2
23-Oct-08	3.8	4.2	3.4
24-Oct-08	3.6	4.4	3.0
25-Oct-08	2.1	3.2	0.9
26-Oct-08	0.2	0.8	0.0
27-Oct-08	0.5	1.2	0.0
28-Oct-08	1.5	1.9	1.2
29-Oct-08	1.6	2.2	1.2
30-Oct-08	0.4	1.1	0.0
31-Oct-08	0.2	0.6	0.0

Appendix D 7: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Halfway 9



Appendix D 8: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Farrell 11

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
4-Mar-07	0.0	0.0	0.0	23-Apr-07	6.0	9.1	2.6	12-Jun-07	16.6	19.5	13.4
5-Mar-07	0.0	0.0	0.0	24-Apr-07	5.3	6.5	4.1	13-Jun-07	16.9	20.9	12.9
6-Mar-07	0.0	0.0	0.0	25-Apr-07	4.5	7.1	2.0	14-Jun-07	17.8	21.1	14.6
7-Mar-07	0.0	0.0	0.0	26-Apr-07	3.8	5.9	1.6	15-Jun-07	17.7	21.8	14.1
8-Mar-07	0.0	0.0	0.0	27-Apr-07	4.3	7.5	1.0	16-Jun-07	18.0	20.4	15.7
9-Mar-07	0.0	0.0	0.0	28-Apr-07	4.7	7.0	2.3	17-Jun-07	17.7	21.4	14.4
10-Mar-07	0.0	0.0	0.0	29-Apr-07	5.1	8.2	1.6	18-Jun-07	17.4	19.7	15.5
11-Mar-07	0.0	0.0	0.0	30-Apr-07	6.0	8.5	3.1	19-Jun-07	16.2	18.1	14.2
12-Mar-07	0.0	0.0	0.0	1-May-07	6.5	9.6	3.1	20-Jun-07	15.4	17.2	13.4
13-Mar-07	-0.1	0.0	-0.1	2-May-07	6.7	7.4	5.6	21-Jun-07	16.0	18.7	13.8
14-Mar-07	-0.1	-0.1	-0.1	3-May-07	6.9	7.6	6.1	22-Jun-07	16.2	20.1	12.4
15-Mar-07	-0.3	-0.1	-0.5	4-May-07	5.9	6.7	4.7	23-Jun-07	14.5	16.6	13.8
16-Mar-07	-0.5	-0.5	-0.5	5-May-07	5.0	6.8	3.7	24-Jun-07	15.2	18.8	11.7
17-Mar-07	-0.5	-0.4	-0.5	6-May-07	5.9	9.1	3.4	25-Jun-07	16.6	20.3	12.8
18-Mar-07	-0.4	-0.4	-0.4	7-May-07	6.4	8.3	4.4	26-Jun-07	18.0	22.0	14.0
19-Mar-07	-0.4	-0.4	-0.4	8-May-07	6.9	8.8	5.2	27-Jun-07	17.9	20.2	16.2
20-Mar-07	-0.4	-0.3	-0.4	9-May-07	7.2	9.4	5.5	28-Jun-07	16.6	18.6	15.1
21-Mar-07	-0.3	-0.3	-0.4	10-May-07	8.0	10.7	5.4	29-Jun-07	18.3	21.6	15.2
22-Mar-07	-0.3	-0.2	-0.3	11-May-07	7.3	9.6	4.7	30-Jun-07	17.1	18.7	16.0
23-Mar-07	-0.1	-0.1	-0.2	12-May-07	8.0	10.4	5.5	1-Jul-07	16.7	20.0	14.4
24-Mar-07	-0.1	0.0	-0.1	13-May-07	8.5	12.2	4.9	2-Jul-07	17.6	21.4	13.5
25-Mar-07	0.0	0.1	-0.1	14-May-07	9.4	12.3	5.9	3-Jul-07	19.9	24.2	16.3
26-Mar-07	0.1	0.5	-0.1	15-May-07	11.1	14.4	7.2	4-Jul-07	20.2	24.1	16.2
27-Mar-07	0.0	0.1	0.0	16-May-07	11.5	13.4	9.4	5-Jul-07	20.6	24.7	17.5
28-Mar-07	0.0	0.1	-0.1	17-May-07	10.2	13.0	8.2	6-Jul-07	18.9	23.1	14.8
29-Mar-07	0.0	0.3	-0.1	18-May-07	9.0	10.9	7.8	7-Jul-07	18.5	21.9	14.5
30-Mar-07	0.0	0.1	0.0	19-May-07	9.0	11.2	7.4	8-Jul-07	17.1	19.0	15.6
31-Mar-07	0.0	0.2	-0.1	20-May-07	9.3	11.0	7.9	9-Jul-07	19.2	23.7	15.3
1-Apr-07				21-May-07	9.7	12.5	7.0	10-Jul-07	19.9	24.0	16.3
2-Apr-07				22-May-07	8.5	10.2	7.1	11-Jul-07	21.0	24.2	18.2
3-Apr-07				23-May-07	9.0	12.2	6.1	12-Jul-07	22.4	28.5	17.0
4-Apr-07				24-May-07	7.5	9.7	6.2	13-Jul-07	24.0	29.6	18.9
5-Apr-07	-0.1	0.0	-0.1	25-May-07	12.6	16.4	8.5	14-Jul-07	24.4	29.1	20.7
6-Apr-07	0.0	0.1	-0.1	26-May-07	13.4	15.4	11.0	15-Jul-07	20.4	22.8	19.0
7-Apr-07	0.0	0.2	-0.1	27-May-07	14.4	17.8	11.7	16-Jul-07	21.3	26.7	16.3
8-Apr-07	0.0	0.3	0.0	28-May-07	12.7	14.1	11.6	17-Jul-07	22.2	27.2	17.5
9-Apr-07	0.0	0.1	-0.1	29-May-07	13.6	17.3	9.7	18-Jul-07	23.0	27.1	19.7
10-Apr-07	0.0	0.0	-0.1	30-May-07	15.6	17.9	13.1	19-Jul-07	21.7	24.8	19.6
11-Apr-07	0.0	0.0	-0.1	31-May-07	16.3	19.8	12.7	20-Jul-07	20.1	24.8	16.6
12-Apr-07	0.0	0.1	-0.1	1-Jun-07	16.2	19.1	13.2	21-Jul-07	19.8	25.3	15.4
13-Apr-07	0.1	0.4	-0.1	2-Jun-07	18.1	21.9	14.5	22-Jul-07	20.1	24.6	16.6
14-Apr-07	0.3	1.3	-0.1	3-Jun-07	19.5	23.1	15.8	23-Jul-07	19.1	20.8	17.1
15-Apr-07	0.8	3.1	-0.1	4-Jun-07	20.4	23.7	17.0	24-Jul-07	17.8	21.8	15.1
16-Apr-07	1.5	3.9	-0.1	5-Jun-07	18.7	20.6	17.8	25-Jul-07	18.8	25.5	13.6
17-Apr-07	2.4	4.7	0.4	6-Jun-07	18.5	19.4	17.6	26-Jul-07	19.9	25.5	15.2
18-Apr-07	2.3	6.0	0.2	7-Jun-07	16.1	18.9	13.5	27-Jul-07	21.2	26.8	16.9
19-Apr-07	2.0	4.8	0.0	8-Jun-07	16.5	19.1	13.7	28-Jul-07	21.4	25.3	18.2
20-Apr-07	1.6	3.0	0.5	9-Jun-07	17.4	19.9	14.6	29-Jul-07	20.2	24.1	17.8
21-Apr-07	3.2	5.0	1.3	10-Jun-07	17.5	19.5	15.9	30-Jul-07	18.0	22.8	14.3
22-Apr-07	5.3	8.6	2.3	11-Jun-07	17.1	21.0	13.8	31-Jul-07	16.4	19.0	14.1

Appendix D 8: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Farrell 11

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
1-Aug-07	18.1	24.7	12.4	20-Sep-07	8.9	11.6	7.0	9-Nov-07	0.0	0.0	0.0
2-Aug-07	19.6	25.7	14.5	21-Sep-07	9.2	12.7	7.0	10-Nov-07	0.0	0.0	0.0
3-Aug-07	19.2	20.8	17.6	22-Sep-07	8.9	10.3	7.8	11-Nov-07	0.0	0.0	0.0
4-Aug-07	19.6	24.1	16.7	23-Sep-07	9.2	12.2	7.2	12-Nov-07	0.0	0.0	0.0
5-Aug-07	19.6	25.2	16.0	24-Sep-07	8.0	9.7	6.5	13-Nov-07	0.0	0.0	-0.1
6-Aug-07	20.2	25.1	16.2	25-Sep-07	9.2	12.1	7.6	14-Nov-07	0.0	0.0	0.0
7-Aug-07	20.5	24.9	18.0	26-Sep-07	9.4	12.1	7.6	15-Nov-07	0.0	0.0	0.0
8-Aug-07	16.5	18.2	14.7	27-Sep-07	9.0	11.4	8.0	16-Nov-07	0.0	0.0	0.0
9-Aug-07	15.9	20.6	12.4	28-Sep-07	6.4	7.6	5.6	17-Nov-07	0.0	0.0	0.0
10-Aug-07	16.3	20.8	13.6	29-Sep-07	6.2	7.7	4.7	18-Nov-07	0.0	0.0	0.0
11-Aug-07	15.2	17.4	13.7	30-Sep-07	6.7	8.2	5.2	19-Nov-07	0.0	0.0	0.0
12-Aug-07	14.1	14.9	13.4	1-Oct-07	7.3	9.5	5.8	20-Nov-07	0.0	0.0	0.0
13-Aug-07	14.9	19.7	11.9	2-Oct-07	7.0	10.0	5.3	21-Nov-07	0.0	0.0	0.0
14-Aug-07	15.7	21.9	10.6	3-Oct-07	5.2	8.1	3.3	22-Nov-07	0.0	0.0	0.0
15-Aug-07	18.5	24.0	14.7	4-Oct-07	4.7	5.6	4.0	23-Nov-07	0.0	0.0	0.0
16-Aug-07	18.7	24.0	14.9	5-Oct-07	4.5	6.2	2.7	24-Nov-07	0.0	0.0	0.0
17-Aug-07	17.0	18.1	15.5	6-Oct-07	5.0	7.3	3.1	25-Nov-07	0.0	0.0	0.0
18-Aug-07	15.4	18.3	13.4	7-Oct-07	6.5	8.5	5.3	26-Nov-07	0.0	0.0	0.0
19-Aug-07	15.4	18.2	13.5	8-Oct-07	4.8	7.5	2.8	27-Nov-07	0.0	0.0	0.0
20-Aug-07	14.8	15.6	14.0	9-Oct-07	3.4	4.9	1.7	28-Nov-07	0.0	0.0	0.0
21-Aug-07	15.5	18.6	13.5	10-Oct-07	4.4	7.0	2.8	29-Nov-07	0.0	0.0	0.0
22-Aug-07	16.6	19.7	14.4	11-Oct-07	4.6	7.6	2.6	30-Nov-07	0.0	0.0	0.0
23-Aug-07	16.4	20.2	13.6	12-Oct-07	3.5	5.9	1.8	1-Dec-07	0.0	0.0	0.0
24-Aug-07	15.9	17.6	14.7	13-Oct-07	3.6	5.4	2.2	2-Dec-07	0.0	0.0	0.0
25-Aug-07	14.2	15.2	12.8	14-Oct-07	5.3	7.5	3.4	3-Dec-07	0.0	0.0	0.0
26-Aug-07	12.5	14.1	11.3	15-Oct-07	5.9	7.3	4.5	4-Dec-07	0.0	0.0	0.0
27-Aug-07	13.4	16.5	10.5	16-Oct-07	6.9	8.6	5.9	5-Dec-07	0.0	0.0	0.0
28-Aug-07	13.4	16.1	11.1	17-Oct-07	6.5	8.1	4.9	6-Dec-07	0.0	0.0	0.0
29-Aug-07	13.5	14.4	12.8	18-Oct-07	3.5	4.7	2.3	7-Dec-07	0.0	0.0	0.0
30-Aug-07	14.3	16.1	12.8	19-Oct-07	2.8	4.1	1.8	8-Dec-07	0.0	0.0	0.0
31-Aug-07	14.4	17.0	11.8	20-Oct-07	2.5	3.4	1.6	9-Dec-07	0.0	0.0	0.0
1-Sep-07	13.8	16.3	11.3	21-Oct-07	1.0	2.1	0.0	10-Dec-07	0.0	0.0	0.0
2-Sep-07	13.5	15.7	11.3	22-Oct-07	2.9	4.1	1.6	11-Dec-07	0.0	0.0	0.0
3-Sep-07	14.3	16.9	11.8	23-Oct-07	3.4	3.8	3.0	12-Dec-07	0.0	0.0	0.0
4-Sep-07	14.6	16.8	12.8	24-Oct-07	3.2	4.2	2.0	13-Dec-07	0.0	0.0	0.0
5-Sep-07	13.7	16.3	11.4	25-Oct-07	1.1	2.1	-0.1	14-Dec-07	0.0	0.0	0.0
6-Sep-07	12.9	15.3	10.4	26-Oct-07	0.5	1.4	-0.1	15-Dec-07	0.0	0.0	0.0
7-Sep-07	11.9	14.7	9.3	27-Oct-07	1.7	3.5	0.4	16-Dec-07	0.0	0.0	0.0
8-Sep-07	12.3	15.3	9.7	28-Oct-07	1.4	2.0	0.5	17-Dec-07	0.0	0.0	0.0
9-Sep-07	13.1	16.1	10.1	29-Oct-07	1.2	1.9	0.4	18-Dec-07	0.0	0.0	0.0
10-Sep-07	14.6	18.0	11.7	30-Oct-07	0.7	1.7	-0.1	19-Dec-07	0.0	0.0	0.0
11-Sep-07	13.9	14.7	12.7	31-Oct-07	1.8	2.9	1.2	20-Dec-07	0.0	0.0	0.0
12-Sep-07	12.2	15.5	9.8	1-Nov-07	0.4	1.5	-0.1	21-Dec-07	0.0	0.0	0.0
13-Sep-07	11.8	15.2	9.1	2-Nov-07	0.2	1.3	-0.1	22-Dec-07	0.0	0.0	0.0
14-Sep-07	11.9	14.8	9.4	3-Nov-07	0.0	0.0	-0.1	23-Dec-07	0.0	0.0	0.0
15-Sep-07	12.0	13.5	10.9	4-Nov-07	-0.1	0.0	-0.1	24-Dec-07	0.0	0.0	0.0
16-Sep-07	12.4	15.4	11.2	5-Nov-07	0.0	0.0	-0.1	25-Dec-07	0.0	0.0	0.0
17-Sep-07	10.4	13.9	7.8	6-Nov-07	0.0	0.0	-0.1	26-Dec-07	0.0	0.0	0.0
18-Sep-07	8.7	10.0	7.0	7-Nov-07	0.0	0.0	-0.1	27-Dec-07	0.0	0.0	0.0
19-Sep-07	7.3	10.1	5.1	8-Nov-07	0.0	0.0	0.0	28-Dec-07	0.0	0.0	0.0

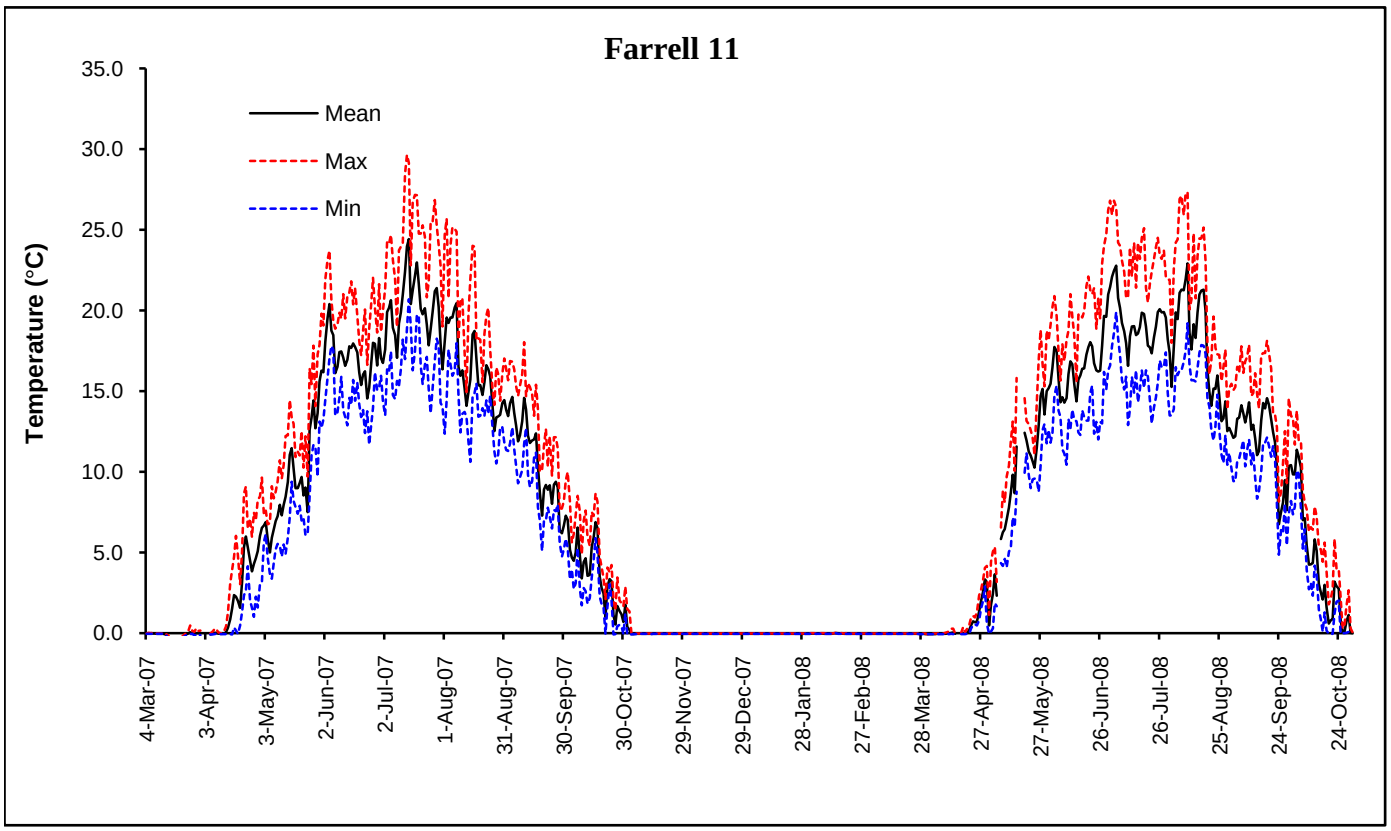
Appendix D 8: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Farrell 11

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
29-Dec-07	0.0	0.0	0.0	20-Feb-08	0.0	0.0	0.0	13-Apr-08	0.0	0.3	-0.1
30-Dec-07	0.0	0.0	0.0	21-Feb-08	0.0	0.0	0.0	14-Apr-08	0.0	0.0	-0.1
31-Dec-07	0.0	0.0	0.0	22-Feb-08	0.0	0.0	0.0	15-Apr-08			
1-Jan-08	0.0	0.0	0.0	23-Feb-08	0.0	0.0	0.0	16-Apr-08			
2-Jan-08	0.0	0.0	0.0	24-Feb-08	0.0	0.0	0.0	17-Apr-08	0.0	0.0	-0.1
3-Jan-08	0.0	0.0	0.0	25-Feb-08	0.0	0.0	0.0	18-Apr-08	0.0	0.4	-0.1
4-Jan-08	0.0	0.0	0.0	26-Feb-08	0.0	0.0	0.0	19-Apr-08	0.0	0.1	-0.1
5-Jan-08	0.0	0.0	0.0	27-Feb-08	0.0	0.0	0.0	20-Apr-08	0.0	0.2	0.0
6-Jan-08	0.0	0.0	0.0	28-Feb-08	0.0	0.0	0.0	21-Apr-08	0.2	0.5	0.0
7-Jan-08	0.0	0.0	0.0	29-Feb-08	0.0	0.0	0.0	22-Apr-08	0.5	1.0	0.3
8-Jan-08	0.0	0.0	0.0	1-Mar-08	0.0	0.0	0.0	23-Apr-08	0.7	1.1	0.5
9-Jan-08	0.0	0.0	0.0	2-Mar-08	0.0	0.0	0.0	24-Apr-08	0.7	1.0	0.6
10-Jan-08	0.0	0.0	0.0	3-Mar-08	0.0	0.0	0.0	25-Apr-08	0.7	1.3	0.5
11-Jan-08	0.0	0.0	0.0	4-Mar-08	0.0	0.0	0.0	26-Apr-08	1.3	2.3	0.8
12-Jan-08	0.0	0.0	0.0	5-Mar-08	0.0	0.0	0.0	27-Apr-08	2.0	2.7	1.5
13-Jan-08	0.0	0.0	0.0	6-Mar-08	0.0	0.0	0.0	28-Apr-08	2.5	3.3	2.0
14-Jan-08	0.0	0.0	0.0	7-Mar-08	0.0	0.0	0.0	29-Apr-08	3.3	4.0	2.9
15-Jan-08	0.0	0.0	0.0	8-Mar-08	0.0	0.0	0.0	30-Apr-08	3.2	4.2	0.6
16-Jan-08	0.0	0.0	0.0	9-Mar-08	0.0	0.0	0.0	1-May-08	0.5	1.1	0.0
17-Jan-08	0.0	0.0	0.0	10-Mar-08	0.0	0.0	0.0	2-May-08	1.7	4.4	0.1
18-Jan-08	0.0	0.0	0.0	11-Mar-08	0.0	0.0	0.0	3-May-08	2.4	5.1	0.3
19-Jan-08	0.0	0.0	0.0	12-Mar-08	0.0	0.0	0.0	4-May-08	3.7	5.3	1.9
20-Jan-08	0.0	0.0	0.0	13-Mar-08	0.0	0.0	0.0	5-May-08	2.3	3.2	1.7
21-Jan-08	0.0	0.0	0.0	14-Mar-08	0.0	0.0	0.0	6-May-08			
22-Jan-08	0.0	0.0	0.0	15-Mar-08	0.0	0.0	0.0	7-May-08	5.8	6.5	4.4
23-Jan-08	0.0	0.0	0.0	16-Mar-08	0.0	0.0	0.0	8-May-08	6.3	8.8	4.2
24-Jan-08	0.0	0.0	0.0	17-Mar-08	0.0	0.0	0.0	9-May-08	6.5	8.1	4.6
25-Jan-08	0.0	0.0	0.0	18-Mar-08	0.0	0.0	0.0	10-May-08	7.1	9.7	4.1
26-Jan-08	0.0	0.0	0.0	19-Mar-08	0.0	0.0	0.0	11-May-08	7.8	10.4	5.1
27-Jan-08	0.0	0.0	0.0	20-Mar-08	0.0	0.0	0.0	12-May-08	8.7	11.9	5.3
28-Jan-08	0.0	0.0	0.0	21-Mar-08	0.0	0.0	0.0	13-May-08	9.8	13.1	7.2
29-Jan-08	0.0	0.0	0.0	22-Mar-08	0.0	0.0	0.0	14-May-08	8.7	10.1	6.6
30-Jan-08	0.0	0.0	0.0	23-Mar-08	0.0	0.0	0.0	15-May-08	11.6	15.8	8.8
31-Jan-08	0.0	0.0	0.0	24-Mar-08	0.0	0.0	0.0	16-May-08			
1-Feb-08	0.0	0.0	0.0	25-Mar-08	0.0	0.0	0.0	17-May-08			
2-Feb-08	0.0	0.0	0.0	26-Mar-08	0.0	0.0	0.0	18-May-08			
3-Feb-08	0.0	0.0	0.0	27-Mar-08	0.0	0.0	-0.1	19-May-08	12.4	14.6	10.0
4-Feb-08	0.0	0.0	0.0	28-Mar-08	0.0	0.0	-0.1	20-May-08	11.9	13.2	11.2
5-Feb-08	0.0	0.0	0.0	29-Mar-08	0.0	0.0	-0.1	21-May-08	11.2	12.9	9.8
6-Feb-08	0.0	0.0	0.0	30-Mar-08	-0.1	0.0	-0.1	22-May-08	11.0	12.6	9.0
7-Feb-08	0.0	0.0	0.0	31-Mar-08	-0.1	-0.1	-0.1	23-May-08	10.7	12.1	9.5
8-Feb-08	0.0	0.0	0.0	1-Apr-08	-0.1	-0.1	-0.1	24-May-08	10.3	11.1	9.6
9-Feb-08	0.0	0.0	0.0	2-Apr-08	-0.1	-0.1	-0.1	25-May-08	11.5	14.3	9.5
10-Feb-08	0.0	0.0	0.0	3-Apr-08	-0.1	0.0	-0.1	26-May-08	12.9	16.9	8.8
11-Feb-08	0.0	0.0	0.0	4-Apr-08	-0.1	0.0	-0.1	27-May-08	14.7	18.8	10.4
12-Feb-08	0.0	0.0	0.0	5-Apr-08	0.0	0.0	-0.1	28-May-08	15.1	16.7	12.6
13-Feb-08	0.0	0.0	0.0	6-Apr-08	0.0	0.0	-0.1	29-May-08	13.6	15.3	13.0
14-Feb-08	0.0	0.0	0.0	7-Apr-08	0.0	0.0	-0.1	30-May-08	15.0	18.7	11.8
15-Feb-08	0.0	0.0	0.0	8-Apr-08	0.0	0.0	-0.1	31-May-08	15.2	18.2	12.6
16-Feb-08	0.0	0.0	0.0	9-Apr-08	0.0	0.0	-0.1	1-Jun-08	15.5	19.1	11.8
17-Feb-08	0.0	0.0	0.0	10-Apr-08	0.0	0.1	-0.1	2-Jun-08	16.5	20.2	12.4
18-Feb-08	0.0	0.0	0.0	11-Apr-08	0.0	0.1	-0.1	3-Jun-08	17.7	20.9	14.7
19-Feb-08	0.0	0.0	0.0	12-Apr-08	0.0	0.3	0.0	4-Jun-08	17.5	19.7	15.3

Appendix D 8: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Farrell 11

Date	Mean	Max	Min
5-Jun-08	15.8	17.4	13.8
6-Jun-08	14.3	15.7	13.4
7-Jun-08	14.6	17.9	11.4
8-Jun-08	14.3	16.9	11.1
9-Jun-08	14.6	18.2	10.4
10-Jun-08	16.0	18.7	13.3
11-Jun-08	16.8	21.0	12.7
12-Jun-08	16.7	19.6	13.9
13-Jun-08	15.5	18.5	13.2
14-Jun-08	14.4	15.5	13.1
15-Jun-08	15.7	19.7	12.4
16-Jun-08	16.0	19.8	12.3
17-Jun-08	16.4	19.6	13.8
18-Jun-08	16.4	19.9	13.4
19-Jun-08	17.3	21.5	13.2
20-Jun-08	17.7	22.1	13.2
21-Jun-08	18.0	21.3	14.9
22-Jun-08	17.8	21.0	15.3
23-Jun-08	16.7	21.4	12.4
24-Jun-08	16.3	18.8	13.1
25-Jun-08	16.2	20.7	12.0
26-Jun-08	16.3	19.5	13.1
27-Jun-08	17.8	22.9	13.0
28-Jun-08	19.7	24.0	16.2
29-Jun-08	19.6	24.7	15.1
30-Jun-08	21.0	26.2	16.3
1-Jul-08	21.4	26.8	16.6
2-Jul-08	22.1	25.9	17.8
3-Jul-08	22.5	26.8	18.6
4-Jul-08	22.8	26.4	19.9
5-Jul-08	20.8	24.2	18.3
6-Jul-08	20.2	24.0	17.2
7-Jul-08	19.2	23.1	15.7
8-Jul-08	18.7	22.4	15.1
9-Jul-08	18.0	20.8	15.9
10-Jul-08	16.6	20.8	12.9
11-Jul-08	18.4	23.9	13.9
12-Jul-08	19.0	22.1	15.9
13-Jul-08	19.0	24.2	14.9
14-Jul-08	18.5	21.4	16.3
15-Jul-08	18.6	24.2	14.3
16-Jul-08	19.0	23.2	15.1
17-Jul-08	19.9	24.5	16.3
18-Jul-08	19.8	25.1	15.2
19-Jul-08	19.0	21.4	16.3
20-Jul-08	17.8	20.5	15.9
21-Jul-08	17.7	21.6	14.5
22-Jul-08	17.3	22.4	13.0
23-Jul-08	18.3	23.2	14.0
24-Jul-08	19.0	23.9	14.6
25-Jul-08	19.9	24.5	15.5
26-Jul-08	20.1	23.4	16.9
27-Jul-08	19.9	23.2	16.5
28-Jul-08	19.9	23.7	16.5
29-Jul-08	19.6	22.1	17.4
30-Jul-08	18.2	21.9	14.9
31-Jul-08	17.4	21.9	13.5
1-Aug-08	15.3	18.0	13.5
2-Aug-08	17.7	22.6	13.9
3-Aug-08	19.9	24.2	16.5
4-Aug-08	19.5	24.4	16.0
5-Aug-08	21.1	26.9	16.3
6-Aug-08	21.3	27.1	16.3
7-Aug-08	21.3	25.9	16.8
8-Aug-08	22.0	27.3	17.5
9-Aug-08	22.9	27.3	19.2
10-Aug-08	18.6	20.1	16.6
11-Aug-08	17.6	20.7	15.7
12-Aug-08	19.1	24.8	15.7
13-Aug-08	18.3	20.7	15.6
14-Aug-08	19.9	23.4	16.4
15-Aug-08	21.0	24.5	17.4
16-Aug-08	21.2	24.5	17.9
17-Aug-08	21.3	25.1	17.8
18-Aug-08	20.0	23.1	17.3
19-Aug-08	16.3	17.8	14.6
20-Aug-08	15.0	16.1	14.1
21-Aug-08	14.1	16.8	12.6
22-Aug-08	15.2	19.6	12.0
23-Aug-08	15.1	17.7	12.8
24-Aug-08	16.0	17.3	14.8
25-Aug-08	14.7	17.2	12.6
26-Aug-08	13.1	15.6	11.1
27-Aug-08	13.3	16.5	10.6
28-Aug-08	14.4	17.6	12.3
29-Aug-08	12.5	13.9	10.4
30-Aug-08	12.7	15.2	11.2
31-Aug-08	12.4	15.5	10.2
1-Sep-08	12.1	15.1	9.4
2-Sep-08	12.2	15.2	9.4
3-Sep-08	13.3	16.5	10.7
4-Sep-08	13.4	16.2	10.8
5-Sep-08	14.1	17.8	11.4
6-Sep-08	13.6	16.1	12.0
7-Sep-08	13.1	16.8	10.3
8-Sep-08	13.6	17.1	11.3
9-Sep-08	14.3	17.9	12.0
10-Sep-08	12.6	14.7	10.5
11-Sep-08	12.9	14.9	11.2
12-Sep-08	12.1	16.1	9.6
13-Sep-08	11.0	14.8	8.3
14-Sep-08	11.3	13.9	8.8
15-Sep-08	13.2	17.2	10.0
16-Sep-08	14.3	17.4	11.8
17-Sep-08	13.9	17.4	11.8
18-Sep-08	14.6	18.1	12.1
19-Sep-08	14.2	17.4	11.6
20-Sep-08	13.3	16.4	10.9
21-Sep-08	12.5	13.6	11.6
22-Sep-08	11.8	13.5	10.8
23-Sep-08	10.3	12.8	8.0
24-Sep-08	6.8	8.1	4.9
25-Sep-08	7.5	8.7	6.4
26-Sep-08	8.1	10.5	6.2
27-Sep-08	9.5	12.5	8.0
28-Sep-08	7.6	9.3	5.4
29-Sep-08	10.4	14.6	7.4
30-Sep-08	10.4	13.4	8.2
1-Oct-08	9.8	13.4	7.4
2-Oct-08	9.8	11.7	7.8
3-Oct-08	11.4	13.8	10.1
4-Oct-08	11.0	12.0	9.9
5-Oct-08	10.3	11.9	7.7
6-Oct-08	7.0	8.8	5.2
7-Oct-08	7.1	8.1	6.5
8-Oct-08	5.4	7.7	3.9
9-Oct-08	4.2	6.3	2.7
10-Oct-08	4.3	6.6	3.1
11-Oct-08	4.3	6.4	2.3
12-Oct-08	5.8	7.8	4.2
13-Oct-08	5.1	7.2	3.6
14-Oct-08	3.0	5.3	1.5
15-Oct-08	2.5	5.2	0.9
16-Oct-08	2.1	4.4	0.1
17-Oct-08	3.0	5.6	1.3
18-Oct-08	1.6	3.8	0.2
19-Oct-08	0.6	1.8	0.0
20-Oct-08	0.8	2.1	-0.1
21-Oct-08	0.9	2.7	0.0
22-Oct-08	3.2	5.8	1.2
23-Oct-08	2.9	4.0	1.9
24-Oct-08	2.8	4.0	2.0
25-Oct-08	0.8	2.2	0.0
26-Oct-08	0.1	0.3	0.0
27-Oct-08	0.1	0.5	0.0
28-Oct-08	0.7	1.6	0.0
29-Oct-08	1.1	2.7	0.1
30-Oct-08	0.0	0.3	-0.1
31-Oct-08	0.0	0.1	0.0

Appendix D 8: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Farrell 11



Appendix D 9: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Pine 16

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
3-Nov-06	-0.1	0.0	-0.1	15-Feb-07	-0.3	-0.2	-0.3	6-Apr-07	-0.1	-0.1	-0.1
4-Nov-06	-0.1	-0.1	-0.1	16-Feb-07	-0.2	-0.1	-0.2	7-Apr-07	-0.1	0.0	-0.1
5-Nov-06	-0.1	-0.1	-0.1	17-Feb-07	-0.1	-0.1	-0.1	8-Apr-07	-0.1	-0.1	-0.1
6-Nov-06	-0.1	0.0	-0.1	18-Feb-07	-0.2	-0.1	-0.2	9-Apr-07	-0.1	-0.1	-0.1
7-Nov-06	0.0	0.0	-0.1	19-Feb-07	-0.2	-0.2	-0.2	10-Apr-07	-0.1	-0.1	-0.1
8-Nov-06	0.0	0.0	-0.1	20-Feb-07	-0.2	-0.2	-0.2	11-Apr-07	-0.1	0.0	-0.1
9-Nov-06	0.0	0.1	-0.1	21-Feb-07	-0.2	-0.2	-0.2	12-Apr-07	-0.1	0.0	-0.1
10-Nov-06	-0.1	0.1	-0.4	22-Feb-07	-0.2	-0.2	-0.2	13-Apr-07	-0.1	0.0	-0.1
11-Nov-06	-0.1	-0.1	-0.1	23-Feb-07	-0.2	-0.1	-0.2	14-Apr-07	-0.1	0.0	-0.1
12-Nov-06	-0.1	-0.1	-0.1	24-Feb-07	-0.1	-0.1	-0.1	15-Apr-07	-0.1	-0.1	-0.1
13-Nov-06	-0.1	-0.1	-0.1	25-Feb-07	-0.2	-0.1	-0.2	16-Apr-07	-0.1	-0.1	-0.1
14-Nov-06	-0.1	-0.1	-0.1	26-Feb-07	-0.2	-0.2	-0.2	17-Apr-07	-0.1	-0.1	-0.1
15-Nov-06	-0.1	-0.1	-0.1	27-Feb-07	-0.2	-0.2	-0.2	18-Apr-07	-0.1	-0.1	-0.1
16-Nov-06	-0.1	-0.1	-0.1	28-Feb-07	-0.2	-0.2	-0.2	19-Apr-07	-0.1	-0.1	-0.1
17-Nov-06	-0.1	-0.1	-0.1	1-Mar-07	-0.2	-0.2	-0.2	20-Apr-07	-0.1	0.1	-0.1
18-Nov-06	-0.1	-0.1	-0.1	2-Mar-07	-0.2	-0.2	-0.2	21-Apr-07	-0.1	0.0	-0.1
19-Nov-06	-0.1	-0.1	-0.1	3-Mar-07	-0.2	-0.2	-0.2	22-Apr-07	0.0	0.0	-0.1
20-Nov-06	-0.1	-0.1	-0.1	4-Mar-07	-0.2	-0.2	-0.3	23-Apr-07	0.0	0.2	-0.1
21-Nov-06	-0.1	-0.1	-0.1	5-Mar-07	-0.3	-0.3	-0.3	24-Apr-07	3.1	6.3	0.2
22-Nov-06	-0.1	-0.1	-0.1	6-Mar-07	-0.3	-0.3	-0.3	25-Apr-07	6.9	7.9	5.9
23-Nov-06	-0.1	-0.1	-0.1	7-Mar-07	-0.2	-0.2	-0.3	26-Apr-07	6.2	6.9	5.6
24-Nov-06	-0.1	-0.1	-0.1	8-Mar-07	-0.2	-0.2	-0.2	27-Apr-07	6.2	7.3	5.1
25-Nov-06	-0.1	-0.1	-0.1	9-Mar-07	-0.2	-0.2	-0.2	28-Apr-07	6.7	7.7	5.8
26-Nov-06	-0.1	0.0	-0.1	10-Mar-07	-0.2	-0.2	-0.2	29-Apr-07	6.6	7.5	5.7
27-Nov-06	0.0	0.0	-0.1	11-Mar-07	-0.2	-0.2	-0.2	30-Apr-07	6.5	7.4	5.4
28-Nov-06	0.0	0.0	-0.1	12-Mar-07	-0.2	-0.2	-0.2	1-May-07	6.5	7.5	5.4
29-Nov-06	-0.1	-0.1	-0.1	13-Mar-07	-0.2	-0.2	-0.2	2-May-07	6.8	7.4	6.1
30-Nov-06	-0.1	-0.1	-0.1	14-Mar-07	-0.2	-0.2	-0.2	3-May-07	6.3	6.8	6.1
1-Dec-06	-0.1	-0.1	-0.1	15-Mar-07	-0.2	-0.2	-0.2	4-May-07	5.9	6.2	5.5
2-Dec-06	-0.1	-0.1	-0.1	16-Mar-07	-0.2	-0.2	-0.2	5-May-07	5.7	6.3	5.3
3-Dec-06	-0.1	-0.1	-0.1	17-Mar-07	-0.2	-0.2	-0.2	6-May-07	6.7	7.5	5.8
4-Dec-06	-0.1	-0.1	-0.1	18-Mar-07	-0.2	-0.2	-0.2	7-May-07	6.7	7.3	6.1
5-Dec-06	-0.1	-0.1	-0.1	19-Mar-07	-0.2	-0.2	-0.2	8-May-07	6.7	7.2	6.2
6-Dec-06	-0.1	-0.1	-0.1	20-Mar-07	-0.2	-0.1	-0.2	9-May-07	6.2	6.5	5.9
7-Dec-06	-0.1	0.0	-0.1	21-Mar-07	-0.1	-0.1	-0.1	10-May-07	6.1	6.8	5.6
8-Dec-06	-0.1	0.0	-0.1	22-Mar-07	-0.1	-0.1	-0.1	11-May-07	6.5	7.3	5.5
9-Dec-06	-0.1	0.0	-0.1	23-Mar-07	-0.1	-0.1	-0.1	12-May-07	7.3	8.1	6.6
10-Dec-06	-0.1	0.0	-0.1	24-Mar-07	-0.1	-0.1	-0.1	13-May-07	7.7	8.8	6.8
11-Dec-06	-0.1	0.0	-0.1	25-Mar-07	-0.1	-0.1	-0.1	14-May-07	8.2	9.2	7.1
12-Dec-06	-0.1	-0.1	-0.1	26-Mar-07	-0.1	-0.1	-0.1	15-May-07	8.8	9.9	7.8
13-Dec-06	-0.1	-0.1	-0.1	27-Mar-07	-0.1	-0.1	-0.1	16-May-07	8.9	9.7	8.5
14-Dec-06	-0.1	-0.1	-0.1	28-Mar-07	-0.1	-0.1	-0.1	17-May-07	8.5	9.1	7.9
15-Dec-06	-0.1	-0.1	-0.1	29-Mar-07	-0.1	-0.1	-0.1	18-May-07	6.6	7.7	6.1
16-Dec-06	-0.1	-0.1	-0.1	30-Mar-07	-0.1	-0.1	-0.1	19-May-07	6.1	6.7	5.6
17-Dec-06	-0.1	0.0	-0.1	31-Mar-07	-0.1	-0.1	-0.1	20-May-07	7.1	7.8	6.4
18-Dec-06	0.0	0.0	-0.1	1-Apr-07	-0.1	-0.1	-0.1	21-May-07	7.5	8.3	6.7
19-Dec-06	0.0	0.0	-0.1	2-Apr-07	-0.1	-0.1	-0.1	22-May-07	7.3	7.5	7.0
20-Dec-06	0.0	0.0	-0.1	3-Apr-07	-0.1	-0.1	-0.1	23-May-07	6.7	7.3	6.3
21-Dec-06	0.0	0.0	-0.1	4-Apr-07	-0.1	-0.1	-0.1	24-May-07	7.4	8.8	6.1
22-Dec-06	0.0	0.0	-0.1	5-Apr-07	-0.1	-0.1	-0.1	25-May-07	8.9	10.3	7.7

Appendix D 9: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Pine 16

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
26-May-07	9.7	10.6	9.0	18-Jul-07	16.5	16.8	16.3	9-Sep-07			
27-May-07	8.8	9.6	8.4	19-Jul-07	16.4	16.6	16.2	10-Sep-07	16.2	16.5	15.9
28-May-07	8.3	8.7	8.0	20-Jul-07	16.4	16.6	16.2	11-Sep-07	15.0	15.7	14.1
29-May-07	7.7	8.3	7.0	21-Jul-07	16.4	16.7	16.1	12-Sep-07	14.5	16.9	12.8
30-May-07	8.5	9.4	7.7	22-Jul-07	16.5	16.9	16.2	13-Sep-07	15.1	17.8	13.3
31-May-07	8.3	9.0	7.6	23-Jul-07	16.8	17.1	16.6	14-Sep-07	12.8	14.6	12.3
1-Jun-07	8.3	8.8	7.9	24-Jul-07	16.6	17.0	16.3	15-Sep-07	14.4	16.0	12.9
2-Jun-07	8.4	9.0	7.8	25-Jul-07	16.4	17.2	15.8	16-Sep-07	13.3	15.5	11.6
3-Jun-07	8.9	9.7	8.2	26-Jul-07	16.9	17.5	16.5	17-Sep-07	11.5	13.3	10.3
4-Jun-07	9.3	10.0	8.8	27-Jul-07	17.5	18.7	16.8	18-Sep-07	10.0	11.0	8.7
5-Jun-07	8.3	9.2	7.5	28-Jul-07	18.4	19.9	17.4	19-Sep-07	9.7	13.9	6.4
6-Jun-07	7.2	7.4	7.0	29-Jul-07	18.3	19.2	17.7	20-Sep-07	10.8	13.1	8.9
7-Jun-07	7.4	7.4	7.4	30-Jul-07	16.8	17.9	15.8	21-Sep-07	10.9	14.8	8.5
8-Jun-07	7.4	7.5	7.3	31-Jul-07	16.6	17.2	16.1	22-Sep-07	10.0	10.8	9.2
9-Jun-07	7.6	7.7	7.5	1-Aug-07	17.0	18.9	15.3	23-Sep-07	9.2	12.1	7.5
10-Jun-07	7.7	7.8	7.7	2-Aug-07	18.8	20.6	17.3	24-Sep-07	6.6	9.4	5.0
11-Jun-07	8.3	8.6	7.9	3-Aug-07	18.4	19.7	17.8	25-Sep-07	9.7	12.9	8.3
12-Jun-07	8.5	9.0	8.0	4-Aug-07	18.3	19.2	17.5	26-Sep-07	10.9	13.5	8.8
13-Jun-07	9.0	9.7	8.3	5-Aug-07	17.7	19.1	16.3	27-Sep-07	10.3	12.1	8.8
14-Jun-07	9.3	9.8	9.0	6-Aug-07	17.8	19.0	16.8	28-Sep-07	8.8	10.3	7.7
15-Jun-07	9.7	10.2	9.3	7-Aug-07	18.0	19.5	16.8	29-Sep-07	7.6	8.8	6.9
16-Jun-07	9.5	10.0	9.0	8-Aug-07	16.4	18.0	15.6	30-Sep-07	7.5	8.8	6.9
17-Jun-07	9.8	10.3	9.3	9-Aug-07	16.1	18.1	14.2	1-Oct-07	8.5	10.9	7.3
18-Jun-07	10.0	10.4	9.7	10-Aug-07	16.3	18.2	14.5	2-Oct-07	9.2	11.6	7.9
19-Jun-07	10.0	10.1	10.0	11-Aug-07	16.4	17.2	15.6	3-Oct-07	7.8	10.4	6.4
20-Jun-07	9.3	9.9	9.0	12-Aug-07	15.6	16.8	15.1	4-Oct-07	6.0	6.6	5.7
21-Jun-07	9.2	9.8	8.9	13-Aug-07	15.2	16.9	13.8	5-Oct-07	6.3	8.0	5.1
22-Jun-07	10.1	10.8	9.7	14-Aug-07	14.0	15.2	13.5	6-Oct-07	6.7	8.8	5.0
23-Jun-07	10.2	10.7	9.8	15-Aug-07	14.3	15.4	13.4	7-Oct-07	7.4	9.3	6.3
24-Jun-07	9.7	10.1	9.5	16-Aug-07	15.4	16.7	14.1	8-Oct-07	6.7	10.6	4.7
25-Jun-07	10.1	10.5	10.0	17-Aug-07	16.1	16.9	15.4	9-Oct-07	4.9	5.8	4.5
26-Jun-07	10.7	11.1	10.5	18-Aug-07	15.5	17.0	14.6	10-Oct-07	4.6	4.9	4.3
27-Jun-07	11.3	11.4	11.2	19-Aug-07	14.8	15.3	14.3	11-Oct-07	4.7	5.2	4.1
28-Jun-07	11.3	11.4	11.2	20-Aug-07	14.3	14.9	13.9	12-Oct-07	4.7	5.0	4.2
29-Jun-07	11.2	11.3	11.0	21-Aug-07	13.5	14.2	13.2	13-Oct-07	4.5	4.8	4.2
30-Jun-07	11.2	11.3	11.1	22-Aug-07				14-Oct-07	4.9	5.5	4.4
1-Jul-07	11.2	11.5	11.1	23-Aug-07				15-Oct-07	5.7	6.5	5.1
2-Jul-07	11.7	12.1	11.5	24-Aug-07				16-Oct-07	6.5	7.1	6.2
3-Jul-07	12.1	12.4	12.0	25-Aug-07				17-Oct-07	6.7	7.2	6.4
4-Jul-07	12.6	12.9	12.4	26-Aug-07				18-Oct-07	5.9	6.4	5.5
5-Jul-07	12.9	13.0	12.8	27-Aug-07				19-Oct-07	4.9	5.4	4.7
6-Jul-07	13.0	13.2	12.9	28-Aug-07				20-Oct-07	4.4	4.7	4.0
7-Jul-07	13.1	13.3	13.0	29-Aug-07				21-Oct-07	3.6	4.1	3.4
8-Jul-07	12.9	13.2	12.7	30-Aug-07				22-Oct-07	4.0	4.3	3.5
9-Jul-07	12.6	12.7	12.4	31-Aug-07				23-Oct-07	4.5	4.8	4.2
10-Jul-07	12.7	13.0	12.5	1-Sep-07				24-Oct-07	5.1	5.5	4.8
11-Jul-07	13.2	13.8	13.1	2-Sep-07				25-Oct-07	4.5	4.9	4.3
12-Jul-07	14.1	15.0	13.8	3-Sep-07				26-Oct-07	3.8	4.3	3.5
13-Jul-07	15.5	16.5	15.1	4-Sep-07				27-Oct-07	3.3	3.5	3.0
14-Jul-07	16.7	17.2	16.5	5-Sep-07				28-Oct-07	3.3	3.4	3.1
15-Jul-07	17.0	17.2	16.9	6-Sep-07				29-Oct-07	3.4	3.7	3.1
16-Jul-07	16.6	16.9	16.4	7-Sep-07				30-Oct-07	3.5	3.7	3.2
17-Jul-07	16.6	16.8	16.3	8-Sep-07				31-Oct-07	3.5	3.7	3.3

Appendix D 9: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Pine 16

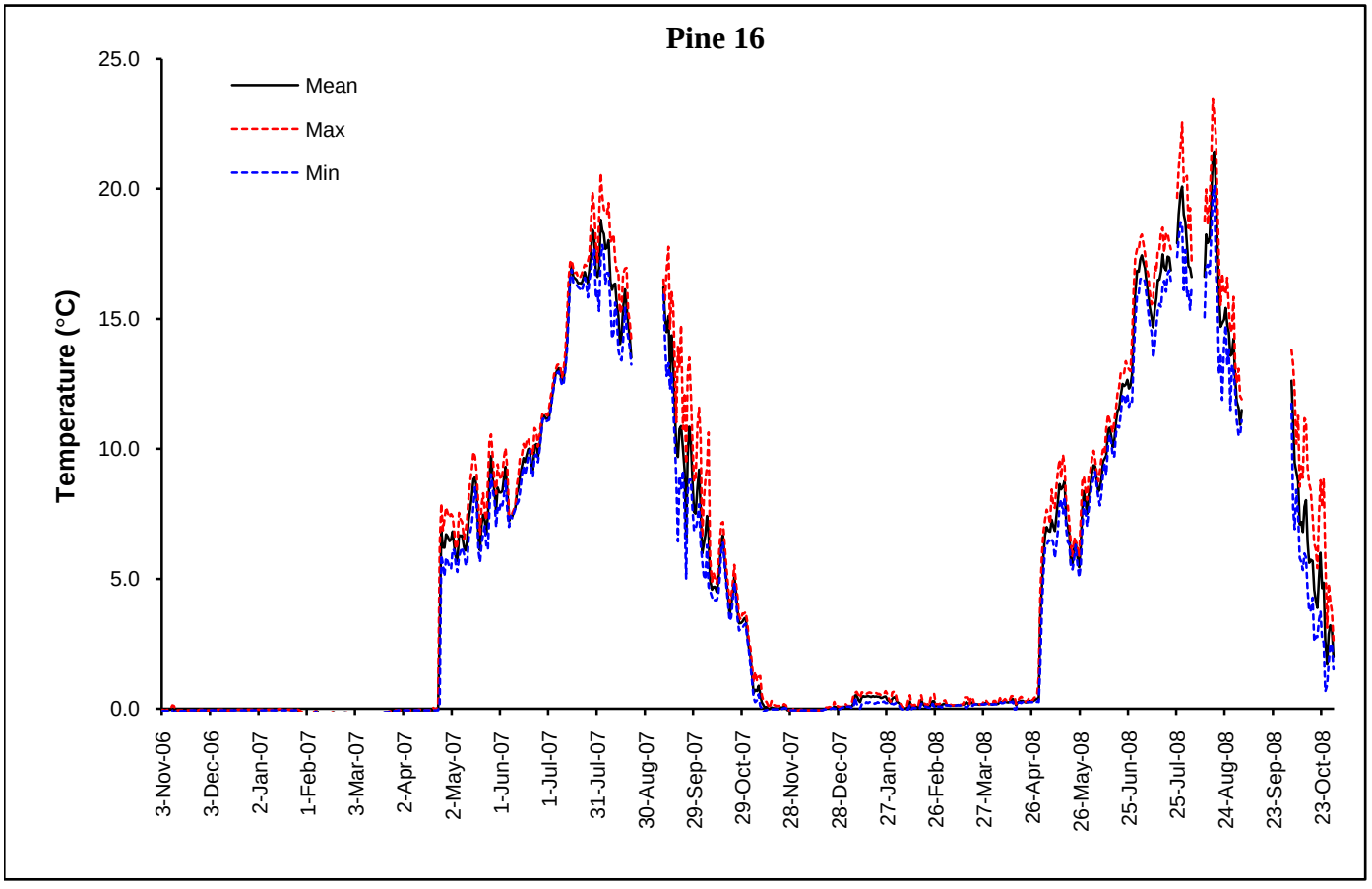
Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
1-Nov-07	2.9	3.4	2.7	24-Dec-07	0.0	0.1	0.0	14-Feb-08	0.1	0.1	0.0
2-Nov-07	2.4	2.6	2.2	25-Dec-07	0.1	0.3	0.0	15-Feb-08	0.1	0.1	0.1
3-Nov-07	2.0	2.3	1.7	26-Dec-07	0.0	0.1	0.0	16-Feb-08	0.1	0.4	0.0
4-Nov-07	1.4	1.7	1.1	27-Dec-07	0.1	0.1	0.1	17-Feb-08	0.3	0.5	0.2
5-Nov-07	0.6	1.0	0.4	28-Dec-07	0.0	0.1	0.0	18-Feb-08	0.2	0.2	0.2
6-Nov-07	0.7	1.4	0.2	29-Dec-07	0.0	0.1	0.0	19-Feb-08	0.1	0.2	0.1
7-Nov-07	0.7	1.1	0.3	30-Dec-07	0.1	0.1	0.1	20-Feb-08	0.1	0.1	0.1
8-Nov-07	0.9	1.2	0.6	31-Dec-07	0.1	0.1	0.1	21-Feb-08	0.1	0.2	0.1
9-Nov-07	0.6	1.3	0.1	1-Jan-08	0.1	0.2	0.0	22-Feb-08	0.1	0.1	0.1
10-Nov-07	0.2	0.5	0.0	2-Jan-08	0.1	0.1	0.1	23-Feb-08	0.2	0.4	0.0
11-Nov-07	0.1	0.3	-0.1	3-Jan-08	0.1	0.1	0.1	24-Feb-08	0.3	0.5	0.2
12-Nov-07	0.0	0.3	-0.1	4-Jan-08	0.1	0.1	0.1	25-Feb-08	0.3	0.6	0.1
13-Nov-07	0.1	0.3	-0.1	5-Jan-08	0.1	0.2	0.0	26-Feb-08	0.1	0.2	0.0
14-Nov-07	0.0	0.1	0.0	6-Jan-08	0.2	0.5	0.0	27-Feb-08	0.1	0.2	0.1
15-Nov-07	0.0	0.0	0.0	7-Jan-08	0.5	0.6	0.4	28-Feb-08	0.1	0.2	0.1
16-Nov-07	0.1	0.3	0.0	8-Jan-08	0.5	0.7	0.2	29-Feb-08	0.1	0.2	0.1
17-Nov-07	0.0	0.2	0.0	9-Jan-08	0.3	0.5	0.1	1-Mar-08	0.1	0.2	0.1
18-Nov-07	0.0	0.1	0.0	10-Jan-08	0.3	0.4	0.0	2-Mar-08	0.2	0.3	0.2
19-Nov-07	0.0	0.1	0.0	11-Jan-08	0.4	0.6	0.2	3-Mar-08	0.2	0.3	0.1
20-Nov-07	0.0	0.1	0.0	12-Jan-08	0.5	0.6	0.2	4-Mar-08	0.1	0.2	0.1
21-Nov-07	0.0	0.1	0.0	13-Jan-08	0.5	0.6	0.2	5-Mar-08	0.1	0.2	0.1
22-Nov-07	0.0	0.1	0.0	14-Jan-08	0.5	0.6	0.2	6-Mar-08	0.1	0.2	0.1
23-Nov-07	0.0	0.1	0.0	15-Jan-08	0.5	0.6	0.2	7-Mar-08	0.1	0.1	0.1
24-Nov-07	0.1	0.2	0.0	16-Jan-08	0.5	0.6	0.2	8-Mar-08	0.1	0.1	0.1
25-Nov-07	0.1	0.1	0.0	17-Jan-08	0.5	0.6	0.2	9-Mar-08	0.1	0.1	0.1
26-Nov-07	-0.1	-0.1	-0.1	18-Jan-08	0.5	0.6	0.2	10-Mar-08	0.1	0.1	0.1
27-Nov-07	-0.1	-0.1	-0.1	19-Jan-08	0.5	0.6	0.2	11-Mar-08	0.1	0.2	0.1
28-Nov-07	-0.1	-0.1	-0.1	20-Jan-08	0.5	0.6	0.2	12-Mar-08	0.1	0.2	0.1
29-Nov-07	-0.1	-0.1	-0.1	21-Jan-08	0.5	0.6	0.2	13-Mar-08	0.2	0.2	0.1
30-Nov-07	0.0	0.0	-0.1	22-Jan-08	0.5	0.6	0.2	14-Mar-08	0.2	0.2	0.1
1-Dec-07	-0.1	0.0	-0.1	23-Jan-08	0.4	0.5	0.3	15-Mar-08	0.2	0.4	0.1
2-Dec-07	-0.1	-0.1	-0.1	24-Jan-08	0.4	0.5	0.2	16-Mar-08	0.3	0.4	0.0
3-Dec-07	-0.1	-0.1	-0.1	25-Jan-08	0.5	0.6	0.3	17-Mar-08	0.2	0.4	0.1
4-Dec-07	-0.1	0.0	-0.1	26-Jan-08	0.5	0.7	0.2	18-Mar-08	0.2	0.2	0.2
5-Dec-07	-0.1	0.0	-0.1	27-Jan-08	0.3	0.6	0.2	19-Mar-08	0.3	0.4	0.2
6-Dec-07	-0.1	-0.1	-0.1	28-Jan-08	0.3	0.4	0.2	20-Mar-08	0.2	0.4	0.1
7-Dec-07	-0.1	-0.1	-0.1	29-Jan-08	0.2	0.3	0.2	21-Mar-08	0.2	0.2	0.2
8-Dec-07	-0.1	-0.1	-0.1	30-Jan-08	0.4	0.6	0.2	22-Mar-08	0.2	0.2	0.2
9-Dec-07	-0.1	-0.1	-0.1	31-Jan-08	0.4	0.7	0.2	23-Mar-08	0.2	0.2	0.2
10-Dec-07	-0.1	-0.1	-0.1	1-Feb-08	0.5	0.6	0.2	24-Mar-08	0.2	0.2	0.2
11-Dec-07	-0.1	-0.1	-0.1	2-Feb-08	0.3	0.3	0.2	25-Mar-08	0.2	0.2	0.2
12-Dec-07	-0.1	-0.1	-0.1	3-Feb-08	0.2	0.3	0.2	26-Mar-08	0.2	0.2	0.2
13-Dec-07	-0.1	-0.1	-0.1	4-Feb-08	0.2	0.2	0.0	27-Mar-08	0.2	0.3	0.2
14-Dec-07	-0.1	-0.1	-0.1	5-Feb-08	0.0	0.1	0.0	28-Mar-08	0.2	0.4	0.2
15-Dec-07	-0.1	-0.1	-0.1	6-Feb-08	0.0	0.1	0.0	29-Mar-08	0.2	0.3	0.2
16-Dec-07	-0.1	-0.1	-0.1	7-Feb-08	0.0	0.1	0.0	30-Mar-08	0.2	0.2	0.2
17-Dec-07	-0.1	-0.1	-0.1	8-Feb-08	0.0	0.1	0.0	31-Mar-08	0.2	0.2	0.2
18-Dec-07	0.0	0.0	-0.1	9-Feb-08	0.1	0.4	0.0	1-Apr-08	0.2	0.2	0.2
19-Dec-07	0.0	0.1	0.0	10-Feb-08	0.3	0.5	0.1	2-Apr-08	0.2	0.3	0.2
20-Dec-07	0.0	0.1	0.0	11-Feb-08	0.0	0.2	0.0	3-Apr-08	0.2	0.3	0.2
21-Dec-07	0.0	0.1	0.0	12-Feb-08	0.1	0.1	0.1	4-Apr-08	0.2	0.2	0.2
22-Dec-07	0.0	0.1	0.0	13-Feb-08	0.1	0.2	0.0	5-Apr-08	0.2	0.2	0.2
23-Dec-07	0.0	0.1	0.0	14-Feb-08	0.1	0.1	0.0	6-Apr-08	0.3	0.4	0.2

Appendix D 9: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Pine 16

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
7-Apr-08	0.2	0.2	0.2	30-May-08	7.5	8.0	7.0	22-Jul-08			
8-Apr-08	0.2	0.3	0.2	31-May-08	8.2	8.9	7.6	23-Jul-08			
9-Apr-08	0.3	0.4	0.2	1-Jun-08	8.5	9.1	8.0	24-Jul-08			
10-Apr-08	0.3	0.3	0.2	2-Jun-08	9.0	9.6	8.6	25-Jul-08	17.9	19.7	17.4
11-Apr-08	0.3	0.3	0.2	3-Jun-08	9.4	9.9	8.9	26-Jul-08	19.0	20.8	18.1
12-Apr-08	0.3	0.4	0.2	4-Jun-08	9.3	9.6	9.1	27-Jul-08	19.9	21.6	18.7
13-Apr-08	0.3	0.5	0.2	5-Jun-08	8.8	9.1	8.6	28-Jul-08	20.1	22.6	18.6
14-Apr-08	0.4	0.5	0.3	6-Jun-08	8.4	8.7	8.1	29-Jul-08	19.0	20.3	16.1
15-Apr-08	0.3	0.5	0.0	7-Jun-08	8.5	9.1	7.8	30-Jul-08	18.7	20.4	17.7
16-Apr-08	0.1	0.2	0.0	8-Jun-08	8.9	9.7	8.3	31-Jul-08	17.9	20.5	15.8
17-Apr-08	0.2	0.3	0.2	9-Jun-08	9.5	10.0	9.1	1-Aug-08	17.0	18.5	16.1
18-Apr-08	0.3	0.4	0.2	10-Jun-08	9.6	9.8	9.4	2-Aug-08	17.0	19.3	15.3
19-Apr-08	0.3	0.5	0.2	11-Jun-08	9.7	10.8	9.0	3-Aug-08	16.6	17.2	16.3
20-Apr-08	0.3	0.4	0.2	12-Jun-08	10.7	11.3	10.1	4-Aug-08			
21-Apr-08	0.3	0.3	0.2	13-Jun-08	10.8	11.1	10.5	5-Aug-08			
22-Apr-08	0.2	0.3	0.2	14-Jun-08	10.5	10.9	10.2	6-Aug-08			
23-Apr-08	0.3	0.3	0.2	15-Jun-08	10.1	10.6	9.7	7-Aug-08			
24-Apr-08	0.3	0.4	0.2	16-Jun-08	10.4	11.1	9.7	8-Aug-08			
25-Apr-08	0.3	0.4	0.2	17-Jun-08	11.0	11.5	10.6	9-Aug-08			
26-Apr-08	0.3	0.3	0.2	18-Jun-08	11.5	12.1	10.9	10-Aug-08			
27-Apr-08	0.3	0.4	0.2	19-Jun-08	11.5	12.4	10.8	11-Aug-08	16.6	18.8	15.1
28-Apr-08	0.4	0.5	0.2	20-Jun-08	12.0	12.9	11.3	12-Aug-08	18.3	20.0	17.0
29-Apr-08	0.4	0.5	0.3	21-Jun-08	12.5	12.8	12.1	13-Aug-08	17.9	18.6	17.1
30-Apr-08	0.4	1.2	0.2	22-Jun-08	12.4	12.9	12.0	14-Aug-08	18.1	19.5	16.7
1-May-08	3.6	4.5	1.8	23-Jun-08	12.5	13.4	11.7	15-Aug-08	19.5	21.0	18.2
2-May-08	4.7	5.9	3.8	24-Jun-08	12.7	13.2	12.1	16-Aug-08	21.2	23.4	19.7
3-May-08	5.9	6.8	5.2	25-Jun-08	12.3	13.1	11.6	17-Aug-08	21.4	22.8	20.1
4-May-08	6.7	7.3	6.2	26-Jun-08	12.4	13.0	11.9	18-Aug-08	20.0	22.1	16.7
5-May-08	7.0	7.7	6.3	27-Jun-08	12.9	14.2	11.8	19-Aug-08	17.8	19.5	15.8
6-May-08	6.8	7.4	6.5	28-Jun-08	14.6	16.1	13.5	20-Aug-08	15.9	17.1	12.9
7-May-08	6.8	7.1	6.4	29-Jun-08	16.0	17.3	14.8	21-Aug-08	14.7	15.5	13.7
8-May-08	7.3	8.4	6.5	30-Jun-08	16.9	17.7	16.0	22-Aug-08	14.8	16.7	11.9
9-May-08	7.0	7.8	6.4	1-Jul-08	16.8	17.7	16.0	23-Aug-08	15.0	16.0	14.1
10-May-08	6.8	7.7	5.8	2-Jul-08	17.3	18.1	16.5	24-Aug-08	15.4	16.0	14.7
11-May-08	7.4	8.6	6.3	3-Jul-08	17.4	18.2	16.6	25-Aug-08	14.8	16.6	13.2
12-May-08	8.0	9.2	6.9	4-Jul-08	17.2	17.9	16.6	26-Aug-08	14.5	15.4	13.8
13-May-08	8.7	9.6	7.8	5-Jul-08	17.0	17.5	16.4	27-Aug-08	13.6	14.5	11.5
14-May-08	8.4	8.9	8.0	6-Jul-08	16.4	16.9	15.9	28-Aug-08	13.7	14.6	13.2
15-May-08	8.6	9.8	7.5	7-Jul-08	16.0	16.7	15.3	29-Aug-08	14.2	15.8	13.0
16-May-08	8.8	9.3	8.1	8-Jul-08	15.5	16.1	14.8	30-Aug-08	12.8	13.4	12.2
17-May-08	7.2	7.9	6.9	9-Jul-08	15.1	15.6	14.5	31-Aug-08	11.8	12.5	11.1
18-May-08	7.0	7.8	6.4	10-Jul-08	14.7	15.8	13.5	1-Sep-08	11.6	13.1	10.5
19-May-08	6.7	7.1	6.3	11-Jul-08	15.4	17.0	14.0	2-Sep-08	10.9	12.0	10.5
20-May-08	5.6	6.3	5.4	12-Jul-08	15.8	16.8	14.7	3-Sep-08	11.5	11.9	11.1
21-May-08	5.6	5.9	5.4	13-Jul-08	16.5	17.7	15.3	4-Sep-08			
22-May-08	6.2	6.6	5.7	14-Jul-08	16.5	17.7	15.6	5-Sep-08			
23-May-08	6.4	6.5	6.3	15-Jul-08	16.8	18.4	15.5	6-Sep-08			
24-May-08	5.8	6.3	5.5	16-Jul-08	17.5	18.5	16.2	7-Sep-08			
25-May-08	5.4	5.8	5.1	17-Jul-08	17.0	17.6	16.5	8-Sep-08			
26-May-08	6.2	7.2	5.5	18-Jul-08	16.9	18.3	16.0	9-Sep-08			
27-May-08	7.7	8.7	6.8	19-Jul-08	17.4	18.3	16.7	10-Sep-08			
28-May-08	8.4	8.9	7.9	20-Jul-08	17.4	17.9	16.9	11-Sep-08			
29-May-08	8.0	8.4	7.6	21-Jul-08	16.9	17.7	16.5	12-Sep-08			

Appendix D 9: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Pine 16

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
13-Sep-08				30-Sep-08				17-Oct-08	5.7	7.4	4.3
14-Sep-08				1-Oct-08				18-Oct-08	4.6	6.4	2.6
15-Sep-08				2-Oct-08				19-Oct-08	4.2	6.2	2.8
16-Sep-08				3-Oct-08				20-Oct-08	3.9	5.4	2.7
17-Sep-08				4-Oct-08	12.6	13.8	11.7	21-Oct-08	5.0	7.4	3.4
18-Sep-08				5-Oct-08	11.0	13.3	7.7	22-Oct-08	6.0	8.8	3.7
19-Sep-08				6-Oct-08	9.5	12.2	6.9	23-Oct-08	4.6	7.7	2.6
20-Sep-08				7-Oct-08	9.1	10.2	8.4	24-Oct-08	4.9	8.9	2.6
21-Sep-08				8-Oct-08	8.7	11.3	7.5	25-Oct-08	2.6	5.9	0.7
22-Sep-08				9-Oct-08	7.1	8.5	5.8	26-Oct-08	1.7	3.1	0.9
23-Sep-08				10-Oct-08	7.2	9.3	5.6	27-Oct-08	2.9	4.8	1.8
24-Sep-08				11-Oct-08	6.8	8.9	5.3	28-Oct-08	3.2	4.2	2.5
25-Sep-08				12-Oct-08	7.8	11.2	6.0	29-Oct-08	3.1	3.7	2.5
26-Sep-08				13-Oct-08	8.0	11.1	5.8	30-Oct-08	2.0	2.6	1.5
27-Sep-08				14-Oct-08	6.4	9.3	4.6				
28-Sep-08				15-Oct-08	5.6	8.7	3.7				
29-Sep-08				16-Oct-08	5.7	8.4	3.8				



Appendix D 10: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Proje
Location Beaton 17

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
16-May-07	10.8	10.9	10.6	3-Jul-07	13.9	14.5	13.4	20-Aug-07	16.5	17.2	15.9
17-May-07	10.8	11.5	10.0	4-Jul-07	14.2	15.2	13.3	21-Aug-07	16.8	21.2	15.5
18-May-07	10.0	10.8	9.5	5-Jul-07	15.8	16.5	14.7	22-Aug-07	17.2	20.0	16.1
19-May-07	9.6	10.3	9.2	6-Jul-07	16.2	17.2	15.3	23-Aug-07	17.0	20.2	15.6
20-May-07	9.2	10.0	8.7	7-Jul-07	17.0	17.9	16.1	24-Aug-07	16.8	18.0	16.1
21-May-07	9.4	10.8	8.2	8-Jul-07	16.8	17.2	16.7	25-Aug-07	16.2	16.8	15.7
22-May-07	9.0	9.7	8.3	9-Jul-07	17.1	18.2	16.2	26-Aug-07	14.5	15.5	13.9
23-May-07	8.5	9.5	7.9	10-Jul-07	17.9	19.2	16.7	27-Aug-07	13.0	13.9	11.9
24-May-07	9.2	10.8	7.7	11-Jul-07	18.7	20.2	17.4	28-Aug-07	11.0	11.6	10.5
25-May-07	10.8	12.7	9.2	12-Jul-07	20.0	22.3	18.0	29-Aug-07	10.9	11.1	10.8
26-May-07	12.2	13.7	11.1	13-Jul-07	21.8	23.9	19.7	30-Aug-07	11.2	11.7	10.8
27-May-07	13.1	14.4	11.9	14-Jul-07	23.1	25.0	21.4	31-Aug-07	12.0	13.0	11.1
28-May-07	12.7	13.2	12.4	15-Jul-07	22.3	23.4	21.5	1-Sep-07	12.8	13.8	12.0
29-May-07	13.3	15.4	11.6	16-Jul-07	22.2	24.3	20.3	2-Sep-07	12.9	13.7	12.4
30-May-07	15.0	17.0	13.3	17-Jul-07	22.8	24.8	20.9	3-Sep-07	13.2	14.1	12.4
31-May-07	16.3	18.2	14.5	18-Jul-07	23.3	24.6	22.2	4-Sep-07	13.8	14.9	13.0
1-Jun-07	16.7	18.1	15.4	19-Jul-07	23.2	24.0	22.7	5-Sep-07	13.4	14.7	12.2
2-Jun-07	18.1	20.2	16.3	20-Jul-07	21.9	23.6	20.4	6-Sep-07	13.4	14.7	12.2
3-Jun-07	19.4	21.4	17.5	21-Jul-07	21.3	24.3	19.4	7-Sep-07	12.6	13.8	11.6
4-Jun-07	20.4	22.3	18.7	22-Jul-07	21.5	24.6	19.9	8-Sep-07	12.8	14.3	11.5
5-Jun-07	20.8	21.5	20.2	23-Jul-07	21.0	22.5	20.0	9-Sep-07	13.1	14.4	11.8
6-Jun-07	20.1	21.5	18.9	24-Jul-07	19.4	20.8	18.1	10-Sep-07	13.9	16.1	12.3
7-Jun-07	18.5	19.8	17.2	25-Jul-07	17.1	17.9	16.7	11-Sep-07	13.8	14.4	13.4
8-Jun-07	18.8	20.4	17.2	26-Jul-07				12-Sep-07	13.6	15.9	12.1
9-Jun-07	19.4	21.2	17.6	27-Jul-07				13-Sep-07	13.2	17.0	11.7
10-Jun-07	18.8	20.2	17.7	28-Jul-07				14-Sep-07	12.9	14.9	11.0
11-Jun-07	18.7	20.8	17.0	29-Jul-07				15-Sep-07	12.6	14.1	11.7
12-Jun-07	18.4	20.1	16.9	30-Jul-07				16-Sep-07	12.6	14.6	11.6
13-Jun-07	18.3	20.7	16.0	31-Jul-07				17-Sep-07	10.1	11.9	8.3
14-Jun-07	18.8	20.6	17.3	1-Aug-07				18-Sep-07	9.0	9.8	7.7
15-Jun-07	18.6	20.8	16.5	2-Aug-07				19-Sep-07	7.9	10.8	5.6
16-Jun-07	19.2	21.0	17.8	3-Aug-07				20-Sep-07	9.3	10.1	8.7
17-Jun-07	18.9	20.6	17.2	4-Aug-07				21-Sep-07	9.5	12.0	7.8
18-Jun-07	18.8	19.9	17.7	5-Aug-07				22-Sep-07	9.3	10.3	8.7
19-Jun-07	17.8	18.7	17.2	6-Aug-07				23-Sep-07	8.8	12.4	6.9
20-Jun-07	16.5	17.2	15.7	7-Aug-07				24-Sep-07	7.9	9.9	6.2
21-Jun-07	16.4	17.7	15.4	8-Aug-07				25-Sep-07	9.2	11.0	8.2
22-Jun-07	15.9	17.5	14.2	9-Aug-07				26-Sep-07	9.7	10.8	8.9
23-Jun-07	15.4	16.0	14.6	10-Aug-07				27-Sep-07	9.3	10.5	8.3
24-Jun-07	15.3	16.8	13.9	11-Aug-07				28-Sep-07	8.3	9.3	7.4
25-Jun-07	15.7	16.8	14.5	12-Aug-07				29-Sep-07	7.3	9.1	5.7
26-Jun-07	15.7	17.3	14.3	13-Aug-07				30-Sep-07	7.9	8.7	7.2
27-Jun-07	16.1	16.7	15.7	14-Aug-07				1-Oct-07	7.9	9.6	6.6
28-Jun-07	15.9	16.7	15.2	15-Aug-07	18.2	19.2	16.7	2-Oct-07	8.3	10.0	7.3
29-Jun-07	16.2	17.1	15.2	16-Aug-07	18.2	20.9	16.1	3-Oct-07	7.1	8.1	6.2
30-Jun-07	16.5	16.7	16.1	17-Aug-07	18.4	19.9	17.4	4-Oct-07	6.4	6.9	5.8
1-Jul-07	16.0	17.2	15.3	18-Aug-07	17.2	18.4	16.3	5-Oct-07	6.5	9.0	4.9
2-Jul-07	15.0	15.6	14.6	19-Aug-07	17.0	18.3	15.8	6-Oct-07	6.5	7.2	5.9

Appendix D 10: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Proje
Location Beaton 17

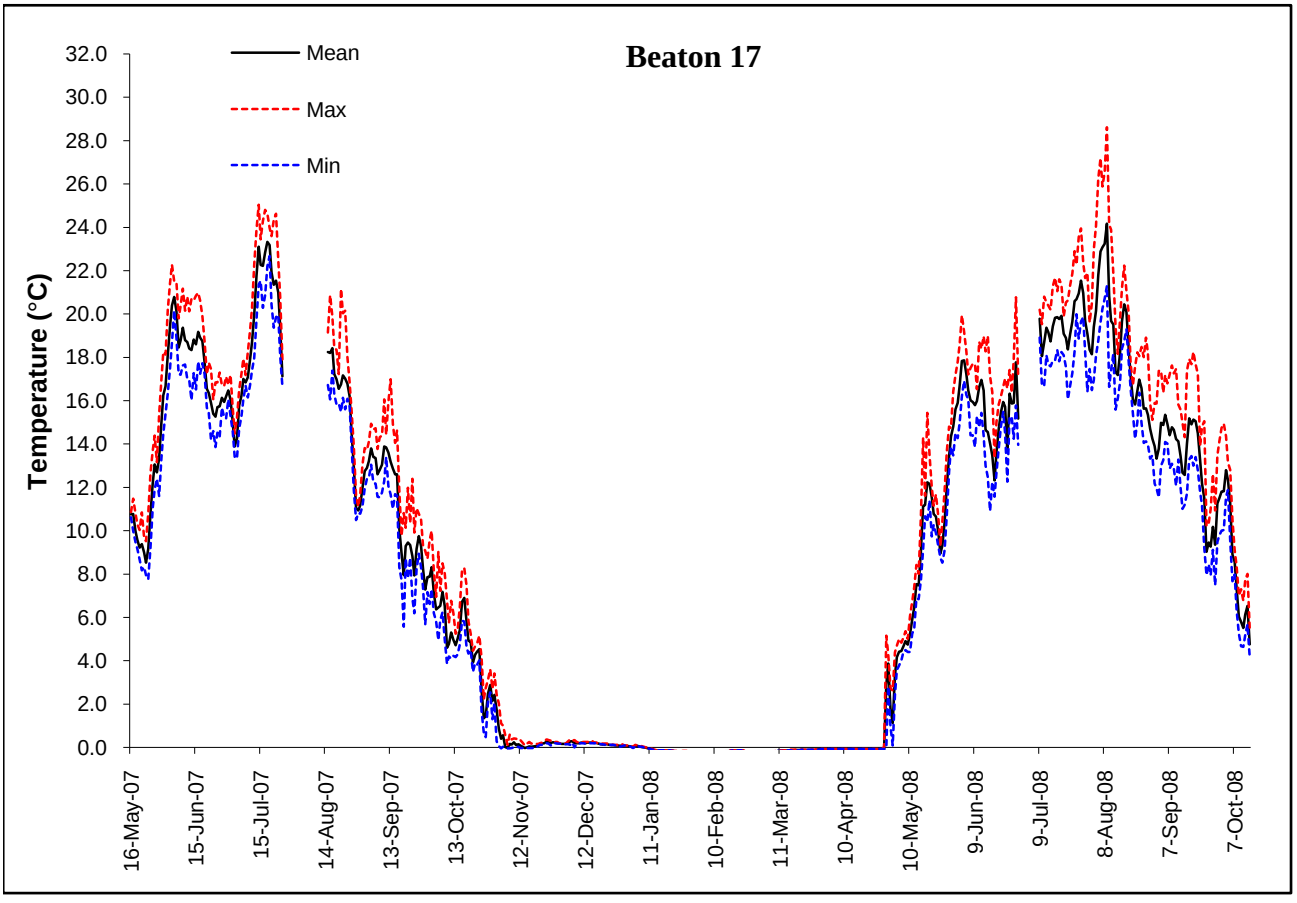
Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
7-Oct-07	7.2	8.5	6.2	1-Dec-07	0.2	0.2	0.1	25-Jan-08	-0.2	-0.2	-0.2
8-Oct-07	6.5	8.0	5.0	2-Dec-07	0.2	0.2	0.1	26-Jan-08	-0.2	-0.2	-0.2
9-Oct-07	4.6	6.8	3.9	3-Dec-07	0.2	0.2	0.1	27-Jan-08	-0.2	-0.2	-0.2
10-Oct-07	4.8	5.7	4.2	4-Dec-07	0.2	0.3	0.1	28-Jan-08	-0.2	-0.2	-0.2
11-Oct-07	5.3	6.8	4.1	5-Dec-07	0.3	0.4	0.1	29-Jan-08	-0.2	-0.2	-0.3
12-Oct-07	5.0	6.2	4.2	6-Dec-07	0.3	0.3	0.2	30-Jan-08	-0.3	-0.3	-0.3
13-Oct-07	4.7	5.2	4.2	7-Dec-07	0.2	0.3	0.0	31-Jan-08	-0.3	-0.3	-0.3
14-Oct-07	5.0	5.4	4.3	8-Dec-07	0.2	0.2	0.1	1-Feb-08	-0.3	-0.3	-0.3
15-Oct-07	5.4	6.5	4.7	9-Dec-07	0.2	0.2	0.2	2-Feb-08	-0.4	-0.3	-0.4
16-Oct-07	6.7	8.2	5.8	10-Dec-07	0.2	0.2	0.2	3-Feb-08	-0.4	-0.4	-0.4
17-Oct-07	6.9	8.3	5.8	11-Dec-07	0.2	0.2	0.2	4-Feb-08	-0.4	-0.4	-0.4
18-Oct-07	5.8	7.5	4.6	12-Dec-07	0.2	0.2	0.2	5-Feb-08	-0.4	-0.4	-0.5
19-Oct-07	4.9	5.8	4.3	13-Dec-07	0.2	0.2	0.2	6-Feb-08	-0.4	-0.4	-0.4
20-Oct-07	4.9	5.2	4.5	14-Dec-07	0.2	0.3	0.2	7-Feb-08	-0.4	-0.4	-0.4
21-Oct-07	3.9	4.5	3.5	15-Dec-07	0.2	0.3	0.2	8-Feb-08	-0.4	-0.4	-0.4
22-Oct-07	4.3	4.7	3.9	16-Dec-07	0.2	0.2	0.2	9-Feb-08	-0.4	-0.4	-0.4
23-Oct-07	4.4	4.8	3.8	17-Dec-07	0.2	0.2	0.2	10-Feb-08	-0.4	-0.4	-0.4
24-Oct-07	4.5	5.2	4.0	18-Dec-07	0.2	0.2	0.2	11-Feb-08	-0.4	-0.4	-0.4
25-Oct-07	2.6	4.1	1.7	19-Dec-07	0.2	0.2	0.1	12-Feb-08	-0.3	-0.3	-0.4
26-Oct-07	1.3	2.2	0.7	20-Dec-07	0.1	0.2	0.1	13-Feb-08	-0.3	-0.2	-0.3
27-Oct-07	1.4	2.7	0.5	21-Dec-07	0.1	0.2	0.1	14-Feb-08	-0.2	-0.2	-0.2
28-Oct-07	2.5	3.1	2.1	22-Dec-07	0.1	0.2	0.1	15-Feb-08	-0.2	-0.2	-0.2
29-Oct-07	2.9	3.6	2.5	23-Dec-07	0.1	0.1	0.1	16-Feb-08	-0.2	-0.1	-0.2
30-Oct-07	2.1	2.7	1.3	24-Dec-07	0.1	0.1	0.1	17-Feb-08	-0.2	-0.1	-0.2
31-Oct-07	2.4	3.4	2.0	25-Dec-07	0.1	0.1	0.1	18-Feb-08	-0.1	-0.1	-0.1
1-Nov-07	1.7	2.4	0.3	26-Dec-07	0.1	0.1	0.1	19-Feb-08	-0.1	-0.1	-0.1
2-Nov-07	0.9	2.0	0.1	27-Dec-07	0.1	0.1	0.1	20-Feb-08	-0.1	-0.1	-0.1
3-Nov-07	0.4	1.1	-0.1	28-Dec-07	0.1	0.1	0.0	21-Feb-08	-0.1	-0.1	-0.1
4-Nov-07	0.6	1.0	0.0	29-Dec-07	0.1	0.1	0.1	22-Feb-08	-0.1	-0.1	-0.1
5-Nov-07	0.0	0.6	-0.1	30-Dec-07	0.1	0.1	0.1	23-Feb-08	-0.2	-0.1	-0.2
6-Nov-07	0.0	0.1	-0.1	31-Dec-07	0.1	0.1	0.1	24-Feb-08	-0.2	-0.2	-0.2
7-Nov-07	0.2	0.6	-0.1	1-Jan-08	0.1	0.1	0.1	25-Feb-08	-0.2	-0.2	-0.2
8-Nov-07	0.1	0.4	0.0	2-Jan-08	0.0	0.1	0.0	26-Feb-08	-0.2	-0.2	-0.3
9-Nov-07	0.2	0.4	0.0	3-Jan-08	0.0	0.0	0.0	27-Feb-08	-0.3	-0.3	-0.3
10-Nov-07	0.1	0.4	0.0	4-Jan-08	0.1	0.1	0.0	28-Feb-08	-0.2	-0.2	-0.3
11-Nov-07	0.2	0.3	0.0	5-Jan-08	0.1	0.1	0.1	29-Feb-08	-0.2	-0.2	-0.2
12-Nov-07	0.1	0.3	0.0	6-Jan-08	0.0	0.1	0.0	1-Mar-08	-0.2	-0.2	-0.2
13-Nov-07	0.0	0.2	0.0	7-Jan-08	0.0	0.1	0.0	2-Mar-08	-0.2	-0.2	-0.2
14-Nov-07	0.0	0.1	0.0	8-Jan-08	0.0	0.0	0.0	3-Mar-08	-0.2	-0.2	-0.2
15-Nov-07	0.0	0.2	0.0	9-Jan-08	0.0	0.0	0.0	4-Mar-08	-0.2	-0.2	-0.3
16-Nov-07	0.0	0.2	0.0	10-Jan-08	0.0	0.0	-0.1	5-Mar-08	-0.3	-0.3	-0.3
17-Nov-07	0.0	0.2	0.0	11-Jan-08	-0.1	-0.1	-0.1	6-Mar-08	-0.3	-0.3	-0.3
18-Nov-07	0.0	0.2	0.0	12-Jan-08	-0.1	-0.1	-0.1	7-Mar-08	-0.2	-0.2	-0.3
19-Nov-07	0.1	0.2	0.0	13-Jan-08	-0.1	-0.1	-0.1	8-Mar-08	-0.2	-0.2	-0.2
20-Nov-07	0.1	0.1	0.1	14-Jan-08	-0.1	-0.1	-0.1	9-Mar-08	-0.2	-0.2	-0.2
21-Nov-07	0.1	0.2	0.1	15-Jan-08	-0.1	-0.1	-0.1	10-Mar-08	-0.2	-0.1	-0.2
22-Nov-07	0.2	0.2	0.1	16-Jan-08	-0.1	-0.1	-0.1	11-Mar-08	-0.1	-0.1	-0.2
23-Nov-07	0.2	0.3	0.2	17-Jan-08	-0.1	-0.1	-0.1	12-Mar-08	-0.1	-0.1	-0.2
24-Nov-07	0.3	0.4	0.2	18-Jan-08	-0.1	-0.1	-0.1	13-Mar-08	-0.1	-0.1	-0.1
25-Nov-07	0.2	0.3	0.2	19-Jan-08	-0.1	-0.1	-0.1	14-Mar-08	-0.1	-0.1	-0.1
26-Nov-07	0.2	0.3	0.1	20-Jan-08	-0.1	-0.1	-0.1	15-Mar-08	-0.1	-0.1	-0.1
27-Nov-07	0.2	0.3	0.2	21-Jan-08	-0.2	-0.1	-0.2	16-Mar-08	-0.1	-0.1	-0.1
28-Nov-07	0.2	0.2	0.2	22-Jan-08	-0.2	-0.2	-0.2	17-Mar-08	-0.1	-0.1	-0.2
29-Nov-07	0.2	0.2	0.2	23-Jan-08	-0.2	-0.2	-0.2	18-Mar-08	-0.1	-0.1	-0.1
30-Nov-07	0.2	0.2	0.2	24-Jan-08	-0.2	-0.2	-0.2	19-Mar-08	-0.1	-0.1	-0.1

Appendix D 10: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Proje
Location Beaton 17

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
20-Mar-08	-0.1	-0.1	-0.1	14-May-08	7.5	8.0	6.8	8-Jul-08			
21-Mar-08	-0.1	-0.1	-0.1	15-May-08	9.0	10.6	7.7	9-Jul-08	19.8	20.2	18.9
22-Mar-08	-0.1	-0.1	-0.1	16-May-08	11.1	14.3	9.1	10-Jul-08	18.0	19.5	16.7
23-Mar-08	-0.1	-0.1	-0.1	17-May-08	11.2	11.6	10.7	11-Jul-08	18.7	20.8	16.7
24-Mar-08	-0.1	-0.1	-0.1	18-May-08	12.2	15.4	10.4	12-Jul-08	19.4	20.5	18.1
25-Mar-08	-0.1	-0.1	-0.1	19-May-08	12.2	13.5	11.4	13-Jul-08	19.2	20.4	17.7
26-Mar-08	-0.1	-0.1	-0.1	20-May-08	11.5	12.0	9.7	14-Jul-08	18.7	20.2	17.6
27-Mar-08	-0.1	-0.1	-0.1	21-May-08	10.8	11.2	10.3	15-Jul-08	19.4	21.3	17.8
28-Mar-08	-0.1	-0.1	-0.1	22-May-08	10.7	11.7	9.9	16-Jul-08	19.8	21.7	17.9
29-Mar-08	-0.1	-0.1	-0.1	23-May-08	10.0	10.7	9.3	17-Jul-08	19.9	21.1	18.3
30-Mar-08	-0.1	-0.1	-0.1	24-May-08	9.0	9.3	8.7	18-Jul-08	19.8	21.6	17.8
31-Mar-08	-0.1	-0.1	-0.1	25-May-08	9.3	10.4	8.5	19-Jul-08	19.9	21.4	18.2
1-Apr-08	-0.1	-0.1	-0.1	26-May-08	10.4	11.8	9.1	20-Jul-08	19.1	19.9	18.1
2-Apr-08	-0.1	-0.1	-0.1	27-May-08	12.1	13.7	10.7	21-Jul-08	18.9	20.5	17.6
3-Apr-08	-0.1	-0.1	-0.1	28-May-08	13.4	14.8	12.7	22-Jul-08	18.4	20.6	16.1
4-Apr-08	-0.1	-0.1	-0.1	29-May-08	14.4	14.7	13.9	23-Jul-08	19.1	21.3	16.7
5-Apr-08	-0.1	-0.1	-0.1	30-May-08	14.8	16.4	13.5	24-Jul-08	19.7	21.9	17.3
6-Apr-08	-0.1	-0.1	-0.1	31-May-08	15.6	17.2	14.5	25-Jul-08	20.6	22.9	18.3
7-Apr-08	-0.1	-0.1	-0.1	1-Jun-08	15.9	17.8	14.3	26-Jul-08	20.7	22.3	20.0
8-Apr-08	-0.1	-0.1	-0.1	2-Jun-08	16.7	18.6	15.0	27-Jul-08	20.9	23.5	18.9
9-Apr-08	-0.1	-0.1	-0.1	3-Jun-08	17.8	19.9	16.2	28-Jul-08	21.5	24.0	19.7
10-Apr-08	-0.1	-0.1	-0.1	4-Jun-08	17.9	19.2	16.9	29-Jul-08	21.0	22.3	19.9
11-Apr-08	-0.1	-0.1	-0.1	5-Jun-08	17.2	18.3	16.3	30-Jul-08	19.7	21.7	18.2
12-Apr-08	-0.1	-0.1	-0.1	6-Jun-08	16.5	17.2	16.1	31-Jul-08	19.1	21.9	16.4
13-Apr-08	-0.1	-0.1	-0.1	7-Jun-08	16.0	17.5	14.4	1-Aug-08	18.4	19.6	17.5
14-Apr-08	-0.1	-0.1	-0.1	8-Jun-08	16.0	17.7	14.4	2-Aug-08	18.1	20.5	16.5
15-Apr-08	-0.1	-0.1	-0.1	9-Jun-08	15.8	17.7	13.9	3-Aug-08	19.4	23.0	16.9
16-Apr-08	-0.1	-0.1	-0.1	10-Jun-08	16.0	16.5	15.3	4-Aug-08	20.2	24.1	18.1
17-Apr-08	-0.1	-0.1	-0.1	11-Jun-08	16.6	18.7	14.8	5-Aug-08	21.8	26.3	18.8
18-Apr-08	-0.1	-0.1	-0.1	12-Jun-08	17.0	18.4	15.4	6-Aug-08	22.9	27.2	19.6
19-Apr-08	-0.1	-0.1	-0.1	13-Jun-08	16.5	19.0	14.4	7-Aug-08	23.1	25.9	20.2
20-Apr-08	-0.1	-0.1	-0.1	14-Jun-08	14.6	18.3	13.0	8-Aug-08	23.2	26.5	20.7
21-Apr-08	-0.1	-0.1	-0.1	15-Jun-08	14.6	19.0	12.5	9-Aug-08	24.2	28.6	21.3
22-Apr-08	-0.1	-0.1	-0.1	16-Jun-08	14.0	17.1	10.9	10-Aug-08	20.9	24.1	16.6
23-Apr-08	-0.1	-0.1	-0.1	17-Jun-08	13.5	16.4	12.2	11-Aug-08	19.7	23.9	17.4
24-Apr-08	-0.1	-0.1	-0.1	18-Jun-08	12.3	13.4	11.6	12-Aug-08	19.5	21.9	18.2
25-Apr-08	-0.1	-0.1	-0.1	19-Jun-08	13.6	15.0	12.7	13-Aug-08	17.3	19.4	15.6
26-Apr-08	-0.1	-0.1	-0.1	20-Jun-08	14.7	15.8	13.8	14-Aug-08	17.2	18.2	16.1
27-Apr-08	-0.1	-0.1	-0.1	21-Jun-08	15.5	16.2	14.8	15-Aug-08	18.2	19.7	16.8
28-Apr-08	-0.1	0.0	-0.1	22-Jun-08	15.9	16.6	15.5	16-Aug-08	19.7	21.2	18.4
29-Apr-08	2.9	5.2	-0.1	23-Jun-08	15.7	17.0	14.5	17-Aug-08	20.4	22.2	18.7
30-Apr-08	3.9	4.3	2.8	24-Jun-08	13.6	16.6	12.3	18-Aug-08	20.1	21.1	19.3
1-May-08	1.8	2.7	1.0	25-Jun-08	16.3	17.4	15.3	19-Aug-08	18.4	20.0	17.8
2-May-08	1.1	2.6	0.1	26-Jun-08	15.9	16.4	15.2	20-Aug-08	17.1	17.7	16.6
3-May-08	3.3	4.4	2.4	27-Jun-08	15.9	17.9	14.2	21-Aug-08	16.1	16.7	15.4
4-May-08	4.2	4.7	3.6	28-Jun-08	17.8	20.8	15.8	22-Aug-08	15.8	17.6	14.2
5-May-08	4.4	5.0	3.8	29-Jun-08	15.2	17.0	14.0	23-Aug-08	16.4	18.2	15.0
6-May-08	4.5	4.8	4.0	30-Jun-08				24-Aug-08	17.0	18.1	16.4
7-May-08	4.7	5.1	4.4	1-Jul-08				25-Aug-08	16.6	18.5	15.0
8-May-08	4.9	5.4	4.5	2-Jul-08				26-Aug-08	15.6	18.0	14.1
9-May-08	4.7	5.0	4.4	3-Jul-08				27-Aug-08	15.6	18.9	14.1
10-May-08	5.2	6.1	4.4	4-Jul-08				28-Aug-08	15.3	18.2	14.0
11-May-08	5.9	6.7	5.3	5-Jul-08				29-Aug-08	14.7	15.9	13.3
12-May-08	6.4	7.4	5.4	6-Jul-08				30-Aug-08	14.2	15.1	13.5
13-May-08	7.5	8.4	6.9	7-Jul-08				31-Aug-08	13.9	15.9	12.2

Appendix D 10: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Proje
Location Beaton 17

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
1-Sep-08	13.3	15.9	12.0	17-Sep-08	14.9	17.7	13.4	3-Oct-08	12.8	14.4	11.6
2-Sep-08	13.8	17.4	11.5	18-Sep-08	15.1	18.2	13.0	4-Oct-08	12.3	13.1	11.9
3-Sep-08	15.0	17.4	13.0	19-Sep-08	15.0	17.7	13.4	5-Oct-08	11.3	12.8	9.5
4-Sep-08	14.9	16.4	13.3	20-Sep-08	14.5	17.2	12.8	6-Oct-08	8.9	10.5	7.7
5-Sep-08	15.3	17.2	14.1	21-Sep-08	13.3	13.9	11.8	7-Oct-08	8.6	9.1	8.0
6-Sep-08	14.9	16.8	14.0	22-Sep-08	12.2	14.8	11.2	8-Oct-08	7.4	8.4	6.3
7-Sep-08	14.4	17.2	12.9	23-Sep-08	11.5	15.1	9.2	9-Oct-08	6.0	7.0	5.3
8-Sep-08	14.8	17.6	13.1	24-Sep-08	9.0	10.2	7.9	10-Oct-08	5.8	7.3	4.7
9-Sep-08	14.7	17.2	12.9	25-Sep-08	9.5	10.3	8.4	11-Oct-08	5.5	6.8	4.6
10-Sep-08	14.2	17.5	12.1	26-Sep-08	9.3	11.0	7.9	12-Oct-08	6.1	7.7	5.2
11-Sep-08	14.1	15.8	13.3	27-Sep-08	10.2	12.6	9.1	13-Oct-08	6.5	8.0	5.7
12-Sep-08	13.4	15.6	12.0	28-Sep-08	9.4	10.9	7.5	14-Oct-08	4.8	5.5	4.1
13-Sep-08	12.7	15.0	11.0	29-Sep-08	11.3	13.5	9.5				
14-Sep-08	12.6	14.3	11.2	30-Sep-08	11.5	14.1	9.8				
15-Sep-08	14.0	17.4	11.7	1-Oct-08	11.8	14.7	10.0				
16-Sep-08	15.2	17.9	13.3	2-Oct-08	11.8	14.9	10.0				



Appendix D 11: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Kiskatinaw 18

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
4-Nov-06	-0.1	-0.1	-0.1	26-Dec-06	-0.1	-0.1	-0.1	16-Feb-07	-0.1	-0.1	-0.1
5-Nov-06	-0.1	-0.1	-0.1	27-Dec-06	-0.1	-0.1	-0.1	17-Feb-07	-0.1	-0.1	-0.1
6-Nov-06	-0.1	-0.1	-0.1	28-Dec-06	-0.1	-0.1	-0.1	18-Feb-07	-0.1	-0.1	-0.1
7-Nov-06	-0.1	-0.1	-0.1	29-Dec-06	-0.1	-0.1	-0.1	19-Feb-07	-0.1	-0.1	-0.1
8-Nov-06	-0.1	-0.1	-0.1	30-Dec-06	-0.1	-0.1	-0.1	20-Feb-07	-0.1	-0.1	-0.1
9-Nov-06	-0.1	-0.1	-0.1	31-Dec-06	-0.1	-0.1	-0.1	21-Feb-07	-0.1	-0.1	-0.1
10-Nov-06	-0.1	-0.1	-0.1	1-Jan-07	-0.1	-0.1	-0.1	22-Feb-07	-0.1	-0.1	-0.1
11-Nov-06	-0.1	-0.1	-0.1	2-Jan-07	-0.1	-0.1	-0.1	23-Feb-07	-0.1	-0.1	-0.1
12-Nov-06	-0.1	-0.1	-0.1	3-Jan-07	-0.1	-0.1	-0.1	24-Feb-07	-0.1	-0.1	-0.1
13-Nov-06	-0.1	-0.1	-0.1	4-Jan-07	-0.1	-0.1	-0.1	25-Feb-07	-0.1	-0.1	-0.1
14-Nov-06	-0.1	-0.1	-0.1	5-Jan-07	-0.1	-0.1	-0.1	26-Feb-07	-0.1	-0.1	-0.1
15-Nov-06	-0.1	-0.1	-0.1	6-Jan-07	-0.1	-0.1	-0.1	27-Feb-07	-0.1	-0.1	-0.1
16-Nov-06	-0.1	-0.1	-0.1	7-Jan-07	-0.1	-0.1	-0.1	28-Feb-07	-0.1	-0.1	-0.1
17-Nov-06	-0.1	-0.1	-0.1	8-Jan-07	-0.1	-0.1	-0.1	1-Mar-07	-0.1	-0.1	-0.1
18-Nov-06	-0.1	-0.1	-0.1	9-Jan-07	-0.1	-0.1	-0.1	2-Mar-07	-0.1	-0.1	-0.1
19-Nov-06	-0.1	-0.1	-0.1	10-Jan-07	-0.1	-0.1	-0.1	3-Mar-07	-0.1	-0.1	-0.1
20-Nov-06	-0.1	-0.1	-0.1	11-Jan-07	-0.1	-0.1	-0.1	4-Mar-07	-0.1	-0.1	-0.1
21-Nov-06	-0.1	-0.1	-0.1	12-Jan-07	-0.1	-0.1	-0.1	5-Mar-07	-0.1	-0.1	-0.1
22-Nov-06	-0.1	-0.1	-0.1	13-Jan-07	-0.1	-0.1	-0.1	6-Mar-07	-0.1	-0.1	-0.1
23-Nov-06	-0.1	-0.1	-0.1	14-Jan-07	-0.1	-0.1	-0.1	7-Mar-07	-0.1	-0.1	-0.1
24-Nov-06	-0.1	-0.1	-0.1	15-Jan-07	-0.1	-0.1	-0.1	8-Mar-07	-0.1	-0.1	-0.1
25-Nov-06	-0.1	-0.1	-0.1	16-Jan-07	-0.1	-0.1	-0.1	9-Mar-07	-0.1	-0.1	-0.1
26-Nov-06	-0.1	-0.1	-0.1	17-Jan-07	-0.1	-0.1	-0.1	10-Mar-07	-0.1	-0.1	-0.1
27-Nov-06	-0.1	-0.1	-0.1	18-Jan-07	-0.1	-0.1	-0.1	11-Mar-07	-0.1	-0.1	-0.1
28-Nov-06	-0.1	-0.1	-0.1	19-Jan-07	-0.1	-0.1	-0.1	12-Mar-07	-0.1	-0.1	-0.1
29-Nov-06	-0.1	-0.1	-0.1	20-Jan-07	-0.1	-0.1	-0.1	13-Mar-07	-0.1	-0.1	-0.1
30-Nov-06	-0.1	-0.1	-0.1	21-Jan-07	-0.1	-0.1	-0.1	14-Mar-07	-0.1	-0.1	-0.1
1-Dec-06	-0.1	-0.1	-0.1	22-Jan-07	-0.1	-0.1	-0.1	15-Mar-07	-0.1	-0.1	-0.1
2-Dec-06	-0.1	-0.1	-0.1	23-Jan-07	-0.1	-0.1	-0.1	16-Mar-07	-0.1	-0.1	-0.1
3-Dec-06	-0.1	-0.1	-0.1	24-Jan-07	-0.1	-0.1	-0.1	17-Mar-07	-0.1	-0.1	-0.1
4-Dec-06	-0.1	-0.1	-0.1	25-Jan-07	-0.1	-0.1	-0.1	18-Mar-07	-0.1	-0.1	-0.1
5-Dec-06	-0.1	-0.1	-0.1	26-Jan-07	-0.1	-0.1	-0.1	19-Mar-07	-0.1	-0.1	-0.1
6-Dec-06	-0.1	-0.1	-0.1	27-Jan-07	-0.1	-0.1	-0.1	20-Mar-07	-0.1	-0.1	-0.1
7-Dec-06	-0.1	-0.1	-0.1	28-Jan-07	-0.1	-0.1	-0.1	21-Mar-07	-0.1	-0.1	-0.1
8-Dec-06	-0.1	-0.1	-0.1	29-Jan-07	-0.1	-0.1	-0.1	22-Mar-07	-0.1	-0.1	-0.1
9-Dec-06	-0.1	-0.1	-0.1	30-Jan-07	-0.1	-0.1	-0.1	23-Mar-07	-0.1	-0.1	-0.1
10-Dec-06	-0.1	-0.1	-0.1	31-Jan-07	-0.1	-0.1	-0.1	24-Mar-07	-0.1	-0.1	-0.1
11-Dec-06	-0.1	-0.1	-0.1	1-Feb-07	-0.1	-0.1	-0.1	25-Mar-07	-0.1	-0.1	-0.1
12-Dec-06	-0.1	-0.1	-0.1	2-Feb-07	-0.1	-0.1	-0.1	26-Mar-07	-0.1	-0.1	-0.1
13-Dec-06	-0.1	-0.1	-0.1	3-Feb-07	-0.1	-0.1	-0.1	27-Mar-07	-0.1	-0.1	-0.1
14-Dec-06	-0.1	-0.1	-0.1	4-Feb-07	-0.1	-0.1	-0.1	28-Mar-07	-0.1	-0.1	-0.1
15-Dec-06	-0.1	-0.1	-0.1	5-Feb-07	-0.1	-0.1	-0.1	29-Mar-07	-0.1	-0.1	-0.1
16-Dec-06	-0.1	-0.1	-0.1	6-Feb-07	-0.1	-0.1	-0.1	30-Mar-07	-0.1	-0.1	-0.1
17-Dec-06	-0.1	-0.1	-0.1	7-Feb-07	-0.1	-0.1	-0.1	31-Mar-07	-0.1	-0.1	-0.1
18-Dec-06	-0.1	-0.1	-0.1	8-Feb-07	-0.1	-0.1	-0.1	1-Apr-07	-0.1	-0.1	-0.1
19-Dec-06	-0.1	-0.1	-0.1	9-Feb-07	-0.1	-0.1	-0.1	2-Apr-07	-0.1	-0.1	-0.1
20-Dec-06	-0.1	-0.1	-0.1	10-Feb-07	-0.1	-0.1	-0.1	3-Apr-07	-0.1	-0.1	-0.1
21-Dec-06	-0.1	-0.1	-0.1	11-Feb-07	-0.1	-0.1	-0.1	4-Apr-07	-0.1	-0.1	-0.1
22-Dec-06	-0.1	-0.1	-0.1	12-Feb-07	-0.1	-0.1	-0.1	5-Apr-07	-0.1	-0.1	-0.1
23-Dec-06	-0.1	-0.1	-0.1	13-Feb-07	-0.1	-0.1	-0.1	6-Apr-07	-0.1	-0.1	-0.1
24-Dec-06	-0.1	-0.1	-0.1	14-Feb-07	-0.1	-0.1	-0.1	7-Apr-07	-0.1	-0.1	-0.1
25-Dec-06	-0.1	-0.1	-0.1	15-Feb-07	-0.1	-0.1	-0.1	8-Apr-07	-0.1	-0.1	-0.1

Appendix D 11: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Kiskatinaw 18

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
9-Apr-07	-0.1	-0.1	-0.1	31-May-07	17.0	18.6	15.3	22-Jul-07	21.4	24.4	18.8
10-Apr-07	-0.1	-0.1	-0.1	1-Jun-07	17.4	18.8	16.1	23-Jul-07	21.1	22.4	20.0
11-Apr-07	-0.1	-0.1	-0.1	2-Jun-07	18.5	20.6	16.9	24-Jul-07	18.7	20.0	17.5
12-Apr-07	-0.1	-0.1	-0.1	3-Jun-07	20.0	22.2	18.2	25-Jul-07	18.8	22.0	15.8
13-Apr-07	-0.1	-0.1	-0.1	4-Jun-07	20.8	23.0	18.8	26-Jul-07	20.3	23.1	17.7
14-Apr-07	-0.1	-0.1	-0.1	5-Jun-07	20.8	21.7	20.2	27-Jul-07	21.6	24.1	19.4
15-Apr-07	-0.1	-0.1	-0.1	6-Jun-07	19.3	20.9	17.9	28-Jul-07	21.5	23.5	20.0
16-Apr-07	-0.1	-0.1	-0.1	7-Jun-07	17.4	18.2	16.1	29-Jul-07	21.1	22.9	19.5
17-Apr-07	-0.1	0.0	-0.1	8-Jun-07	18.4	20.5	16.4	30-Jul-07	18.9	20.8	16.8
18-Apr-07	-0.1	0.0	-0.1	9-Jun-07	19.1	20.9	17.6	31-Jul-07	16.4	18.0	14.9
19-Apr-07	-0.1	0.0	-0.1	10-Jun-07	18.4	19.6	17.8	1-Aug-07	18.3	22.1	14.7
20-Apr-07	0.4	1.6	0.0	11-Jun-07	18.2	20.3	16.7	2-Aug-07	20.5	24.0	17.5
21-Apr-07	1.0	1.2	0.9	12-Jun-07	17.6	19.9	16.0	3-Aug-07	19.7	21.0	19.1
22-Apr-07	0.0	0.0	0.0	13-Jun-07	17.4	19.9	15.1	4-Aug-07	20.0	22.6	18.2
23-Apr-07	0.0	0.0	0.0	14-Jun-07	18.5	21.0	16.3	5-Aug-07	19.6	22.3	18.0
24-Apr-07	0.0	0.0	0.0	15-Jun-07	18.7	21.1	16.4	6-Aug-07	20.5	23.9	17.5
25-Apr-07	0.0	0.0	0.0	16-Jun-07	19.5	21.7	17.2	7-Aug-07	20.3	22.5	18.5
26-Apr-07	0.0	0.0	0.0	17-Jun-07	19.2	21.7	16.7	8-Aug-07	17.1	18.6	15.8
27-Apr-07	0.0	0.0	0.0	18-Jun-07	18.7	20.2	17.6	9-Aug-07	17.5	19.8	15.3
28-Apr-07	0.0	0.0	0.0	19-Jun-07	17.5	18.6	16.4	10-Aug-07	17.1	19.1	15.2
29-Apr-07	0.0	0.0	0.0	20-Jun-07	16.9	18.0	15.6	11-Aug-07	17.3	18.9	16.1
30-Apr-07	0.0	0.0	0.0	21-Jun-07	17.7	20.2	15.7	12-Aug-07	16.0	16.9	15.3
1-May-07	0.0	0.0	0.0	22-Jun-07	17.9	20.4	15.2	13-Aug-07	15.1	16.2	14.1
2-May-07	6.5	6.9	5.6	23-Jun-07	16.6	18.1	15.7	14-Aug-07	15.0	17.3	12.7
3-May-07	5.9	6.3	5.5	24-Jun-07	16.9	19.9	13.9	15-Aug-07	16.3	17.2	15.6
4-May-07	5.8	6.0	5.5	25-Jun-07	18.4	21.0	15.7	16-Aug-07	16.7	18.1	15.4
5-May-07	5.5	6.0	5.1	26-Jun-07	19.1	22.1	16.2	17-Aug-07	16.8	17.5	16.3
6-May-07	6.1	7.2	5.0	27-Jun-07	19.6	21.8	17.8	18-Aug-07	15.6	16.3	14.8
7-May-07	6.9	7.5	6.2	28-Jun-07	19.1	20.9	17.7	19-Aug-07	15.9	16.7	15.2
8-May-07	7.3	7.7	6.9	29-Jun-07	19.5	21.6	17.6	20-Aug-07	15.6	16.0	15.1
9-May-07	7.4	8.2	6.9	30-Jun-07	17.9	19.6	16.2	21-Aug-07	15.5	16.5	14.9
10-May-07	7.6	8.6	6.6	1-Jul-07	17.3	20.3	14.7	22-Aug-07	16.3	17.8	15.3
11-May-07	7.6	8.8	6.5	2-Jul-07	17.9	20.6	15.2	23-Aug-07	16.2	17.6	15.1
12-May-07	8.1	9.2	7.2	3-Jul-07	19.1	21.3	17.4	24-Aug-07	16.0	17.1	15.0
13-May-07	8.5	10.2	6.7	4-Jul-07	20.5	23.1	18.1	25-Aug-07	15.6	16.1	14.8
14-May-07	9.8	11.3	8.3	5-Jul-07	21.1	23.1	19.4	26-Aug-07	14.1	14.7	13.4
15-May-07	11.0	12.2	9.7	6-Jul-07	20.1	22.0	18.0	27-Aug-07	13.7	15.5	12.2
16-May-07	11.7	12.2	11.3	7-Jul-07	19.6	21.9	17.2	28-Aug-07	14.0	16.0	12.4
17-May-07	11.6	12.1	10.8	8-Jul-07	18.3	19.5	17.7	29-Aug-07	14.4	15.2	13.6
18-May-07	10.4	11.4	9.9	9-Jul-07	18.8	21.2	17.0	30-Aug-07	14.7	15.5	14.0
19-May-07	10.5	11.5	9.6	10-Jul-07	20.1	22.8	17.6	31-Aug-07	15.3	17.0	13.7
20-May-07	11.3	12.0	10.9	11-Jul-07	21.5	24.0	18.9	1-Sep-07	15.0	16.8	13.5
21-May-07	11.2	12.1	10.4	12-Jul-07	23.1	26.5	20.0	2-Sep-07	14.5	16.0	13.3
22-May-07	9.5	11.0	8.9	13-Jul-07	24.6	28.2	21.2	3-Sep-07	14.9	16.6	13.2
23-May-07	8.8	9.7	8.0	14-Jul-07	25.0	27.5	22.8	4-Sep-07	15.4	16.7	14.4
24-May-07	9.6	11.1	8.0	15-Jul-07	22.5	24.0	21.5	5-Sep-07	14.1	15.6	12.9
25-May-07	11.2	12.4	9.8	16-Jul-07	22.5	25.7	19.3	6-Sep-07	13.7	15.3	12.3
26-May-07	12.3	13.1	11.4	17-Jul-07	23.8	27.1	20.9	7-Sep-07	13.1	14.7	11.5
27-May-07	13.1	13.8	12.3	18-Jul-07	24.2	26.2	22.2	8-Sep-07	13.5	14.9	12.2
28-May-07	13.0	13.4	12.7	19-Jul-07	23.3	24.2	21.7	9-Sep-07	13.8	15.7	12.1
29-May-07	14.1	16.1	12.1	20-Jul-07	21.2	23.8	19.0	10-Sep-07	15.1	17.1	13.4
30-May-07	16.2	18.0	14.6	21-Jul-07	20.8	23.9	18.1	11-Sep-07	14.6	15.3	13.7

Appendix D 11: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Kiskatinaw 18

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
12-Sep-07	13.3	14.9	11.8	4-Nov-07	-0.1	0.3	-0.1	27-Dec-07	-0.1	-0.1	-0.1
13-Sep-07	12.7	14.6	11.0	5-Nov-07	-0.1	-0.1	-0.1	28-Dec-07	-0.1	-0.1	-0.1
14-Sep-07	12.9	15.0	11.4	6-Nov-07	-0.1	-0.1	-0.1	29-Dec-07	-0.1	-0.1	-0.1
15-Sep-07	12.7	13.8	11.4	7-Nov-07	-0.1	-0.1	-0.1	30-Dec-07	-0.1	-0.1	-0.1
16-Sep-07	12.6	14.0	11.6	8-Nov-07	-0.1	-0.1	-0.1	31-Dec-07	-0.1	-0.1	-0.1
17-Sep-07	10.3	11.2	9.4	9-Nov-07	-0.1	-0.1	-0.1	1-Jan-08	-0.1	-0.1	-0.1
18-Sep-07	8.9	9.7	7.6	10-Nov-07	-0.1	-0.1	-0.1	2-Jan-08	-0.1	-0.1	-0.1
19-Sep-07	7.5	9.0	5.8	11-Nov-07	-0.1	-0.1	-0.1	3-Jan-08	-0.1	-0.1	-0.1
20-Sep-07	8.4	9.7	7.2	12-Nov-07	-0.1	-0.1	-0.1	4-Jan-08	-0.1	-0.1	-0.1
21-Sep-07	9.1	11.1	7.8	13-Nov-07	-0.1	-0.1	-0.1	5-Jan-08	-0.1	-0.1	-0.1
22-Sep-07	8.7	9.7	8.2	14-Nov-07	-0.1	-0.1	-0.1	6-Jan-08	-0.1	-0.1	-0.1
23-Sep-07	8.2	9.3	7.4	15-Nov-07	-0.1	-0.1	-0.1	7-Jan-08	-0.1	-0.1	-0.1
24-Sep-07	7.3	8.4	6.4	16-Nov-07	-0.1	-0.1	-0.1	8-Jan-08	-0.1	-0.1	-0.1
25-Sep-07	8.8	10.7	7.5	17-Nov-07	-0.1	-0.1	-0.1	9-Jan-08	-0.1	-0.1	-0.1
26-Sep-07	8.9	10.0	7.9	18-Nov-07	-0.1	-0.1	-0.1	10-Jan-08	-0.1	-0.1	-0.1
27-Sep-07	8.1	9.3	7.3	19-Nov-07	-0.1	-0.1	-0.1	11-Jan-08	-0.1	-0.1	-0.1
28-Sep-07	7.5	8.7	6.5	20-Nov-07	-0.1	-0.1	-0.1	12-Jan-08	-0.1	-0.1	-0.1
29-Sep-07	6.6	8.0	5.6	21-Nov-07	-0.1	-0.1	-0.1	13-Jan-08	-0.1	-0.1	-0.1
30-Sep-07	6.9	8.0	5.9	22-Nov-07	-0.1	-0.1	-0.1	14-Jan-08	-0.1	-0.1	-0.1
1-Oct-07	7.9	9.3	7.1	23-Nov-07	-0.1	-0.1	-0.1	15-Jan-08	-0.1	-0.1	-0.1
2-Oct-07	7.1	8.7	6.0	24-Nov-07	-0.1	-0.1	-0.1	16-Jan-08	-0.1	-0.1	-0.1
3-Oct-07	5.9	7.2	4.8	25-Nov-07	-0.1	-0.1	-0.1	17-Jan-08	-0.1	-0.1	-0.1
4-Oct-07	5.3	5.8	4.8	26-Nov-07	-0.1	-0.1	-0.1	18-Jan-08	-0.1	-0.1	-0.1
5-Oct-07	5.2	6.4	4.3	27-Nov-07	-0.1	-0.1	-0.1	19-Jan-08	-0.1	-0.1	-0.1
6-Oct-07	5.4	6.8	4.3	28-Nov-07	-0.1	-0.1	-0.1	20-Jan-08	-0.1	-0.1	-0.1
7-Oct-07	5.9	6.8	5.2	29-Nov-07	-0.1	-0.1	-0.1	21-Jan-08	-0.1	-0.1	-0.1
8-Oct-07	5.2	6.5	4.2	30-Nov-07	-0.1	-0.1	-0.1	22-Jan-08	-0.1	-0.1	-0.1
9-Oct-07	4.1	4.9	3.0	1-Dec-07	-0.1	-0.1	-0.1	23-Jan-08	-0.1	-0.1	-0.1
10-Oct-07	4.7	5.5	4.0	2-Dec-07	-0.1	-0.1	-0.1	24-Jan-08	-0.1	-0.1	-0.1
11-Oct-07	4.8	6.3	4.0	3-Dec-07	-0.1	-0.1	-0.1	25-Jan-08	-0.1	-0.1	-0.1
12-Oct-07	3.8	4.8	3.0	4-Dec-07	-0.1	-0.1	-0.1	26-Jan-08	-0.1	-0.1	-0.1
13-Oct-07	3.3	4.0	2.5	5-Dec-07	-0.1	-0.1	-0.1	27-Jan-08	-0.1	-0.1	-0.1
14-Oct-07	4.6	5.6	3.7	6-Dec-07	-0.1	-0.1	-0.1	28-Jan-08	-0.1	-0.1	-0.1
15-Oct-07	5.1	5.8	4.4	7-Dec-07	-0.1	-0.1	-0.1	29-Jan-08	-0.1	-0.1	-0.1
16-Oct-07	5.9	6.6	5.4	8-Dec-07	-0.1	-0.1	-0.1	30-Jan-08	-0.1	-0.1	-0.1
17-Oct-07	6.0	7.1	4.8	9-Dec-07	-0.1	-0.1	-0.1	31-Jan-08	-0.1	-0.1	-0.1
18-Oct-07	4.1	4.9	3.5	10-Dec-07	-0.1	-0.1	-0.1	1-Feb-08	-0.1	-0.1	-0.1
19-Oct-07	3.8	4.5	3.3	11-Dec-07	-0.1	-0.1	-0.1	2-Feb-08	-0.1	-0.1	-0.1
20-Oct-07	3.3	4.2	2.3	12-Dec-07	-0.1	-0.1	-0.1	3-Feb-08	-0.1	-0.1	-0.1
21-Oct-07	2.0	2.5	1.3	13-Dec-07	-0.1	-0.1	-0.1	4-Feb-08	-0.1	-0.1	-0.1
22-Oct-07	3.1	3.9	2.2	14-Dec-07	-0.1	-0.1	-0.1	5-Feb-08	-0.1	-0.1	-0.1
23-Oct-07	4.0	4.5	3.6	15-Dec-07	-0.1	-0.1	-0.1	6-Feb-08	-0.1	-0.1	-0.1
24-Oct-07	4.0	4.9	2.9	16-Dec-07	-0.1	-0.1	-0.1	7-Feb-08	-0.1	-0.1	-0.1
25-Oct-07	2.1	2.8	1.5	17-Dec-07	-0.1	-0.1	-0.1	8-Feb-08	-0.1	-0.1	-0.1
26-Oct-07	1.2	1.8	0.8	18-Dec-07	-0.1	-0.1	-0.1	9-Feb-08	-0.1	-0.1	-0.1
27-Oct-07	1.5	2.3	0.7	19-Dec-07	-0.1	-0.1	-0.1	10-Feb-08	-0.1	-0.1	-0.1
28-Oct-07	2.1	2.7	1.4	20-Dec-07	-0.1	-0.1	-0.1	11-Feb-08	-0.1	-0.1	-0.1
29-Oct-07	2.3	2.7	1.9	21-Dec-07	-0.1	-0.1	-0.1	12-Feb-08	-0.1	-0.1	-0.1
30-Oct-07	1.8	2.3	1.0	22-Dec-07	-0.1	-0.1	-0.1	13-Feb-08	-0.1	-0.1	-0.1
31-Oct-07	2.0	2.5	1.6	23-Dec-07	-0.1	-0.1	-0.1	14-Feb-08	-0.1	-0.1	-0.1
1-Nov-07	1.2	1.7	0.5	24-Dec-07	-0.1	-0.1	-0.1	15-Feb-08	-0.1	-0.1	-0.1
2-Nov-07	0.6	1.2	0.1	25-Dec-07	-0.1	-0.1	-0.1	16-Feb-08	-0.1	-0.1	-0.1
3-Nov-07	0.5	1.0	0.1	26-Dec-07	-0.1	-0.1	-0.1	17-Feb-08	-0.1	-0.1	-0.1

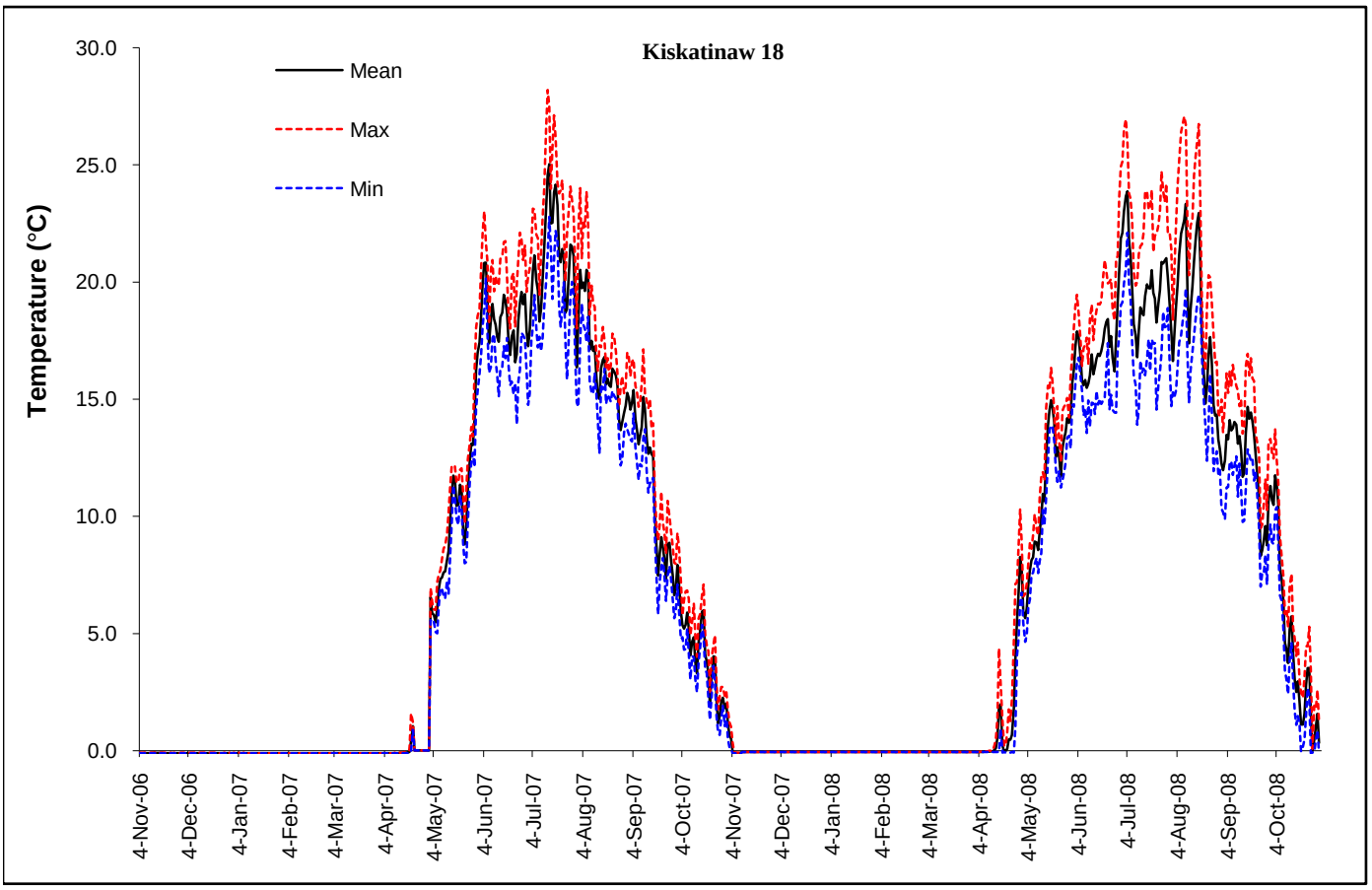
Appendix D 11: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Kiskatinaw 18

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
18-Feb-08	-0.1	-0.1	-0.1	11-Apr-08	0.0	0.0	-0.1	3-Jun-08	17.9	19.5	16.5
19-Feb-08	-0.1	-0.1	-0.1	12-Apr-08	0.0	0.0	-0.1	4-Jun-08	17.7	18.7	16.8
20-Feb-08	-0.1	-0.1	-0.1	13-Apr-08	0.0	0.2	-0.1	5-Jun-08	16.9	17.6	16.0
21-Feb-08	-0.1	-0.1	-0.1	14-Apr-08	0.1	0.5	-0.1	6-Jun-08	15.8	16.4	15.4
22-Feb-08	-0.1	-0.1	-0.1	15-Apr-08	0.5	1.4	-0.1	7-Jun-08	15.6	17.2	14.3
23-Feb-08	-0.1	-0.1	-0.1	16-Apr-08	1.9	4.4	-0.1	8-Jun-08	15.8	17.3	14.6
24-Feb-08	-0.1	-0.1	-0.1	17-Apr-08	2.0	2.9	0.9	9-Jun-08	15.5	17.6	13.5
25-Feb-08	-0.1	-0.1	-0.1	18-Apr-08	0.2	1.3	-0.1	10-Jun-08	15.7	16.5	14.9
26-Feb-08	-0.1	-0.1	-0.1	19-Apr-08	0.0	0.2	-0.1	11-Jun-08	16.0	18.4	13.8
27-Feb-08	-0.1	-0.1	-0.1	20-Apr-08	0.0	0.2	-0.1	12-Jun-08	16.9	19.0	14.8
28-Feb-08	-0.1	-0.1	-0.1	21-Apr-08	0.1	0.8	-0.1	13-Jun-08	16.1	17.5	14.8
29-Feb-08	-0.1	-0.1	-0.1	22-Apr-08	0.5	1.8	-0.1	14-Jun-08	16.4	18.3	14.4
1-Mar-08	-0.1	-0.1	-0.1	23-Apr-08	0.5	1.3	-0.1	15-Jun-08	16.7	18.8	15.3
2-Mar-08	-0.1	-0.1	-0.1	24-Apr-08	0.7	2.2	-0.1	16-Jun-08	16.9	19.1	14.8
3-Mar-08	-0.1	-0.1	-0.1	25-Apr-08	1.8	4.6	-0.1	17-Jun-08	16.8	19.0	15.0
4-Mar-08	-0.1	-0.1	-0.1	26-Apr-08	3.9	7.1	1.0	18-Jun-08	17.0	19.2	14.8
5-Mar-08	-0.1	-0.1	-0.1	27-Apr-08	5.5	7.2	4.1	19-Jun-08	17.5	20.2	14.9
6-Mar-08	-0.1	-0.1	-0.1	28-Apr-08	6.7	8.7	4.8	20-Jun-08	18.0	20.9	15.1
7-Mar-08	-0.1	-0.1	-0.1	29-Apr-08	8.3	10.3	6.3	21-Jun-08	18.3	20.5	16.2
8-Mar-08	-0.1	-0.1	-0.1	30-Apr-08	7.7	8.9	6.7	22-Jun-08	18.4	19.9	17.4
9-Mar-08	-0.1	-0.1	-0.1	1-May-08	6.0	6.6	5.4	23-Jun-08	17.2	20.0	14.6
10-Mar-08	-0.1	-0.1	-0.1	2-May-08	5.6	6.7	4.6	24-Jun-08	17.7	20.1	15.2
11-Mar-08	-0.1	-0.1	-0.1	3-May-08	6.1	7.1	4.9	25-Jun-08	16.8	18.8	14.5
12-Mar-08	-0.1	-0.1	-0.1	4-May-08	7.1	8.0	6.2	26-Jun-08	16.2	18.4	14.4
13-Mar-08	-0.1	-0.1	-0.1	5-May-08	7.7	8.9	6.5	27-Jun-08	17.5	21.0	14.4
14-Mar-08	-0.1	-0.1	-0.1	6-May-08	8.1	8.6	7.5	28-Jun-08	19.1	21.1	17.1
15-Mar-08	-0.1	-0.1	-0.1	7-May-08	8.2	9.2	7.6	29-Jun-08	20.5	23.6	17.7
16-Mar-08	-0.1	-0.1	-0.1	8-May-08	8.9	10.1	7.9	30-Jun-08	21.9	24.9	19.0
17-Mar-08	-0.1	-0.1	-0.1	9-May-08	8.9	9.5	8.2	1-Jul-08	22.1	25.1	19.1
18-Mar-08	-0.1	-0.1	-0.1	10-May-08	8.6	9.2	7.6	2-Jul-08	23.0	26.5	19.9
19-Mar-08	-0.1	-0.1	-0.1	11-May-08	9.3	10.8	8.1	3-Jul-08	23.7	26.9	20.6
20-Mar-08	-0.1	-0.1	-0.1	12-May-08	10.0	11.7	8.4	4-Jul-08	23.9	25.9	22.1
21-Mar-08	-0.1	-0.1	-0.1	13-May-08	11.0	11.9	10.3	5-Jul-08	21.8	23.8	19.9
22-Mar-08	-0.1	-0.1	-0.1	14-May-08	10.6	11.5	9.6	6-Jul-08	21.1	23.5	19.3
23-Mar-08	-0.1	-0.1	-0.1	15-May-08	12.4	14.6	10.7	7-Jul-08	19.7	22.6	17.4
24-Mar-08	-0.1	-0.1	-0.1	16-May-08	13.8	15.6	12.3	8-Jul-08	18.2	20.4	16.0
25-Mar-08	-0.1	-0.1	-0.1	17-May-08	14.5	15.4	13.7	9-Jul-08	17.7	19.8	15.6
26-Mar-08	-0.1	-0.1	-0.1	18-May-08	15.0	16.3	13.9	10-Jul-08	16.8	20.0	13.9
27-Mar-08	-0.1	-0.1	-0.1	19-May-08	14.6	15.7	13.8	11-Jul-08	17.9	21.2	14.6
28-Mar-08	-0.1	-0.1	-0.1	20-May-08	14.0	14.4	13.2	12-Jul-08	18.9	21.5	16.6
29-Mar-08	-0.1	-0.1	-0.1	21-May-08	12.5	13.1	12.0	13-Jul-08	18.7	21.6	16.1
30-Mar-08	-0.1	-0.1	-0.1	22-May-08	12.9	14.7	11.5	14-Jul-08	18.6	22.1	16.3
31-Mar-08	-0.1	-0.1	-0.1	23-May-08	12.5	13.2	11.9	15-Jul-08	19.4	23.8	16.0
1-Apr-08	-0.1	-0.1	-0.1	24-May-08	11.7	12.3	11.2	16-Jul-08	19.9	23.9	16.7
2-Apr-08	-0.1	-0.1	-0.1	25-May-08	12.9	14.5	11.5	17-Jul-08	19.7	23.1	17.6
3-Apr-08	-0.1	-0.1	-0.1	26-May-08	13.3	14.7	11.9	18-Jul-08	19.7	23.1	16.2
4-Apr-08	-0.1	-0.1	-0.1	27-May-08	13.6	14.8	12.3	19-Jul-08	20.5	23.9	17.5
5-Apr-08	-0.1	0.0	-0.1	28-May-08	14.2	15.1	13.4	20-Jul-08	19.5	21.3	17.4
6-Apr-08	-0.1	-0.1	-0.1	29-May-08	14.0	14.2	13.4	21-Jul-08	19.3	22.0	17.4
7-Apr-08	-0.1	0.0	-0.1	30-May-08	14.3	15.9	12.9	22-Jul-08	18.3	22.0	14.6
8-Apr-08	-0.1	0.0	-0.1	31-May-08	15.7	16.9	14.8	23-Jul-08	19.1	22.4	15.6
9-Apr-08	0.0	0.0	-0.1	1-Jun-08	16.2	18.0	14.7	24-Jul-08	19.7	23.0	16.2
10-Apr-08	0.0	0.0	-0.1	2-Jun-08	17.2	19.0	15.7	25-Jul-08	20.9	24.7	17.0

Appendix D 11: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Kiskatinaw 18

Date	Mean	Max	Min	Date	Mean	Max	Min	Date	Mean	Max	Min
26-Jul-08	20.8	23.9	18.7	17-Sep-08	14.2	16.0	12.6				
27-Jul-08	20.9	23.4	18.1	18-Sep-08	14.4	16.7	12.4				
28-Jul-08	21.0	24.2	18.1	19-Sep-08	14.1	15.9	12.5				
29-Jul-08	20.2	22.1	18.9	20-Sep-08	13.5	15.8	11.5				
30-Jul-08	19.0	22.1	16.4	21-Sep-08	12.7	13.5	11.9				
31-Jul-08	17.9	21.4	14.7	22-Sep-08	11.8	13.2	11.0				
1-Aug-08	16.6	18.4	15.3	23-Sep-08	10.8	12.7	9.5				
2-Aug-08	17.8	20.6	15.1	24-Sep-08	8.3	9.5	7.0				
3-Aug-08	19.0	22.5	15.4	25-Sep-08	8.5	9.6	7.6				
4-Aug-08	19.9	24.1	16.4	26-Sep-08	9.0	10.5	7.5				
5-Aug-08	21.2	25.2	17.4	27-Sep-08	9.6	11.6	8.3				
6-Aug-08	22.1	26.4	17.7	28-Sep-08	8.8	10.3	7.1				
7-Aug-08	22.3	26.7	18.3	29-Sep-08	10.7	13.2	8.8				
8-Aug-08	22.6	27.1	18.8	30-Sep-08	11.3	13.3	9.7				
9-Aug-08	23.3	26.7	19.7	1-Oct-08	10.7	12.7	8.9				
10-Aug-08	19.8	22.6	17.0	2-Oct-08	10.5	12.5	8.8				
11-Aug-08	17.4	20.3	14.9	3-Oct-08	11.7	13.7	10.2				
12-Aug-08	18.8	22.4	16.2	4-Oct-08	11.4	12.4	10.4				
13-Aug-08	19.8	22.7	17.0	5-Oct-08	10.5	11.4	8.8				
14-Aug-08	20.9	24.6	17.7	6-Oct-08	7.8	9.2	6.6				
15-Aug-08	21.8	25.4	18.4	7-Oct-08	7.3	8.2	6.4				
16-Aug-08	22.5	26.0	19.1	8-Oct-08	6.4	7.5	5.2				
17-Aug-08	22.9	26.7	19.4	9-Oct-08	4.6	5.8	3.4				
18-Aug-08	20.8	23.3	19.2	10-Oct-08	4.3	6.0	3.0				
19-Aug-08	17.6	19.1	16.8	11-Oct-08	3.7	5.3	2.4				
20-Aug-08	16.1	16.8	15.0	12-Oct-08	5.2	7.0	3.9				
21-Aug-08	14.8	16.2	13.9	13-Oct-08	5.7	7.5	4.6				
22-Aug-08	15.5	19.0	12.4	14-Oct-08	4.1	5.2	3.0				
23-Aug-08	16.9	20.3	13.9	15-Oct-08	3.0	4.8	1.7				
24-Aug-08	17.7	20.2	16.1	16-Oct-08	2.5	4.0	1.1				
25-Aug-08	16.6	19.2	14.6	17-Oct-08	3.0	4.6	1.5				
26-Aug-08	14.7	17.7	11.9	18-Oct-08	2.1	3.1	1.2				
27-Aug-08	14.3	16.6	12.5	19-Oct-08	1.1	2.5	0.0				
28-Aug-08	14.3	16.6	12.8	20-Oct-08	1.1	2.3	0.2				
29-Aug-08	13.3	14.4	11.8	21-Oct-08	1.6	3.1	0.5				
30-Aug-08	12.9	14.3	12.0	22-Oct-08	2.8	4.5	1.5				
31-Aug-08	12.3	15.0	10.3	23-Oct-08	3.5	4.5	2.7				
1-Sep-08	12.0	13.6	10.2	24-Oct-08	3.5	5.3	2.3				
2-Sep-08	12.4	14.9	9.9	25-Oct-08	1.7	3.5	-0.1				
3-Sep-08	13.5	16.1	11.2	26-Oct-08	0.0	0.1	-0.1				
4-Sep-08	13.3	15.3	11.2	27-Oct-08	0.5	1.9	-0.1				
5-Sep-08	14.1	16.2	12.3	28-Oct-08	1.0	1.8	0.4				
6-Sep-08	13.7	15.6	12.3	29-Oct-08	1.6	2.6	0.9				
7-Sep-08	13.8	16.5	11.8	30-Oct-08	0.3	1.2	-0.1				
8-Sep-08	14.0	16.0	12.2								
9-Sep-08	13.9	15.6	12.6								
10-Sep-08	13.1	15.4	10.8								
11-Sep-08	13.4	14.7	12.2								
12-Sep-08	12.8	15.0	11.2								
13-Sep-08	11.7	13.5	9.8								
14-Sep-08	11.8	13.8	9.8								
15-Sep-08	13.5	16.4	11.2								
16-Sep-08	14.7	16.9	12.8								

Appendix D 11: Daily water temperature (°C) data from the 2006-2008 Peace River Water Quality Project.
Location Kiskatinaw 18



Appendix D 12: Mean daily water temperature data from Dinosaur Lake in 2008.

Date	Dino 1				Dino 2				Dino 3			
	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean
7-May-08												
8-May-08					3.0	3.1	3.1	3.1	2.8	2.9	2.9	2.9
9-May-08	3.2	3.2	3.3	3.2	3.0	3.1	3.1	3.1	2.9	2.9	3.0	2.9
10-May-08	3.2	3.2	3.4	3.2	3.1	3.1	3.2	3.1	2.9	3.0	3.0	3.0
11-May-08	3.3	3.2	3.4	3.3	3.2	3.2	3.3	3.3	3.0	3.0	3.1	3.0
12-May-08	3.4	3.3	3.5	3.4	3.2	3.3	3.4	3.3	3.0	3.1	3.1	3.1
13-May-08	3.5	3.4	3.6	3.5	3.3	3.3	3.4	3.3	3.0	3.0	3.0	3.0
14-May-08	3.5	3.5	3.7	3.6	3.1	3.2	3.2	3.2	2.9	3.0	3.0	3.0
15-May-08	3.5	3.4	3.6	3.5	3.4	3.5	3.6	3.5	3.2	3.2	3.3	3.2
16-May-08	3.5	3.5	3.7	3.6	3.6	3.7	3.8	3.7	3.3	3.4	3.4	3.4
17-May-08	3.7	3.8	4.0	3.8	3.8	3.9	4.0	3.9	3.4	3.5	3.5	3.5
18-May-08	3.8	3.8	4.1	3.9	3.8	4.2	4.5	4.2	3.6	3.7	3.7	3.7
19-May-08	3.9	4.0	4.3	4.1	3.9	4.1	4.3	4.1	3.6	3.7	3.7	3.7
20-May-08	4.1	4.2	4.4	4.2	3.8	3.9	4.0	3.9	3.6	3.6	3.7	3.6
21-May-08	4.2	4.2	4.4	4.3	3.9	4.0	4.1	4.0	3.7	3.7	3.8	3.7
22-May-08	4.2	4.4	4.8	4.5	3.9	4.1	4.2	4.1	3.7	3.8	3.8	3.8
23-May-08	4.1	4.4	4.6	4.4	3.9	4.0	4.2	4.0	3.9	3.9	4.0	3.9
24-May-08	4.1	4.5	4.9	4.5	4.0	4.1	4.2	4.1	3.8	3.9	3.9	3.9
25-May-08	4.1	4.3	5.1	4.5	4.0	4.1	4.3	4.1	3.9	3.9	4.0	3.9
26-May-08	4.2	4.7	5.2	4.7	4.1	4.2	4.4	4.2	4.0	4.0	4.1	4.0
27-May-08	4.1	4.7	5.6	4.8	4.3	4.5	4.9	4.6	4.1	4.1	4.2	4.1
28-May-08	4.2	4.3	4.8	4.4	4.4	4.6	4.9	4.6	4.2	4.3	4.3	4.3
29-May-08	4.2	4.4	4.8	4.5	4.4	4.6	5.0	4.7	4.3	4.4	4.5	4.4
30-May-08	4.3	4.4	4.8	4.5	4.6	5.1	5.3	5.0	4.6	4.6	4.6	4.6
31-May-08	4.4	5.0	5.8	5.0	4.7	5.0	5.3	5.0	5.0	5.0	5.0	5.0
1-Jun-08	4.4	5.2	7.0	5.6	5.1	5.4	5.8	5.4	4.5	4.6	4.6	4.6
2-Jun-08	4.5	4.8	5.8	5.0	5.0	5.3	7.3	5.9	4.6	4.7	4.7	4.6
3-Jun-08	4.6	5.8	7.5	6.0	4.8	5.3	7.0	5.7	4.7	4.8	4.8	4.8
4-Jun-08	4.6	7.0	8.5	6.7	5.0	5.5	6.1	5.5	5.4	5.4	5.4	5.4
5-Jun-08	4.7	7.1	8.2	6.7	5.2	5.5	6.0	5.6	5.9	6.0	6.0	6.0
6-Jun-08	4.7	6.4	7.3	6.1	5.9	6.2	6.4	6.1	6.0	6.0	6.1	6.0
7-Jun-08	4.8	6.2	7.0	6.0	6.0	6.4	6.7	6.4	6.1	6.2	6.2	6.2
8-Jun-08	5.0	6.0	6.3	5.8	6.2	6.5	6.7	6.5	6.3	6.4	6.4	6.4
9-Jun-08	5.2	6.4	7.4	6.3	6.4	6.6	6.7	6.5	6.2	6.2	6.3	6.2
10-Jun-08	5.0	6.7	7.7	6.4	6.4	6.6	7.0	6.6	6.4	6.4	6.5	6.4
11-Jun-08	5.6	6.8	7.9	6.8	6.5	6.9	7.3	6.9	6.7	6.7	6.8	6.7
12-Jun-08	5.7	6.8	7.6	6.7	6.7	7.0	7.3	7.0	6.2	6.3	6.3	6.3
13-Jun-08	6.0	7.0	7.3	6.8	6.5	6.9	7.1	6.8	6.2	6.3	6.3	6.3
14-Jun-08	6.3	7.0	7.3	6.9	6.2	6.6	7.0	6.6	6.7	6.8	6.8	6.7
15-Jun-08	6.1	7.0	7.4	6.8	6.5	7.0	7.4	7.0	7.2	7.2	7.3	7.2

Appendix D 12: Mean daily water temperature data from Dinosaur Lake in 2008.

Date	Dino 1				Dino 2				Dino 3			
	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean
16-Jun-08	6.1	7.0	7.5	6.9	6.9	7.5	7.8	7.4	6.9	6.9	7.0	6.9
17-Jun-08	6.3	7.9	8.6	7.6	7.0	7.2	7.5	7.2	7.0	7.0	7.1	7.0
18-Jun-08	6.4	7.5	8.3	7.4	7.1	7.4	7.8	7.4	7.2	7.2	7.3	7.2
19-Jun-08	6.4	7.8	8.3	7.5	7.3	7.6	7.8	7.6	7.6	7.6	7.6	7.6
20-Jun-08	6.7	7.5	8.1	7.4	7.7	8.1	8.3	8.0	8.0	8.1	8.1	8.0
21-Jun-08	6.8	8.0	9.2	8.0	8.0	8.4	8.7	8.3	7.8	7.9	7.9	7.9
22-Jun-08	7.0	8.2	9.0	8.1	8.0	8.5	9.4	8.6	7.5	7.5	7.5	7.5
23-Jun-08	7.6	8.5	8.8	8.3	7.7	8.3	8.7	8.2	8.3	8.3	8.0	8.2
24-Jun-08	7.5	8.5	8.8	8.3	7.7	8.4	8.7	8.3	8.9	8.9	9.0	8.9
25-Jun-08	7.8	8.6	8.8	8.4	8.0	9.0	9.2	8.7	8.4	8.5	8.5	8.5
26-Jun-08	8.1	8.7	9.0	8.6	8.2	8.7	9.0	8.6	9.0	9.1	9.1	9.1
27-Jun-08	8.4	8.8	9.1	8.8	8.6	9.3	9.6	9.1	8.9	8.9	8.9	8.9
28-Jun-08	8.6	9.2	9.5	9.1	8.6	9.4	9.7	9.2	8.6	8.6	8.6	8.6
29-Jun-08	8.5	9.6	10.2	9.5	8.7	9.6	10.2	9.5	8.7	8.7	8.6	8.6
30-Jun-08	8.6	9.7	11.2	9.9	8.7	9.1	9.5	9.1	8.5	8.5	8.6	8.5
1-Jul-08	8.3	9.5	11.8	9.9	8.7	9.0	10.7	9.5	8.1	8.1	8.2	8.1
2-Jul-08	8.5	9.4	11.2	9.7	8.4	9.7	13.1	10.4	8.0	8.0	8.0	8.0
3-Jul-08	8.6	9.8	12.7	10.4	8.3	8.9	13.6	10.3	7.8	7.9	7.9	7.8
4-Jul-08	8.6	10.2	13.3	10.7	8.1	8.6	13.6	10.1	7.8	7.8	7.8	7.8
5-Jul-08	8.4	10.7	15.5	11.5	8.1	8.7	10.3	9.0	7.9	8.0	8.0	8.0
6-Jul-08	8.3	9.4	12.3	10.0	8.1	9.1	12.3	9.8	7.6	7.7	7.7	7.7
7-Jul-08	8.2	9.4	10.1	9.2	8.0	8.2	8.4	8.2	8.6	8.6	8.7	8.6
8-Jul-08	8.1	8.6	9.0	8.6	9.5	9.9	10.0	9.8	9.8	9.9	9.9	9.9
9-Jul-08	8.5	9.6	9.9	9.3	9.9	10.0	10.1	10.0	10.1	10.2	10.2	10.2
10-Jul-08	9.3	10.0	10.4	9.9	10.8	11.0	11.1	11.0	11.0	11.1	11.1	11.0
11-Jul-08	10.0	10.9	11.4	10.8	10.9	11.1	11.2	11.1	10.8	10.9	10.9	10.9
12-Jul-08	10.6	11.1	11.4	11.0	10.5	10.6	10.8	10.6	10.2	10.3	10.3	10.2
13-Jul-08	10.5	11.0	11.3	10.9	10.4	10.5	10.7	10.5	10.3	10.4	10.5	10.4
14-Jul-08	10.4	10.6	11.0	10.7	10.3	10.5	10.6	10.4	10.0	10.1	10.1	10.1
15-Jul-08	10.3	10.6	11.1	10.7	9.7	9.9	10.1	9.9	9.7	9.7	9.8	9.7
16-Jul-08	9.8	10.4	10.9	10.3	9.9	10.0	10.1	10.0	9.6	9.7	9.8	9.7
17-Jul-08	9.9	10.1	10.5	10.2	9.5	9.6	9.7	9.6	9.2	9.3	9.3	9.3
18-Jul-08	9.6	10.0	10.5	10.0	9.5	9.6	9.8	9.6	9.6	9.6	9.7	9.6
19-Jul-08	9.5	9.8	10.1	9.8	10.0	10.2	10.3	10.2	10.1	10.2	10.2	10.2
20-Jul-08	9.7	10.1	10.4	10.1	10.5	10.7	10.8	10.6	10.8	10.9	11.0	10.9
21-Jul-08	10.2	10.6	10.9	10.6	10.9	11.2	11.3	11.1	10.7	10.8	10.8	10.7
22-Jul-08	10.6	11.0	11.5	11.0	11.3	11.5	11.7	11.5	11.7	11.8	11.8	11.8
23-Jul-08	10.7	11.5	12.1	11.4	11.8	12.0	12.1	12.0	11.7	11.8	11.8	11.8
24-Jul-08	11.1	11.9	12.5	11.8	11.6	11.7	11.9	11.7	11.3	11.4	11.5	11.4
25-Jul-08	11.4	11.8	12.5	11.9	11.4	11.5	11.6	11.5	11.1	11.2	11.2	11.1

Appendix D 12: Mean daily water temperature data from Dinosaur Lake in 2008.

Date	Dino 1				Dino 2				Dino 3			
	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean
26-Jul-08	11.3	11.6	12.0	11.7	10.7	10.8	10.9	10.8	10.4	10.4	10.5	10.4
27-Jul-08	10.7	11.2	11.6	11.1	10.3	10.5	10.6	10.5	10.3	10.4	10.4	10.4
28-Jul-08	10.4	10.6	11.0	10.7	10.6	10.7	10.9	10.7	10.5	10.6	10.6	10.6
29-Jul-08	10.5	10.8	11.1	10.8	10.2	10.4	10.4	10.3	10.0	10.2	10.2	10.1
30-Jul-08	10.2	10.5	10.7	10.5	10.4	10.5	10.6	10.5	10.9	11.0	11.0	11.0
31-Jul-08	10.4	10.9	11.3	10.8	12.3	12.8	12.9	12.7	13.2	13.3	13.3	13.2
1-Aug-08	10.9	12.6	12.9	12.2	12.8	13.0	13.0	12.9	12.2	12.4	12.4	12.3
2-Aug-08	11.7	12.8	13.1	12.5	11.9	12.2	12.4	12.2	11.4	11.5	11.5	11.5
3-Aug-08	11.7	12.5	13.0	12.4	11.1	11.7	12.1	11.6	11.5	11.6	11.6	11.6
4-Aug-08	11.2	12.1	12.6	12.0	11.9	12.0	12.1	12.0	11.7	11.8	11.9	11.8
5-Aug-08	11.4	12.0	12.5	12.0	11.6	11.8	11.9	11.7	11.3	11.4	11.4	11.4
6-Aug-08	11.5	12.0	12.5	12.0	11.1	11.3	11.4	11.3	11.1	11.2	11.2	11.2
7-Aug-08	11.2	11.6	12.0	11.6	11.4	11.6	11.7	11.5	11.3	11.4	11.4	11.3
8-Aug-08	11.3	11.7	12.1	11.7	11.1	11.3	11.4	11.3	10.9	11.0	11.0	11.0
9-Aug-08	11.2	11.6	12.0	11.6	10.7	10.9	10.9	10.8	10.2	10.3	10.3	10.2
10-Aug-08	10.8	11.3	11.5	11.2	10.1	10.4	10.5	10.3	10.3	10.4	10.4	10.3
11-Aug-08	10.2	10.8	11.1	10.7	11.0	12.0	12.1	11.7	12.7	12.8	12.8	12.7
12-Aug-08	10.4	12.2	12.9	11.8	11.7	12.0	12.4	12.0	10.7	10.8	10.8	10.8
13-Aug-08	10.6	11.9	12.3	11.6	10.5	10.7	10.9	10.7	10.3	10.4	10.5	10.4
14-Aug-08	10.6	11.2	11.8	11.2	11.0	11.3	11.4	11.2	11.5	11.6	11.6	11.5
15-Aug-08	10.6	11.4	11.9	11.3	11.4	11.6	11.7	11.5	11.2	11.3	11.4	11.3
16-Aug-08	11.0	11.6	12.3	11.6	11.0	11.1	11.2	11.1	10.7	10.8	10.8	10.7
17-Aug-08	11.0	11.4	11.8	11.4	10.6	10.7	10.8	10.7	10.3	10.4	10.4	10.4
18-Aug-08	10.7	11.0	11.3	11.0	10.3	10.6	10.7	10.5	10.1	10.1	10.1	10.1
19-Aug-08	10.4	10.7	10.9	10.7	10.2	10.6	10.7	10.5	10.9	11.0	11.0	10.9
20-Aug-08	10.1	10.8	11.0	10.6	10.9	11.2	11.3	11.1	10.3	10.5	10.5	10.4
21-Aug-08	10.3	11.1	11.4	10.9	9.9	10.3	10.7	10.3	8.6	8.7	8.7	8.7
22-Aug-08	9.7	10.7	10.9	10.4	8.7	9.0	9.1	9.0	9.3	9.4	9.4	9.3
23-Aug-08	8.7	9.8	10.2	9.5	10.6	10.8	10.9	10.8	11.0	11.1	11.1	11.1
24-Aug-08	9.3	10.6	11.0	10.3	10.7	10.9	11.0	10.8	9.8	9.9	9.9	9.9
25-Aug-08	9.7	10.7	10.9	10.4	9.8	10.0	10.1	10.0	10.6	10.7	10.7	10.6
26-Aug-08	9.7	10.3	10.6	10.2	10.9	11.7	11.7	11.4	13.1	13.1	13.1	13.1
27-Aug-08	10.3	12.1	12.6	11.6					13.4	13.4	13.4	13.4
28-Aug-08	10.9	13.0	13.2	12.4					12.8	12.8	12.8	12.8
29-Aug-08	12.1	12.9	13.0	12.7					13.2	13.3	13.3	13.3
30-Aug-08	12.6	13.1	13.3	13.0					12.1	12.1	12.1	12.1
31-Aug-08	12.3	13.0	13.3	12.8					10.7	10.7	10.8	10.7
1-Sep-08	10.7	12.4	12.7	11.9					11.3	11.3	11.3	11.3
2-Sep-08	10.8	11.5	11.8	11.3					11.7	11.7	11.7	11.7
3-Sep-08	11.1	11.5	11.8	11.5					12.7	12.7	12.7	12.7

Appendix D 12: Mean daily water temperature data from Dinosaur Lake in 2008.

Date	Dino 1				Dino 2				Dino 3			
	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean
4-Sep-08	11.4	12.3	12.6	12.1					12.3	12.3	12.3	12.3
5-Sep-08	11.8	12.5	12.8	12.4					11.9	11.9	12.0	11.9
6-Sep-08	11.8	12.3	12.6	12.2					11.6	11.6	11.6	11.6
7-Sep-08	11.8	12.1	12.4	12.1					11.4	11.4	11.4	11.4
8-Sep-08	11.4	11.9	12.2	11.8					11.4	11.4	11.5	11.4
9-Sep-08	11.3	11.8	12.1	11.7					11.4	11.4	11.4	11.4
10-Sep-08	11.3	11.6	11.8	11.6					11.1	11.2	11.2	11.2
11-Sep-08	11.2	11.5	11.6	11.4					12.4	12.4	12.4	12.4
12-Sep-08	11.2	11.7	12.1	11.7					12.8	12.8	12.8	12.8
13-Sep-08	11.6	12.4	12.7	12.2					12.0	12.1	12.1	12.1
14-Sep-08	11.7	12.6	12.7	12.3					12.1	12.1	12.1	12.1
15-Sep-08	11.8	12.3	12.5	12.2					12.2	12.2	12.2	12.2
16-Sep-08	12.0	12.3	12.6	12.3					12.1	12.1	12.2	12.1
17-Sep-08	12.1	12.2	12.5	12.3					11.8	11.8	11.9	11.8
18-Sep-08	12.0	12.2	12.5	12.2					12.3	12.3	12.3	12.3
19-Sep-08	11.9	12.2	12.5	12.2					11.9	12.0	12.0	12.0
20-Sep-08	12.1	12.3	12.5	12.3					11.4	11.4	11.4	11.4
21-Sep-08	11.6	12.2	12.3	12.0					11.6	11.6	11.6	11.6
22-Sep-08	11.5	11.8	11.9	11.7					11.1	11.1	11.2	11.1
23-Sep-08	11.4	11.6	11.7	11.6					11.7	11.7	11.7	11.7
24-Sep-08	11.1	11.3	11.4	11.3					11.9	11.9	11.9	11.9
25-Sep-08	11.3	11.7	11.8	11.6					10.6	10.7	10.7	10.7
26-Sep-08	11.2	11.7	11.8	11.6					10.2	10.2	10.2	10.2
27-Sep-08	10.2	11.2	11.3	10.9					10.2	10.2	10.3	10.2
28-Sep-08	10.1	10.5	10.6	10.4					11.0	11.0	11.1	11.0
29-Sep-08	10.2	10.4	10.7	10.4					11.5	11.5	11.5	11.5
30-Sep-08	10.4	11.0	11.4	10.9					12.0	12.1	12.1	12.1
1-Oct-08	10.7	11.5	11.8	11.3					12.5	12.6	12.6	12.6
2-Oct-08	11.1	12.1	12.4	11.8					12.0	12.1	12.1	12.1
3-Oct-08	11.5	12.3	12.5	12.1					11.3	11.3	11.4	11.3
4-Oct-08	11.6	12.1	12.2	12.0					10.7	10.7	10.7	10.7
5-Oct-08	11.0	11.6	11.8	11.5					10.1	10.1	10.2	10.1
6-Oct-08	10.6	10.9	11.0	10.8					11.3	11.3	11.4	11.3
7-Oct-08	10.2	10.7	10.9	10.6					11.3	11.3	11.4	11.4
8-Oct-08	10.4	11.0	11.2	10.9					10.9	11.0	11.0	11.0
9-Oct-08	10.7	10.9	11.0	10.9					11.0	11.0	11.0	11.0
10-Oct-08	10.8	10.8	11.0	10.9					10.7	10.7	10.8	10.7
11-Oct-08	10.8	10.8	10.9	10.8					10.8	10.8	10.8	10.8
12-Oct-08	10.4	10.5	10.6	10.5					11.5	11.5	11.5	11.5
13-Oct-08	10.5	10.9	11.1	10.8					11.0	11.1	11.1	11.1

Appendix D 12: Mean daily water temperature data from Dinosaur Lake in 2008.

Date	Dino 1				Dino 2				Dino 3			
	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean	bottom	- 5 m from surface	- 1 m from surface	Combined Mean
14-Oct-08	10.8	11.0	11.1	11.0					11.0	11.0	11.0	11.0
15-Oct-08	10.8	10.8	10.9	10.8					11.0	11.0	11.1	11.0
16-Oct-08	10.8	10.7	10.9	10.8					11.0	11.0	11.0	11.0
17-Oct-08	10.8	10.8	10.9	10.8					10.7	10.7	10.7	10.7
18-Oct-08	10.7	10.7	10.8	10.8					10.5	10.5	10.6	10.5
19-Oct-08	10.4	10.4	10.5	10.4					10.5	10.5	10.5	10.5
20-Oct-08	10.3	10.3	10.4	10.3					10.5	10.6	10.6	10.6
21-Oct-08	10.3	10.3	10.4	10.3					10.4	10.4	10.5	10.4
22-Oct-08	10.3	10.3	10.5	10.4					10.3	10.3	10.3	10.3
23-Oct-08	10.2	10.2	10.3	10.3					10.1	10.2	10.2	10.2
24-Oct-08	10.0	10.0	10.1	10.1					10.0	10.0	10.0	10.0
25-Oct-08	9.8	9.8	9.9	9.8					9.8	9.8	9.8	9.8
26-Oct-08	9.6	9.6	9.7	9.6					9.5	9.5	9.6	9.5
27-Oct-08	9.5	9.5	9.6	9.5					9.3	9.3	9.4	9.3
28-Oct-08	9.4	9.3	9.5	9.4					9.2	9.3	9.3	9.3
29-Oct-08												

APPENDIX E

Summary of Monthly Mean, Maximum and Minimum Water Temperatures (º C) from the Peace River, Peace Tributary and Dinosaur Lake Sites for 2007 and 2008 sample periods.

Appendix E 1: **Mean monthly temperatures (°C) from temperature data loggers placed in Dinosaur Lake in 2008.**

Dino 1													
Year	Month	Bottom				Middle				Top			
		Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n
2008	May	**3.8**	**4.6**	**3.1**	***24.0***	**4.0**	**6.3**	**3.1**	***23.0***	**4.3**	**7.5**	**3.2**	***24.0***
	Jun	6.3	9.1	4.4	*30.0*	7.4	10.2	4.6	*30.0*	8.2	13.1	5.0	*30.0*
	Jul	9.8	11.5	8.0	*31.0*	10.4	12.1	8.1	*30.3*	11.4	16.3	8.5	*31.0*
	Aug	10.8	12.8	8.5	*31.0*	11.6	13.2	9.2	*31.0*	12.0	13.9	9.6	*31.0*
	Sep	11.3	12.2	10.0	*30.0*	11.8	12.9	10.3	*30.0*	12.1	13.3	10.4	*30.0*
	Oct	**10.5**	**11.7**	**9.3**	***27.6***	**10.7**	**12.4**	**9.3**	***14.1***	**10.9**	**12.7**	**9.4**	***27.5***
Mean		8.7	10.3	7.2	*28.9*	9.3	11.2	7.4	*26.4*	9.8	12.8	7.7	*28.9*
Max.		11.3	12.8	10.0	*31.0*	11.8	13.2	10.3	*31.0*	12.1	16.3	10.4	*31.0*
Min.		3.8	4.6	3.1	*24.0*	4.0	6.3	3.1	*14.1*	4.3	7.5	3.2	*24.0*

Dino 2													
Year	Month	Bottom				Middle				Top			
		Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n
2008	May	**3.8**	**5.0**	**2.9**	***24.0***	**3.9**	**5.7**	**3.0**	***24.0***	**4.1**	**6.2**	**3.1**	***24.0***
	Jun	6.9	9.2	4.7	*30.0*	7.3	10.6	4.9	*30.0*	7.8	11.6	5.1	*30.0*
	Jul	10.0	13.4	7.7	*31.0*	10.3	13.6	7.9	*31.0*	11.0	15.4	8.0	*30.4*
	Aug	**10.9**	**13.3**	**7.8**	***24.6***	11.2	13.6	8.0	*24.5*	11.3	13.6	8.2	*24.5*
	Sep												
	Oct												
Mean		7.9	10.2	5.8	*27.4*	8.2	10.9	5.9	*27.4*	8.5	11.7	6.1	*27.2*
Max.		10.9	13.4	7.8	*31.0*	11.2	13.6	8.0	*31.0*	11.3	15.4	8.2	*30.4*
Min.		3.8	5.0	2.9	*24.0*	3.9	5.7	3.0	*24.0*	4.1	6.2	3.1	*24.0*

Dino 3													
Year	Month	Bottom				Middle				Top			
		Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n
2008	May	**3.7**	**5.4**	**2.8**	***24.0***	**3.6**	**5.4**	**2.8**	***24.0***	**3.6**	**5.4**	**2.7**	***24.0***
	Jun	7.1	9.7	4.3	*30.0*	7.1	9.7	4.2	*30.0*	7.0	9.7	4.2	*30.0*
	Jul	10.1	13.6	7.6	*31.0*	10.0	13.5	7.5	*31.0*	10.0	13.5	7.4	*31.0*
	Aug	11.2	14.3	7.5	*31.0*	11.2	14.3	7.4	*31.0*	11.1	14.3	7.3	*31.0*
	Sep	11.7	13.3	9.6	*30.0*	11.7	13.2	9.6	*30.0*	11.6	13.2	9.5	*30.0*
	Oct	**10.8**	**12.8**	**9.3**	***27.5***	**10.7**	**12.8**	**9.2**	***27.5***	**10.7**	**12.8**	**9.2**	***27.5***
Mean		9.1	11.5	6.8	*28.9*	9.1	11.5	6.8	*28.9*	9.0	11.5	6.7	*28.9*
Max.		11.7	14.3	9.6	*31.0*	11.7	14.3	9.6	*31.0*	11.6	14.3	9.5	*31.0*
Min.		3.7	5.4	2.8	*24.0*	3.6	5.4	2.8	*24.0*	3.6	5.4	2.7	*24.0*

n = days for which temperature data is available

Bold = months for which a full set of temperature data is unavailable, hence presented monthly temperature data are not a true mean. Months where less than 0.5 days of data are missing are considered representative of mean monthly temperatures as less than 12 single hour measurements are missing from the data set.

Appendix E-2 Summary of monthly water temperature (°C) data collected from temperature data loggers placed in the Peace River and selected tributaries between November 2006 and November 2008.

Peace River Mainstem

Year	Date	Peace 1				Peace 2				Peace 3				Peace 4				Peace 5			
		Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n
2006	Nov.									***3.3***	***7.0***	***0.9***	*27.4*	***3.3***	***7.0***	***0.8***	*27.5*	***1.7***	***5.6***	***-0.1***	*26.0*
	Dec.									1.8	2.8	0.9	*31.0*	1.8	2.8	0.9	*31.0*	1.1	2.4	-0.1	*31.0*
2007	Jan.									0.4	1.9	-0.1	*31.0*	0.4	1.9	-0.1	*31.0*	0.2	1.8	-0.1	*31.0*
	Feb.									0.0	0.3	-0.1	*28.0*	0.0	0.3	-0.1	*28.0*	-0.1	0.0	-0.1	*28.0*
	Mar.	***0.6***	***1.5***	***-0.1***	*23.1*	***0.6***	***2.5***	***-0.3***	*21.9*	0.5	2.6	-0.1	*30.6*	0.5	2.0	-0.1	*31.0*	0.5	3.4	-0.1	*30.8*
	Apr.	***1.4***	***2.5***	***0.0***	*29.2*	***2.0***	***4.3***	***0.0***	*22.7*	***1.7***	***4.2***	***-0.1***	*24.4*	***1.7***	***4.4***	***-0.1***	*28.6*	1.8	6.1	-0.1	*30.0*
	May	2.8	4.2	1.4	*31.0*	3.8	6.7	1.6	*31.0*	5.2	8.4	2.8	*31.0*	***4.9***	***9.9***	***2.7***	*29.0*	6.9	1.5	4.1	*31.0*
	Jun.	5.7	8.6	3.6	*30.0*	7.2	10.3	4.2	*30.0*	8.8	11.0	6.4	*30.0*	***9.3***	***11.3***	***7.3***	*26.8*	11.1	13.4	8.8	*30.0*
	Jul.	9.3	11.0	7.8	*31.0*	10.5	***14.2***	***8.0***	*26.0*	10.8	13.0	9.0	*31.0*	11.6	13.7	9.8	*31.0*	14.0	17.7	11.9	*31.0*
	Aug.	9.3	12.1	7.6	*31.0*	10.3	***14.5***	***7.5***	*29.3*	***10.7***	***13.4***	***8.3***	*14.4*	10.7	13.6	8.6	*31.0*	***12.1***	***15.5***	***9.8***	*25.2*
	Sep.	11.3	12.6	8.3	*30.0*	11.4	13.2	8.4	*30.0*					11.4	13.5	9.5	*30.0*	11.6	14.9	9.7	*30.0*
	Oct.	9.8	11.0	8.7	*31.0*	9.5	11.0	8.4	*31.0*					9.1	10.8	7.8	*31.0*	8.4	11.1	6.8	*31.0*
	Nov.	6.9	8.7	4.8	*30.0*	6.4	8.4	4.0	*30.0*	5.2	6.7	3.7	*30.0*	5.3	7.9	3.1	*30.0*	4.9	7.3	1.5	*30.0*
	Dec.	3.0	4.8	1.4	*31.0*	2.5	4.2	0.7	*31.0*	2.3	4.8		*31.0*	2.0	3.6	0.3	*31.0*	1.1	2.9	-0.1	*31.0*
2008	Jan.	1.0	1.4	0.5	*31.0*	0.5	1.3	0.0	*31.0*	0.4	1.3	0.0	*31.0*	0.2	1.2	-0.1	*31.0*	***0.0***	***0.6***	***-0.2***	*29.8*
	Feb.	1.3	1.7	0.9	*29.0*	1.0	2.0	-0.1	*29.0*	0.9	1.9	0.0	*29.0*	0.7	1.8	-0.1	*29.0*	0.5	2.2	-0.2	*29.0*
	Mar.	1.7	2.0	1.3	*31.0*	1.7	2.7	0.3	*31.0*	1.7	2.5	0.0	*31.0*	1.6	2.7	-0.1	*31.0*	1.6	3.3	-0.1	*30.9*
	Apr.	2.3	3.2	1.7	*30.0*	2.7	4.5	1.5	*30.0*	2.7	4.7	1.5	*30.0*	2.7	4.4	1.3	*30.0*	2.9	5.7	0.4	*30.0*
	May	4.0	6.4	2.7	*30.9*	5.3	9.0	2.8	*31.0*	***6.4***	***11.0***	***2.6***	*29.8*	7.8	9.2	2.6	*31.0*	7.5	12.5	1.7	*31.0*
	Jun.	7.5	10.6	4.8	*30.0*	9.7	13.1	7.2	*30.0*	11.1	15.9	8.1	*29.9*	11.8	15.9	9.7	*30.0*	13.4	19.7	10.4	*30.0*
	Jul.	10.3	12.1	8.4	*31.0*	11.4	13.7	9.1	*31.0*	12.3	15.6	9.5	*31.0*	12.7	15.6	10.4	*31.0*	***14.8***	***20.4***	***12.0***	*27.9*
	Aug.	11.5	13.3	9.3	*31.0*	12.0	14.5	9.8	*31.0*	12.4	15.9	10.0	*31.0*	12.8	15.2	10.8	*31.0*	***14.0***	***17.2***	***11.2***	*23.0*
	Sep.	11.7	12.0	10.3	*30.0*	11.9	13.6	10.0	*30.0*	12.1	14.0	10.2	*30.0*	12.0	13.6	10.2	*30.0*	12.4	14.9	10.5	*30.0*
	Oct.	***10.6***	***12.3***	***9.3***	*27.7*	10.1	12.8	8.0	*30.5*	***9.9***	***12.8***	***7.6***	*29.4*	***9.7***	***12.7***	***7.4***	*29.5*	9.1	13.2	5.8	*29.7*
Mean		**6.4**			*29.9*	**6.2**			*29.4*	**3.6**			*29.2*	**4.0**			*30.0*	**4.1**			*29.5*
Max.		**11.7**	**13.3**	**10.3**	*31.0*	**12.0**	**14.5**	**10.0**	*31.0*	**12.4**	**15.9**	**10.2**	*31.0*	**12.8**	**15.9**	**10.8**	*31.0*	**14.8**	**20.4**	**12.0**	*31.0*
Min.		**0.6**	**1.4**	**-0.1**	*23.1*	**0.5**	**1.3**	**-0.3**	*21.9*	**0.0**	**0.3**	**-0.1**	*14.4*	**0.0**	**0.3**	**-0.1**	*26.8*	**-0.1**	**0.0**	**-0.2**	*23.0*

Peace River Tributaries

Year	Date	Moberly 6				Halfway 9				Farrell 11				Pine 16				Beatton 17				Kiskatinaw 18			
		Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n	Mean	Max	Min	n
2006	Nov.													***-0.1***	***0.1***	***-0.4***	*27.5*					***-0.1***	***-0.1***	***-0.1***	*26.4*
	Dec.													-0.1	0.0	-0.1	*31.0*					-0.1	-0.1	-0.1	*31.0*
2007	Jan.													-0.1	0.0	-0.4	*31.0*					-0.1	-0.1	0.1	*31.0*
	Feb.													-0.2	-0.1	-0.3	*28.0*					-0.1	-0.1	-0.1	*28.0*
	Mar.	***-0.1***	***0.1***	***-0.1***	*28.4*	***-0.1***	***0.0***	***-0.1***	*26.5*	***-0.1***	***0.5***	***-0.5***	*27.4*	-0.2	-0.1	-0.3	*31.0*					-0.1	-0.1	-0.1	*31.0*
	Apr.	***0.0***	***0.7***	***-0.2***	*9.0*	1.8	8.3	-0.1	29.5	***2.3***	***9.1***	***-0.1***	*25.4*	1.4	7.9	-0.1	*30.0*					-0.1	1.6	-0.1	*29.5*
	May	***8.8***	***14.1***	***3.9***	*29.1*	8.8	14.4	3.7	31.0	***7.8***	***14.4***	***3.1***	*23.4*	7.1	10.6	5.3	*31.0*	***11.3***	***18.2***	***7.7***	*15.4*	8.6	18.6	5.0	*31.0*
	Jun.	13.5	15.7	10.6	*29.9*	10.9	14.0	7.7	30.0	***16.9***	***22.0***	***11.7***	*24.2*	9.3	11.4	7.0	*30.0*	17.8	22.3	13.9	*30.0*	18.5	23.0	13.9	*30.0*
	Jul.	18.2	21.3	14.4	*31.0*	16.1	20.5	10.7	31.0	20.0	29.6	13.5	*31.0*	15.2	19.9	11.1	*31.0*	***19.7***	***25.0***	***13.3***	*24.4*	20.8	28.2	14.7	*31.0*
	Aug.	16.1	19.6	13.3	*31.0*	15.0	19.4	10.6	31.0	16.3	25.7	10.5	*31.0*	***16.2***	***20.6***	***13.2***	*20.6*	***15.3***	***21.2***	***10.5***	*16.5*	16.7	24.0	12.2	*31.0*
	Sep.	11.9	14.9	7.6	*30.0*	10.0	14.2	5.3	30.0	10.9	18.0	4.7	*30.0*	***11.0***	***17.8***	***5.0***	*19.0*	11.1	17.0	5.6	*30.0*	11.2	17.1	5.6	*30.0*
	Oct.	5.4	8.0	3.3	*31.0*	3.7	8.1	0.6	31.0	3.8	10.0	-0.1	*31.0*	5.3	11.6	3.0	*31.0*	4.9	10.0	0.5	*31.0*	4.1	9.3	0.7	*31.0*
	Nov.	0.4	3.7	-0.1	*30.0*	0.3	1.8	-0.1	30.0	0.0	0.0	0.0	*30.0*	0.4	3.4	-0.1	*30.0*	0.2	2.4	-0.1	*30.0*	0.0	1.7	-0.1	*30.0*
	Dec.	-0.1	-0.1	-0.1	*31.0*					0.0	0.0	0.0	*31.0*	0.0	0.3	-0.1	*31.0*	0.2	0.4	0.0	*31.0*	-0.1	-0.1	-0.1	*31.0*
2008	Jan.	-0.1	-0.1	-0.1	*31.0*					0.0	0.0	0.0	*31.0*	0.4	0.7	0.0	*31.0*	-0.1	0.1	-0.3	*31.0*	-0.1	-0.1	-0.1	*31.0*
	Feb.	-0.1	-0.1	-0.1	*29.0*					0.0	0.0	0.0	*29.0*	0.1	0.6	0.0	*29.0*	-0.3	-0.1	-0.3	*29.0*	-0.1	-0.1	-0.1	*29.0*
	Mar.	-0.1	-0.1	-0.1	*31.0*					0.0	0.0	-0.1	*31.0*	0.2	0.4	0.0	*31.0*	-0.2	-0.1	-0.3	*31.0*	-0.1	-0.1	-0.1	*31.0*
	Apr.	0.1	3.3	-0.1	*30.0*					***0.6***	***4.2***	***-0.1***	*26.5*	0.3	1.2	0.0	*30.0*	0.1	5.2	-0.1	*30.0*	1.3	10.3	-0.1	*30.0*
	May	8.9	13.0	1.3	*31.0*	***9.3***	***11.5***	***7.0***	*10.3*	***9.5***	***18.8***	***0.0***	*25.8*	6.9	9.8	1.8	*31.0*	8.5	17.2	0.1	*31.0*	11.2	16.9	4.6	*31.0*
	Jun.	***14.8***	***18.8***	***11.4***	*17.0*	11.2	15.7	9.5	30.0	***16.6***	***26.2***	***10.4***	*28.5*	1.1	17.7	7.8	*30.0*	***15.7***	***20.8***	***10.9***	*26.0*	17.2	24.9	13.5	*30.0*
	Jul.	***18.4***	***22.5***	***14.7***	*20.3*	15.3	17.5	12.9	31.0	***19.3***	***26.8***	***12.9***	*18.5*	17.1	22.6	13.5	*31.0*	***19.6***	***24.0***	***16.1***	*23.0*	19.9	26.9	13.9	*31.0*
	Aug.	17.8	25.3	11.3	*31.0*	14.0	18.9	9.8	31.0	17.5	27.3	10.2	*31.0*	16.5	23.4	11.1	*31.0*	18.4	28.6	12.2	*31.0*	18.3	27.1	10.3	*31.0*
	Sep.	12.1	16.0	6.9	*30.0*	10.9	14.1	6.2	30.0	11.9	18.1	4.9	*30.0*	11.4	13.1	10.5	*30.0*	13.1	18.2	7.5	*30.0*	12.3	16.9	7.0	*30.0*
	Oct.	***4.2***	***12.1***	***-0.1***	*28.7*	4.5	11.5	0.0	30.5	***4.0***	***13.8***	***-0.1***	*30.4*	***6.0***	***13.8***	***0.7***	*30.0*	***8.7***	***14.9***	***4.1***	*14.0*	***4.4***	***13.7***	***0.1***	*29.5*
Mean		**6.6**			*28.0*	**9.3**			**28.9**	**6.6**			*28.3*	**3.0**			*29.4*	**9.0**			*26.9*	**4.2**			*30.2*
Max.		**18.4**	**21.3**	**14.4**	*31.0*	**16.1**	**20.5**	**10.7**	**31.0**	**20.0**	**29.6**	**13.5**	*31.0*	**17.1**	**20.6**	**13.2**	*31.0*	**19.7**	**25.0**	**13.9**	*31.0*	**20.8**	**28.2**	**14.7**	*31.0*
Min.		**-0.1**	**0.1**	**-0.2**	*9.0*	**-0.1**	**0.0**	**-0.1**	**26.5**	**-0.1**	**0.0**	**-0.5**	*23.4*	**-0.2**	**-0.1**	**-0.4**	**19.0**	**0.2**	**2.4**	**-0.1**	*15.4*	**-0.1**	**-0.1**	**-0.1**	*26.4*

n = days for which temperature data is available

Bold = months for which a full set of temperature data is unavailable; hence presented monthly temperature data are not a true mean. Months where less than 0.5 days of data are missing are considered representative of mean monthly temperatures as less than 12 single hour measurements are missing from the data set.

APPENDIX F

Summary of Water Quality Analysis Results from the Peace River Watershed – November 2006 - October 2008

August 2009
Report No. 08-1430-0016

Golder Associates

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Peace 1 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	15-APR-07	17-MAY-07	08-JUN-07	04-JUL-07	14-AUG-07	14-AUG-07			
Sample Period	Winter	Spring 1	Spring 2	Spring 3	Spring 3	Late Summer	Late Summer			
Date Sampled	04-MAR-07	15-APR-07	17-MAY-07	08-JUN-07	04-JUL-07	14-AUG-07	14-AUG-07			
Time Sampled	10:25	16:45	11:45	16:00	10:00	N/A	11:15			
ALS Sample ID	L483753-10	L496604-5	L507216-1	L515733-1	L527080-5	L542126-19	L542126-1			
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Hardness (as CaCO3) (mg/L)	92.5	94	99.7	95.4	105	91	92.1			
Colour, True (CU)	<5.0	<5.0	5.0	7.3	6.1	6.0	6.0			
Conductivity (µS/cm)	188	176	186	171	180	178	173			
pH (mg/L)	8.22	8.16	7.88	8.17	8.16	8.13	8.07			
Total Dissolved Solids (mg/L)	111	101	109	111	98.0	110	101			
Total Suspended Solids (mg/L)	<3.0	<3.0	3.7	14.8	5.5	<3.0	3.5			
Turbidity (NTU)	1.07	1.41	3.88	22.8	5.56	2.64	2.54			
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	<0.004	0.0086	0.010	0.0085	0.011	0.012			
Ammonia as N (mg/L)	<0.020	<0.020	0.024	0.031	<0.020	<0.020	<0.020			
Acidity (to pH 8.3) CaCO3 (mg/L)	2.0	1.0	5.9	1.7	1.2	<1.0	<1.0			
Alkalinity-Total CaCO3 (mg/L)	91.1	76.0	84.2	77.2	72.0	80.8	78.2			
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			
Fluoride (F) (mg/L)	0.041	0.038	0.035	0.027	<0.020	0.035	0.037			
Sulfate (SO4) (mg/L)	15.5	13.0	12.5	12.3	12.1	12.2	12.2			
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020			
Nitrate and Nitrite as N (mg/L)	0.0675	0.053	0.052	0.138	0.0563	0.0735	0.0533			
Nitrate (as N) (mg/L)			0.0520	0.138	0.0563	0.0735	0.0523			
Nitrite (as N) (mg/L)			<0.0010	<0.0010	<0.0010	<0.0010	0.0010			
Total Kjeldahl Nitrogen (mg/L)	0.084	0.098	0.075	0.227	0.122	0.143	0.140			
Total Nitrogen (mg/L)	0.152	0.151	0.18	0.365	0.178	0.12	0.16			
Ortho Phosphate as P (mg/L)	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	<0.0010			
Total Dissolved Phosphate P (mg/L)	0.0023	<0.0020	<0.0020	0.0026	<0.0020	<0.0020	<0.0020			
Total Phosphate as P (mg/L)	0.0051	0.0037	0.0066	0.0232	0.0092	0.0056	0.0054			

Sample Site: Peace 1 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	15-APR-07	17-MAY-07	08-JUN-07	04-JUL-07	14-AUG-07	14-AUG-07			
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0236	0.0369	0.0278	0.0650	0.049	0.0257	0.0287			
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Arsenic (As)-Total (mg/L)	0.00018	0.00021	0.00020	0.00021	0.00022	0.00019	0.00019			
Barium (Ba)-Total (mg/L)	0.0299	0.0313	0.0335	0.0440	0.0313	0.0304	0.0295			
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010			
Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Calcium (Ca)-Total (mg/L)	27.1	29.8	28.8	28.3	30.4	26.8	26.1			
Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	<0.00020	0.00012	<0.00010	<0.00010	<0.00010			
Copper (Cu)-Total (mg/L)	0.00057	0.00078	0.00080	0.00090	0.00075	0.00076	0.00064			
Iron (Fe)-Total (mg/L)	<0.030	0.042	0.059	0.132	0.075	0.046	0.038			
Lead (Pb)-Total (mg/L)	<0.000050	0.000062	<0.00010	0.000222	0.000078	0.000055	0.000052			
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050			
Magnesium (Mg)-Total (mg/L)	6.10	6.08	6.31	6.34	6.81	6.20	5.95			
Manganese (Mn)-Total (mg/L)	0.00193	0.00225	0.00523	0.00843	0.00427	0.00243	0.00230			
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum (Mo)-Total (mg/L)	0.000766	0.000847	0.00074	0.000618	0.000905	0.000705	0.000677			
Nickel (Ni)-Total (mg/L)	0.00059	0.00068	<0.0010	0.00089	0.00066	0.00069	<0.00050			
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30			
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon (Si)-Total (mg/L)	2.07	2.01	1.95	2.00	1.89	1.92	1.89			
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000020	<0.000010	<0.000010	<0.000010	<0.000010			
Sodium (Na)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Strontium (Sr)-Total (mg/L)	0.101	0.102	0.107	0.0953	0.108	0.0909	0.0887			
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Uranium (U)-Total (mg/L)	0.000469	0.000465	0.000475	0.000476	0.000458	0.000440	0.000430			
Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Zinc (Zn)-Total (mg/L)	0.0035	<0.0040	<0.0020	<0.0030	0.0016	0.0022	0.0012			

Sample Site: Peace 1 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	15-APR-07	17-MAY-07	08-JUN-07	04-JUL-07	14-AUG-07	14-AUG-07			
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0023	0.0028	0.0066	0.0242	0.0040	0.0049	0.0052			
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	0.00074	<0.00010	<0.00010	<0.00010			
Arsenic (As)-Dissolved (mg/L)	0.00016	0.00018	<0.00020	0.00016	0.00018	0.00017	0.00018			
Barium (Ba)-Dissolved (mg/L)	0.0290	0.0294	0.0322	0.0358	0.0304	0.0289	0.0306			
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010			
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Calcium (Ca)-Dissolved (mg/L)	27.1	27.5	29.4	27.9	31.0	26.4	26.8			
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Copper (Cu)-Dissolved (mg/L)	0.00042	0.00114	0.00198	0.00069	0.00054	0.00071	0.00056			
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030			
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050			
Magnesium (Mg)-Dissolved (mg/L)	6.05	6.18	6.37	6.26	6.85	6.09	6.08			
Manganese (Mn)-Dissolved (mg/L)	0.000369	0.000662	0.00205	0.00215	0.000252	0.000672	0.000703			
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum (Mo)-Dissolved (mg/L)	0.000757	0.000784	0.00074	0.000717	0.000757	0.000716	0.000709			
Nickel (Ni)-Dissolved (mg/L)	<0.00050	0.00061	0.0017	0.00062	0.00058	0.00099	<0.00050			
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30			
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon (Si)-Dissolved (mg/L)	2.00	2.01	1.96	1.97	1.89	1.88	1.90			
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000020	<0.000010	<0.000010	<0.000010	<0.000010			
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Strontium (Sr)-Dissolved (mg/L)	0.0978	0.0951	0.104	0.0957	0.107	0.0888	0.0899			
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Uranium (U)-Dissolved (mg/L)	0.000453	0.000457	0.000453	0.000508	0.000449	0.000425	0.000430			
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0012	0.0025	0.0019	0.0014	0.0060	<0.0010			
Organic Parameters										
Chlorophyll a (µg/L)	0.424	0.364	0.834	0.567	0.645	0.526	0.444			
Dissolved Organic Carbon (mg/L)	2.04	2.13	2.46	2.75	2.42	2.48	2.53			
Total Inorganic Carbon (mg/L)	12.8	11.3	16.5	15.4	12.1	14.5	14.4			
Total Organic Carbon (mg/L)	2.22	2.13	2.65	3.17	2.52	2.73	2.65			

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Peace 2 **Sampling Matrix: Water**

Date Sampled	15-APR-07	16-APR-07	22-MAY-07	06-JUN-07	04-JUL-07	14-AUG-07				
Sample Period	Spring 1	Spring 1	Spring 2	Spring 3	Spring 3	Late Summer				
Date Sampled	15-APR-07	16-APR-07	22-MAY-07	06-JUN-07	04-JUL-07	14-AUG-07				
Time Sampled	15:30	15:30	13:00	16:00	12:30	13:50				
ALS Sample ID	L496604-2	L496604-9	L508268-3	L515422-4	L527080-6	L542126-2				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	105	106	105	99.3	103	91.9				
Colour, True (CU)	<5.0	<5.0	7.4	5.8	5.8	5.9				
Conductivity (µS/cm)	185	193	184	185	186	179				
pH (mg/L)	8.15	8.15	8.07	8.20	8.12	8.12				
Total Dissolved Solids (mg/L)	106	109	109	106	104	105				
Total Suspended Solids (mg/L)	8.2	19.2	17.0	<3.0	7.0	<3.0				
Turbidity (NTU)	12.2	18.6	16.3	4.22	5.76	2.34				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	0.0043	<0.004	0.010	0.009	0.0078	0.013				
Ammonia as N (mg/L)	0.021	<0.020	<0.020	<0.020	<0.020	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	1.3	1.2	1.7	2.2	3.0	<1.0				
Alkalinity-Total CaCO3 (mg/L)	80.6	79.8	85.1	79.9	67.8	80.0				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50				
Fluoride (F) (mg/L)	0.040	0.039	0.035	0.038	<0.020	0.037				
Sulfate (SO4) (mg/L)	14.9	15.2	13.0	13.5	12.2	12.4				
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.0475	0.0481		0.045	0.0535	0.0461				
Nitrate (as N) (mg/L)			0.0602	0.0450	0.0535	0.0461				
Nitrite (as N) (mg/L)			<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.083	0.095	0.215	0.120	0.115	0.129				
Total Nitrogen (mg/L)	0.131	0.143	0.275	0.165	0.169	0.12				
Ortho Phosphate as P (mg/L)	0.0015	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Total Dissolved Phosphate P (mg/L)	0.0031	0.0034	0.0022	0.0023	<0.0020	<0.0020				
Total Phosphate as P (mg/L)	0.0131	0.0193	0.0198	0.0069	0.0080	0.0054				

Note: **Bold** values exceed BCWQ Guidelines, Grey Shading exceed CCME guidelines for the protection of Aquatic Life.

Laboratory analysis provided by ALS.

Sample Site: Peace 2 **Sampling Matrix: Water**

Date Sampled	15-APR-07	16-APR-07	22-MAY-07	06-JUN-07	04-JUL-07	14-AUG-07				
Total Metals										
Aluminum (Al)-Total (mg/L)	**0.213**	**0.420**	**0.334**	0.0254	0.0406	0.0299				
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	0.00035	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Total (mg/L)	0.00033	0.00049	0.00033	0.00021	0.00020	0.00020				
Barium (Ba)-Total (mg/L)	0.0376	0.0439	0.0416	0.0346	0.0322	0.0306				
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Total (mg/L)	<0.000050	**0.000054**	**0.000070**	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Total (mg/L)	25.9	31.5	30.4	28.9	31.5	28.9				
Chromium (Cr)-Total (mg/L)	<0.00050	0.00096	0.00059	<0.00050	<0.00050	<0.00050				
Cobalt (Co)-Total (mg/L)	0.00016	0.00029	0.00020	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Total (mg/L)	0.00157	0.00173	0.00134	0.00073	0.00067	0.00067				
Iron (Fe)-Total (mg/L)	0.225	**0.512**	**0.432**	0.046	0.079	0.043				
Lead (Pb)-Total (mg/L)	0.000180	0.000355	0.000269	0.000054	0.000068	<0.000050				
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Total (mg/L)	5.91	6.74	6.88	6.65	7.18	6.22				
Manganese (Mn)-Total (mg/L)	0.00794	0.0200	0.0102	0.00380	0.00485	0.00244				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.00129	0.000888	0.000824	0.000719	0.000663	0.000671				
Nickel (Ni)-Total (mg/L)	0.00125	0.00166	0.00129	0.00071	0.00065	<0.00050				
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Total (mg/L)	1.96	2.58	2.40	1.85	1.94	1.86				
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Total (mg/L)	0.101	0.109	0.108	0.0985	0.105	0.0918				
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Total (mg/L)	<0.010	0.011	0.010	<0.010	<0.010	<0.010				
Uranium (U)-Total (mg/L)	0.000483	0.000520	0.000499	0.000487	0.000458	0.000445				
Vanadium (V)-Total (mg/L)	0.0012	0.0020	0.0015	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Total (mg/L)	<0.0060	<0.0060	0.0034	<0.0010	0.0011	<0.0010				

Sample Site: Peace 2 **Sampling Matrix: Water**

Date Sampled	15-APR-07	16-APR-07	22-MAY-07	06-JUN-07	04-JUL-07	14-AUG-07				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0092	0.0105	0.0172	0.0036	0.0033	0.0038				
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Dissolved (mg/L)	0.00021	0.00022	0.00020	0.00019	0.00017	0.00019				
Barium (Ba)-Dissolved (mg/L)	0.0318	0.0343	0.0349	0.0336	0.0304	0.0299				
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	31.0	31.4	30.5	29.0	30.2	26.7				
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Dissolved (mg/L)	0.00061	0.00063	0.00073	0.00090	0.00053	0.00053				
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Dissolved (mg/L)	6.70	6.78	6.97	6.55	6.66	6.15				
Manganese (Mn)-Dissolved (mg/L)	0.00212	0.00856	0.00190	0.00129	0.000196	0.000451				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.000975	0.000819	0.000714	0.000752	0.000685	0.000709				
Nickel (Ni)-Dissolved (mg/L)	0.00070	0.00070	0.00060	0.00063	0.00060	<0.00050				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Dissolved (mg/L)	1.93	1.91	1.94	1.81	1.85	1.83				
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Dissolved (mg/L)	0.0981	0.102	0.105	0.0981	0.104	0.0917				
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.000472	0.000504	0.000472	0.000506	0.000450	0.000427				
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	0.0015	<0.0010	<0.0010	0.0022	<0.0010	<0.0010				
Organic Parameters										
Chlorophyll a (µg/L)	0.449	0.563	0.654	0.709	0.813	0.633				
Dissolved Organic Carbon (mg/L)	2.35	2.29	2.86	2.82	2.36	2.48				
Total Inorganic Carbon (mg/L)	15.4	16.2	16.8	14.4	11.8	14.4				
Total Organic Carbon (mg/L)	2.39	2.60	3.58	2.95	2.70	2.65				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Peace 3 **Sampling Matrix: Water**

Date Sampled	03-NOV-06	16-APR-07	16-MAY-07	16-MAY-07	08-JUN-07	08-JUN-07	04-JUL-07	14-AUG-07		
Sample Period	Fall	Spring 1	Spring 2	Spring 2	Spring 3	Spring 3	Spring 3	Late Summer		
Date Sampled	03-NOV-06	16-APR-07	16-MAY-07	16-MAY-07	08-JUN-07	08-JUN-07	04-JUL-07	14-AUG-07		
Time Sampled	16:11	10:45	N/A	17:30	N/A	11:00	15:00	16:00		
ALS Sample ID	4	L496604-3	L506847-9	L506847-3	L515733-4	L515733-2	L527080-7	L542126-3		
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Hardness (as CaCO3) (mg/L)	91.1	111	107	105	130	129	110	102		
Colour, True (CU)	6.2	8.1	11.2	10	18.2	16.8	8.0	6.2		
Conductivity (µS/cm)	181	201	194	190	231	227	202	189		
pH (mg/L)	8.03	8.16	8.14	8.1	8.23	8.24	8.16	8.17		
Total Dissolved Solids (mg/L)	102	130	119	122	161	165	121	108		
Total Suspended Solids (mg/L)	3.0	93.7	14	24.2	1020	954	38.0	6.0		
Turbidity (NTU)	3.13	86.2	14.3	13.7	757	759	21.4	4.32		
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	<0.004		0.011	0.010	0.009	0.0099	0.0097		
Ammonia as N (mg/L)	<0.020	<0.020	<0.020	<0.020	0.093	0.043	<0.020	<0.020		
Acidity (to pH 8.3) CaCO3 (mg/L)	2.5	1.3	1.4	1.5	1.5	1.5	1.4	<1.0		
Alkalinity-Total CaCO3 (mg/L)	85.6	84.5	91.9	89.6	115	117	77.5	84.7		
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		
Fluoride (F) (mg/L)	0.039	0.048	0.045	0.045	0.046	0.060	0.021	0.039		
Sulfate (SO4) (mg/L)	12.3	18.6	15.2	15	17.9	17.9	14.5	13.8		
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	0.023	<0.020	<0.020	<0.020		
Nitrate and Nitrite as N (mg/L)	0.0388	0.0555			0.051	0.0523	0.0457	0.0428		
Nitrate (as N) (mg/L)	0.0386		0.0421	0.0428	0.0510	0.0523	0.0457	0.0428		
Nitrite (as N) (mg/L)	<0.0010		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		
Total Kjeldahl Nitrogen (mg/L)	0.123	0.134	0.148	0.149	1.63	1.62	0.217	0.126		
Total Nitrogen (mg/L)	0.110	0.19	0.19	0.192	1.68	1.67	0.263	0.10		
Ortho Phosphate as P (mg/L)		0.0065	0.0013	<0.0010	0.0109	0.0110	<0.0010	<0.0010		
Total Dissolved Phosphate P (mg/L)	<0.0020	0.0091	0.0031	0.0029	0.0097	0.0099	<0.0020	<0.0020		
Total Phosphate as P (mg/L)	0.0077	0.106	0.0209	0.0258	0.984	0.85	0.0445	0.0081		

Sample Site: Peace 3 **Sampling Matrix: Water**

Date Sampled	03-NOV-06	16-APR-07	16-MAY-07	16-MAY-07	08-JUN-07	08-JUN-07	04-JUL-07	14-AUG-07		
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0405	**2.08**	**0.292**	**0.35**	**8.44**	**10.000**	**0.509**	0.0400		
Antimony (Sb)-Total (mg/L)	<0.00010	0.00015	<0.00010	<0.00010	0.00066	0.00079	0.00011	<0.00010		
Arsenic (As)-Total (mg/L)	0.00019	0.00118	0.00032	0.00035	**0.00527**	**0.00768**	0.00047	0.00021		
Barium (Ba)-Total (mg/L)	0.0317	0.0783	0.0498	0.0445	0.372	0.506	0.0539	0.0353		
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050		
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050		
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	0.025	0.030	<0.010	<0.010		
Cadmium (Cd)-Total (mg/L)	<0.000050	**0.000128**	<0.000050	<0.000050	**0.00143**	**0.00165**	**0.000060**	<0.000050		
Calcium (Ca)-Total (mg/L)	27.1	34.2	31.6	30.9	78.5	83.0	33.6	29.9		
Chromium (Cr)-Total (mg/L)	<0.00050	0.00373	0.00054	0.00062	0.0167	0.0218	0.00114	<0.00050		
Cobalt (Co)-Total (mg/L)	<0.00010	0.00127	0.00022	0.00021	0.00595	0.00752	0.00030	<0.00010		
Copper (Cu)-Total (mg/L)	0.00064	**0.00421**	0.00161	0.0013	**0.0159**	**0.0200**	0.00200	0.00079		
Iron (Fe)-Total (mg/L)	0.065	**2.44**	**0.426**	**0.452**	**14.4**	**21.1**	**0.724**	0.094		
Lead (Pb)-Total (mg/L)	0.000056	0.00136	0.000255	0.000245	0.00870	0.0117	0.000502	0.000084		
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	0.013	0.017	<0.0050	<0.0050		
Magnesium (Mg)-Total (mg/L)	6.09	7.79	7.14	7.13	17.7	20.1	8.04	6.42		
Manganese (Mn)-Total (mg/L)	0.00319	0.0547	0.0101	0.00952	0.227	0.246	0.0135	0.00410		
Mercury (Hg)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050		
Molybdenum (Mo)-Total (mg/L)	0.000721	0.00125	0.000869	0.000966	0.00327	0.00418	0.00112	0.000802		
Nickel (Ni)-Total (mg/L)	0.00060	0.00473	0.00143	0.00149	0.0235	0.0301	0.00187	<0.00050		
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	1.07	1.26	<0.30	<0.30		
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	4.1	5.0	<2.0	<2.0		
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010		
Silicon (Si)-Total (mg/L)	1.72	5.64	2.43	2.5	20.4	24.3	2.79	1.82		
Silver (Ag)-Total (mg/L)	<0.000010	0.000027	<0.000010	<0.000010	**0.000178**	**0.000278**	0.000017	<0.000010		
Sodium (Na)-Total (mg/L)	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Strontium (Sr)-Total (mg/L)	0.0955	0.118	0.108	0.11	0.202	0.218	0.127	0.0997		
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	**0.00036**	**0.00053**	<0.00010	<0.00010		
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010		
Titanium (Ti)-Total (mg/L)	<0.010	0.053	<0.010	<0.010	0.203	0.202	0.011	<0.010		
Uranium (U)-Total (mg/L)	0.000448	0.000623	0.000486	0.000486	0.00161	0.00172	0.000550	0.000447		
Vanadium (V)-Total (mg/L)	<0.0010	**0.0086**	0.0014	0.0017	**0.0479**	**0.0583**	0.0029	<0.0010		
Zinc (Zn)-Total (mg/L)	<0.0010	**0.0138**	0.0035	0.0037	**0.0928**	**0.118**	0.0055	0.0012		

Sample Site: Peace 3 **Sampling Matrix: Water**

Date Sampled	03-NOV-06	16-APR-07	16-MAY-07	16-MAY-07	08-JUN-07	08-JUN-07	04-JUL-07	14-AUG-07		
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	<0.0040	0.0345	0.0392	0.0173	0.0493	0.0518	0.0115	0.0057		
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00074	0.00068	<0.00010	<0.00010		
Arsenic (As)-Dissolved (mg/L)	0.00018	0.00026	0.00022	0.00016	0.00028	0.00026	0.00020	0.00018		
Barium (Ba)-Dissolved (mg/L)	0.0306	0.0363	0.0404	0.0345	0.0553	0.0533	0.0362	0.0334		
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050		
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050		
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.020	<0.020	<0.010	<0.010		
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.00010	<0.00010	<0.000050	<0.000050		
Calcium (Ca)-Dissolved (mg/L)	26.6	32.5	31.1	30.7	37.4	36.9	31.8	29.8		
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050		
Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00010	0.00012	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010		
Copper (Cu)-Dissolved (mg/L)	<0.00080	0.00081	0.00095	0.00066	0.00086	0.00109	0.00065	0.00055		
Iron (Fe)-Dissolved (mg/L)	<0.030	0.037	0.127	<0.030	0.043	0.046	<0.030	<0.030		
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	0.000165	<0.000050	<0.00010	<0.00010	<0.000050	<0.000050		
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050		
Magnesium (Mg)-Dissolved (mg/L)	5.97	7.18	7.07	6.98	8.99	8.90	7.40	6.63		
Manganese (Mn)-Dissolved (mg/L)	<0.00030	0.00926	0.00866	0.00204	0.00218	0.00241	0.000457	0.00142		
Mercury (Hg)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050		
Molybdenum (Mo)-Dissolved (mg/L)	0.000762	0.00100	0.000803	0.000843	0.00224	0.00224	0.00100	0.000836		
Nickel (Ni)-Dissolved (mg/L)	0.00053	0.00111	0.00105	0.00071	0.0012	0.0012	0.00086	<0.00050		
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30		
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010		
Silicon (Si)-Dissolved (mg/L)	1.67	1.92	1.88	1.92	1.76	1.76	1.76	1.77		
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000020	<0.000020	<0.000010	<0.000010		
Sodium (Na)-Dissolved (mg/L)	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Strontium (Sr)-Dissolved (mg/L)	0.0984	0.107	0.102	0.097	0.133	0.131	0.117	0.0997		
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010		
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010		
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		
Uranium (U)-Dissolved (mg/L)	0.000451	0.000520	0.000468	0.000443	0.000623	0.000630	0.000444	0.000452		
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010		
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0010	0.0012	<0.0010	0.0021	0.0020	<0.0010	<0.0010		
Organic Parameters										
Chlorophyll a (µg/L)	0.838	0.845	0.805	0.775	0.676	0.237	0.980	0.724		
Dissolved Organic Carbon (mg/L)	2.29	2.54	3.56	3.47	3.40	3.71	2.51	2.42		
Total Inorganic Carbon (mg/L)	16.1	17.2	14.5	16.7	34.2	34.0	14.1	15.7		
Total Organic Carbon (mg/L)	2.48	3.34	3.88	3.53	5.85	4.90	3.02	2.59		

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Peace 4 **Sampling Matrix: Water**

Date Sampled	03-NOV-06	03-NOV-06	02-MAR-07	02-MAR-07	16-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	14-AUG-07	
Sample Period	Fall	Fall	Winter	Winter	Spring 1	Spring 2	Spring 3	Spring 3	Late Summer	
Date Sampled	03-NOV-06	03-NOV-06	02-MAR-07	02-MAR-07	16-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	14-AUG-07	
Time Sampled	14:01	14:01	16:00	16:00	12:00	15:45	13:00	16:00	16:50	
ALS Sample ID	2	1	L483753-3	L483753-2	L496604-4	L506847-2	L515733-3	L527080-8	L542126-4	
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Hardness (as CaCO3) (mg/L)	88.8	89.5	92.1	91.2	106	104	131	114	104	
Colour, True (CU)	6.3	8.1	<5.0	<5.0	6.7	11	18.2	7.9	5.8	
Conductivity (µS/cm)	182	181	187	187	202	190	226	206	198	
pH (mg/L)	7.95	7.55	8.15	8.16	8.17	8.09	8.23	7.47	8.19	
Total Dissolved Solids (mg/L)	101	103	98.0	114	128	123	162	111	119	
Total Suspended Solids (mg/L)	4.5	3.5	<3.0	<3.0	64.2	36.9	1010	54.5	4.5	
Turbidity (NTU)	2.95	3.56	0.94	1.10	67.2	14.6	770	24.2	3.93	
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	0.0055	0.009	0.0075	0.010	
Ammonia as N (mg/L)	0.031	0.035	0.023	0.026	<0.020	<0.020	0.050	<0.020	<0.020	
Acidity (to pH 8.3) CaCO3 (mg/L)	2.9	3.6	2.9	3.0	<1.0	1.6	1.6	7.8	<1.0	
Alkalinity-Total CaCO3 (mg/L)	89.0	86.4	99.2	87.6	80.3	89	116	77.4	89.0	
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Fluoride (F) (mg/L)	0.041	0.040	0.042	0.040	0.047	0.046	0.047	0.021	0.041	
Sulfate (SO4) (mg/L)	12.4	12.4	14.0	14.0	17.8	15.4	17.8	14.4	14.7	
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Nitrate and Nitrite as N (mg/L)	0.0437	0.0428	0.0604	0.058	0.0475		0.057	0.0499	0.0412	
Nitrate (as N) (mg/L)	0.0428	0.0422				0.0418	0.0570	0.0499	0.0412	
Nitrite (as N) (mg/L)	<0.0010	<0.0010				<0.0010	<0.0010	<0.0010	<0.0010	
Total Kjeldahl Nitrogen (mg/L)	0.183	0.200	0.078	0.064	0.093	0.144	1.50	0.201	0.117	
Total Nitrogen (mg/L)	0.140	0.180	0.138	0.122	0.141	0.186	1.55	0.251	0.09	
Ortho Phosphate as P (mg/L)			<0.0010	<0.0010	0.0038	0.001	0.0107	<0.0010	<0.0010	
Total Dissolved Phosphate P (mg/L)	0.0042	0.0053	<0.0020	<0.0020	0.0068	0.003	0.0100	<0.0020	<0.0020	
Total Phosphate as P (mg/L)	0.0144	0.0156	0.0152	0.0047	0.0777	0.0231	1.17	0.0233	0.0070	

Sample Site: Peace 4 **Sampling Matrix: Water**

Date Sampled	03-NOV-06	03-NOV-06	02-MAR-07	02-MAR-07	16-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	14-AUG-07	
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0391	0.0357	0.0244	0.0254	**1.78**	**0.392**	**8.55**	**0.654**	0.0463	
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00016	<0.00010	0.00074	0.00013	<0.00010	
Arsenic (As)-Total (mg/L)	0.00020	0.00021	0.00018	0.00017	0.00099	0.00037	**0.00617**	0.00059	0.00022	
Barium (Ba)-Total (mg/L)	0.0326	0.0329	0.0307	0.0308	0.0707	0.047	0.429	0.0659	0.0368	
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.027	<0.010	<0.010	
Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	**0.000104**	**5.2e-005**	**0.00169**	**0.000086**	<0.000050	
Calcium (Ca)-Total (mg/L)	26.5	27.4	27.6	27.5	32.5	31.1	83.2	33.7	31.4	
Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	0.00327	0.00069	0.0178	0.00144	<0.00050	
Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	0.00099	0.00023	0.00677	0.00041	<0.00010	
Copper (Cu)-Total (mg/L)	0.00067	0.00065	0.00055	0.00055	**0.00342**	0.00137	**0.0176**	0.00189	0.00079	
Iron (Fe)-Total (mg/L)	0.071	0.071	<0.030	0.033	**1.93**	**0.51**	**16.6**	**0.889**	0.075	
Lead (Pb)-Total (mg/L)	0.000072	0.000065	<0.000050	<0.000050	0.00108	0.000272	0.00990	0.000584	0.000071	
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.014	<0.0050	<0.0050	
Magnesium (Mg)-Total (mg/L)	5.97	6.17	5.82	5.77	7.05	7.23	19.1	8.00	7.04	
Manganese (Mn)-Total (mg/L)	0.00372	0.00399	0.00194	0.00204	0.0418	0.0103	0.240	0.0193	0.00318	
Mercury (Hg)-Total (mg/L)			<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Molybdenum (Mo)-Total (mg/L)	0.000748	0.000722	0.000738	0.000739	0.00107	0.000953	0.00354	0.00122	0.000856	
Nickel (Ni)-Total (mg/L)	0.00067	0.00068	<0.00050	0.00050	0.00400	0.00157	0.0260	0.00217	<0.00050	
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1.19	<0.30	<0.30	
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.3	<2.0	<2.0	
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	
Silicon (Si)-Total (mg/L)	1.71	1.74	2.04	2.06	4.71	2.64	20.6	3.01	1.89	
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	0.000029	<0.000010	**0.000202**	0.000016	<0.000010	
Sodium (Na)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Strontium (Sr)-Total (mg/L)	0.0980	0.0956	0.0962	0.0957	0.112	0.109	0.215	0.134	0.106	
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	**0.00043**	<0.00010	<0.00010	
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	
Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	0.038	0.011	0.182	0.015	<0.010	
Uranium (U)-Total (mg/L)	0.000445	0.000437	0.000448	0.000457	0.000596	0.000488	0.00167	0.000580	0.000465	
Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	**0.0072**	0.0018	**0.0512**	0.0038	<0.0010	
Zinc (Zn)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	0.0112	0.0049	**0.101**	0.0066	0.0014	

Sample Site: Peace 4 **Sampling Matrix: Water**

Date Sampled	03-NOV-06	03-NOV-06	02-MAR-07	02-MAR-07	16-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	14-AUG-07	
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	<0.0040	<0.0040	0.0023	0.0024	0.0318	0.0237	0.0454	0.0112	0.0042	
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00068	<0.00010	<0.00010	
Arsenic (As)-Dissolved (mg/L)	0.00018	0.00019	0.00016	0.00015	0.00024	0.00017	0.00026	0.00020	0.00019	
Barium (Ba)-Dissolved (mg/L)	0.0307	0.0309	0.0302	0.0300	0.0380	0.0356	0.0527	0.0386	0.0354	
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	
Calcium (Ca)-Dissolved (mg/L)	26.0	26.2	27.4	27.1	30.9	30.4	37.7	32.9	30.4	
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	
Copper (Cu)-Dissolved (mg/L)	<0.00090	<0.0010	0.00044	0.00044	0.00073	0.00071	0.00082	0.00056	0.00053	
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	<0.030	<0.030	0.041	0.044	0.030	<0.030	
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	
Magnesium (Mg)-Dissolved (mg/L)	5.83	5.86	5.78	5.73	6.96	6.92	8.85	7.74	6.83	
Manganese (Mn)-Dissolved (mg/L)	<0.00030	<0.00030	0.000461	0.000449	0.00736	0.00233	0.00256	0.000547	0.000596	
Mercury (Hg)-Dissolved (mg/L)			<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Molybdenum (Mo)-Dissolved (mg/L)	0.000779	0.000797	0.000761	0.000740	0.000903	0.000847	0.00226	0.00111	0.000957	
Nickel (Ni)-Dissolved (mg/L)	0.00056	0.00057	<0.00050	<0.00050	0.00087	0.00076	0.0012	0.00075	<0.00050	
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	
Silicon (Si)-Dissolved (mg/L)	1.62	1.60	1.98	2.00	1.85	1.9	1.78	1.82	1.75	
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000020	<0.000010	<0.000010	
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Strontium (Sr)-Dissolved (mg/L)	0.0980	0.0981	0.0955	0.0956	0.104	0.0989	0.131	0.124	0.107	
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Uranium (U)-Dissolved (mg/L)	0.000448	0.000453	0.000447	0.000442	0.000515	0.000445	0.000603	0.000483	0.000459	
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	
Organic Parameters										
Chlorophyll a (µg/L)	1.19	1.05	0.646	0.569	0.665	0.915	0.584	0.961	0.662	
Dissolved Organic Carbon (mg/L)	2.27	2.40	2.13	2.11	2.39	3.56	3.44	2.57	2.35	
Total Inorganic Carbon (mg/L)	16.1	15.8	16.0	16.9	17.9	15.3	33.9	19.5	17.5	
Total Organic Carbon (mg/L)	2.44	2.47	2.28	2.31	3.06	3.78	4.79	2.83	2.56	

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Peace 5 **Sampling Matrix: Water**

Date Sampled	04-NOV-06	02-MAR-07	19-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	05-JUL-07	15-AUG-07		
Sample Period	Fall	Winter	Spring 2	Spring 2	Spring 3	Spring 3	Spring 3	Late Summer		
Date Sampled	04-NOV-06	02-MAR-07	19-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	05-JUL-07	15-AUG-07		
Time Sampled	12:45	10:30	10:15	11:45	18:30	17:00	17:00	16:00		
ALS Sample ID	6	L483753-1	L497294-1	L506847-1	L515827-1	L527080-11	L527080-9	L543666-1		
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Hardness (as CaCO3) (mg/L)	89.5	92.8	117	99.7	104	107	108	105		
Colour, True (CU)	7.0	<5.0	51.5	37.2	28.7	32.6	20.5	10.3		
Conductivity (µS/cm)	185	191	239	176	182	190	195	202		
pH (mg/L)	8.05	8.15	8.03	7.86	8.20	8.13	7.97	8.20		
Total Dissolved Solids (mg/L)	103	111	280	136	191	115	118	121		
Total Suspended Solids (mg/L)	4.5	7.0	1570	288	905	271	154	69.3		
Turbidity (NTU)	3.96	2.95	2030	91	678	146	85.1	46.2		
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	<0.004		0.015	0.014	0.014	0.011	0.0057		
Ammonia as N (mg/L)	<0.020	0.040	0.172	<0.020	0.041	<0.020	0.021	<0.020		
Acidity (to pH 8.3) CaCO3 (mg/L)	2.2	3.1	2.3	2.3	1.7	3.2	5.2	1.3		
Alkalinity-Total CaCO3 (mg/L)	88.2	89.9	71.7	83.6	97.1	68.7	76.2	90.0		
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		
Chloride (Cl) (mg/L)	<0.50	<0.50	1.75	<0.50	<0.50	<0.50	<0.50	<0.50		
Fluoride (F) (mg/L)	0.041	0.041	0.097	0.055	0.039	0.030	0.032	0.047		
Sulfate (SO4) (mg/L)	13.2	14.5	35.4	15.8	9.04	14.9	13.9	14.2		
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020		
Nitrate and Nitrite as N (mg/L)	0.0344	0.0555	0.428		0.0574	0.0377	0.0333	0.0503		
Nitrate (as N) (mg/L)	0.0343			0.0391	0.0574	0.0377	0.0333	0.0503		
Nitrite (as N) (mg/L)	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		
Total Kjeldahl Nitrogen (mg/L)	0.126	0.159	2.42	0.379	1.21	0.107	0.353	0.247		
Total Nitrogen (mg/L)	0.130	0.215	2.85	0.418	1.26	0.145	0.386	0.30		
Ortho Phosphate as P (mg/L)		0.0035	0.0209	0.0033	0.0090	0.0038	0.0024	<0.0010		
Total Dissolved Phosphate P (mg/L)	0.0041	0.0046	0.053	0.0089	0.0055	0.0083	0.0057	0.0023		
Total Phosphate as P (mg/L)	0.0107	0.0106	1.20	0.147	0.76	0.229	0.125	0.0487		

Sample Site: Peace 5 **Sampling Matrix: Water**

Date Sampled	04-NOV-06	02-MAR-07	19-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	05-JUL-07	15-AUG-07		
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0431	0.0410	**19.5**	**2.59**	**8.10**	**2.86**	**2.44**	**1.57**		
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	0.00070	0.00017	0.00052	0.00022	0.00019	0.00013		
Arsenic (As)-Total (mg/L)	0.00023	0.00020	**0.0155**	0.00178	0.00473	0.00245	0.00168	0.00079		
Barium (Ba)-Total (mg/L)	0.0345	0.0349	0.627	0.112	0.372	0.165	0.120	0.0824		
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	0.0014	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		
Boron (B)-Total (mg/L)	<0.010	<0.010	0.043	0.012	<0.020	0.011	<0.010	<0.010		
Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050	**0.00111**	**0.000161**	**0.00099**	**0.000184**	**0.000184**	**0.000083**		
Calcium (Ca)-Total (mg/L)	27.5	26.9	43.2	30.6	58.3	32.2	33.4	32.2		
Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	0.0350	0.00422	0.0147	0.00548	0.00436	0.00271		
Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	0.0178	0.00173	0.00699	0.00225	0.00165	0.00078		
Copper (Cu)-Total (mg/L)	0.00070	0.00110	**0.0476**	**0.00613**	**0.0171**	**0.00636**	**0.00459**	0.00270		
Iron (Fe)-Total (mg/L)	0.119	0.111	**39.2**	**4.08**	**17.6**	**5.31**	**3.74**	**1.76**		
Lead (Pb)-Total (mg/L)	0.000085	0.000181	0.0213	0.00218	0.00995	0.00287	0.00206	0.00104		
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	0.031	0.0054	0.015	0.0058	<0.0050	<0.0050		
Magnesium (Mg)-Total (mg/L)	6.21	5.71	15.7	7.53	14.4	8.12	7.73	7.78		
Manganese (Mn)-Total (mg/L)	0.00545	0.00560	0.497	0.0571	0.304	0.0781	0.0595	0.0296		
Mercury (Hg)-Total (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050		
Molybdenum (Mo)-Total (mg/L)	0.000694	0.000714	0.00204	0.000847	0.00153	0.00125	0.00122	0.000955		
Nickel (Ni)-Total (mg/L)	0.00070	0.00082	0.0559	0.00663	0.0241	0.00807	0.00577	0.00326		
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	1.18	<0.30	0.82	<0.30	<0.30	<0.30		
Potassium (K)-Total (mg/L)	<2.0	<2.0	6.1	<2.0	3.8	<2.0	<2.0	<2.0		
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010		
Silicon (Si)-Total (mg/L)	1.73	2.01	25.6	6.85	17.5	8.00	5.89	4.64		
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	**0.000374**	4.8e-005	**0.000195**	0.000046	0.000043	<0.000040		
Sodium (Na)-Total (mg/L)	<2.0	<2.0	6.4	<2.0	<2.0	<2.0	<2.0	<2.0		
Strontium (Sr)-Total (mg/L)	0.0993	0.0958	0.180	0.101	0.104	0.126	0.117	0.112		
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	**0.00045**	<0.00010	0.00029	<0.00010	<0.00010	<0.00010		
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	0.00025	0.00017	<0.00020	<0.00010	0.00011	<0.00010		
Titanium (Ti)-Total (mg/L)	<0.010	<0.010	0.114	0.064	0.167	0.085	0.045	0.032		
Uranium (U)-Total (mg/L)	0.000464	0.000486	0.00258	0.00056	0.00112	0.000733	0.000629	0.000527		
Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	**0.0686**	**0.0101**	**0.0377**	**0.0130**	**0.0107**	**0.0063**		
Zinc (Zn)-Total (mg/L)	0.0010	0.0029	**0.181**	**0.0195**	**0.0878**	**0.0256**	**0.0196**	0.0105		

Sample Site: Peace 5 **Sampling Matrix: Water**

Date Sampled	04-NOV-06	02-MAR-07	19-APR-07	16-MAY-07	08-JUN-07	05-JUL-07	05-JUL-07	15-AUG-07		
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	<0.0040	0.0028	**0.447**	0.0532	**0.119**	0.0614	0.0377	0.0184		
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	0.00025	<0.00010	0.00070	<0.00010	<0.00010	<0.00010		
Arsenic (As)-Dissolved (mg/L)	0.00019	0.00017	0.00079	0.00027	0.00035	0.00029	0.00024	0.00020		
Barium (Ba)-Dissolved (mg/L)	0.0318	0.0317	0.0386	0.0415	0.0636	0.0460	0.0436	0.0445		
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.020	<0.010	<0.020	<0.010	<0.010	<0.010		
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050		
Calcium (Ca)-Dissolved (mg/L)	26.1	27.6	32.5	28.8	30.5	30.7	31.9	30.3		
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	0.00054	0.00015	<0.00020	<0.00010	<0.00010	<0.00010		
Copper (Cu)-Dissolved (mg/L)	<0.0010	0.00061	0.00257	0.00112	0.00114	0.00113	0.00091	0.00088		
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	**0.588**	0.149	0.139	0.120	0.051	<0.030		
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	0.00055	6.9e-005	<0.00010	0.000069	<0.000050	<0.000050		
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.010	<0.0050	<0.010	<0.0050	<0.0050	<0.0050		
Magnesium (Mg)-Dissolved (mg/L)	5.88	5.82	8.84	6.74	6.62	7.37	6.85	7.18		
Manganese (Mn)-Dissolved (mg/L)	<0.00030	0.00220	0.0485	0.00846	0.00495	0.00247	0.00188	0.000917		
Mercury (Hg)-Dissolved (mg/L)		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050		
Molybdenum (Mo)-Dissolved (mg/L)	0.000767	0.000764	0.00082	0.000651	0.00105	0.000927	0.000921	0.000809		
Nickel (Ni)-Dissolved (mg/L)	0.00055	0.00069	0.0030	0.00139	0.0013	0.00123	0.00101	0.00071		
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30		
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	2.9	<2.0	<2.0	<2.0	<2.0	<2.0		
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010		
Silicon (Si)-Dissolved (mg/L)	1.58	2.01	2.55	1.89	1.50	1.87	1.79	1.81		
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000020	<0.000010	<0.000020	<0.000010	<0.000010	<0.000010		
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	6.5	<2.0	<2.0	<2.0	<2.0	<2.0		
Strontium (Sr)-Dissolved (mg/L)	0.0979	0.0970	0.101	0.0866	0.0853	0.107	0.109	0.101		
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010		
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010		
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	0.029	<0.010	<0.010	<0.010	<0.010	<0.010		
Uranium (U)-Dissolved (mg/L)	0.000460	0.000462	0.000676	0.000367	0.000363	0.000433	0.000419	0.000428		
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	0.0020	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010		
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0010	0.0027	<0.0010	0.0025	<0.0010	<0.0010	<0.0010		
Organic Parameters										
Chlorophyll a (µg/L)	1.36	0.620	0.882	0.644	0.164	0.326	0.716	0.908		
Dissolved Organic Carbon (mg/L)	2.51	2.21	8.00	7.18	4.39	4.77	4.23	3.49		
Total Inorganic Carbon (mg/L)	16.4	17.0	28.8	14.1	28.6	12.6	17.9	13.9		
Total Organic Carbon (mg/L)	2.55	2.69	13.4	7.77	5.75	5.82	4.78	4.47		

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Moberly 6 **Sampling Matrix: Water**

Date Sampled	03-MAR-07	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07					
Sample Period	Winter	Spring 2	Spring 3	Spring 3	Late Summer					
Date Sampled	03-MAR-07	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07					
Time Sampled	11:00	19:00	12:00	11:15	12:00					
ALS Sample ID	L483753-4	L506847-5	L515422-5	L527080-14	L541389-1					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	127	105	92.5	95.3	99.4					
Colour, True (CU)	8.2	21.5	29.7	25.9	15.7					
Conductivity (µS/cm)	256	186	171	171	182					
pH (mg/L)	8.06	8.12	8.07	8.25	8.24					
Total Dissolved Solids (mg/L)	149	124	112	107	116					
Total Suspended Solids (mg/L)	5.2	57.6	250	32.0	<3.0					
Turbidity (NTU)	2.37	39.9	153	25.2	5.02					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	0.012	0.012	0.0096	0.0089					
Ammonia as N (mg/L)	<0.020	0.021	<0.020	0.023	0.021					
Acidity (to pH 8.3) CaCO3 (mg/L)	3.7	1.5	3.2	1.0	<1.0					
Alkalinity-Total CaCO3 (mg/L)	136	93.3	83.2	71.9	87.7					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50					
Fluoride (F) (mg/L)	0.078	0.065	0.067	0.031	0.061					
Sulfate (SO4) (mg/L)	9.56	6.6	6.07	5.61	6.50					
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020					
Nitrate and Nitrite as N (mg/L)	0.0377		0.0162	<0.0050	<0.0050					
Nitrate (as N) (mg/L)		0.0221	0.0152	<0.0050	<0.0050					
Nitrite (as N) (mg/L)		<0.0010	0.0010	<0.0010	<0.0010					
Total Kjeldahl Nitrogen (mg/L)	0.194	0.337	0.81	0.250	0.224					
Total Nitrogen (mg/L)	0.232	0.359	0.83	0.25	0.20					
Ortho Phosphate as P (mg/L)	<0.0010	0.0017	0.0037	0.0011	<0.0010					
Total Dissolved Phosphate P (mg/L)	0.0027	0.0058	0.0098	0.0048	0.0042					
Total Phosphate as P (mg/L)	0.0081	0.07	0.303	0.0440	0.0116					

Sample Site: Moberly 6 **Sampling Matrix: Water**

Date Sampled	03-MAR-07	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07					
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0462	**0.763**	**2.58**	**0.493**	0.0389					
Antimony (Sb)-Total (mg/L)	<0.00010	0.00012	0.00031	0.00011	<0.00010					
Arsenic (As)-Total (mg/L)	0.00014	0.00056	0.00173	0.00042	0.00027					
Barium (Ba)-Total (mg/L)	0.154	0.16	0.237	0.140	0.119					
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Total (mg/L)	<0.010	<0.010	0.011	<0.010	<0.010					
Cadmium (Cd)-Total (mg/L)	**0.000081**	**6.5e-005**	**0.000239**	**0.000061**	<0.000050					
Calcium (Ca)-Total (mg/L)	35.7	29.7	28.2	24.4	26.4					
Chromium (Cr)-Total (mg/L)	<0.00050	0.00131	0.00551	0.00106	<0.00050					
Cobalt (Co)-Total (mg/L)	<0.00010	0.00055	0.00200	0.00030	<0.00010					
Copper (Cu)-Total (mg/L)	0.00068	0.00217	**0.00618**	0.00170	0.00098					
Iron (Fe)-Total (mg/L)	0.099	**1.25**	**4.72**	**0.751**	0.152					
Lead (Pb)-Total (mg/L)	0.000246	0.000722	0.00939	0.000472	0.000102					
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	0.0056	<0.0050	<0.0050					
Magnesium (Mg)-Total (mg/L)	9.55	8.3	8.59	7.29	7.64					
Manganese (Mn)-Total (mg/L)	0.00317	0.0369	0.0978	0.0215	0.00596					
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.000380	<0.00040	0.000534	0.000329	0.000348					
Nickel (Ni)-Total (mg/L)	0.00087	0.0029	0.00782	0.00233	0.00109					
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0					
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Silicon (Si)-Total (mg/L)	1.78	2.64	8.13	2.17	1.14					
Silver (Ag)-Total (mg/L)	<0.000010	1.8e-005	0.000060	0.000013	<0.000010					
Sodium (Na)-Total (mg/L)	3.0	<2.0	<2.0	<2.0	<2.0					
Strontium (Sr)-Total (mg/L)	0.0766	0.0676	0.0702	0.0614	0.0568					
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Total (mg/L)	<0.010	0.012	0.091	0.012	<0.010					
Uranium (U)-Total (mg/L)	0.000195	0.000201	0.000339	0.000155	0.000139					
Vanadium (V)-Total (mg/L)	<0.0010	0.0029	**0.0109**	0.0021	<0.0010					
Zinc (Zn)-Total (mg/L)	0.0021	0.0067	**0.0269**	0.0049	0.0013					

Sample Site: Moberly 6 **Sampling Matrix: Water**

Date Sampled	03-MAR-07	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0028	0.0244	0.0597	0.0341	0.0062					
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	0.00011	<0.00010	<0.00010					
Arsenic (As)-Dissolved (mg/L)	0.00012	0.00019	0.00030	0.00023	0.00027					
Barium (Ba)-Dissolved (mg/L)	0.152	0.119	0.109	0.116	0.118					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Cadmium (Cd)-Dissolved (mg/L)	**0.000071**	<0.000050	<0.000050	<0.000050	<0.000050					
Calcium (Ca)-Dissolved (mg/L)	35.1	28.9	24.9	25.6	26.9					
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00070					
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Copper (Cu)-Dissolved (mg/L)	0.00061	0.00085	0.00129	0.00087	0.00069					
Iron (Fe)-Dissolved (mg/L)	<0.030	0.056	0.106	0.090	0.055					
Lead (Pb)-Dissolved (mg/L)	0.000138	<0.000050	0.000123	0.000056	<0.000050					
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
Magnesium (Mg)-Dissolved (mg/L)	9.46	8.08	7.38	7.62	7.81					
Manganese (Mn)-Dissolved (mg/L)	0.00198	0.0033	0.00555	0.00178	0.00191					
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.000399	0.000338	0.000367	0.000283	0.000349					
Nickel (Ni)-Dissolved (mg/L)	0.00072	0.00112	0.00149	0.00125	0.00098					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0					
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Silicon (Si)-Dissolved (mg/L)	1.69	1.42	1.55	1.37	1.06					
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010					
Sodium (Na)-Dissolved (mg/L)	2.7	<2.0	<2.0	<2.0	<2.0					
Strontium (Sr)-Dissolved (mg/L)	0.0767	0.0598	0.0558	0.0579	0.0583					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.000197	0.000142	0.000159	0.000120	0.000131					
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Zinc (Zn)-Dissolved (mg/L)	0.0020	<0.0010	0.0025	<0.0010	<0.0010					
Organic Parameters										
Chlorophyll a (µg/L)	0.364	1.63	1.09	1.72	0.471					
Dissolved Organic Carbon (mg/L)	4.90	6.75	7.32	6.27	5.35					
Total Inorganic Carbon (mg/L)	15.3	18.6	15.2	12.0	16.9					
Total Organic Carbon (mg/L)	5.47	7.72	8.64	6.70	5.74					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Moberly 7 **Sampling Matrix: Water**

Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Sample Period	Spring 2	Spring 3	Spring 3	Late Summer						
Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Time Sampled	17:45	14:45	15:30	14:00						
ALS Sample ID	L506847-6	L515422-6	L527080-15	L541389-2						
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0						
Hardness (as CaCO3) (mg/L)	110	96.5	104	123						
Colour, True (CU)	20.8	33.7	23.8	12.2						
Conductivity (µS/cm)	198	182	186	222						
pH (mg/L)	8.13	8.10	8.21	8.28						
Total Dissolved Solids (mg/L)	142	129	114	139						
Total Suspended Solids (mg/L)	148	651	96.0	7.5						
Turbidity (NTU)	95.9	508	54.5	6.94						
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	0.013	0.013	0.013	0.0075						
Ammonia as N (mg/L)	<0.020	0.020	<0.020	<0.020						
Acidity (to pH 8.3) CaCO3 (mg/L)	1.3	2.9	1.5	<1.0						
Alkalinity-Total CaCO3 (mg/L)	102	88.2	75.9	108						
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050						
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50						
Fluoride (F) (mg/L)	0.07	0.068	0.041	0.069						
Sulfate (SO4) (mg/L)	8.03	7.71	6.50	9.51						
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020						
Nitrate and Nitrite as N (mg/L)		0.0125	<0.0050	<0.0050						
Nitrate (as N) (mg/L)	0.0206	0.0125	<0.0050	<0.0050						
Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010						
Total Kjeldahl Nitrogen (mg/L)	0.477	1.68	0.278	0.269						
Total Nitrogen (mg/L)	0.497	1.69	0.278	0.25						
Ortho Phosphate as P (mg/L)	0.0028	0.0076	0.0015	<0.0010						
Total Dissolved Phosphate P (mg/L)	0.0062	0.0143	0.0050	0.0028						
Total Phosphate as P (mg/L)	0.165	0.80	0.0756	0.0143						

Sample Site: Moberly 7 **Sampling Matrix: Water**

Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Total Metals										
Aluminum (Al)-Total (mg/L)	**2.31**	**6.59**	**1.30**	0.0537						
Antimony (Sb)-Total (mg/L)	0.00021	0.00041	0.00014	<0.00010						
Arsenic (As)-Total (mg/L)	0.00133	0.00406	0.00079	0.00030						
Barium (Ba)-Total (mg/L)	0.197	0.404	0.162	0.135						
Beryllium (Be)-Total (mg/L)	<0.00050	0.00050	<0.00050	<0.00050						
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050						
Boron (B)-Total (mg/L)	0.012	0.019	<0.010	<0.010						
Cadmium (Cd)-Total (mg/L)	**0.000137**	**0.000555**	**0.000063**	<0.000050						
Calcium (Ca)-Total (mg/L)	33.3	38.4	28.1	34.0						
Chromium (Cr)-Total (mg/L)	0.00399	0.0122	0.00248	<0.00050						
Cobalt (Co)-Total (mg/L)	0.00144	0.00550	0.00069	<0.00010						
Copper (Cu)-Total (mg/L)	**0.00449**	**0.0149**	0.00272	0.00102						
Iron (Fe)-Total (mg/L)	**3.33**	**14.5**	**1.71**	0.181						
Lead (Pb)-Total (mg/L)	0.00179	0.00856	0.000923	0.000121						
Lithium (Li)-Total (mg/L)	0.0055	0.0126	<0.0050	<0.0050						
Magnesium (Mg)-Total (mg/L)	9.46	12.4	8.14	8.95						
Manganese (Mn)-Total (mg/L)	0.0674	0.217	0.0343	0.0146						
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050						
Molybdenum (Mo)-Total (mg/L)	<0.00060	0.000859	0.000491	0.000478						
Nickel (Ni)-Total (mg/L)	0.00589	0.0185	0.00359	0.00123						
Phosphorus (P)-Total (mg/L)	<0.30	0.62	<0.30	<0.30						
Potassium (K)-Total (mg/L)	<2.0	3.9	<2.0	<2.0						
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010						
Silicon (Si)-Total (mg/L)	5.8	19.0	4.05	1.42						
Silver (Ag)-Total (mg/L)	5e-005	**0.000173**	0.000034	<0.000010						
Sodium (Na)-Total (mg/L)	<2.0	2.1	<2.0	<2.0						
Strontium (Sr)-Total (mg/L)	0.0748	0.0808	0.0712	0.0711						
Thallium (Tl)-Total (mg/L)	<0.00010	0.00021	<0.00010	<0.00010						
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010						
Titanium (Ti)-Total (mg/L)	0.048	0.222	0.033	<0.010						
Uranium (U)-Total (mg/L)	0.000336	0.000702	0.000231	0.000211						
Vanadium (V)-Total (mg/L)	**0.0092**	**0.0259**	0.0054	<0.0010						
Zinc (Zn)-Total (mg/L)	**0.0163**	**0.0571**	0.0093	0.0018						

Sample Site: Moberly 7 **Sampling Matrix: Water**

Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0381	**0.109**	0.0340	0.0078						
Antimony (Sb)-Dissolved (mg/L)	<0.00010	0.00013	<0.00010	<0.00010						
Arsenic (As)-Dissolved (mg/L)	0.00021	0.00038	0.00025	0.00028						
Barium (Ba)-Dissolved (mg/L)	0.109	0.0966	0.116	0.134						
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050						
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050						
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010						
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050						
Calcium (Ca)-Dissolved (mg/L)	30.4	26.2	28.4	34.2						
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00070						
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010						
Copper (Cu)-Dissolved (mg/L)	0.00102	0.00147	0.00089	0.00077						
Iron (Fe)-Dissolved (mg/L)	0.065	0.153	0.076	0.032						
Lead (Pb)-Dissolved (mg/L)	<0.000050	0.000168	<0.000050	<0.000050						
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050						
Magnesium (Mg)-Dissolved (mg/L)	8.34	7.54	8.13	9.16						
Manganese (Mn)-Dissolved (mg/L)	0.00353	0.00204	0.00286	0.00824						
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050						
Molybdenum (Mo)-Dissolved (mg/L)	0.000365	0.000478	0.000344	0.000489						
Nickel (Ni)-Dissolved (mg/L)	0.00128	0.00166	0.00123	0.00099						
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30						
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0						
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010						
Silicon (Si)-Dissolved (mg/L)	1.48	1.73	1.42	1.20						
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010						
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0						
Strontium (Sr)-Dissolved (mg/L)	0.0607	0.0603	0.0619	0.0731						
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010						
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010						
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010						
Uranium (U)-Dissolved (mg/L)	0.000183	0.000272	0.000153	0.000207						
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010						
Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0041	<0.0010	<0.0010						
Organic Parameters										
Chlorophyll a (µg/L)	1.67	0.334	1.52	0.454						
Dissolved Organic Carbon (mg/L)	6.56	7.06	6.02	4.72						
Total Inorganic Carbon (mg/L)	18.8	18.9	13.3	20.5						
Total Organic Carbon (mg/L)	8.13	11.0	7.65	4.80						

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Halfway 8 **Sampling Matrix: Water**

Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	09-JUL-07	16-AUG-07					
Sample Period	Winter	Spring 2	Spring 3	Spring 3						
Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	09-JUL-07	16-AUG-07					
Time Sampled	16:00	15:30	18:30	09:30	17:00					
ALS Sample ID	L483753-7	L508268-1	L515949-2	L527475-1	L543666-2					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	252	173	175	214	221					
Colour, True (CU)	<5.0	40.2	15.3	9.7	<5.0					
Conductivity (µS/cm)	463	295	290	346	392					
pH (mg/L)	8.23	8.18	8.29	8.26	8.42					
Total Dissolved Solids (mg/L)	285	193	195	216	237					
Total Suspended Solids (mg/L)	<3.0	63.0	254	32.5	18.3					
Turbidity (NTU)	0.58	59.2	284	40.3	14.2					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	0.011	0.012	<0.004	0.0066					
Ammonia as N (mg/L)	<0.020	<0.020	<0.020	0.028	<0.020					
Acidity (to pH 8.3) CaCO3 (mg/L)	1.6	1.3	<1.0	<1.0	<1.0					
Alkalinity-Total CaCO3 (mg/L)	218	131	152	163	180					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	0.89	<0.50	<0.50	<0.50	<0.50					
Fluoride (F) (mg/L)	0.103	0.085	0.055	0.093	0.095					
Sulfate (SO4) (mg/L)	50.5	30.9	24.0	33.6	40.6					
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020					
Nitrate and Nitrite as N (mg/L)	0.099		0.0529	0.0065	<0.0050					
Nitrate (as N) (mg/L)		<0.0050	0.0529	0.0065	<0.0050					
Nitrite (as N) (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010					
Total Kjeldahl Nitrogen (mg/L)	<0.050	0.457	0.67	0.138	0.145					
Total Nitrogen (mg/L)	0.099	0.457	0.57	0.144	0.21					
Ortho Phosphate as P (mg/L)	0.0016	0.0023	0.0069	0.0030	<0.0010					
Total Dissolved Phosphate P (mg/L)	0.0023	0.0076	0.0065	0.0042	0.0022					
Total Phosphate as P (mg/L)	0.0032	0.0789	0.333	0.0421	0.0186					

Note: **Bold** values exceed BCWQ Guidelines, Grey Shading exceed CCME guidelines for the protection of Aquatic Life.

Laboratory analysis provided by ALS.

Sample Site: Halfway 8 **Sampling Matrix: Water**

Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	09-JUL-07	16-AUG-07					
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0082	**1.42**	**5.60**	**0.800**	**0.311**					
Antimony (Sb)-Total (mg/L)	0.00012	0.00027	0.00060	0.00029	0.00020					
Arsenic (As)-Total (mg/L)	0.00011	0.00090	0.00243	0.00061	0.00033					
Barium (Ba)-Total (mg/L)	0.107	0.119	0.213	0.0987	0.0987					
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050					
Boron (B)-Total (mg/L)	0.010	0.014	0.021	0.013	0.022					
Cadmium (Cd)-Total (mg/L)	**0.000058**	**0.000146**	**0.00079**	**0.000099**	**0.000059**					
Calcium (Ca)-Total (mg/L)	73.1	48.5	63.1	61.2	61.2					
Chromium (Cr)-Total (mg/L)	<0.00050	0.00247	0.0126	0.00181	0.00076					
Cobalt (Co)-Total (mg/L)	<0.00010	0.00083	0.00249	0.00044	0.00021					
Copper (Cu)-Total (mg/L)	0.00019	0.00331	**0.120**	0.00176	<0.0010					
Iron (Fe)-Total (mg/L)	<0.030	**1.98**	**6.40**	**1.01**	**0.465**					
Lead (Pb)-Total (mg/L)	<0.000050	0.00102	0.00397	0.000664	0.000234					
Lithium (Li)-Total (mg/L)	0.0071	0.0070	<0.010	0.0059	0.0069					
Magnesium (Mg)-Total (mg/L)	17.3	13.4	15.5	14.7	16.7					
Manganese (Mn)-Total (mg/L)	0.00140	0.0288	0.0879	0.0192	0.0168					
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.00363	0.00258	0.00392	0.00386	0.00436					
Nickel (Ni)-Total (mg/L)	0.00051	0.00468	0.0133	0.00333	0.00174					
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	0.37	<0.30	<0.30					
Potassium (K)-Total (mg/L)	<2.0	<2.0	3.0	<2.0	<2.0					
Selenium (Se)-Total (mg/L)	0.0015	0.0011	<0.0020	0.0014	0.0012					
Silicon (Si)-Total (mg/L)	2.02	4.30	18.9	3.28	2.20					
Silver (Ag)-Total (mg/L)	<0.000010	0.000036	**0.000105**	0.000018	<0.000010					
Sodium (Na)-Total (mg/L)	2.9	2.8	<2.0	2.0	3.4					
Strontium (Sr)-Total (mg/L)	0.325	0.205	0.199	0.248	0.308					
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	0.00025	<0.00010	<0.00010					
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	0.00807	<0.00010	<0.00010					
Titanium (Ti)-Total (mg/L)	<0.010	0.039	0.452	0.017	<0.010					
Uranium (U)-Total (mg/L)	0.000839	0.000629	0.00112	0.000802	0.000866					
Vanadium (V)-Total (mg/L)	<0.0010	**0.0064**	**0.0304**	0.0054	0.0020					
Zinc (Zn)-Total (mg/L)	<0.0010	0.0112	**0.0536**	0.0084	0.0036					

Sample Site: Halfway 8 **Sampling Matrix: Water**

Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	09-JUL-07	16-AUG-07					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	<0.0010	0.0698	0.0477	0.0205	0.0039					
Antimony (Sb)-Dissolved (mg/L)	0.00014	0.00016	0.00076	0.00021	0.00016					
Arsenic (As)-Dissolved (mg/L)	<0.00010	0.00026	0.00031	0.00020	0.00019					
Barium (Ba)-Dissolved (mg/L)	0.106	0.0773	0.0660	0.0730	0.0837					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050					
Boron (B)-Dissolved (mg/L)	<0.010	0.012	<0.020	<0.010	0.011					
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050					
Calcium (Ca)-Dissolved (mg/L)	72.3	47.9	49.2	61.6	60.9					
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00060	<0.0010	<0.00050	<0.00050					
Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00012	<0.00020	<0.00010	<0.00010					
Copper (Cu)-Dissolved (mg/L)	0.00017	0.00129	0.00085	0.00057	0.00046					
Iron (Fe)-Dissolved (mg/L)	<0.030	0.119	0.038	<0.030	<0.030					
Lead (Pb)-Dissolved (mg/L)	<0.000050	0.000064	<0.00010	<0.000050	<0.000050					
Lithium (Li)-Dissolved (mg/L)	0.0076	0.0059	<0.010	0.0051	0.0068					
Magnesium (Mg)-Dissolved (mg/L)	17.4	13.0	12.6	14.5	16.7					
Manganese (Mn)-Dissolved (mg/L)	0.00101	0.00693	0.00406	0.00512	0.00203					
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.00371	0.00242	0.00364	0.00347	0.00396					
Nickel (Ni)-Dissolved (mg/L)	0.00052	0.00198	0.0014	0.00156	0.00094					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0					
Selenium (Se)-Dissolved (mg/L)	0.0014	0.0011	<0.0020	0.0015	0.0016					
Silicon (Si)-Dissolved (mg/L)	1.99	1.75	1.67	1.70	1.63					
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000020	<0.000010	<0.000010					
Sodium (Na)-Dissolved (mg/L)	3.0	2.8	<2.0	<2.0	2.2					
Strontium (Sr)-Dissolved (mg/L)	0.329	0.195	0.194	0.230	0.282					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010					
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.000833	0.000528	0.000728	0.000666	0.000759					
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010					
Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0010	0.0085	<0.0010	<0.0010					
Organic Parameters										
Chlorophyll a (µg/L)	0.105	0.872	0.314	0.217	0.215					
Dissolved Organic Carbon (mg/L)	1.17	8.93	3.90	3.00	2.07					
Total Inorganic Carbon (mg/L)	49.6	26.6	35.8	35.5	27.1					
Total Organic Carbon (mg/L)	1.26	12.2	6.93	3.77	2.52					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Halfway 9 **Sampling Matrix: Water**

Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	04-JUL-07	16-AUG-07					
Sample Period	Winter	Spring 2	Spring 3	Spring 3						
Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	04-JUL-07	16-AUG-07					
Time Sampled	11:30	17:50	17:00	13:30	15:00					
ALS Sample ID	L483753-6	L508268-2	L515949-1	L527080-10	L543666-3					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	260	175	166	185	219					
Colour, True (CU)	<5.0	38.5	14.7	17.6	<5.0					
Conductivity (µS/cm)	482	298	299	335	393					
pH (mg/L)	8.19	8.21	8.32	8.21	8.47					
Total Dissolved Solids (mg/L)	299	202	205	210	245					
Total Suspended Solids (mg/L)	<3.0	66.0	686	161	28.8					
Turbidity (NTU)	2.05	66.1	457	112	25.6					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	0.010	0.009	0.0076	0.0055					
Ammonia as N (mg/L)	<0.020	<0.020	<0.020	0.024	<0.020					
Acidity (to pH 8.3) CaCO3 (mg/L)	2.8	1.0	<1.0	1.9	<1.0					
Alkalinity-Total CaCO3 (mg/L)	232	130	160	138	182					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	0.93	<0.50	<0.50	<0.50	<0.50					
Fluoride (F) (mg/L)	0.100	0.086	0.059	0.068	0.096					
Sulfate (SO4) (mg/L)	56.4	31.5	24.9	29.5	41.0					
Sulphide as S (mg/L)	<0.020	<0.020	0.022	<0.020	<0.020					
Nitrate and Nitrite as N (mg/L)	0.083		0.0554	0.0208	<0.0050					
Nitrate (as N) (mg/L)		<0.0050	0.0554	0.0208	<0.0050					
Nitrite (as N) (mg/L)		<0.0010	<0.0010	<0.0010	<0.0010					
Total Kjeldahl Nitrogen (mg/L)	<0.050	0.294	0.98	0.333	0.156					
Total Nitrogen (mg/L)	0.083	0.294	0.34	0.354	0.18					
Ortho Phosphate as P (mg/L)	0.0017	0.0030	0.0083	0.0036	0.0011					
Total Dissolved Phosphate P (mg/L)	0.0028	0.0089	0.0081	0.0052	0.0023					
Total Phosphate as P (mg/L)	0.0057	0.0912	0.77	0.147	0.0338					

Sample Site: Halfway 9 **Sampling Matrix: Water**

Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	04-JUL-07	16-AUG-07					
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0316	**1.57**	**5.62**	**2.53**	**0.731**					
Antimony (Sb)-Total (mg/L)	0.00013	0.00025	0.00061	0.00035	0.00021					
Arsenic (As)-Total (mg/L)	0.00013	0.00104	0.00325	0.00156	0.00046					
Barium (Ba)-Total (mg/L)	0.101	0.124	0.314	0.150	0.104					
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Total (mg/L)	0.012	0.014	0.023	0.015	0.017					
Cadmium (Cd)-Total (mg/L)	<0.000050	**0.000140**	**0.00106**	**0.000238**	**0.000070**					
Calcium (Ca)-Total (mg/L)	74.4	48.6	80.9	60.4	61.5					
Chromium (Cr)-Total (mg/L)	<0.00050	0.00278	0.0118	0.00510	0.00148					
Cobalt (Co)-Total (mg/L)	<0.00010	0.00099	0.00411	0.00139	0.00037					
Copper (Cu)-Total (mg/L)	0.00036	**0.00374**	**0.0107**	**0.00455**	0.00164					
Iron (Fe)-Total (mg/L)	0.049	**2.26**	**10.4**	**3.53**	**0.813**					
Lead (Pb)-Total (mg/L)	<0.000050	0.00120	0.00634	0.00193	0.000437					
Lithium (Li)-Total (mg/L)	0.0088	0.0074	0.0114	0.0074	0.0082					
Magnesium (Mg)-Total (mg/L)	18.1	13.4	19.9	16.4	16.8					
Manganese (Mn)-Total (mg/L)	0.00457	0.0329	0.158	0.0525	0.0179					
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.00330	0.00273	0.00311	0.00381	0.00430					
Nickel (Ni)-Total (mg/L)	0.00075	0.00491	0.0165	0.00698	0.00250					
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	0.83	<0.30	<0.30					
Potassium (K)-Total (mg/L)	<2.0	<2.0	3.3	<2.0	<2.0					
Selenium (Se)-Total (mg/L)	0.0015	0.0011	0.0013	0.0016	0.0012					
Silicon (Si)-Total (mg/L)	1.99	4.19	16.2	8.20	3.06					
Silver (Ag)-Total (mg/L)	<0.000010	0.000033	**0.000135**	0.000038	<0.000020					
Sodium (Na)-Total (mg/L)	4.7	2.8	<2.0	<2.0	2.9					
Strontium (Sr)-Total (mg/L)	0.337	0.212	0.195	0.262	0.293					
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	0.00026	0.00010	<0.00010					
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	0.00010	<0.00010	<0.00010					
Titanium (Ti)-Total (mg/L)	<0.010	0.034	0.153	0.088	0.019					
Uranium (U)-Total (mg/L)	0.000894	0.000658	0.00138	0.000933	0.000847					
Vanadium (V)-Total (mg/L)	<0.0010	**0.0070**	**0.0341**	**0.0138**	0.0038					
Zinc (Zn)-Total (mg/L)	0.0011	**0.0134**	**0.0608**	**0.0211**	0.0093					

Sample Site: Halfway 9 **Sampling Matrix: Water**

Date Sampled	05-MAR-07	22-MAY-07	10-JUN-07	04-JUL-07	16-AUG-07					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0018	0.0781	0.0558	0.0369	0.0070					
Antimony (Sb)-Dissolved (mg/L)	0.00013	0.00015	0.00122	0.00020	0.00016					
Arsenic (As)-Dissolved (mg/L)	0.00011	0.00027	0.00029	0.00025	0.00021					
Barium (Ba)-Dissolved (mg/L)	0.0981	0.0773	0.0644	0.0693	0.0841					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Dissolved (mg/L)	0.011	0.012	<0.010	<0.010	0.012					
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Calcium (Ca)-Dissolved (mg/L)	74.5	48.5	46.6	51.2	60.4					
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00070	<0.00050	<0.00050	<0.00050					
Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00016	0.00012	0.00010	<0.00010					
Copper (Cu)-Dissolved (mg/L)	0.00116	0.00138	0.00106	0.00191	0.00050					
Iron (Fe)-Dissolved (mg/L)	0.038	0.132	0.039	0.034	<0.030					
Lead (Pb)-Dissolved (mg/L)	<0.000050	0.000072	0.000147	0.000082	<0.000050					
Lithium (Li)-Dissolved (mg/L)	0.0086	0.0057	<0.0050	<0.0050	0.0069					
Magnesium (Mg)-Dissolved (mg/L)	18.0	13.1	12.1	13.8	16.6					
Manganese (Mn)-Dissolved (mg/L)	0.00421	0.00632	0.00581	0.00368	0.00141					
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.00328	0.00246	0.00357	0.00333	0.00393					
Nickel (Ni)-Dissolved (mg/L)	0.00242	0.00211	0.00170	0.00200	0.00087					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0					
Selenium (Se)-Dissolved (mg/L)	0.0016	0.0012	0.0016	0.0014	0.0015					
Silicon (Si)-Dissolved (mg/L)	1.97	1.78	1.63	1.65	1.59					
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010					
Sodium (Na)-Dissolved (mg/L)	4.7	2.9	<2.0	<2.0	2.5					
Strontium (Sr)-Dissolved (mg/L)	0.318	0.199	0.188	0.230	0.281					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.000862	0.000546	0.000692	0.000651	0.000787					
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Zinc (Zn)-Dissolved (mg/L)	0.0020	0.0016	0.0021	0.0018	<0.0010					
Organic Parameters										
Chlorophyll a (µg/L)	0.129	0.737	0.0796	0.166	0.179					
Dissolved Organic Carbon (mg/L)	1.30	3.88	3.59	4.13	1.99					
Total Inorganic Carbon (mg/L)	40.8	27.8	42.0	28.6	29.3					
Total Organic Carbon (mg/L)	1.53	9.63	4.90	5.17	2.59					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Lynx 10 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Sample Period	Winter	Spring 1	Spring 2	Spring 3	Spring 3					
Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Time Sampled	12:00	10:35	13:00	11:15	12:15	10:00				
ALS Sample ID	L483753-9	L496604-6	L507216-2	L515422-1	L527475-2	L543666-4				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	471	207	218	246	406	390				
Colour, True (CU)	<5.0	35.3	41.5	26.7	10.7	6.2				
Conductivity (µS/cm)	824	388	392	441	663	721				
pH (mg/L)	8.29	8.16	8.25	8.40	8.36	8.28				
Total Dissolved Solids (mg/L)	389	297	251	281	411	457				
Total Suspended Solids (mg/L)	40.2	1960	240	330	8.5	37.8				
Turbidity (NTU)	21.0	1070	236	283	9.17	40.2				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	0.005	0.012	0.011	0.058	0.0068				
Ammonia as N (mg/L)	0.039	0.126	<0.020	<0.020	0.025	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	<1.0	1.5	1.7	<1.0	<1.0	<1.0				
Alkalinity-Total CaCO3 (mg/L)	466	163	195	222	314	338				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	0.94	1.44	<0.50	<0.50	0.69	0.77				
Fluoride (F) (mg/L)	**0.267**	0.173	0.150	0.162	**0.273**	**0.264**				
Sulfate (SO4) (mg/L)	83.0	46.8	27.8	33.4	70.1	92.9				
Sulphide as S (mg/L)	<0.020	<0.020	0.040	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.14	0.0997	0.0373	0.0193	0.0105	0.0546				
Nitrate (as N) (mg/L)			0.0373	0.0193	0.0105	0.0546				
Nitrite (as N) (mg/L)			<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.138	2.28	0.93	0.81	0.193	0.209				
Total Nitrogen (mg/L)	0.278	2.38	0.92	0.83	0.203	0.33				
Ortho Phosphate as P (mg/L)	0.0089	0.0495	0.0093	0.0113	0.0059	0.0036				
Total Dissolved Phosphate P (mg/L)	0.0083	0.0696	0.0426	0.0160	0.0079	0.0054				
Total Phosphate as P (mg/L)	0.0346	1.37	0.290	0.351	0.0145	0.0344				

Sample Site: Lynx 10 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Total Metals										
Aluminum (Al)-Total (mg/L)	**0.166**	**13.0**	**5.44**	**3.53**	0.0493	**0.591**				
Antimony (Sb)-Total (mg/L)	0.00011	0.00101	0.00053	0.00052	0.00019	<0.00020				
Arsenic (As)-Total (mg/L)	0.00108	**0.0145**	0.00324	0.00352	0.00119	0.00138				
Barium (Ba)-Total (mg/L)	0.117	0.782	0.237	0.228	0.121	0.113				
Beryllium (Be)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.0010				
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.0010				
Boron (B)-Total (mg/L)	0.038	0.039	0.026	0.030	0.041	0.045				
Cadmium (Cd)-Total (mg/L)	**0.000065**	**0.00217**	**0.00061**	**0.000719**	<0.000050	<0.00010				
Calcium (Ca)-Total (mg/L)	93.4	154	67.4	77.0	82.7	73.0				
Chromium (Cr)-Total (mg/L)	<0.00050	0.0255	0.0095	0.00708	<0.00050	0.0013				
Cobalt (Co)-Total (mg/L)	0.00035	0.0137	0.00298	0.00267	0.00020	0.00047				
Copper (Cu)-Total (mg/L)	0.00144	**0.0422**	**0.0107**	**0.00935**	0.00129	0.00214				
Iron (Fe)-Total (mg/L)	**0.332**	**27.0**	**6.53**	**6.68**	0.117	**0.801**				
Lead (Pb)-Total (mg/L)	0.000335	0.0156	0.00363	0.00351	<0.000050	0.00038				
Lithium (Li)-Total (mg/L)	0.0264	0.029	0.015	0.0167	0.0249	0.028				
Magnesium (Mg)-Total (mg/L)	58.0	45.2	24.1	30.9	50.9	54.6				
Manganese (Mn)-Total (mg/L)	0.0376	**0.602**	0.140	0.147	0.0142	0.0271				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.00489	0.00478	0.00242	0.00323	0.00479	0.00531				
Nickel (Ni)-Total (mg/L)	0.00201	0.0449	0.0130	0.0114	0.00282	0.0037				
Phosphorus (P)-Total (mg/L)	<0.30	1.64	<0.30	0.31	<0.30	<0.30				
Potassium (K)-Total (mg/L)	2.5	9.5	3.3	3.9	2.9	3.1				
Selenium (Se)-Total (mg/L)	<0.0010	**0.0028**	<0.0020	<0.0010	<0.0010	<0.0020				
Silicon (Si)-Total (mg/L)	6.61	23.7	14.2	13.6	5.70	7.09				
Silver (Ag)-Total (mg/L)	<0.000010	**0.000397**	0.000080	0.000078	<0.000010	<0.000030				
Sodium (Na)-Total (mg/L)	18.1	7.4	5.2	7.1	16.1	20.4				
Strontium (Sr)-Total (mg/L)	0.563	0.400	0.220	0.262	0.428	0.506				
Thallium (Tl)-Total (mg/L)	<0.00010	**0.00039**	<0.00020	0.00013	<0.00010	<0.00020				
Tin (Sn)-Total (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00020				
Titanium (Ti)-Total (mg/L)	<0.010	0.216	0.194	0.163	<0.010	0.023				
Uranium (U)-Total (mg/L)	0.00392	0.00324	0.00153	0.00170	0.00276	0.00362				
Vanadium (V)-Total (mg/L)	<0.0010	**0.0620**	**0.0211**	**0.0183**	<0.0010	0.0028				
Zinc (Zn)-Total (mg/L)	0.0040	**0.166**	**0.0373**	**0.0367**	0.0012	0.0060				

Sample Site: Lynx 10 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0014	**0.115**	0.0654	0.0443	0.0083	0.0445				
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00020	0.00021	0.00022	0.00019	<0.00020				
Arsenic (As)-Dissolved (mg/L)	0.00078	0.00083	0.00065	0.00096	0.00116	0.00114				
Barium (Ba)-Dissolved (mg/L)	0.108	0.0592	0.104	0.106	0.116	0.0972				
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.0010				
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.0010				
Boron (B)-Dissolved (mg/L)	0.038	0.021	<0.020	0.024	0.040	0.046				
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.00010	<0.00010	<0.000050	<0.000050	<0.00010				
Calcium (Ca)-Dissolved (mg/L)	91.9	48.3	52.4	56.9	79.5	67.3				
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.0010				
Cobalt (Co)-Dissolved (mg/L)	0.00014	0.00061	0.00037	0.00028	0.00016	<0.00020				
Copper (Cu)-Dissolved (mg/L)	0.00049	**0.00360**	0.00269	0.00221	0.00113	0.00102				
Iron (Fe)-Dissolved (mg/L)	<0.030	0.082	0.080	0.032	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.00010	<0.00010	0.000053	<0.000050	<0.00010				
Lithium (Li)-Dissolved (mg/L)	0.0253	0.012	<0.010	0.0120	0.0248	0.029				
Magnesium (Mg)-Dissolved (mg/L)	58.7	21.0	21.0	25.3	50.3	53.9				
Manganese (Mn)-Dissolved (mg/L)	0.0232	0.0263	0.0161	0.00352	0.00688	0.00768				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.00517	0.00278	0.00195	0.00281	0.00495	0.00556				
Nickel (Ni)-Dissolved (mg/L)	0.00130	0.0062	0.0036	0.00359	0.00284	0.0027				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	2.6	6.0	<2.0	2.4	2.9	3.0				
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0020				
Silicon (Si)-Dissolved (mg/L)	6.60	2.66	3.25	3.60	5.51	5.93				
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000020	<0.000020	<0.000010	<0.000010	<0.000020				
Sodium (Na)-Dissolved (mg/L)	18.7	7.0	5.1	6.9	15.9	20.7				
Strontium (Sr)-Dissolved (mg/L)	0.562	0.177	0.173	0.211	0.426	0.479				
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00020				
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00020				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.00382	0.00167	0.00117	0.00160	0.00282	0.00350				
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0020				
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	0.0026	<0.0010	<0.0020				
Organic Parameters										
Chlorophyll a (µg/L)	0.583	1.38	0.565	0.554	1.01	0.853				
Dissolved Organic Carbon (mg/L)	1.93	8.44	12.6	9.13	4.89	3.42				
Total Inorganic Carbon (mg/L)	104	25.2	48.5	56.1	42.4	57.2				
Total Organic Carbon (mg/L)	2.55	57.0	19.5	10.4	5.50	4.39				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Farrell 11 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Sample Period	Winter	Spring 1	Spring 2	Spring 3	Spring 3					
Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Time Sampled	14:30	13:30	16:00	14:00	14:30	13:00				
ALS Sample ID	L483753-8	L496604-7	L507216-3	L515422-2	L527475-3	L543666-5				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	428	252	124	129	231	247				
Colour, True (CU)	<5.0	19.2	63.9	35.6	26.2	14.0				
Conductivity (µS/cm)	881	482	237	248	399	468				
pH (mg/L)	8.23	8.28	8.10	8.26	8.42	8.48				
Total Dissolved Solids (mg/L)	582	314	179	181	254	302				
Total Suspended Solids (mg/L)	6.7	178	145	51.8	8.5	7.3				
Turbidity (NTU)	1.77	186	150	63.8	8.52	6.14				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	<0.004	0.022	0.013	0.079	0.010				
Ammonia as N (mg/L)	0.038	0.058	<0.020	<0.020	<0.020	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	2.2	<1.0	4.1	1.4	<1.0	<1.0				
Alkalinity-Total CaCO3 (mg/L)	293	187	100	109	195	222				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	4.32	2.42	0.53	0.53	1.06	1.33				
Fluoride (F) (mg/L)	**0.317**	0.142	0.103	0.117	0.172	0.174				
Sulfate (SO4) (mg/L)	**216**	79.7	25.8	23.1	40.1	55.1				
Sulphide as S (mg/L)	<0.020	<0.020	0.038	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.0857	0.116	0.0976	<0.0050	<0.0050	<0.0050				
Nitrate (as N) (mg/L)			0.0976	<0.0050	<0.0050	<0.0050				
Nitrite (as N) (mg/L)			<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.126	0.644	1.17	0.518	0.379	0.350				
Total Nitrogen (mg/L)	0.212	0.76	0.79	0.518	0.379	0.42				
Ortho Phosphate as P (mg/L)	0.0060	0.0180	0.0062	0.0058	<0.0010	<0.0010				
Total Dissolved Phosphate P (mg/L)	0.0079	0.0289	0.0155	0.0127	0.0039	0.0043				
Total Phosphate as P (mg/L)	0.0137	0.246	0.213	0.0900	0.0173	0.0133				

Sample Site: Farrell 11 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Total Metals										
Aluminum (Al)-Total (mg/L)	**0.193**	**5.44**	**3.25**	**1.13**	0.0658	0.0829				
Antimony (Sb)-Total (mg/L)	<0.00020	0.00040	0.00039	0.00025	0.00021	0.00017				
Arsenic (As)-Total (mg/L)	0.00043	0.00299	0.00215	0.00119	0.00055	0.00049				
Barium (Ba)-Total (mg/L)	0.0895	0.158	0.143	0.104	0.115	0.103				
Beryllium (Be)-Total (mg/L)	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	0.032	0.029	0.022	0.020	0.028	0.036				
Cadmium (Cd)-Total (mg/L)	**0.00022**	**0.000392**	**0.000286**	**0.000150**	<0.000050	<0.000050				
Calcium (Ca)-Total (mg/L)	110	71.0	41.8	37.0	63.3	62.3				
Chromium (Cr)-Total (mg/L)	<0.0010	0.00967	0.00642	0.00219	<0.00050	<0.00050				
Cobalt (Co)-Total (mg/L)	0.00030	0.00386	0.00200	0.00081	0.00013	0.00011				
Copper (Cu)-Total (mg/L)	0.00151	**0.0124**	**0.00808**	**0.00510**	0.00210	0.00161				
Iron (Fe)-Total (mg/L)	0.095	**6.15**	**4.71**	**1.73**	0.170	0.114				
Lead (Pb)-Total (mg/L)	<0.00010	0.00295	0.00242	0.00102	0.000127	0.000077				
Lithium (Li)-Total (mg/L)	0.039	0.0174	0.0103	0.0081	0.0121	0.0174				
Magnesium (Mg)-Total (mg/L)	36.4	22.5	11.6	10.7	16.9	22.0				
Manganese (Mn)-Total (mg/L)	0.0270	0.150	0.0815	0.0427	0.0268	0.0174				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.00148	0.00229	0.00107	0.00101	0.00145	0.00186				
Nickel (Ni)-Total (mg/L)	0.0083	0.0143	0.0101	0.00479	0.00280	0.00196				
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	2.2	4.4	2.2	<2.0	<2.0	2.4				
Selenium (Se)-Total (mg/L)	<0.0020	0.0015	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Total (mg/L)	2.67	9.98	9.97	4.24	1.67	1.54				
Silver (Ag)-Total (mg/L)	<0.000020	0.000071	0.000059	0.000016	<0.000010	<0.000010				
Sodium (Na)-Total (mg/L)	34.0	11.8	4.6	5.3	9.5	14.4				
Strontium (Sr)-Total (mg/L)	0.359	0.201	0.103	0.0990	0.152	0.197				
Thallium (Tl)-Total (mg/L)	<0.00020	0.00011	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Total (mg/L)	<0.00020	0.00011	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Total (mg/L)	<0.010	0.106	0.125	0.036	<0.010	<0.010				
Uranium (U)-Total (mg/L)	0.00211	0.00174	0.000658	0.000501	0.000804	0.00112				
Vanadium (V)-Total (mg/L)	<0.0020	**0.0206**	**0.0145**	0.0055	<0.0010	<0.0010				
Zinc (Zn)-Total (mg/L)	**0.0146**	**0.0440**	**0.0231**	0.0107	0.0010	0.0010				

Sample Site: Farrell 11 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0053	0.0924	0.0892	0.0543	0.0078	0.0044				
Antimony (Sb)-Dissolved (mg/L)	<0.00020	0.00012	0.00018	0.00018	0.00018	0.00015				
Arsenic (As)-Dissolved (mg/L)	0.00037	0.00039	0.00047	0.00064	0.00047	0.00054				
Barium (Ba)-Dissolved (mg/L)	0.0878	0.0647	0.0632	0.0760	0.109	0.0999				
Beryllium (Be)-Dissolved (mg/L)	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	0.031	0.021	0.016	0.020	0.027	0.036				
Cadmium (Cd)-Dissolved (mg/L)	**0.00023**	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	111	65.4	34.1	34.8	64.2	62.1				
Chromium (Cr)-Dissolved (mg/L)	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Cobalt (Co)-Dissolved (mg/L)	0.00024	0.00067	0.00020	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Dissolved (mg/L)	0.00099	0.00319	0.00299	0.00245	0.00164	0.00145				
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	0.187	0.120	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.00010	<0.000050	0.000127	0.000147	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	0.038	0.0130	0.0064	0.0071	0.0115	0.0169				
Magnesium (Mg)-Dissolved (mg/L)	36.7	21.4	9.50	10.1	17.2	22.2				
Manganese (Mn)-Dissolved (mg/L)	0.0193	0.0310	0.00870	0.00238	0.000905	0.00305				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.00142	0.00159	0.000670	0.000905	0.00129	0.00180				
Nickel (Ni)-Dissolved (mg/L)	0.0082	0.00419	0.00376	0.00244	0.00251	0.00209				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	2.1	3.5	<2.0	<2.0	<2.0	2.4				
Selenium (Se)-Dissolved (mg/L)	<0.0020	0.0013	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Dissolved (mg/L)	2.64	2.34	2.42	1.91	1.57	1.39				
Silver (Ag)-Dissolved (mg/L)	<0.000020	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	34.2	12.1	4.5	5.4	9.7	14.7				
Strontium (Sr)-Dissolved (mg/L)	0.352	0.175	0.0798	0.0839	0.147	0.195				
Thallium (Tl)-Dissolved (mg/L)	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.00209	0.00143	0.000440	0.000481	0.000717	0.00107				
Vanadium (V)-Dissolved (mg/L)	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	**0.0124**	0.0017	0.0010	0.0069	<0.0010	<0.0010				
Organic Parameters										
Chlorophyll a (µg/L)	1.53	0.278	0.423	0.553	1.05	0.573				
Dissolved Organic Carbon (mg/L)	3.87	6.07	15.3	9.95	9.78	7.89				
Total Inorganic Carbon (mg/L)	65.9	9.63	21.1	21.8	42.4	35.5				
Total Organic Carbon (mg/L)	4.17	46.1	18.5	11.6	10.5	8.23				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Cache 12 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Sample Period	Winter	Spring 1	Spring 2	Spring 3	Spring 3					
Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Time Sampled	15:00	15:30	17:00	16:30	15:50	18:00				
ALS Sample ID	L483753-5	L496604-8	L507216-4	L515422-3	L527475-4	L543666-6				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	652	140	201	401	518	596				
Colour, True (CU)	8.7	50.8	77.9	26.0	14.6	9.5				
Conductivity (µS/cm)	1420	345	470	955	1130	1310				
pH (mg/L)	7.91	8.03	8.10	8.32	8.31	8.25				
Total Dissolved Solids (mg/L)	964	347	335	702	823	1030				
Total Suspended Solids (mg/L)	22.2	2760	186	30.3	4.5	7.1				
Turbidity (NTU)	14.4	3520	250	44.7	4.90	6.29				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<0.004	0.021	0.027	0.017	0.081	0.0088				
Ammonia as N (mg/L)	0.042	0.214	0.054	<0.020	0.022	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	11.1	2.1	4.5	<1.0	<1.0	<1.0				
Alkalinity-Total CaCO3 (mg/L)	355	96.4	132	206	243	275				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	20.9	2.06	3.10	4.78	5.88	11.9				
Fluoride (F) (mg/L)	**0.428**	0.158	0.159	**0.374**	**0.407**	**0.491**				
Sulfate (SO4) (mg/L)	**502**	75.2	**105**	**322**	**386**	**472**				
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.0173	0.125	0.0209	<0.0050	<0.0050	<0.0050				
Nitrate (as N) (mg/L)			0.0175	<0.0050	<0.0050	<0.0050				
Nitrite (as N) (mg/L)			0.0034	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.312	4.34	1.71	0.775	0.398	0.383				
Total Nitrogen (mg/L)	0.329	4.47	1.25	0.775	0.398	0.47				
Ortho Phosphate as P (mg/L)	<0.0010	0.0389	0.0085	<0.0010	0.0013	0.0014				
Total Dissolved Phosphate P (mg/L)	0.0286	0.120	0.0232	0.0066	0.0053	0.0058				
Total Phosphate as P (mg/L)	0.0297	2.25	0.259	0.0635	0.0139	0.0116				

Sample Site: Cache 12 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Total Metals										
Aluminum (Al)-Total (mg/L)	**0.166**	**22.2**	**5.47**	**0.607**	0.0601	0.0445				
Antimony (Sb)-Total (mg/L)	<0.00020	0.00072	0.00050	0.00031	<0.00020	<0.00020				
Arsenic (As)-Total (mg/L)	0.00076	**0.0179**	0.00387	0.00103	0.00065	0.00063				
Barium (Ba)-Total (mg/L)	0.0486	0.679	0.175	0.0914	0.0695	0.0603				
Beryllium (Be)-Total (mg/L)	<0.0010	0.0015	<0.00050	<0.0010	<0.0010	<0.0010				
Bismuth (Bi)-Total (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Boron (B)-Total (mg/L)	0.062	0.052	0.046	0.094	0.094	0.103				
Cadmium (Cd)-Total (mg/L)	<0.00010	**0.00232**	**0.000376**	<0.00010	<0.00010	<0.00010				
Calcium (Ca)-Total (mg/L)	172	83.6	53.1	98.2	127	146				
Chromium (Cr)-Total (mg/L)	<0.0010	0.0390	0.00986	0.0012	<0.0010	<0.0010				
Cobalt (Co)-Total (mg/L)	0.00302	0.0253	0.00582	0.00553	0.00067	0.00074				
Copper (Cu)-Total (mg/L)	0.00105	**0.0656**	**0.0131**	**0.00383**	0.00225	0.00103				
Iron (Fe)-Total (mg/L)	**0.361**	**48.3**	**9.28**	**1.19**	0.292	**0.327**				
Lead (Pb)-Total (mg/L)	0.00024	0.0240	0.00404	0.00066	<0.00010	<0.00010				
Lithium (Li)-Total (mg/L)	0.036	0.033	0.0139	0.026	0.031	0.041				
Magnesium (Mg)-Total (mg/L)	51.4	24.9	19.1	38.5	48.5	52.2				
Manganese (Mn)-Total (mg/L)	**0.882**	**1.21**	0.306	0.542	0.135	0.332				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.00175	0.00504	0.00183	0.00192	0.00225	0.00258				
Nickel (Ni)-Total (mg/L)	0.0089	0.0759	0.0227	0.0220	0.0075	0.0045				
Phosphorus (P)-Total (mg/L)	<0.30	1.75	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	6.1	11.4	4.6	5.4	5.9	7.1				
Selenium (Se)-Total (mg/L)	<0.0020	**0.0032**	0.0011	<0.0020	<0.0020	<0.0020				
Silicon (Si)-Total (mg/L)	3.31	36.2	18.4	2.93	1.20	2.49				
Silver (Ag)-Total (mg/L)	<0.000020	**0.000410**	0.000090	<0.000020	<0.000020	<0.000020				
Sodium (Na)-Total (mg/L)	78.3	17.1	28.9	67.8	82.8	87.7				
Strontium (Sr)-Total (mg/L)	0.565	0.275	0.232	0.320	0.404	0.514				
Thallium (Tl)-Total (mg/L)	<0.00020	**0.00052**	0.00012	<0.00020	<0.00020	<0.00020				
Tin (Sn)-Total (mg/L)	<0.00020	<0.00020	<0.00010	<0.00020	<0.00020	<0.00020				
Titanium (Ti)-Total (mg/L)	<0.010	0.256	0.271	0.019	<0.010	<0.010				
Uranium (U)-Total (mg/L)	0.00294	0.00373	0.00183	0.00210	0.00217	0.00283				
Vanadium (V)-Total (mg/L)	<0.0020	**0.0794**	**0.0209**	0.0026	<0.0020	<0.0020				
Zinc (Zn)-Total (mg/L)	0.0080	**0.227**	**0.0501**	0.0104	<0.0020	<0.0020				

Sample Site: Cache 12 **Sampling Matrix: Water**

Date Sampled	04-MAR-07	17-APR-07	17-MAY-07	06-JUN-07	09-JUL-07	16-AUG-07				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0083	**0.114**	**0.113**	0.0286	0.0119	0.0047				
Antimony (Sb)-Dissolved (mg/L)	<0.00020	<0.00020	0.00029	0.00026	<0.00020	<0.00020				
Arsenic (As)-Dissolved (mg/L)	0.00061	0.00056	0.00059	0.00059	0.00052	0.00053				
Barium (Ba)-Dissolved (mg/L)	0.0409	0.0329	0.0621	0.0768	0.0686	0.0566				
Beryllium (Be)-Dissolved (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Bismuth (Bi)-Dissolved (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Boron (B)-Dissolved (mg/L)	0.061	0.026	0.038	0.093	0.095	0.105				
Cadmium (Cd)-Dissolved (mg/L)	<0.00010	<0.00010	<0.000050	<0.00010	<0.00010	<0.00010				
Calcium (Ca)-Dissolved (mg/L)	175	37.0	51.1	97.4	127	150				
Chromium (Cr)-Dissolved (mg/L)	<0.0010	<0.0010	0.00198	<0.0010	<0.0010	<0.0010				
Cobalt (Co)-Dissolved (mg/L)	0.00286	0.00087	0.00157	0.00388	0.00059	0.00033				
Copper (Cu)-Dissolved (mg/L)	0.00066	**0.00339**	**0.00422**	0.00253	0.00208	0.00116				
Iron (Fe)-Dissolved (mg/L)	<0.030	0.204	0.263	<0.030	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.00010	0.00013	0.000141	<0.00010	<0.00010	<0.00010				
Lithium (Li)-Dissolved (mg/L)	0.034	<0.010	0.0078	0.026	0.030	0.041				
Magnesium (Mg)-Dissolved (mg/L)	52.5	11.6	17.8	38.4	49.0	53.6				
Manganese (Mn)-Dissolved (mg/L)	**0.865**	0.174	0.161	0.374	0.125	0.144				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.00173	0.00155	0.00125	0.00208	0.00237	0.00267				
Nickel (Ni)-Dissolved (mg/L)	0.0086	0.0063	0.0101	0.0188	0.0076	0.0044				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	6.2	6.8	3.0	5.2	5.8	7.4				
Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020				
Silicon (Si)-Dissolved (mg/L)	3.09	1.70	2.66	1.65	1.06	2.46				
Silver (Ag)-Dissolved (mg/L)	<0.000020	<0.000020	<0.000010	<0.000020	<0.000020	<0.000020				
Sodium (Na)-Dissolved (mg/L)	79.9	17.5	29.6	68.4	82.7	91.4				
Strontium (Sr)-Dissolved (mg/L)	0.543	0.113	0.189	0.324	0.413	0.521				
Thallium (Tl)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00010	<0.00020	<0.00020	<0.00020				
Tin (Sn)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00010	<0.00020	<0.00020	<0.00020				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.00282	0.00100	0.00140	0.00221	0.00224	0.00291				
Vanadium (V)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020				
Zinc (Zn)-Dissolved (mg/L)	0.0060	<0.0020	0.0018	<0.0020	<0.0020	<0.0020				
Organic Parameters										
Chlorophyll a (µg/L)	0.297	0.587	0.562	3.66	1.50	1.77				
Dissolved Organic Carbon (mg/L)	6.78	10.1	22.5	14.0	9.88	7.62				
Total Inorganic Carbon (mg/L)	66.3	41.0	29.7	43.6	55.9	45.1				
Total Organic Carbon (mg/L)	8.24	29.5	27.7	15.8	10.9	8.58				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2007

Sample Site: Boudreau 13 **Sampling Matrix: Water**

Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Sample Period	Spring 2	Spring 3	Spring 3	Late Summer						
Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Time Sampled	15:00	15:30	12:45	14:20						
ALS Sample ID	L506847-4	L515422-7	L527080-13	L541389-3						
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0						
Hardness (as CaCO3) (mg/L)	189	435	495	775						
Colour, True (CU)	118	34.3	14.0	13.4						
Conductivity (µS/cm)	342	750	858	1190						
pH (mg/L)	8	8.10	8.05	8.12						
Total Dissolved Solids (mg/L)	310	575	617	964						
Total Suspended Solids (mg/L)	23.6	19.3	8.0	<3.0						
Turbidity (NTU)	110	36.1	8.04	3.11						
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	0.018	0.019	0.012	0.0066						
Ammonia as N (mg/L)	0.032	0.047	0.110	0.078						
Acidity (to pH 8.3) CaCO3 (mg/L)	2.9	4.4	6.8	3.9						
Alkalinity-Total CaCO3 (mg/L)	123	217	286	237						
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050						
Chloride (Cl) (mg/L)	0.53	<0.50	<0.50	<0.50						
Fluoride (F) (mg/L)	0.116	**0.232**	**0.320**	**0.278**						
Sulfate (SO4) (mg/L)	59.7	**207**	**195**	**452**						
Sulphide as S (mg/L)	0.021	<0.020	<0.020	<0.020						
Nitrate and Nitrite as N (mg/L)		0.0094	0.0127	0.0293						
Nitrate (as N) (mg/L)	0.0276	0.0094	0.0114	0.0254						
Nitrite (as N) (mg/L)	<0.0010	<0.0010	0.0013	0.0039						
Total Kjeldahl Nitrogen (mg/L)	1.42	0.924	0.645	0.526						
Total Nitrogen (mg/L)	1.45	0.933	0.658	0.64						
Ortho Phosphate as P (mg/L)	0.0104	<0.0010	<0.0010	<0.0010						
Total Dissolved Phosphate P (mg/L)	0.0369	0.0099	0.0038	<0.0020						
Total Phosphate as P (mg/L)	0.129	0.0422	0.0154	0.0039						

Sample Site: Boudreau 13 **Sampling Matrix: Water**

Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Total Metals										
Aluminum (Al)-Total (mg/L)	**1.47**	**0.554**	0.0380	0.0437						
Antimony (Sb)-Total (mg/L)	0.00034	0.00027	<0.00020	<0.00020						
Arsenic (As)-Total (mg/L)	0.00153	0.00112	0.00123	0.00079						
Barium (Ba)-Total (mg/L)	0.0892	0.0988	0.0604	0.0905						
Beryllium (Be)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010						
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010						
Boron (B)-Total (mg/L)	0.021	0.026	0.037	0.032						
Cadmium (Cd)-Total (mg/L)	**0.000442**	**0.00038**	<0.00010	**0.00011**						
Calcium (Ca)-Total (mg/L)	52	117	137	209						
Chromium (Cr)-Total (mg/L)	0.0026	<0.0010	<0.0010	<0.0010						
Cobalt (Co)-Total (mg/L)	0.0039	0.00474	0.00274	0.00139						
Copper (Cu)-Total (mg/L)	**0.00958**	**0.00583**	0.00090	0.00139						
Iron (Fe)-Total (mg/L)	**3.24**	**2.37**	**0.898**	**0.555**						
Lead (Pb)-Total (mg/L)	0.00116	0.00036	<0.00010	<0.00010						
Lithium (Li)-Total (mg/L)	0.0062	0.014	0.025	0.022						
Magnesium (Mg)-Total (mg/L)	14.8	31.5	33.6	51.3						
Manganese (Mn)-Total (mg/L)	0.0871	**0.559**	**1.38**	**0.671**						
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050						
Molybdenum (Mo)-Total (mg/L)	0.00155	0.00282	0.00183	0.00214						
Nickel (Ni)-Total (mg/L)	0.0178	0.0244	0.0058	0.0081						
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30						
Potassium (K)-Total (mg/L)	6.9	7.0	4.0	6.1						
Selenium (Se)-Total (mg/L)	<0.0010	<0.0020	<0.0020	<0.0020						
Silicon (Si)-Total (mg/L)	4.67	4.51	5.57	4.93						
Silver (Ag)-Total (mg/L)	2.6e-005	<0.000020	<0.000020	<0.000020						
Sodium (Na)-Total (mg/L)	2.4	4.6	8.0	6.5						
Strontium (Sr)-Total (mg/L)	0.137	0.268	0.375	0.459						
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020						
Tin (Sn)-Total (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020						
Titanium (Ti)-Total (mg/L)	0.035	0.014	<0.010	<0.010						
Uranium (U)-Total (mg/L)	0.00147	0.00352	0.00229	0.00402						
Vanadium (V)-Total (mg/L)	0.006	<0.0020	<0.0020	<0.0020						
Zinc (Zn)-Total (mg/L)	**0.047**	**0.0504**	0.0066	0.0073						

Sample Site: Boudreau 13 **Sampling Matrix: Water**

Date Sampled	15-MAY-07	07-JUN-07	07-JUL-07	13-AUG-07						
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	**0.156**	0.0465	<0.0020	<0.0020						
Antimony (Sb)-Dissolved (mg/L)	0.00027	0.00021	<0.00020	<0.00020						
Arsenic (As)-Dissolved (mg/L)	0.00071	0.00055	0.00094	0.00060						
Barium (Ba)-Dissolved (mg/L)	0.0658	0.0893	0.0585	0.0885						
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010						
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010						
Boron (B)-Dissolved (mg/L)	0.018	0.024	0.036	0.033						
Cadmium (Cd)-Dissolved (mg/L)	**0.000259**	**0.00026**	<0.00010	<0.00010						
Calcium (Ca)-Dissolved (mg/L)	51.2	120	142	220						
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.0014						
Cobalt (Co)-Dissolved (mg/L)	0.00245	0.00423	0.00269	0.00120						
Copper (Cu)-Dissolved (mg/L)	**0.00654**	**0.00417**	0.00072	0.00103						
Iron (Fe)-Dissolved (mg/L)	**0.635**	<0.030	<0.030	<0.030						
Lead (Pb)-Dissolved (mg/L)	0.00013	<0.00010	<0.00010	<0.00010						
Lithium (Li)-Dissolved (mg/L)	<0.0050	0.014	0.025	0.022						
Magnesium (Mg)-Dissolved (mg/L)	14.8	33.0	34.4	54.9						
Manganese (Mn)-Dissolved (mg/L)	0.0486	0.551	**1.37**	**0.624**						
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050						
Molybdenum (Mo)-Dissolved (mg/L)	0.00149	0.00303	0.00176	0.00212						
Nickel (Ni)-Dissolved (mg/L)	0.0134	0.0224	0.0056	0.0077						
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30						
Potassium (K)-Dissolved (mg/L)	6.8	7.2	4.0	6.3						
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0020						
Silicon (Si)-Dissolved (mg/L)	2.23	3.78	5.65	5.08						
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000020	<0.000020	<0.000020						
Sodium (Na)-Dissolved (mg/L)	2.5	4.9	8.2	6.9						
Strontium (Sr)-Dissolved (mg/L)	0.125	0.293	0.372	0.464						
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020						
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020						
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010						
Uranium (U)-Dissolved (mg/L)	0.00132	0.00347	0.00226	0.00400						
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0020						
Zinc (Zn)-Dissolved (mg/L)	**0.0151**	**0.0202**	0.0068	0.0049						
Organic Parameters										
Chlorophyll a (µg/L)	0.9	0.354	6.53	0.749						
Dissolved Organic Carbon (mg/L)	29.2	19.6	11.1	11.4						
Total Inorganic Carbon (mg/L)	23.1	45.8	53.7	47.4						
Total Organic Carbon (mg/L)	30.4	20.8	12.2	11.8						

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed - November 2006 to August 2007.

Sample Site: Travel Blank **Sampling Matrix: Water**

Date Sampled	13-OCT-06	06-MAR-07	18-APR-07	17-MAY-07	28-MAY-07	08-JUN-07	05-JUL-07	30-JUL-07		
Sample Period	Fall	Winter	Spring 1	Spring 2	Spring 3	Spring 3	Spring 3			
Date Sampled	13-OCT-06	06-MAR-07	18-APR-07	17-MAY-07	28-MAY-07	08-JUN-07	05-JUL-07	30-JUL-07		
Time Sampled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
ALS Sample ID	10	L483753-11	L496604-12	L507216-6	L515422-9	L515422-8	L527080-12	L543666-10		
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0			<1.0	<1.0		
Hardness (as CaCO3) (mg/L)	<0.54				<0.50	<0.50		<0.50		
Colour, True (CU)	<5.0	<5.0	<5.0	<5.0			<5.0	<5.0		
Conductivity (µS/cm)	<2.0	<2.0	<2.0	<2.0			<2.0	<2.0		
pH (mg/L)	5.52	7.90	5.57	5.65			8.42	5.58		
Total Dissolved Solids (mg/L)	<10	<10	<10	<10			<10	<10		
Total Suspended Solids (mg/L)	<3.0	<3.0	<3.0	<3.0			<3.0	<3.0		
Turbidity (NTU)	<0.10	<0.10	<0.10	<0.10			<0.10	<0.10		
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)					0.011	0.011	0.0092	0.012		
Ammonia as N (mg/L)	<0.020	0.024		<0.020			<0.020	<0.020		
Acidity (to pH 8.3) CaCO3 (mg/L)	2.5	1.4	1.2	1.5			<1.0	2.0		
Alkalinity-Total CaCO3 (mg/L)	<2.0	<2.0	<2.0	<2.0			<2.0	<2.0		
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050			<0.050	<0.050		
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50			<0.50	<0.50		
Fluoride (F) (mg/L)	<0.020	<0.020	<0.020	<0.020			<0.020	<0.020		
Sulfate (SO4) (mg/L)	<0.50	<0.50	<0.50	<0.50			<0.50	<0.50		
Sulphide as S (mg/L)	<0.020	<0.020		<0.020	<0.020	<0.020	<0.020	<0.020		
Nitrate and Nitrite as N (mg/L)	<0.0050	<0.0050		<0.0050			<0.0050	<0.0050		
Nitrate (as N) (mg/L)	<0.0050		<0.0050	<0.0050			<0.0050	<0.0050		
Nitrite (as N) (mg/L)	<0.0010		<0.0010	<0.0010			0.0013	<0.0010		
Total Kjeldahl Nitrogen (mg/L)	<0.050	<0.050		<0.050			<0.050	<0.050		
Total Nitrogen (mg/L)	<0.050	<0.060					<0.060	<0.05		
Ortho Phosphate as P (mg/L)		<0.0010	<0.0010	<0.0010			<0.0010	<0.0010		
Total Dissolved Phosphate P (mg/L)	0.0020	0.0021	<0.0020	<0.0020			<0.0020	<0.0020		
Total Phosphate as P (mg/L)	<0.0020	0.0023	<0.0020	<0.0020			<0.0020	<0.0020		

Sample Site: Travel Blank **Sampling Matrix: Water**

Date Sampled	13-OCT-06	06-MAR-07	18-APR-07	17-MAY-07	28-MAY-07	08-JUN-07	05-JUL-07	30-JUL-07		
Total Metals										
Aluminum (Al)-Total (mg/L)	<0.0010	<0.0010			<0.0010	<0.0020	<0.0010	<0.0010		
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010			<0.00010	<0.00010	<0.00010	<0.00010		
Arsenic (As)-Total (mg/L)	<0.00010	<0.00010			<0.00010	<0.00010	<0.00010	<0.00010		
Barium (Ba)-Total (mg/L)	<0.000050	<0.000050			<0.000050	<0.000070	<0.000050	<0.000050		
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050			<0.00050	<0.00050	<0.00050	<0.00050		
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050			<0.00050	<0.00050	<0.00050	<0.00050		
Boron (B)-Total (mg/L)	<0.010	<0.010			<0.010	<0.010	<0.010	<0.010		
Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050			<0.000050	<0.000050	<0.000050	<0.000050		
Calcium (Ca)-Total (mg/L)	<0.050	<0.050			<0.050	<0.050	<0.050	<0.050		
Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050			<0.00050	<0.00050	<0.00050	<0.00050		
Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010			<0.00010	<0.00010	<0.00010	<0.00010		
Copper (Cu)-Total (mg/L)	<0.00010	0.00040			<0.00010	<0.00010	<0.00010	<0.00010		
Iron (Fe)-Total (mg/L)	<0.030	<0.030			<0.030	<0.030	<0.030	<0.030		
Lead (Pb)-Total (mg/L)	<0.000050	<0.000050			<0.000050	<0.000050	<0.000050	<0.000050		
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050			<0.0050	<0.0050	<0.0050	<0.0050		
Magnesium (Mg)-Total (mg/L)	<0.10	<0.10			<0.10	<0.10	<0.10	<0.10		
Manganese (Mn)-Total (mg/L)	<0.000050	<0.000050			<0.000050	<0.000050	<0.000050	<0.000050		
Mercury (Hg)-Total (mg/L)		<0.000050			<0.000050	<0.000050	<0.000050	<0.000050		
Molybdenum (Mo)-Total (mg/L)	<0.000050	<0.000050			<0.000050	<0.000050	<0.000050	<0.000050		
Nickel (Ni)-Total (mg/L)	<0.00050	<0.00050			<0.00050	<0.00050	<0.00050	<0.00050		
Phosphorus (P)-Total (mg/L)	<0.30	<0.30			<0.30	<0.30	<0.30	<0.30		
Potassium (K)-Total (mg/L)	<2.0	<2.0			<2.0	<2.0	<2.0	<2.0		
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010		
Silicon (Si)-Total (mg/L)	<0.050	<0.050			<0.050	<0.050	<0.050	<0.050		
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010			<0.000010	<0.000010	<0.000010	<0.000010		
Sodium (Na)-Total (mg/L)	<2.0	<2.0			<2.0	<2.0	<2.0	<2.0		
Strontium (Sr)-Total (mg/L)	<0.00010	<0.00010			<0.00010	<0.00010	<0.00010	<0.00010		
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010			<0.00010	<0.00010	<0.00010	<0.00010		
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010			<0.00010	<0.00010	<0.00010	<0.00010		
Titanium (Ti)-Total (mg/L)	<0.010	<0.010			<0.010	<0.010	<0.010	<0.010		
Uranium (U)-Total (mg/L)	<0.000010	<0.000010			<0.000010	<0.000010	<0.000010	<0.000010		
Vanadium (V)-Total (mg/L)	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010		
Zinc (Zn)-Total (mg/L)	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010		

Sample Site: Travel Blank **Sampling Matrix: Water**

Date Sampled	13-OCT-06	06-MAR-07	18-APR-07	17-MAY-07	28-MAY-07	08-JUN-07	05-JUL-07	30-JUL-07		
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)								<0.0010		
Antimony (Sb)-Dissolved (mg/L)								<0.00010		
Arsenic (As)-Dissolved (mg/L)								<0.00010		
Barium (Ba)-Dissolved (mg/L)								<0.000050		
Beryllium (Be)-Dissolved (mg/L)								<0.00050		
Bismuth (Bi)-Dissolved (mg/L)								<0.00050		
Boron (B)-Dissolved (mg/L)								<0.010		
Cadmium (Cd)-Dissolved (mg/L)								<0.000050		
Calcium (Ca)-Dissolved (mg/L)								<0.050		
Chromium (Cr)-Dissolved (mg/L)								<0.00050		
Cobalt (Co)-Dissolved (mg/L)								<0.00010		
Copper (Cu)-Dissolved (mg/L)								<0.00010		
Iron (Fe)-Dissolved (mg/L)								<0.030		
Lead (Pb)-Dissolved (mg/L)								<0.000050		
Lithium (Li)-Dissolved (mg/L)								<0.0050		
Magnesium (Mg)-Dissolved (mg/L)								<0.10		
Manganese (Mn)-Dissolved (mg/L)								<0.000050		
Mercury (Hg)-Dissolved (mg/L)								<0.000050		
Molybdenum (Mo)-Dissolved (mg/L)								<0.000050		
Nickel (Ni)-Dissolved (mg/L)								<0.00050		
Phosphorus (P)-Dissolved (mg/L)								<0.30		
Potassium (K)-Dissolved (mg/L)								<2.0		
Selenium (Se)-Dissolved (mg/L)								<0.0010		
Silicon (Si)-Dissolved (mg/L)								<0.050		
Silver (Ag)-Dissolved (mg/L)								<0.000010		
Sodium (Na)-Dissolved (mg/L)								<2.0		
Strontium (Sr)-Dissolved (mg/L)								<0.00010		
Thallium (Tl)-Dissolved (mg/L)								<0.00010		
Tin (Sn)-Dissolved (mg/L)								<0.00010		
Titanium (Ti)-Dissolved (mg/L)								<0.010		
Uranium (U)-Dissolved (mg/L)								<0.000010		
Vanadium (V)-Dissolved (mg/L)								<0.0010		
Zinc (Zn)-Dissolved (mg/L)								<0.0010		
Organic Parameters										
Chlorophyll a (µg/L)	<0.00060	0.0067	<0.0007		<0.0013	0.0029	0.0302			
Dissolved Organic Carbon (mg/L)					<0.50	0.61	<0.50	<0.50		
Total Inorganic Carbon (mg/L)	<0.50	<0.50					<0.50	<0.50		
Total Organic Carbon (mg/L)	<0.50	<0.50					<0.50	<0.50		

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Peace 1 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	08-MAY-08	10-JUN-08	11-JUN-08	08-JUL-08	26-AUG-08	26-AUG-08	28-OCT-08	28-OCT-08	
Sample Period										
Date Sampled	25-FEB-08	08-MAY-08	10-JUN-08	11-JUN-08	08-JUL-08	26-AUG-08	26-AUG-08	28-OCT-08	28-OCT-08	
Time Sampled	08:40	11:16	n/a	n/a	16:00	n/a	13:45	15:30	15:30	
ALS Sample ID	L605197-1	L628019-1	L641431-1	L641431-2	L653105-1	L674661-2	L674661-1	L701882-2	L701882-1	
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Hardness (as CaCO3) (mg/L)	97.8	97.5	95.6	96.4	90.2	86.5	87.3	82.9	83.9	
Colour, True (CU)	5.2	7.1	5.7	5.5	6.1	7.2	7.4	5.1	6.2	
Conductivity (µS/cm)	193	187	181	181	179	168	158	160	161	
pH (mg/L)	8.14	8.07	7.97	8.03	7.99	8.07	7.92	8.14	8.15	
Total Dissolved Solids (mg/L)	107	104	98	97	102	98	100	94	99	
Total Suspended Solids (mg/L)	4.7	4.7	<3.0	<3.0	4.3	<3.0	<3.0	4.2	5.2	
Turbidity (NTU)	4.89	1.66	1.36	1.57	3.64	1.12	1.09	8.34	8.23	
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	4.4	<4 (1)	11	5.1	9.7	<4	<4	<4	<4	
Ammonia as N (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.050	
Acidity (to pH 8.3) CaCO3 (mg/L)	<1.0	4.9	3.8	3.4	1.5	1.6	2.3	1.3	2.1	
Alkalinity-Total CaCO3 (mg/L)	85	83.8	76	81.4	84.7	78.4	78.2	76.3	76.4	
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Fluoride (F) (mg/L)	0.039	0.031	0.035	0.036	0.028	0.033	0.033	0.032	0.031	
Sulfate (SO4) (mg/L)	13.9	12.7	12.4	12.4	12.1	10.8	10.7	9.86	9.89	
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Nitrate and Nitrite as N (mg/L)	0.0605	0.0623	0.053	0.0522	0.0582	0.0721	0.0665	0.0603	0.0603	
Nitrate (as N) (mg/L)	0.0605	0.0623	0.053	0.0522	0.0582	0.0721	0.0665	0.0603	0.0603	
Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Total Kjeldahl Nitrogen (mg/L)	0.105	0.157	0.089	0.094	0.109	0.056	0.055	0.094	0.108	
Total Nitrogen (mg/L)	0.165	0.219	0.142	0.146	0.167	0.128	0.121	0.154	0.168	
Ortho Phosphate as P (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Total Dissolved Phosphate P (mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0034	0.0028	
Total Phosphate as P (mg/L)	0.01	0.0046	0.0038	0.0037	<0.0020	0.0029	0.0027	0.0120	0.0112	

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Peace 1 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	08-MAY-08	10-JUN-08	11-JUN-08	08-JUL-08	26-AUG-08	26-AUG-08	28-OCT-08	28-OCT-08	
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0315	0.0585	0.0273	0.0208	0.0588	0.0188	0.0170	0.162	0.148	
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Arsenic (As)-Total (mg/L)	0.00025	0.00026	0.00018	0.00016	0.00021	0.00019	0.00020	0.00026	0.00024	
Barium (Ba)-Total (mg/L)	0.028	0.0357	0.03	0.0346	0.0304	0.0275	0.0281	0.0304	0.0298	
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Cadmium (Cd)-Total (mg/L)	0.000217	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000070	
Calcium (Ca)-Total (mg/L)	29.2	26.8	29	28.8	26.3	25.7	26.0	24.2	24.4	
Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Cobalt (Co)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Copper (Cu)-Total (mg/L)	0.00084	0.00133	0.00066	0.00062	0.00088	0.00066	0.00073	0.00121	0.00126	
Iron (Fe)-Total (mg/L)	0.092	0.103	0.037	0.036	0.067	<0.030	<0.030	0.219	0.202	
Lead (Pb)-Total (mg/L)	0.000109	0.000113	<0.000050	<0.000050	0.000063	<0.000050	<0.000050	0.000156	0.000185	
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Magnesium (Mg)-Total (mg/L)	6.64	5.99	6.22	6.19	5.93	5.55	5.61	5.31	5.32	
Manganese (Mn)-Total (mg/L)	0.00314	0.0049	0.00226	0.00202	0.00330	0.00154	0.00244	0.00585	0.00569	
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Molybdenum (Mo)-Total (mg/L)	0.000617	0.000744	0.000639	0.000631	0.000793	0.000663	0.000703	0.000770	0.000743	
Nickel (Ni)-Total (mg/L)	<0.00050	0.0009	0.00103	0.00093	0.00071	0.00057	0.00058	0.00126	0.00121	
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Silicon (Si)-Total (mg/L)	2.25	2.15	2.12	2.1	2.07	1.97	1.98	2.25	2.26	
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	
Sodium (Na)-Total (mg/L)	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Strontium (Sr)-Total (mg/L)	0.0769	0.112	0.0956	0.096	0.0959	0.0784	0.0827	0.0773	0.0799	
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Titanium (Ti)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Uranium (U)-Total (mg/L)	0.00048	0.000472	0.000425	0.000438	0.000480	0.000387	0.000391	0.000397	0.000399	
Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Zinc (Zn)-Total (mg/L)	<0.0010	0.0034	0.0011	0.0011	0.0018	<0.0010	<0.0010	<0.0030	<0.0040	

Sample Site: Peace 1 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	08-MAY-08	10-JUN-08	11-JUN-08	08-JUL-08	26-AUG-08	26-AUG-08	28-OCT-08	28-OCT-08	
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0083	0.0074	0.0039	0.0064	0.0053	0.0048	0.0052	0.0082	0.0084	
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Arsenic (As)-Dissolved (mg/L)	0.00018	0.00019	0.00015	0.00015	0.00020	0.00018	0.00019	0.00019	0.00019	
Barium (Ba)-Dissolved (mg/L)	0.0267	0.0307	0.0302	0.0311	0.0288	0.0266	0.0273	0.0260	0.0270	
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Cadmium (Cd)-Dissolved (mg/L)	0.000076	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Calcium (Ca)-Dissolved (mg/L)	28.6	29	28.2	28.6	26.3	25.4	25.9	24.4	24.9	
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Copper (Cu)-Dissolved (mg/L)	0.00403	0.00067	0.00058	0.00064	0.00095	0.00059	0.00063	0.00065	0.00064	
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Magnesium (Mg)-Dissolved (mg/L)	6.39	6.1	6.13	6.09	5.96	5.58	5.49	5.34	5.29	
Manganese (Mn)-Dissolved (mg/L)	0.000548	0.000717	0.000805	0.000799	0.000588	0.000664	0.000855	0.000793	0.000829	
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Molybdenum (Mo)-Dissolved (mg/L)	0.000659	0.000718	0.000665	0.000652	0.000723	0.000670	0.000719	0.000638	0.000722	
Nickel (Ni)-Dissolved (mg/L)	<0.00050	0.00067	0.00105	0.00096	0.00054	<0.00050	0.00056	0.00062	0.00061	
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Silicon (Si)-Dissolved (mg/L)	2.06	2.08	2.04	2.04	2.02	1.92	1.95	2.00	2.00	
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Strontium (Sr)-Dissolved (mg/L)	0.0788	0.104	0.0942	0.096	0.0922	0.0751	0.0804	0.0697	0.0727	
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Uranium (U)-Dissolved (mg/L)	0.00047	0.000466	0.000436	0.000439	0.000448	0.000389	0.000387	0.000338	0.000360	
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Zinc (Zn)-Dissolved (mg/L)	0.0094	<0.0010	0.0011	0.0013	0.0033	<0.0010	0.0012	<0.0010	<0.0010	
Organic Parameters										
Chlorophyll a (µg/L)	0.3	0.632	0.788	0.751	0.693	0.254	0.230	0.848	0.892	
Dissolved Organic Carbon (mg/L)	2.17	2.22	2.22	2.22	2.55	2.87	2.70	2.91	2.86	
Total Inorganic Carbon (mg/L)	14.4	16.7	14.3	14.1	14.9	14.1	14.3	14.7	13.7	
Total Organic Carbon (mg/L)	2.47	2.54	2.43	2.39	2.87	3.26	3.18	3.06	3.16	

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Peace 2 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	05-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Sample Period										
Date Sampled	25-FEB-08	05-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Time Sampled	13:00	18:00	18:20	13:30	11:10	11:15				
ALS Sample ID	L605197-2	L626941-1	L642455-2	L654448-1	L675117-1	L703077-5				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	95.7	98.9	99.4	90.3	88.3	85.6				
Colour, True (CU)	7.8	13.3	6.5	5.5	7.6	5.3				
Conductivity (µS/cm)	190	183	193	179	172	167				
pH (mg/L)	8.14	7.9	8.21	7.96	7.98	8.15				
Total Dissolved Solids (mg/L)	100	114	127	106	97	99				
Total Suspended Solids (mg/L)	4.2	62	5.2	7.3	18.5	8.8				
Turbidity (NTU)	5.26	54.7	2.37	8.12	15.7	82.1				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	9.2*	<4	<4	<4	<4	<4				
Ammonia as N (mg/L)	<0.020	<0.020	<0.020	0.021	0.032	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	<1.0	2.5	<1.0	1.6	1.9	<1.0				
Alkalinity-Total CaCO3 (mg/L)	81.9	83	85.8	82.8	79.5	82.2				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50				
Fluoride (F) (mg/L)	0.044	0.042	0.039	0.037	0.030	0.032				
Sulfate (SO4) (mg/L)	13	13.3	13.8	12.6	10.8	10.4				
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.056	0.0706	0.0284	0.0521	0.0567	0.0598				
Nitrate (as N) (mg/L)	0.056	0.0706	0.0284	0.0521	0.0557	0.0598				
Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.263	0.316	0.105	0.146	0.104	0.096				
Total Nitrogen (mg/L)	0.319	0.387	0.133	0.198	0.161	0.156				
Ortho Phosphate as P (mg/L)	<0.0010	0.0016	<0.0010	<0.0010	<0.0010	<0.0010				
Total Dissolved Phosphate P (mg/L)	0.003	0.004	<0.0020	<0.0020	<0.0020	0.0037				
Total Phosphate as P (mg/L)	0.0077	0.068	0.0073	0.0076	0.0205	0.088				

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Peace 2 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	05-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0471	0.967	0.0397	0.138	0.208	0.196				
Antimony (Sb)-Total (mg/L)	<0.00010	0.00011	<0.00010	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Total (mg/L)	0.00021	0.00065	0.00022	0.00026	0.00028	0.00026				
Barium (Ba)-Total (mg/L)	0.0283	0.0584	0.0337	0.0330	0.0327	0.0318				
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Total (mg/L)	<0.000050	0.000103	<0.000050	<0.000050	<0.000050	0.000057				
Calcium (Ca)-Total (mg/L)	29	31	30	25.7	25.0	25.1				
Chromium (Cr)-Total (mg/L)	<0.00050	0.00185	<0.00050	<0.00050	0.00054	0.00088				
Cobalt (Co)-Total (mg/L)	<0.00010	0.00052	<0.00010	<0.00010	0.00017	0.00010				
Copper (Cu)-Total (mg/L)	0.00129	0.00241	0.00081	0.00144	<0.0013	0.00123				
Iron (Fe)-Total (mg/L)	0.077	1.12	0.067	0.230	0.318	0.275				
Lead (Pb)-Total (mg/L)	0.000084	0.000703	0.000054	0.000213	0.000210	0.000166				
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Total (mg/L)	6.23	6.58	6.52	5.73	5.67	5.53				
Manganese (Mn)-Total (mg/L)	0.00362	0.0269	0.0035	0.00586	0.00930	0.00682				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.000645	0.000801	0.000692	0.000807	0.000708	0.000751				
Nickel (Ni)-Total (mg/L)	0.00062	0.00252	0.00074	<0.0010	0.00111	0.00124				
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Total (mg/L)	2.14	4.03	2.03	2.11	2.25	2.32				
Silver (Ag)-Total (mg/L)	<0.000010	0.000015	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Total (mg/L)	0.0801	0.0998	0.104	0.0953	0.0829	0.0784				
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Total (mg/L)	<0.010	0.033	<0.010	<0.010	0.012	0.012				
Uranium (U)-Total (mg/L)	0.000476	0.00054	0.000465	0.000469	0.000409	0.000406				
Vanadium (V)-Total (mg/L)	<0.0010	0.0044	<0.0010	<0.0010	0.0011	0.0010				
Zinc (Zn)-Total (mg/L)	0.0029	0.0102	<0.0010	<0.0030	0.0026	0.0049				

Sample Site: Peace 2 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	05-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0057	0.0126	0.0034	0.0209	0.0052	0.0074				
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Dissolved (mg/L)	0.00018	0.00022	0.0002	0.00031	0.00018	0.00018				
Barium (Ba)-Dissolved (mg/L)	0.0276	0.0334	0.0323	0.0310	0.0281	0.0277				
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	28.2	29.5	29.2	26.5	26.0	25.3				
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Dissolved (mg/L)	0.00117	0.00104	0.00079	0.00091	0.00063	0.00072				
Iron (Fe)-Dissolved (mg/L)	<0.030	<0.030	<0.030	0.042	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	0.000089	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Dissolved (mg/L)	6.18	6.13	6.45	5.85	5.70	5.44				
Manganese (Mn)-Dissolved (mg/L)	0.000765	0.00426	0.000375	0.00441	0.00106	0.000791				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.000731	0.000723	0.000737	0.000695	0.000684	0.000681				
Nickel (Ni)-Dissolved (mg/L)	<0.00050	0.00106	0.00076	0.00062	<0.00050	0.00063				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Dissolved (mg/L)	2	2	1.9	1.93	1.85	1.94				
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Dissolved (mg/L)	0.0806	0.0938	0.104	0.0909	0.0766	0.0746				
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.000472	0.000468	0.000472	0.000434	0.000390	0.000375				
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	0.0021	0.0023	0.0024	0.0051	<0.0010	0.0015				
Organic Parameters										
Chlorophyll a (µg/L)	0.349	0.489	1.39	1.01	0.805	1.13				
Dissolved Organic Carbon (mg/L)	2.7	3.38	2.51	2.47	2.72	2.77				
Total Inorganic Carbon (mg/L)	15.3	16.2	14.9	13.6	17.3	15.6				
Total Organic Carbon (mg/L)	2.57	4.5	2.79	2.70	3.13	3.10				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Peace 3 **Sampling Matrix: Water**

Date Sampled	08-MAY-08	11-JUN-08	09-JUL-08	09-JUL-08	28-AUG-08	30-OCT-08				
Sample Period										
Date Sampled	08-MAY-08	11-JUN-08	09-JUL-08	09-JUL-08	28-AUG-08	30-OCT-08				
Time Sampled	15:20	n/a	n/a	09:45	10:00	09:30				
ALS Sample ID	L628019-2	L641431-3	L654018-4	L654018-1	L675885-1	L702731-1				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	101	119	104	106	90.7	89.4				
Colour, True (CU)	26.5	8.4	6.7	6.3	7.4	<5.0				
Conductivity (µS/cm)	193	220	201	188	173	165				
pH (mg/L)	8.02	8.18	8.14	8.01	8.25	8.17				
Total Dissolved Solids (mg/L)	126	126	109	109	101	102				
Total Suspended Solids (mg/L)	162	37.7	51.5	35.5	6.2	6.5				
Turbidity (NTU)	123	25.9	19.6	17.0	4.38	9.48				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4*	<4	6.5	<4	12	<4				
Ammonia as N (mg/L)	0.021	<0.020	<0.020	<0.020	<0.020	0.043				
Acidity (to pH 8.3) CaCO3 (mg/L)	5.2	2.3	<1.0	1.3	2.5	<1.0				
Alkalinity-Total CaCO3 (mg/L)	86.5	98.8	90.2	88.8	79.7	78.4				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50				
Fluoride (F) (mg/L)	0.039	0.046	0.039	0.041	0.040	0.035				
Sulfate (SO4) (mg/L)	15.1	16	14.7	14.3	11.1	10.8				
Sulphide as S (mg/L)	0.037	0.021	<0.020	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.0715	0.0337	0.0494	0.0521	0.0481	0.0585				
Nitrate (as N) (mg/L)	0.0715	0.0337	0.0494	0.0521	0.0481	0.0585				
Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.577	0.177	0.125	0.122	0.134	0.113				
Total Nitrogen (mg/L)	0.649	0.211	0.175	0.174	0.182	0.172				
Ortho Phosphate as P (mg/L)	0.0058	<0.0010	<0.0010	<0.0010	<0.0010	0.0012				
Total Dissolved Phosphate P (mg/L)	0.0097	<0.0020	0.0024	0.0023	0.0021	0.0022				
Total Phosphate as P (mg/L)	0.158	0.0493	0.0712	0.0440	0.0120	0.0122				

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Peace 3 **Sampling Matrix: Water**

Date Sampled	08-MAY-08	11-JUN-08	09-JUL-08	09-JUL-08	28-AUG-08	30-OCT-08				
Total Metals										
Aluminum (Al)-Total (mg/L)	3.06	0.51	0.790	0.755	0.111	0.174				
Antimony (Sb)-Total (mg/L)	0.00018	0.0001	0.00011	0.00012	<0.00010	<0.00010				
Arsenic (As)-Total (mg/L)	0.00148	0.00036	0.00055	0.00058	0.00024	0.00023				
Barium (Ba)-Total (mg/L)	0.11	0.0555	0.0562	0.0605	0.0332	0.0321				
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Total (mg/L)	0.000174	0.000063	0.000075	0.000082	<0.000050	<0.000050				
Calcium (Ca)-Total (mg/L)	31.5	34.7	32.1	31.5	25.6	25.5				
Chromium (Cr)-Total (mg/L)	0.00493	0.00077	0.00161	0.00162	<0.00050	<0.00050				
Cobalt (Co)-Total (mg/L)	0.00156	0.00027	0.00043	0.00045	<0.00010	<0.00010				
Copper (Cu)-Total (mg/L)	0.00496	0.00147	0.00177	0.00198	0.00102	<0.0011				
Iron (Fe)-Total (mg/L)	3.85	0.652	0.957	0.919	0.140	0.244				
Lead (Pb)-Total (mg/L)	0.00197	0.000363	0.000545	0.000582	0.000096	0.000145				
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Total (mg/L)	7.28	8.4	7.38	7.31	5.53	5.73				
Manganese (Mn)-Total (mg/L)	0.0507	0.0132	0.0186	0.0191	0.00448	0.00582				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.000922	0.00111	0.00114	0.00116	0.000791	0.000791				
Nickel (Ni)-Total (mg/L)	0.00609	0.00176	0.00222	0.00223	0.00093	0.00075				
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Total (mg/L)	8.9	2.85	3.33	2.94	2.08	2.30				
Silver (Ag)-Total (mg/L)	0.000044	<0.000010	0.000016	0.000017	<0.000010	<0.000010				
Sodium (Na)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Total (mg/L)	0.101	0.12	0.113	0.116	0.0816	0.0790				
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Total (mg/L)	0.104	0.017	0.017	0.013	<0.010	0.011				
Uranium (U)-Total (mg/L)	0.000683	0.000481	0.000557	0.000569	0.000425	0.000414				
Vanadium (V)-Total (mg/L)	0.012	0.0023	0.0041	0.0041	<0.0010	<0.0010				
Zinc (Zn)-Total (mg/L)	0.0193	<0.0050	0.0066	<0.0070	0.0020	0.0021				

Sample Site: Peace 3 **Sampling Matrix: Water**

Date Sampled	08-MAY-08	11-JUN-08	09-JUL-08	09-JUL-08	28-AUG-08	30-OCT-08				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0411	0.0112	0.0067	0.0085	0.0069	0.0083				
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Dissolved (mg/L)	0.00028	0.00017	0.00021	0.00020	0.00020	0.00015				
Barium (Ba)-Dissolved (mg/L)	0.0383	0.0452	0.0358	0.0362	0.0295	0.0289				
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	29.7	34.4	30.1	30.9	26.8	26.2				
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Cobalt (Co)-Dissolved (mg/L)	0.00016	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Dissolved (mg/L)	0.00124	0.00065	0.00061	0.00059	0.00063	0.00060				
Iron (Fe)-Dissolved (mg/L)	0.066	<0.030	<0.030	<0.030	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Dissolved (mg/L)	6.43	8.12	6.96	6.98	5.76	5.81				
Manganese (Mn)-Dissolved (mg/L)	0.0107	0.00123	0.00147	0.00117	0.00159	0.000891				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.000854	0.00119	0.00104	0.00107	0.000728	0.000700				
Nickel (Ni)-Dissolved (mg/L)	0.00158	0.00096	0.00072	0.00062	0.00066	<0.00050				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Dissolved (mg/L)	2.14	1.9	1.93	1.99	1.99	2.01				
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Dissolved (mg/L)	0.111	0.122	0.106	0.106	0.0785	0.0753				
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.00048	0.000486	0.000458	0.000467	0.000388	0.000358				
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0011	0.0022	0.0017	0.0014	0.0024				
Organic Parameters										
Chlorophyll a (µg/L)	0.799	0.834	1.22	0.890	0.875	1.30				
Dissolved Organic Carbon (mg/L)	6.4	2.77	2.49	2.43	2.96	2.80				
Total Inorganic Carbon (mg/L)	16.5	18.8	17.8	16.8	14.1	15.4				
Total Organic Carbon (mg/L)	11.2	3.38	2.75	2.83	3.17	3.03				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Peace 4 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	08-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08				
Sample Period										
Date Sampled	25-FEB-08	08-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08				
Time Sampled	16:30	16:45	n/a	10:45	10:59	11:45				
ALS Sample ID	L605197-3	L628019-3	L641431-4	L654018-2	L675885-2	L702731-2				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	99.5	101	126	102	96.1	88.1				
Colour, True (CU)	<5.0	32.9	7.5	6.5	8.0	<5.0				
Conductivity (µS/cm)	195	192	232	194	181	166				
pH (mg/L)	8.15	8.01	8.2	8.09	8.26	8.19				
Total Dissolved Solids (mg/L)	106	125	128	103	105	101				
Total Suspended Solids (mg/L)	4.7	189	24.2	50.5	5.2	6.0				
Turbidity (NTU)	3.36	155	22.1	19.9	4.31	9.88				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4	<4 (1)	<4	<4 (2)	10	<4				
Ammonia as N (mg/L)	<0.020	0.029	<0.020	<0.020	<0.020	0.041				
Acidity (to pH 8.3) CaCO3 (mg/L)	<1.0	5.3	2.1	1.0	2.5	<1.0				
Alkalinity-Total CaCO3 (mg/L)	84	86.3	103	87.6	82.5	79.4				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50				
Fluoride (F) (mg/L)	0.039	0.04	0.048	0.035	0.041	0.035				
Sulfate (SO4) (mg/L)	13.7	14.8	17.6	14.3	11.8	10.6				
Sulphide as S (mg/L)	<0.020	0.04	<0.020	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.0521	0.0724	0.0331	0.0498	0.0516	0.0574				
Nitrate (as N) (mg/L)	0.0521	0.0724	0.0331	0.0498	0.0516	0.0574				
Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.079	0.451	0.145	0.129	0.083	0.122				
Total Nitrogen (mg/L)	0.131	0.523	0.178	0.179	0.135	0.179				
Ortho Phosphate as P (mg/L)	<0.0010	0.0055	<0.0010	<0.0010	<0.0010	0.0012				
Total Dissolved Phosphate P (mg/L)	<0.0020	0.0126	<0.0020	<0.0020	<0.0020	0.0023				
Total Phosphate as P (mg/L)	0.0071	0.195	0.0305	0.0522	0.0069	0.0121				

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Peace 4 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	08-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08				
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0996	3.41	0.411	0.361	0.0129	0.177				
Antimony (Sb)-Total (mg/L)	<0.00010	0.00019	<0.00010	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Total (mg/L)	0.00021	0.00169	0.00032	0.00038	0.00020	0.00022				
Barium (Ba)-Total (mg/L)	0.0326	0.127	0.0591	0.0478	0.0319	0.0316				
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	<0.010	0.01	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Total (mg/L)	<0.000050	0.000212	0.00006	0.000060	<0.000050	<0.000050				
Calcium (Ca)-Total (mg/L)	27.5	32.2	36.6	29.5	27.4	24.1				
Chromium (Cr)-Total (mg/L)	<0.00050	0.00603	0.00072	0.00090	<0.00050	<0.00050				
Cobalt (Co)-Total (mg/L)	<0.00010	0.00183	0.00024	0.00025	<0.00010	<0.00010				
Copper (Cu)-Total (mg/L)	0.00091	0.00584	0.00129	0.00147	0.00071	<0.0011				
Iron (Fe)-Total (mg/L)	0.13	4.93	0.491	0.478	0.038	0.257				
Lead (Pb)-Total (mg/L)	0.000074	0.00242	0.000293	0.000337	<0.000050	0.000144				
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Total (mg/L)	6.21	7.64	8.74	6.63	6.19	5.63				
Manganese (Mn)-Total (mg/L)	0.0036	0.0599	0.0112	0.0137	0.00254	0.00663				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.000879	0.000974	0.00132	0.000954	0.000842	0.000793				
Nickel (Ni)-Total (mg/L)	0.00069	0.00711	0.00162	0.00153	0.00064	0.00082				
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	<2.0	2.2	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Total (mg/L)	2.07	10.6	2.59	2.50	1.97	2.21				
Silver (Ag)-Total (mg/L)	<0.000010	0.00005	0.00001	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Total (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Total (mg/L)	0.0875	0.0977	0.136	0.106	0.0832	0.0790				
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Total (mg/L)	<0.010	0.118	0.012	0.010	<0.010	0.012				
Uranium (U)-Total (mg/L)	0.000507	0.000692	0.000522	0.000517	0.000401	0.000400				
Vanadium (V)-Total (mg/L)	<0.0010	0.0136	0.0021	0.0020	<0.0010	<0.0010				
Zinc (Zn)-Total (mg/L)	0.0014	0.0226	<0.0050	<0.0040	<0.0010	0.0019				

Sample Site: Peace 4 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	08-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0054	0.0337	0.01	0.0062	0.0324	0.0146				
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Arsenic (As)-Dissolved (mg/L)	0.00017	0.00027	0.00017	0.00021	0.00023	0.00016				
Barium (Ba)-Dissolved (mg/L)	0.029	0.0364	0.0467	0.0344	0.0326	0.0287				
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	29.3	29.9	36.3	29.9	28.0	25.7				
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	0.00074	<0.00050				
Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00012	<0.00010	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Dissolved (mg/L)	0.00071	0.00138	0.00067	0.00060	0.00059	0.00061				
Iron (Fe)-Dissolved (mg/L)	<0.030	0.077	<0.030	<0.030	0.033	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050				
Magnesium (Mg)-Dissolved (mg/L)	6.37	6.41	8.62	6.66	6.35	5.79				
Manganese (Mn)-Dissolved (mg/L)	0.00105	0.00914	0.00138	0.000956	0.000306	0.000648				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.000775	0.000815	0.00141	0.000950	0.000898	0.000732				
Nickel (Ni)-Dissolved (mg/L)	<0.00050	0.00193	0.00111	0.00063	0.00057	<0.00050				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon (Si)-Dissolved (mg/L)	2.01	2.11	1.89	2.00	2.17	2.00				
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
Strontium (Sr)-Dissolved (mg/L)	0.0936	0.0992	0.135	0.0992	0.0858	0.0761				
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.000462	0.000459	0.000505	0.000445	0.000325	0.000350				
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	0.0031	<0.0010	<0.0010				
Organic Parameters										
Chlorophyll a (µg/L)	0.444	0.751	0.759	1.12	0.606	1.44				
Dissolved Organic Carbon (mg/L)	2.17	5.2	2.64	2.47	2.93	2.41				
Total Inorganic Carbon (mg/L)	16.3	15.6	20.7	17.3	14.7	15.0				
Total Organic Carbon (mg/L)	2.41	7.75	3.22	2.77	3.17	2.98				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Peace 5 **Sampling Matrix: Water**

Date Sampled	26-FEB-08	08-MAY-08	09-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08			
Sample Period										
Date Sampled	26-FEB-08	08-MAY-08	09-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08			
Time Sampled	09:30	n/a	12:00	n/a	13:00	15:20	15:45			
ALS Sample ID	L605197-6	L628019-6	L628019-4	L641431-5	L654018-3	L675885-3	L702731-3			
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Hardness (as CaCO3) (mg/L)	97.8	63.6	63.3	112	98.6	97.9	92.1			
Colour, True (CU)	6.5	113	114	13.2	21.2	10.2	5.2			
Conductivity (µS/cm)	195	138	138	209	193	187	175			
pH (mg/L)	8.17	7.86	7.91	8.17	8.12	8.30	8.23			
Total Dissolved Solids (mg/L)	113	156	150	119	115	110	104			
Total Suspended Solids (mg/L)	17.7	1640	1440	72.2	73.5	12.7	7.5			
Turbidity (NTU)	7.03	1110	738	47.1	43.5	7.22	9.29			
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4 (1)	6.3	<4 (1)	<4	<4	<4	<4			
Ammonia as N (mg/L)	<0.020	0.044	0.069	0.024	<0.020	<0.020	0.025			
Acidity (to pH 8.3) CaCO3 (mg/L)	<1.0	6.6	6.5	2.4	<1.0	2.2	<1.0			
Alkalinity-Total CaCO3 (mg/L)	85.6	50.8	50.7	96	85.0	86.0	81.9			
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Chloride (Cl) (mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			
Fluoride (F) (mg/L)	0.04	0.059	0.06	0.046	0.040	0.045	0.036			
Sulfate (SO4) (mg/L)	13.7	17.6	17.7	13.6	15.7	12.5	11.4			
Sulphide as S (mg/L)	<0.020	0.031	0.029	0.024	<0.020	<0.020	<0.020			
Nitrate and Nitrite as N (mg/L)	0.0548	0.036	0.0362	0.0437	0.0427	0.0407	0.0522			
Nitrate (as N) (mg/L)	0.0548	0.036	0.0362	0.0437	0.0427	0.0407	0.0522			
Nitrite (as N) (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Total Kjeldahl Nitrogen (mg/L)	0.11	2.44	2.53	0.216	0.269	0.101	0.112			
Total Nitrogen (mg/L)	0.165	2.48	2.56	0.26	0.312	0.142	0.164			
Ortho Phosphate as P (mg/L)	0.0015	0.0156	0.0149	0.0015	0.0019	<0.0010	<0.0010			
Total Dissolved Phosphate P (mg/L)	0.0021	0.0397	0.0426	0.0035	0.0047	<0.0020	<0.0020			
Total Phosphate as P (mg/L)	0.0254	1.25	1.27	0.07	0.084	0.0113	0.0137			

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Peace 5 **Sampling Matrix: Water**

Date Sampled	26-FEB-08	08-MAY-08	09-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08			
Total Metals										
Aluminum (Al)-Total (mg/L)	0.313	16.8	12.9	1.55	0.577	0.155	0.0670			
Antimony (Sb)-Total (mg/L)	<0.00010	0.00046	0.00042	0.00012	0.00010	<0.00010	<0.00010			
Arsenic (As)-Total (mg/L)	0.00033	0.0125	0.0119	0.00074	0.00062	0.00024	0.00019			
Barium (Ba)-Total (mg/L)	0.0385	0.69	0.58	0.09	0.0636	0.0365	0.0340			
Beryllium (Be)-Total (mg/L)	<0.00050	0.0011	0.001	<0.00050	<0.00050	<0.00050	<0.00050			
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Boron (B)-Total (mg/L)	<0.010	0.031	0.027	<0.010	<0.010	<0.010	<0.010			
Cadmium (Cd)-Total (mg/L)	<0.000050	0.00095	0.00089	0.000106	0.000087	<0.000050	<0.000050			
Calcium (Ca)-Total (mg/L)	26.9	25.9	26.2	33.9	29.3	27.2	28.9			
Chromium (Cr)-Total (mg/L)	0.00069	0.0271	0.0243	0.00244	0.00122	<0.00050	<0.00050			
Cobalt (Co)-Total (mg/L)	0.00019	0.0144	0.0127	0.00075	0.00054	<0.00010	<0.00010			
Copper (Cu)-Total (mg/L)	0.00126	0.0354	0.0337	0.00256	0.00208	0.00105	0.00073			
Iron (Fe)-Total (mg/L)	0.44	34.8	33.2	1.88	0.987	0.195	0.107			
Lead (Pb)-Total (mg/L)	0.000218	0.0182	0.0165	0.000906	0.000694	0.000152	0.000084			
Lithium (Li)-Total (mg/L)	<0.0050	0.025	0.02	<0.0050	<0.0050	<0.0050	<0.0050			
Magnesium (Mg)-Total (mg/L)	6.23	9.82	9.62	8.08	6.79	6.31	6.23			
Manganese (Mn)-Total (mg/L)	0.0092	0.489	0.411	0.0338	0.0291	0.00578	0.00520			
Mercury (Hg)-Total (mg/L)	<0.000050	0.00012	0.00013	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum (Mo)-Total (mg/L)	0.000913	0.00181	0.00156	0.00109	0.000926	0.000885	0.000698			
Nickel (Ni)-Total (mg/L)	0.00113	0.0432	0.0401	0.00326	0.00237	0.00105	0.00055			
Phosphorus (P)-Total (mg/L)	<0.30	1.09	1.1	<0.30	<0.30	<0.30	<0.30			
Potassium (K)-Total (mg/L)	<2.0	6	5.6	<2.0	<2.0	<2.0	<2.0			
Selenium (Se)-Total (mg/L)	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon (Si)-Total (mg/L)	2.49	29.6	26.6	4.33	2.96	2.11	2.17			
Silver (Ag)-Total (mg/L)	<0.000010	0.000321	0.000281	0.000016	<0.000010	<0.000010	<0.000010			
Sodium (Na)-Total (mg/L)	<2.0	3.2	3.1	<2.0	2.3	<2.0	<2.0			
Strontium (Sr)-Total (mg/L)	0.1	0.139	0.113	0.11	0.101	0.0890	0.0794			
Thallium (Tl)-Total (mg/L)	<0.00010	0.00041	0.00036	<0.00010	<0.00010	<0.00010	<0.00010			
Tin (Sn)-Total (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Titanium (Ti)-Total (mg/L)	<0.010	0.223	0.182	0.038	0.016	<0.010	<0.010			
Uranium (U)-Total (mg/L)	0.000506	0.00216	0.00196	0.000446	0.000520	0.000469	0.000366			
Vanadium (V)-Total (mg/L)	0.0016	0.0548	0.0506	0.0059	0.0029	<0.0010	<0.0010			
Zinc (Zn)-Total (mg/L)	0.0027	0.14	0.137	0.0101	<0.0060	0.0019	<0.0010			

Sample Site: Peace 5 **Sampling Matrix: Water**

Date Sampled	26-FEB-08	08-MAY-08	09-MAY-08	11-JUN-08	09-JUL-08	28-AUG-08	30-OCT-08			
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0081	0.109	0.17	0.022	0.0211	0.0082	0.0084			
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Arsenic (As)-Dissolved (mg/L)	0.00019	0.00048	0.00061	0.00019	0.00027	0.00020	0.00015			
Barium (Ba)-Dissolved (mg/L)	0.0293	0.0323	0.0383	0.0527	0.0402	0.0352	0.0315			
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Boron (B)-Dissolved (mg/L)	<0.010	<0.020	<0.020	<0.010	<0.010	<0.010	<0.010			
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.00010	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Calcium (Ca)-Dissolved (mg/L)	28.7	18.3	18.2	32.7	28.7	28.5	26.7			
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00044	0.00048	<0.00010	<0.00010	<0.00010	<0.00010			
Copper (Cu)-Dissolved (mg/L)	0.00062	0.00298	0.00349	0.00078	0.00091	0.00063	0.00067			
Iron (Fe)-Dissolved (mg/L)	<0.030	0.515	0.582	0.046	0.072	<0.030	<0.030			
Lead (Pb)-Dissolved (mg/L)	<0.000050	0.0002	0.00029	<0.000050	<0.000050	<0.000050	<0.000050			
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050			
Magnesium (Mg)-Dissolved (mg/L)	6.33	4.38	4.34	7.5	6.55	6.50	6.16			
Manganese (Mn)-Dissolved (mg/L)	0.00188	0.0342	0.0376	0.00263	0.00349	0.000671	0.000715			
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.00010	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum (Mo)-Dissolved (mg/L)	0.000731	0.00052	0.00057	0.00097	0.000931	0.000842	0.000719			
Nickel (Ni)-Dissolved (mg/L)	0.00053	0.0035	0.0039	0.00105	0.00096	0.00062	<0.00050			
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30			
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon (Si)-Dissolved (mg/L)	2.01	2.21	2.3	1.73	2.03	1.90	1.97			
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000020	<0.000020	<0.000010	<0.000010	<0.000010	<0.000010			
Sodium (Na)-Dissolved (mg/L)	<2.0	2.8	2.9	<2.0	2.4	<2.0	<2.0			
Strontium (Sr)-Dissolved (mg/L)	0.0933	0.0619	0.0701	0.106	0.0958	0.0858	0.0775			
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010			
Uranium (U)-Dissolved (mg/L)	0.000465	0.00036	0.000386	0.000376	0.000452	0.000380	0.000355			
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	0.0014	0.0023	<0.0010	0.0013			
Organic Parameters										
Chlorophyll a (µg/L)	0.714	0.484	0.0929	0.418	1.19	0.756	1.02			
Dissolved Organic Carbon (mg/L)	2.21	18.4	18.5	3.56	4.67	3.03	2.44			
Total Inorganic Carbon (mg/L)	16.7	6.75	6.7	19.5	15.2	15.3	15.4			
Total Organic Carbon (mg/L)	2.53	34.3	35.1	5.18	5.30	3.36	2.93			

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Moberly 6 **Sampling Matrix: Water**

Date Sampled	27-FEB-08	27-FEB-08	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08			
Sample Period										
Date Sampled	27-FEB-08	27-FEB-08	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08			
Time Sampled	11:15	11:15	11:05	15:15	14:45	17:30	15:40			
ALS Sample ID	L605645-2	L605645-1	L626941-4	L642455-3	L655065-2	L676302-2	L702261-1			
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Hardness (as CaCO3) (mg/L)	127	128	105	87.8	93.3	104	108			
Colour, True (CU)	15.6	14.4	53.9	21.6	15.9	13.0	10.3			
Conductivity (µS/cm)	238	235	200	174	180	194	197			
pH (mg/L)	7.87	7.56	7.99	8.18	8.16	8.37	8.06			
Total Dissolved Solids (mg/L)	139	130	161	112	111	111	121			
Total Suspended Solids (mg/L)	7.3	7.3	710	66.2	14.8	<3.0	<3.0			
Turbidity (NTU)	3.41	3.9	772	27.4	8.28	1.50	2.85			
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4 (1)	<4 (1)	5.4	<4	10	5.0	<4			
Ammonia as N (mg/L)	<0.020	<0.020	0.048	<0.020	<0.020	<0.020	0.040			
Acidity (to pH 8.3) CaCO3 (mg/L)	4.4	5.3	2.4	1	<1.0	<1.0	<1.0			
Alkalinity-Total CaCO3 (mg/L)	122	122	102	80.1	92.2	97.8	104			
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Chloride (Cl) (mg/L)	<0.50	<0.50	0.77	<0.50	<0.50	<0.50	<0.50			
Fluoride (F) (mg/L)	0.07	0.07	0.071	0.062	0.056	0.069	0.061			
Sulfate (SO4) (mg/L)	8.87	8.84	6.42	5.93	6.18	6.83	7.70			
Sulphide as S (mg/L)	<0.020	<0.020	<0.020	0.026	<0.020	<0.020	<0.020			
Nitrate and Nitrite as N (mg/L)	0.0817	0.0816	0.117	<0.0050	<0.0050	<0.0050	<0.0050			
Nitrate (as N) (mg/L)	0.0817	0.0816	0.115	<0.0050	<0.0050	<0.0050	<0.0050			
Nitrite (as N) (mg/L)	<0.0010	<0.0010	0.0021	<0.0010	<0.0010	<0.0010	<0.0010			
Total Kjeldahl Nitrogen (mg/L)	0.257	0.277	2.33	0.347	0.344	0.169	0.183			
Total Nitrogen (mg/L)	0.339	0.359	2.45	0.347	0.344	0.169	0.183			
Ortho Phosphate as P (mg/L)	0.001	0.0011	0.0122	<0.0010	0.0025	<0.0010	<0.0010			
Total Dissolved Phosphate P (mg/L)	0.0035	0.003	0.0269	0.0146	0.0040	<0.0020	0.0033			
Total Phosphate as P (mg/L)	0.0148	0.0137	0.84	0.124	0.0212	0.0046	0.0068			

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Moberly 6 **Sampling Matrix: Water**

Date Sampled	27-FEB-08	27-FEB-08	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08			
Total Metals										
Aluminum (Al)-Total (mg/L)	0.186	0.159	10.7	0.36	0.172	0.0364	0.0519			
Antimony (Sb)-Total (mg/L)	<0.00010	<0.00010	0.00047	<0.00010	<0.00010	<0.00010	<0.00010			
Arsenic (As)-Total (mg/L)	0.00027	0.00025	0.00559	0.00036	0.00028	0.00026	0.00018			
Barium (Ba)-Total (mg/L)	0.148	0.142	0.611	0.136	0.116	0.107	0.106			
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Boron (B)-Total (mg/L)	<0.010	<0.010	0.024	<0.010	<0.010	<0.010	<0.010			
Cadmium (Cd)-Total (mg/L)	<0.000050	<0.000050	0.00067	<0.000050	<0.000050	<0.000050	0.000066			
Calcium (Ca)-Total (mg/L)	34.2	33.9	37	24.1	25.3	28.8	28.8			
Chromium (Cr)-Total (mg/L)	<0.00050	<0.00050	0.0205	0.00084	<0.00050	<0.00050	<0.00050			
Cobalt (Co)-Total (mg/L)	0.0001	<0.00010	0.00799	0.00028	0.00011	<0.00010	<0.00010			
Copper (Cu)-Total (mg/L)	<0.0012	<0.0012	0.0214	0.00147	0.00124	0.00076	<0.00090			
Iron (Fe)-Total (mg/L)	0.329	0.31	18.4	0.567	0.241	0.072	0.116			
Lead (Pb)-Total (mg/L)	0.00017	0.00015	0.0113	0.000406	0.000155	<0.000050	0.000084			
Lithium (Li)-Total (mg/L)	<0.0050	<0.0050	0.016	0.0054	<0.0050	<0.0050	<0.0050			
Magnesium (Mg)-Total (mg/L)	9.58	9.48	11.4	7.01	7.37	8.25	8.27			
Manganese (Mn)-Total (mg/L)	0.00726	0.00689	0.295	0.0183	0.0109	0.00470	0.00399			
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum (Mo)-Total (mg/L)	0.00048	0.000426	0.00083	0.000301	0.000383	0.000365	0.000384			
Nickel (Ni)-Total (mg/L)	<0.0016	<0.0015	0.0273	0.00219	0.00149	0.00093	0.00105			
Phosphorus (P)-Total (mg/L)	<0.30	<0.30	0.73	<0.30	<0.30	<0.30	<0.30			
Potassium (K)-Total (mg/L)	<2.0	<2.0	5.5	<2.0	<2.0	<2.0	<2.0			
Selenium (Se)-Total (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon (Si)-Total (mg/L)	2.07	2.08	25.9	1.99	1.47	1.11	1.20			
Silver (Ag)-Total (mg/L)	<0.000010	<0.000010	0.00026	<0.000010	<0.000010	<0.000010	<0.000010			
Sodium (Na)-Total (mg/L)	2.3	2.3	2.1	<2.0	<2.0	<2.0	<2.0			
Strontium (Sr)-Total (mg/L)	0.0758	0.0745	0.0975	0.0608	0.0569	0.0542	0.0558			
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00010	0.00027	<0.00010	<0.00010	<0.00010	<0.00010			
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Titanium (Ti)-Total (mg/L)	<0.010	<0.010	0.267	0.011	<0.010	<0.010	<0.010			
Uranium (U)-Total (mg/L)	0.000227	0.00021	0.000966	0.000155	0.000141	0.000136	0.000166			
Vanadium (V)-Total (mg/L)	<0.0010	<0.0010	0.0409	0.0016	<0.0010	<0.0010	<0.0010			
Zinc (Zn)-Total (mg/L)	<0.0030	<0.0030	0.0995	0.0115	<0.0040	<0.0010	<0.0015			

Sample Site: Moberly 6 **Sampling Matrix: Water**

Date Sampled	27-FEB-08	27-FEB-08	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08			
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0083	0.0088	0.0762	0.0127	0.0058	0.0017	0.0014			
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Arsenic (As)-Dissolved (mg/L)	0.0002	0.00017	0.0005	0.00022	0.00021	0.00024	0.00017			
Barium (Ba)-Dissolved (mg/L)	0.132	0.13	0.124	0.113	0.104	0.106	0.104			
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010			
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Calcium (Ca)-Dissolved (mg/L)	34.8	35.1	29.7	23.7	25.3	28.3	29.3			
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050			
Cobalt (Co)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Copper (Cu)-Dissolved (mg/L)	0.00084	0.00079	0.00215	0.00103	0.00075	0.00072	0.00067			
Iron (Fe)-Dissolved (mg/L)	0.066	0.068	0.154	0.085	<0.030	<0.030	<0.030			
Lead (Pb)-Dissolved (mg/L)	<0.000050	<0.000050	0.00017	<0.000050	<0.000050	<0.000050	<0.000050			
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050			
Magnesium (Mg)-Dissolved (mg/L)	9.81	9.82	7.44	6.93	7.34	8.11	8.42			
Manganese (Mn)-Dissolved (mg/L)	0.00287	0.00286	0.0168	0.000943	0.000704	0.00117	0.00196			
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum (Mo)-Dissolved (mg/L)	0.000389	0.000373	0.00043	0.000325	0.000323	0.000378	0.000375			
Nickel (Ni)-Dissolved (mg/L)	0.00111	0.00103	0.0041	0.00137	0.00089	0.00079	0.00085			
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30			
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon (Si)-Dissolved (mg/L)	1.8	1.76	1.45	1.38	1.16	0.995	1.14			
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000020	<0.000010	<0.000010	<0.000010	<0.000010			
Sodium (Na)-Dissolved (mg/L)	2.4	2.4	<2.0	<2.0	<2.0	<2.0	<2.0			
Strontium (Sr)-Dissolved (mg/L)	0.0714	0.0681	0.0673	0.0578	0.0496	0.0549	0.0550			
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010			
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Uranium (U)-Dissolved (mg/L)	0.000185	0.000184	0.000325	0.000128	0.000124	0.000135	0.000145			
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010			
Zinc (Zn)-Dissolved (mg/L)	<0.0010	<0.0010	0.0297	0.0053	0.0027	<0.0010	<0.0010			
Organic Parameters										
Chlorophyll a (µg/L)	0.329	0.323	1.14	1.32	0.751	0.455	0.278			
Dissolved Organic Carbon (mg/L)	5.39	5.36	11	5.86	5.25	5.33	5.19			
Total Inorganic Carbon (mg/L)	27.7	27.4	18.6	15.4	14.5	19.8	20.7			
Total Organic Carbon (mg/L)	5.7	5.68	27	6.97	5.65	5.75	5.49			

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Moberly 7 **Sampling Matrix: Water**

Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Sample Period										
Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Time Sampled	13:22	11:55	12:00	12:00	12:00					
ALS Sample ID	L626941-5	L642455-4	L655065-1	L676302-3	L702261-2					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	116	95.3	106	130	148					
Colour, True (CU)	41.4	35.8	14.6	9.9	5.9					
Conductivity (µS/cm)	218	896	195	238	267					
pH (mg/L)	8.06	8.36	8.06	8.39	8.27					
Total Dissolved Solids (mg/L)	141	637	124	136	157					
Total Suspended Solids (mg/L)	407	58.7	17.3	<3.0	48.7					
Turbidity (NTU)	229	75.3	15.5	3.25	2.90					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	4.7	9.9	<4	<4	<7					
Ammonia as N (mg/L)	0.034	0.025	<0.020	<0.020	<0.020					
Acidity (to pH 8.3) CaCO3 (mg/L)	2	<1.0	1.7	<1.0	<1.0					
Alkalinity-Total CaCO3 (mg/L)	106	237	102	120	136					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	0.87	4.99	<0.50	<0.50	<0.50					
Fluoride (F) (mg/L)	0.077	0.309	0.060	0.078	0.068					
Sulfate (SO4) (mg/L)	10.4	245	7.50	10.0	13.6					
Sulphide as S (mg/L)	0.031	0.026	<0.020	<0.020	<0.020					
Nitrate and Nitrite as N (mg/L)	0.124	<0.0050	<0.0050	<0.0050	<0.0050					
Nitrate (as N) (mg/L)	0.122	<0.0050	<0.0050	<0.0050	<0.0050					
Nitrite (as N) (mg/L)	0.0017	0.0013	<0.0010	<0.0010	<0.0010					
Total Kjeldahl Nitrogen (mg/L)	1.31	1.09	0.398	0.158	0.282					
Total Nitrogen (mg/L)	1.43	1.09	0.398	0.158	0.282					
Ortho Phosphate as P (mg/L)	0.0078	<0.0010	0.0026	<0.0010	<0.0010					
Total Dissolved Phosphate P (mg/L)	0.017	0.0078	0.0049	0.0021	0.0026					
Total Phosphate as P (mg/L)	0.33	0.13	0.0247	0.0085	0.0082					

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Moberly 7 **Sampling Matrix: Water**

Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Total Metals										
Aluminum (Al)-Total (mg/L)	7.74	2.07	0.492	0.235	0.231					
Antimony (Sb)-Total (mg/L)	0.00045	0.00016	0.00010	<0.00010	<0.00010					
Arsenic (As)-Total (mg/L)	0.00506	0.00098	0.00042	0.00038	0.00037					
Barium (Ba)-Total (mg/L)	0.321	0.168	0.126	0.135	0.131					
Beryllium (Be)-Total (mg/L)	0.00062	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Total (mg/L)	0.026	<0.010	<0.010	<0.010	<0.010					
Cadmium (Cd)-Total (mg/L)	0.000743	0.000091	<0.000050	<0.000050	0.00108					
Calcium (Ca)-Total (mg/L)	37.5	28.4	29.0	36.2	41.9					
Chromium (Cr)-Total (mg/L)	0.0152	0.00361	0.00097	0.00062	<0.00050					
Cobalt (Co)-Total (mg/L)	0.00597	0.00099	0.00025	0.00022	0.00023					
Copper (Cu)-Total (mg/L)	0.0181	0.00339	0.00155	0.00137	0.00110					
Iron (Fe)-Total (mg/L)	12.5	2.46	0.542	0.324	0.411					
Lead (Pb)-Total (mg/L)	0.0075	0.00125	0.000304	0.000296	0.000189					
Lithium (Li)-Total (mg/L)	0.013	<0.0050	<0.0050	<0.0050	<0.0050					
Magnesium (Mg)-Total (mg/L)	9.95	7.84	7.90	9.96	11.3					
Manganese (Mn)-Total (mg/L)	0.2	0.0409	0.0156	0.0327	0.0451					
Mercury (Hg)-Total (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.00203	0.000522	0.000454	0.000575	0.000619					
Nickel (Ni)-Total (mg/L)	0.0227	0.00469	0.00185	0.00156	0.00145					
Phosphorus (P)-Total (mg/L)	0.59	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Total (mg/L)	4.6	<2.0	<2.0	<2.0	<2.0					
Selenium (Se)-Total (mg/L)	0.0015	<0.0010	<0.0010	<0.0010	<0.0010					
Silicon (Si)-Total (mg/L)	18.8	5.99	2.14	1.54	1.84					
Silver (Ag)-Total (mg/L)	0.000178	0.000037	0.000019	0.000016	<0.000010					
Sodium (Na)-Total (mg/L)	3.6	<2.0	<2.0	2.9	2.9					
Strontium (Sr)-Total (mg/L)	0.137	0.0677	0.0633	0.0781	0.0833					
Thallium (Tl)-Total (mg/L)	0.00023	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Total (mg/L)	0.00011	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Total (mg/L)	0.208	0.058	0.012	<0.010	<0.010					
Uranium (U)-Total (mg/L)	0.00117	0.000377	0.000192	0.000263	0.000329					
Vanadium (V)-Total (mg/L)	0.0346	0.0082	0.0022	0.0011	<0.0010					
Zinc (Zn)-Total (mg/L)	0.0723	0.0122	0.0047	0.0032	<0.0040					

Sample Site: Moberly 7 **Sampling Matrix: Water**

Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0526	0.0157	0.0119	<0.0050	0.0085					
Antimony (Sb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Arsenic (As)-Dissolved (mg/L)	0.00036	0.00024	0.00021	0.00025	0.00019					
Barium (Ba)-Dissolved (mg/L)	0.0999	0.112	0.110	0.116	0.116					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050					
Calcium (Ca)-Dissolved (mg/L)	32.8	26.3	29.4	35.9	41.0					
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Cobalt (Co)-Dissolved (mg/L)	0.00013	<0.00010	<0.00010	<0.00010	<0.00010					
Copper (Cu)-Dissolved (mg/L)	0.00187	0.00101	0.00075	0.00066	0.00061					
Iron (Fe)-Dissolved (mg/L)	0.076	0.037	<0.030	<0.030	<0.030					
Lead (Pb)-Dissolved (mg/L)	0.000078	<0.000050	<0.000050	<0.000050	<0.000050					
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050					
Magnesium (Mg)-Dissolved (mg/L)	8.23	7.22	7.98	9.81	11.1					
Manganese (Mn)-Dissolved (mg/L)	0.00725	0.000508	0.00100	0.00402	0.0123					
Mercury (Hg)-Dissolved (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.000416	0.000348	0.000374	0.000490	0.000520					
Nickel (Ni)-Dissolved (mg/L)	0.00266	0.00128	0.00087	0.00111	0.00087					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0					
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Silicon (Si)-Dissolved (mg/L)	1.44	1.45	1.29	1.13	1.34					
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010					
Sodium (Na)-Dissolved (mg/L)	2.3	<2.0	<2.0	2.8	2.8					
Strontium (Sr)-Dissolved (mg/L)	0.0734	0.0609	0.0560	0.0704	0.0788					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.00032	0.000159	0.000157	0.000209	0.000279					
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Zinc (Zn)-Dissolved (mg/L)	0.001	<0.0010	0.0029	<0.0010	<0.0010					
Organic Parameters										
Chlorophyll a (µg/L)	1.66	9.24	0.497	0.422	3.25					
Dissolved Organic Carbon (mg/L)	9.25	16.6	5.04	4.40	3.65					
Total Inorganic Carbon (mg/L)	21.8	48.9	16.2	25.6	29.4					
Total Organic Carbon (mg/L)	13.7	17.9	5.43	4.71	4.20					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Halfway 8 **Sampling Matrix: Water**

Date Sampled	07-MAY-08	12-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08					
Sample Period										
Date Sampled	07-MAY-08	12-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08					
Time Sampled	11:10	18:20	16:00	14:00	12:00					
ALS Sample ID	L626941-8	L641885-2	L654448-4	L675117-2	L703077-3					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	111	298	196	212	250					
Colour, True (CU)	133	32.6	10.5	22.5	<5.0					
Conductivity (µS/cm)	214	542	357	359	431					
pH (mg/L)	7.93	8.49	8.32	8.29	8.33					
Total Dissolved Solids (mg/L)	169	348	213	225	265					
Total Suspended Solids (mg/L)	702	132	34.3	18.5	<3.0					
Turbidity (NTU)	540	93.1	35.2	28.0	4.02					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	12	<4 (3)	5.0	<4	<4					
Ammonia as N (mg/L)	0.065	<0.020	0.030	<0.020	<0.020					
Acidity (to pH 8.3) CaCO3 (mg/L)	2.5	<1.0	<1.0	<1.0	<1.0					
Alkalinity-Total CaCO3 (mg/L)	86.5	286	162	165	205					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	0.65	<0.50	<0.50	<0.50	<0.50					
Fluoride (F) (mg/L)	0.093	0.194	0.081	0.094	0.090					
Sulfate (SO4) (mg/L)	23.8	38.1	34.2	32.9	46.5					
Sulphide as S (mg/L)	<0.020	0.027	<0.020	<0.020	<0.020					
Nitrate and Nitrite as N (mg/L)	0.0938	0.02	<0.0050	<0.0050	<0.0050					
Nitrate (as N) (mg/L)	0.0925	0.02	<0.0050	<0.0050	<0.0050					
Nitrite (as N) (mg/L)	0.0013	<0.0010	<0.0010	<0.0010	<0.0010					
Total Kjeldahl Nitrogen (mg/L)	0.84	0.769	0.172	0.151	0.077					
Total Nitrogen (mg/L)	0.934	0.789	0.172	0.151	0.077					
Ortho Phosphate as P (mg/L)	0.0165	0.0071	0.0018	0.0025	0.0013					
Total Dissolved Phosphate P (mg/L)	0.0474	0.0075	<0.0020	0.0043	0.0029					
Total Phosphate as P (mg/L)	0.87	0.0156	0.0468	0.038	0.0068					

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Halfway 8 **Sampling Matrix: Water**

Date Sampled	07-MAY-08	12-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08					
Total Metals										
Aluminum (Al)-Total (mg/L)	7.99	1.47	0.440	0.335	0.0631					
Antimony (Sb)-Total (mg/L)	0.00046	0.00029	0.00020	0.00020	0.00015					
Arsenic (As)-Total (mg/L)	0.00555	0.00188	0.00045	0.00040	0.00021					
Barium (Ba)-Total (mg/L)	0.371	0.157	0.0912	0.0931	0.0797					
Beryllium (Be)-Total (mg/L)	0.0006	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Total (mg/L)	0.025	0.025	0.013	0.012	0.011					
Cadmium (Cd)-Total (mg/L)	0.000863	0.000232	0.000090	0.000077	<0.000050					
Calcium (Ca)-Total (mg/L)	44.4	75.1	56.4	58.2	71.9					
Chromium (Cr)-Total (mg/L)	0.0151	0.00289	0.00123	0.00081	<0.00070					
Cobalt (Co)-Total (mg/L)	0.00687	0.00133	0.00029	0.00027	<0.00010					
Copper (Cu)-Total (mg/L)	0.0199	0.00422	0.00154	<0.0015	0.00043					
Iron (Fe)-Total (mg/L)	13.6	2.82	0.516	0.530	0.144					
Lead (Pb)-Total (mg/L)	0.00798	0.00125	0.000403	0.000343	0.000060					
Lithium (Li)-Total (mg/L)	0.014	0.0146	0.0061	0.0061	0.0070					
Magnesium (Mg)-Total (mg/L)	11.8	32.2	14.2	15.1	17.5					
Manganese (Mn)-Total (mg/L)	0.237	0.0682	0.0143	0.0129	0.00695					
Mercury (Hg)-Total (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.00218	0.00262	0.00357	0.00366	0.00400					
Nickel (Ni)-Total (mg/L)	0.0241	0.00592	0.00235	0.00242	0.00142					
Phosphorus (P)-Total (mg/L)	0.67	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Total (mg/L)	4.5	2.9	<2.0	<2.0	<2.0					
Selenium (Se)-Total (mg/L)	0.0016	<0.0010	0.0015	0.0012	0.0019					
Silicon (Si)-Total (mg/L)	17.7	8.04	2.37	2.77	1.80					
Silver (Ag)-Total (mg/L)	0.000182	0.000031	0.000040	<0.000010	<0.000010					
Sodium (Na)-Total (mg/L)	3.5	8.9	<2.0	2.5	2.8					
Strontium (Sr)-Total (mg/L)	0.154	0.243	0.257	0.230	0.277					
Thallium (Tl)-Total (mg/L)	0.00024	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Total (mg/L)	0.00016	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Total (mg/L)	0.183	0.075	0.013	0.017	<0.010					
Uranium (U)-Total (mg/L)	0.00129	0.00186	0.000794	0.000691	0.000853					
Vanadium (V)-Total (mg/L)	0.0361	0.0079	0.0026	0.0023	<0.0010					
Zinc (Zn)-Total (mg/L)	0.0806	0.0162	0.0051	0.0043	0.0023					

Sample Site: Halfway 8 **Sampling Matrix: Water**

Date Sampled	07-MAY-08	12-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.091	0.0278	0.0134	0.0168	0.0016					
Antimony (Sb)-Dissolved (mg/L)	0.00016	0.00017	0.00017	0.00017	0.00013					
Arsenic (As)-Dissolved (mg/L)	0.00041	0.00094	0.00025	0.00024	0.00016					
Barium (Ba)-Dissolved (mg/L)	0.0498	0.115	0.0740	0.0770	0.0765					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Dissolved (mg/L)	0.012	0.023	0.011	0.010	0.010					
Cadmium (Cd)-Dissolved (mg/L)	0.000083	<0.000050	<0.000050	<0.000050	<0.000050					
Calcium (Ca)-Dissolved (mg/L)	32.2	68.9	55.7	60.8	71.1					
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.00060	0.00063	<0.00050	<0.00070					
Cobalt (Co)-Dissolved (mg/L)	0.00047	0.00031	<0.00010	<0.00010	<0.00010					
Copper (Cu)-Dissolved (mg/L)	0.00315	0.00166	0.00061	0.00075	0.00035					
Iron (Fe)-Dissolved (mg/L)	0.249	<0.030	<0.030	0.032	0.037					
Lead (Pb)-Dissolved (mg/L)	0.000125	<0.000050	<0.000050	<0.000050	<0.000050					
Lithium (Li)-Dissolved (mg/L)	<0.0050	0.0131	0.0055	0.0055	0.0068					
Magnesium (Mg)-Dissolved (mg/L)	7.53	30.6	13.9	14.6	17.5					
Manganese (Mn)-Dissolved (mg/L)	0.0386	0.0127	0.00348	0.00550	0.00551					
Mercury (Hg)-Dissolved (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.00127	0.00255	0.00369	0.00348	0.00400					
Nickel (Ni)-Dissolved (mg/L)	0.00438	0.00294	0.00133	0.00148	0.00133					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	<2.0	2.4	<2.0	<2.0	<2.0					
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	0.0019	0.0014	0.0018					
Silicon (Si)-Dissolved (mg/L)	2.05	4.08	1.68	1.95	1.65					
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010					
Sodium (Na)-Dissolved (mg/L)	3.4	8.7	2.0	2.2	3.0					
Strontium (Sr)-Dissolved (mg/L)	0.107	0.229	0.248	0.216	0.272					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.000463	0.00169	0.000726	0.000607	0.000852					
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Zinc (Zn)-Dissolved (mg/L)	0.0446	0.0058	0.0032	<0.0010	<0.0010					
Organic Parameters										
Chlorophyll a (µg/L)	0.164	0.749	0.406	0.197	0.216					
Dissolved Organic Carbon (mg/L)	22.7	11	2.97	5.53	1.86					
Total Inorganic Carbon (mg/L)	17.5	64	31.0	36.7	44.1					
Total Organic Carbon (mg/L)	34.1	11.6	3.77	6.08	2.12					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Halfway 9 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	07-MAY-08	12-JUN-08	10-JUL-01	27-AUG-08	31-OCT-08				
Sample Period										
Date Sampled	25-FEB-08	07-MAY-08	12-JUN-08	10-JUL-01	27-AUG-08	31-OCT-08				
Time Sampled	14:00	09:50	16:45	14:15	12:15	13:41				
ALS Sample ID	L605197-5	L626941-7	L641885-3	L654448-5	L675117-3	L703077-4				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	259	105	191	198	210	253				
Colour, True (CU)	<5.0	137	12	9.9	22.9	<5.0				
Conductivity (µS/cm)	481	200	345	356	359	433				
pH (mg/L)	8.09	7.9	8.37	8.36	8.30	8.37				
Total Dissolved Solids (mg/L)	282	174	208	214	227	268				
Total Suspended Solids (mg/L)	<3.0	497	96.2	43.3	41.0	6.8				
Turbidity (NTU)	3.45	596	65	48.7	51.5	11.2				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4	15	<4	<4	<4	4.6				
Ammonia as N (mg/L)	<0.020	0.054	<0.020	0.045	<0.020	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	2.5	2.6	<1.0	<1.0	<1.0	<1.0				
Alkalinity-Total CaCO3 (mg/L)	213	81.6	166	160	163	199				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	0.75	0.68	<0.50	<0.50	<0.50	<0.50				
Fluoride (F) (mg/L)	0.095	0.088	0.089	0.083	0.093	0.089				
Sulfate (SO4) (mg/L)	50.7	22.6	30.1	34.7	32.7	46.7				
Sulphide as S (mg/L)	<0.020	0.022	0.028	0.025	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.09	0.0839	0.0056	<0.0050	<0.0050	<0.0050				
Nitrate (as N) (mg/L)	0.09	0.0825	0.0056	<0.0050	<0.0050	<0.0050				
Nitrite (as N) (mg/L)	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.112	1.95	0.264	0.208	0.235	0.065				
Total Nitrogen (mg/L)	0.202	2.04	0.27	0.208	0.235	0.065				
Ortho Phosphate as P (mg/L)	0.0032	0.0157	0.0021	0.0013	0.0027	0.0014				
Total Dissolved Phosphate P (mg/L)	0.0033	0.0511	0.0058	<0.0020	0.0047	0.0032				
Total Phosphate as P (mg/L)	0.0064	0.65	0.0106	0.0644	0.116	0.0104				

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Halfway 9 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	07-MAY-08	12-JUN-08	10-JUL-01	27-AUG-08	31-OCT-08				
Total Metals										
Aluminum (Al)-Total (mg/L)	0.0344	5.65	1.42	1.16	0.375	0.111				
Antimony (Sb)-Total (mg/L)	0.00012	0.0003	0.00024	0.00023	0.00019	0.00018				
Arsenic (As)-Total (mg/L)	0.00015	0.00341	0.00081	0.00064	0.00050	0.00025				
Barium (Ba)-Total (mg/L)	0.0859	0.308	0.0982	0.0972	0.0981	0.0792				
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	<0.010	0.018	0.011	0.014	0.012	0.010				
Cadmium (Cd)-Total (mg/L)	<0.000050	0.000316	0.000142	0.000097	0.000115	<0.000050				
Calcium (Ca)-Total (mg/L)	71.7	38.4	53.9	56.3	58.9	73.0				
Chromium (Cr)-Total (mg/L)	<0.00050	0.0101	0.00282	0.00244	0.00089	<0.00080				
Cobalt (Co)-Total (mg/L)	<0.00010	0.00371	0.00071	0.00050	0.00041	<0.00010				
Copper (Cu)-Total (mg/L)	0.00047	0.0114	0.00266	0.00230	0.00206	0.00059				
Iron (Fe)-Total (mg/L)	0.049	8.56	1.81	1.10	0.695	0.197				
Lead (Pb)-Total (mg/L)	<0.000050	0.00519	0.000965	0.000664	0.000533	0.000108				
Lithium (Li)-Total (mg/L)	0.007	0.0098	0.0063	0.0066	0.0061	0.0067				
Magnesium (Mg)-Total (mg/L)	19.2	10.4	14.6	14.4	14.7	17.6				
Manganese (Mn)-Total (mg/L)	0.00311	0.155	0.0278	0.0200	0.0204	0.00713				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.0032	0.000874	0.00315	0.00378	0.00336	0.00394				
Nickel (Ni)-Total (mg/L)	0.00098	0.0135	0.00348	0.00302	0.00265	0.00139				
Phosphorus (P)-Total (mg/L)	<0.30	0.36	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	<2.0	3.4	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Total (mg/L)	0.0022	<0.0010	0.0012	0.0015	0.0012	0.0020				
Silicon (Si)-Total (mg/L)	2.09	12.4	5.32	3.86	2.74	1.95				
Silver (Ag)-Total (mg/L)	<0.000010	0.000117	0.000028	0.000020	<0.000010	<0.000010				
Sodium (Na)-Total (mg/L)	3.9	2.4	2.1	2.2	2.5	2.8				
Strontium (Sr)-Total (mg/L)	0.306	0.0948	0.208	0.251	0.225	0.273				
Thallium (Tl)-Total (mg/L)	<0.00010	0.00015	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Total (mg/L)	<0.00010	0.0001	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Total (mg/L)	<0.010	0.118	0.058	0.035	0.017	0.013				
Uranium (U)-Total (mg/L)	0.000872	0.000648	0.000801	0.000813	0.000689	0.000827				
Vanadium (V)-Total (mg/L)	<0.0010	0.0221	0.0073	0.0056	0.0025	<0.0010				
Zinc (Zn)-Total (mg/L)	0.0013	0.0431	0.012	0.0077	0.0058	0.0018				

Sample Site: Halfway 9 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	07-MAY-08	12-JUN-08	10-JUL-01	27-AUG-08	31-OCT-08				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0048	0.69	0.0175	0.0110	0.0175	0.0025				
Antimony (Sb)-Dissolved (mg/L)	0.00013	0.00017	0.00017	0.00018	0.00017	0.00013				
Arsenic (As)-Dissolved (mg/L)	0.00013	0.0006	0.00023	0.00025	0.00026	0.00017				
Barium (Ba)-Dissolved (mg/L)	0.0852	0.0674	0.0598	0.0711	0.0754	0.0756				
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	<0.010	0.013	<0.010	0.011	0.011	0.010				
Cadmium (Cd)-Dissolved (mg/L)	<0.000050	0.000109	<0.000050	<0.000050	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	72	30.5	53.5	56.0	60.1	71.9				
Chromium (Cr)-Dissolved (mg/L)	<0.00050	0.00135	<0.00050	0.00051	<0.00050	<0.00060				
Cobalt (Co)-Dissolved (mg/L)	<0.00010	0.00069	<0.00010	<0.00010	<0.00010	<0.00010				
Copper (Cu)-Dissolved (mg/L)	0.0004	0.00386	0.00078	0.00070	0.00097	0.00036				
Iron (Fe)-Dissolved (mg/L)	0.042	0.806	<0.030	<0.030	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.000050	0.000488	<0.000050	<0.000050	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	0.007	<0.0050	<0.0050	0.0055	0.0054	0.0067				
Magnesium (Mg)-Dissolved (mg/L)	19.2	7.12	14	14.1	14.7	17.8				
Manganese (Mn)-Dissolved (mg/L)	0.00198	0.0443	0.00444	0.00198	0.00498	0.00367				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.00336	0.00109	0.00306	0.00355	0.00340	0.00401				
Nickel (Ni)-Dissolved (mg/L)	0.00101	0.00529	0.00117	0.00120	0.00153	0.00133				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	<2.0	2.2	<2.0	<2.0	<2.0	<2.0				
Selenium (Se)-Dissolved (mg/L)	0.0021	<0.0010	0.0015	0.0017	0.0013	0.0019				
Silicon (Si)-Dissolved (mg/L)	1.99	4.26	1.65	1.70	1.94	1.65				
Silver (Ag)-Dissolved (mg/L)	<0.000010	0.000016	<0.000010	<0.000010	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	4	3.4	2.2	2.2	2.3	2.9				
Strontium (Sr)-Dissolved (mg/L)	0.309	0.1	0.196	0.238	0.216	0.273				
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	0.044	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.000879	0.000494	0.000645	0.000724	0.000599	0.000809				
Vanadium (V)-Dissolved (mg/L)	<0.0010	0.0031	<0.0010	<0.0010	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	<0.0010	0.0055	0.0041	0.0019	<0.0010	0.0011				
Organic Parameters										
Chlorophyll a (µg/L)	0.029	0.405	0.588	0.606	0.0938	0.154				
Dissolved Organic Carbon (mg/L)	1.27	23.6	3.38	3.00	5.54	1.75				
Total Inorganic Carbon (mg/L)	46	13.8	34.4	31.1	36.8	43.8				
Total Organic Carbon (mg/L)	1.4	34.3	4.62	3.89	5.94	1.95				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Lynx 10 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	05-MAY-08	12-JUN-08	08-JUL-08	26-AUG-08	28-OCT-08				
Sample Period										
Date Sampled	25-FEB-08	05-MAY-08	12-JUN-08	08-JUL-08	26-AUG-08	28-OCT-08				
Time Sampled	10:15	14:30	11:45	14:53	14:30	16:30				
ALS Sample ID	L605197-4	L626941-2	L641885-4	L653105-2	L674661-3	L701882-3				
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	509	172	190	395	417	433				
Colour, True (CU)	<5.0	78.3	11.8	8.3	8.4	<5.0				
Conductivity (µS/cm)	891	319	347	715	706	759				
pH (mg/L)	8.18	8.09	8.36	8.25	8.34	8.31				
Total Dissolved Solids (mg/L)	522	224	209	430	437	483				
Total Suspended Solids (mg/L)	155	1950	30.7	233	14.5	298				
Turbidity (NTU)	169	740	34.2	291	17.2	251				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	5.4	9.3	4.2	<4	<4	4.5				
Ammonia as N (mg/L)	0.036	0.056	<0.020	<0.020	<0.020	<0.020				
Acidity (to pH 8.3) CaCO3 (mg/L)	3.3	2.5	<1.0	1.3	<1.0	<1.0				
Alkalinity-Total CaCO3 (mg/L)	458	162	165	344	339	390				
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	0.88	0.51	<0.50	0.67	0.67	0.70				
Fluoride (F) (mg/L)	0.256	0.133	0.09	0.249	0.234	0.225				
Sulfate (SO4) (mg/L)	79.7	20.5	30.6	87.8	81.3	74.7				
Sulphide as S (mg/L)	0.027	<0.020	0.022	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.114	0.159	<0.0050	0.0676	0.0258	0.0725				
Nitrate (as N) (mg/L)	0.114	0.156	<0.0050	0.0676	0.0258	0.0725				
Nitrite (as N) (mg/L)	<0.0010	0.0031	<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	0.302	2.1	0.165	0.224	0.167	0.342				
Total Nitrogen (mg/L)	0.416	2.26	0.165	0.292	0.193	0.414				
Ortho Phosphate as P (mg/L)	0.0063	0.0199	<0.0010	0.0061	0.0041	0.0093				
Total Dissolved Phosphate P (mg/L)	0.0083	0.0389	0.005	0.0042	0.0054	0.032				
Total Phosphate as P (mg/L)	0.152	1.26	0.011	0.0273	0.0201	0.321				

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Lynx 10 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	05-MAY-08	12-JUN-08	08-JUL-08	26-AUG-08	28-OCT-08				
Total Metals										
Aluminum (Al)-Total (mg/L)	2.53	9	0.584	0.731	0.122	3.05				
Antimony (Sb)-Total (mg/L)	0.00033	0.00073	0.0002	0.00021	0.00015	0.00038				
Arsenic (As)-Total (mg/L)	0.00266	0.00662	0.00044	0.00160	0.00119	0.00343				
Barium (Ba)-Total (mg/L)	0.17	0.394	0.0761	0.116	0.0966	0.169				
Beryllium (Be)-Total (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050				
Bismuth (Bi)-Total (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050				
Boron (B)-Total (mg/L)	0.038	0.028	0.011	0.049	0.038	0.035				
Cadmium (Cd)-Total (mg/L)	0.0004	0.00199	0.00008	0.00011	<0.000050	0.000552				
Calcium (Ca)-Total (mg/L)	108	111	52.8	74.2	77.9	98.8				
Chromium (Cr)-Total (mg/L)	0.005	0.0179	0.00132	0.0018	<0.00050	0.00681				
Cobalt (Co)-Total (mg/L)	0.00204	0.00792	0.00029	0.00063	0.00059	0.00273				
Copper (Cu)-Total (mg/L)	0.00889	0.0296	0.00129	0.00305	0.00148	0.00769				
Iron (Fe)-Total (mg/L)	4.53	14.5	0.672	1.09	0.186	6.49				
Lead (Pb)-Total (mg/L)	0.00194	0.0098	0.000375	0.00057	0.000097	0.00303				
Lithium (Li)-Total (mg/L)	0.029	0.017	0.0055	0.028	0.0257	0.0271				
Magnesium (Mg)-Total (mg/L)	65.3	30.2	14.2	52.8	54.4	59.5				
Manganese (Mn)-Total (mg/L)	0.106	0.443	0.0123	0.0368	0.0248	0.137				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.00536	0.00249	0.00328	0.00547	0.00547	0.00517				
Nickel (Ni)-Total (mg/L)	0.0081	0.028	0.00205	0.0039	0.00394	0.0105				
Phosphorus (P)-Total (mg/L)	<0.30	0.89	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	3.4	6.4	<2.0	3.0	3.5	4.2				
Selenium (Se)-Total (mg/L)	<0.0020	<0.0020	0.0012	<0.0020	<0.0010	<0.0010				
Silicon (Si)-Total (mg/L)	12.8	24.5	3	7.45	5.72	12.9				
Silver (Ag)-Total (mg/L)	0.000057	0.000178	0.000014	<0.000020	<0.000010	0.000070				
Sodium (Na)-Total (mg/L)	18.4	4.4	2.1	16.9	18.7	18.6				
Strontium (Sr)-Total (mg/L)	0.579	0.238	0.21	0.460	0.429	0.450				
Thallium (Tl)-Total (mg/L)	<0.00020	0.00026	<0.00010	<0.00020	<0.00010	0.00012				
Tin (Sn)-Total (mg/L)	<0.00020	<0.00020	<0.00010	<0.00020	<0.00010	0.00016				
Titanium (Ti)-Total (mg/L)	0.111	0.322	0.022	0.029	<0.010	0.115				
Uranium (U)-Total (mg/L)	0.00442	0.00243	0.000746	0.00353	0.00303	0.00354				
Vanadium (V)-Total (mg/L)	0.0124	0.0465	0.0036	0.0034	<0.0010	0.0166				
Zinc (Zn)-Total (mg/L)	0.0253	0.0992	<0.0060	0.0075	0.0028	0.0294				

Sample Site: Lynx 10 **Sampling Matrix: Water**

Date Sampled	25-FEB-08	05-MAY-08	12-JUN-08	08-JUL-08	26-AUG-08	28-OCT-08				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0142	0.0519	0.0082	0.0151	0.0413	0.0137				
Antimony (Sb)-Dissolved (mg/L)	<0.00020	0.00022	0.00017	<0.00020	0.00012	<0.00010				
Arsenic (As)-Dissolved (mg/L)	0.0008	0.00069	0.00022	0.00125	0.00111	0.00095				
Barium (Ba)-Dissolved (mg/L)	0.1	0.0726	0.0622	0.0930	0.0875	0.0699				
Beryllium (Be)-Dissolved (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050				
Bismuth (Bi)-Dissolved (mg/L)	<0.0010	<0.0010	<0.00050	<0.0010	<0.00050	<0.00050				
Boron (B)-Dissolved (mg/L)	0.035	<0.020	<0.010	0.047	0.038	0.032				
Cadmium (Cd)-Dissolved (mg/L)	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050	<0.000050				
Calcium (Ca)-Dissolved (mg/L)	97.9	43.6	53.4	69.3	77.8	78.8				
Chromium (Cr)-Dissolved (mg/L)	<0.0010	<0.0010	<0.00050	0.0016	<0.00050	<0.00050				
Cobalt (Co)-Dissolved (mg/L)	0.00028	0.00045	<0.00010	0.00021	0.00045	0.00024				
Copper (Cu)-Dissolved (mg/L)	0.00114	0.00325	0.00065	0.00129	0.00102	0.00070				
Iron (Fe)-Dissolved (mg/L)	<0.030	0.086	<0.030	<0.030	<0.030	<0.030				
Lead (Pb)-Dissolved (mg/L)	<0.00010	<0.00010	<0.000050	<0.00010	<0.000050	<0.000050				
Lithium (Li)-Dissolved (mg/L)	0.024	<0.010	<0.0050	0.028	0.0248	0.0223				
Magnesium (Mg)-Dissolved (mg/L)	64.2	15.3	13.9	53.8	54.2	57.3				
Manganese (Mn)-Dissolved (mg/L)	0.0251	0.0319	0.00488	0.00689	0.0165	0.0217				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.00501	0.00148	0.00307	0.00558	0.00501	0.00469				
Nickel (Ni)-Dissolved (mg/L)	0.002	0.0046	0.0011	0.0026	0.00351	0.00219				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	2.6	3.2	<2.0	2.9	3.2	2.9				
Selenium (Se)-Dissolved (mg/L)	<0.0020	<0.0020	0.0014	<0.0020	<0.0010	<0.0010				
Silicon (Si)-Dissolved (mg/L)	6.9	2.97	1.59	6.17	5.61	6.13				
Silver (Ag)-Dissolved (mg/L)	<0.000020	<0.000020	<0.000010	<0.000020	<0.000010	<0.000010				
Sodium (Na)-Dissolved (mg/L)	18.6	4	2	17.1	17.3	18.4				
Strontium (Sr)-Dissolved (mg/L)	0.536	0.117	0.202	0.451	0.403	0.391				
Thallium (Tl)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00010	<0.00020	<0.00010	<0.00010				
Tin (Sn)-Dissolved (mg/L)	<0.00020	<0.00020	<0.00010	<0.00020	<0.00010	<0.00010				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.00411	0.00104	0.000656	0.00352	0.00296	0.00308				
Vanadium (V)-Dissolved (mg/L)	<0.0020	<0.0020	<0.0010	<0.0020	<0.0010	<0.0010				
Zinc (Zn)-Dissolved (mg/L)	<0.0020	0.0041	0.003	0.0021	<0.0010	<0.0010				
Organic Parameters										
Chlorophyll a (µg/L)	0.185	0.156	0.681	1.95	1.59	2.95				
Dissolved Organic Carbon (mg/L)	2.29	16.8	3.32	4.41	4.42	3.45				
Total Inorganic Carbon (mg/L)	113	54.9	33.7	87.6	81.0	95.0				
Total Organic Carbon (mg/L)	4.06	31.7	4.03	4.93	5.05	5.91				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Farrell 11 **Sampling Matrix: Water**

Date Sampled	05-MAY-08	12-JUN-08	10-JUL-08	29-AUG-08	31-OCT-08					
Sample Period										
Date Sampled	05-MAY-08	12-JUN-08	10-JUL-08	29-AUG-08	31-OCT-08					
Time Sampled	16:15	15:40	12:00	19:30	09:00					
ALS Sample ID	L626941-3	L641885-1	L654448-2	L676302-1	L703077-1					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	90.2	165	246	190	310					
Colour, True (CU)	133	59.3	17.6	42.9	7.4					
Conductivity (µS/cm)	188	316	468	362	574					
pH (mg/L)	7.99	8.35	8.40	8.49	8.37					
Total Dissolved Solids (mg/L)	181	225	285	233	357					
Total Suspended Solids (mg/L)	1520	53.7	7.3	9.7	<3.0					
Turbidity (NTU)	760	49.4	9.31	22.2	3.35					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	15	7.7	5.0	6.8	8.1					
Ammonia as N (mg/L)	0.055	0.021	0.038	0.028	<0.020					
Acidity (to pH 8.3) CaCO3 (mg/L)	2.3	<1.0	<1.0	<1.0	<1.0					
Alkalinity-Total CaCO3 (mg/L)	83	157	216	166	273					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	<0.50	0.53	1.06	0.89	1.80					
Fluoride (F) (mg/L)	0.087	0.123	0.146	0.161	0.157					
Sulfate (SO4) (mg/L)	15.7	29.9	48.9	32.5	66.1					
Sulphide as S (mg/L)	0.031	0.028	<0.020	0.021	<0.020					
Nitrate and Nitrite as N (mg/L)	0.473	<0.0050	<0.0050	<0.0050	<0.0050					
Nitrate (as N) (mg/L)	0.469	<0.0050	<0.0050	<0.0050	<0.0050					
Nitrite (as N) (mg/L)	0.0039	<0.0010	<0.0010	<0.0010	<0.0010					
Total Kjeldahl Nitrogen (mg/L)	2.45	0.893	0.346	0.438	0.203					
Total Nitrogen (mg/L)	2.93	0.893	0.346	0.438	0.203					
Ortho Phosphate as P (mg/L)	0.0204	0.0034	<0.0010	0.0020	0.0023					
Total Dissolved Phosphate P (mg/L)	0.0512	0.0118	<0.0020	<0.020	0.0046					
Total Phosphate as P (mg/L)	1.07	0.037	0.0122	0.034	0.0091					

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Farrell 11 **Sampling Matrix: Water**

Date Sampled	05-MAY-08	12-JUN-08	10-JUL-08	29-AUG-08	31-OCT-08					
Total Metals										
Aluminum (Al)-Total (mg/L)	6.25	0.863	0.162	0.494	0.0697					
Antimony (Sb)-Total (mg/L)	0.00051	0.0002	0.00020	0.00018	0.00010					
Arsenic (As)-Total (mg/L)	0.00518	0.00097	0.00071	0.00084	0.00047					
Barium (Ba)-Total (mg/L)	0.36	0.0963	0.118	0.0822	0.0809					
Beryllium (Be)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Total (mg/L)	0.022	0.02	0.035	0.029	0.025					
Cadmium (Cd)-Total (mg/L)	0.00155	0.000116	<0.000050	0.000061	<0.000050					
Calcium (Ca)-Total (mg/L)	76.6	46	67.3	47.1	82.7					
Chromium (Cr)-Total (mg/L)	0.0124	0.00178	0.00103	0.00108	<0.0010					
Cobalt (Co)-Total (mg/L)	0.00755	0.00057	0.00014	0.00031	<0.00010					
Copper (Cu)-Total (mg/L)	0.0227	0.00331	0.00182	0.00293	0.00110					
Iron (Fe)-Total (mg/L)	12.1	1.54	0.166	0.732	0.122					
Lead (Pb)-Total (mg/L)	0.00924	0.000745	0.000116	0.000454	0.000053					
Lithium (Li)-Total (mg/L)	0.0122	0.0091	0.0161	0.0138	0.0177					
Magnesium (Mg)-Total (mg/L)	18.2	12.9	20.0	14.6	25.1					
Manganese (Mn)-Total (mg/L)	0.433	0.0296	0.0231	0.0223	0.0163					
Mercury (Hg)-Total (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.00126	0.000884	0.00156	0.00122	0.00136					
Nickel (Ni)-Total (mg/L)	0.0248	0.00446	0.00211	0.00372	0.00213					
Phosphorus (P)-Total (mg/L)	0.89	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Total (mg/L)	4.2	<2.0	2.2	<2.0	<2.0					
Selenium (Se)-Total (mg/L)	0.0011	<0.0010	<0.0010	<0.0010	<0.0010					
Silicon (Si)-Total (mg/L)	12.8	4.33	1.05	2.46	2.62					
Silver (Ag)-Total (mg/L)	0.000127	0.000021	<0.000010	<0.000010	<0.000010					
Sodium (Na)-Total (mg/L)	3.3	6.6	11.6	8.8	15.0					
Strontium (Sr)-Total (mg/L)	0.153	0.096	0.174	0.116	0.192					
Thallium (Tl)-Total (mg/L)	0.00019	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Total (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Total (mg/L)	0.133	0.042	0.011	0.016	0.010					
Uranium (U)-Total (mg/L)	0.00135	0.000626	0.00101	0.000673	0.00121					
Vanadium (V)-Total (mg/L)	0.0337	0.0045	<0.0010	0.0026	<0.0010					
Zinc (Zn)-Total (mg/L)	0.0784	<0.0090	0.0018	<0.0060	0.0012					

Sample Site: Farrell 11 **Sampling Matrix: Water**

Date Sampled	05-MAY-08	12-JUN-08	10-JUL-08	29-AUG-08	31-OCT-08					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.202	0.0296	0.0057	0.0090	0.0029					
Antimony (Sb)-Dissolved (mg/L)	0.00019	0.00015	0.00020	0.00016	<0.00010					
Arsenic (As)-Dissolved (mg/L)	0.00059	0.0005	0.00058	0.00054	0.00039					
Barium (Ba)-Dissolved (mg/L)	0.0492	0.0769	0.115	0.0712	0.0788					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050					
Boron (B)-Dissolved (mg/L)	0.014	0.019	0.034	0.027	0.025					
Cadmium (Cd)-Dissolved (mg/L)	0.000077	<0.000050	<0.000050	<0.000050	<0.000050					
Calcium (Ca)-Dissolved (mg/L)	25.8	45.4	66.2	50.5	82.8					
Chromium (Cr)-Dissolved (mg/L)	0.00065	<0.00050	0.00055	<0.00050	<0.00080					
Cobalt (Co)-Dissolved (mg/L)	0.00047	<0.00010	<0.00010	<0.00010	<0.00010					
Copper (Cu)-Dissolved (mg/L)	0.00365	0.00216	0.00154	0.00203	0.00103					
Iron (Fe)-Dissolved (mg/L)	0.318	0.155	<0.030	0.031	<0.030					
Lead (Pb)-Dissolved (mg/L)	0.000178	0.000085	0.000479	<0.000050	<0.000050					
Lithium (Li)-Dissolved (mg/L)	<0.0050	0.0081	0.0154	0.0131	0.0173					
Magnesium (Mg)-Dissolved (mg/L)	6.28	12.6	19.6	15.4	25.0					
Manganese (Mn)-Dissolved (mg/L)	0.0308	0.00532	0.00130	0.00344	0.0147					
Mercury (Hg)-Dissolved (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.000679	0.000763	0.00172	0.00103	0.00134					
Nickel (Ni)-Dissolved (mg/L)	0.00493	0.00271	0.00194	0.00268	0.00201					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	2.5	<2.0	2.2	<2.0	2.0					
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010					
Silicon (Si)-Dissolved (mg/L)	2.54	1.99	0.658	1.51	2.45					
Silver (Ag)-Dissolved (mg/L)	0.000012	<0.000010	<0.000010	<0.000010	<0.000010					
Sodium (Na)-Dissolved (mg/L)	3	6.6	11.5	9.4	15.3					
Strontium (Sr)-Dissolved (mg/L)	0.0604	0.0875	0.173	0.113	0.191					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010					
Titanium (Ti)-Dissolved (mg/L)	0.011	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.000442	0.00054	0.00103	0.000592	0.00122					
Vanadium (V)-Dissolved (mg/L)	0.0013	<0.0010	<0.0010	<0.0010	<0.0010					
Zinc (Zn)-Dissolved (mg/L)	0.0028	0.0041	0.0027	<0.0010	0.0019					
Organic Parameters										
Chlorophyll a (µg/L)	0.253	0.595	1.72	0.743	0.209					
Dissolved Organic Carbon (mg/L)	22.4	14.7	8.16	12.0	5.39					
Total Inorganic Carbon (mg/L)	25.3	28.5	43.2	37.4	62.3					
Total Organic Carbon (mg/L)	40.2	15.5	8.52	12.6	5.75					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Cache 12 **Sampling Matrix: Water**

Date Sampled	26-FEB-08	07-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Sample Period										
Date Sampled	26-FEB-08	07-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Time Sampled	12:30	14:30	19:15	17:50	15:15	15:15				
ALS Sample ID	L605197-7	L626941-9	L642455-5	L654448-3	L675117-5	L703077-2				
Physical Tests										
Salinity (EC) (g/L)	1.2	<1.0	<1.0	<1.0	<1.0	<1.0				
Hardness (as CaCO3) (mg/L)	756	106	385	592	642	647				
Colour, True (CU)	20.6	164	21.2	11.2	8.8	<5.0				
Conductivity (µS/cm)	2460	247	183	1330	1370	1350				
pH (mg/L)	7.74	7.94	8.19	8.19	8.12	7.88				
Total Dissolved Solids (mg/L)	2420	207	125	953	1000	1010				
Total Suspended Solids (mg/L)	44.9	1620	127	20.4	6.0	3.0				
Turbidity (NTU)	70.4	1300	57.3	15.2	7.48	11.8				
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4 (2)	21	4.2	<4	<4	<4				
Ammonia as N (mg/L)	0.112	0.103	<0.020	0.055	0.022	0.069				
Acidity (to pH 8.3) CaCO3 (mg/L)	14.4	2.7	<1.0	3.5	4.4	7.6				
Alkalinity-Total CaCO3 (mg/L)	350	90	87.9	288	306	302				
Bromide (Br) (mg/L)	<0.25	<0.050	<0.050	<0.050	<0.050	<0.050				
Chloride (Cl) (mg/L)	279	3.34	<0.50	15.1	14.4	19.0				
Fluoride (F) (mg/L)	0.38	0.097	0.065	0.429	0.437	0.390				
Sulfate (SO4) (mg/L)	567	31.7	6.8	449	453	457				
Sulphide as S (mg/L)	0.025	0.022	<0.020	<0.020	<0.020	<0.020				
Nitrate and Nitrite as N (mg/L)	0.197	0.0294	<0.0050	<0.0050	<0.0050	0.0072				
Nitrate (as N) (mg/L)	0.147	0.0274	<0.0050	<0.0050	<0.0050	0.0072				
Nitrite (as N) (mg/L)	0.0492	0.002	<0.0010	<0.0010	<0.0010	<0.0010				
Total Kjeldahl Nitrogen (mg/L)	1.2	1.48	0.444	0.449	0.277	0.352				
Total Nitrogen (mg/L)	1.39	1.51	0.444	0.449	0.277	0.359				
Ortho Phosphate as P (mg/L)	0.001	0.0243	0.0012	<0.0010	<0.0010	<0.0010				
Total Dissolved Phosphate P (mg/L)	0.0068	0.0722	0.0038	<0.0020	0.0021	0.0052				
Total Phosphate as P (mg/L)	0.152	1.57	0.124	0.0406	0.0149	0.0127				

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Cache 12 **Sampling Matrix: Water**

Date Sampled	26-FEB-08	07-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Total Metals										
Aluminum (Al)-Total (mg/L)	1.77	10.6	2.1	0.130	0.0084	0.0055				
Antimony (Sb)-Total (mg/L)	<0.00050	0.00054	0.0003	<0.00020	<0.00020	<0.00020				
Arsenic (As)-Total (mg/L)	0.00228	0.00676	0.00165	0.00092	0.00066	0.00084				
Barium (Ba)-Total (mg/L)	0.132	0.374	0.112	0.0709	0.0273	0.0426				
Beryllium (Be)-Total (mg/L)	<0.0025	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Bismuth (Bi)-Total (mg/L)	<0.0025	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Boron (B)-Total (mg/L)	0.068	0.036	0.062	0.107	0.080	0.060				
Cadmium (Cd)-Total (mg/L)	<0.00025	0.00157	0.000125	<0.00010	<0.00010	<0.00010				
Calcium (Ca)-Total (mg/L)	189	63.4	90.6	147	176	169				
Chromium (Cr)-Total (mg/L)	0.01	0.0181	0.00349	<0.0010	<0.0010	<0.0015				
Cobalt (Co)-Total (mg/L)	0.00569	0.0123	0.00524	0.00114	0.00201	0.00269				
Copper (Cu)-Total (mg/L)	0.00978	0.0377	0.00495	0.00162	0.00025	0.00057				
Iron (Fe)-Total (mg/L)	3.06	17.4	3.2	0.509	0.576	1.24				
Lead (Pb)-Total (mg/L)	0.0162	0.0131	0.00125	0.00026	<0.00010	<0.00010				
Lithium (Li)-Total (mg/L)	0.034	0.014	0.0182	0.046	0.051	0.035				
Magnesium (Mg)-Total (mg/L)	66.9	17.3	35.1	49.1	50.5	53.9				
Manganese (Mn)-Total (mg/L)	1.65	0.598	0.477	0.547	1.14	1.19				
Mercury (Hg)-Total (mg/L)	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Total (mg/L)	0.00237	0.00164	0.00218	0.00256	0.00169	0.00186				
Nickel (Ni)-Total (mg/L)	0.0141	0.0374	0.0199	0.0060	0.0062	0.0053				
Phosphorus (P)-Total (mg/L)	<0.30	1.02	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Total (mg/L)	9.6	7.6	5.7	6.5	5.7	5.7				
Selenium (Se)-Total (mg/L)	<0.0050	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020				
Silicon (Si)-Total (mg/L)	7.25	30	6.41	2.45	3.39	3.34				
Silver (Ag)-Total (mg/L)	0.000059	0.00016	0.000025	<0.000020	<0.000020	<0.000020				
Sodium (Na)-Total (mg/L)	248	11.3	60.4	80.9	84.6	84.6				
Strontium (Sr)-Total (mg/L)	0.639	0.201	0.326	0.519	0.531	0.456				
Thallium (Tl)-Total (mg/L)	<0.00050	0.00022	<0.00010	<0.00020	<0.00020	<0.00020				
Tin (Sn)-Total (mg/L)	<0.00050	<0.00020	<0.00010	<0.00020	<0.00020	<0.00020				
Titanium (Ti)-Total (mg/L)	0.07	0.416	0.085	<0.010	<0.010	<0.010				
Uranium (U)-Total (mg/L)	0.00363	0.00228	0.0021	0.00291	0.00270	0.00280				
Vanadium (V)-Total (mg/L)	0.0073	0.0439	0.008	<0.0020	<0.0020	<0.0020				
Zinc (Zn)-Total (mg/L)	0.0975	0.114	0.0183	0.0039	0.0026	<0.0020				

Sample Site: Cache 12 **Sampling Matrix: Water**

Date Sampled	26-FEB-08	07-MAY-08	13-JUN-08	10-JUL-08	27-AUG-08	31-OCT-08				
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0144	0.104	0.0521	0.0078	0.0022	<0.0020				
Antimony (Sb)-Dissolved (mg/L)	<0.00050	0.00026	0.00024	<0.00020	<0.00020	<0.00020				
Arsenic (As)-Dissolved (mg/L)	0.00074	0.00071	0.00066	0.00072	0.00050	0.00057				
Barium (Ba)-Dissolved (mg/L)	0.0675	0.0418	0.0762	0.0693	0.0260	0.0443				
Beryllium (Be)-Dissolved (mg/L)	<0.0025	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Bismuth (Bi)-Dissolved (mg/L)	<0.0025	<0.0010	<0.00050	<0.0010	<0.0010	<0.0010				
Boron (B)-Dissolved (mg/L)	0.06	0.023	0.064	0.107	0.079	0.059				
Cadmium (Cd)-Dissolved (mg/L)	<0.00025	<0.00010	<0.000050	<0.00010	<0.00010	<0.00010				
Calcium (Ca)-Dissolved (mg/L)	192	28.7	94.5	153	174	167				
Chromium (Cr)-Dissolved (mg/L)	<0.0025	<0.0010	0.00118	0.0013	<0.0010	<0.0015				
Cobalt (Co)-Dissolved (mg/L)	0.00427	0.00059	0.00265	0.00096	0.00192	0.00209				
Copper (Cu)-Dissolved (mg/L)	0.00515	0.00517	<0.0024	0.00134	0.00030	0.00042				
Iron (Fe)-Dissolved (mg/L)	<0.030	0.406	<0.030	<0.030	<0.030	0.172				
Lead (Pb)-Dissolved (mg/L)	0.00029	0.00081	<0.000050	<0.00010	<0.00010	<0.00010				
Lithium (Li)-Dissolved (mg/L)	0.03	<0.010	0.0174	0.051	0.052	0.033				
Magnesium (Mg)-Dissolved (mg/L)	66.9	8.26	36.2	50.9	50.4	55.7				
Manganese (Mn)-Dissolved (mg/L)	1.47	0.0684	0.255	0.523	1.12	1.08				
Mercury (Hg)-Dissolved (mg/L)	<0.000050	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum (Mo)-Dissolved (mg/L)	0.00177	0.00102	0.00197	0.00266	0.00163	0.00194				
Nickel (Ni)-Dissolved (mg/L)	0.0101	0.0069	0.0141	0.0054	0.0062	0.0055				
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30				
Potassium (K)-Dissolved (mg/L)	8.6	4.1	5.3	6.7	5.8	5.8				
Selenium (Se)-Dissolved (mg/L)	<0.0050	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020				
Silicon (Si)-Dissolved (mg/L)	3.44	2.53	1.34	2.30	3.37	3.06				
Silver (Ag)-Dissolved (mg/L)	<0.000050	<0.000020	<0.000010	<0.000020	<0.000020	<0.000020				
Sodium (Na)-Dissolved (mg/L)	222	11.2	62.4	83.3	85.5	85.2				
Strontium (Sr)-Dissolved (mg/L)	0.584	0.0991	0.321	0.534	0.533	0.455				
Thallium (Tl)-Dissolved (mg/L)	<0.00050	<0.00020	<0.00010	<0.00020	<0.00020	<0.00020				
Tin (Sn)-Dissolved (mg/L)	<0.00050	<0.00020	<0.00010	<0.00020	<0.00020	<0.00020				
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010				
Uranium (U)-Dissolved (mg/L)	0.00334	0.000868	0.00196	0.00297	0.00268	0.00303				
Vanadium (V)-Dissolved (mg/L)	<0.0050	<0.0020	<0.0010	<0.0020	<0.0020	<0.0020				
Zinc (Zn)-Dissolved (mg/L)	0.0489	0.0055	0.001	0.0028	0.0021	<0.0020				
Organic Parameters										
Chlorophyll a (µg/L)	0.0647	0.926	1.05	4.68	1.86	0.350				
Dissolved Organic Carbon (mg/L)	12.1	30.1	5.79	7.75	7.25	6.28				
Total Inorganic Carbon (mg/L)	76.9	21.9	16.6	58.7	72.0	67.7				
Total Organic Carbon (mg/L)	17.2	53.9	7.89	8.17	7.39	6.84				

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Boudreau 13 **Sampling Matrix: Water**

Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Sample Period										
Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Time Sampled	15:31	14:55	13:45	14:00	14:00					
ALS Sample ID	L626941-6	L642455-1	L655065-3	L676302-4	L702261-3					
Physical Tests										
Salinity (EC) (g/L)	<1.0	<1.0	<1.0	<1.0	<1.0					
Hardness (as CaCO3) (mg/L)	120	398	528	513	454					
Colour, True (CU)	157	50.6	12.4	12.8	10.4					
Conductivity (µS/cm)	239	735	949	919	791					
pH (mg/L)	7.97	8.11	8.01	8.20	7.96					
Total Dissolved Solids (mg/L)	209	567	676	667	583					
Total Suspended Solids (mg/L)	193	409	11.3	104	194					
Turbidity (NTU)	305	309	11.2	84.1	24.8					
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	10	8.9	<4	<4	<4					
Ammonia as N (mg/L)	0.032	0.11	<0.020	0.104	0.042					
Acidity (to pH 8.3) CaCO3 (mg/L)	2.5	3.1	7.2	7.5	5.1					
Alkalinity-Total CaCO3 (mg/L)	103	235	305	302	272					
Bromide (Br) (mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050					
Chloride (Cl) (mg/L)	0.66	<0.50	0.57	0.58	<0.50					
Fluoride (F) (mg/L)	0.058	0.209	0.319	0.356	0.274					
Sulfate (SO4) (mg/L)	20.9	173	251	221	184					
Sulphide as S (mg/L)	0.026	0.028	<0.020	<0.020	<0.020					
Nitrate and Nitrite as N (mg/L)	0.0384	0.0455	0.0256	0.0250	0.0533					
Nitrate (as N) (mg/L)	0.0364	0.039	0.0222	0.0231	0.0513					
Nitrite (as N) (mg/L)	0.002	0.0065	0.0034	0.0019	0.0020					
Total Kjeldahl Nitrogen (mg/L)	2.23	1.29	0.933	0.268	0.551					
Total Nitrogen (mg/L)	2.27	1.34	0.959	0.293	0.604					
Ortho Phosphate as P (mg/L)	0.0158	0.0034	0.0013	<0.0010	<0.0010					
Total Dissolved Phosphate P (mg/L)	0.06	0.0132	0.0048	0.0035	0.0045					
Total Phosphate as P (mg/L)	0.36	0.306	0.0273	0.058	0.0527					

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Boudreau 13 **Sampling Matrix: Water**

Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Total Metals										
Aluminum (Al)-Total (mg/L)	2.44	3.37	0.626	0.148	0.731					
Antimony (Sb)-Total (mg/L)	0.00029	0.00028	<0.00020	<0.00020	<0.00020					
Arsenic (As)-Total (mg/L)	0.00225	0.0032	0.00182	0.00120	0.00112					
Barium (Ba)-Total (mg/L)	0.127	0.158	0.0808	0.0570	0.0785					
Beryllium (Be)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010	<0.0010					
Bismuth (Bi)-Total (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010	<0.0010					
Boron (B)-Total (mg/L)	0.018	0.024	0.045	0.047	0.029					
Cadmium (Cd)-Total (mg/L)	0.000342	0.00071	0.00017	<0.00010	0.00017					
Calcium (Ca)-Total (mg/L)	39.1	117	150	146	132					
Chromium (Cr)-Total (mg/L)	0.00502	0.0055	0.0014	<0.0010	0.0016					
Cobalt (Co)-Total (mg/L)	0.00252	0.00736	0.00323	0.00166	0.00244					
Copper (Cu)-Total (mg/L)	0.00989	0.0104	0.00261	0.00101	0.00242					
Iron (Fe)-Total (mg/L)	3.87	7.45	2.29	0.734	2.02					
Lead (Pb)-Total (mg/L)	0.00284	0.00229	0.00059	0.00015	0.00061					
Lithium (Li)-Total (mg/L)	0.0064	0.014	0.028	0.029	0.019					
Magnesium (Mg)-Total (mg/L)	10.4	30	36.4	35.3	32.5					
Manganese (Mn)-Total (mg/L)	0.104	0.926	1.38	0.967	1.45					
Mercury (Hg)-Total (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Total (mg/L)	0.0011	0.0029	0.00200	0.00192	0.00183					
Nickel (Ni)-Total (mg/L)	0.011	0.0266	0.0066	0.0045	0.0061					
Phosphorus (P)-Total (mg/L)	<0.30	0.42	<0.30	<0.30	<0.30					
Potassium (K)-Total (mg/L)	7.6	7.8	4.9	4.6	4.3					
Selenium (Se)-Total (mg/L)	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020					
Silicon (Si)-Total (mg/L)	5.6	10.9	7.20	5.87	6.50					
Silver (Ag)-Total (mg/L)	0.000083	0.000045	<0.000020	<0.000020	<0.000020					
Sodium (Na)-Total (mg/L)	2.3	5.1	10.4	10.1	6.4					
Strontium (Sr)-Total (mg/L)	0.109	0.3	0.359	0.346	0.285					
Thallium (Tl)-Total (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020	<0.00020					
Tin (Sn)-Total (mg/L)	0.0001	<0.00020	<0.00020	0.00046	<0.00020					
Titanium (Ti)-Total (mg/L)	0.05	0.119	0.020	<0.010	0.024					
Uranium (U)-Total (mg/L)	0.000964	0.00347	0.00285	0.00278	0.00279					
Vanadium (V)-Total (mg/L)	0.0112	0.0132	0.0027	<0.0020	0.0032					
Zinc (Zn)-Total (mg/L)	0.0285	0.0847	0.0147	0.0040	0.0132					

Sample Site: Boudreau 13 **Sampling Matrix: Water**

Date Sampled	06-MAY-08	13-JUN-08	11-JUL-08	29-AUG-08	29-OCT-08					
Dissolved Metals										
Aluminum (Al)-Dissolved (mg/L)	0.0593	0.0349	0.0029	<0.0020	<0.0020					
Antimony (Sb)-Dissolved (mg/L)	0.00018	<0.00020	<0.00020	<0.00020	<0.00020					
Arsenic (As)-Dissolved (mg/L)	0.00067	0.00051	0.00083	0.00096	0.00044					
Barium (Ba)-Dissolved (mg/L)	0.0526	0.0839	0.0618	0.0503	0.0564					
Beryllium (Be)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010	<0.0010					
Bismuth (Bi)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010	<0.0010					
Boron (B)-Dissolved (mg/L)	0.013	<0.020	0.043	0.045	0.030					
Cadmium (Cd)-Dissolved (mg/L)	0.000075	0.00013	<0.00010	<0.00010	<0.00010					
Calcium (Ca)-Dissolved (mg/L)	33	112	151	147	128					
Chromium (Cr)-Dissolved (mg/L)	<0.00050	<0.0010	<0.0010	<0.0010	0.0014					
Cobalt (Co)-Dissolved (mg/L)	0.00054	0.00235	0.00209	0.00140	0.00126					
Copper (Cu)-Dissolved (mg/L)	0.00407	0.004	0.00086	0.00041	0.00079					
Iron (Fe)-Dissolved (mg/L)	0.238	0.045	<0.030	<0.030	<0.030					
Lead (Pb)-Dissolved (mg/L)	0.000117	<0.00010	<0.00010	<0.00010	<0.00010					
Lithium (Li)-Dissolved (mg/L)	<0.0050	<0.010	0.027	0.027	0.019					
Magnesium (Mg)-Dissolved (mg/L)	9.09	28.9	36.7	35.3	32.7					
Manganese (Mn)-Dissolved (mg/L)	0.0243	0.445	1.20	0.882	1.03					
Mercury (Hg)-Dissolved (mg/L)	<0.00010	<0.000050	<0.000050	<0.000050	<0.000050					
Molybdenum (Mo)-Dissolved (mg/L)	0.00094	0.00274	0.00188	0.00176	0.00172					
Nickel (Ni)-Dissolved (mg/L)	0.00465	0.0153	0.0040	0.0038	0.0037					
Phosphorus (P)-Dissolved (mg/L)	<0.30	<0.30	<0.30	<0.30	<0.30					
Potassium (K)-Dissolved (mg/L)	7.1	6.1	4.7	4.7	4.2					
Selenium (Se)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020					
Silicon (Si)-Dissolved (mg/L)	1.5	3.45	6.04	5.62	4.96					
Silver (Ag)-Dissolved (mg/L)	<0.000010	<0.000020	<0.000020	<0.000020	<0.000020					
Sodium (Na)-Dissolved (mg/L)	2.3	4.8	10.5	10.2	6.9					
Strontium (Sr)-Dissolved (mg/L)	0.0884	0.274	0.355	0.327	0.283					
Thallium (Tl)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020	<0.00020					
Tin (Sn)-Dissolved (mg/L)	<0.00010	<0.00020	<0.00020	<0.00020	<0.00020					
Titanium (Ti)-Dissolved (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010					
Uranium (U)-Dissolved (mg/L)	0.00069	0.003	0.00268	0.00264	0.00262					
Vanadium (V)-Dissolved (mg/L)	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020					
Zinc (Zn)-Dissolved (mg/L)	0.0085	0.0099	0.0060	0.0023	0.0029					
Organic Parameters										
Chlorophyll a (µg/L)	1.2	0.565	5.59	4.97	81.0					
Dissolved Organic Carbon (mg/L)	30.8	24.5	10.8	11.8	11.9					
Total Inorganic Carbon (mg/L)	20.4	52.3	59.6	73.2	65.4					
Total Organic Carbon (mg/L)	32.6	26.9	11.5	12.4	14.4					

Appendix F - Summary of Water Quality Analysis Results from the Peace River Watershed for 2008

Sample Site: Travel Blank **Sampling Matrix: Water**

Date Sampled	09-MAY-08									

Sample Period										
Date Sampled	09-MAY-08									
Time Sampled	16:00									
ALS Sample ID	L628019-5									
Physical Tests										
Salinity (EC) (g/L)	-									
Hardness (as CaCO3) (mg/L)	-									
Colour, True (CU)	-									
Conductivity (µS/cm)	-									
pH (mg/L)	-									
Total Dissolved Solids (mg/L)	-									
Total Suspended Solids (mg/L)	-									
Turbidity (NTU)	-									
Anions and Nutrients										
Absorbable Organic Halogen (AOX) (µg/L)	<4									
Ammonia as N (mg/L)	<0.020									
Acidity (to pH 8.3) CaCO3 (mg/L)	-									
Alkalinity-Total CaCO3 (mg/L)	-									
Bromide (Br) (mg/L)	-									
Chloride (Cl) (mg/L)	-									
Fluoride (F) (mg/L)	-									
Sulfate (SO4) (mg/L)	-									
Sulphide as S (mg/L)	<0.020									
Nitrate and Nitrite as N (mg/L)	-									
Nitrate (as N) (mg/L)	-									
Nitrite (as N) (mg/L)	-									
Total Kjeldahl Nitrogen (mg/L)	<0.050									
Total Nitrogen (mg/L)	-									
Ortho Phosphate as P (mg/L)	-									
Total Dissolved Phosphate P (mg/L)	-									
Total Phosphate as P (mg/L)	-									

Absorbable Organic Halogen (AOX) Footnotes:

(1) Sample analyzed after 2 wk max. storage period recommended by MOE

(2) Relative % difference in duplicate exceeded acceptable level of 40% difference of original sample. Insufficient sample remained for re-analysis.

(3) Mean of duplicate sample taken

Sample Site: Travel Blank **Sampling Matrix: Water**

Date Sampled	09-MAY-08									

Total Metals

Aluminum (Al)-Total (mg/L)	<0.0010									
Antimony (Sb)-Total (mg/L)	<0.00010									
Arsenic (As)-Total (mg/L)	<0.00010									
Barium (Ba)-Total (mg/L)	<0.000050									
Beryllium (Be)-Total (mg/L)	<0.00050									
Bismuth (Bi)-Total (mg/L)	<0.00050									
Boron (B)-Total (mg/L)	<0.010									
Cadmium (Cd)-Total (mg/L)	<0.000050									
Calcium (Ca)-Total (mg/L)	<0.050									
Chromium (Cr)-Total (mg/L)	<0.00050									
Cobalt (Co)-Total (mg/L)	<0.00010									
Copper (Cu)-Total (mg/L)	<0.00010									
Iron (Fe)-Total (mg/L)	<0.030									
Lead (Pb)-Total (mg/L)	<0.000050									
Lithium (Li)-Total (mg/L)	<0.0050									
Magnesium (Mg)-Total (mg/L)	<0.10									
Manganese (Mn)-Total (mg/L)	<0.000050									
Mercury (Hg)-Total (mg/L)	<0.000050									
Molybdenum (Mo)-Total (mg/L)	<0.000050									
Nickel (Ni)-Total (mg/L)	<0.00050									
Phosphorus (P)-Total (mg/L)	<0.30									
Potassium (K)-Total (mg/L)	<2.0									
Selenium (Se)-Total (mg/L)	<0.0010									
Silicon (Si)-Total (mg/L)	<0.050									
Silver (Ag)-Total (mg/L)	<0.000010									
Sodium (Na)-Total (mg/L)	<2.0									
Strontium (Sr)-Total (mg/L)	<0.00010									
Thallium (Tl)-Total (mg/L)	<0.00010									
Tin (Sn)-Total (mg/L)	<0.00010									
Titanium (Ti)-Total (mg/L)	<0.010									
Uranium (U)-Total (mg/L)	<0.000010									
Vanadium (V)-Total (mg/L)	<0.0010									
Zinc (Zn)-Total (mg/L)	<0.0010									

Sample Site: Travel Blank **Sampling Matrix: Water**

Date Sampled	09-MAY-08									

Dissolved Metals

Aluminum (Al)-Dissolved (mg/L)										
Antimony (Sb)-Dissolved (mg/L)	-									
Arsenic (As)-Dissolved (mg/L)	-									
Barium (Ba)-Dissolved (mg/L)	-									
Beryllium (Be)-Dissolved (mg/L)	-									
Bismuth (Bi)-Dissolved (mg/L)	-									
Boron (B)-Dissolved (mg/L)	-									
Cadmium (Cd)-Dissolved (mg/L)	-									
Calcium (Ca)-Dissolved (mg/L)	-									
Chromium (Cr)-Dissolved (mg/L)	-									
Cobalt (Co)-Dissolved (mg/L)	-									
Copper (Cu)-Dissolved (mg/L)	-									
Iron (Fe)-Dissolved (mg/L)	-									
Lead (Pb)-Dissolved (mg/L)										
Lithium (Li)-Dissolved (mg/L)	-									
Magnesium (Mg)-Dissolved (mg/L)	-									
Manganese (Mn)-Dissolved (mg/L)	-									
Mercury (Hg)-Dissolved (mg/L)	-									
Molybdenum (Mo)-Dissolved (mg/L)	-									
Nickel (Ni)-Dissolved (mg/L)	-									
Phosphorus (P)-Dissolved (mg/L)	-									
Potassium (K)-Dissolved (mg/L)	-									
Selenium (Se)-Dissolved (mg/L)	-									
Silicon (Si)-Dissolved (mg/L)	-									
Silver (Ag)-Dissolved (mg/L)	-									
Sodium (Na)-Dissolved (mg/L)	-									
Strontium (Sr)-Dissolved (mg/L)	-									
Thallium (Tl)-Dissolved (mg/L)	-									
Tin (Sn)-Dissolved (mg/L)	-									
Titanium (Ti)-Dissolved (mg/L)	-									
Uranium (U)-Dissolved (mg/L)	-									
Vanadium (V)-Dissolved (mg/L)	-									
Zinc (Zn)-Dissolved (mg/L)	-									

Organic Parameters

Chlorophyll a (µg/L)	0.00175									
Dissolved Organic Carbon (mg/L)	-									
Total Inorganic Carbon (mg/L)	-									
Total Organic Carbon (mg/L)	<0.50									

APPENDIX G

Applicable British Columbia Water Quality Guidelines (BCWQG) and Council of Canadian Ministers of Environment (CCME) Guidelines for the Protection of Freshwater Aquatic Life.

August 2009
Report No. 08-1430-0016

Golder Associates

Appendix G: **British Columbia Water Quality Guidelines (BCWQG) and Council of Canadian Ministers of Environment (CCME) Guidelines for Protection of Aquatic Life.**

Parameter (all units in mg/L except where noted)	**Aquatic Life (BC WQ Guidelines - Approved)**	Notes	**CCME - Aquatic Life Freshwater**	Notes
Anions and Organics				
pH, Laboratory (pH)	6.5 - 9.0			
Conductivity (µS/cm)				
True Color (CU)				
Turbidity (NTU) (maximum induced turbidity)	8 NTU/24 h when background ≤ 8			
	8 NTU when background 8 < 80			
	10 % when background ≥ 80			
Hardness (Total) $CaCO_3$				
Total Dissolved Solids				
Total Alkalinity $CaCO_3$	< 10, highly sensitive to acid inputs			
	10 < 20, moderately sensitive			
	> 20, low sensitivity			
Bicarbonate Alkalinity HCO_3				
Carbonate Alkalinity CO_3				
Hydroxide Alkalinity OH				
Dissolved Fluoride F		H (mg/L)		
	0.2	40		
Dissolved Chloride Cl	600			
Nitrate and Nitrite (as N)				
Dissolved Nitrate (as N)	200		13	
Nitrite (as N)		Cl (mg/L)		
	0.06		0.06	
Dissolved Sulphate SO_4	100			
Chemical Oxygen Demand				
Total Organic Carbon C				
Ammonia Nitrogen N	Table 5 of BCWQ Guidelines[e]	pH, T		
Total Phosphorus P				
Total Phenolics			0.004	
Sulphide S				
Tannin and Lignin				
Metals				
Aluminum Al	If pH ≥ 6.5, 0.1	pH	0.005 if pH < 6.5; Ca < 4 mg/L; DOC < 2 mg/L	
If pH < 6.5, then	3.35013		0.1 if pH ≥ 6.5; Ca ≥ 4 mg/L; DOC ≥ 2 mg/L	
Antimony Sb	0.02[b]			
Arsenic As	0.005		0.005	
Barium Ba	5[b]			
Beryllium Be	0.0053[b]			
Bismuth Bi				
Boron B	1.2			
Cadmium Cd		H (mg/L)		H (mg/L)
	#NUM!		#NUM!	
Calcium Ca	< 4, highly sensitive to acid inputs			
	4 < 8, moderately sensitive			
	> 8, low sensitivity			
Chromium Cr	$.001^{VI}$, $.0089^{III}$	V[c]	$.001^{VI}$, $.0089^{III}$	V[c]
Cobalt Co	0.11			
Copper Cu		H (mg/L)		H (mg/L)
	0.00200		0.002	
Iron Fe	0.3[b]		0.3	
Lead Pb	If H ≤ 8 mg/l, 0.003	H (mg/L)		H (mg/L)
If H > 8 mg/l, then	#NUM!		0.001	
Lithium Li	0.87[b]			
Magnesium Mg				
Manganese Mn		H (mg/L)		
	0.54			
Mercury Hg	0.0001			
Molybdenum Mo	2		0.073	
Nickel Ni		H (mg/L)		H (mg/L)
	0.025		0.025	
Phosphorus P				
Potassium K				
Selenium Se	0.002 mean[d]		0.001	
Silicon Si				
Silver Ag		H (mg/L)		
	0.0001		0.0001	
Sodium Na				
Strontium Sr				
Tellurium Te				
Thallium Tl	0.0003		0.0008	
Thorium Th				
Tin Sn				
Titanium Ti				
Uranium U	0.3			
Vanadium V	0.006			
Zinc Zn		H (mg/L)		
	0.003	50	0.03	
Zirconium Zr				

a = 10 °C is assumed

b = working guideline (not approved)

c = Standard is valence dependent

d = based on at least five weekly samples taken over a 30=day period

e = http://www.llbc.leg.bc.ca/public/PubDocs/bcdocs/409645/approved_wq_guide.pdf of BC Water Quality Guidelines

Note:

Shaded boxes indicate calculated formulas based upon the indicated criteria. Example values have been placed in selected shaded boxes to show resultant guideline based upon the indicated parameter for example, for flouride, when the hardness (H) is 40 mg/L, the BCWG for flouride is 0.2 mg/L, otherwise blank values are interpreted as zero and formulas calculate guidelines based on zero hardness.

APPENDIX H

Plots of Selected Total Metal Concentrations Compared to TSS Levels from Analysis of Water Samples Taken at Peace River and Peace tributary sample sites between November 2006 - October 2008

August 2009
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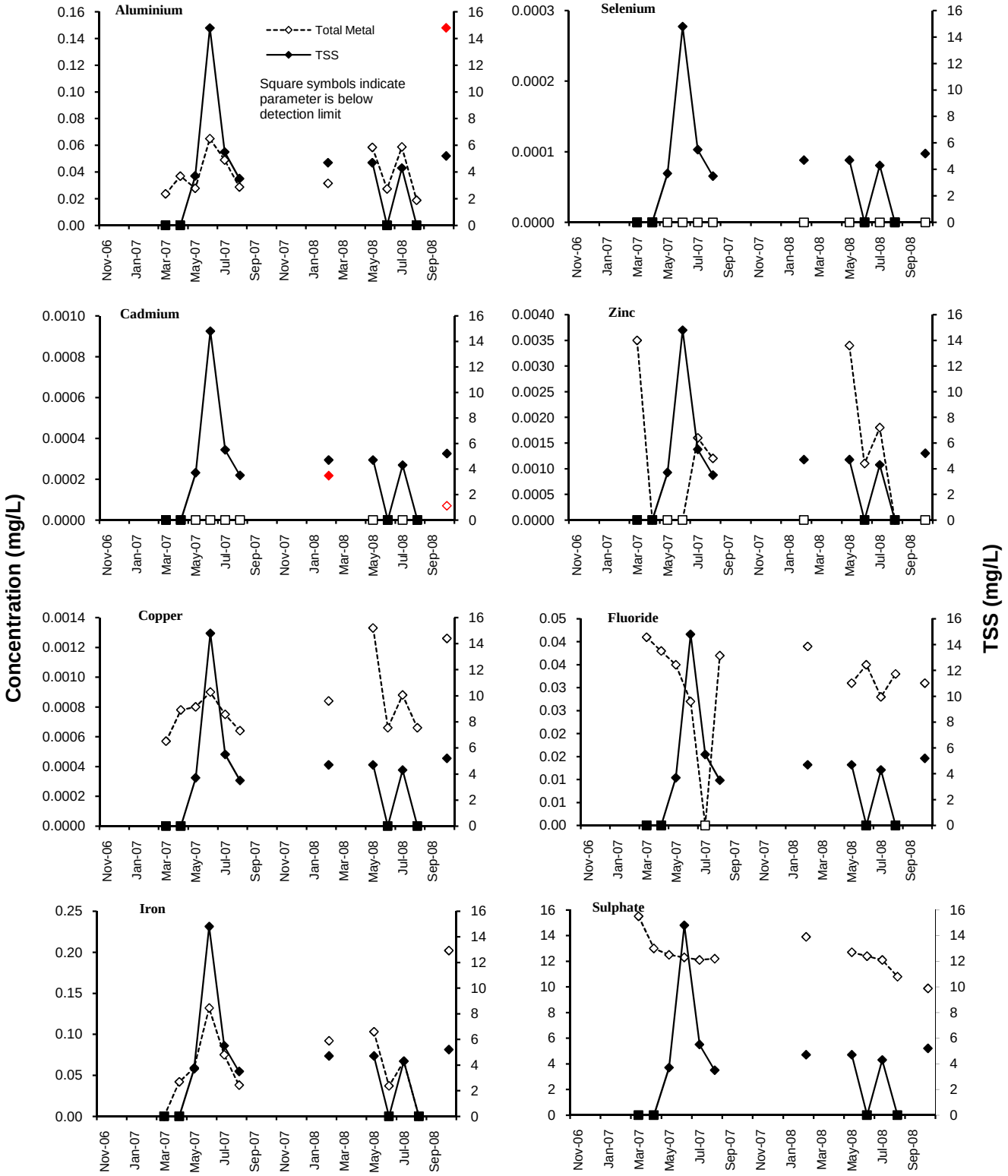
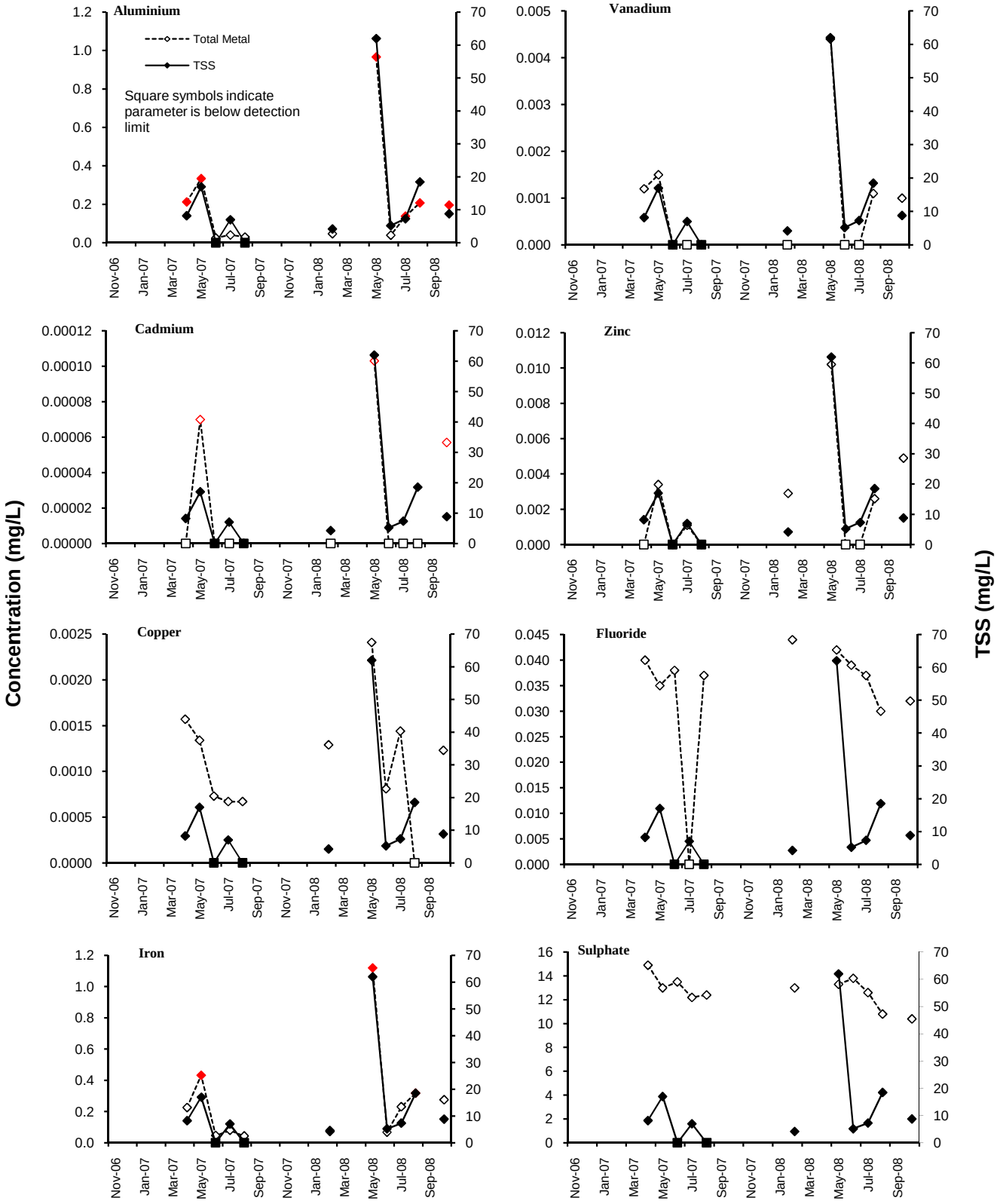
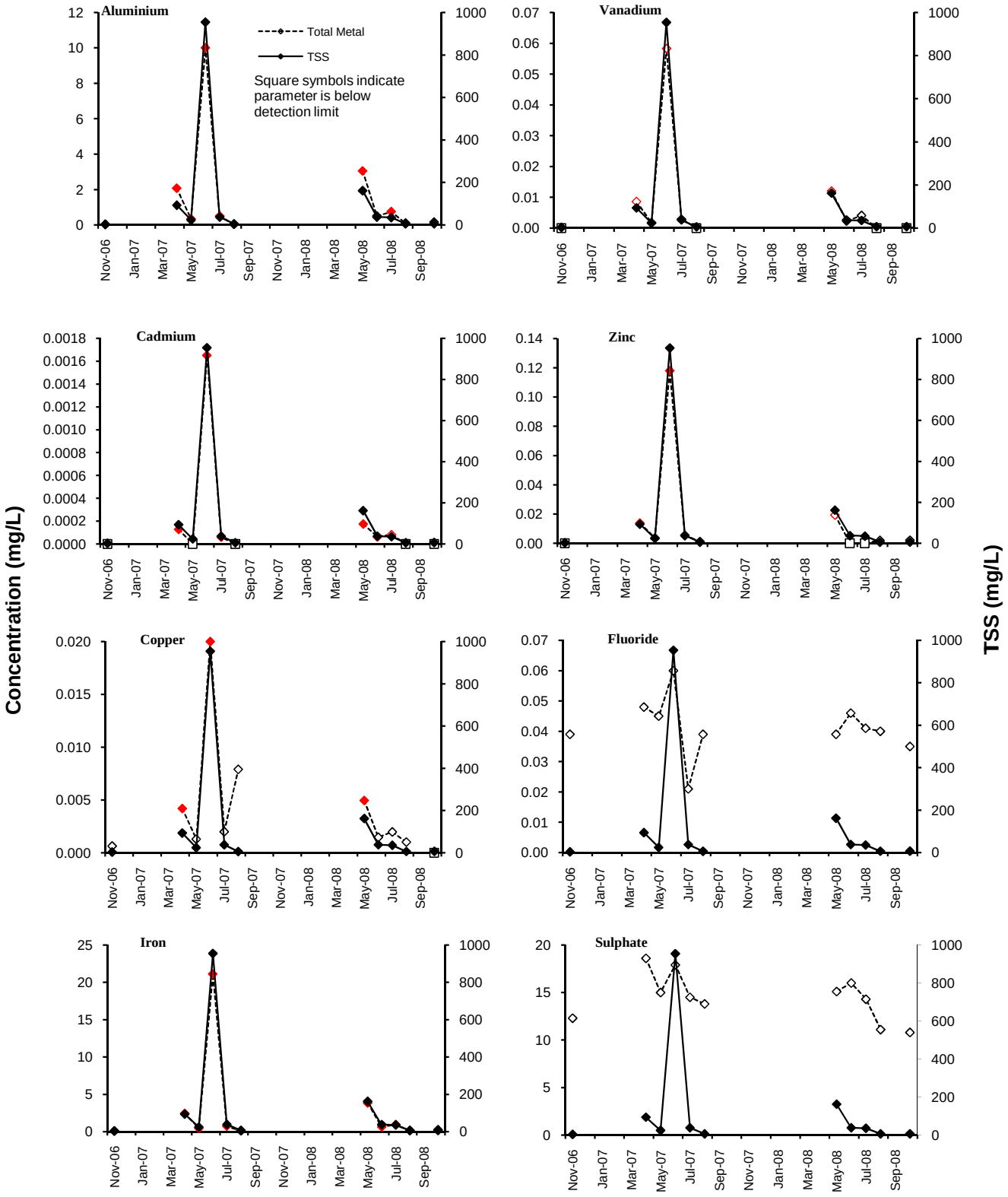
Golder Associates



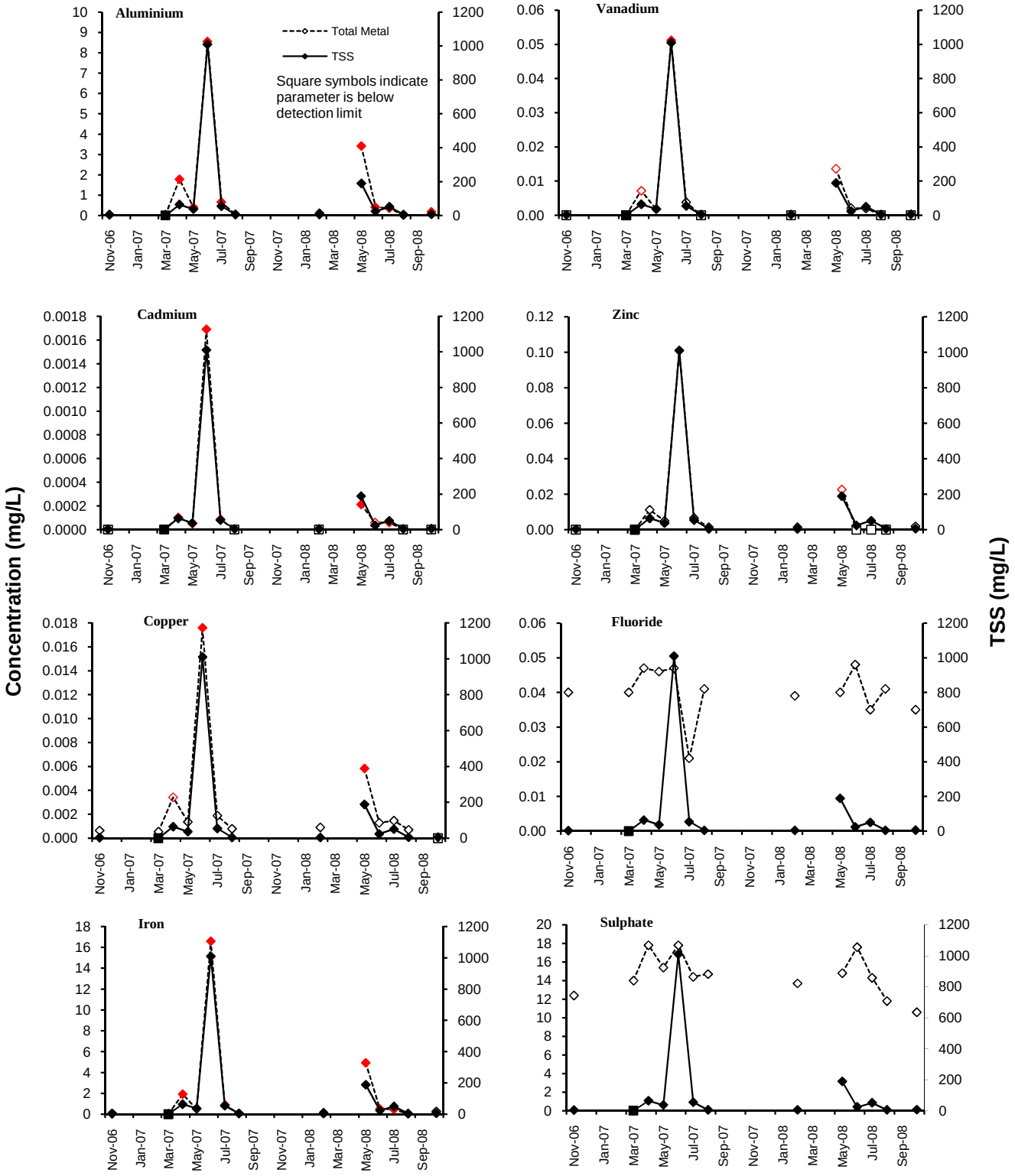
Appendix H1: **Plots of selected total metal concentrations compared to TSS levels at Peace 1 from analysis of water samples taken between November 2006 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



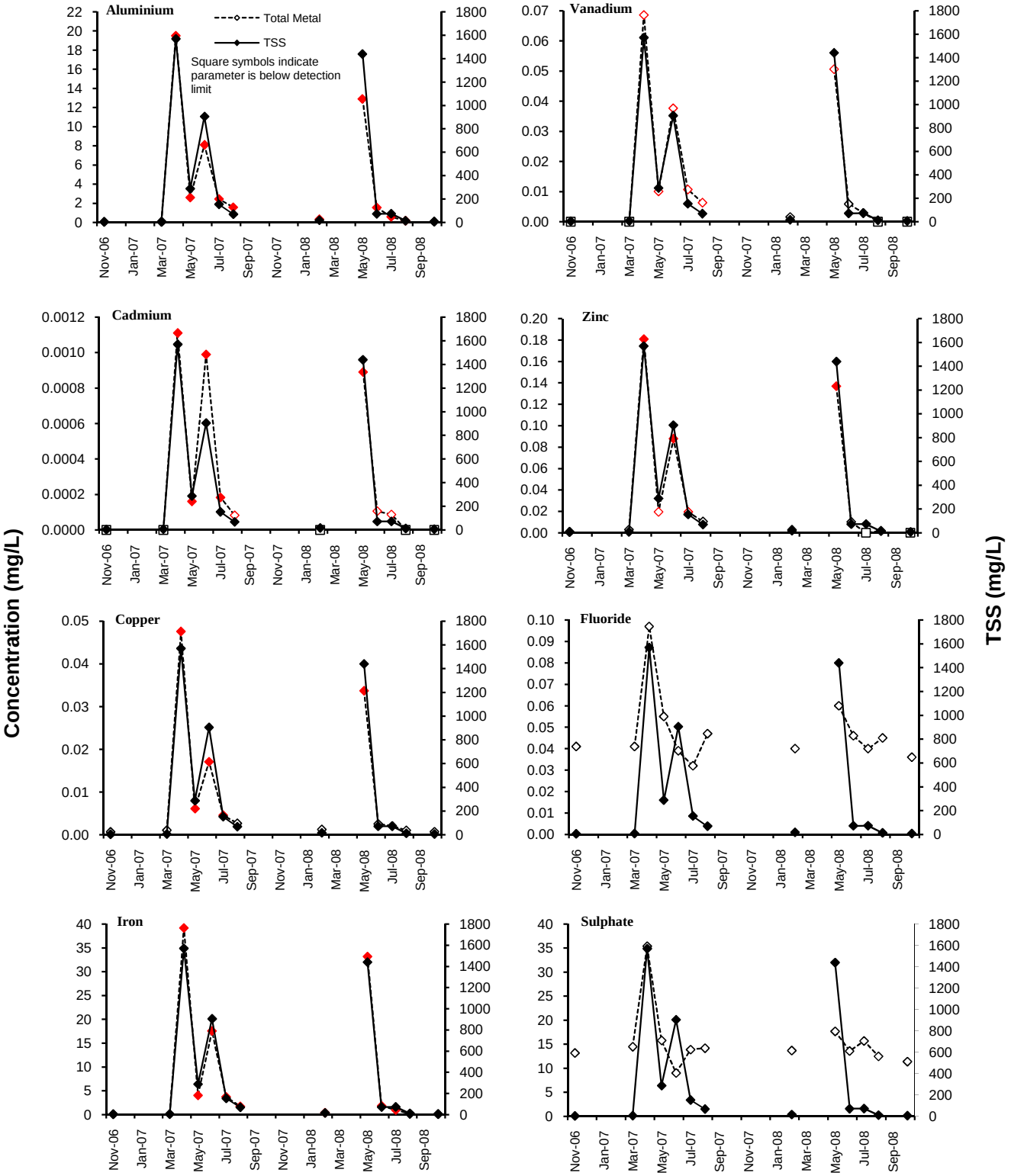
Appendix H2: **Plots of selected total metal concentrations compared to TSS levels at Peace 2 from analysis of water samples taken between November 2006 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



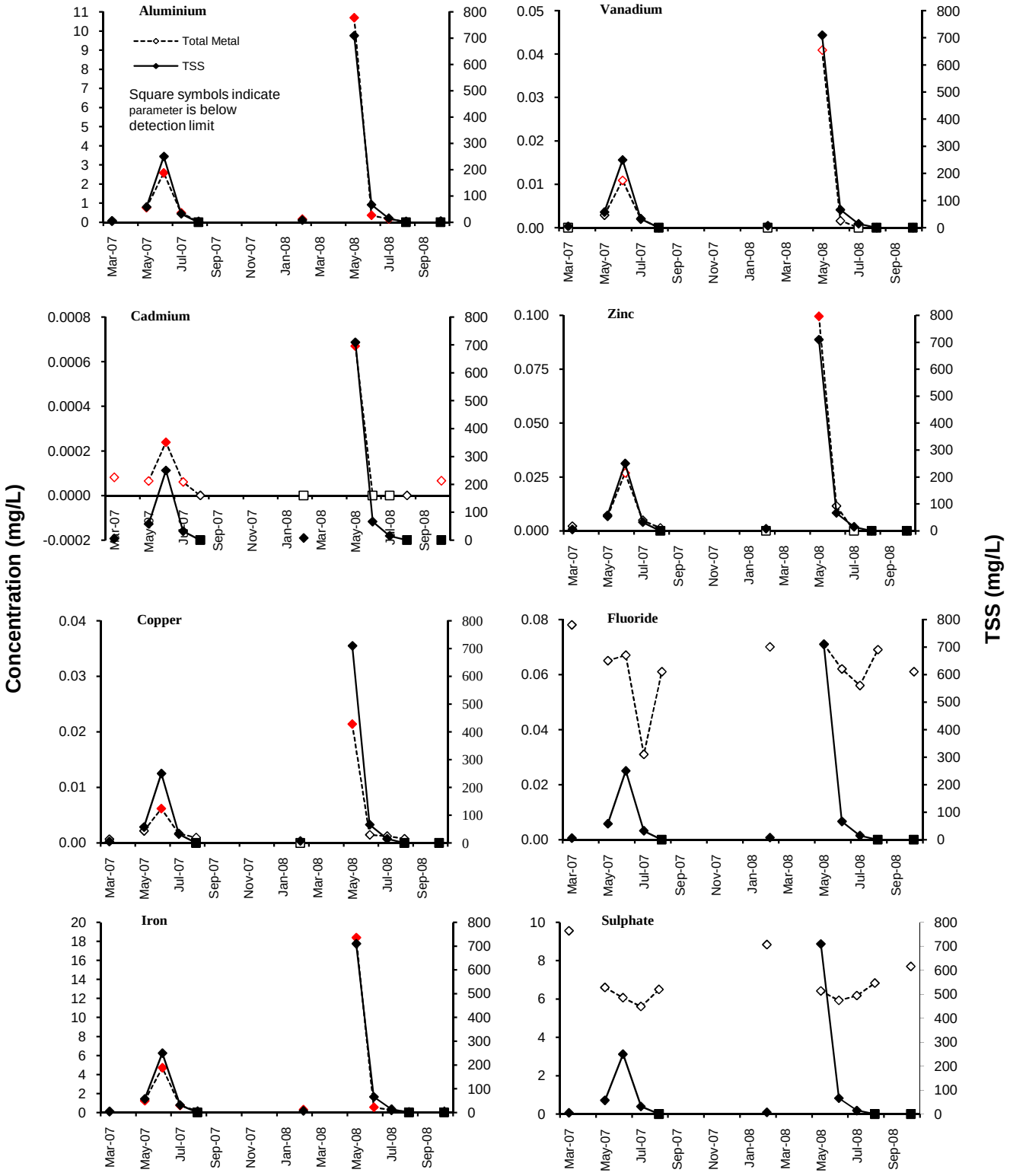
Appendix H3: **Plots of selected total metal concentrations compared to TSS levels at Peace 3 from analysis of water samples taken between November 2006 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



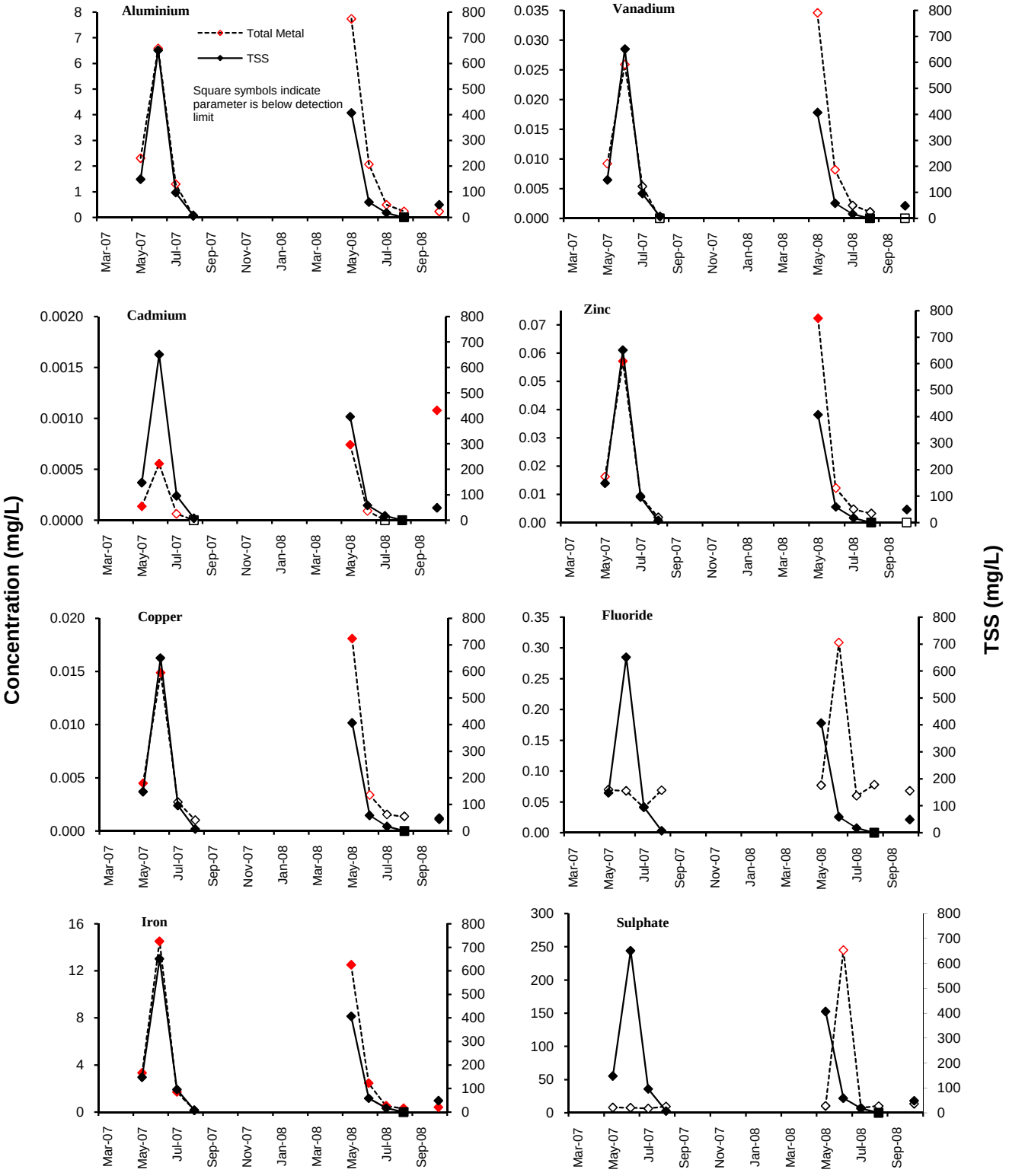
Appendix H4: **Plots of selected total metal concentrations compared to TSS levels at Peace 4 from analysis of water samples taken between November 2006 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



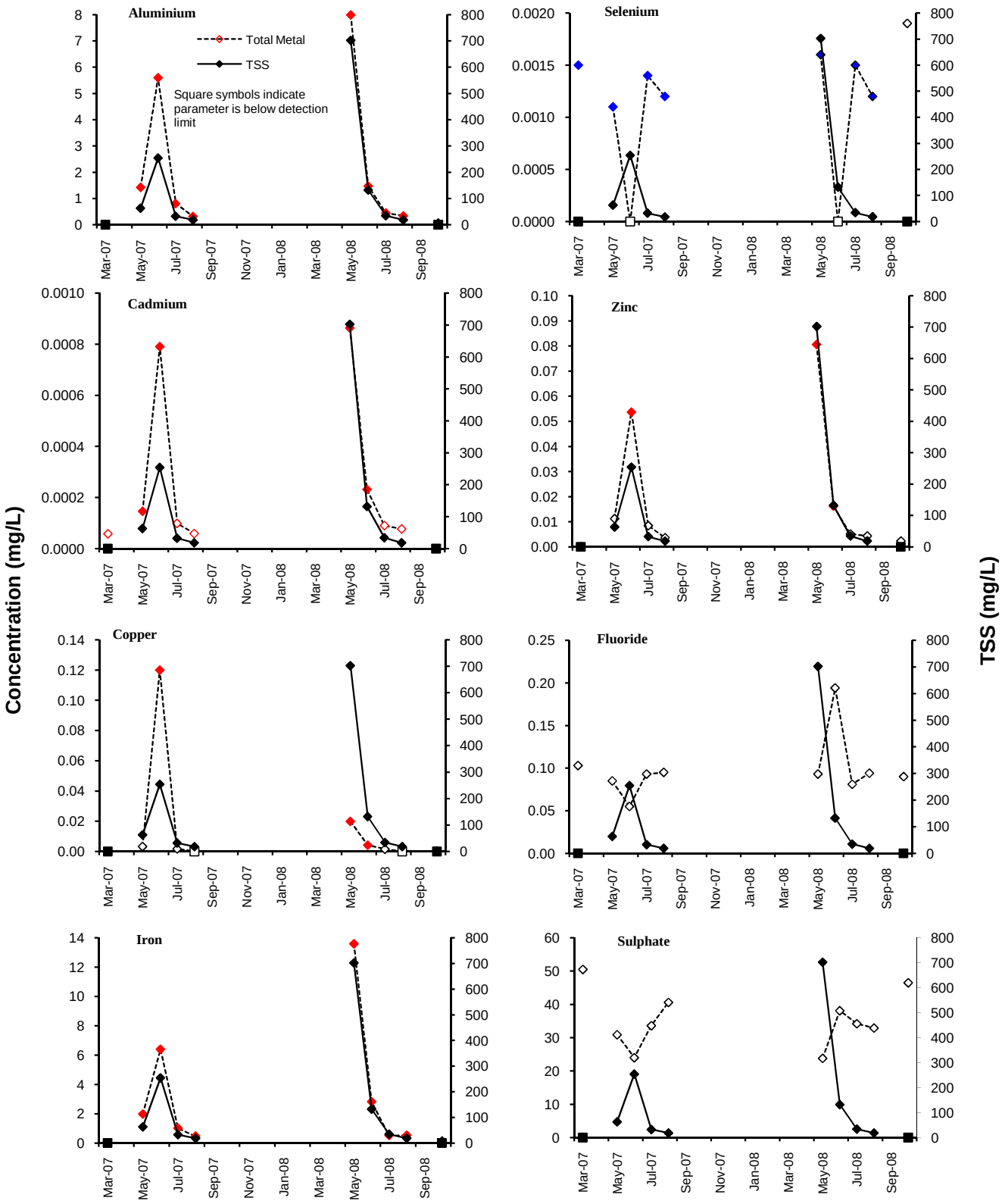
Appendix H5: **Plots of selected total metal concentrations compared to TSS levels at Peace 5 from analysis of water samples taken between November 2006 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



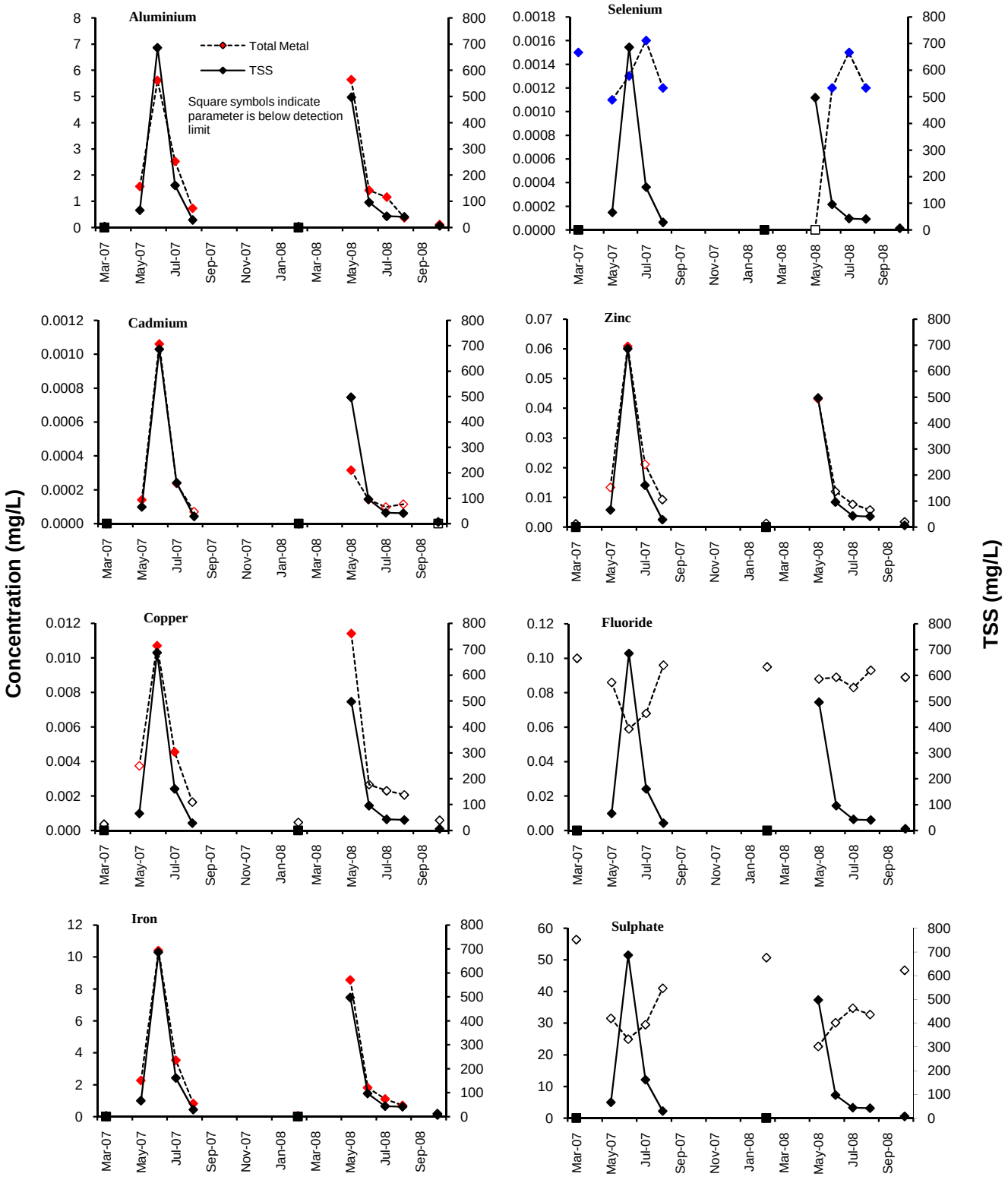
Appendix H6: **Plots of selected total metal concentrations compared to TSS levels at Moberly 6 from analysis of water samples taken between March 2007 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



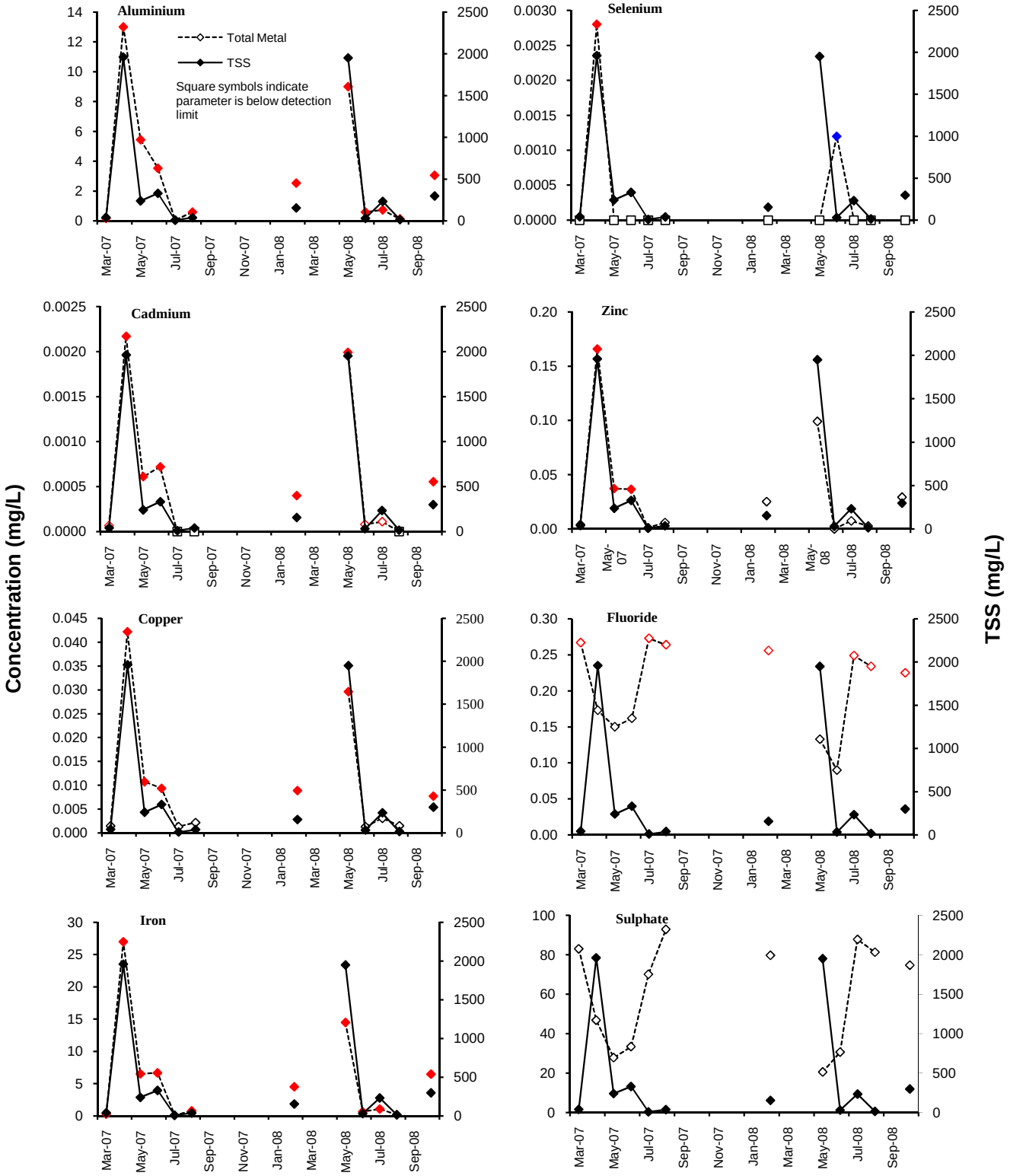
Appendix H7: **Plots of selected total metal concentrations compared to TSS levels at Moberly 7 from analysis of water samples taken between November 2007 and October 2008. Exceedances of guidelines for protection**



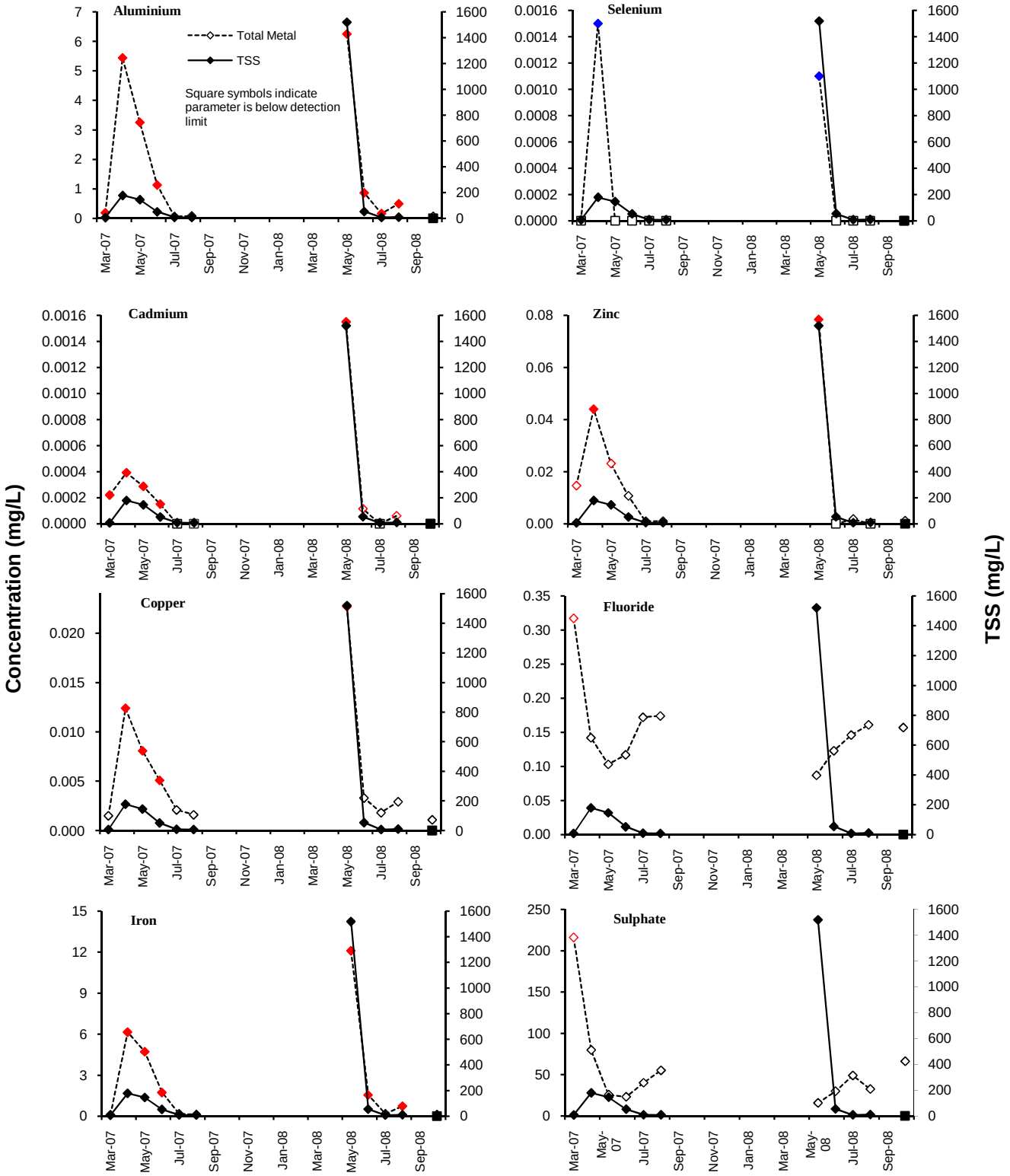
Appendix H8: **Plots of selected total metal concentrations compared to TSS levels at Halfway 8 from analysis of water samples taken between March 2007 to October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



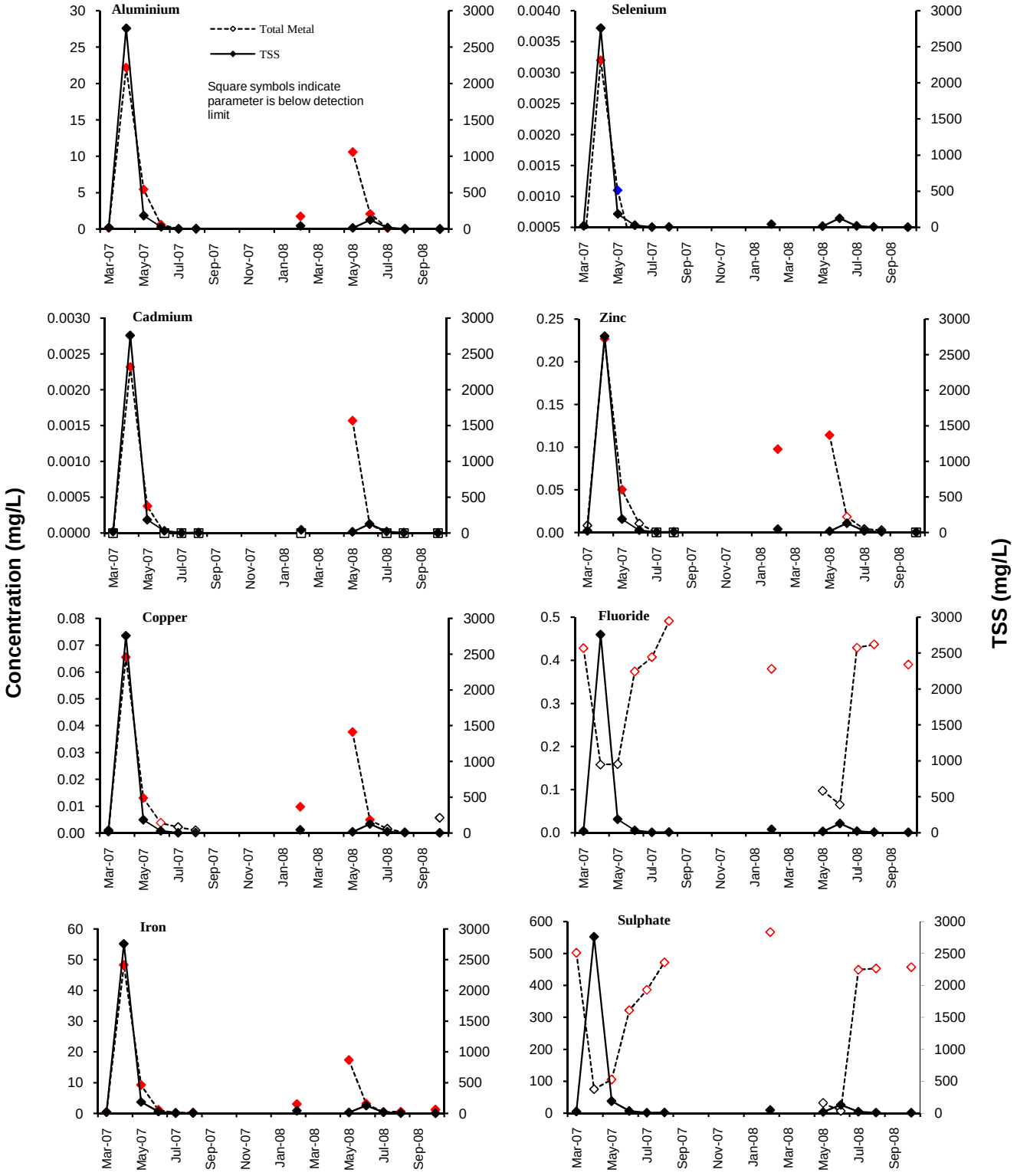
Appendix H9: **Plots of selected total metal concentrations compared to TSS levels at Halfway 9 from analysis of water samples taken between March 2007 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



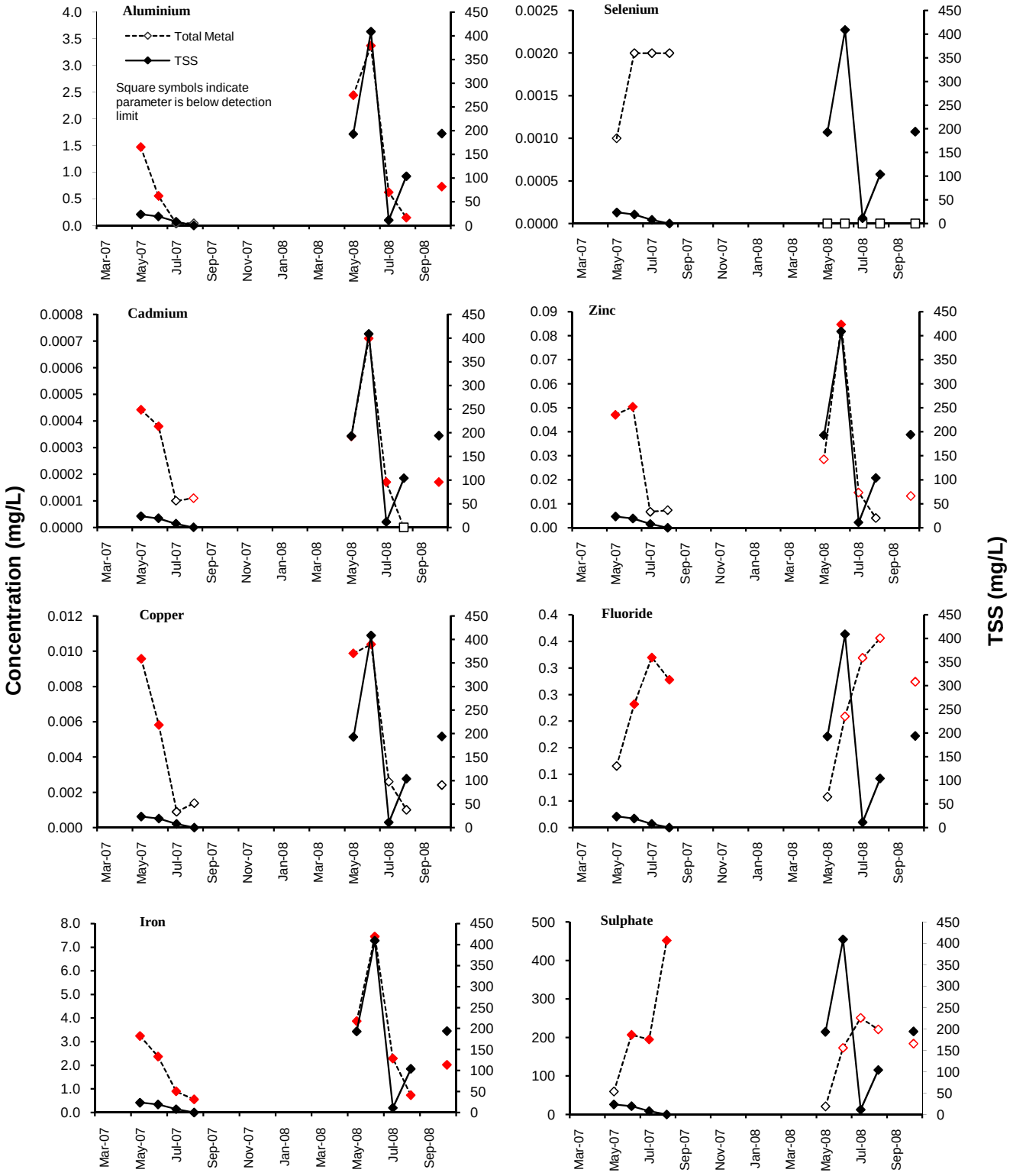
Appendix H10: **Plots of selected total metal concentrations compared to TSS levels at Lynx 10 from analysis of water samples taken between March 2007 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



Appendix H11: **Plots of selected total metal concentrations compared to TSS levels at Farrell 11 from analysis of water samples taken between March 2007 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



Appendix H12: **Plots of selected total metal concentrations compared to TSS levels at Cache 12 from analysis of water samples taken between March 2007 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**



Appendix H13: **Plots of selected total metal concentrations compared to TSS levels at Boudreau 13 from analysis of water samples taken between March 2007 and October 2008. Exceedances of guidelines for protection of fresh water aquatic life are indicated as BCWG = open red, CCME = solid blue, both = solid red.**

APPENDIX I

Water Level Measurements and Resultant Discharge Calculations from Lynx, Farrell, Cache and Boudreau Creeks from 2007 and 2008 study programs

August 2009
Report No. 08-1430-0016

Golder Associates

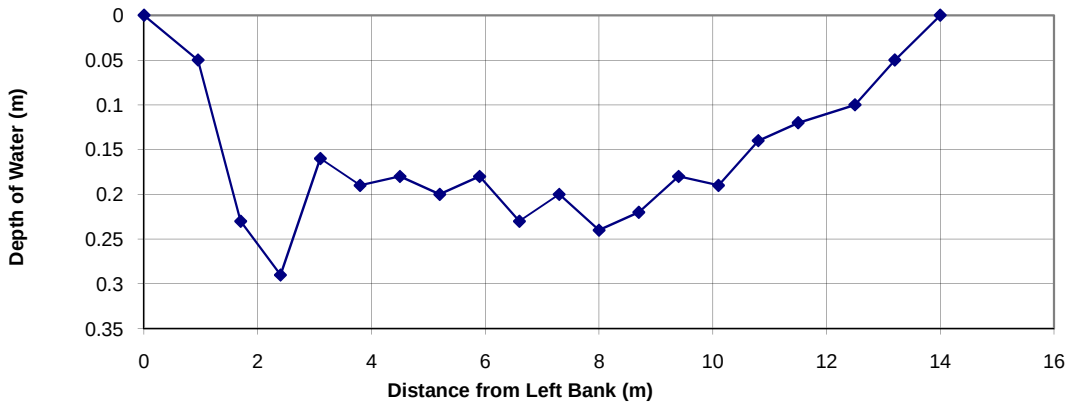
Appendix K-1a: Flow measurement at Cache Creek on May 17- 2007.

Flow Measurement Site # **Cache 12**
Date: 17-May-07
Time: 17:00 Measured by: MG/SH
Stage 1: 4.18 m down from old bridge

Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	0	0	0			
2	0.95	0.05	0.11	0.024	0.001	RWE 0.95
3	1.7	0.23	0.36	0.105	0.025	
4	2.4	0.29	0.33	0.182	0.063	
5	3.1	0.16	0.51	0.158	0.066	
6	3.8	0.19	0.46	0.123	0.059	
7	4.5	0.18	0.49	0.130	0.062	
8	5.2	0.20	0.49	0.133	0.065	
9	5.9	0.18	0.52	0.133	0.067	
10	6.6	0.23	0.36	0.144	0.063	
11	7.3	0.20	0.46	0.151	0.062	
12	8.0	0.24	0.38	0.154	0.065	
13	8.7	0.22	0.37	0.161	0.060	
14	9.4	0.18	0.40	0.140	0.054	
15	10.1	0.19	0.36	0.130	0.049	
16	10.8	0.14	0.36	0.116	0.042	
17	11.5	0.12	0.36	0.091	0.033	
18	12.5	0.10	0.29	0.110	0.036	
19	13.2	0.05	0.18	0.053	0.012	
20	14	0	0	0.020	0.002	LWE 14.0
	TOTAL			**2.25**	**0.885**	
			Wetted Width (Ww)	14.0		
			Mean Wetted Depth (Dw)	0.161		

Flow Measurement Section at Cache Creek

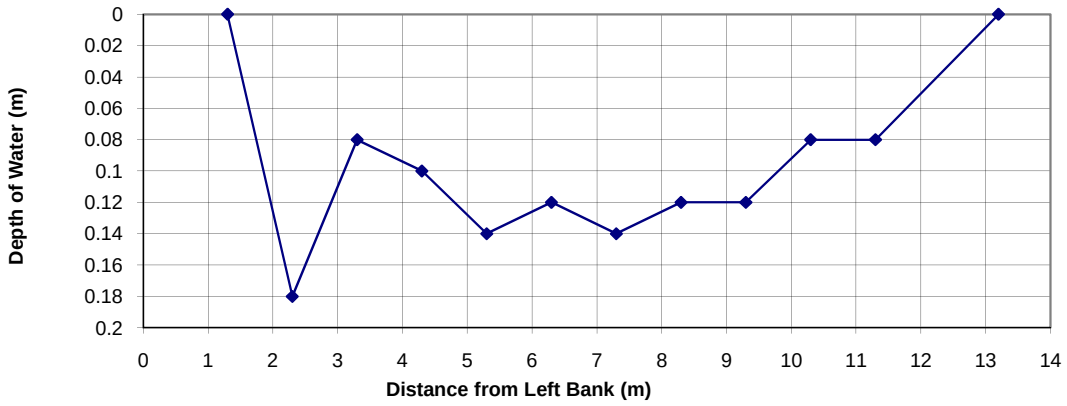


Appendix K-1b: Flow measurement at Cache Creek on Jun 12- 2007.

Flow Measurement Site # **Cache 12**
Date: 06-Jun-07
Time: Measured by: MG/SH
Stage 1: 4.32 m down from old bridge
Stage 2: 0.76 m down on piling of Temporary bridge
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	1.30	0	0			RWE 1.3
2	2.30	0.18	0.05	0.090	0.002	
3	3.30	0.08	0.10	0.130	0.010	
4	4.30	0.10	0.12	0.090	0.010	
5	5.30	0.14	0.15	0.120	0.016	
6	6.30	0.12	0.15	0.130	0.020	
7	7.30	0.14	0.18	0.130	0.021	
8	8.30	0.12	0.20	0.130	0.025	
9	9.30	0.12	0.18	0.120	0.023	
10	10.30	0.08	0.12	0.100	0.015	
11	11.30	0.08	0.07	0.080	0.008	
12	13.20	0	0	0.076	0.003	LWE 13.20
	TOTAL			**1.20**	**0.152**	
			Wetted Width	11.9		
			Mean Wetted Depth	0.101		

Flow Measurement Section at Cache Creek

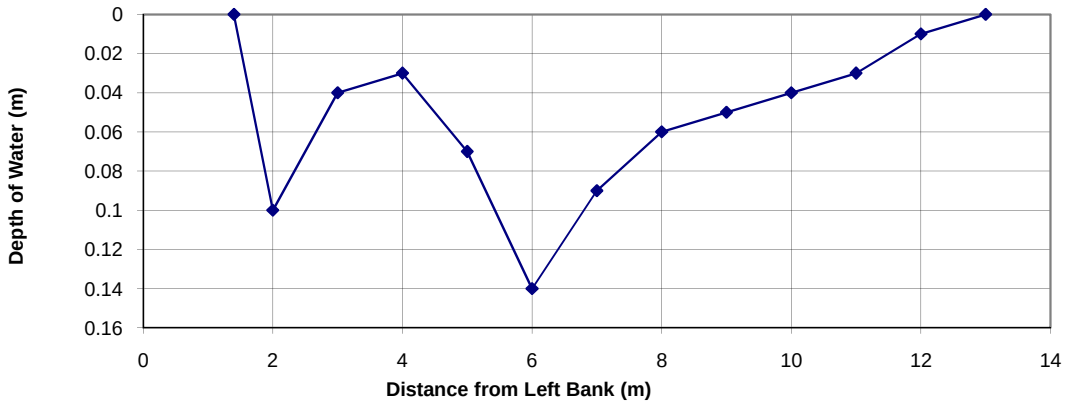


Appendix K-1c: Flow measurement at Cache Creek on July 8 - 2007.

Flow Measurement Site # **Cache 12**
Date: 08-Jul-07
Time: 15:00 Measured by: SH/HP
Stage 1: 4.34 m down from old bridge
Stage 2: n/a m down on piling of Temporary bridge
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	1.40	0	0			RWE 1.40
2	2.00	0.10	0.01	0.030	0.000	
3	3.00	0.04	0.01	0.070	0.001	
4	4.00	0.03	0.01	0.035	0.000	
5	5.00	0.07	0.11	0.050	0.003	
6	6.00	0.14	0.12	0.105	0.012	
7	7.00	0.09	0.04	0.115	0.009	
8	8.00	0.06	0.17	0.075	0.008	
9	9.00	0.05	0.10	0.055	0.007	
10	10.00	0.04	0.06	0.045	0.004	
11	11.00	0.03	0.07	0.035	0.002	
12	12.00	0.01	0.03	0.020	0.001	
13	13.00	0	0	0.005	0.000	LWE 13
	TOTAL			**0.64**	**0.048**	
			Wetted Width	11.6		
			Mean Wetted Depth	0.055		

Flow Measurement Section at Cache Creek

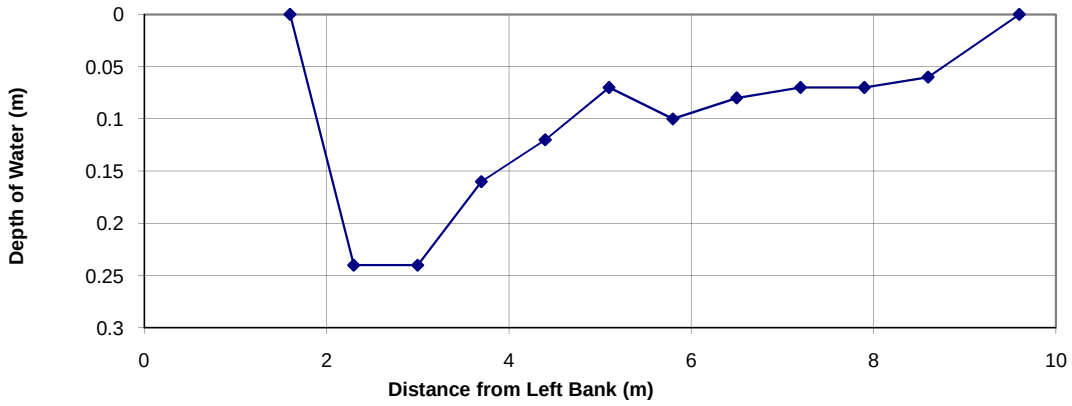


Appendix K-1d: Flow measurement at Cache Creek on August 16 - 2007.

Flow Measurement Site # **Cache 12**
Date: 16-Aug-07
Time: 17:45 Measured by: SH/HP
Stage 1: 4.41 m down from old bridge
Stage 2: 1.15 m down on piling of Temporary bridge
Stage 3:
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	1.60	0	0			RWE 1.6
2	2.30	0.24	0	0.084	0.000	
3	3.00	0.24	0	0.168	0.000	
4	3.70	0.16	0	0.140	0.000	
5	4.40	0.12	0	0.098	0.000	
6	5.10	0.07	0	0.066	0.000	
7	5.80	0.10	0	0.060	0.000	
8	6.50	0.08	0	0.063	0.000	
9	7.20	0.07	0	0.053	0.000	
10	7.90	0.07	0	0.049	0.000	
11	8.60	0.06	0	0.046	0.000	
12	9.60	0	0	0.030	0.000	LWE 9.6
	TOTAL			**0.86**	**0.00**	
			Wetted Width	8.0		
			Mean Wetted Depth	0.107		

Flow Measurement Section at Cache Creek

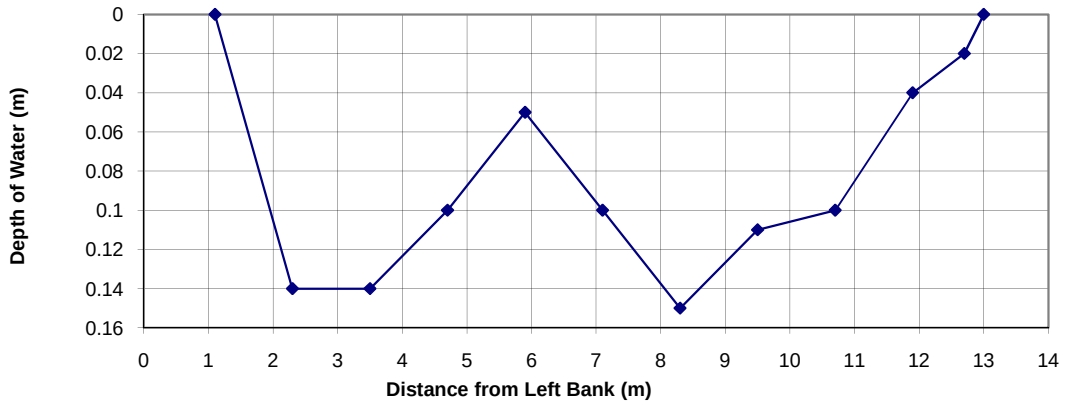


Appendix K-1e: Flow measurement at Cache Creek on June 13 - 2008.

Flow Measurement Site # **Cache 12**
Date: 13-Jun-08
Time: 19:15 Measured by: SH/PB
Stage 1: n/a
Stage 2: 1.13 m down on piling of Temporary bridge
Stage 3: 0.03 0.028 m from top of pin place in stream to water level
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	1.10	0.00	0.00			LWE 1.1
2	2.30	0.14	0.11	0.084	0.005	
3	3.50	0.14	0.08	0.168	0.016	
4	4.70	0.10	0.11	0.144	0.014	
5	5.90	0.05	0.12	0.090	0.010	
6	7.10	0.10	0.23	0.090	0.016	
7	8.30	0.15	0.15	0.150	0.029	
8	9.50	0.11	0.12	0.156	0.021	
9	10.70	0.10	0.07	0.126	0.012	
10	11.90	0.04	0.03	0.084	0.004	
11	12.70	0.02	0.01	0.024	0.000	
12	13.00	0.00	0	0.003	0.000	RWE 13.0
	TOTAL			**1.12**	**0.127**	
			Wetted Width	11.9		
			Mean Wetted Depth	0.094		

Flow Measurement Section at Cache Creek

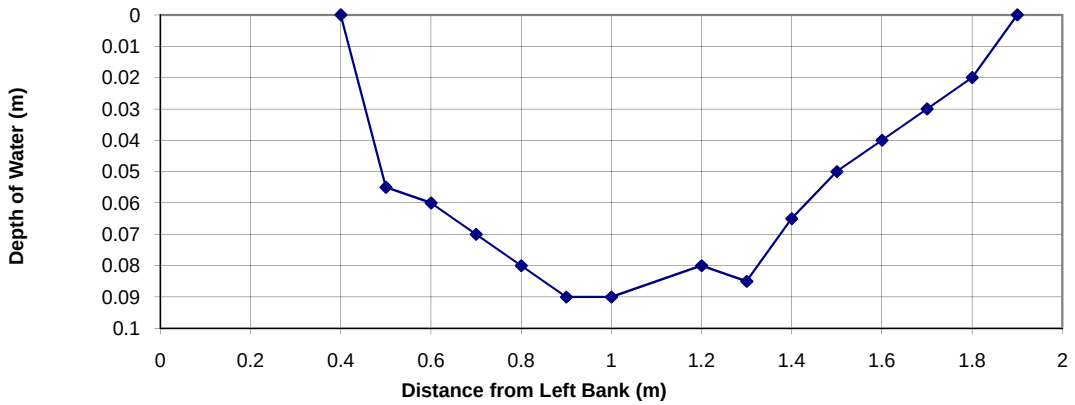


Appendix K-1f: Flow measurement at Cache Creek on October 31 - 2008.

Flow Measurement Site # **Cache 12**
Date: 31-Oct-08
Time: 15:15 Measured by: SH/MG
Stage 1: n/a Old Bridge removed
Stage 2: n/a Temporary bridge removed
Stage 3: 0.365 0.028 m from top of pin place in stream to water level
Stage 4: 7.328 m down from mark on new bridge 9 blocks from west abuttment face (12.66m)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	0.40	0.000	0.000			RWE 0.4
2	0.50	0.055	0.000	0.003	0.00000	
3	0.60	0.060	0.003	0.006	0.00001	
4	0.70	0.070	0.009	0.007	0.00004	
5	0.80	0.080	0.009	0.008	0.00007	
6	0.90	0.090	0.009	0.009	0.00008	
7	1.00	0.090	0.009	0.009	0.00008	
8	1.20	0.080	0.009	0.017	0.00016	
9	1.30	0.085	0.009	0.008	0.00008	
10	1.40	0.065	0.009	0.007	0.00007	
11	1.50	0.050	0.003	0.006	0.00004	
12	1.60	0.040	0.003	0.005	0.00001	
13	1.70	0.030	0.000	0.004	0.00001	
14	1.80	0.020	0.000	0.003	0.00000	
15	1.90	0.000	0.000	0.001	0.00000	
	TOTAL		**0.073**	**0.090**	**0.0006**	
			Wetted Width	1.5		
			Mean Wetted Depth	0.060		

Flow Measurement Section at Cache Creek

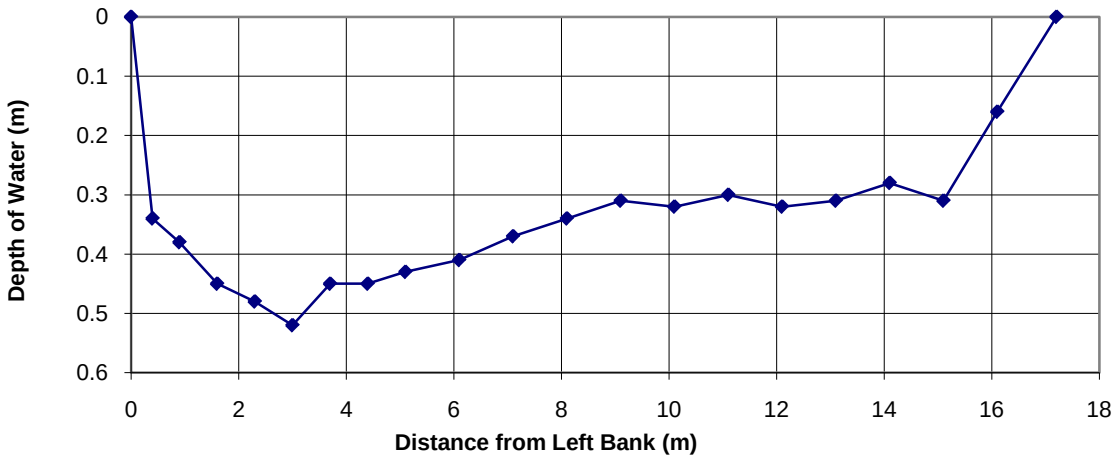


Appendix i-2a: Flow measurement at Farrell Creek on May 17 - 2007.

Flow Measurement Site # **Farrell 11**
Date: 17-May-07
Time: 14:15 Measured by: MG/SH
Stage 1 (m) 0.68 staff gauge (m)
Weather (if noticeable):

S.No.	W_n (m)	Y_n (m)	V1_0.6 (m/s)	A (m^2) (m^2)	Q (m^3/s) (m^3/s)	Remarks
1	0	0				
2	0.4	0.34	0.15	0.068	0.005	LWE 0.4
3	0.9	0.38	0.65	0.180	0.072	
4	1.6	0.45	0.79	0.291	0.209	
5	2.3	0.48	0.96	0.326	0.285	
6	3	0.52	0.97	0.350	0.338	
7	3.7	0.45	1.02	0.340	0.338	
8	4.4	0.45	0.88	0.315	0.299	
9	5.1	0.43	0.91	0.308	0.276	
10	6.1	0.41	0.83	0.420	0.365	
11	7.1	0.37	0.76	0.390	0.310	
12	8.1	0.34	0.66	0.355	0.252	
13	9.1	0.31	0.6	0.325	0.205	
14	10.1	0.32	0.58	0.315	0.186	
15	11.1	0.30	0.63	0.310	0.188	
16	12.1	0.32	0.53	0.310	0.180	
17	13.1	0.31	0.58	0.315	0.175	
18	14.1	0.28	0.48	0.295	0.156	
19	15.1	0.31	0.57	0.295	0.155	
20	16.1	0.16	0.26	0.235	0.098	
21	17.2	0	0	0.088	0.011	RWE 17.2
	TOTAL			**5.83**	**4.10**	
			Wetted Width (Ww)	17.2		
			Mean Wetted Depth (Dw)	0.339		

Flow Measurement Section at Farrell Creek



Appendix i-2b: Flow measurement at Farrell Creek on June 6 - 2007.

Flow Measurement Site # **Farrell 11**
Date: 06-Jun-07
Time: 14:00 Measured by: MG/SH
Stage 1 (m) 0.60 staff gauge (m)
Weather (if noticeable): Overcast, partly sunny, 4-6 ºC, felt very cold after 20 minutes of standing

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	9.60	0.00	0.00			RWE 9.6
2	10.60	0.14	0.26	0.070	0.009	
3	11.60	0.25	0.48	0.195	0.072	
4	12.60	0.23	0.49	0.240	0.116	
5	13.60	0.25	0.47	0.240	0.115	
6	14.60	0.29	0.54	0.270	0.136	
7	15.60	0.29	0.48	0.290	0.148	
8	16.60	0.30	0.43	0.295	0.134	
9	17.60	0.30	0.48	0.300	0.137	
10	18.60	0.32	0.55	0.310	0.160	
11	19.60	0.36	0.57	0.340	0.190	
12	20.60	0.36	0.66	0.360	0.221	
13	21.60	0.36	0.68	0.360	0.241	
14	22.60	0.40	0.76	0.380	0.274	
15	23.60	0.46	0.67	0.430	0.307	
16	24.60	0.42	0.58	0.440	0.275	
17	25.60	0.32	0.41	0.370	0.183	
18	26.00	0.24	0.16	0.112	0.032	LWE 26.0
	TOTAL			**5.00**	**2.75**	
			Wetted Width	16.4		
			Mean Wetted Depth	0.305		

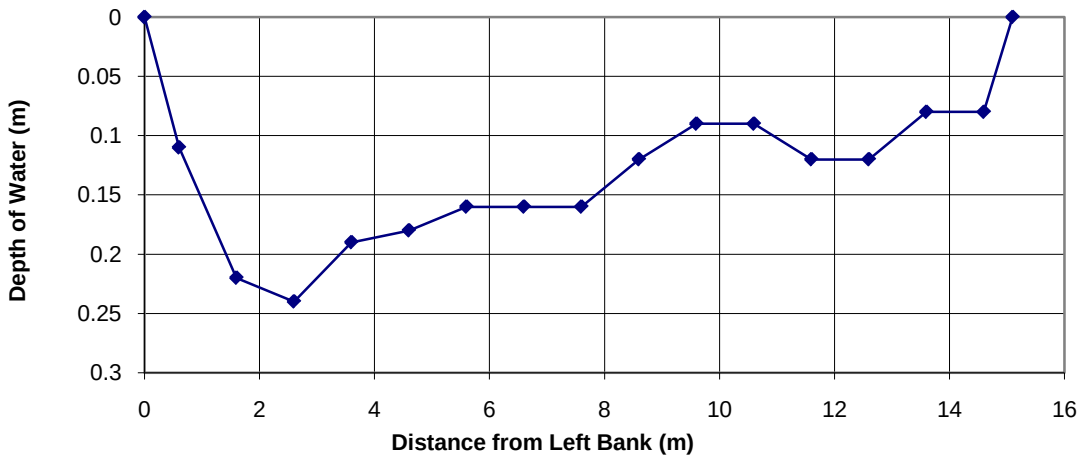
Flow Measurement Section at Farrell Creek

Appendix i-2c: Flow measurement at Farrell Creek on July 8 - 2007.

Flow Measurement Site # **Farrell 11**
Date: 08-Jul-07
Time: 13:40 Measured by:SH/HP
Stage 1 (m) 0.29 staff gauge (m)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	0.00	0.00	0.00			
2	0.60	0.11	0.10	0.033	0.002	LWE 0.5
3	1.60	0.22	0.14	0.165	0.020	
4	2.60	0.24	0.17	0.230	0.036	
5	3.60	0.19	0.20	0.215	0.040	
6	4.60	0.18	0.21	0.185	0.038	
7	5.60	0.16	0.16	0.170	0.031	
8	6.60	0.16	0.15	0.160	0.025	
9	7.60	0.16	0.08	0.160	0.018	
10	8.60	0.12	0.11	0.140	0.013	
11	9.60	0.09	0.06	0.105	0.009	
12	10.60	0.09	0.09	0.090	0.007	
13	11.60	0.12	0.25	0.105	0.018	
14	12.60	0.12	0.27	0.120	0.031	
15	13.60	0.08	0.30	0.000	0.000	
16	14.60	0.08	0.24	0.080	0.022	
17	15.10	0	0	0.020	0.002	RWE 15.1
	TOTAL			**1.98**	**0.31**	
			Wetted Width	15.1		
			Mean Wetted Depth	0.131		

Flow Measurement Section at Farrell Creek

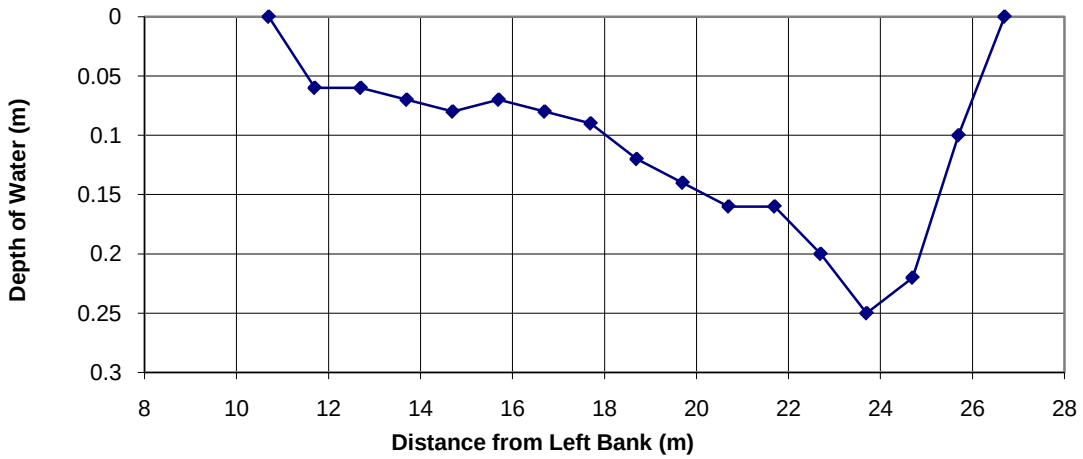


Appendix i-2d: Flow measurement at Farrell Creek on Aug 16 - 2007.

Flow Measurement Site # **Farrell 11**
Date: 16-Aug-07
Time: 11:00 Measured by: SH/PB
Stage 1 (m) 0.22 staff gauge (m)

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	10.70	0.00	0.00			RWE 10.7
2	11.70	0.06	0.19	0.030	0.003	
3	12.70	0.06	0.27	0.060	0.014	
4	13.70	0.07	0.24	0.065	0.017	
5	14.70	0.08	0.21	0.075	0.017	
6	15.70	0.07	0.27	0.075	0.018	
7	16.70	0.08	0.20	0.075	0.018	
8	17.70	0.09	0.10	0.085	0.013	
9	18.70	0.12	0.10	0.105	0.011	
10	19.70	0.14	0.08	0.130	0.012	
11	20.70	0.16	0.07	0.150	0.011	
12	21.70	0.16	0.08	0.160	0.012	
13	22.70	0.20	0.09	0.180	0.015	
14	23.70	0.25	0.07	0.225	0.018	
15	24.70	0.22	0.09	0.235	0.019	
16	25.70	0.1	0.05	0.160	0.011	
17	26.70	0	0	0.050	0.001	LWE 26.7
	TOTAL			**1.86**	**0.21**	
			Wetted Width	16.0		
			Mean Wetted Depth	0.116		

Flow Measurement Section at Farrell Creek (distance from bank reversed)

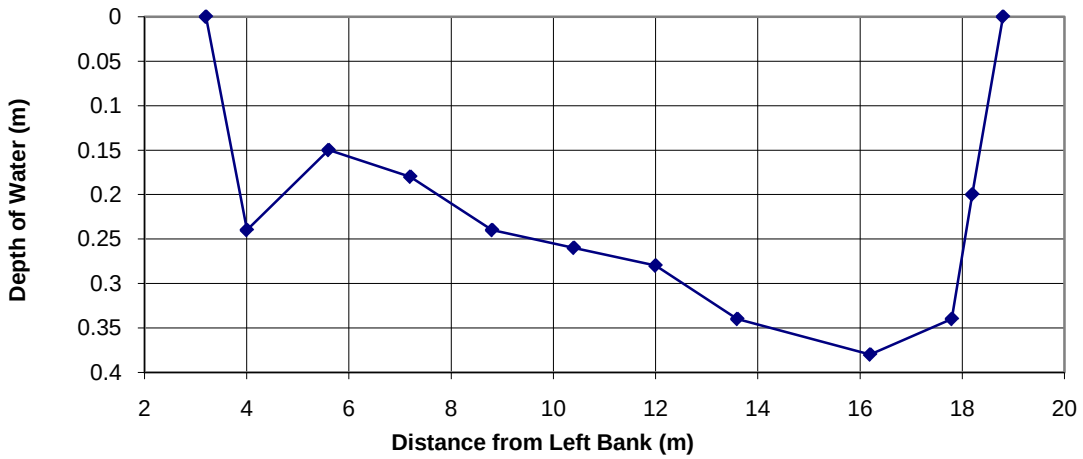


Appendix i-2e: Flow measurement at Farrell Creek on June 8 - 2008.

Flow Measurement Site # **Farrell 11**
Date: 12-Jun-08
Time: 13:20 Measured by: SH/PB
Stage 1: 0.56 staff gauge (m)
Stage 2: 1.48 distance to mark on piling (m)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	3.20	0.00	0.00			LWE 3.2
2	4.00	0.24	0.00	0.096	0.000	
3	5.60	0.15	0.26	0.312	0.041	
4	7.20	0.18	0.48	0.264	0.098	
5	8.80	0.24	0.49	0.336	0.163	
6	10.40	0.26	0.47	0.400	0.192	
7	12.00	0.28	0.54	0.432	0.218	
8	13.60	0.34	0.48	0.496	0.253	
9	16.20	0.38	0.43	0.936	0.426	
10	17.80	0.34	0.48	0.576	0.262	
11	18.20	0.20	0.55	0.108	0.056	
12	18.80	0.00	0	0.060	0.017	RWE 18.8
	TOTAL			**4.02**	**1.72**	
			Wetted Width	15.6		
			Mean Wetted Depth	0.257		

Flow Measurement Section at Farrell Creek

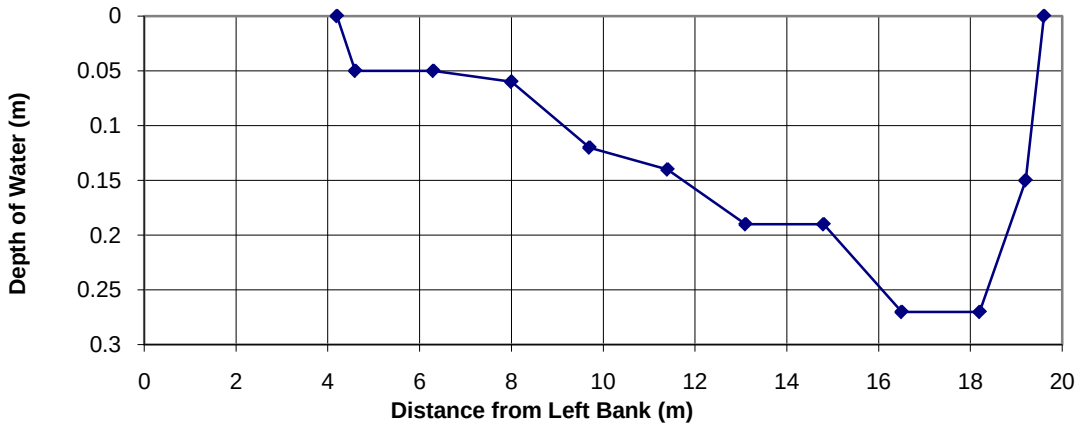


Appendix i-2f: Flow measurement at Farrell Creek on July 10 - 2008.

Flow Measurement Site # **Farrell 11**
Date: 10-Jul-08
Time: 11:00 Measured by: SH/KE
Stage 1: n/a
Stage 2: 1.56 distance to mark on piling (m)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	4.20	0.00	0.00			LWE 4.20
2	4.60	0.05	0.08	0.010	0.000	
3	6.30	0.05	0.06	0.085	0.006	
4	8.00	0.06	0.06	0.094	0.006	
5	9.70	0.12	0.08	0.153	0.011	
6	11.40	0.14	0.11	0.221	0.021	
7	13.10	0.19	0.13	0.281	0.034	
8	14.80	0.19	0.14	0.323	0.044	
9	16.50	0.27	0.14	0.391	0.055	
10	18.20	0.27	0.09	0.459	0.053	
11	19.20	0.15	0.04	0.210	0.014	
12	19.60	0.00	0	0.030	0.001	RWE 19.6
	TOTAL			**2.26**	**0.24**	
			Wetted Width	15.4		
			Mean Wetted Depth	0.146		

Flow Measurement Section at Farrell Creek

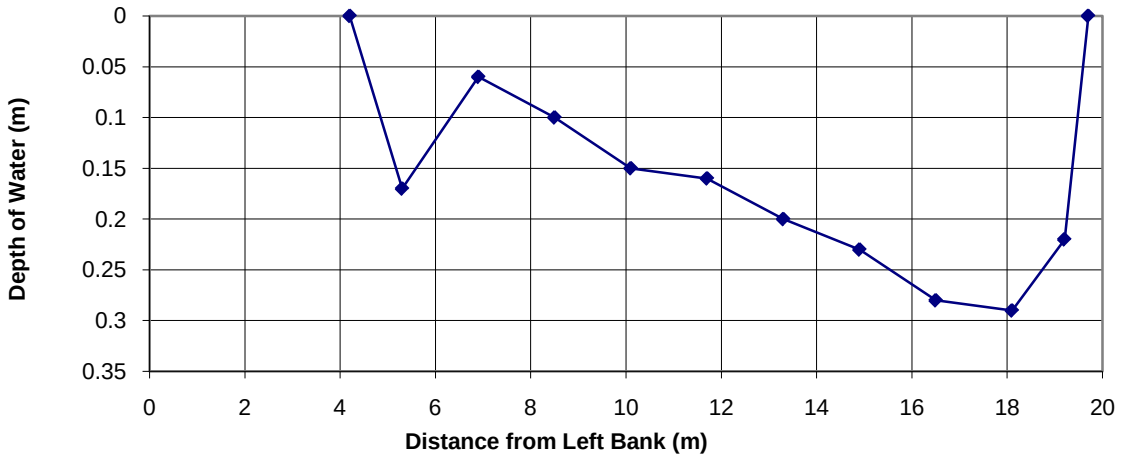


Appendix i-2g: Flow measurement at Farrell Creek on August 29 - 2008.

Flow Measurement Site # **Farrell 11**
Date: 29-Aug-08
Time: Measured by: MG/LS
Stage 1: n/a
Stage 2: 1.55 distance to mark on piling (m)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	19.70	0.00	0.00			RWE
2	19.20	0.22	0.09	0.055	0.002	
3	18.10	0.29	0.14	0.280	0.032	
4	16.50	0.28	0.18	0.456	0.073	
5	14.90	0.23	0.18	0.408	0.073	
6	13.30	0.20	0.15	0.344	0.057	
7	11.70	0.16	0.18	0.288	0.048	
8	10.10	0.15	0.16	0.248	0.042	
9	8.50	0.10	0.19	0.200	0.035	
10	6.90	0.06	0.08	0.128	0.017	
11	5.30	0.17	0.19	0.184	0.025	
12	4.20	0.00	0	0.094	0.009	LWE
	TOTAL			**2.69**	**0.41**	
			Wetted Width	15.5		
			Mean Wetted Depth	0.173		

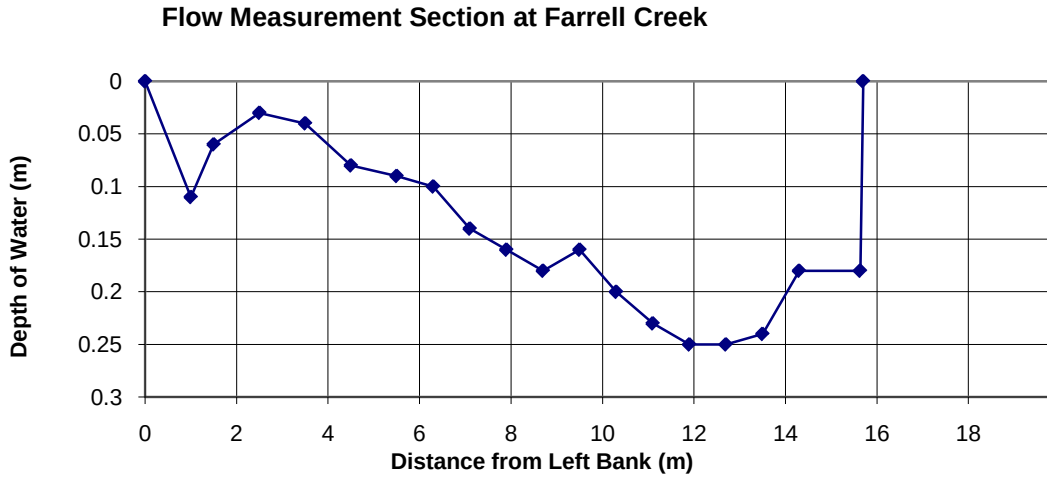
Flow Measurement Section at Farrell Creek



Appendix i-2h: Flow measurement at Farrell Creek on October 31 - 2008.

Flow Measurement Site # **Farrell 11**
Date: 31-Oct-08
Time: 9:00 Measured by: SH/MG
Stage 1: 0.228 m S.G 0.267 m = bench mark pin for SG
Stage 2: 1.585 m to old bridge abuttment S.G
Weather (if noticeable):

S.No.	W_n (m)	Y_n (m)	V1_0.6 (m/s)	A (m^2) (m^2)	Q (m^3/s) (m^3/s)	Remarks
1	0.00	0.00	0.00			RWE 15.7
2	1.00	0.11	0.09	0.055	0.002	
3	1.50	0.06	0.06	0.043	0.003	
4	2.50	0.03	0.00	0.045	0.001	
5	3.50	0.04	0.07	0.035	0.001	
6	4.50	0.08	0.04	0.060	0.003	
7	5.50	0.09	0.02	0.085	0.003	
8	6.30	0.10	0.02	0.076	0.002	
9	7.10	0.14	0.01	0.096	0.001	
10	7.90	0.16	0.02	0.120	0.002	
11	8.70	0.18	0.02	0.136	0.003	
12	9.50	0.16	0.02	0.136	0.003	
13	10.30	0.20	0.02	0.144	0.003	
14	11.10	0.23	0.01	0.172	0.003	
15	11.90	0.25	0.02	0.192	0.003	
16	12.70	0.25	0.02	0.200	0.004	
17	13.50	0.24	0.02	0.196	0.004	
18	14.30	0.18	0.02	0.168	0.003	
19	15.64	0.18	0	0.240	0.002	
20	15.70	0.00	0	0.006	0.000	LWE 0.65
	Total			**2.20**	**0.05**	**LB = 0**
			Wetted Width	15.7		
			Mean Wetted Depth	0.140		

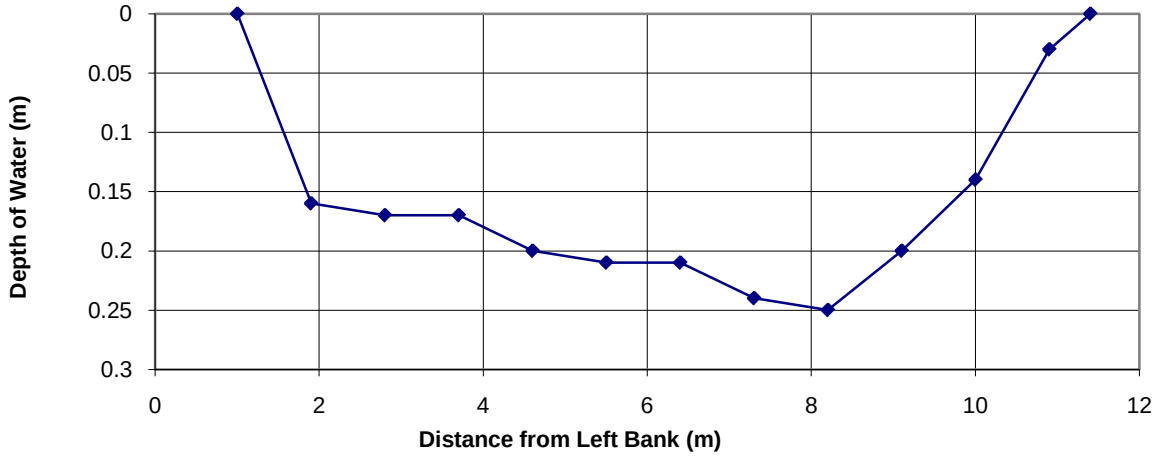


Appendix I-3a: Flow measurement at Lynx Creek on May 17 - 2007.

Flow Measurement Site # **Lynx 10**
Date: 17-May-07
Time: 13:00 Measured by: MG/SH
Stage 1: 1.5 m converted from distance down to water down from tree pin
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	1	0	0			RWE 1.0
2	1.9	0.16	0.44	0.072	0.016	
3	2.8	0.17	0.65	0.149	0.081	
4	3.7	0.17	0.75	0.153	0.107	
5	4.6	0.2	0.72	0.167	0.122	
6	5.5	0.21	0.78	0.185	0.138	
7	6.4	0.21	0.80	0.189	0.149	
8	7.3	0.24	0.87	0.203	0.169	
9	8.2	0.25	0.71	0.221	0.174	
10	9.1	0.2	1.56	0.203	0.230	
11	10	0.14	0.12	0.153	0.129	
12	10.9	0.03	0.1	0.077	0.008	
13	11.4	0	0	0.008	0.000	LWE 11.4
	TOTAL			**1.78**	**1.32**	
			Wetted Width (Ww)	10.4		
			Mean Wetted Depth (Dw)	0.171		

Flow Measurement Section at Lynx Creek



Appendix I-3b: Flow measurement at Lynx Creek on June 6 - 2007.

Flow Measurement Site # **Lynx 10**
Date: 06-Jun-07
Time: 11:15 Measured by: MG/SH
Stage 1: 1.480 m converted from distance down to water down from tree pin
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	0.70	0	0			RWE 0.7
2	1.70	0.19	0.29	0.095	0.014	
3	2.40	0.19	0.41	0.133	0.047	
4	3.10	0.19	0.48	0.133	0.059	
5	3.80	0.19	0.52	0.133	0.067	
6	4.50	0.18	0.52	0.130	0.067	
7	5.20	0.18	0.58	0.126	0.069	
8	5.90	0.21	0.55	0.137	0.077	
9	6.60	0.21	0.64	0.147	0.087	
10	7.30	0.23	0.80	0.154	0.111	
11	8.10	0.21	0.71	0.176	0.133	
12	8.80	0.22	0.38	0.151	0.082	
13	9.80	0.15	0.40	0.185	0.072	
14	10.80	0.15	0.15	0.150	0.041	
15	11.30	0		0.038	0.003	LWE 11.3
	TOTAL			**1.89**	**0.929**	
			Wetted Width	10.6		
			Mean Wetted Depth	0.178		

Flow Measurement Section at Lynx Creek

Appendix I-3c: Flow measurement at Lynx Creek on July 8 - 2007.

Flow Measurement Site # **Lynx 10**
Date: 08-Jul-07
Time: Measured by: MG/SH
Stage 1: 1.420 m converted from distance down to water down from tree pin
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	0.30	0	0			RWE 0.30
2	0.75	0.12	0.07	0.027	0.001	
3	1.50	0.15	0.12	0.101	0.010	
4	2.25	0.08	0.14	0.086	0.011	
5	3.00	0.07	0.18	0.056	0.009	
6	3.75	0.10	0.22	0.064	0.013	
7	4.50	0.10	0.23	0.075	0.017	
8	5.25	0.11	0.22	0.079	0.018	
9	6.00	0.10	0.21	0.079	0.017	
10	6.75	0.10	0.22	0.075	0.016	
11	7.50	0.11	0.24	0.079	0.018	
12	8.25	0.04	0.2	0.056	0.012	
13	8.81	0	0	0.011	0.001	LWE 8.81
	TOTAL			**0.79**	**0.14**	
			Wetted Width	8.5		
			Mean Wetted Depth	0.093		

Flow Measurement Section at Lynx Creek

Appendix I-3d: Flow measurement at Lynx Creek on August 16 - 2007.

Flow Measurement Site # **Lynx 10**
Date: 16-Aug-07
Time: 10:00 Measured by: MG/SH
Stage 1: 1.600 m converted from distance down to water down from tree pin

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	0	0	0			
2	1.70	0.18	0.02	0.153	0.002	RWE 1.7
3	2.50	0.18	0.08	0.144	0.007	
4	3.30	0.22	0.11	0.160	0.015	
5	4.10	0.10	0.10	0.128	0.013	
6	4.90	0.08	0.09	0.072	0.007	
7	5.70	0.11	0.20	0.076	0.011	
8	6.50	0.15	0.24	0.104	0.023	
9	7.00	0.14	0.25	0.073	0.018	
10	7.50	0.12	0.29	0.065	0.018	
11	8.30	0.15	0.21	0.108	0.027	
12	9.00	0.1	0.03	0.087	0.011	
13	9.90	0	0	0.045	0.001	LWE 9.9
	TOTAL			**1.22**	**0.152**	
			Wetted Width	9.9		
			Mean Wetted Depth	0.123		

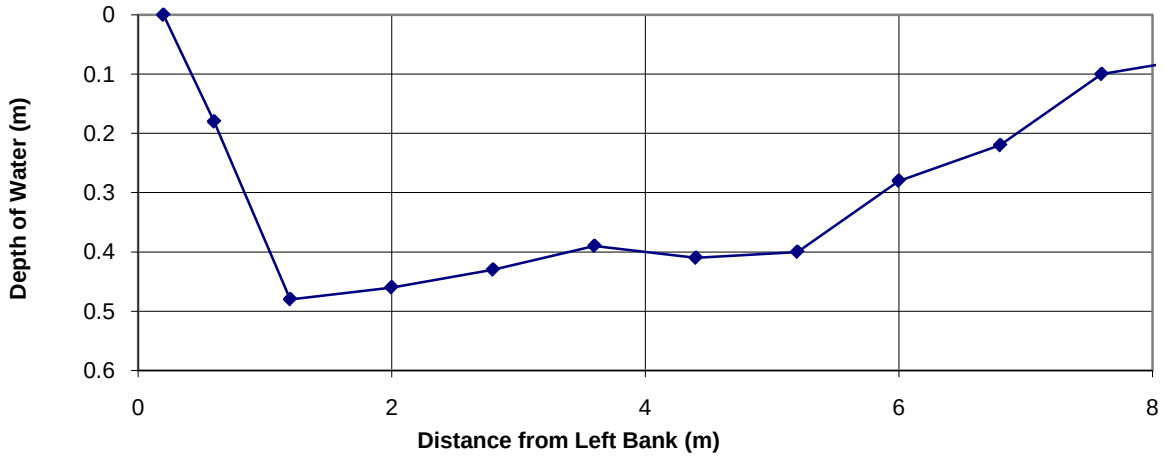
Flow Measurement Section at Lynx Creek

Appendix I-3e: Flow measurement at Lynx Creek on May 5 - 2008.

Flow Measurement Site # **Lynx 10**
Date: 05-May-08
Time: 14:32 Measured by: SH/PB
Stage 1: 1.480 m converted from distance down to water down from tree pin
Stage 2: (From downstream bridge)
Stage 3: (From downstream SG placed by Mainstream)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	0.20	0.00	0			LWE 0.2
2	0.60	0.18	0.04	0.036	0.001	
3	1.20	0.48	0.39	0.198	0.043	
4	2.00	0.46	0.57	0.376	0.180	
5	2.80	0.43	0.77	0.356	0.239	
6	3.60	0.39	0.48	0.328	0.205	
7	4.40	0.41	0.69	0.320	0.187	
8	5.20	0.40	0.63	0.324	0.214	
9	6.00	0.28	0.48	0.272	0.151	
10	6.80	0.22	0.43	0.200	0.091	
11	7.60	0.10	0.34	0.128	0.049	
12	10.40	0.00	0	0.140	0.024	RWE 10.4
	TOTAL			**2.68**	**1.383**	
			Wetted Width	10.2		
			Mean Wetted Depth	0.263		

Flow Measurement Section at Lynx Creek

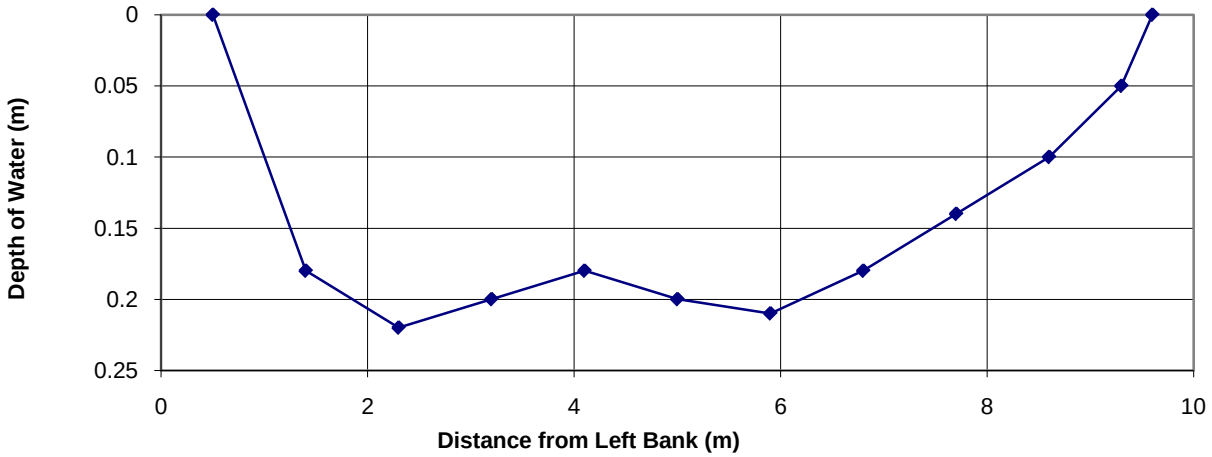


Appendix I-3f: Flow measurement at Lynx Creek on June 12 - 2008.

Flow Measurement Site # **Lynx 10**
Date: 12-Jun-08
Time: 11:45 Measured by: SH/PB
Stage 1: m converted from distance down to water down from tree pin
Stage 2: 5.360 (From downstream bridge)
Stage 3: 0.400 (From downstream SG placed by Mainstream)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	0.50	0.00	0.00			LWE 0.5
2	1.40	0.18	0.21	0.081	0.009	
3	2.30	0.22	0.33	0.180	0.049	
4	3.20	0.20	0.30	0.189	0.060	
5	4.10	0.18	0.31	0.171	0.052	
6	5.00	0.20	0.34	0.171	0.056	
7	5.90	0.21	0.30	0.185	0.059	
8	6.80	0.18	0.29	0.176	0.052	
9	7.70	0.14	0.34	0.144	0.045	
10	8.60	0.10	0.24	0.108	0.031	
11	9.30	0.05	0.11	0.053	0.009	
12	9.60	0.00	0.00	0.007	0.000	RWE 9.60
	TOTAL			**1.46**	**0.421**	
			Wetted Width	9.1		
			Mean Wetted Depth	0.161		

Flow Measurement Section at Lynx Creek

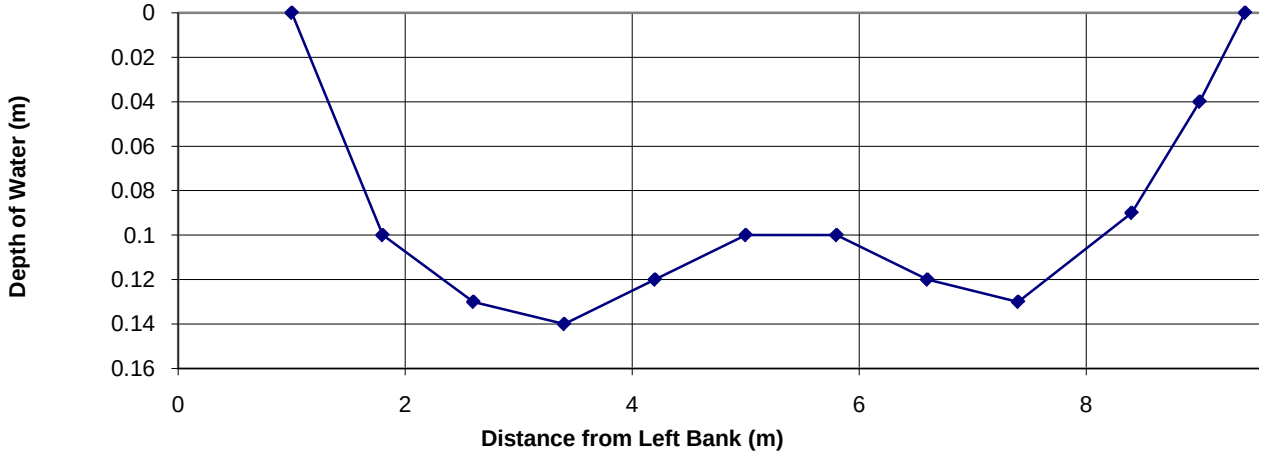


Appendix I-3g: Flow measurement at Lynx Creek on July 10 - 2008.

Flow Measurement Site # **Lynx 10**
Date: 10-Jul-08
Time: 14:30 Measured by: SH/KE
Stage 1: 1.590 m converted from distance down to water down from tree pin
Stage 2: 5.630 (From downstream bridge)
Stage 3: 0.280 (From downstream SG placed by Mainstream)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	1.00	0.00	0			LWE 1.0
2	1.80	0.10	0.01	0.040	0.000	
3	2.60	0.13	0.08	0.092	0.004	
4	3.40	0.14	0.1	0.108	0.010	
5	4.20	0.12	0.04	0.104	0.007	
6	5.00	0.10	0.14	0.088	0.008	
7	5.80	0.10	0.21	0.080	0.014	
8	6.60	0.12	0.22	0.088	0.019	
9	7.40	0.13	0.2	0.100	0.021	
10	8.40	0.09	0.16	0.110	0.020	
11	9.00	0.04	0.08	0.039	0.005	
12	9.40	0.00	0	0.008	0.000	RWE 9.40
	TOTAL			**0.86**	**0.108**	
			Wetted Width	8.4		
			Mean Wetted Depth	0.102		

Flow Measurement Section at Lynx Creek

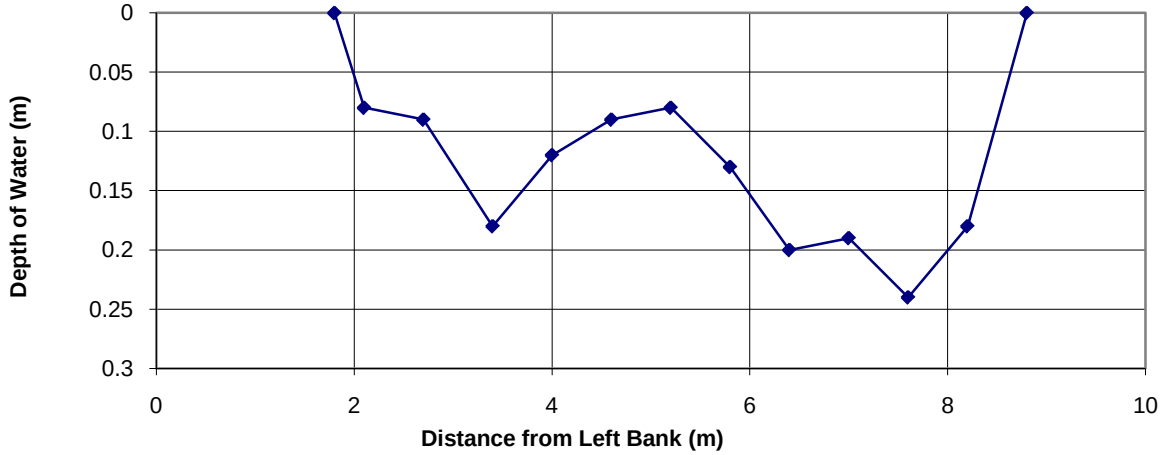


Appendix I-3h: Flow measurement at Lynx Creek on August 26 - 2008.

Flow Measurement Site # **Lynx 10**
Date: 26-Aug-08
Time: 14:30 Measured by: SH/MG
Stage 1: 1.582 m converted from distance down to water down from tree pin
Stage 2: 5.564 (From downstream bridge)
Stage 3: 0.305 (From downstream SG placed by Mainstream)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	1.80	0.00	0			RWE 1.8
1	2.10	0.08	0.04	0.012	0.000	
2	2.70	0.09	0.11	0.051	0.004	
3	3.40	0.18	0.15	0.095	0.012	
4	4.00	0.12	0.1	0.090	0.011	
5	4.60	0.09	0.11	0.063	0.007	
6	5.20	0.08	0.18	0.051	0.007	
7	5.80	0.13	0.24	0.063	0.013	
8	6.40	0.20	0.26	0.099	0.025	
9	7.00	0.19	0.23	0.117	0.029	
10	7.60	0.24	0.11	0.129	0.022	
11	8.20	0.18	0.17	0.126	0.018	
11	8.80	0.00	0	0.054	0.005	LWE 8.8
	TOTAL			**0.95**	**0.152**	
			Wetted Width	7.0		
			Mean Wetted Depth	0.136		

Flow Measurement Section at Lynx Creek



Appendix I-3i: Flow measurement at Lynx Creek on October 28 - 2008.

Flow Measurement Site # **Lynx 10**
Date: 28-Oct-08
Time: Measured by: MG/SH
Stage 1: 1.583 m converted from distance down to water down from tree pin
Stage 2: 5.549 (From downstream bridge)
Stage 3: removed (From downstream SG placed by Mainstream)
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m^2)	Q (m^3/s)	Remarks
	(m)	(m)	(m/s)	(m^2)	(m^3/s)	
1	1.90	0.00	0.00			RWE 1.9
2	2.50	0.09	0.04	0.027	0.001	
3	3.10	0.16	0.03	0.075	0.003	
4	3.70	0.21	0.15	0.111	0.010	
5	4.30	0.14	0.04	0.105	0.010	
6	4.90	0.11	0.11	0.075	0.006	
7	5.50	0.08	0.20	0.057	0.009	
8	6.10	0.13	0.22	0.063	0.013	
9	6.70	0.20	0.30	0.099	0.026	
10	7.10	0.18	0.26	0.076	0.021	
11	7.50	0.18	0.23	0.072	0.018	
12	7.90	0.18	0.26	0.072	0.018	
13	8.90	0.15	0.20	0.165	0.038	
14	9.00	0.12	0.07	0.014	0.002	
15	9.50	0.09	0.07	0.053	0.004	
16	9.90	0.00	0	0.018	0.001	LWE 9.9
	TOTAL			**1.08**	**0.177**	
			Wetted Width	8.0		
			Mean Wetted Depth	0.135		

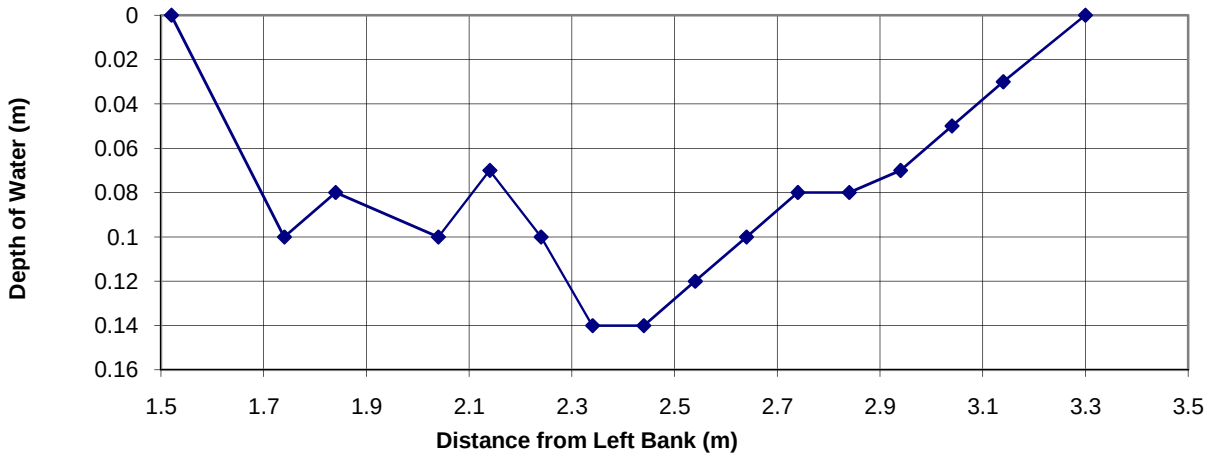
Flow Measurement Section at Lynx Creek

Appendix K-1a Flow measurement at Boudreau Creek on May 15, 2007.

Flow Measurement Site # **Boudreau 13**
Date: 06-Jun-07
Time: 15:05 Recorded by: Measured by: SH/MG
Stage: n/a
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	1.52	0.00	0.00			LWE
2	1.74	0.10	0.00	0.011	0.0000	
3	1.84	0.08	0.00	0.009	0.0000	
4	2.04	0.10	0.01	0.018	0.0001	
5	2.14	0.07	0.03	0.009	0.0002	
6	2.24	0.10	0.04	0.009	0.0003	
7	2.34	0.14	0.02	0.012	0.0004	
8	2.44	0.14	0.05	0.014	0.0005	
9	2.54	0.12	0.02	0.013	0.0005	
10	2.64	0.10	0.09	0.011	0.0006	
11	2.74	0.08	0.07	0.009	0.0007	
12	2.84	0.08	0.04	0.008	0.0004	
13	2.94	0.07	0.06	0.008	0.0004	
14	3.04	0.05	0.02	0.006	0.0002	
15	3.14	0.03	0	0.004	0.0000	
16	3.30	0	0	0.002	0.0000	RWE
	TOTAL			**0.14**	**0.0043**	
			Wetted Width	1.8		
			Mean Wetted Depth	0.080		

Flow Measurement Section at Boudreau Creek



Appendix K-1b: Flow measurement at Boudreau Creek on May 5, 2008.

Flow Measurement Site # **Boudreau 13**
Date: 05-May-08
Time: 15:31 Measured by: SH/PB
Stage 1:
Weather (if noticeable):

S.No.	W_n	Y_n	V1_0.6	A (m2)	Q (m3/s)	Remarks
	(m)	(m)	(m/s)	(m2)	(m3/s)	
1	0.3	0	0			LWE
2	0.4	0.04	0.04	0.002	0.000	
3	0.6	0.05	0.14	0.009	0.001	
4	0.8	0.08	0.17	0.013	0.002	
5	1	0.14	0.17	0.022	0.004	
6	1.2	0.14	0.15	0.028	0.004	
7	1.4	0.14	0.1	0.028	0.004	
8	1.6	0.12	0.08	0.026	0.002	
9	1.8	0.11	0.09	0.023	0.002	
10	2	0.09	0.08	0.020	0.002	
11	2.1	0.04	0.03	0.007	0.000	
12	2.2	0	0	0.002	0.000	RWE
	TOTAL			**0.18**	**0.02**	
			Wetted Width (Ww)	1.9		
			Mean Wetted Depth (Dw)	0.094		

Flow Measurement Section at Boudreau Creek

APPENDIX J

2007 and 2008 Discharge Data from Water Survey of Canada (WSC) Stations in the Peace River (study area) and selected tributaries

August 2009
Report No. 08-1430-0016

Golder Associates

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
01-Jan-07	1470	9.5	4.7	1490	23.7	1.8	0.80	1600	0.65%	0.32%	1.61%	0.05%	0.12%	0.64%	0.32%	1.59%	0.05%	0.12%	0.60%	0.29%	1.48%	0.05%	0.11%	2.8%	2.7%	2.5%
02-Jan-07	1370	9.4	4.9	1410	23.6	1.7	0.79	1600	0.69%	0.36%	1.72%	0.06%	0.13%	0.67%	0.35%	1.67%	0.06%	0.12%	0.59%	0.31%	1.48%	0.05%	0.11%	3.0%	2.9%	2.5%
03-Jan-07	1330	9.4	5.1	1320	23.5	1.7	0.78	1560	0.70%	0.38%	1.77%	0.06%	0.13%	0.71%	0.39%	1.78%	0.06%	0.13%	0.60%	0.33%	1.51%	0.05%	0.11%	3.0%	3.1%	2.6%
04-Jan-07	1470	9.3	5.1	1460	23.4	1.6	0.76	1580	0.63%	0.35%	1.59%	0.05%	0.11%	0.63%	0.35%	1.60%	0.05%	0.11%	0.59%	0.32%	1.48%	0.05%	0.10%	2.7%	2.7%	2.5%
05-Jan-07	1460	8.9	5.0	1450	23.2	1.5	0.74	1610	0.61%	0.34%	1.59%	0.05%	0.11%	0.61%	0.35%	1.60%	0.05%	0.11%	0.55%	0.31%	1.44%	0.05%	0.10%	2.7%	2.7%	2.4%
06-Jan-07	1470	8.6	4.7	1490	23.0	1.5	0.71	1620	0.58%	0.32%	1.56%	0.05%	0.10%	0.58%	0.32%	1.54%	0.05%	0.10%	0.53%	0.29%	1.42%	0.04%	0.09%	2.6%	2.6%	2.4%
07-Jan-07	1460	8.5	4.9	1490	22.8	1.5	0.72	1630	0.58%	0.33%	1.56%	0.05%	0.10%	0.57%	0.33%	1.53%	0.05%	0.10%	0.52%	0.30%	1.40%	0.04%	0.09%	2.6%	2.6%	2.4%
08-Jan-07	1470	8.4	5.1	1470	22.6	1.4	0.73	1640	0.57%	0.35%	1.54%	0.05%	0.10%	0.57%	0.35%	1.54%	0.05%	0.10%	0.51%	0.31%	1.38%	0.04%	0.09%	2.6%	2.6%	2.3%
09-Jan-07	1500	8.3	5.3	1500	22.4	1.4	0.75	1670	0.55%	0.35%	1.49%	0.05%	0.10%	0.55%	0.35%	1.49%	0.05%	0.10%	0.50%	0.32%	1.34%	0.05%	0.09%	2.5%	2.5%	2.3%
10-Jan-07	1520	8.4	5.9	1530	22.2	1.4	0.77	1680	0.55%	0.39%	1.46%	0.05%	0.09%	0.55%	0.38%	1.45%	0.05%	0.09%	0.50%	0.35%	1.32%	0.05%	0.09%	2.5%	2.5%	2.3%
11-Jan-07	1520	8.4	6.1	1400	22.0	1.4	0.79	1640	0.55%	0.40%	1.45%	0.05%	0.09%	0.60%	0.44%	1.57%	0.06%	0.10%	0.51%	0.37%	1.34%	0.05%	0.09%	2.5%	2.8%	2.4%
12-Jan-07	1520	8.4	6.2	1480	22.0	1.5	0.80	1590	0.55%	0.41%	1.45%	0.05%	0.10%	0.57%	0.42%	1.49%	0.05%	0.10%	0.53%	0.39%	1.38%	0.05%	0.09%	2.6%	2.6%	2.4%
13-Jan-07	1510	8.5	6.2	1530	21.9	1.5	0.82	1660	0.56%	0.41%	1.45%	0.05%	0.10%	0.55%	0.40%	1.43%	0.05%	0.10%	0.51%	0.37%	1.32%	0.05%	0.09%	2.6%	2.5%	2.3%
14-Jan-07	1500	8.5	6.3	1680	21.9	1.5	0.83	1720	0.57%	0.42%	1.46%	0.06%	0.10%	0.51%	0.37%	1.30%	0.05%	0.09%	0.49%	0.37%	1.27%	0.05%	0.09%	2.6%	2.3%	2.3%
15-Jan-07	1500	8.5	6.8	1720	21.8	1.6	0.83	1790	0.57%	0.45%	1.45%	0.06%	0.10%	0.49%	0.39%	1.27%	0.05%	0.09%	0.47%	0.38%	1.22%	0.05%	0.09%	2.6%	2.3%	2.2%
16-Jan-07	1500	8.5	6.9	1490	21.8	1.6	0.83	1550	0.57%	0.46%	1.45%	0.06%	0.10%	0.57%	0.46%	1.46%	0.06%	0.11%	0.55%	0.45%	1.41%	0.05%	0.10%	2.6%	2.7%	2.6%
17-Jan-07	1500	8.5	6.0	1490	21.8	1.6	0.82	1570	0.57%	0.40%	1.45%	0.05%	0.11%	0.57%	0.40%	1.46%	0.06%	0.11%	0.54%	0.38%	1.39%	0.05%	0.10%	2.6%	2.6%	2.5%
18-Jan-07	1490	8.6	6.6	1510	21.7	1.6	0.81	1610	0.58%	0.44%	1.46%	0.05%	0.11%	0.57%	0.44%	1.44%	0.05%	0.10%	0.54%	0.41%	1.35%	0.05%	0.10%	2.6%	2.6%	2.4%
19-Jan-07	1480	8.8	6.9	1510	21.7	1.6	0.81	1720	0.59%	0.46%	1.47%	0.05%	0.11%	0.58%	0.45%	1.44%	0.05%	0.10%	0.51%	0.40%	1.26%	0.05%	0.09%	2.7%	2.6%	2.3%
20-Jan-07	1490	8.9	6.5	1480	21.6	1.5	0.80	1790	0.60%	0.44%	1.45%	0.05%	0.10%	0.60%	0.44%	1.46%	0.05%	0.10%	0.50%	0.37%	1.21%	0.04%	0.09%	2.6%	2.7%	2.2%
21-Jan-07	1500	9.0	6.1	1500	21.6	1.5	0.78	1800	0.60%	0.41%	1.44%	0.05%	0.10%	0.60%	0.41%	1.44%	0.05%	0.10%	0.50%	0.34%	1.20%	0.04%	0.09%	2.6%	2.6%	2.2%
22-Jan-07	1500	9.0	5.5	1500	21.6	1.5	0.77	1590	0.60%	0.37%	1.44%	0.05%	0.10%	0.60%	0.37%	1.44%	0.05%	0.10%	0.57%	0.35%	1.36%	0.05%	0.09%	2.6%	2.6%	2.4%
23-Jan-07	1390	9.1	5.1	1470	21.5	1.5	0.77	1570	0.65%	0.37%	1.55%	0.06%	0.11%	0.62%	0.35%	1.46%	0.05%	0.10%	0.58%	0.33%	1.37%	0.05%	0.09%	2.7%	2.6%	2.4%
24-Jan-07	1510	9.1	5.9	1420	21.5	1.5	0.76	1480	0.60%	0.39%	1.42%	0.05%	0.10%	0.64%	0.42%	1.51%	0.05%	0.10%	0.61%	0.40%	1.45%	0.05%	0.10%	2.6%	2.7%	2.6%
25-Jan-07	1500	9.1	6.3	1500	21.5	1.5	0.75	1570	0.60%	0.42%	1.43%	0.05%	0.10%	0.60%	0.42%	1.43%	0.05%	0.10%	0.58%	0.40%	1.37%	0.05%	0.09%	2.6%	2.6%	2.5%
26-Jan-07	1480	9.0		1490	21.4	1.4	0.73	1560	0.61%		1.45%	0.05%	0.10%	0.60%	0.00%	1.44%	0.05%	0.10%	0.58%		1.37%	0.05%	0.09%	2.2%	2.2%	2.1%
27-Jan-07	1490	9.0		1490	21.4	1.4	0.73	1610	0.60%		1.44%	0.05%	0.09%	0.60%	0.00%	1.44%	0.05%	0.09%	0.56%		1.33%	0.05%	0.09%	2.2%	2.2%	2.0%
28-Jan-07	1490	9.0		1480	21.4	1.4	0.72	1750	0.60%		1.44%	0.05%	0.09%	0.61%	0.00%	1.45%	0.05%	0.09%	0.51%		1.22%	0.04%	0.08%	2.2%	2.2%	1.9%
29-Jan-07	1500	9.0		1500	21.3	1.3	0.71	1780	0.60%		1.42%	0.05%	0.09%	0.60%	0.00%	1.42%	0.05%	0.09%	0.50%		1.20%	0.04%	0.08%	2.2%	2.2%	1.8%
30-Jan-07	1660	8.9		1650	21.3	1.3	0.70	1870	0.53%		1.28%	0.04%	0.08%	0.54%	0.00%	1.29%	0.04%	0.08%	0.47%		1.14%	0.04%	0.07%	1.9%	2.0%	1.7%
31-Jan-07	1660	8.8		1680	21.3	1.3	0.69	1990	0.53%		1.28%	0.04%	0.08%	0.52%	0.00%	1.27%	0.04%	0.08%	0.44%		1.07%	0.03%	0.06%	1.9%	1.9%	1.6%
01-Feb-07	1740	8.7		1760	21.2	1.2	0.68	1960	0.50%		1.22%	0.04%	0.07%	0.49%	0.00%	1.20%	0.04%	0.07%	0.44%		1.08%	0.03%	0.06%	1.8%	1.8%	1.6%
02-Feb-07	1760	8.6		1800	21.2	1.2	0.68	1990	0.49%		1.20%	0.04%	0.07%	0.48%	0.00%	1.18%	0.04%	0.07%	0.43%		1.07%	0.03%	0.06%	1.8%	1.8%	1.6%
03-Feb-07	1730	8.4		1790	21.2	1.2	0.67	2070	0.49%		1.23%	0.04%	0.07%	0.47%	0.00%	1.18%	0.04%	0.07%	0.41%		1.02%	0.03%	0.06%	1.8%	1.8%	1.5%
04-Feb-07	1730	8.3		1780	21.1	1.2	0.66	2120	0.48%		1.22%	0.04%	0.07%	0.47%	0.00%	1.19%	0.04%	0.07%	0.39%		1.00%	0.03%	0.06%	1.8%	1.8%	1.5%
05-Feb-07	1720	8.2		1770	21.1	1.2	0.65	2150	0.48%		1.23%	0.04%	0.07%	0.46%	0.00%	1.19%	0.04%	0.06%	0.38%		0.98%	0.03%	0.05%	1.8%	1.8%	1.4%
06-Feb-07	1490	8.1		1530	21.1	1.2	0.64	1990	0.55%		1.42%	0.04%	0.08%	0.53%	0.00%	1.38%	0.04%	0.08%	0.41%		1.06%	0.03%	0.06%	2.1%	2.0%	1.6%
07-Feb-07	1590	8.1		1580	21.1	1.2	0.63	1850	0.51%		1.33%	0.04%	0.07%	0.51%	0.00%	1.34%	0.04%	0.07%	0.44%		1.14%	0.03%	0.06%	2.0%	2.0%	1.7%
08-Feb-07	1600	8.1		1580	20.9	1.2	0.63	1900	0.51%		1.31%	0.04%	0.07%	0.51%	0.00%	1.32%	0.04%	0.07%	0.43%		1.10%	0.03%	0.06%	1.9%	2.0%	1.6%
09-Feb-07	1580	8.1		1510	20.9	1.2	0.63	1780	0.51%		1.32%	0.04%	0.08%	0.54%	0.00%	1.38%	0.04%	0.08%	0.46%		1.17%	0.04%	0.07%	2.0%	2.0%	1.7%
10-Feb-07	1590	8.1		1630	20.8	1.2	0.63	1800	0.51%		1.31%	0.04%	0.08%	0.50%	0.00%	1.28%	0.04%	0.07%	0.45%		1.16%	0.04%	0.07%	1.9%	1.9%	1.7%
11-Feb-07	1510	8.2		1480	20.8	1.2	0.64	1830	0.54%		1.38%	0.04%	0.08%	0.55%	0.00%	1.41%	0.04%	0.08%	0.45%		1.14%	0.03%	0.07%	2.0%	2.1%	1.7%
12-Feb-07	1550	8.3		1570	20.7	1.2	0.65	1710	0.53%		1.34%	0.04%	0.08%	0.53%	0.00%	1.32%	0.04%	0.08%	0.48%		1.21%	0.04%	0.07%	2.0%	2.0%	1.8%
13-Feb-07	1640	8.3		1660	20.7	1.2	0.66	1770	0.51%		1.26%	0.04%	0.07%	0.50%	0.00%	1.25%	0.04%	0.07%	0.47%		1.17%	0.04%	0.07%	1.9%	1.9%	1.7%
14-Feb-07	1700	8.4		1710	20.9	1.2	0.68	1790	0.49%		1.23%	0.04%	0.07%	0.49%	0.00%	1.22%	0.04%	0.07%	0.47%		1.17%	0.04%	0.07%	1.8%	1.8%	1.7%
15-Feb-07	1730	8.5		1790	21.1	1.2	0.69	1970	0.49%		1.22%	0.04%	0.07%	0.47%	0.00%	1.18%	0.04%	0.07%	0.43%		1.07%	0.03%	0.06%	1.8%	1.8%	1.6%
16-Feb-07	1710	8.6		1760	21.2	1.2	0.69	1840	0.50%		1.24%	0.04%	0.07%	0.49%	0.00%	1.20%	0.04%	0.07%	0.47%		1.15%	0.04%	0.06%	1.9%	1.8%	1.7%
17-Feb-07	1610	8.6		1740	21.1	1.2	0.70	1810	0.54%		1.31%	0.04%	0.07%	0.50%	0.00%	1.21%	0.04%	0.07%	0.48%		1.17%	0.04%	0.06%	2.0%	1.8%	1.7%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
18-Feb-07	1310	8.6		1330	21.0	1.2	0.70	1610	0.65%		1.60%	0.05%	0.09%	0.64%	0.00%	1.58%	0.05%	0.09%	0.53%		1.30%	0.04%	0.07%	2.4%	2.4%	2.0%
19-Feb-07	1600	8.5		1600	20.9	1.1	0.69	1490	0.53%		1.31%	0.04%	0.07%	0.53%	0.00%	1.31%	0.04%	0.07%	0.57%		1.40%	0.05%	0.08%	1.9%	1.9%	2.1%
20-Feb-07	1730	8.5		1690	20.8	1.1	0.67	1790	0.49%		1.20%	0.04%	0.07%	0.50%	0.00%	1.23%	0.04%	0.07%	0.47%		1.16%	0.04%	0.06%	1.8%	1.8%	1.7%
21-Feb-07	1650	8.5		1690	20.7	1.1	0.66	1720	0.51%		1.25%	0.04%	0.07%	0.50%	0.00%	1.22%	0.04%	0.07%	0.49%		1.20%	0.04%	0.07%	1.9%	1.8%	1.8%
22-Feb-07	1560	8.3		1660	20.6	1.1	0.65	1870	0.53%		1.32%	0.04%	0.07%	0.50%	0.00%	1.24%	0.04%	0.07%	0.44%		1.10%	0.03%	0.06%	2.0%	1.8%	1.6%
23-Feb-07	1690	8.3		1680	20.6	1.1	0.65	1700	0.49%		1.22%	0.04%	0.06%	0.49%	0.00%	1.23%	0.04%	0.06%	0.49%		1.21%	0.04%	0.06%	1.8%	1.8%	1.8%
24-Feb-07	1670	8.3		1690	20.5	1.1	0.64	1810	0.50%		1.23%	0.04%	0.06%	0.49%	0.00%	1.21%	0.04%	0.06%	0.46%		1.13%	0.04%	0.06%	1.8%	1.8%	1.7%
25-Feb-07	1700	8.2		1710	20.5	1.1	0.64	1890	0.48%		1.21%	0.04%	0.06%	0.48%	0.00%	1.20%	0.04%	0.06%	0.43%		1.08%	0.03%	0.06%	1.8%	1.8%	1.6%
26-Feb-07	1660	8.1		1680	20.4	1.1	0.64	1830	0.49%		1.23%	0.04%	0.06%	0.48%	0.00%	1.21%	0.04%	0.06%	0.44%		1.11%	0.03%	0.06%	1.8%	1.8%	1.7%
27-Feb-07	1550	8.1		1610	20.4	1.1	0.63	1740	0.52%		1.32%	0.04%	0.07%	0.50%	0.00%	1.27%	0.04%	0.07%	0.46%		1.17%	0.04%	0.06%	1.9%	1.9%	1.7%
28-Feb-07	1720	8.0		1750	20.4	1.1	0.62	1760	0.47%		1.19%	0.04%	0.06%	0.46%	0.00%	1.17%	0.04%	0.06%	0.46%		1.16%	0.04%	0.06%	1.8%	1.7%	1.7%
01-Mar-07	1670	8.0		1740	20.4	1.0	0.64	1820	0.48%		1.22%	0.04%	0.06%	0.46%	0.00%	1.17%	0.04%	0.06%	0.44%		1.12%	0.04%	0.06%	1.8%	1.7%	1.7%
02-Mar-07	1690	8.0		1680	20.3	1.0	0.66	1720	0.47%		1.20%	0.04%	0.06%	0.47%	0.00%	1.21%	0.04%	0.06%	0.46%		1.18%	0.04%	0.06%	1.8%	1.8%	1.7%
03-Mar-07	1540	7.9		1610	20.3	1.0	0.66	1790	0.51%		1.32%	0.04%	0.07%	0.49%	0.00%	1.26%	0.04%	0.06%	0.44%		1.13%	0.04%	0.06%	1.9%	1.9%	1.7%
04-Mar-07	1500	7.9		1310	20.3	1.0	0.66	1670	0.53%		1.35%	0.04%	0.07%	0.60%	0.00%	1.55%	0.05%	0.08%	0.47%		1.22%	0.04%	0.06%	2.0%	2.3%	1.8%
05-Mar-07	1530	7.8		1320	20.3	1.0	0.65	1630	0.51%		1.33%	0.04%	0.07%	0.59%	0.00%	1.54%	0.05%	0.08%	0.48%		1.25%	0.04%	0.06%	1.9%	2.3%	1.8%
06-Mar-07	1560	7.7		1480	20.4	1.0	0.65	1740	0.49%		1.31%	0.04%	0.06%	0.52%	0.00%	1.38%	0.04%	0.07%	0.44%		1.17%	0.04%	0.06%	1.9%	2.0%	1.7%
07-Mar-07	1530	7.7		1550	20.5	1.0	0.67	1750	0.50%		1.34%	0.04%	0.06%	0.50%	0.00%	1.32%	0.04%	0.06%	0.44%		1.17%	0.04%	0.06%	2.0%	1.9%	1.7%
08-Mar-07	1540	7.7		1560	20.6	1.0	0.69	1800	0.50%		1.34%	0.04%	0.06%	0.49%	0.00%	1.32%	0.04%	0.06%	0.43%		1.14%	0.04%	0.05%	1.9%	1.9%	1.7%
09-Mar-07	1570	7.7		1600	20.7	1.0	0.72	1680	0.49%		1.32%	0.05%	0.06%	0.48%	0.00%	1.29%	0.05%	0.06%	0.46%		1.23%	0.04%	0.06%	1.9%	1.9%	1.8%
10-Mar-07	1420	7.6		1420	20.8	1.0	0.74	1600	0.53%		1.46%	0.05%	0.07%	0.53%	0.00%	1.46%	0.05%	0.07%	0.47%		1.30%	0.05%	0.06%	2.1%	2.1%	1.9%
11-Mar-07	1470	7.5		1500	21.0	1.0	0.77	1580	0.51%		1.43%	0.05%	0.07%	0.50%	0.00%	1.40%	0.05%	0.06%	0.48%		1.33%	0.05%	0.06%	2.1%	2.0%	1.9%
12-Mar-07	1490	7.4		1500	21.2	1.0	0.79	1580	0.50%		1.42%	0.05%	0.06%	0.49%	0.00%	1.41%	0.05%	0.06%	0.47%		1.34%	0.05%	0.06%	2.0%	2.0%	1.9%
13-Mar-07	1370	7.4		1350	21.4	1.0	0.80	1490	0.54%		1.56%	0.06%	0.07%	0.54%	0.00%	1.59%	0.06%	0.07%	0.49%		1.44%	0.05%	0.06%	2.2%	2.3%	2.0%
14-Mar-07	1210	7.3		1340	21.6	0.9	0.80	1480	0.60%		1.79%	0.07%	0.08%	0.54%	0.00%	1.61%	0.06%	0.07%	0.49%		1.46%	0.05%	0.06%	2.5%	2.3%	2.1%
15-Mar-07	1540	7.2		1380	21.8	0.9	0.79	1450	0.47%		1.42%	0.05%	0.06%	0.52%	0.00%	1.58%	0.06%	0.07%	0.50%		1.50%	0.05%	0.06%	2.0%	2.2%	2.1%
16-Mar-07	1470	7.1		1500	22.3	0.9	0.79	1620	0.49%		1.52%	0.05%	0.06%	0.48%	0.00%	1.49%	0.05%	0.06%	0.44%		1.38%	0.05%	0.06%	2.1%	2.1%	1.9%
17-Mar-07	1080	7.1		1190	22.8	0.9	0.77	1460	0.66%		2.11%	0.07%	0.09%	0.60%	0.00%	1.92%	0.06%	0.08%	0.49%		1.56%	0.05%	0.06%	2.9%	2.7%	2.2%
18-Mar-07	933	7.1		904	23.3	0.9	0.76	1170	0.76%		2.50%	0.08%	0.10%	0.78%	0.00%	2.58%	0.08%	0.10%	0.60%		1.99%	0.07%	0.08%	3.4%	3.5%	2.7%
19-Mar-07	1160	7.0		1100	23.8	1.0	0.76	1090	0.61%		2.05%	0.07%	0.08%	0.64%	0.00%	2.16%	0.07%	0.09%	0.64%		2.18%	0.07%	0.09%	2.8%	3.0%	3.0%
20-Mar-07	1130	6.9		1140	24.4	1.0	0.76	1370	0.61%		2.16%	0.07%	0.08%	0.61%	0.00%	2.14%	0.07%	0.08%	0.51%		1.78%	0.06%	0.07%	2.9%	2.9%	2.4%
21-Mar-07	1330	7.0		1270	26.1	0.9	0.76	1490	0.52%		1.96%	0.06%	0.07%	0.55%	0.00%	2.06%	0.06%	0.07%	0.47%		1.75%	0.05%	0.06%	2.6%	2.7%	2.3%
22-Mar-07	1190	7.0		1180	27.8	0.9	0.76	1540	0.58%		2.34%	0.06%	0.08%	0.59%	0.00%	2.36%	0.06%	0.08%	0.45%		1.81%	0.05%	0.06%	3.1%	3.1%	2.4%
23-Mar-07	1120	7.0	18.9	1110	29.0	0.9	0.76	1240	0.62%	1.69%	2.59%	0.07%	0.08%	0.63%	1.70%	2.61%	0.07%	0.08%	0.56%	1.52%	2.34%	0.06%	0.08%	5.1%	5.1%	4.6%
24-Mar-07	1000	7.1	20.2	1060	30.2	0.9	0.77	1240	0.71%	2.02%	3.02%	0.08%	0.09%	0.67%	1.91%	2.85%	0.07%	0.09%	0.57%	1.63%	2.44%	0.06%	0.08%	5.9%	5.6%	4.8%
25-Mar-07	924	7.1	20.3	908	31.5	0.9	0.78	1060	0.77%	2.20%	3.41%	0.08%	0.10%	0.79%	2.24%	3.47%	0.09%	0.10%	0.67%	1.92%	2.97%	0.07%	0.09%	6.6%	6.7%	5.7%
26-Mar-07	1300	7.3	20.4	1120	32.5	0.9	0.79	1130	0.56%	1.57%	2.50%	0.06%	0.07%	0.65%	1.82%	2.90%	0.07%	0.08%	0.64%	1.81%	2.88%	0.07%	0.08%	4.8%	5.5%	5.5%
27-Mar-07	1210	7.4	20.4	1160	33.5	0.9	0.81	1300	0.61%	1.69%	2.77%	0.07%	0.07%	0.64%	1.76%	2.89%	0.07%	0.08%	0.57%	1.57%	2.58%	0.06%	0.07%	5.2%	5.4%	4.8%
28-Mar-07	1090	7.5	20.4	1130	34.6	0.9	0.81	1280	0.69%	1.87%	3.17%	0.07%	0.08%	0.66%	1.81%	3.06%	0.07%	0.08%	0.58%	1.59%	2.70%	0.06%	0.07%	5.9%	5.7%	5.0%
29-Mar-07	1020	7.5	20.9	1040	35.6	0.9	0.82	1210	0.74%	2.05%	3.49%	0.08%	0.09%	0.72%	2.01%	3.42%	0.08%	0.09%	0.62%	1.73%	2.94%	0.07%	0.07%	6.4%	6.3%	5.4%
30-Mar-07	1140	7.5	21.3	1020	36.2	0.9	0.85	1190	0.66%	1.87%	3.18%	0.07%	0.08%	0.74%	2.09%	3.55%	0.08%	0.09%	0.63%	1.79%	3.04%	0.07%	0.07%	5.9%	6.5%	5.6%
31-Mar-07	1000	7.5	22.0	999	36.8	0.9	0.83	1220	0.75%	2.20%	3.68%	0.08%	0.09%	0.75%	2.20%	3.68%	0.08%	0.09%	0.61%	1.80%	3.02%	0.07%	0.07%	6.8%	6.8%	5.6%
01-Apr-07	1160	7.5	23.8	1050	37.7	0.9	0.80	1180	0.64%	2.05%	3.25%	0.07%	0.08%	0.71%	2.27%	3.59%	0.08%	0.08%	0.63%	2.02%	3.19%	0.07%	0.07%	6.1%	6.7%	6.0%
02-Apr-07	1250	7.4	24.4	1160	38.6	0.9	0.77	1270	0.59%	1.95%	3.09%	0.06%	0.07%	0.64%	2.10%	3.33%	0.07%	0.07%	0.58%	1.92%	3.04%	0.06%	0.07%	5.8%	6.2%	5.7%
03-Apr-07	1290	7.3	23.6	1260	39.6	0.9	0.76	1400	0.57%	1.83%	3.07%	0.06%	0.07%	0.58%	1.87%	3.14%	0.06%	0.07%	0.52%	1.69%	2.83%	0.05%	0.06%	5.6%	5.7%	5.2%
04-Apr-07	1160	7.3	23.3	1090	40.5	0.9	0.74	1270	0.63%	2.01%	3.49%	0.06%	0.07%	0.67%	2.14%	3.72%	0.07%	0.08%	0.57%	1.83%	3.19%	0.06%	0.07%	6.3%	6.7%	5.7%
05-Apr-07	1210	7.2	23.1	1200	41.5	0.9	0.74	1330	0.60%	1.91%	3.43%	0.06%	0.07%	0.60%	1.93%	3.46%	0.06%	0.07%	0.54%	1.74%	3.12%	0.06%	0.06%	6.1%	6.1%	5.5%
06-Apr-07	1170	7.2	22.9	1130	42.7	0.9	0.75	1280	0.61%	1.96%	3.65%	0.06%	0.07%	0.63%	2.03%	3.78%	0.07%	0.08%	0.56%	1.79%	3.34%	0.06%	0.07%	6.4%	6.6%	5.8%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
07-Apr-07	1090	7.1	23.3	1010	43.9	1.0	0.79	1210	0.65%	2.14%	4.03%	0.07%	0.09%	0.70%	2.31%	4.35%	0.08%	0.10%	0.59%	1.93%	3.63%	0.07%	0.08%	7.0%	7.5%	6.3%
08-Apr-07	1210	7.2	23.9	1140	45.1	1.7	0.85	1180	0.59%	1.98%	3.73%	0.07%	0.14%	0.63%	2.10%	3.96%	0.07%	0.15%	0.61%	2.03%	3.82%	0.07%	0.14%	6.5%	6.9%	6.7%
09-Apr-07	1300	7.2	24.8	1260	46.4	2.2	1.01	1380	0.55%	1.91%	3.57%	0.08%	0.17%	0.57%	1.97%	3.68%	0.08%	0.17%	0.52%	1.80%	3.36%	0.07%	0.16%	6.3%	6.5%	5.9%
10-Apr-07	1330	7.3	25.2	1330	47.7	2.7	1.41	1440	0.55%	1.89%	3.59%	0.11%	0.20%	0.55%	1.89%	3.59%	0.11%	0.20%	0.51%	1.75%	3.31%	0.10%	0.19%	6.3%	6.3%	5.9%
11-Apr-07	1330	7.7	24.5	1270	49.8	3.4	1.72	1450	0.58%	1.84%	3.74%	0.13%	0.26%	0.61%	1.93%	3.92%	0.14%	0.27%	0.53%	1.69%	3.43%	0.12%	0.23%	6.6%	6.9%	6.0%
12-Apr-07	1390	8.1	25.7	1330	51.9	4.1	2.21	1450	0.58%	1.85%	3.73%	0.16%	0.29%	0.61%	1.93%	3.90%	0.17%	0.31%	0.56%	1.77%	3.58%	0.15%	0.28%	6.6%	6.9%	6.3%
13-Apr-07	1490	8.8	25.8	1470	54.0	5.2	3.61	1560	0.59%	1.73%	3.62%	0.24%	0.35%	0.60%	1.76%	3.67%	0.25%	0.35%	0.56%	1.65%	3.46%	0.23%	0.33%	6.5%	6.6%	6.2%
14-Apr-07	763	10.0	25.9	1010	56.1	6.5	5.00	1410	1.31%	3.39%	7.35%	0.66%	0.85%	0.99%	2.56%	5.55%	0.50%	0.64%	0.71%	1.84%	3.98%	0.35%	0.46%	13.6%	10.2%	7.3%
15-Apr-07	418	10.9	25.5	685	58.0	8.3	6.20	1140	2.61%	6.10%	13.88%	1.48%	1.99%	1.59%	3.72%	8.47%	0.91%	1.21%	0.96%	2.24%	5.09%	0.54%	0.73%	26.1%	15.9%	9.6%
16-Apr-07	338	12.0	25.0	371	63.4	11.5	7.50	904	3.55%	7.40%	18.76%	2.22%	3.40%	3.23%	6.74%	17.09%	2.02%	3.10%	1.33%	2.77%	7.01%	0.83%	1.27%	35.3%	32.2%	13.2%
17-Apr-07	339	13.1	24.3	362	68.8	16.0	9.11	887	3.86%	7.17%	20.29%	2.69%	4.72%	3.62%	6.71%	19.01%	2.52%	4.42%	1.48%	2.74%	7.76%	1.03%	1.80%	38.7%	36.3%	14.8%
18-Apr-07	628	15.0	24.8	371	74.2	22.0	11.90	938	2.39%	3.95%	11.82%	1.89%	3.50%	4.04%	6.68%	20.00%	3.21%	5.93%	1.60%	2.64%	7.91%	1.27%	2.35%	23.6%	39.9%	15.8%
19-Apr-07	943	16.8	25.1	861	79.6	36.0	16.20	1230	1.78%	2.66%	8.44%	1.72%	3.82%	1.95%	2.92%	9.25%	1.88%	4.18%	1.37%	2.04%	6.47%	1.32%	2.93%	18.4%	20.2%	14.1%
20-Apr-07	926	18.7	21.0	928	85.0	50.0	28.10	1430	2.02%	2.27%	9.18%	3.03%	5.40%	2.02%	2.26%	9.16%	3.03%	5.39%	1.31%	1.47%	5.94%	1.97%	3.50%	21.9%	21.9%	14.2%
21-Apr-07	641	21.2	18.9	839	104.0	74.0	26.10	1410	3.31%	2.95%	16.22%	4.07%	11.54%	2.53%	2.25%	12.40%	3.11%	8.82%	1.50%	1.34%	7.38%	1.85%	5.25%	38.1%	29.1%	17.3%
22-Apr-07	922	23.8	17.3	674	123.0	110.0	26.90	1130	2.58%	1.88%	13.34%	2.92%	11.93%	3.53%	2.57%	18.25%	3.99%	16.32%	2.11%	1.53%	10.88%	2.38%	9.73%	32.6%	44.7%	26.6%
23-Apr-07	1230	36.5	16.0	1280	142.0	174.0	33.10	1550	2.97%	1.30%	11.54%	2.69%	14.15%	2.85%	1.25%	11.09%	2.59%	13.59%	2.35%	1.03%	9.16%	2.14%	11.23%	32.7%	31.4%	25.9%
24-Apr-07	1260	50.1	13.6	1260	174.0	238.0	43.10	1720	3.98%	1.08%	13.81%	3.42%	18.89%	3.98%	1.08%	13.81%	3.42%	18.89%	2.91%	0.79%	10.12%	2.51%	13.84%	41.2%	41.2%	30.2%
25-Apr-07	1220	66.1	9.3	1250	230.0	322.0	52.60	1840	5.42%	0.76%	18.85%	4.31%	26.39%	5.29%	0.74%	18.40%	4.21%	25.76%	3.59%	0.51%	12.50%	2.86%	17.50%	55.7%	54.4%	37.0%
26-Apr-07	1290	70.7	5.4	1320	277.0	401.0	74.80	1990	5.48%	0.42%	21.47%	5.80%	31.09%	5.36%	0.41%	20.98%	5.67%	30.38%	3.55%	0.27%	13.92%	3.76%	20.15%	64.3%	62.8%	41.7%
27-Apr-07	1380	76.6	5.3	1460	305.0	414.0	72.70	2180	5.55%	0.38%	22.10%	5.27%	30.00%	5.25%	0.36%	20.89%	4.98%	28.36%	3.51%	0.24%	13.99%	3.33%	18.99%	63.3%	59.8%	40.1%
28-Apr-07	1140	81.6	5.8	1340	332.0	422.0	74.10	2190	7.16%	0.51%	29.12%	6.50%	37.02%	6.09%	0.43%	24.78%	5.53%	31.49%	3.73%	0.26%	15.16%	3.38%	19.27%	80.3%	68.3%	41.8%
29-Apr-07	883	78.8	6.5	1080	323.0	416.0	80.60	2010	8.92%	0.73%	36.58%	9.13%	47.11%	7.30%	0.60%	29.91%	7.46%	38.52%	3.92%	0.32%	16.07%	4.01%	20.70%	102.5%	83.8%	45.0%
30-Apr-07	995	76.3	6.8	967	298.0	393.0	80.70	1740	7.67%	0.69%	29.95%	8.11%	39.50%	7.89%	0.71%	30.82%	8.35%	40.64%	4.39%	0.39%	17.13%	4.64%	22.59%	85.9%	88.4%	49.1%
01-May-07	998	73.1	7.4	1040	279.0	370.0	75.20	1800	7.32%	0.75%	27.96%	7.54%	37.07%	7.03%	0.72%	26.83%	7.23%	35.58%	4.06%	0.41%	15.50%	4.18%	20.56%	80.6%	77.4%	44.7%
02-May-07	1030	71.2	8.3	1060	273.0	340.0	70.30	1760	6.91%	0.81%	26.50%	6.83%	33.01%	6.72%	0.79%	25.75%	6.63%	32.08%	4.05%	0.47%	15.51%	3.99%	19.32%	74.1%	72.0%	43.3%
03-May-07	1010	79.3	11.6	1070	344.0	327.0	75.50	1780	7.85%	1.15%	34.06%	7.48%	32.38%	7.41%	1.08%	32.15%	7.06%	30.56%	4.46%	0.65%	19.33%	4.24%	18.37%	82.9%	78.3%	47.0%
04-May-07	1010	196.0	20.4	1160	498.0	345.0	140.00	2030	19.41%	2.02%	49.31%	13.86%	34.16%	16.90%	1.76%	42.93%	12.07%	29.74%	9.66%	1.00%	24.53%	6.90%	17.00%	118.8%	103.4%	59.1%
05-May-07	1030	306.0	24.9	1410	542.0	505.0	183.00	2520	29.71%	2.42%	52.62%	17.77%	49.03%	21.70%	1.77%	38.44%	12.98%	35.82%	12.14%	0.99%	21.51%	7.26%	20.04%	151.5%	110.7%	61.9%
06-May-07	751	235.0	30.0	1090	509.0	705.0	154.00	2590	31.29%	3.99%	67.78%	20.51%	93.87%	21.56%	2.75%	46.70%	14.13%	64.68%	9.07%	1.16%	19.65%	5.95%	27.22%	217.4%	149.8%	63.1%
07-May-07	896	193.0	33.2	1100	542.0	682.0	127.00	2360	21.54%	3.71%	60.49%	14.17%	76.12%	17.55%	3.02%	49.27%	11.55%	62.00%	8.18%	1.41%	22.97%	5.38%	28.90%	176.0%	143.4%	66.8%
08-May-07	968	165.0	34.5	1190	608.0	618.0	114.00	2500	17.05%	3.56%	62.81%	11.78%	63.84%	13.87%	2.90%	51.09%	9.58%	51.93%	6.60%	1.38%	24.32%	4.56%	24.72%	159.0%	129.4%	61.6%
09-May-07	1020	141.0	36.0	1180	631.0	551.0	106.00	2470	13.82%	3.53%	61.86%	10.39%	54.02%	11.95%	3.05%	53.47%	8.98%	46.69%	5.71%	1.46%	25.55%	4.29%	22.31%	143.6%	124.2%	59.3%
10-May-07	1020	129.0	38.1	1190	575.0	480.0	102.00	2390	12.65%	3.74%	56.37%	10.00%	47.06%	10.84%	3.20%	48.32%	8.57%	40.34%	5.40%	1.59%	24.06%	4.27%	20.08%	129.8%	111.3%	55.4%
11-May-07	1010	119.0	39.0	1170	566.0	421.0	86.80	2250	11.78%	3.86%	56.04%	8.59%	41.68%	10.17%	3.33%	48.38%	7.42%	35.98%	5.29%	1.73%	25.16%	3.86%	18.71%	122.0%	105.3%	54.7%
12-May-07	954	109.0	39.6	1100	561.0	376.0	73.70	2120	11.43%	4.15%	58.81%	7.73%	39.41%	9.91%	3.60%	51.00%	6.70%	34.18%	5.14%	1.87%	26.46%	3.48%	17.74%	121.5%	105.4%	54.7%
13-May-07	982	100.0	40.1	1100	557.0	335.0	67.10	2020	10.18%	4.08%	56.72%	6.83%	34.11%	9.09%	3.65%	50.64%	6.10%	30.45%	4.95%	1.99%	27.57%	3.32%	16.58%	111.9%	99.9%	54.4%
14-May-07	990	92.2	40.2	1080	548.0	300.0	61.00	1950	9.31%	4.06%	55.35%	6.16%	30.30%	8.54%	3.72%	50.74%	5.65%	27.78%	4.73%	2.06%	28.10%	3.13%	15.38%	105.2%	96.4%	53.4%
15-May-07	1010	87.5	40.4	1140	572.0	267.0	53.80	1970	8.66%	4.00%	56.63%	5.33%	26.44%	7.68%	3.54%	50.18%	4.72%	23.42%	4.44%	2.05%	29.04%	2.73%	13.55%	101.1%	89.5%	51.8%
16-May-07	1020	88.1	40.6	1130	642.0	239.0	48.30	1950	8.64%	3.98%	62.94%	4.74%	23.43%	7.80%	3.59%	56.81%	4.27%	21.15%	4.52%	2.08%	32.92%	2.48%	12.26%	103.7%	93.6%	54.3%
17-May-07	1010	96.4	41.9	1130	766.0	216.0	44.50	2050	9.54%	4.15%	75.84%	4.41%	21.39%	8.53%	3.71%	67.79%	3.94%	19.12%	4.70%	2.04%	37.37%	2.17%	10.54%	115.3%	103.1%	56.8%
18-May-07	1010	109.0	43.9	1150	783.0	199.0	42.80	2180	10.79%	4.35%	77.52%	4.24%	19.70%	9.48%	3.82%	68.09%	3.72%	17.30%	5.00%	2.01%	35.92%	1.96%	9.13%	116.6%	102.4%	54.0%
19-May-07	993	115.0	46.6	1170	701.0	186.0	40.80	2130	11.58%	4.69%	70.59%	4.11%	18.73%	9.83%	3.98%	59.91%	3.49%	15.90%	5.40%	2.19%	32.91%	1.92%	8.73%	109.7%	93.1%	51.1%
20-May-07	1010	117.0	49.1	1150	686.0	179.0	41.90	2020	11.58%	4.86%	67.92%	4.15%	17.72%	10.17%	4.27%	59.65%	3.64%	15.57%	5.79%	2.43%	33.96%	2.07%	8.86%	106.2%	93.3%	53.1%
21-May-07	985	118.0	52.3	1150	707.0	184.0	86.00	2080	11.98%	5.31%	71.78%	8.73%	18.68%	10.26%	4.55%	61.48%	7.48%	16.00%	5.67%	2.51%	33.99%	4.13%	8.85%	116.5%	99.8%	55.2%
22-May-07	950	114.0	52.9	1170	698.0	178.0	86.00	2120	12.00%	5.57%	73.47%	9.05%	18.74%	9.74%	4.52%	59.66%	7.35%	15.21%	5.38%	2.50%	32.92%	4.06%	8.40%	118.8%	96.5%	53.3%
23-May-07	975	111.0	53.1	1100	673.0	172.0	69.80	2020	11.38%	5.45%	69.03%	7.16%	17.64%	10.09%	4.83%	61.18%	6.35%	15.64%	5.50%	2.63%	33.32%	3.46%	8.51%	110.7%	98.1%	53.4%
24-May-07	985	108.0	52.4	1160	631.0	158.0	55.50	2000	10.96%	5.32%	64.06%	5.63%	16.04%	9.31%	4.52%	54.40%	4.78%	13.62%	5.40%	2.62%	31.55%	2.78%	7.90%	102.0%	86.6%	50.2%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
25-May-07	1010	107.0	51.1	1190	632.0	152.0	45.60	1970	10.59%	5.06%	62.57%	4.51%	15.05%	8.99%	4.29%	53.11%	3.83%	12.77%	5.43%	2.59%	32.08%	2.31%	7.72%	97.8%	83.0%	50.1%
26-May-07	970	116.0	50.1	1140	718.0	135.0	38.70	1970	11.96%	5.16%	74.02%	3.99%	13.92%	10.18%	4.39%	62.98%	3.39%	11.84%	5.89%	2.54%	36.45%	1.96%	6.85%	109.1%	92.8%	53.7%
27-May-07	920	142.0	50.8	1100	842.0	124.0	33.50	2020	15.43%	5.52%	91.52%	3.64%	13.48%	12.91%	4.62%	76.55%	3.05%	11.27%	7.03%	2.51%	41.68%	1.66%	6.14%	**129.6%**	**108.4%**	59.0%
28-May-07	935	173.0	52.5	1190	970.0	116.0	29.50	2190	18.50%	5.61%	103.74%	3.16%	12.41%	14.54%	4.41%	81.51%	2.48%	9.75%	7.90%	2.40%	44.29%	1.35%	5.30%	**143.4%**	**112.7%**	61.2%
29-May-07	955	196.0	55.0	1260	958.0	113.0	26.80	2360	20.52%	5.76%	100.31%	2.81%	11.83%	15.56%	4.37%	76.03%	2.13%	8.97%	8.31%	2.33%	40.59%	1.14%	4.79%	**141.2%**	**107.0%**	57.2%
30-May-07	970	211.0	57.7	1310	995.0	114.0	24.00	2370	21.75%	5.95%	102.58%	2.47%	11.75%	16.11%	4.40%	75.95%	1.83%	8.70%	8.90%	2.43%	41.98%	1.01%	4.81%	**144.5%**	**107.0%**	59.1%
31-May-07	995	233.0	60.0	1340	1140.0	113.0	21.00	2490	23.42%	6.03%	114.57%	2.11%	11.36%	17.39%	4.48%	85.07%	1.57%	8.43%	9.36%	2.41%	45.78%	0.84%	4.54%	**157.5%**	**116.9%**	62.9%
01-Jun-07	1050	267.0	63.3	1380	1270.0	105.0	18.60	2670	25.43%	6.03%	120.95%	1.77%	10.00%	19.35%	4.59%	92.03%	1.35%	7.61%	10.00%	2.37%	47.57%	0.70%	3.93%	**164.2%**	**124.9%**	64.6%
02-Jun-07	860	298.0	66.9	1140	1340.0	94.9	16.40	2630	34.65%	7.78%	155.81%	1.91%	11.03%	26.14%	5.87%	117.5%	1.44%	8.32%	11.33%	2.54%	50.95%	0.62%	3.61%	**211.2%**	**159.3%**	69.1%
03-Jun-07	960	321.0	71.2	1070	1440.0	82.2	14.40	2540	33.44%	7.42%	150.00%	1.50%	8.56%	30.00%	6.65%	134.6%	1.35%	7.68%	12.64%	2.80%	56.69%	0.57%	3.24%	**200.9%**	**180.3%**	75.9%
04-Jun-07	1120	356.0	75.7	1460	1710.0	72.7	12.80	2860	31.79%	6.76%	152.68%	1.14%	6.49%	24.38%	5.18%	117.1%	0.88%	4.98%	12.45%	2.65%	**59.79%**	0.45%	2.54%	**198.9%**	**152.5%**	77.9%
05-Jun-07	729	442.0	81.6	1540	2070.0	70.6	11.60	3050	60.63%	11.19%	283.95%	1.59%	9.68%	28.70%	5.30%	134.4%	0.75%	4.58%	14.49%	2.68%	**67.87%**	0.38%	2.31%	**367.1%**	**173.8%**	87.7%
06-Jun-07	415	617.0	89.8	1240	2070.0	66.5	10.40	2960	148.7%	21.6%	498.8%	2.51%	16.02%	49.76%	7.24%	166.9%	0.84%	5.36%	20.84%	3.03%	**69.93%**	0.35%	2.25%	**687.6%**	**230.1%**	96.4%
07-Jun-07	658	691.0	102.0	1350	1880.0	59.5	10.40	2900	105.02%	15.50%	285.71%	1.58%	9.04%	51.19%	7.56%	139.3%	0.77%	4.41%	23.83%	3.52%	**64.83%**	0.36%	2.05%	**416.9%**	**203.2%**	94.6%
08-Jun-07	579	573.0	113.0	1420	1370.0	51.1	13.20	2620	98.96%	19.52%	236.61%	2.28%	8.83%	40.35%	7.96%	96.5%	0.93%	3.60%	21.87%	4.31%	**52.29%**	0.50%	1.95%	**366.2%**	**149.3%**	80.9%
09-Jun-07	440	468.0	119.0	1110	1110.0	52.1	15.30	2290	106.36%	27.05%	252.27%	3.48%	11.84%	42.16%	10.72%	100.0%	1.38%	4.69%	20.44%	5.20%	48.47%	0.67%	2.28%	**401.0%**	**159.0%**	77.0%
10-Jun-07	603	413.0	115.0	950	1120.0	49.7	14.40	2130	68.49%	19.07%	185.74%	2.39%	8.24%	43.47%	12.11%	117.9%	1.52%	5.23%	19.39%	5.40%	52.58%	0.68%	2.33%	**283.9%**	**180.2%**	80.4%
11-Jun-07	446	443.0	109.0	1100	1170.0	46.8	12.30	2380	99.33%	24.44%	262.33%	2.76%	10.49%	40.27%	9.91%	106.4%	1.12%	4.25%	18.61%	4.58%	49.16%	0.52%	1.97%	**399.3%**	**161.9%**	74.8%
12-Jun-07	451	436.0	107.0	952	1050.0	44.3	10.70	2210	96.67%	23.73%	232.82%	2.37%	9.82%	45.80%	11.24%	110.3%	1.12%	4.65%	19.73%	4.84%	47.51%	0.48%	2.00%	**365.4%**	**173.1%**	74.6%
13-Jun-07	451	381.0	103.0	888	902.0	40.6	9.88	2010	84.48%	22.84%	200.00%	2.19%	9.00%	42.91%	11.60%	101.6%	1.11%	4.57%	18.96%	5.12%	44.88%	0.49%	2.02%	**318.5%**	**161.8%**	71.5%
14-Jun-07	503	331.0	96.7	850	829.0	39.8	8.77	1830	65.81%	19.22%	164.81%	1.74%	7.91%	38.94%	11.38%	97.53%	1.03%	4.68%	18.09%	5.28%	45.30%	0.48%	2.17%	**259.5%**	**153.6%**	71.3%
15-Jun-07	522	305.0	89.9	842	830.0	44.0	7.89	1790	58.43%	17.22%	159.00%	1.51%	8.43%	36.22%	10.68%	98.57%	0.94%	5.23%	17.04%	5.02%	46.37%	0.44%	2.46%	**244.6%**	**151.6%**	71.3%
16-Jun-07	554	302.0	82.2	826	827.0	44.0	7.27	1760	54.51%	14.84%	149.28%	1.31%	7.94%	36.56%	9.95%	100.1%	0.88%	5.33%	17.16%	4.67%	46.99%	0.41%	2.50%	**227.9%**	**152.8%**	71.7%
17-Jun-07	635	305.0	76.3	889	860.0	43.7	6.79	1820	48.03%	12.02%	135.43%	1.07%	6.88%	34.31%	8.58%	96.74%	0.76%	4.92%	16.76%	4.19%	47.25%	0.37%	2.40%	**203.4%**	**145.3%**	71.0%
18-Jun-07	945	293.0	71.5	1150	853.0	50.2	6.96	2000	31.01%	7.57%	90.26%	0.74%	5.31%	25.48%	6.22%	74.17%	0.61%	4.37%	14.65%	3.58%	42.65%	0.35%	2.51%	134.9%	110.8%	63.7%
19-Jun-07	989	312.0	68.0	1320	806.0	79.4	6.63	2250	31.55%	6.88%	81.50%	0.67%	8.03%	23.64%	5.15%	61.06%	0.50%	6.02%	13.87%	3.02%	35.82%	0.29%	3.53%	128.6%	96.4%	56.5%
20-Jun-07	991	360.0	62.8	1440	693.0	96.5	6.09	2280	36.33%	6.34%	69.93%	0.61%	9.74%	25.00%	4.36%	48.13%	0.42%	6.70%	15.79%	2.75%	30.39%	0.27%	4.23%	122.9%	84.6%	53.4%
21-Jun-07	1010	339.0	58.7	1470	608.0	101.0	5.61	2200	33.56%	5.81%	60.20%	0.56%	10.00%	23.06%	3.99%	41.36%	0.38%	6.87%	15.41%	2.67%	27.64%	0.26%	4.59%	110.1%	75.7%	50.6%
22-Jun-07	1000	391.0	55.1	1470	630.0	105.0	4.98	2160	39.10%	5.51%	63.00%	0.50%	10.50%	26.60%	3.75%	42.86%	0.34%	7.14%	18.10%	2.55%	29.17%	0.23%	4.86%	118.6%	80.7%	54.9%
23-Jun-07	1030	380.0	51.8	1500	635.0	123.0	4.99	2190	36.89%	5.03%	61.65%	0.48%	11.94%	25.33%	3.45%	42.33%	0.33%	8.20%	17.35%	2.37%	29.00%	0.23%	5.62%	116.0%	79.7%	54.6%
24-Jun-07	973	334.0	51.3	1410	614.0	181.0	4.89	2200	34.33%	5.27%	63.10%	0.50%	18.60%	23.69%	3.64%	43.55%	0.35%	12.84%	15.18%	2.33%	27.91%	0.22%	8.23%	121.8%	84.1%	53.9%
25-Jun-07	1060	316.0	48.5	1370	561.0	159.0	4.61	2080	29.81%	4.58%	52.92%	0.43%	15.00%	23.07%	3.54%	40.95%	0.34%	11.61%	15.19%	2.33%	26.97%	0.22%	7.64%	102.7%	79.5%	52.4%
26-Jun-07	1070	285.0	46.8	1430	522.0	155.0	4.21	2090	26.64%	4.37%	48.79%	0.39%	14.49%	19.93%	3.27%	36.50%	0.29%	10.84%	13.64%	2.24%	24.98%	0.20%	7.42%	94.7%	70.8%	48.5%
27-Jun-07	982	255.0	44.9	1390	510.0	165.0	3.81	2070	25.97%	4.57%	51.93%	0.39%	16.80%	18.35%	3.23%	36.69%	0.27%	11.87%	12.32%	2.17%	24.64%	0.18%	7.97%	99.7%	70.4%	47.3%
28-Jun-07	1080	243.0	43.7	1350	522.0	130.0	3.58	1940	22.50%	4.05%	48.33%	0.33%	12.04%	18.00%	3.24%	38.67%	0.27%	9.63%	12.53%	2.25%	26.91%	0.18%	6.70%	87.2%	69.8%	48.6%
29-Jun-07	1110	243.0	43.7	1460	548.0	118.0	3.75	2110	21.89%	3.94%	49.37%	0.34%	10.63%	16.64%	2.99%	37.53%	0.26%	8.08%	11.52%	2.07%	25.97%	0.18%	5.59%	86.2%	65.5%	45.3%
30-Jun-07	826	238.0	42.0	1160	570.0	115.0	3.95	2000	28.81%	5.08%	69.01%	0.48%	13.92%	20.52%	3.62%	49.14%	0.34%	9.91%	11.90%	2.10%	28.50%	0.20%	5.75%	**117.3%**	83.5%	48.4%
01-Jul-07	918	231.0	40.7	1130	559.0	185.0	4.11	1920	25.16%	4.43%	60.89%	0.45%	20.15%	20.44%	3.60%	49.47%	0.36%	16.37%	12.03%	2.12%	29.11%	0.21%	9.64%	**111.1%**	90.2%	53.1%
02-Jul-07	1100	232.0	38.6	1360	519.0	400.0	11.80	2190	21.09%	3.51%	47.18%	1.07%	36.36%	17.06%	2.84%	38.16%	0.87%	29.41%	10.59%	1.76%	23.70%	0.54%	18.26%	**109.2%**	88.3%	54.9%
03-Jul-07	1240	218.0	36.8	1380	480.0	476.0	12.80	2420	17.58%	2.97%	38.71%	1.03%	38.39%	15.80%	2.67%	34.78%	0.93%	34.49%	9.01%	1.52%	19.83%	0.53%	19.67%	98.7%	88.7%	50.6%
04-Jul-07	1290	198.0	35.3	1580	459.0	396.0	10.10	2420	15.35%	2.74%	35.58%	0.78%	30.70%	12.53%	2.23%	29.05%	0.64%	25.06%	8.18%	1.46%	18.97%	0.42%	16.36%	85.1%	69.5%	45.4%
05-Jul-07	1280	184.0	33.7	1550	447.0	327.0	8.15	2330	14.38%	2.63%	34.92%	0.64%	25.55%	11.87%	2.17%	28.84%	0.53%	21.10%	7.90%	1.45%	19.18%	0.35%	14.03%	78.1%	64.5%	42.9%
06-Jul-07	1240	174.0	32.6	1540	438.0	270.0	6.86	2220	14.03%	2.63%	35.32%	0.55%	21.77%	11.30%	2.12%	28.44%	0.45%	17.53%	7.84%	1.47%	19.73%	0.31%	12.16%	74.3%	59.8%	41.5%
07-Jul-07	1180	164.0	31.0	1430	410.0	213.0	5.70	2110	13.90%	2.63%	34.75%	0.48%	18.05%	11.47%	2.17%	28.67%	0.40%	14.90%	7.77%	1.47%	19.43%	0.27%	10.09%	69.8%	57.6%	39.0%
08-Jul-07	1200	152.0	29.3	1410	365.0	174.0	4.93	1990	12.67%	2.44%	30.42%	0.41%	14.50%	10.78%	2.08%	25.89%	0.35%	12.34%	7.64%	1.47%	18.34%	0.25%	8.74%	60.4%	51.4%	36.4%
09-Jul-07	1220	143.0	28.2	1390	331.0	145.0	4.42	1880	11.72%	2.31%	27.13%	0.36%	11.89%	10.29%	2.03%	23.81%	0.32%	10.43%	7.61%	1.50%	17.61%	0.24%	7.71%	53.4%	46.9%	34.7%
10-Jul-07	1170	133.0	26.9	1330	305.0	133.0	3.89	1810	11.37%	2.30%	26.07%	0.33%	11.37%	10.00%	2.02%	22.93%	0.29%	10.00%	7.35%	1.49%	16.85%	0.21%	7.35%	51.4%	45.2%	33.2%
11-Jul-07	1180	127.0	25.5	1350	308.0	123.0	3.42	1770	10.76%	2.16%	26.10%	0.29%	10.42%	9.41%	1.89%	22.81%	0.25%	9.11%	7.18%	1.44%	17.40%	0.19%	6.95%	49.7%	43.5%	33.2%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
12-Jul-07	1230	124.0	24.1	1330	335.0	112.0	3.07	1760	10.08%	1.96%	27.24%	0.25%	9.11%	9.32%	1.81%	25.19%	0.23%	8.42%	7.05%	1.37%	19.03%	0.17%	6.36%	48.6%	45.0%	34.0%
13-Jul-07	1100	123.0	23.0	1120	338.0	99.7	2.86	1660	11.18%	2.09%	30.73%	0.26%	9.06%	10.98%	2.05%	30.18%	0.26%	8.90%	7.41%	1.39%	20.36%	0.17%	6.01%	53.3%	52.4%	35.3%
14-Jul-07	1170	121.0	22.0	1230	326.0	84.7	2.75	1710	10.34%	1.88%	27.86%	0.24%	7.24%	9.84%	1.79%	26.50%	0.22%	6.89%	7.08%	1.29%	19.06%	0.16%	4.95%	47.6%	45.2%	32.5%
15-Jul-07	1210	120.0	21.2	1250	327.0	74.8	2.57	1660	9.92%	1.75%	27.02%	0.21%	6.18%	9.60%	1.70%	26.16%	0.21%	5.98%	7.23%	1.28%	19.70%	0.15%	4.51%	45.1%	43.6%	32.9%
16-Jul-07	1260	119.0	20.2	1320	319.0	65.8	2.44	1710	9.44%	1.60%	25.32%	0.19%	5.22%	9.02%	1.53%	24.17%	0.18%	4.98%	6.96%	1.18%	18.65%	0.14%	3.85%	41.8%	39.9%	30.8%
17-Jul-07	1180	112.0	19.4	1390	296.0	60.7	2.14	1760	9.49%	1.64%	25.08%	0.18%	5.14%	8.06%	1.40%	21.29%	0.15%	4.37%	6.36%	1.10%	16.82%	0.12%	3.45%	41.5%	35.3%	27.9%
18-Jul-07	1180	104.0	18.6	1360	264.0	56.9	2.24	1740	8.81%	1.58%	22.37%	0.19%	4.82%	7.65%	1.37%	19.41%	0.16%	4.18%	5.98%	1.07%	15.17%	0.13%	3.27%	37.8%	32.8%	25.6%
19-Jul-07	1180	98.8	17.8	1340	278.0	53.7	2.28	1690	8.37%	1.51%	23.56%	0.19%	4.55%	7.37%	1.33%	20.75%	0.17%	4.01%	5.85%	1.05%	16.45%	0.13%	3.18%	38.2%	33.6%	26.7%
20-Jul-07	1170	101.0	17.3	1330	280.0	49.5	2.55	1690	8.63%	1.48%	23.93%	0.22%	4.23%	7.59%	1.30%	21.05%	0.19%	3.72%	5.98%	1.02%	16.57%	0.15%	2.93%	38.5%	33.9%	26.6%
21-Jul-07	1040	101.0	16.5	1230	281.0	46.4	2.62	1650	9.71%	1.59%	27.02%	0.25%	4.46%	8.21%	1.34%	22.85%	0.21%	3.77%	6.12%	1.00%	17.03%	0.16%	2.81%	43.0%	36.4%	27.1%
22-Jul-07	1000	92.3	15.5	1140	264.0	44.3	4.54	1560	9.23%	1.55%	26.40%	0.45%	4.43%	8.10%	1.36%	23.16%	0.40%	3.89%	5.92%	0.99%	16.92%	0.29%	2.84%	42.1%	36.9%	27.0%
23-Jul-07	1070	85.0	14.7	1210	243.0	40.0	5.23	1550	7.94%	1.37%	22.71%	0.49%	3.74%	7.02%	1.21%	20.08%	0.43%	3.31%	5.48%	0.95%	15.68%	0.34%	2.58%	36.3%	32.1%	25.0%
24-Jul-07	1120	79.9	14.1	1240	234.0	34.1	4.61	1580	7.13%	1.26%	20.89%	0.41%	3.04%	6.44%	1.14%	18.87%	0.37%	2.75%	5.06%	0.89%	14.81%	0.29%	2.16%	32.7%	29.6%	23.2%
25-Jul-07	965	74.6	13.6	1050	227.0	30.6	3.97	1460	7.73%	1.41%	23.52%	0.41%	3.17%	7.10%	1.30%	21.62%	0.38%	2.91%	5.11%	0.93%	15.55%	0.27%	2.10%	36.2%	33.3%	24.0%
26-Jul-07	1150	69.6	12.3	1260	208.0	28.1	3.59	1510	6.05%	1.07%	18.09%	0.31%	2.44%	5.52%	0.98%	16.51%	0.28%	2.23%	4.61%	0.81%	13.77%	0.24%	1.86%	28.0%	25.5%	21.3%
27-Jul-07	1110	65.5	11.6	1230	184.0	26.6	3.32	1560	5.90%	1.05%	16.58%	0.30%	2.40%	5.33%	0.94%	14.96%	0.27%	2.16%	4.20%	0.74%	11.79%	0.21%	1.71%	26.2%	23.7%	18.7%
28-Jul-07	1050	62.6	11.1	1180	166.0	25.4	3.06	1490	5.96%	1.06%	15.81%	0.29%	2.42%	5.31%	0.94%	14.07%	0.26%	2.15%	4.20%	0.74%	11.14%	0.21%	1.70%	25.5%	22.7%	18.0%
29-Jul-07	1100	59.8	10.6	1220	159.0	26.7	2.90	1510	5.44%	0.96%	14.45%	0.26%	2.43%	4.90%	0.87%	13.03%	0.24%	2.19%	3.96%	0.70%	10.53%	0.19%	1.77%	23.5%	21.2%	17.2%
30-Jul-07	1220	58.0	10.3	1310	157.0	24.1	2.86	1520	4.75%	0.84%	12.87%	0.23%	1.98%	4.43%	0.79%	11.98%	0.22%	1.84%	3.82%	0.68%	10.33%	0.19%	1.59%	20.7%	19.3%	16.6%
31-Jul-07	1200	56.0	10.1	1320	155.0	21.1	2.67	1570	4.67%	0.84%	12.92%	0.22%	1.76%	4.24%	0.77%	11.74%	0.20%	1.60%	3.57%	0.64%	9.87%	0.17%	1.34%	20.4%	18.6%	15.6%
01-Aug-07	1240	54.1	9.2	1320	146.0	20.4	2.52	1550	4.36%	0.74%	11.77%	0.20%	1.65%	4.10%	0.70%	11.06%	0.19%	1.55%	3.49%	0.59%	9.42%	0.16%	1.32%	18.7%	17.6%	15.0%
02-Aug-07	1160	51.9	8.5	1280	133.0	19.1	2.19	1540	4.47%	0.74%	11.47%	0.19%	1.65%	4.05%	0.67%	10.39%	0.17%	1.49%	3.37%	0.55%	8.64%	0.14%	1.24%	18.5%	16.8%	13.9%
03-Aug-07	1200	51.1	8.1	1300	122.0	17.8	2.16	1510	4.26%	0.68%	10.17%	0.18%	1.48%	3.93%	0.63%	9.38%	0.17%	1.37%	3.38%	0.54%	8.08%	0.14%	1.18%	16.8%	15.5%	13.3%
04-Aug-07	1150	50.8	7.9	1260	121.0	19.3	1.96	1520	4.42%	0.69%	10.52%	0.17%	1.68%	4.03%	0.63%	9.60%	0.16%	1.53%	3.34%	0.52%	7.96%	0.13%	1.27%	17.5%	15.9%	13.2%
05-Aug-07	1180	50.9	7.6	1220	126.0	20.3	1.92	1460	4.31%	0.64%	10.68%	0.16%	1.72%	4.17%	0.62%	10.33%	0.16%	1.66%	3.49%	0.52%	8.63%	0.13%	1.39%	17.5%	16.9%	14.2%
06-Aug-07	1190	50.4	7.1	1310	133.0	21.4	1.77	1530	4.24%	0.60%	11.18%	0.15%	1.80%	3.85%	0.54%	10.15%	0.14%	1.63%	3.29%	0.46%	8.69%	0.12%	1.40%	18.0%	16.3%	14.0%
07-Aug-07	1250	50.4	7.1	1250	135.0	26.0	1.70	1500	4.03%	0.56%	10.80%	0.14%	2.08%	4.03%	0.56%	10.80%	0.14%	2.08%	3.36%	0.47%	9.00%	0.11%	1.73%	17.6%	17.6%	14.7%
08-Aug-07	1260	51.0	6.9	1270	129.0	33.3	2.26	1530	4.05%	0.55%	10.24%	0.18%	2.64%	4.02%	0.55%	10.16%	0.18%	2.62%	3.33%	0.45%	8.43%	0.15%	2.18%	17.7%	17.5%	14.5%
09-Aug-07	1080	50.8	6.2	1110	130.0	32.8	3.91	1420	4.70%	0.58%	12.04%	0.36%	3.04%	4.58%	0.56%	11.71%	0.35%	2.95%	3.58%	0.44%	9.15%	0.28%	2.31%	20.7%	20.2%	15.8%
10-Aug-07	1130	52.0	5.9	1130	127.0	31.6	3.97	1380	4.60%	0.53%	11.24%	0.35%	2.80%	4.60%	0.53%	11.24%	0.35%	2.80%	3.77%	0.43%	9.20%	0.29%	2.29%	19.5%	19.5%	16.0%
11-Aug-07	1230	51.5	5.8	1310	115.0	29.8	3.68	1520	4.19%	0.47%	9.35%	0.30%	2.42%	3.93%	0.44%	8.78%	0.28%	2.27%	3.39%	0.38%	7.57%	0.24%	1.96%	16.7%	15.7%	13.5%
12-Aug-07	1220	53.6	6.1	1210	136.0	29.0	4.16	1470	4.39%	0.50%	11.15%	0.34%	2.38%	4.43%	0.50%	11.24%	0.34%	2.40%	3.65%	0.41%	9.25%	0.28%	1.97%	18.8%	18.9%	15.6%
13-Aug-07	1270	58.4	6.6	1290	268.0	26.4	4.79	1500	4.60%	0.52%	21.10%	0.38%	2.08%	4.53%	0.51%	20.78%	0.37%	2.05%	3.89%	0.44%	17.87%	0.32%	1.76%	28.7%	28.2%	24.3%
14-Aug-07	1220	61.0	8.2	1240	273.0	25.0	17.70	1640	5.00%	0.68%	22.38%	1.45%	2.05%	4.92%	0.66%	22.02%	1.43%	2.02%	3.72%	0.50%	16.65%	1.08%	1.52%	31.6%	31.0%	23.5%
15-Aug-07	1330	58.7	10.4	1370	220.0	24.5	32.40	1670	4.41%	0.78%	16.54%	**2.44%**	1.84%	4.28%	0.76%	16.06%	2.36%	1.79%	3.51%	0.62%	13.17%	1.94%	1.47%	26.0%	25.3%	20.7%
16-Aug-07	1330	55.3	11.2	1400	185.0	21.3	27.40	1720	4.16%	0.84%	13.91%	2.06%	1.60%	3.95%	0.80%	13.21%	1.96%	1.52%	3.22%	0.65%	10.76%	1.59%	1.24%	22.6%	21.4%	17.5%
17-Aug-07	1380	52.7	11.9	1440	165.0	19.9	22.30	1640	3.82%	0.86%	11.96%	1.62%	1.44%	3.66%	0.83%	11.46%	1.55%	1.38%	3.21%	0.73%	10.06%	1.36%	1.21%	19.7%	18.9%	16.6%
18-Aug-07	1340	53.3	12.6	1420	195.0	19.8	17.70	1660	3.98%	0.94%	14.55%	1.32%	1.48%	3.75%	0.89%	13.73%	1.25%	1.39%	3.21%	0.76%	11.75%	1.07%	1.19%	22.3%	21.0%	18.0%
19-Aug-07	1370	56.5	13.0	1450	219.0	18.9	16.00	1690	4.12%	0.95%	15.99%	1.17%	1.38%	3.90%	0.90%	15.10%	1.10%	1.30%	3.34%	0.77%	12.96%	0.95%	1.12%	23.6%	22.3%	19.1%
20-Aug-07	1330	63.9	14.1	1450	196.0	17.5	15.70	1700	4.80%	1.06%	14.74%	1.18%	1.32%	4.41%	0.97%	13.52%	1.08%	1.21%	3.76%	0.83%	11.53%	0.92%	1.03%	23.1%	21.2%	18.1%
21-Aug-07	1040	75.5	15.0	1120	181.0	17.9	14.50	1530	7.26%	1.44%	17.40%	1.39%	1.72%	6.74%	1.34%	16.16%	1.29%	1.60%	4.93%	0.98%	11.83%	0.95%	1.17%	29.2%	27.1%	19.9%
22-Aug-07	1030	83.0	15.2	1130	168.0	17.6	12.30	1420	8.06%	1.48%	16.31%	1.19%	1.71%	7.35%	1.35%	14.87%	1.09%	1.56%	5.85%	1.07%	11.83%	0.87%	1.24%	28.7%	26.2%	20.9%
23-Aug-07	991	86.9	15.2	1100	154.0	22.2	11.10	1400	8.77%	1.53%	15.54%	1.12%	2.24%	7.90%	1.38%	14.00%	1.01%	2.02%	6.21%	1.09%	11.00%	0.79%	1.59%	29.2%	26.3%	20.7%
24-Aug-07	1040	84.2	15.2	1080	145.0	35.9	10.90	1360	8.10%	1.46%	13.94%	1.05%	3.45%	7.80%	1.41%	13.43%	1.01%	3.32%	6.19%	1.12%	10.66%	0.80%	2.64%	28.0%	27.0%	21.4%
25-Aug-07	967	92.1	15.2	1090	139.0	52.5	10.30	1370	9.52%	1.57%	14.37%	1.07%	5.43%	8.45%	1.39%	12.75%	0.94%	4.82%	6.72%	1.11%	10.15%	0.75%	3.83%	32.0%	28.4%	22.6%
26-Aug-07	617	127.0	15.3	932	140.0	88.7	10.00	1360	20.58%	2.48%	22.69%	1.62%	14.38%	13.63%	1.64%	15.02%	1.07%	9.52%	9.34%	1.13%	10.29%	0.74%	6.52%	61.8%	40.9%	28.0%
27-Aug-07	1060	170.0	15.0	959	157.0	378.0	11.00	1330	16.04%	1.42%	14.81%	1.04%	35.66%	17.73%	1.56%	16.37%	1.15%	39.42%	12.78%	1.13%	11.80%	0.83%	28.42%	69.0%	76.2%	55.0%
28-Aug-07	997	158.0	14.8	1210	150.0	373.0	10.30	1830	15.85%	1.48%	15.05%	1.03%	37.41%	13.06%	1.22%	12.40%	0.85%	30.83%	8.63%	0.81%	8.20%	0.56%	20.38%	70.8%	58.4%	38.6%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
29-Aug-07	963	141.0	14.6	1080	137.0	280.0	9.33	1640	14.64%	1.52%	14.23%	0.97%	29.08%	13.06%	1.35%	12.69%	0.86%	25.93%	8.60%	0.89%	8.35%	0.57%	17.07%	60.4%	53.9%	35.5%
30-Aug-07	1040	133.0	14.4	1160	129.0	217.0	8.34	1550	12.79%	1.38%	12.40%	0.80%	20.87%	11.47%	1.24%	11.12%	0.72%	18.71%	8.58%	0.93%	8.32%	0.54%	14.00%	48.2%	43.3%	32.4%
31-Aug-07	1030	129.0	14.1	1190	135.0	184.0	7.41	1580	12.52%	1.37%	13.11%	0.72%	17.86%	10.84%	1.18%	11.34%	0.62%	15.46%	8.16%	0.89%	8.54%	0.47%	11.65%	45.6%	39.5%	29.7%
01-Sep-07	755	122.0	13.7	1020	164.0	159.0	6.81	1510	16.16%	1.81%	21.72%	0.90%	21.06%	11.96%	1.34%	16.08%	0.67%	15.59%	8.08%	0.91%	10.86%	0.45%	10.53%	61.7%	45.6%	30.8%
02-Sep-07	762	112.0	13.3	822	161.0	137.0	6.72	1290	14.70%	1.75%	21.13%	0.88%	17.98%	13.63%	1.62%	19.59%	0.82%	16.67%	8.68%	1.03%	12.48%	0.52%	10.62%	56.4%	52.3%	33.3%
03-Sep-07	1060	102.0	12.8	1050	145.0	111.0	6.49	1320	9.62%	1.21%	13.68%	0.61%	10.47%	9.71%	1.22%	13.81%	0.62%	10.57%	7.73%	0.97%	10.98%	0.49%	8.41%	35.6%	35.9%	28.6%
04-Sep-07	1230	94.6	12.4	1260	134.0	97.3	6.01	1530	7.69%	1.01%	10.89%	0.49%	7.91%	7.51%	0.98%	10.63%	0.48%	7.72%	6.18%	0.81%	8.76%	0.39%	6.36%	28.0%	27.3%	22.5%
05-Sep-07	1100	88.0	12.1	1290	129.0	86.8	5.34	1610	8.00%	1.10%	11.73%	0.49%	7.89%	6.82%	0.94%	10.00%	0.41%	6.73%	5.47%	0.75%	8.01%	0.33%	5.39%	29.2%	24.9%	20.0%
06-Sep-07	1040	82.5	11.6	1110	130.0	79.6	4.84	1440	7.93%	1.12%	12.50%	0.47%	7.65%	7.43%	1.05%	11.71%	0.44%	7.17%	5.73%	0.81%	9.03%	0.34%	5.53%	29.7%	27.8%	21.4%
07-Sep-07	1160	78.0	11.1	1220	135.0	76.5	4.52	1500	6.72%	0.96%	11.64%	0.39%	6.59%	6.39%	0.91%	11.07%	0.37%	6.27%	5.20%	0.74%	9.00%	0.30%	5.10%	26.3%	25.0%	20.3%
08-Sep-07	1160	73.3	10.5	1210	135.0	77.9	4.26	1510	6.32%	0.91%	11.64%	0.37%	6.72%	6.06%	0.87%	11.16%	0.35%	6.44%	4.85%	0.70%	8.94%	0.28%	5.16%	25.9%	24.9%	19.9%
09-Sep-07	1000	68.7	10.1	1090	126.0	72.7	3.96	1460	6.87%	1.01%	12.60%	0.40%	7.27%	6.30%	0.93%	11.56%	0.36%	6.67%	4.71%	0.69%	8.63%	0.27%	4.98%	28.1%	25.8%	19.3%
10-Sep-07	1160	64.4	9.7	1150	116.0	64.6	3.69	1360	5.55%	0.84%	10.00%	0.32%	5.57%	5.60%	0.85%	10.09%	0.32%	5.62%	4.74%	0.72%	8.53%	0.27%	4.75%	22.3%	22.5%	19.0%
11-Sep-07	1220	62.1	9.4	1260	108.0	59.2	3.60	1510	5.09%	0.77%	8.85%	0.30%	4.85%	4.93%	0.75%	8.57%	0.29%	4.70%	4.11%	0.62%	7.15%	0.24%	3.92%	19.9%	19.2%	16.0%
12-Sep-07	1200	60.9	9.0	1300	108.0	53.4	3.40	1520	5.08%	0.75%	9.00%	0.28%	4.45%	4.68%	0.69%	8.31%	0.26%	4.11%	4.01%	0.59%	7.11%	0.22%	3.51%	19.6%	18.1%	15.4%
13-Sep-07	1050	58.9	8.7	1110	110.0	48.6	3.22	1430	5.61%	0.83%	10.48%	0.31%	4.63%	5.31%	0.78%	9.91%	0.29%	4.38%	4.12%	0.61%	7.69%	0.23%	3.40%	21.8%	20.7%	16.0%
14-Sep-07	1180	56.5	8.3	1270	102.0	45.0	3.06	1440	4.79%	0.71%	8.64%	0.26%	3.81%	4.45%	0.66%	8.03%	0.24%	3.54%	3.92%	0.58%	7.08%	0.21%	3.13%	18.2%	16.9%	14.9%
15-Sep-07	1150	53.9	8.0	1170	93.0	42.0	3.14	1420	4.69%	0.69%	8.09%	0.27%	3.65%	4.61%	0.68%	7.95%	0.27%	3.59%	3.80%	0.56%	6.55%	0.22%	2.96%	17.4%	17.1%	14.1%
16-Sep-07	1040	51.4	7.9	1090	86.9	39.0	0.35	1390	4.94%	0.76%	8.36%	0.03%	3.75%	4.72%	0.72%	7.97%	0.03%	3.58%	3.70%	0.57%	6.25%	0.03%	2.81%	17.8%	17.0%	13.3%
17-Sep-07	1170	49.5	7.6	1170	82.5	36.6	3.54	1320	4.23%	0.65%	7.05%	0.30%	3.13%	4.23%	0.65%	7.05%	0.30%	3.13%	3.75%	0.58%	6.25%	0.27%	2.77%	15.4%	15.4%	13.6%
18-Sep-07	1050	48.3	7.1	1260	82.6	34.8	3.34	1530	4.60%	0.68%	7.87%	0.32%	3.31%	3.83%	0.56%	6.56%	0.27%	2.76%	3.16%	0.46%	5.40%	0.22%	2.27%	16.8%	14.0%	11.5%
19-Sep-07	1240	47.0	6.6	1140	80.0	33.6	3.21	1330	3.79%	0.53%	6.45%	0.26%	2.71%	4.12%	0.58%	7.02%	0.28%	2.95%	3.53%	0.50%	6.02%	0.24%	2.53%	13.7%	14.9%	12.8%
20-Sep-07	1160	46.0	6.6	1170	75.1	33.2	3.05	1420	3.97%	0.57%	6.47%	0.26%	2.86%	3.93%	0.56%	6.42%	0.26%	2.84%	3.24%	0.47%	5.29%	0.21%	2.34%	14.1%	14.0%	11.5%
21-Sep-07	1160	44.9	6.4	1230	71.8	33.0	2.94	1430	3.87%	0.55%	6.19%	0.25%	2.84%	3.65%	0.52%	5.84%	0.24%	2.68%	3.14%	0.44%	5.02%	0.21%	2.31%	13.7%	12.9%	11.1%
22-Sep-07	1100	44.3	6.1	1170	81.0	32.5	2.84	1380	4.03%	0.56%	7.36%	0.26%	2.95%	3.79%	0.52%	6.92%	0.24%	2.78%	3.21%	0.44%	5.87%	0.21%	2.36%	15.2%	14.3%	12.1%
23-Sep-07	996	44.2	5.8	1090	108.0	32.4	2.80	1330	4.44%	0.58%	10.84%	0.28%	3.25%	4.06%	0.53%	9.91%	0.26%	2.97%	3.32%	0.44%	8.12%	0.21%	2.44%	19.4%	17.7%	14.5%
24-Sep-07	1080	43.9	5.5	1120	112.0	33.3	2.78	1320	4.06%	0.51%	10.37%	0.26%	3.08%	3.92%	0.49%	10.00%	0.25%	2.97%	3.33%	0.42%	8.48%	0.21%	2.52%	18.3%	17.6%	15.0%
25-Sep-07	1170	42.9	5.7	1150	108.0	33.6	2.84	1340	3.67%	0.48%	9.23%	0.24%	2.87%	3.73%	0.49%	9.39%	0.25%	2.92%	3.20%	0.42%	8.06%	0.21%	2.51%	16.5%	16.8%	14.4%
26-Sep-07	1250	42.3	5.6	1340	131.0	32.9	2.87	1520	3.38%	0.45%	10.48%	0.23%	2.63%	3.16%	0.42%	9.78%	0.21%	2.46%	2.78%	0.37%	8.62%	0.19%	2.16%	17.2%	16.0%	14.1%
27-Sep-07	1250	42.3	5.4	1300	162.0	31.7	2.80	1520	3.38%	0.44%	12.96%	0.22%	2.54%	3.25%	0.42%	12.46%	0.22%	2.44%	2.78%	0.36%	10.66%	0.18%	2.09%	19.5%	18.8%	16.1%
28-Sep-07	1270	42.6	5.0	1310	171.0	31.5	2.68	1550	3.35%	0.39%	13.46%	0.21%	2.48%	3.25%	0.38%	13.05%	0.20%	2.40%	2.75%	0.32%	11.03%	0.17%	2.03%	19.9%	19.3%	16.3%
29-Sep-07	1200	43.6	4.8	1270	180.0	31.4	2.58	1560	3.63%	0.40%	15.00%	0.22%	2.62%	3.43%	0.37%	14.17%	0.20%	2.47%	2.79%	0.30%	11.54%	0.17%	2.01%	21.9%	20.7%	16.8%
30-Sep-07	1320	43.6	4.7	1310	160.0	31.2	2.58	1540	3.30%	0.35%	12.12%	0.20%	2.36%	3.33%	0.35%	12.21%	0.20%	2.38%	2.83%	0.30%	10.39%	0.17%	2.03%	18.3%	18.5%	15.7%
01-Oct-07	1250	42.4	4.7	1350	144.0	32.1	2.65	1580	3.39%	0.37%	11.52%	0.21%	2.57%	3.14%	0.34%	10.67%	0.20%	2.38%	2.68%	0.29%	9.11%	0.17%	2.03%	18.1%	16.7%	14.3%
02-Oct-07	1200	41.5	4.8	1260	142.0	33.2	2.56	1500	3.46%	0.40%	11.83%	0.21%	2.77%	3.29%	0.38%	11.27%	0.20%	2.63%	2.77%	0.32%	9.47%	0.17%	2.21%	18.7%	17.8%	14.9%
03-Oct-07	1160	40.8	5.0	1170	201.0	33.2	2.50	1460	3.52%	0.43%	17.33%	0.22%	2.86%	3.49%	0.42%	17.18%	0.21%	2.84%	2.79%	0.34%	13.77%	0.17%	2.27%	24.3%	24.1%	19.3%
04-Oct-07	1270	40.3	4.7	1320	194.0	32.3	2.63	1580	3.17%	0.37%	15.28%	0.21%	2.54%	3.05%	0.36%	14.70%	0.20%	2.45%	2.55%	0.30%	12.28%	0.17%	2.04%	21.6%	20.8%	17.3%
05-Oct-07	1160	39.5	4.6	1210	165.0	32.4	2.68	1520	3.41%	0.40%	14.22%	0.23%	2.79%	3.26%	0.38%	13.64%	0.22%	2.68%	2.60%	0.30%	10.86%	0.18%	2.13%	21.1%	20.2%	16.1%
06-Oct-07	1240	38.5	4.7	1280	145.0	32.3	2.95	1530	3.10%	0.38%	11.69%	0.24%	2.60%	3.01%	0.37%	11.33%	0.23%	2.52%	2.52%	0.31%	9.48%	0.19%	2.11%	18.0%	17.5%	14.6%
07-Oct-07	1140	38.2	5.1	1230	140.0	32.6	3.18	1520	3.35%	0.45%	12.28%	0.28%	2.86%	3.11%	0.41%	11.38%	0.26%	2.65%	2.51%	0.34%	9.21%	0.21%	2.14%	19.2%	17.8%	14.4%
08-Oct-07	1270	38.0	4.8	1190	351.0	31.6	3.10	1450	2.99%	0.38%	27.64%	0.24%	2.49%	3.19%	0.40%	29.50%	0.26%	2.66%	2.62%	0.33%	24.21%	0.21%	2.18%	33.7%	36.0%	29.6%
09-Oct-07	1400	37.4	4.9	1390	381.0	30.9	3.07	1780	2.67%	0.35%	27.21%	0.22%	2.21%	2.69%	0.36%	27.41%	0.22%	2.22%	2.10%	0.28%	21.40%	0.17%	1.74%	32.7%	32.9%	25.7%
10-Oct-07	1370	36.6	4.9	1420	294.0	30.3	3.21	1790	2.67%	0.36%	21.46%	0.23%	2.21%	2.58%	0.35%	20.70%	0.23%	2.13%	2.04%	0.27%	16.42%	0.18%	1.69%	26.9%	26.0%	20.6%
11-Oct-07	1160	35.7	5.2	1310	248.0	29.8	3.45	1710	3.08%	0.44%	21.38%	0.30%	2.57%	2.73%	0.39%	18.93%	0.26%	2.27%	2.09%	0.30%	14.50%	0.20%	1.74%	27.8%	24.6%	18.8%
12-Oct-07	1240	35.0	5.5	1220	227.0	29.4	3.83	1540	2.82%	0.44%	18.31%	0.31%	2.37%	2.87%	0.45%	18.61%	0.31%	2.41%	2.27%	0.36%	14.74%	0.25%	1.91%	24.3%	24.7%	19.5%
13-Oct-07	1330	34.7	5.4	1330	206.0	27.7	3.78	1600	2.61%	0.41%	15.49%	0.28%	2.08%	2.61%	0.41%	15.49%	0.28%	2.08%	2.17%	0.34%	12.88%	0.24%	1.73%	20.9%	20.9%	17.3%
14-Oct-07	1260	34.3	5.6	1290	188.0	26.8	3.55	1610	2.72%	0.44%	14.92%	0.28%	2.13%	2.66%	0.43%	14.57%	0.28%	2.08%	2.13%	0.34%	11.68%	0.22%	1.66%	20.5%	20.0%	16.0%
15-Oct-07	1230	34.0	5.6	1270	188.0	25.1	3.48	1570	2.76%	0.45%	15.28%	0.28%	2.04%	2.68%	0.44%	14.80%	0.27%	1.98%	2.17%	0.35%	11.97%	0.22%	1.60%	20.8%	20.2%	16.3%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
16-Oct-07	1150	34.7	5.7	1140	200.0	24.4	3.43	1490	3.02%	0.49%	17.39%	0.30%	2.12%	3.04%	0.50%	17.54%	0.30%	2.14%	2.33%	0.38%	13.42%	0.23%	1.64%	23.3%	23.5%	18.0%
17-Oct-07	1230	41.0	6.3	1250	243.0	24.5	3.51	1520	3.33%	0.51%	19.76%	0.29%	1.99%	3.28%	0.51%	19.44%	0.28%	1.96%	2.70%	0.42%	15.99%	0.23%	1.61%	25.9%	25.5%	20.9%
18-Oct-07	1200	44.5	6.7	1210	292.0	24.5	3.34	1570	3.71%	0.56%	24.33%	0.28%	2.04%	3.68%	0.55%	24.13%	0.28%	2.02%	2.83%	0.43%	18.60%	0.21%	1.56%	30.9%	30.7%	23.6%
19-Oct-07	1230	45.2	7.0	1260	256.0	24.7	3.44	1630	3.67%	0.57%	20.81%	0.28%	2.01%	3.59%	0.55%	20.32%	0.27%	1.96%	2.77%	0.43%	15.71%	0.21%	1.52%	27.3%	26.7%	20.6%
20-Oct-07	1230	43.7	7.4	1250	226.0	27.2	3.94	1600	3.55%	0.60%	18.37%	0.32%	2.21%	3.50%	0.59%	18.08%	0.32%	2.18%	2.73%	0.46%	14.13%	0.25%	1.70%	25.1%	24.7%	19.3%
21-Oct-07	1270	41.9	7.7	1300	202.0	31.1	4.44	1600	3.30%	0.60%	15.91%	0.35%	2.45%	3.22%	0.59%	15.54%	0.34%	2.39%	2.62%	0.48%	12.63%	0.28%	1.94%	22.6%	22.1%	17.9%
22-Oct-07	1260	40.6	8.0	1280	184.0	30.0	4.52	1590	3.22%	0.63%	14.60%	0.36%	2.38%	3.17%	0.62%	14.38%	0.35%	2.34%	2.55%	0.50%	11.57%	0.28%	1.89%	21.2%	20.9%	16.8%
23-Oct-07	1260	38.8	8.2	1270	190.0	27.7	4.33	1570	3.08%	0.65%	15.08%	0.34%	2.20%	3.06%	0.64%	14.96%	0.34%	2.18%	2.47%	0.52%	12.10%	0.28%	1.76%	21.4%	21.2%	17.1%
24-Oct-07	1340	37.7	8.1	1280	297.0	25.7	4.09	1580	2.81%	0.61%	22.16%	0.31%	1.92%	2.95%	0.64%	23.20%	0.32%	2.01%	2.39%	0.52%	18.80%	0.26%	1.63%	27.8%	29.1%	23.6%
25-Oct-07	1240	36.0	9.1	1310	492.0	24.6	4.00	1740	2.90%	0.74%	39.68%	0.32%	1.98%	2.75%	0.70%	37.56%	0.31%	1.88%	2.07%	0.52%	28.28%	0.23%	1.41%	45.6%	43.2%	32.5%
26-Oct-07	1280	35.9	9.1	1380	413.0	22.4	4.66	1800	2.80%	0.71%	32.27%	0.36%	1.75%	2.60%	0.66%	29.93%	0.34%	1.62%	1.99%	0.51%	22.94%	0.26%	1.24%	37.9%	35.1%	26.9%
27-Oct-07	1120	35.8	9.4	1170	326.0	20.4	6.22	1670	3.20%	0.84%	29.11%	0.56%	1.82%	3.06%	0.80%	27.86%	0.53%	1.74%	2.14%	0.56%	19.52%	0.37%	1.22%	35.5%	34.0%	23.8%
28-Oct-07	1260	35.6	10.4	1300	278.0	19.8	6.42	1640	2.83%	0.83%	22.06%	0.51%	1.57%	2.74%	0.80%	21.38%	0.49%	1.52%	2.17%	0.63%	16.95%	0.39%	1.21%	27.8%	26.9%	21.4%
29-Oct-07	1290	35.0	9.8	1320	254.0	19.1	5.85	1640	2.71%	0.76%	19.69%	0.45%	1.48%	2.65%	0.74%	19.24%	0.44%	1.45%	2.13%	0.59%	15.49%	0.36%	1.16%	25.1%	24.5%	19.7%
30-Oct-07	1280	33.8	10.1	1330	234.0	18.5	5.45	1630	2.64%	0.79%	18.28%	0.43%	1.45%	2.54%	0.76%	17.59%	0.41%	1.39%	2.07%	0.62%	14.36%	0.33%	1.13%	23.6%	22.7%	18.5%
31-Oct-07	1440	31.7	10.3	1420	212.0	17.9	5.24	1640	2.20%	0.72%	14.72%	0.36%	1.24%	2.23%	0.73%	14.93%	0.37%	1.26%	1.93%	0.63%	12.93%	0.32%	1.09%	19.2%	19.5%	16.9%
01-Nov-07	1390	29.7	10.3	1430	196.0	17.4	4.89	1690	2.14%	0.74%	14.10%	0.35%	1.25%	2.08%	0.72%	13.71%	0.34%	1.22%	1.76%	0.61%	11.60%	0.29%	1.03%	18.6%	18.1%	15.3%
02-Nov-07	1530	28.2	10.3	1670	180.0	16.8	4.30	1730	1.84%	0.67%	11.76%	0.28%	1.10%	1.69%	0.62%	10.78%	0.26%	1.01%	1.63%	0.60%	10.40%	0.25%	0.97%	15.7%	14.3%	13.8%
03-Nov-07	1400	27.1	10.2	1450	166.0	15.8	3.54	1710	1.94%	0.73%	11.86%	0.25%	1.13%	1.87%	0.70%	11.45%	0.24%	1.09%	1.58%	0.60%	9.71%	0.21%	0.92%	15.9%	15.4%	13.0%
04-Nov-07	1450	26.3	9.4	1500	155.0	14.9	2.66	1670	1.81%	0.65%	10.69%	0.18%	1.03%	1.75%	0.63%	10.33%	0.18%	0.99%	1.57%	0.57%	9.28%	0.16%	0.89%	14.4%	13.9%	12.5%
05-Nov-07	1510	25.7	9.9	1530	142.0	13.9	2.80	1680	1.70%	0.66%	9.40%	0.19%	0.92%	1.68%	0.65%	9.28%	0.18%	0.91%	1.53%	0.59%	8.45%	0.17%	0.83%	12.9%	12.7%	11.6%
06-Nov-07	1450	25.5	9.0	1520	133.0	13.0	3.29	1650	1.76%	0.62%	9.17%	0.23%	0.90%	1.68%	0.59%	8.75%	0.22%	0.86%	1.55%	0.55%	8.06%	0.20%	0.79%	12.7%	12.1%	11.1%
07-Nov-07	1410	25.1	8.8	1470	136.0	12.1	3.40	1620	1.78%	0.62%	9.65%	0.24%	0.86%	1.71%	0.60%	9.25%	0.23%	0.82%	1.55%	0.54%	8.40%	0.21%	0.75%	13.1%	12.6%	11.4%
08-Nov-07	1330	24.8	8.5	1410	140.0	12.3	3.30	1660	1.86%	0.64%	10.53%	0.25%	0.92%	1.76%	0.60%	9.93%	0.23%	0.87%	1.49%	0.51%	8.43%	0.20%	0.74%	14.2%	13.4%	11.4%
09-Nov-07	1420	24.5	9.2	1480	155.0	12.8	3.17	1590	1.73%	0.65%	10.92%	0.22%	0.90%	1.66%	0.62%	10.47%	0.21%	0.86%	1.54%	0.58%	9.75%	0.20%	0.81%	14.4%	13.8%	12.9%
10-Nov-07	1400	24.4	9.6	1510	149.0	13.3	3.00	1680	1.74%	0.68%	10.64%	0.21%	0.95%	1.62%	0.63%	9.87%	0.20%	0.88%	1.45%	0.57%	8.87%	0.18%	0.79%	14.2%	13.2%	11.9%
11-Nov-07	1440	24.3	10.0	1420	153.0	13.8	2.92	1630	1.69%	0.69%	10.63%	0.20%	0.96%	1.71%	0.70%	10.77%	0.21%	0.97%	1.49%	0.61%	9.39%	0.18%	0.85%	14.2%	14.4%	12.5%
12-Nov-07	1530	23.8	10.7	1600	150.0	13.9	2.81	1670	1.56%	0.70%	9.80%	0.18%	0.91%	1.49%	0.67%	9.38%	0.18%	0.87%	1.43%	0.64%	8.98%	0.17%	0.83%	13.2%	12.6%	12.0%
13-Nov-07	1480	23.0	10.4	1560	146.0	14.0	2.61	1710	1.55%	0.70%	9.86%	0.18%	0.95%	1.47%	0.67%	9.36%	0.17%	0.90%	1.35%	0.61%	8.54%	0.15%	0.82%	13.2%	12.6%	11.5%
14-Nov-07	1600	22.0	10.5	1680	133.0	13.5	2.48	1760	1.38%	0.66%	8.31%	0.16%	0.84%	1.31%	0.63%	7.92%	0.15%	0.80%	1.25%	0.60%	7.56%	0.14%	0.77%	11.3%	10.8%	10.3%
15-Nov-07	1530	21.9	11.6	1630	127.0	13.0	2.40	1750	1.43%	0.76%	8.30%	0.16%	0.85%	1.34%	0.71%	7.79%	0.15%	0.80%	1.25%	0.66%	7.26%	0.14%	0.74%	11.5%	10.8%	10.1%
16-Nov-07	1500	21.9	9.9	1580	121.0	12.5	2.37	1710	1.46%	0.66%	8.07%	0.16%	0.83%	1.39%	0.63%	7.66%	0.15%	0.79%	1.28%	0.58%	7.08%	0.14%	0.73%	11.2%	10.6%	9.8%
17-Nov-07	1530	21.9	7.6	1600	112.0	11.9	2.26	1710	1.43%	0.50%	7.32%	0.15%	0.78%	1.37%	0.48%	7.00%	0.14%	0.74%	1.28%	0.45%	6.55%	0.13%	0.70%	10.2%	9.7%	9.1%
18-Nov-07	1560	21.8	8.1	1640	111.0	11.6	2.22	1710	1.40%	0.52%	7.12%	0.14%	0.74%	1.33%	0.49%	6.77%	0.14%	0.71%	1.27%	0.47%	6.49%	0.13%	0.68%	9.9%	9.4%	9.0%
19-Nov-07	1610	21.8	7.4	1650	107.0	11.2	2.27	1720	1.35%	0.46%	6.65%	0.14%	0.70%	1.32%	0.45%	6.48%	0.14%	0.68%	1.27%	0.43%	6.22%	0.13%	0.65%	9.3%	9.1%	8.7%
20-Nov-07	1620	21.6	6.5	1670	103.0	10.9	2.29	1740	1.33%	0.40%	6.36%	0.14%	0.67%	1.29%	0.39%	6.17%	0.14%	0.65%	1.24%	0.37%	5.92%	0.13%	0.63%	8.9%	8.6%	8.3%
21-Nov-07	1590	21.4	9.9	1650	95.3	10.1	2.25	1740	1.35%	0.62%	5.99%	0.14%	0.64%	1.30%	0.60%	5.78%	0.14%	0.61%	1.23%	0.57%	5.48%	0.13%	0.58%	8.7%	8.4%	8.0%
22-Nov-07	1620	21.3	22.1	1680	92.7	9.4	2.21	1710	1.31%	1.36%	5.72%	0.14%	0.58%	1.27%	1.32%	5.52%	0.13%	0.56%	1.25%	1.29%	5.42%	0.13%	0.55%	9.1%	8.8%	8.6%
23-Nov-07	1590	21.2	29.4	1640	92.4	8.8	2.19	1710	1.33%	1.85%	5.81%	0.14%	0.55%	1.29%	1.79%	5.63%	0.13%	0.54%	1.24%	1.72%	5.40%	0.13%	0.51%	9.7%	9.4%	9.0%
24-Nov-07	1620	21.0	30.7	1670	93.3	8.2	2.16	1700	1.30%	1.90%	5.76%	0.13%	0.51%	1.26%	1.84%	5.59%	0.13%	0.49%	1.24%	1.81%	5.49%	0.13%	0.48%	9.6%	9.3%	9.1%
25-Nov-07	1540	20.8	31.8	1600	93.3	7.7	2.10	1680	1.35%	2.06%	6.06%	0.14%	0.50%	1.30%	1.99%	5.83%	0.13%	0.48%	1.24%	1.89%	5.55%	0.13%	0.46%	10.1%	9.7%	9.3%
26-Nov-07	1610	20.6	32.4	1700	88.3	7.2	2.02	1750	1.28%	2.01%	5.48%	0.13%	0.45%	1.21%	1.91%	5.19%	0.12%	0.42%	1.18%	1.85%	5.05%	0.12%	0.41%	9.3%	8.9%	8.6%
27-Nov-07	1610	20.2	32.2	1680	79.1	6.8	1.98	1730	1.25%	2.00%	4.91%	0.12%	0.42%	1.20%	1.92%	4.71%	0.12%	0.40%	1.17%	1.86%	4.57%	0.11%	0.39%	8.7%	8.3%	8.1%
28-Nov-07	1630	19.7	42.3	1670	77.4	6.3	1.91	1710	1.21%	2.60%	4.75%	0.12%	0.39%	1.18%	2.53%	4.63%	0.11%	0.38%	1.15%	2.47%	4.53%	0.11%	0.37%	9.1%	8.8%	8.6%
29-Nov-07	1630	19.3	51.1	1700	75.8	6.0	1.83	1700	1.18%	3.13%	4.65%	0.11%	0.37%	1.14%	3.01%	4.46%	0.11%	0.35%	1.14%	3.01%	4.46%	0.11%	0.35%	9.4%	9.1%	9.1%
30-Nov-07	1720	18.9	47.9	1720	71.7	5.6	1.79	1700	1.10%	2.78%	4.17%	0.10%	0.33%	1.10%	2.78%	4.17%	0.10%	0.33%	1.11%	2.82%	4.22%	0.11%	0.33%	8.5%	8.5%	8.6%
01-Dec-07	1720	18.6	44.9	1730	68.7	5.3	1.68	1800	1.08%	2.61%	3.99%	0.10%	0.31%	1.08%	2.60%	3.97%	0.10%	0.31%	1.03%	2.49%	3.82%	0.09%	0.30%	8.1%	8.0%	7.7%
02-Dec-07	1740	18.4	42.9	1750	66.7	5.1	1.65	1770	1.06%	2.47%	3.83%	0.09%	0.29%	1.05%	2.45%	3.81%	0.09%	0.29%	1.04%	2.42%	3.77%	0.09%	0.29%	7.7%	7.7%	7.6%

Appendix J1: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2007. All data is in m3/s. Data for tributaries have yet to be finalized by the WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. Discharge	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
03-Dec-07	1800	18.2	40.3	1810	64.7	4.8	1.61	1800	1.01%	2.24%	3.59%	0.09%	0.27%	1.01%	2.23%	3.57%	0.09%	0.27%	1.01%	2.24%	3.59%	0.09%	0.27%	7.2%	7.2%	7.2%
04-Dec-07	1630	18.0	38.1	1700	63.5	4.6	1.57	1740	1.10%	2.34%	3.90%	0.10%	0.28%	1.06%	2.24%	3.74%	0.09%	0.27%	1.03%	2.19%	3.65%	0.09%	0.26%	7.7%	7.4%	7.2%
05-Dec-07	1550	17.7	35.9	1580	62.3	4.4	1.52	1620	1.14%	2.32%	4.02%	0.10%	0.28%	1.12%	2.27%	3.94%	0.10%	0.28%	1.09%	2.22%	3.85%	0.09%	0.27%	7.9%	7.7%	7.5%
06-Dec-07	1800	17.5	34.8	1820	61.4	4.1	1.46	1790	0.97%	1.93%	3.41%	0.08%	0.23%	0.96%	1.91%	3.37%	0.08%	0.23%	0.98%	1.94%	3.43%	0.08%	0.23%	6.6%	6.6%	6.7%
07-Dec-07	1810	17.4	32.6	1890	60.5	3.8	1.40	1870	0.96%	1.80%	3.34%	0.08%	0.21%	0.92%	1.72%	3.20%	0.07%	0.20%	0.93%	1.74%	3.24%	0.07%	0.20%	6.4%	6.1%	6.2%
08-Dec-07	1780	17.4	30.5	1850	58.8	3.7	1.37	1850	0.98%	1.71%	3.30%	0.08%	0.21%	0.94%	1.65%	3.18%	0.07%	0.20%	0.94%	1.65%	3.18%	0.07%	0.20%	6.3%	6.0%	6.0%
09-Dec-07	1820	17.4	28.9	1890	58.1	3.6	1.34	1880	0.96%	1.59%	3.19%	0.07%	0.20%	0.92%	1.53%	3.07%	0.07%	0.19%	0.93%	1.54%	3.09%	0.07%	0.19%	6.0%	5.8%	5.8%
10-Dec-07	1830	17.5	27.9	1900	57.9	3.5	1.29	1900	0.96%	1.52%	3.16%	0.07%	0.19%	0.92%	1.47%	3.05%	0.07%	0.18%	0.92%	1.47%	3.05%	0.07%	0.18%	5.9%	5.7%	5.7%
11-Dec-07	1610	17.5	27.4	1780	57.8	3.2	1.25	1840	1.09%	1.70%	3.59%	0.08%	0.20%	0.98%	1.54%	3.25%	0.07%	0.18%	0.95%	1.49%	3.14%	0.07%	0.18%	6.7%	6.0%	5.8%
12-Dec-07	1710	17.5	27.1	1730	58.3	3.0	1.23	1770	1.02%	1.58%	3.41%	0.07%	0.17%	1.01%	1.57%	3.37%	0.07%	0.17%	0.99%	1.53%	3.29%	0.07%	0.17%	6.3%	6.2%	6.1%
13-Dec-07	1680	17.5	26.6	1770	58.3	2.8	1.21	1780	1.04%	1.58%	3.47%	0.07%	0.17%	0.99%	1.50%	3.29%	0.07%	0.16%	0.98%	1.49%	3.28%	0.07%	0.16%	6.3%	6.0%	6.0%
14-Dec-07	1690	17.3	25.0	1780	58.1	2.7	1.19	1790	1.02%	1.48%	3.44%	0.07%	0.16%	0.97%	1.40%	3.26%	0.07%	0.15%	0.97%	1.40%	3.25%	0.07%	0.15%	6.2%	5.9%	5.8%
15-Dec-07	1620	17.2	24.0	1790	57.3	2.6	1.17	1860	1.06%	1.48%	3.54%	0.07%	0.16%	0.96%	1.34%	3.20%	0.07%	0.14%	0.92%	1.29%	3.08%	0.06%	0.14%	6.3%	5.7%	5.5%
16-Dec-07	1680	17.2	22.8	1720	56.7	2.4	1.16	1740	1.02%	1.36%	3.38%	0.07%	0.15%	1.00%	1.33%	3.30%	0.07%	0.14%	0.99%	1.31%	3.26%	0.07%	0.14%	6.0%	5.8%	5.8%
17-Dec-07	1640	16.8	22.3	1740	56.0	2.3	1.14	1770	1.02%	1.36%	3.41%	0.07%	0.14%	0.97%	1.28%	3.22%	0.07%	0.13%	0.95%	1.26%	3.16%	0.06%	0.13%	6.0%	5.7%	5.6%
18-Dec-07	1720	16.6	21.3	1740	53.5	2.2	1.13	1760	0.97%	1.24%	3.11%	0.07%	0.13%	0.95%	1.22%	3.07%	0.06%	0.13%	0.94%	1.21%	3.04%	0.06%	0.12%	5.5%	5.4%	5.4%
19-Dec-07	1780	16.4	20.0	1860	52.1	2.1	1.12	1810	0.92%	1.12%	2.93%	0.06%	0.12%	0.88%	1.08%	2.80%	0.06%	0.11%	0.91%	1.10%	2.88%	0.06%	0.11%	5.2%	4.9%	5.1%
20-Dec-07	1820	16.0	18.9	1930	50.7	2.0	1.10	1910	0.88%	1.04%	2.79%	0.06%	0.11%	0.83%	0.98%	2.63%	0.06%	0.10%	0.84%	0.99%	2.65%	0.06%	0.10%	4.9%	4.6%	4.6%
21-Dec-07	1840	15.7	17.9	1960	49.0	1.9	1.08	1910	0.85%	0.97%	2.66%	0.06%	0.10%	0.80%	0.91%	2.50%	0.06%	0.10%	0.82%	0.94%	2.57%	0.06%	0.10%	4.7%	4.4%	4.5%
22-Dec-07	1730	15.6	16.7	1850	47.5	1.8	1.04	1860	0.90%	0.97%	2.75%	0.06%	0.10%	0.84%	0.90%	2.57%	0.06%	0.10%	0.84%	0.90%	2.55%	0.06%	0.10%	4.8%	4.5%	4.4%
23-Dec-07	1770	15.4	15.9	1880	46.8	1.7	1.01	1850	0.87%	0.90%	2.64%	0.06%	0.10%	0.82%	0.85%	2.49%	0.05%	0.09%	0.83%	0.86%	2.53%	0.05%	0.09%	4.6%	4.3%	4.4%
24-Dec-07	1810	15.6	16.0	1880	46.4	1.7	1.01	1850	0.86%	0.88%	2.56%	0.06%	0.09%	0.83%	0.85%	2.47%	0.05%	0.09%	0.84%	0.86%	2.51%	0.05%	0.09%	4.5%	4.3%	4.4%
25-Dec-07	1710	16.1	15.4	1810	46.0	1.6	0.99	1830	0.94%	0.90%	2.69%	0.06%	0.09%	0.89%	0.85%	2.54%	0.05%	0.09%	0.88%	0.84%	2.51%	0.05%	0.09%	4.7%	4.4%	4.4%
26-Dec-07	1730	16.3	15.2	1830	45.7	1.6	0.98	1830	0.94%	0.88%	2.64%	0.06%	0.09%	0.89%	0.83%	2.50%	0.05%	0.09%	0.89%	0.83%	2.50%	0.05%	0.09%	4.6%	4.4%	4.4%
27-Dec-07	1860	16.4	14.0	1860	45.4	1.5	0.98	1840	0.88%	0.75%	2.44%	0.05%	0.08%	0.88%	0.75%	2.44%	0.05%	0.08%	0.89%	0.76%	2.47%	0.05%	0.08%	4.2%	4.2%	4.3%
28-Dec-07	1800	16.5	13.2	1940	45.0	1.5	0.96	1920	0.92%	0.73%	2.50%	0.05%	0.08%	0.85%	0.68%	2.32%	0.05%	0.08%	0.86%	0.69%	2.34%	0.05%	0.08%	4.3%	4.0%	4.0%
29-Dec-07	1840	16.4	12.3	1970	43.8	1.5	0.96	1920	0.89%	0.67%	2.38%	0.05%	0.08%	0.83%	0.62%	2.22%	0.05%	0.08%	0.85%	0.64%	2.28%	0.05%	0.08%	4.1%	3.8%	3.9%
30-Dec-07	1860	16.3	11.9	1990	41.7	1.5	0.95	1930	0.88%	0.64%	2.24%	0.05%	0.08%	0.82%	0.60%	2.10%	0.05%	0.07%	0.84%	0.62%	2.16%	0.05%	0.08%	3.9%	3.6%	3.7%
31-Dec-07	1850	16.1	11.4	1980		1.4	0.93	1950	0.87%	0.62%	0.00%	0.05%	0.08%	0.81%	0.58%	0.00%	0.05%	0.07%	0.83%	0.58%	0.00%	0.05%	0.07%	1.6%	1.5%	1.5%
MAD	**1268**	**74.2**	**23.2**	**1359**	**237.6**	**65.8**	**11.0**	**1724**	**5.9%**	**1.8%**	**18.7%**	**0.9%**	**5.2%**	**5.5%**	**1.7%**	**17.5%**	**0.8%**	**4.8%**	**4.3%**	**1.35%**	**13.8%**	**3.8%**	**3.8%**	32.5%	30.3%	23.9%
Jan	1491	8.8	5.8	1503	22.1	1.5	0.8	1658	0.6%	0.4%	1.5%	0.1%	0.1%	0.59%	0.38%	1.47%	0.05%	0.10%	0.5%	0.35%	1.3%	0.0%	0.1%	2.6%	2.6%	2.3%
Feb	1636	8.3		1662	20.9	1.2	0.7	1841	0.5%	0.0%	1.3%	0.0%	0.1%	0.50%	0.00%	1.25%	0.04%	0.07%	0.5%	0.00%	1.1%	0.0%	0.1%	1.9%	1.9%	1.7%
Mar	1271	7.3	20.5	1253	26.0	0.9	0.8	1422	0.6%	1.6%	2.0%	0.1%	0.1%	0.59%	1.64%	2.07%	0.06%	0.08%	0.5%	1.44%	1.8%	0.1%	0.1%	4.4%	4.4%	3.9%
Apr	1057	25.8	19.7	1059	112.4	104.7	22.2	1437	2.4%	1.9%	10.6%	**2.1%**	9.9%	2.44%	**1.86%**	10.62%	**2.09%**	**9.89%**	1.8%	1.37%	7.8%	**1.5%**	7.3%	**27.0%**	**26.9%**	**19.8%**
May	980	137.1	40.4	1159	649.9	296.8	71.7	2143	**14.0%**	**4.1%**	**66.3%**	**7.3%**	**30.3%**	**11.83%**	**3.49%**	**56.09%**	**6.19%**	**25.61%**	6.4%	1.89%	**30.3%**	**3.3%**	13.8%	**122.1%**	**103.2%**	**55.8%**
June	801	364.6	75.0	1231	997.3	86.2	8.8	2267	**45.5%**	**9.4%**	**124.4%**	1.1%	**10.8%**	**29.62%**	**6.09%**	**81.02%**	**0.72%**	**7.00%**	16.1%	3.31%	**44.0%**	0.4%	3.8%	**191.2%**	**124.5%**	**67.6%**
July	1152	122.0	22.0	1307	311.7	124.1	4.5	1787	**10.6%**	**1.9%**	**27.0%**	0.4%	**10.8%**	**9.34%**	1.69%	**23.85%**	0.34%	9.50%	6.8%	1.23%	**17.4%**	0.2%	6.9%	50.7%	44.7%	32.7%
Aug	1150	76.1	10.9	1228	158.4	69.1	9.7	1533	6.6%	0.9%	13.8%	0.8%	6.0%	6.19%	0.89%	12.89%	0.79%	5.62%	5.0%	0.71%	**10.3%**	0.6%	4.5%	28.2%	26.4%	21.1%
Sept	1123	61.8	8.4	1182	119.6	57.0	3.7	1444	5.5%	0.7%	10.7%	0.3%	5.1%	5.23%	0.71%	10.12%	0.31%	4.83%	4.3%	0.58%	8.3%	0.3%	3.9%	22.3%	21.2%	17.3%
Oct	1250	38.0	6.7	1281	242.4	27.2	3.9	1602	3.0%	0.5%	19.4%	0.3%	2.2%	2.97%	0.52%	18.92%	0.30%	2.12%	2.4%	0.42%	15.1%	0.2%	1.7%	25.4%	24.8%	19.9%
Nov	1432	26.3	9.5	1496	155.9	14.3	3.5	1667	1.8%	0.7%	10.9%	0.2%	1.0%	1.76%	0.64%	10.42%	0.23%	0.96%	1.6%	0.57%	9.4%	0.2%	0.9%	14.6%	14.0%	12.6%
Dec	1749	16.9	24.3	1829	54.6	2.8	1.2	1830	1.0%	1.4%	3.1%	0.1%	0.2%	0.92%	1.33%	2.99%	0.07%	0.15%	0.9%	1.33%	3.0%	0.1%	0.2%	5.7%	5.5%	5.5%

Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
1-Jan-08	1790	16.1	2.07	1900	39.6	1.41	0.905	1970	0.90%	0.12%	2.21%	0.05%	0.08%	0.85%	0.11%	2.08%	0.05%	0.07%	0.82%	0.11%	2.01%	0.05%	0.07%	3.4%	3.2%	3.1%
2-Jan-08	1840	16	2.06	1940	39.5	1.38	0.894	1990	0.87%	0.11%	2.15%	0.05%	0.08%	0.82%	0.11%	2.04%	0.05%	0.07%	0.80%	0.10%	1.98%	0.04%	0.07%	3.3%	3.1%	3.0%
3-Jan-08	1860	16	2.05	1960	39.3	1.35	0.875	2000	0.86%	0.11%	2.11%	0.05%	0.07%	0.82%	0.10%	2.01%	0.04%	0.07%	0.80%	0.10%	1.97%	0.04%	0.07%	3.2%	3.0%	3.0%
4-Jan-08	1820	15.8	2.05	1970	39.2	1.29	0.864	1990	0.87%	0.11%	2.15%	0.05%	0.07%	0.80%	0.10%	1.99%	0.04%	0.07%	0.79%	0.10%	1.97%	0.04%	0.06%	3.3%	3.0%	3.0%
5-Jan-08	1860	15.7	2.04	1920	39.2	1.26	0.848	1980	0.84%	0.11%	2.11%	0.05%	0.07%	0.82%	0.11%	2.04%	0.04%	0.07%	0.79%	0.10%	1.98%	0.04%	0.06%	3.2%	3.1%	3.0%
6-Jan-08	1350	15.7	2.03	1660	39.1	1.22	0.832	1970	1.16%	0.15%	2.90%	0.06%	0.09%	0.95%	0.12%	2.36%	0.05%	0.07%	0.80%	0.10%	1.98%	0.04%	0.06%	4.4%	3.5%	3.0%
7-Jan-08	1310	15.7	2.03	1500	39	1.19	0.828	1790	1.20%	0.15%	2.98%	0.06%	0.09%	1.05%	0.14%	2.60%	0.06%	0.08%	0.88%	0.11%	2.18%	0.05%	0.07%	4.5%	3.9%	3.3%
8-Jan-08	1320	15.8	2.02	1540	38.9	1.17	0.827	1610	1.20%	0.15%	2.95%	0.06%	0.09%	1.03%	0.13%	2.53%	0.05%	0.08%	0.98%	0.13%	2.42%	0.05%	0.07%	4.4%	3.8%	3.6%
9-Jan-08	1320	15.8	2.02	1670	38.7	1.17	0.828	1660	1.20%	0.15%	2.93%	0.06%	0.09%	0.95%	0.12%	2.32%	0.05%	0.07%	0.95%	0.12%	2.33%	0.05%	0.07%	4.4%	3.5%	3.5%
10-Jan-08	1320	15.9	2	1670	38.5	1.16	0.829	1730	1.20%	0.15%	2.92%	0.06%	0.09%	0.95%	0.12%	2.31%	0.05%	0.07%	0.92%	0.12%	2.23%	0.05%	0.07%	4.4%	3.5%	3.4%
11-Jan-08	1320	15.8	2	1480	38.3	1.17	0.831	1630	1.20%	0.15%	2.90%	0.06%	0.09%	1.07%	0.14%	2.59%	0.06%	0.08%	0.97%	0.12%	2.35%	0.05%	0.07%	4.4%	3.9%	3.6%
12-Jan-08	1320	15.7	1.99	1440	38.3	1.17	0.83	1540	1.19%	0.15%	2.90%	0.06%	0.09%	1.09%	0.14%	2.66%	0.06%	0.08%	1.02%	0.13%	2.49%	0.05%	0.08%	4.4%	4.0%	3.8%
13-Jan-08	1320	15.7	1.99	1450	38.2	1.17	0.825	1540	1.19%	0.15%	2.89%	0.06%	0.09%	1.08%	0.14%	2.63%	0.06%	0.08%	1.02%	0.13%	2.48%	0.05%	0.08%	4.4%	4.0%	3.8%
14-Jan-08	1320	15.6	1.98	1440	38.2	1.17	0.81	1540	1.18%	0.15%	2.89%	0.06%	0.09%	1.08%	0.14%	2.65%	0.06%	0.08%	1.01%	0.13%	2.48%	0.05%	0.08%	4.4%	4.0%	3.8%
15-Jan-08	1320	15.6	1.98	1430	38.2	1.17	0.8	1530	1.18%	0.15%	2.89%	0.06%	0.09%	1.09%	0.14%	2.67%	0.06%	0.08%	1.02%	0.13%	2.50%	0.05%	0.08%	4.4%	4.0%	3.8%
16-Jan-08	1320	15.5	1.97	1440	38.1	1.16	0.792	1540	1.17%	0.15%	2.89%	0.06%	0.09%	1.08%	0.14%	2.65%	0.06%	0.08%	1.01%	0.13%	2.47%	0.05%	0.08%	4.4%	4.0%	3.7%
17-Jan-08	1320	15.4	1.97	1450	38.1	1.15	0.782	1530	1.17%	0.15%	2.89%	0.06%	0.09%	1.06%	0.14%	2.63%	0.05%	0.08%	1.01%	0.13%	2.49%	0.05%	0.08%	4.3%	4.0%	3.8%
18-Jan-08	1320	15.3	1.97	1520	37.9	1.14	0.769	1530	1.16%	0.15%	2.87%	0.06%	0.09%	1.01%	0.13%	2.49%	0.05%	0.08%	1.00%	0.13%	2.48%	0.05%	0.07%	4.3%	3.8%	3.7%
19-Jan-08	1320	15.2	1.97	1510	37.8	1.13	0.76	1540	1.15%	0.15%	2.86%	0.06%	0.09%	1.01%	0.13%	2.50%	0.05%	0.07%	0.99%	0.13%	2.45%	0.05%	0.07%	4.3%	3.8%	3.7%
20-Jan-08	1320	15.1	1.97	1430	37.6	1.12	0.758	1540	1.14%	0.15%	2.85%	0.06%	0.08%	1.06%	0.14%	2.63%	0.05%	0.08%	0.98%	0.13%	2.44%	0.05%	0.07%	4.3%	4.0%	3.7%
21-Jan-08	1320	15	1.96	1440	37.6	1.11	0.755	1540	1.14%	0.15%	2.85%	0.06%	0.08%	1.04%	0.14%	2.61%	0.05%	0.08%	0.97%	0.13%	2.44%	0.05%	0.07%	4.3%	3.9%	3.7%
22-Jan-08	1320	14.9	1.95	1440	37.6	1.1	0.75	1540	1.13%	0.15%	2.85%	0.06%	0.08%	1.03%	0.14%	2.61%	0.05%	0.08%	0.97%	0.13%	2.44%	0.05%	0.07%	4.3%	3.9%	3.7%
23-Jan-08	1340	14.8	1.94	1460	37.6	1.09	0.748	1550	1.10%	0.14%	2.81%	0.06%	0.08%	1.01%	0.13%	2.58%	0.05%	0.07%	0.95%	0.13%	2.43%	0.05%	0.07%	4.2%	3.8%	3.6%
24-Jan-08	1320	14.7	1.94	1450	37.6	1.08	0.747	1540	1.11%	0.15%	2.85%	0.06%	0.08%	1.01%	0.13%	2.59%	0.05%	0.07%	0.95%	0.13%	2.44%	0.05%	0.07%	4.2%	3.9%	3.6%
25-Jan-08	1320	14.6	1.93	1420	37.2	1.07	0.747	1530	1.11%	0.15%	2.82%	0.06%	0.08%	1.03%	0.14%	2.62%	0.05%	0.08%	0.95%	0.13%	2.43%	0.05%	0.07%	4.2%	3.9%	3.6%
26-Jan-08	1310	14.4	1.92	1390	36.2	1.06	0.746	1520	1.10%		2.76%	0.06%	0.08%	1.04%	0.14%	2.60%	0.05%	0.08%	0.95%		2.38%	0.05%	0.07%	4.1%	3.9%	3.6%
27-Jan-08	1500	14.3	1.89	1550	34.8	1.05	0.745	1710	0.95%		2.32%	0.05%	0.07%	0.92%	0.12%	2.25%	0.05%	0.07%	0.84%		2.04%	0.04%	0.06%	3.5%	3.4%	3.1%
28-Jan-08	1650	14	1.83	1510	33.8	1.04	0.744	1750	0.85%		2.05%	0.05%	0.06%	0.93%	0.12%	2.24%	0.05%	0.07%	0.80%		1.93%	0.04%	0.06%	3.1%	3.4%	2.9%
29-Jan-08	1820	13.7	1.81	1640	32.6	1.03	0.742	1890	0.75%		1.79%	0.04%	0.06%	0.84%	0.11%	1.99%	0.05%	0.06%	0.72%		1.72%	0.04%	0.05%	2.7%	3.0%	2.6%
30-Jan-08	1410	13.6	1.79	1300	31.7	1.02	0.737	1710	0.96%		2.25%	0.05%	0.07%	1.05%	0.14%	2.44%	0.06%	0.08%	0.80%		1.85%	0.04%	0.06%	3.5%	3.8%	2.9%
31-Jan-08	1380	13.5	1.77	1210	31.3	1.01	0.73	1520	0.98%		2.27%	0.05%	0.07%	1.12%	0.15%	2.59%	0.06%	0.08%	0.89%		2.06%	0.05%	0.07%	3.5%	4.0%	3.2%
1-Feb-08	1530	13.3	1.76	1310	30.8	1	0.725	1530	0.87%		2.01%	0.05%	0.07%	1.02%	0.13%	2.35%	0.06%	0.08%	0.87%		2.01%	0.05%	0.07%	3.1%	3.6%	3.1%
2-Feb-08	1570	12.9	1.75	1570	30.5	0.999	0.724	1690	0.82%		1.94%	0.05%	0.06%	0.82%	0.11%	1.94%	0.05%	0.06%	0.76%		1.80%	0.04%	0.06%	3.0%	3.0%	2.8%
3-Feb-08	1550	12.6	1.75	1610	30.4	0.998	0.723	1670	0.81%		1.96%	0.05%	0.06%	0.78%	0.11%	1.89%	0.04%	0.06%	0.75%		1.82%	0.04%	0.06%	3.0%	2.9%	2.8%
4-Feb-08	1760	12.3	1.74	1950	30.1	0.997	0.721	1910	0.70%		1.71%	0.04%	0.06%	0.63%	0.09%	1.54%	0.04%	0.05%	0.64%		1.58%	0.04%	0.05%	2.6%	2.4%	2.4%
5-Feb-08	1870	11.9	1.74	2120	29.7	0.996	0.72	2130	0.64%		1.59%	0.04%	0.05%	0.56%	0.08%	1.40%	0.03%	0.05%	0.56%		1.39%	0.03%	0.05%	2.4%	2.1%	2.1%
6-Feb-08	1900	11.7	1.75	2090	29.4	0.995	0.72	2190	0.62%		1.55%	0.04%	0.05%	0.56%	0.08%	1.41%	0.03%	0.05%	0.53%		1.34%	0.03%	0.05%	2.3%	2.1%	2.0%
7-Feb-08	1830	11.5	1.75	1970	28.8	0.994	0.72	2110	0.63%		1.57%	0.04%	0.05%	0.58%	0.09%	1.46%	0.04%	0.05%	0.55%		1.36%	0.03%	0.05%	2.4%	2.2%	2.1%
8-Feb-08	1880	11.3	1.75	1970	28.7	0.993	0.72	2180	0.60%		1.53%	0.04%	0.05%	0.57%	0.09%	1.46%	0.04%	0.05%	0.52%		1.32%	0.03%	0.05%	2.3%	2.2%	2.0%
9-Feb-08	1500	11.2	1.75	1450	28.6	0.992	0.721	1930	0.75%		1.91%	0.05%	0.07%	0.77%	0.12%	1.97%	0.05%	0.07%	0.58%		1.48%	0.04%	0.05%	2.9%	3.0%	2.2%
10-Feb-08	1450	11	1.75	1410	28.5	0.99	0.722	1710	0.76%		1.97%	0.05%	0.07%	0.78%	0.12%	2.02%	0.05%	0.07%	0.64%		1.67%	0.04%	0.06%	3.0%	3.0%	2.5%
11-Feb-08	1840	10.9	1.75	1930	28.5	0.99	0.723	1960	0.59%		1.55%	0.04%	0.05%	0.56%	0.09%	1.48%	0.04%	0.05%	0.56%		1.45%	0.04%	0.05%	2.3%	2.2%	2.2%
12-Feb-08	1850	10.8	1.75	2080	28.5	0.993	0.724	2000	0.58%		1.54%	0.04%	0.05%	0.52%	0.08%	1.37%	0.03%	0.05%	0.54%		1.43%	0.04%	0.05%	2.3%	2.1%	2.1%
13-Feb-08	1860	10.8	1.75	2000	28.4	0.995	0.725	1970	0.58%		1.53%	0.04%	0.05%	0.54%	0.09%	1.42%	0.04%	0.05%	0.55%		1.44%	0.04%	0.05%	2.3%	2.1%	2.2%
14-Feb-08	1900	10.8	1.75	2050	28.4	1	0.726	1990	0.57%		1.49%	0.04%	0.05%	0.53%	0.09%	1.39%	0.04%	0.05%	0.54%		1.43%	0.04%	0.05%	2.2%	2.1%	2.1%
15-Feb-08	1900	10.8	1.76	2070	28.4	1.03	0.728	2010	0.57%		1.49%	0.04%	0.05%	0.52%	0.09%	1.37%	0.04%	0.05%	0.54%		1.41%	0.04%	0.05%	2.2%	2.1%	2.1%
16-Feb-08	1500	10.7	1.77	1770	28.4	1.04	0.73	1800	0.71%		1.89%	0.05%	0.07%	0.60%	0.10%	1.60%	0.04%	0.06%	0.59%		1.58%	0.04%	0.06%	2.8%	2.4%	2.4%
17-Feb-08	1450	10.7	1.79	1460	28.4	1.04	0.732	1530	0.74%		1.96%	0.05%	0.07%	0.73%	0.12%	1.95%	0.05%	0.07%	0.70%		1.86%	0.05%	0.07%	2.9%	2.9%	2.8%
18-Feb-08	1770	10.7	1.81	1760	28.3	1.04	0.735	1650	0.60%		1.60%	0.04%	0.06%	0.61%	0.10%	1.61%	0.04%	0.06%	0.65%		1.72%	0.04%	0.06%	2.4%	2.4%	2.6%

Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
19-Feb-08	1880	10.7	1.83	2060	28.4	1.04	0.738	1900	0.57%		1.51%	0.04%	0.06%	0.52%	0.09%	1.38%	0.04%	0.05%	0.56%		1.49%	0.04%	0.05%	2.3%	2.1%	2.2%
20-Feb-08	1800	10.7	1.86	1940	28.4	1.03	0.741	1890	0.59%		1.58%	0.04%	0.06%	0.55%	0.10%	1.46%	0.04%	0.05%	0.57%		1.50%	0.04%	0.05%	2.4%	2.2%	2.3%
21-Feb-08	1880	10.7	1.88	2030	28.4	1.02	0.745	1870	0.57%		1.51%	0.04%	0.05%	0.53%	0.09%	1.40%	0.04%	0.05%	0.57%		1.52%	0.04%	0.05%	2.3%	2.1%	2.3%
22-Feb-08	1920	10.7	1.9	2080	28.4	1.02	0.748	1940	0.56%		1.48%	0.04%	0.05%	0.51%	0.09%	1.37%	0.04%	0.05%	0.55%		1.46%	0.04%	0.05%	2.2%	2.1%	2.2%
23-Feb-08	1500	10.7	1.94	1740	28.4	1.02	0.75	1800	0.71%		1.89%	0.05%	0.07%	0.61%	0.11%	1.63%	0.04%	0.06%	0.59%		1.58%	0.04%	0.06%	2.9%	2.5%	2.4%
24-Feb-08	1480	10.6	1.98	1570	28.4	1.01	0.751	1580	0.72%		1.92%	0.05%	0.07%	0.68%	0.13%	1.81%	0.05%	0.06%	0.67%		1.80%	0.05%	0.06%	2.9%	2.7%	2.7%
25-Feb-08	1700	10.6	2.02	1630	28.3	1.01	0.752	1560	0.62%		1.66%	0.04%	0.06%	0.65%	0.12%	1.74%	0.05%	0.06%	0.68%		1.81%	0.05%	0.06%	2.5%	2.6%	2.7%
26-Feb-08	1850	10.6	2.07	2010	28.3	1	0.751	1880	0.57%		1.53%	0.04%	0.05%	0.53%	0.10%	1.41%	0.04%	0.05%	0.56%		1.51%	0.04%	0.05%	2.3%	2.1%	2.3%
27-Feb-08	1850	10.5	2.11	2010	28.2	1.01	0.75	1870	0.57%		1.52%	0.04%	0.05%	0.52%	0.10%	1.40%	0.04%	0.05%	0.56%		1.51%	0.04%	0.05%	2.3%	2.1%	2.3%
28-Feb-08	1850	10.3	2.14	2000	28	1	0.75	1880	0.56%		1.51%	0.04%	0.05%	0.52%	0.11%	1.40%	0.04%	0.05%	0.55%		1.49%	0.04%	0.05%	2.3%	2.1%	2.2%
29-Feb-08	1810	10.2	2.16	1950	28	1	0.75	1840	0.56%		1.55%	0.04%	0.06%	0.52%	0.11%	1.44%	0.04%	0.05%	0.55%		1.52%	0.04%	0.05%	2.3%	2.2%	2.3%
1-Mar-08	1580	9.86	2.19	1810	28.1	1	0.749	1830	0.62%		1.78%	0.05%	0.06%	0.54%	0.12%	1.55%	0.04%	0.06%	0.54%		1.54%	0.04%	0.05%	2.7%	2.3%	2.3%
2-Mar-08	1660	9.72	2.21	1720	28.1	0.998	0.749	1650	0.59%		1.69%	0.05%	0.06%	0.57%	0.13%	1.63%	0.04%	0.06%	0.59%		1.70%	0.05%	0.06%	2.5%	2.4%	2.5%
3-Mar-08	1670	9.55	2.24	1720	28	0.997	0.749	1750	0.57%		1.68%	0.04%	0.06%	0.56%	0.13%	1.63%	0.04%	0.06%	0.55%		1.60%	0.04%	0.06%	2.5%	2.4%	2.4%
4-Mar-08	1710	9.44	2.26	1860	27.8	0.995	0.749	1780	0.55%		1.63%	0.04%	0.06%	0.51%	0.12%	1.49%	0.04%	0.05%	0.53%		1.56%	0.04%	0.06%	2.4%	2.2%	2.3%
5-Mar-08	1780	9.4	2.28	1870	27.7	0.993	0.749	1760	0.53%		1.56%	0.04%	0.06%	0.50%	0.12%	1.48%	0.04%	0.05%	0.53%		1.57%	0.04%	0.06%	2.3%	2.2%	2.3%
6-Mar-08	1680	9.42	2.3	1820	27.7	0.992	0.75	1790	0.56%		1.65%	0.04%	0.06%	0.52%	0.13%	1.52%	0.04%	0.05%	0.53%		1.55%	0.04%	0.06%	2.5%	2.3%	2.3%
7-Mar-08	1700	9.5	2.32	1820	27.6	0.995	0.751	1740	0.56%		1.62%	0.04%	0.06%	0.52%	0.13%	1.52%	0.04%	0.05%	0.55%		1.59%	0.04%	0.06%	2.4%	2.3%	2.4%
8-Mar-08	1670	9.58	2.34	1800	27.7	0.999	0.753	1740	0.57%		1.66%	0.05%	0.06%	0.53%	0.13%	1.54%	0.04%	0.06%	0.55%		1.59%	0.04%	0.06%	2.5%	2.3%	2.4%
9-Mar-08	1710	9.6	2.36	1800	27.6	1	0.755	1720	0.56%		1.61%	0.04%	0.06%	0.53%	0.13%	1.53%	0.04%	0.06%	0.56%		1.60%	0.04%	0.06%	2.4%	2.3%	2.4%
10-Mar-08	1740	9.7	2.38	1850	27.6	0.998	0.758	1750	0.56%		1.59%	0.04%	0.06%	0.52%	0.13%	1.49%	0.04%	0.05%	0.55%		1.58%	0.04%	0.06%	2.4%	2.2%	2.4%
11-Mar-08	1650	9.8	2.4	1780	27.4	0.995	0.76	1750	0.59%		1.66%	0.05%	0.06%	0.55%	0.13%	1.54%	0.04%	0.06%	0.56%		1.57%	0.04%	0.06%	2.5%	2.3%	2.4%
12-Mar-08	1700	9.82	2.41	1840	27.2	0.993	0.763	1750	0.58%		1.60%	0.04%	0.06%	0.53%	0.13%	1.48%	0.04%	0.05%	0.56%		1.55%	0.04%	0.06%	2.4%	2.2%	2.4%
13-Mar-08	1750	9.8	2.42	1850	27.1	0.99	0.766	1760	0.56%		1.55%	0.04%	0.06%	0.53%	0.13%	1.46%	0.04%	0.05%	0.56%		1.54%	0.04%	0.06%	2.3%	2.2%	2.3%
14-Mar-08	1800	9.78	2.42	1870	27	0.998	0.77	1780	0.54%		1.50%	0.04%	0.06%	0.52%	0.13%	1.44%	0.04%	0.05%	0.55%		1.52%	0.04%	0.06%	2.3%	2.2%	2.3%
15-Mar-08	1400	9.76	2.44	1700	26.8	0.997	0.775	1840	0.70%		1.91%	0.06%	0.07%	0.57%	0.14%	1.58%	0.05%	0.06%	0.53%		1.46%	0.04%	0.05%	2.9%	2.4%	2.2%
16-Mar-08	1440	9.74	2.45	1480	26.8	0.995	0.78	1510	0.68%		1.86%	0.05%	0.07%	0.66%	0.17%	1.81%	0.05%	0.07%	0.65%		1.77%	0.05%	0.07%	2.8%	2.8%	2.7%
17-Mar-08	1690	9.64	2.46	1680	26.8	0.992	0.782	1520	0.57%		1.59%	0.05%	0.06%	0.57%	0.15%	1.60%	0.05%	0.06%	0.63%		1.76%	0.05%	0.07%	2.4%	2.4%	2.7%
18-Mar-08	1660	9.52	2.47	1810	26.8	0.994	0.782	1730	0.57%		1.61%	0.05%	0.06%	0.53%	0.14%	1.48%	0.04%	0.05%	0.55%		1.55%	0.05%	0.06%	2.4%	2.2%	2.3%
19-Mar-08	1530	9.45	2.48	1540	26.7	0.996	0.783	1620	0.62%		1.75%	0.05%	0.07%	0.61%	0.16%	1.73%	0.05%	0.06%	0.58%		1.65%	0.05%	0.06%	2.6%	2.6%	2.5%
20-Mar-08	1670	9.4	2.48	1780	26.6	0.998	0.783	1630	0.56%		1.59%	0.05%	0.06%	0.53%	0.14%	1.49%	0.04%	0.06%	0.58%		1.63%	0.05%	0.06%	2.4%	2.3%	2.5%
21-Mar-08	1720	9.34	2.47	1830	26.5	1	0.784	1730	0.54%		1.54%	0.05%	0.06%	0.51%	0.13%	1.45%	0.04%	0.05%	0.54%		1.53%	0.05%	0.06%	2.3%	2.2%	2.3%
22-Mar-08	1710	9.32	2.47	1850	26.3	1.01	0.785	1770	0.55%	0.14%	1.54%	0.05%	0.06%	0.50%	0.13%	1.42%	0.04%	0.05%	0.53%	0.14%	1.49%	0.04%	0.06%	2.3%	2.2%	2.3%
23-Mar-08	1670	9.3	2.48	1770	26.2	1.02	0.786	1730	0.56%	0.15%	1.57%	0.05%	0.06%	0.53%	0.14%	1.48%	0.04%	0.06%	0.54%	0.14%	1.51%	0.05%	0.06%	2.4%	2.2%	2.3%
24-Mar-08	1680	9.3	2.48	1820	26.2	1.03	0.787	1730	0.55%	0.15%	1.56%	0.05%	0.06%	0.51%	0.14%	1.44%	0.04%	0.06%	0.54%	0.14%	1.51%	0.05%	0.06%	2.4%	2.2%	2.3%
25-Mar-08	1670	9.3	2.49	1790	26.2	1.03	0.788	1740	0.56%	0.15%	1.57%	0.05%	0.06%	0.52%	0.14%	1.46%	0.04%	0.06%	0.53%	0.14%	1.51%	0.05%	0.06%	2.4%	2.2%	2.3%
26-Mar-08	1740	9.3	2.49	1790	26.1	1.04	0.795	1720	0.53%	0.14%	1.50%	0.05%	0.06%	0.52%	0.14%	1.46%	0.04%	0.06%	0.54%	0.14%	1.52%	0.05%	0.06%	2.3%	2.2%	2.3%
27-Mar-08	1580	9.32	2.5	1760	26	1.04	0.8	1770	0.59%	0.16%	1.65%	0.05%	0.07%	0.53%	0.14%	1.48%	0.05%	0.06%	0.53%	0.14%	1.47%	0.05%	0.06%	2.5%	2.3%	2.2%
28-Mar-08	1750	9.32	2.51	1770	25.9	1.04	0.81	1650	0.53%	0.14%	1.48%	0.05%	0.06%	0.53%	0.14%	1.46%	0.05%	0.06%	0.56%	0.15%	1.57%	0.05%	0.06%	2.3%	2.2%	2.4%
29-Mar-08	1630	9.32	2.51	1750	25.9	1.08	0.82	1720	0.57%	0.15%	1.59%	0.05%	0.07%	0.53%	0.14%	1.48%	0.05%	0.06%	0.54%	0.15%	1.51%	0.05%	0.06%	2.4%	2.3%	2.3%
30-Mar-08	1690	9.33	2.52	1820	25.8	1.1	0.83	1740	0.55%	0.15%	1.53%	0.05%	0.07%	0.51%	0.14%	1.42%	0.05%	0.06%	0.54%	0.14%	1.48%	0.05%	0.06%	2.3%	2.2%	2.3%
31-Mar-08	1750	9.33	2.52	1860	25.8	1.12	0.85	1760	0.53%	0.14%	1.47%	0.05%	0.06%	0.50%	0.14%	1.39%	0.05%	0.06%	0.53%	0.14%	1.47%	0.05%	0.06%	2.3%	2.1%	2.3%
1-Apr-08	1780	9.34	2.52	1880	25.8	1.17	0.9	1770	0.52%	0.14%	1.45%	0.05%	0.07%	0.50%	0.13%	1.37%	0.05%	0.06%	0.53%	0.14%	1.46%	0.05%	0.07%	2.2%	2.1%	2.2%
2-Apr-08	1600	9.35	2.51	1760	25.8	1.21	0.92	1780	0.58%	0.16%	1.61%	0.06%	0.08%	0.53%	0.14%	1.47%	0.05%	0.07%	0.53%	0.14%	1.45%	0.05%	0.07%	2.5%	2.3%	2.2%
3-Apr-08	1690	9.38	2.52	1800	25.8	1.22	1	1650	0.56%	0.15%	1.53%	0.06%	0.07%	0.52%	0.14%	1.43%	0.06%	0.07%	0.57%	0.15%	1.56%	0.06%	0.07%	2.4%	2.2%	2.4%
4-Apr-08	1670	9.41	2.51	1740	25.8	1.22	1.04	1710	0.56%	0.15%	1.54%	0.06%	0.07%	0.54%	0.14%	1.48%	0.06%	0.07%	0.55%	0.15%	1.51%	0.06%	0.07%	2.4%	2.3%	2.3%
5-Apr-08	1500	9.44	2.52	1720	25.5	1.22	1.08	1710	0.63%	0.17%	1.70%	0.07%	0.08%	0.55%	0.15%	1.48%	0.06%	0.07%	0.55%	0.15%	1.49%	0.06%	0.07%	2.7%	2.3%	2.3%
6-Apr-08	1470	9.45	2.53	1500	25.4	1.21	1.09	1540	0.64%	0.17%	1.73%	0.07%	0.08%	0.63%	0.17%	1.69%	0.07%	0.08%	0.61%	0.16%	1.65%	0.07%	0.08%	2.7%	2.6%	2.6%
7-Apr-08	1550	9.46	2.54	1640	25.3	1.21	1.1	1620	0.61%	0.16%	1.63%	0.07%	0.08%	0.58%	0.15%	1.54%	0.07%	0.07%	0.58%	0.16%	1.56%	0.07%	0.07%	2.6%	2.4%	2.4%

Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
8-Apr-08	1500	9.47	2.54	1620	25.5	1.21	1.11	1650	0.63%	0.17%	1.70%	0.07%	0.08%	0.58%	0.16%	1.57%	0.07%	0.07%	0.57%	0.15%	1.55%	0.07%	0.07%	2.7%	2.5%	2.4%
9-Apr-08	1540	9.47	2.55	1580	25.7	1.21	1.12	1610	0.61%	0.17%	1.67%	0.07%	0.08%	0.60%	0.16%	1.63%	0.07%	0.08%	0.59%	0.16%	1.60%	0.07%	0.08%	2.6%	2.5%	2.5%
10-Apr-08	1520	9.47	2.56	1600	25.8	1.21	1.13	1620	0.62%	0.17%	1.70%	0.07%	0.08%	0.59%	0.16%	1.61%	0.07%	0.08%	0.58%	0.16%	1.59%	0.07%	0.07%	2.6%	2.5%	2.5%
11-Apr-08	1540	9.46	2.56	1630	26.1	1.2	1.13	1640	0.61%	0.17%	1.69%	0.07%	0.08%	0.58%	0.16%	1.60%	0.07%	0.07%	0.58%	0.16%	1.59%	0.07%	0.07%	2.6%	2.5%	2.5%
12-Apr-08	1490	9.45	2.57	1590	26.5	1.18	1.12	1640	0.63%	0.17%	1.78%	0.08%	0.08%	0.59%	0.16%	1.67%	0.07%	0.07%	0.58%	0.16%	1.62%	0.07%	0.07%	2.7%	2.6%	2.5%
13-Apr-08	1360	9.44	2.57	1440	26.8	1.16	1.11	1630	0.69%	0.19%	1.97%	0.08%	0.09%	0.66%	0.18%	1.86%	0.08%	0.08%	0.58%	0.16%	1.64%	0.07%	0.07%	3.0%	2.9%	2.5%
14-Apr-08	1410	9.43	2.57	1500	27.1	1.15	1.1	1630	0.67%	0.18%	1.92%	0.08%	0.08%	0.63%	0.17%	1.81%	0.07%	0.08%	0.58%	0.16%	1.66%	0.07%	0.07%	2.9%	2.8%	2.5%
15-Apr-08	1440	9.42	2.58	1570	27.5	1.14	1.1	1770	0.65%	0.18%	1.91%	0.08%	0.08%	0.60%	0.16%	1.75%	0.07%	0.07%	0.53%	0.15%	1.55%	0.06%	0.06%	2.9%	2.7%	2.4%
16-Apr-08	1520	9.42	2.6	1640	28.5	1.14	1.09	1810	0.62%	0.17%	1.88%	0.07%	0.08%	0.57%	0.16%	1.74%	0.07%	0.07%	0.52%	0.14%	1.57%	0.06%	0.06%	2.8%	2.6%	2.4%
17-Apr-08	1430	9.41	2.61	1610	29.5	1.14	1.08	1910	0.66%	0.18%	2.06%	0.08%	0.08%	0.58%	0.16%	1.83%	0.07%	0.07%	0.49%	0.14%	1.54%	0.06%	0.06%	3.1%	2.7%	2.3%
18-Apr-08	1480	9.41	2.62	1490	30.7	1.13	1.09	1720	0.64%	0.18%	2.07%	0.07%	0.08%	0.63%	0.18%	2.06%	0.07%	0.08%	0.55%	0.15%	1.78%	0.06%	0.07%	3.0%	3.0%	2.6%
19-Apr-08	1450	9.42	2.63	1520	31.9	1.14	1.1	1670	0.65%	0.18%	2.20%	0.08%	0.08%	0.62%	0.17%	2.10%	0.07%	0.08%	0.56%	0.16%	1.91%	0.07%	0.07%	3.2%	3.0%	2.8%
20-Apr-08	1450	9.55	2.64	1540	33.7	1.17	1.12	1640	0.66%	0.18%	2.32%	0.08%	0.08%	0.62%	0.17%	2.19%	0.07%	0.08%	0.58%	0.16%	2.05%	0.07%	0.07%	3.3%	3.1%	2.9%
21-Apr-08	1520	9.85	2.65	1620	36.1	1.19	1.15	1660	0.65%	0.17%	2.38%	0.08%	0.08%	0.61%	0.16%	2.23%	0.07%	0.07%	0.59%	0.16%	2.17%	0.07%	0.07%	3.4%	3.1%	3.1%
22-Apr-08	1520	11	2.66	1610	39.6	1.25	1.17	1660	0.72%	0.18%	2.61%	0.08%	0.08%	0.68%	0.17%	2.46%	0.07%	0.08%	0.66%	0.16%	2.39%	0.07%	0.08%	3.7%	3.5%	3.4%
23-Apr-08	1490	14	2.69	1570	42.1	1.6	1.2	1630	0.94%	0.18%	2.83%	0.08%	0.11%	0.89%	0.17%	2.68%	0.08%	0.10%	0.86%	0.17%	2.58%	0.07%	0.10%	4.1%	3.9%	3.8%
24-Apr-08	1430	18	2.71	1490	44.7	2.02	1.4	1590	1.26%	0.19%	3.13%	0.10%	0.14%	1.21%	0.18%	3.00%	0.09%	0.14%	1.13%	0.17%	2.81%	0.09%	0.13%	4.8%	4.6%	4.3%
25-Apr-08	1460	23	2.78	1520	48.8	2.65	1.72	1580	1.58%	0.19%	3.34%	0.12%	0.18%	1.51%	0.18%	3.21%	0.11%	0.17%	1.46%	0.18%	3.09%	0.11%	0.17%	5.4%	5.2%	5.0%
26-Apr-08	1500	23	2.85	1580	56.4	5.1	2.1	1610	1.53%	0.19%	3.76%	0.14%	0.34%	1.46%	0.18%	3.57%	0.13%	0.32%	1.43%	0.18%	3.50%	0.13%	0.32%	6.0%	5.7%	5.6%
27-Apr-08	1390	24.4	3.05	1450	60.2	9.02	2.62	1580	1.76%	0.22%	4.33%	0.19%	0.65%	1.68%	0.21%	4.15%	0.18%	0.62%	1.54%	0.19%	3.81%	0.17%	0.57%	7.1%	6.8%	6.3%
28-Apr-08	1390	27.7	3.29	1480	67.2	102	3.45	1620	1.99%	0.24%	4.83%	0.25%	7.34%	1.87%	0.22%	4.54%	0.23%	6.89%	1.71%	0.20%	4.15%	0.21%	6.30%	14.7%	13.8%	12.6%
29-Apr-08	1390	37.4	3.6	1490	86.6	125	4.47	1660	2.69%	0.26%	6.23%	0.32%	8.99%	2.51%	0.24%	5.81%	0.30%	8.39%	2.25%	0.22%	5.22%	0.27%	7.53%	18.5%	17.3%	15.5%
30-Apr-08	1490	93.5	5.28	1630	131	167	8.17	1780	6.28%	0.35%	8.79%	0.55%	11.21%	5.74%	0.32%	8.04%	0.50%	10.25%	5.25%	0.30%	7.36%	0.46%	9.38%	27.2%	24.8%	22.8%
1-May-08	1520	181	8.6	1830	173	419	22.9	2240	11.91%	0.57%	11.38%	1.51%	27.57%	9.89%	0.47%	9.45%	1.25%	22.90%	8.08%	0.38%	7.72%	1.02%	18.71%	52.9%	44.0%	35.9%
2-May-08	1510	173	10.6	1870	179	495	39	2450	11.46%	0.70%	11.85%	2.58%	32.78%	9.25%	0.57%	9.57%	2.09%	26.47%	7.06%	0.43%	7.31%	1.59%	20.20%	59.4%	47.9%	36.6%
3-May-08	1440	188	12	1800	186	448	40	2340	13.06%	0.83%	12.92%	2.78%	31.11%	10.44%	0.67%	10.33%	2.22%	24.89%	8.03%	0.51%	7.95%	1.71%	19.15%	60.7%	48.6%	37.4%
4-May-08	994	198	13.6	1510	216	487	42	2260	19.92%	1.37%	21.73%	4.23%	48.99%	13.11%	0.90%	14.30%	2.78%	32.25%	8.76%	0.60%	9.56%	1.86%	21.55%	96.2%	63.4%	42.3%
5-May-08	1280	174	14.5	1410	246	520	41.7	2070	13.59%	1.13%	19.22%	3.26%	40.63%	12.34%	1.03%	17.45%	2.96%	36.88%	8.41%	0.70%	11.88%	2.01%	25.12%	77.8%	70.7%	48.1%
6-May-08	1240	156	16.3	1490	262	489	40	2240	12.58%	1.31%	21.13%	3.23%	39.44%	10.47%	1.09%	17.58%	2.68%	32.82%	6.96%	0.73%	11.70%	1.79%	21.83%	77.7%	64.7%	43.0%
7-May-08	1100	170	17	1400	296	477	39.5	2120	15.45%	1.55%	26.91%	3.59%	43.36%	12.14%	1.21%	21.14%	2.82%	34.07%	8.02%	0.80%	13.96%	1.86%	22.50%	90.9%	71.4%	47.1%
8-May-08	1090	190	19.1	1390	324	551	35	2290	17.43%	1.75%	29.72%	3.21%	50.55%	13.67%	1.37%	23.31%	2.52%	39.64%	8.30%	0.83%	14.15%	1.53%	24.06%	102.7%	80.5%	48.9%
9-May-08	761	161	21.1	1270	328	568	33.5	2280	21.16%	2.77%	43.10%	4.40%	74.64%	12.68%	1.66%	25.83%	2.64%	44.72%	7.06%	0.93%	14.39%	1.47%	24.91%	146.1%	87.5%	48.8%
10-May-08	614	137	22.4	834	322	492	33.6	1860	22.31%	3.65%	52.44%	5.47%	80.13%	16.43%	2.69%	38.61%	4.03%	58.99%	7.37%	1.20%	17.31%	1.81%	26.45%	164.0%	120.7%	54.1%
11-May-08	539	125	23.2	747	327	412	31.1	1620	23.19%	4.30%	60.67%	5.77%	76.44%	16.73%	3.11%	43.78%	4.16%	55.15%	7.72%	1.43%	20.19%	1.92%	25.43%	170.4%	122.9%	56.7%
12-May-08	934	118	23.9	884	349	359	29.1	1690	12.63%	2.56%	37.37%	3.12%	38.44%	13.35%	2.70%	39.48%	3.29%	40.61%	6.98%	1.41%	20.65%	1.72%	21.24%	94.1%	99.4%	52.0%
13-May-08	910	115	24.9	1130	392	316	28.2	1860	12.64%	2.74%	43.08%	3.10%	34.73%	10.18%	2.20%	34.69%	2.50%	27.96%	6.18%	1.34%	21.08%	1.52%	16.99%	96.3%	77.5%	47.1%
14-May-08	940	116	26.2	1070	462	285	27.8	1800	12.34%	2.79%	49.15%	2.96%	30.32%	10.84%	2.45%	43.18%	2.60%	26.64%	6.44%	1.46%	25.67%	1.54%	15.83%	97.6%	85.7%	50.9%
15-May-08	974	110	28	1100	528	260	26.7	1850	11.29%	2.87%	54.21%	2.74%	26.69%	10.00%	2.55%	48.00%	2.43%	23.64%	5.95%	1.51%	28.54%	1.44%	14.05%	97.8%	86.6%	51.5%
16-May-08	905	121	29.9	1100	935	235	24.5	2010	13.37%	3.30%	103.31%	2.71%	25.97%	11.00%	2.72%	85.00%	2.23%	21.36%	6.02%	1.49%	46.52%	1.22%	11.69%	148.7%	122.3%	66.9%
17-May-08	494	164	33.3	929	1230	213	23.2	2290	33.20%	6.74%	248.99%	4.70%	43.12%	17.65%	3.58%	132.40%	2.50%	22.93%	7.16%	1.45%	53.71%	1.01%	9.30%	336.7%	179.1%	72.6%
18-May-08	413	190	39.3	677	1380	194	22.2	2190	46.00%	9.52%	334.14%	5.38%	46.97%	28.06%	5.81%	203.84%	3.28%	28.66%	8.68%	1.79%	63.01%	1.01%	8.86%	442.0%	269.6%	83.4%
19-May-08	542	212	45.1	685	1440	178	20.5	2310	39.11%	8.32%	265.68%	3.78%	32.84%	30.95%	6.58%	210.22%	2.99%	25.99%	9.18%	1.95%	62.34%	0.89%	7.71%	349.7%	276.7%	82.1%
20-May-08	685	206	50.5	994	1230	164	19	2430	30.07%	7.37%	179.56%	2.77%	23.94%	20.72%	5.08%	123.74%	1.91%	16.50%	8.48%	2.08%	50.62%	0.78%	6.75%	243.7%	168.0%	68.7%
21-May-08	355	229	54.2	843	1190	153	17.1	2280	64.51%	15.27%	335.21%	4.82%	43.10%	27.16%	6.43%	141.16%	2.03%	18.15%	10.04%	2.38%	52.19%	0.75%	6.71%	462.9%	194.9%	72.1%
22-May-08	436	233	56.1	748	1140	164	16.7	1980	53.44%	12.87%	261.47%	3.83%	37.61%	31.15%	7.50%	152.41%	2.23%	21.93%	11.77%	2.83%	57.58%	0.84%	8.28%	369.2%	215.2%	81.3%
23-May-08	347	215	57	658	1100	213	19.6	1960	61.96%	16.43%	317.00%	5.65%	61.38%	32.67%	8.66%	167.17%	2.98%	32.37%	10.97%	2.91%	56.12%	1.00%	10.87%	462.4%	243.9%	81.9%
24-May-08	351	200	59.2	635	1150	239	21.1	1960	56.98%	16.87%	327.64%	6.01%	68.09%	31.50%	9.32%	181.10%	3.32%	37.64%	10.20%	3.02%	58.67%	1.08%	12.19%	475.6%	262.9%	85.2%
25-May-08	344	189	61.9	618	1170	217	23.7	2010	54.94%	17.99%	340.12%	6.89%	63.08%	30.58%	10.02%	189.32%	3.83%	35.11%	9.40%	3.08%	58.21%	1.18%	10.80%	483.0%	268.9%	82.7%
26-May-08	425	183	64.5	626	1070	193	42.7	1950	43.06%	15.18%	251.76%	10.05%	45.41%	29.23%	10.30%	170.93%	6.82%	30.83%	9.38%	3.31%	54.87%	2.19%	9.90%	**365.5%**	**248.1%**	79.7%

Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
27-May-08	489	192	66.4	728	1060	168	44.3	1880	39.26%	13.58%	216.77%	9.06%	34.36%	26.37%	9.12%	145.60%	6.09%	23.08%	10.21%	3.53%	56.38%	2.36%	8.94%	**313.0%**	**210.3%**	81.4%
28-May-08	369	205	65.1	708	1110	148	37.9	2000	55.56%	17.64%	300.81%	10.27%	40.11%	28.95%	9.19%	156.78%	5.35%	20.90%	10.25%	3.26%	55.50%	1.90%	7.40%	**424.4%**	**221.2%**	78.3%
29-May-08	340	229	66.7	698	1230	133	32.2	1940	67.35%	19.62%	361.76%	9.47%	39.12%	32.81%	9.56%	176.22%	4.61%	19.05%	11.80%	3.44%	63.40%	1.66%	6.86%	**497.3%**	**242.2%**	87.2%
30-May-08	345	262	71.3	695	1280	125	32.2	2060	75.94%	20.67%	371.01%	9.33%	36.23%	37.70%	10.26%	184.17%	4.63%	17.99%	12.72%	3.46%	62.14%	1.56%	6.07%	**513.2%**	**254.7%**	85.9%
31-May-08	339	277	75.5	736	1230	123	34.5	2080	81.71%	22.27%	362.83%	10.18%	36.28%	37.64%	10.26%	167.12%	4.69%	16.71%	13.32%	3.63%	59.13%	1.66%	5.91%	**513.3%**	**236.4%**	83.7%
1-Jun-08	387	269	76.2	741	1120	114	31.7	2000	69.51%	19.69%	289.41%	8.19%	29.46%	36.30%	10.28%	151.1%	4.28%	15.38%	13.45%	3.81%	56.00%	1.59%	5.70%	**416.3%**	**217.4%**	80.5%
2-Jun-08	376	252	74.7	745	1070	105	25.7	1930	67.02%	19.87%	284.57%	6.84%	27.93%	33.83%	10.03%	143.6%	3.45%	14.09%	13.06%	3.87%	55.44%	1.33%	5.44%	**406.2%**	**205.0%**	79.1%
3-Jun-08	336	236	69.9	700	1090	97.2	20.8	1870	70.24%	20.80%	324.40%	6.19%	28.93%	33.71%	9.99%	155.7%	2.97%	13.89%	12.62%	3.74%	**58.29%**	1.11%	5.20%	**450.6%**	**216.3%**	81.0%
4-Jun-08	334	229	68	661	1120	89.7	16.4	1850	68.56%	20.36%	335.33%	4.91%	26.86%	34.64%	10.29%	169.4%	2.48%	13.57%	12.38%	3.68%	**60.54%**	0.89%	4.85%	**456.0%**	**230.4%**	82.3%
5-Jun-08	350	222	66.2	662	1000	82.3	15.1	1800	63.4%	18.9%	285.7%	4.31%	23.51%	33.53%	10.00%	151.1%	2.28%	12.43%	12.33%	3.68%	**55.56%**	0.84%	4.57%	**395.9%**	**209.3%**	77.0%
6-Jun-08	343	210	63.5	634	855	76.4	16.7	1680	61.22%	18.51%	249.27%	4.87%	22.27%	33.12%	10.02%	134.9%	2.63%	12.05%	12.50%	3.78%	**50.89%**	0.99%	4.55%	**356.2%**	**192.7%**	72.7%
7-Jun-08	374	205	60.4	622	738	71.4	15.7	1560	54.81%	16.15%	197.33%	4.20%	19.09%	32.96%	9.71%	118.6%	2.52%	11.48%	13.14%	3.87%	**47.31%**	1.01%	4.58%	**291.6%**	**175.3%**	69.9%
8-Jun-08	338	195	57.1	630	682	68.8	16.6	1500	57.69%	16.89%	201.78%	4.91%	20.36%	30.95%	9.06%	108.3%	2.63%	10.92%	13.00%	3.81%	45.47%	1.11%	4.59%	**301.6%**	**161.8%**	68.0%
9-Jun-08	566	185	53.9	630	619	72.1	14.3	1410	32.69%	9.52%	109.36%	2.53%	12.74%	29.37%	8.56%	98.3%	2.27%	11.44%	13.12%	3.82%	43.90%	1.01%	5.11%	**166.8%**	**149.9%**	67.0%
10-Jun-08	532	171	50.4	855	543	70.1	11.7	1550	32.14%	9.47%	102.07%	2.20%	13.18%	20.00%	5.89%	63.5%	1.37%	8.20%	11.03%	3.25%	35.03%	0.75%	4.52%	**159.1%**	**99.0%**	54.6%
11-Jun-08	353	157	47.9	627	503	65.5	9.48	1390	44.48%	13.57%	142.49%	2.69%	18.56%	25.04%	7.64%	80.2%	1.51%	10.45%	11.29%	3.45%	36.19%	0.68%	4.71%	**221.8%**	**124.9%**	56.3%
12-Jun-08	489	144	44.9	613	496	58.6	9.16	1220	29.45%	9.18%	101.43%	1.87%	11.98%	23.49%	7.32%	80.9%	1.49%	9.56%	11.80%	3.68%	40.66%	0.75%	4.80%	**153.9%**	**122.8%**	61.7%
13-Jun-08	430	138	42.7	652	536	51.5	8.88	1320	32.09%	9.93%	124.65%	2.07%	11.98%	21.17%	6.55%	82.21%	1.36%	7.90%	10.45%	3.23%	40.61%	0.67%	3.90%	**180.7%**	**119.2%**	58.9%
14-Jun-08	342	160	40.3	560	584	46.3	8.29	1300	46.78%	11.78%	170.76%	2.42%	13.54%	28.57%	7.20%	104.29%	1.48%	8.27%	12.31%	3.10%	44.92%	0.64%	3.56%	**245.3%**	**149.8%**	64.5%
15-Jun-08	334	298	38.2	629	539	42.6	7.33	1290	89.22%	11.44%	161.38%	2.19%	12.75%	47.38%	6.07%	85.7%	1.17%	6.77%	23.10%	2.96%	41.78%	0.57%	3.30%	**277.0%**	**147.1%**	71.7%
16-Jun-08	343	289	36.4	678	506	179	6.58	1390	84.26%	10.61%	147.52%	1.92%	52.19%	42.63%	5.37%	74.63%	0.97%	26.40%	20.79%	2.62%	36.40%	0.47%	12.88%	**296.5%**	**150.0%**	73.2%
17-Jun-08	354	261	34.7	657	499	209	6.4	1470	73.73%	9.80%	140.96%	1.81%	59.04%	39.73%	5.28%	75.95%	0.97%	31.81%	17.76%	2.36%	33.95%	0.44%	14.22%	285.3%	153.7%	68.7%
18-Jun-08	443	251	33.2	697	488	143	6.43	1380	56.66%	7.49%	110.16%	1.45%	32.28%	36.01%	4.76%	70.01%	0.92%	20.52%	18.19%	2.41%	35.36%	0.47%	10.36%	208.0%	132.2%	66.8%
19-Jun-08	639	239	32	786	473	129	6.25	1420	37.40%	5.01%	74.02%	0.98%	20.19%	30.41%	4.07%	60.18%	0.80%	16.41%	16.83%	2.25%	33.31%	0.44%	9.08%	137.6%	111.9%	61.9%
20-Jun-08	594	223	30.3	834	448	123	6.1	1540	37.54%	5.10%	75.42%	1.03%	20.71%	26.74%	3.63%	53.72%	0.73%	14.75%	14.48%	1.97%	29.09%	0.40%	7.99%	139.8%	99.6%	53.9%
21-Jun-08	343	206	28.9	776	434	106	6.03	1460	60.06%	8.43%	126.53%	1.76%	30.90%	26.55%	3.72%	55.93%	0.78%	13.66%	14.11%	1.98%	29.73%	0.41%	7.26%	227.7%	100.6%	53.5%
22-Jun-08	341	200	27.7	566	440	89.4	5.13	1200	58.65%	8.12%	129.03%	1.50%	26.22%	35.34%	4.89%	77.74%	0.91%	15.80%	16.67%	2.31%	36.67%	0.43%	7.45%	223.5%	134.7%	63.5%
23-Jun-08	341	220	27.2	575	470	75.3	4.39	1190	64.52%	7.98%	137.83%	1.29%	22.08%	38.26%	4.73%	81.74%	0.76%	13.10%	18.49%	2.29%	39.50%	0.37%	6.33%	233.7%	138.6%	67.0%
24-Jun-08	338	220	25.4	582	432	79.4	4.03	1220	65.09%	7.51%	127.81%	1.19%	23.49%	37.80%	4.36%	74.23%	0.69%	13.64%	18.03%	2.08%	35.41%	0.33%	6.51%	225.1%	130.7%	62.4%
25-Jun-08	337	195	24.5	556	379	135	3.54	1200	57.86%	7.27%	112.46%	1.05%	40.06%	35.07%	4.41%	68.17%	0.64%	24.28%	16.25%	2.04%	31.58%	0.30%	11.25%	218.7%	132.6%	61.4%
26-Jun-08	337	176	23.4	531	346	111	3.14	1130	52.23%	6.94%	102.67%	0.93%	32.94%	33.15%	4.41%	65.16%	0.59%	20.90%	15.58%	2.07%	30.62%	0.28%	9.82%	195.7%	124.2%	58.4%
27-Jun-08	337	162	22.1	517	325	87.3	2.74	1060	48.07%	6.56%	96.44%	0.81%	25.91%	31.33%	4.27%	62.86%	0.53%	16.89%	15.28%	2.08%	30.66%	0.26%	8.24%	177.8%	115.9%	56.5%
28-Jun-08	333	147	21	498	312	71.9	2.48	1000	44.14%	6.31%	93.69%	0.74%	21.59%	29.52%	4.22%	62.65%	0.50%	14.44%	14.70%	2.10%	31.20%	0.25%	7.19%	166.5%	111.3%	55.4%
29-Jun-08	330	140	20	481	359	60	2.22	962	42.42%	6.06%	108.79%	0.67%	18.18%	29.11%	4.16%	74.64%	0.46%	12.47%	14.55%	2.08%	37.32%	0.23%	6.24%	**176.1%**	120.8%	60.4%
30-Jun-08	503	147	19	512	395	50.6	2.05	1000	29.22%	3.78%	78.53%	0.41%	10.06%	28.71%	3.71%	77.15%	0.40%	9.88%	14.70%	1.90%	39.50%	0.21%	5.06%	**122.0%**	119.9%	61.4%
1-Jul-08	348	137	18	619	387	42.3	1.88	1170	39.37%	5.17%	111.21%	0.54%	12.16%	22.13%	2.91%	62.52%	0.30%	6.83%	11.71%	1.54%	33.08%	0.16%	3.62%	**168.4%**	94.7%	50.1%
2-Jul-08	332	129	17.2	486	370	36	1.74	1010	38.86%	5.18%	111.45%	0.52%	10.84%	26.54%	3.54%	76.13%	0.36%	7.41%	12.77%	1.70%	36.63%	0.17%	3.56%	166.8%	114.0%	54.8%
3-Jul-08	445	129	16.7	491	366	30.5	2.23	964	28.99%	3.75%	82.25%	0.50%	6.85%	26.27%	3.40%	74.54%	0.45%	6.21%	13.38%	1.73%	37.97%	0.23%	3.16%	122.3%	110.9%	56.5%
4-Jul-08	472	133	16.2	606	358	27.4	2.39	1070	28.18%	3.43%	75.85%	0.51%	5.81%	21.95%	2.67%	59.08%	0.39%	4.52%	12.43%	1.51%	33.46%	0.22%	2.56%	113.8%	88.6%	50.2%
5-Jul-08	523	136	15.6	562	363	25.4	2.29	1080	26.00%	2.98%	69.41%	0.44%	4.86%	24.20%	2.78%	64.59%	0.41%	4.52%	12.59%	1.44%	33.61%	0.21%	2.35%	103.7%	96.5%	50.2%
6-Jul-08	684	138	14.9	745	339	25.8	2.11	1180	20.18%	2.18%	49.56%	0.31%	3.77%	18.52%	2.00%	45.50%	0.28%	3.46%	11.69%	1.26%	28.73%	0.18%	2.19%	76.0%	69.8%	44.1%
7-Jul-08	979	134	14.6	1040	328	35.2	1.92	1360	13.69%	1.49%	33.50%	0.20%	3.60%	12.88%	1.40%	31.54%	0.18%	3.38%	9.85%	1.07%	24.12%	0.14%	2.59%	52.5%	49.4%	37.8%
8-Jul-08	1250	125	13.8	1260	283	47.1	1.93	1600	10.00%	1.10%	22.64%	0.15%	3.77%	9.92%	1.10%	22.46%	0.15%	3.74%	7.81%	0.86%	17.69%	0.12%	2.94%	37.7%	37.4%	29.4%
9-Jul-08	1320	116	13	1410	240	54.4	1.91	1720	8.79%	0.98%	18.18%	0.14%	4.12%	8.23%	0.92%	17.02%	0.14%	3.86%	6.74%	0.76%	13.95%	0.11%	3.16%	32.2%	30.2%	24.7%
10-Jul-08	1350	107	12.5	1480	224	57.2	1.87	1760	7.93%	0.93%	16.59%	0.14%	4.24%	7.23%	0.84%	15.14%	0.13%	3.86%	6.08%	0.71%	12.73%	0.11%	3.25%	29.8%	27.2%	22.9%
11-Jul-08	1450	98.3	11.5	1530	206	51.2	1.67	1800	6.78%	0.79%	14.21%	0.12%	3.53%	6.42%	0.75%	13.46%	0.11%	3.35%	5.46%	0.64%	11.44%	0.09%	2.84%	25.4%	24.1%	20.5%
12-Jul-08	1300	89.7	10.9	1500	180	42.8	1.49	1790	6.90%	0.84%	13.85%	0.11%	3.29%	5.98%	0.73%	12.00%	0.10%	2.85%	5.01%	0.61%	10.06%	0.08%	2.39%	25.0%	21.7%	18.2%
13-Jul-08	1230	83.9	10.6	1310	165	36.5	1.4	1620	6.82%	0.86%	13.41%	0.11%	2.97%	6.40%	0.81%	12.60%	0.11%	2.79%	5.18%	0.65%	10.19%	0.09%	2.25%	24.2%	22.7%	18.4%
14-Jul-08	1270	83	10	1330	165	32.3	1.38	1600	6.54%	0.79%	12.99%	0.11%	2.54%	6.24%	0.75%	12.41%	0.10%	2.43%	5.19%	0.63%	10.31%	0.09%	2.02%	23.0%	21.9%	18.2%

Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
15-Jul-08	1270	83.1	9.54	1350	169	31.4	1.28	1620	6.54%	0.75%	13.31%	0.10%	2.47%	6.16%	0.71%	12.52%	0.09%	2.33%	5.13%	0.59%	10.43%	0.08%	1.94%	23.2%	21.8%	18.2%
16-Jul-08	1250	82.8	9.04	1320	163	43.6	1.43	1600	6.62%	0.72%	13.04%	0.11%	3.49%	6.27%	0.68%	12.35%	0.11%	3.30%	5.18%	0.57%	10.19%	0.09%	2.73%	24.0%	22.7%	18.7%
17-Jul-08	1150	84.1	8.75	1230	158	56.5	1.45	1550	7.31%	0.76%	13.74%	0.13%	4.91%	6.84%	0.71%	12.85%	0.12%	4.59%	5.43%	0.56%	10.19%	0.09%	3.65%	26.9%	25.1%	19.9%
18-Jul-08	1130	83.1	8.46	1200	155	61.1	1.49	1510	7.35%	0.75%	13.72%	0.13%	5.41%	6.93%	0.71%	12.92%	0.12%	5.09%	5.50%	0.56%	10.26%	0.10%	4.05%	27.4%	25.8%	20.5%
19-Jul-08	1160	81	8.23	1220	151	58.4	1.6	1520	6.98%	0.71%	13.02%	0.14%	5.03%	6.64%	0.67%	12.38%	0.13%	4.79%	5.33%	0.54%	9.93%	0.11%	3.84%	25.9%	24.6%	19.8%
20-Jul-08	1170	77.8	8.19	1230	143	54.9	2.15	1550	6.65%	0.70%	12.22%	0.18%	4.69%	6.33%	0.67%	11.63%	0.17%	4.46%	5.02%	0.53%	9.23%	0.14%	3.54%	24.4%	23.3%	18.5%
21-Jul-08	1090	74.4	7.55	1170	143	46.8	2.32	1500	6.83%	0.69%	13.12%	0.21%	4.29%	6.36%	0.65%	12.22%	0.20%	4.00%	4.96%	0.50%	9.53%	0.15%	3.12%	25.1%	23.4%	18.3%
22-Jul-08	1130	71.7	7.52	1180	164	39.4	2.4	1420	6.35%	0.67%	14.51%	0.21%	3.49%	6.08%	0.64%	13.90%	0.20%	3.34%	5.05%	0.53%	11.55%	0.17%	2.77%	25.2%	24.2%	20.1%
23-Jul-08	1140	69.5	6.68	1160	165	33.6	2.48	1470	6.10%	0.59%	14.47%	0.22%	2.95%	5.99%	0.58%	14.22%	0.21%	2.90%	4.73%	0.45%	11.22%	0.17%	2.29%	24.3%	23.9%	18.9%
24-Jul-08	1170	65.3	6.36	1190	143	28.5	2.38	1490	5.58%	0.54%	12.22%	0.20%	2.44%	5.49%	0.53%	12.02%	0.20%	2.39%	4.38%	0.43%	9.60%	0.16%	1.91%	21.0%	20.6%	16.5%
25-Jul-08	1380	61.5	6.09	1390	126	24.6	2.2	1540	4.46%	0.44%	9.13%	0.16%	1.78%	4.42%	0.44%	9.06%	0.16%	1.77%	3.99%	0.40%	8.18%	0.14%	1.60%	16.0%	15.9%	14.3%
26-Jul-08	1410	58.5	5.71	1480	116	21.4	2	1660	4.15%	0.40%	8.23%	0.14%	1.52%	3.95%	0.39%	7.84%	0.14%	1.45%	3.52%	0.34%	6.99%	0.12%	1.29%	14.4%	13.8%	12.3%
27-Jul-08	1430	57.2	5.47	1490	111	18.7	1.84	1660	4.00%	0.38%	7.76%	0.13%	1.31%	3.84%	0.37%	7.45%	0.12%	1.26%	3.45%	0.33%	6.69%	0.11%	1.13%	13.6%	13.0%	11.7%
28-Jul-08	1430	55.5	5.42	1500	110	16.5	1.67	1650	3.88%	0.38%	7.69%	0.12%	1.15%	3.70%	0.36%	7.33%	0.11%	1.10%	3.36%	0.33%	6.67%	0.10%	1.00%	13.2%	12.6%	11.5%
29-Jul-08	1280	53.7	5.14	1370	108	15.2	1.56	1600	4.20%	0.40%	8.44%	0.12%	1.19%	3.92%	0.38%	7.88%	0.11%	1.11%	3.36%	0.32%	6.75%	0.10%	0.95%	14.3%	13.4%	11.5%
30-Jul-08	1330	51.8	4.78	1390	105	14.3	1.44	1570	3.89%	0.36%	7.89%	0.11%	1.08%	3.73%	0.34%	7.55%	0.10%	1.03%	3.30%	0.30%	6.69%	0.09%	0.91%	13.3%	12.8%	11.3%
31-Jul-08	1370	49.8	5.04	1400	104	13.7	1.37	1570	3.64%	0.37%	7.59%	0.10%	1.00%	3.56%	0.36%	7.43%	0.10%	0.98%	3.17%	0.32%	6.62%	0.09%	0.87%	12.7%	12.4%	11.1%
1-Aug-08	1260	49.7	4.71	1330	99.3	13.5	1.34	1540	3.94%	0.37%	7.88%	0.11%	1.07%	3.74%	0.35%	7.47%	0.10%	1.02%	3.23%	0.31%	6.45%	0.09%	0.88%	13.4%	12.7%	10.9%
2-Aug-08	1090	48.5	4.2	1170	93.2	13.5	1.3	1460	4.45%	0.39%	8.55%	0.12%	1.24%	4.15%	0.36%	7.97%	0.11%	1.15%	3.32%	0.29%	6.38%	0.09%	0.92%	14.7%	13.7%	11.0%
3-Aug-08	1040	47.2	4.02	1070	88.2	13.3	1.29	1320	4.54%	0.39%	8.48%	0.12%	1.28%	4.41%	0.38%	8.24%	0.12%	1.24%	3.58%	0.30%	6.68%	0.10%	1.01%	14.8%	14.4%	11.7%
4-Aug-08	1210	45.3	3.78	1210	82.8	13.3	1.29	1330	3.74%	0.31%	6.84%	0.11%	1.10%	3.74%	0.31%	6.84%	0.11%	1.10%	3.41%	0.28%	6.23%	0.10%	1.00%	12.1%	12.1%	11.0%
5-Aug-08	1310	44	3.59	1350	79.4	13.1	1.28	1500	3.36%	0.27%	6.06%	0.10%	1.00%	3.26%	0.27%	5.88%	0.09%	0.97%	2.93%	0.24%	5.29%	0.09%	0.87%	10.8%	10.5%	9.4%
6-Aug-08	1300	42.7	3.42	1300	78.1	12.8	1.27	1510	3.28%	0.26%	6.01%	0.10%	0.98%	3.28%	0.26%	6.01%	0.10%	0.98%	2.83%	0.23%	5.17%	0.08%	0.85%	10.6%	10.6%	9.2%
7-Aug-08	1390	41.4	3.25	1410	76.4	11.7	1.24	1550	2.98%	0.23%	5.50%	0.09%	0.84%	2.94%	0.23%	5.42%	0.09%	0.83%	2.67%	0.21%	4.93%	0.08%	0.75%	9.6%	9.5%	8.6%
8-Aug-08	1340	40.3	3.11	1420	76.2	10.5	1.21	1570	3.01%	0.23%	5.69%	0.09%	0.78%	2.84%	0.22%	5.37%	0.09%	0.74%	2.57%	0.20%	4.85%	0.08%	0.67%	9.8%	9.2%	8.4%
9-Aug-08	1230	40.1	3.22	1270	77.7	9.36	1.17	1470	3.26%	0.26%	6.32%	0.10%	0.76%	3.16%	0.25%	6.12%	0.09%	0.74%	2.73%	0.22%	5.29%	0.08%	0.64%	10.7%	10.4%	8.9%
10-Aug-08	977	53.8	3.17	1110	82.5	8.7	1.15	1380	5.51%	0.32%	8.44%	0.12%	0.89%	4.85%	0.29%	7.43%	0.10%	0.78%	3.90%	0.23%	5.98%	0.08%	0.63%	15.3%	13.5%	10.8%
11-Aug-08	1240	346	3.84	1280	96.2	8.89	1.65	1320	27.90%	0.31%	7.76%	0.13%	0.72%	27.03%	0.30%	7.52%	0.13%	0.69%	26.21%	0.29%	7.29%	0.13%	0.67%	36.8%	35.7%	34.6%
12-Aug-08	1260	448	4.47	1820	142	105	3	1900	35.56%	0.35%	11.27%	0.24%	8.33%	24.62%	0.25%	7.80%	0.16%	5.77%	23.58%	0.24%	7.47%	0.16%	5.53%	55.8%	38.6%	37.0%
13-Aug-08	1290	299	4.11	1800	158	265	5.5	2040	23.18%	0.32%	12.25%	0.43%	20.54%	16.61%	0.23%	8.78%	0.31%	14.72%	14.66%	0.20%	7.75%	0.27%	12.99%	56.7%	40.6%	35.9%
14-Aug-08	1380	227	4.2	1800	128	183	10	1980	16.45%	0.30%	9.28%	**0.72%**	13.26%	12.61%	0.23%	7.11%	0.56%	10.17%	11.46%	0.21%	6.46%	0.51%	9.24%	40.0%	30.7%	27.9%
15-Aug-08	1430	187	4.13	1800	109	125	9.1	1890	13.08%	0.29%	7.62%	0.64%	8.74%	10.39%	0.23%	6.06%	0.51%	6.94%	9.89%	0.22%	5.77%	0.48%	6.61%	30.4%	24.1%	23.0%
16-Aug-08	1330	160	3.88	1650	101	93.5	8	1760	12.03%	0.29%	7.59%	0.60%	7.03%	9.70%	0.24%	6.12%	0.48%	5.67%	9.09%	0.22%	5.74%	0.45%	5.31%	27.5%	22.2%	20.8%
17-Aug-08	1360	142	3.76	1740	96.8	72.4	7.02	1750	10.44%	0.28%	7.12%	0.52%	5.32%	8.16%	0.22%	5.56%	0.40%	4.16%	8.11%	0.21%	5.53%	0.40%	4.14%	23.7%	18.5%	18.4%
18-Aug-08	1040	126	3.69	1280	93.5	58.1	6.25	1430	12.12%	0.35%	8.99%	0.60%	5.59%	9.84%	0.29%	7.30%	0.49%	4.54%	8.81%	0.26%	6.54%	0.44%	4.06%	27.6%	22.5%	20.1%
19-Aug-08	1120	113	3.65	1300	89.4	46.7	5.58	1370	10.09%	0.33%	7.98%	0.50%	4.17%	8.69%	0.28%	6.88%	0.43%	3.59%	8.25%	0.27%	6.53%	0.41%	3.41%	23.1%	19.9%	18.9%
20-Aug-08	1060	119	3.75	1320	96.9	41.9	4.78	1440	11.23%	0.35%	9.14%	0.45%	3.95%	9.02%	0.28%	7.34%	0.36%	3.17%	8.26%	0.26%	6.73%	0.33%	2.91%	25.1%	20.2%	18.5%
21-Aug-08	768	179	3.78	1000	105	34.1	3.21	1260	23.31%	0.49%	13.67%	0.42%	4.44%	17.90%	0.38%	10.50%	0.32%	3.41%	14.21%	0.30%	8.33%	0.25%	2.71%	42.3%	32.5%	25.8%
22-Aug-08	1360	180	3.75	1450	130	28.1	2.8	1310	13.24%	0.28%	9.56%	0.21%	2.07%	12.41%	0.26%	8.97%	0.19%	1.94%	13.74%	0.29%	9.92%	0.21%	2.15%	25.3%	23.8%	26.3%
23-Aug-08	1320	147	3.92	1580	141	25.2	2.2	1700	11.14%	0.30%	10.68%	0.17%	1.91%	9.30%	0.25%	8.92%	0.14%	1.59%	8.65%	0.23%	8.29%	0.13%	1.48%	24.2%	20.2%	18.8%
24-Aug-08	1090	126	3.86	1380	119	23	1.74	1630	11.56%	0.35%	10.92%	0.16%	2.11%	9.13%	0.28%	8.62%	0.13%	1.67%	7.73%	0.24%	7.30%	0.11%	1.41%	25.1%	19.8%	16.8%
25-Aug-08	1370	113	3.88	1380	105	21.3	1.47	1390	8.25%	0.28%	7.66%	0.11%	1.55%	8.19%	0.28%	7.61%	0.11%	1.54%	8.13%	0.28%	7.55%	0.11%	1.53%	17.9%	17.7%	17.6%
26-Aug-08	1070	103	4.14	1320	128	19.7	1.37	1500	9.63%	0.39%	11.96%	0.13%	1.84%	7.80%	0.31%	9.70%	0.10%	1.49%	6.87%	0.28%	8.53%	0.09%	1.31%	23.9%	19.4%	17.1%
27-Aug-08	998	95.5	4.09	1090	134	17.5	1.33	1280	9.57%	0.41%	13.43%	0.13%	1.75%	8.76%	0.38%	12.29%	0.12%	1.61%	7.46%	0.32%	10.47%	0.10%	1.37%	25.3%	23.2%	19.7%
28-Aug-08	1000	88.1	3.79	1170	119	15.8	1.3	1280	8.81%	0.38%	11.90%	0.13%	1.58%	7.53%	0.32%	10.17%	0.11%	1.35%	6.88%	0.30%	9.30%	0.10%	1.23%	22.8%	19.5%	17.8%
29-Aug-08	1210	82.3	3.82	1240	157	14.3	1.28	1300	6.80%	0.32%	12.98%	0.11%	1.18%	6.64%	0.31%	12.66%	0.10%	1.15%	6.33%	0.29%	12.08%	0.10%	1.10%	21.4%	20.9%	19.9%
30-Aug-08	1350	83	3.84	1510	183	13.6	1.27	1610	6.15%	0.28%	13.56%	0.09%	1.01%	5.50%	0.25%	12.12%	0.08%	0.90%	5.16%	0.24%	11.37%	0.08%	0.84%	21.1%	18.9%	17.7%
31-Aug-08	1230	87.4	3.83	1440	175	12.6	1.28	1640	7.11%	0.31%	14.23%	0.10%	1.02%	6.07%	0.27%	12.15%	0.09%	0.88%	5.33%	0.23%	10.67%	0.08%	0.77%	22.8%	19.5%	17.1%
1-Sep-08	906	86	3.73	1040	166	11.7	1.29	1340	9.49%	0.41%	18.32%	0.14%	1.29%	8.27%	0.36%	15.96%	0.12%	1.13%	6.42%	0.28%	12.39%	0.10%	0.87%	29.7%	25.8%	20.1%

Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
2-Sep-08	1140	82.8	3.75	1220	145	11.8	1.38	1250	7.26%	0.33%	12.72%	0.12%	1.04%	6.79%	0.31%	11.89%	0.11%	0.97%	6.62%	0.30%	11.60%	0.11%	0.94%	21.5%	20.1%	19.6%
3-Sep-08	1170	77.9	3.74	1350	129	12.5	1.44	1490	6.66%	0.32%	11.03%	0.12%	1.07%	5.77%	0.28%	9.56%	0.11%	0.93%	5.23%	0.25%	8.66%	0.10%	0.84%	19.2%	16.6%	15.1%
4-Sep-08	1250	73.5	3.63	1320	116	16.6	1.29	1420	5.88%	0.29%	9.28%	0.10%	1.33%	5.57%	0.28%	8.79%	0.10%	1.26%	5.18%	0.26%	8.17%	0.09%	1.17%	16.9%	16.0%	14.9%
5-Sep-08	1130	70	3.47	1290	106	17.2	1.28	1420	6.19%	0.31%	9.38%	0.11%	1.52%	5.43%	0.27%	8.22%	0.10%	1.33%	4.93%	0.24%	7.46%	0.09%	1.21%	17.5%	15.3%	13.9%
6-Sep-08	1070	68.4	3.42	1150	98	16.2	1.26	1310	6.39%	0.32%	9.16%	0.12%	1.51%	5.95%	0.30%	8.52%	0.11%	1.41%	5.22%	0.26%	7.48%	0.10%	1.24%	17.5%	16.3%	14.3%
7-Sep-08	1030	67.2	3.43	1160	97.2	15.2	1.21	1260	6.52%	0.33%	9.44%	0.12%	1.48%	5.79%	0.30%	8.38%	0.10%	1.31%	5.33%	0.27%	7.71%	0.10%	1.21%	17.9%	15.9%	14.6%
8-Sep-08	971	65.7	3.36	1160	101	15.1	1.22	1240	6.77%	0.35%	10.40%	0.13%	1.56%	5.66%	0.29%	8.71%	0.11%	1.30%	5.30%	0.27%	8.15%	0.10%	1.22%	19.2%	16.1%	15.0%
9-Sep-08	1080	63.3	3.5	1120	95.7	14.5	1.23	1200	5.86%	0.32%	8.86%	0.11%	1.34%	5.65%	0.31%	8.54%	0.11%	1.29%	5.28%	0.29%	7.98%	0.10%	1.21%	16.5%	15.9%	14.9%
10-Sep-08	1030	60.7	3.52	1110	92.6	14.2	1.24	1230	5.89%	0.34%	8.99%	0.12%	1.38%	5.47%	0.32%	8.34%	0.11%	1.28%	4.93%	0.29%	7.53%	0.10%	1.15%	16.7%	15.5%	14.0%
11-Sep-08	1030	58.5	3.57	1110	89.9	14.9	1.28	1220	5.68%	0.35%	8.73%	0.12%	1.45%	5.27%	0.32%	8.10%	0.12%	1.34%	4.80%	0.29%	7.37%	0.10%	1.22%	16.3%	15.1%	13.8%
12-Sep-08	1040	55.6	3.6	1140	86.3	17.1	1.37	1220	5.35%	0.35%	8.30%	0.13%	1.64%	4.88%	0.32%	7.57%	0.12%	1.50%	4.56%	0.30%	7.07%	0.11%	1.40%	15.8%	14.4%	13.4%
13-Sep-08	951	52.7	3.4	1040	97.4	20.4	1.45	1190	5.54%	0.36%	10.24%	0.15%	2.15%	5.07%	0.33%	9.37%	0.14%	1.96%	4.43%	0.29%	8.18%	0.12%	1.71%	18.4%	16.9%	14.7%
14-Sep-08	824	50.3	3.23	1030	98.9	19.9	1.52	1130	6.10%	0.39%	12.00%	0.18%	2.42%	4.88%	0.31%	9.60%	0.15%	1.93%	4.45%	0.29%	8.75%	0.13%	1.76%	21.1%	16.9%	15.4%
15-Sep-08	897	47.9	3.2	924	88.9	17.7	1.56	1020	5.34%	0.36%	9.91%	0.17%	1.97%	5.18%	0.35%	9.62%	0.17%	1.92%	4.70%	0.31%	8.72%	0.15%	1.74%	17.8%	17.2%	15.6%
16-Sep-08	1130	46	3.26	1090	80.4	15.9	1.57	1120	4.07%	0.29%	7.12%	0.14%	1.41%	4.22%	0.30%	7.38%	0.14%	1.46%	4.11%	0.29%	7.18%	0.14%	1.42%	13.0%	13.5%	13.1%
17-Sep-08	1010	44.8	2.97	1140	75	14.3	1.56	1270	4.44%	0.29%	7.43%	0.15%	1.42%	3.93%	0.26%	6.58%	0.14%	1.25%	3.53%	0.23%	5.91%	0.12%	1.13%	13.7%	12.2%	10.9%
18-Sep-08	1030	43.6	2.91	1100	72	13.2	1.55	1160	4.23%	0.28%	6.99%	0.15%	1.28%	3.96%	0.26%	6.55%	0.14%	1.20%	3.76%	0.25%	6.21%	0.13%	1.14%	12.9%	12.1%	11.5%
19-Sep-08	1060	42.6	2.84	1110	68.9	12	1.53	1190	4.02%	0.27%	6.50%	0.14%	1.13%	3.84%	0.26%	6.21%	0.14%	1.08%	3.58%	0.24%	5.79%	0.13%	1.01%	12.1%	11.5%	10.7%
20-Sep-08	1100	41.6	2.72	1140	65.4	11.1	1.51	1220	3.78%	0.25%	5.95%	0.14%	1.01%	3.65%	0.24%	5.74%	0.13%	0.97%	3.41%	0.22%	5.36%	0.12%	0.91%	11.1%	10.7%	10.0%
21-Sep-08	854	40.6	2.68	992	62.1	10.2	1.49	1200	4.75%	0.31%	7.27%	0.17%	1.19%	4.09%	0.27%	6.26%	0.15%	1.03%	3.38%	0.22%	5.18%	0.12%	0.85%	13.7%	11.8%	9.8%
22-Sep-08	980	40	2.64	1020	59.8	9.47	1.46	1030	4.08%	0.27%	6.10%	0.15%	0.97%	3.92%	0.26%	5.86%	0.14%	0.93%	3.88%	0.26%	5.81%	0.14%	0.92%	11.6%	11.1%	11.0%
23-Sep-08	1000	40.1	2.64	1080	57.6	8.83	1.43	1110	4.01%	0.26%	5.76%	0.14%	0.88%	3.71%	0.24%	5.33%	0.13%	0.82%	3.61%	0.24%	5.19%	0.13%	0.80%	11.1%	10.2%	10.0%
24-Sep-08	1110	40.2	2.65	1070	54.9	8.33	1.41	1150	3.62%	0.24%	4.95%	0.13%	0.75%	3.76%	0.25%	5.13%	0.13%	0.78%	3.50%	0.23%	4.77%	0.12%	0.72%	9.7%	10.0%	9.3%
25-Sep-08	970	39.5	2.46	1020	53.7	7.76	1.38	1180	4.07%	0.25%	5.54%	0.14%	0.80%	3.87%	0.24%	5.26%	0.14%	0.76%	3.35%	0.21%	4.55%	0.12%	0.66%	10.8%	10.3%	8.9%
26-Sep-08	1010	38.3	2.39	1100	53.9	7.47	1.37	1140	3.79%	0.24%	5.34%	0.14%	0.74%	3.48%	0.22%	4.90%	0.12%	0.68%	3.36%	0.21%	4.73%	0.12%	0.66%	10.2%	9.4%	9.1%
27-Sep-08	718	37.8	2.42	854	54	7.46	1.36	1080	5.26%	0.34%	7.52%	0.19%	1.04%	4.43%	0.28%	6.32%	0.16%	0.87%	3.50%	0.22%	5.00%	0.13%	0.69%	14.4%	12.1%	9.5%
28-Sep-08	719	36.9	2.47	745	56.8	7.28	1.35	823	5.13%	0.34%	7.90%	0.19%	1.01%	4.95%	0.33%	7.62%	0.18%	0.98%	4.48%	0.30%	6.90%	0.16%	0.88%	14.6%	14.1%	12.7%
29-Sep-08	971	36.2	2.5	839	64.5	7.32	1.34	825	3.73%	0.26%	6.64%	0.14%	0.75%	4.31%	0.30%	7.69%	0.16%	0.87%	4.39%	0.30%	7.82%	0.16%	0.89%	11.5%	13.3%	13.6%
30-Sep-08	972	35.7	2.38	998	60.4	7.29	1.33	1100	3.67%	0.24%	6.21%	0.14%	0.75%	3.58%	0.24%	6.05%	0.13%	0.73%	3.25%	0.22%	5.49%	0.12%	0.66%	11.0%	10.7%	9.7%
1-Oct-08	892	35	2.25	906	56.2	7.06	1.32	1030	3.92%	0.25%	6.30%	0.15%	0.79%	3.86%	0.25%	6.20%	0.15%	0.78%	3.40%	0.22%	5.46%	0.13%	0.69%	11.4%	11.2%	9.9%
2-Oct-08	917	34.7	2.15	958	54.3	6.99	1.31	964	3.78%	0.23%	5.92%	0.14%	0.76%	3.62%	0.22%	5.67%	0.14%	0.73%	3.60%	0.22%	5.63%	0.14%	0.73%	10.8%	10.4%	10.3%
3-Oct-08	918	35.3	2.21	918	54.3	6.95	1.3	1010	3.85%	0.24%	5.92%	0.14%	0.76%	3.85%	0.24%	5.92%	0.14%	0.76%	3.50%	0.22%	5.38%	0.13%	0.69%	10.9%	10.9%	9.9%
4-Oct-08	993	35.5	2.3	1020	57.1	7.01	1.29	1070	3.58%	0.23%	5.75%	0.13%	0.71%	3.48%	0.23%	5.60%	0.13%	0.69%	3.32%	0.21%	5.34%	0.12%	0.66%	10.4%	10.1%	9.6%
5-Oct-08	931	35.4	2.33	990	62.2	6.77		1070	3.80%	0.25%	6.68%	0.00%	0.73%	3.58%	0.24%	6.28%	0.00%	0.68%	3.31%	0.22%	5.81%	0.00%	0.63%	11.5%	10.8%	10.0%
6-Oct-08	985	35.7	2.4	1060	64.3	6.55		1040	3.62%	0.24%	6.53%	0.00%	0.66%	3.37%	0.23%	6.07%	0.00%	0.62%	3.43%	0.23%	6.18%	0.00%	0.63%	11.1%	10.3%	10.5%
7-Oct-08	1040	36.6	2.62	1040	73	6.56		1110	3.52%	0.25%	7.02%	0.00%	0.63%	3.52%	0.25%	7.02%	0.00%	0.63%	3.30%	0.24%	6.58%	0.00%	0.59%	11.4%	11.4%	10.7%
8-Oct-08	1060	37.2	2.29	1130	73	7.5		1190	3.51%	0.22%	6.89%	0.00%	0.71%	3.29%	0.20%	6.46%	0.00%	0.66%	3.13%	0.19%	6.13%	0.00%	0.63%	11.3%	10.6%	10.1%
9-Oct-08	1100	36.6	2.36	1110	82.1	9.2		1200	3.33%	0.21%	7.46%	0.00%	0.84%	3.30%	0.21%	7.40%	0.00%	0.83%	3.05%	0.20%	6.84%	0.00%	0.77%	11.8%	11.7%	10.9%
10-Oct-08	1040	35.7	2.23	1130	79.4	9.69		1230	3.43%	0.21%	7.63%	0.00%	0.93%	3.16%	0.20%	7.03%	0.00%	0.86%	2.90%	0.18%	6.46%	0.00%	0.79%	12.2%	11.2%	10.3%
11-Oct-08	1070	34.9	2.06	1110	72.6	9.3		1180	3.26%	0.19%	6.79%	0.00%	0.87%	3.14%	0.19%	6.54%	0.00%	0.84%	2.96%	0.17%	6.15%	0.00%	0.79%	11.1%	10.7%	10.1%
12-Oct-08	1070	34.1	2.43	1140	67.1	9.05		1200	3.19%	0.23%	6.27%	0.00%	0.85%	2.99%	0.21%	5.89%	0.00%	0.79%	2.84%	0.20%	5.59%	0.00%	0.75%	10.5%	9.9%	9.4%
13-Oct-08	966	33.6	2.59	994	63.1	8.65		1130	3.48%	0.27%	6.53%	0.00%	0.90%	3.38%	0.26%	6.35%	0.00%	0.87%	2.97%	0.23%	5.58%	0.00%	0.77%	11.2%	10.9%	9.6%
14-Oct-08	1050	33.4	2.08	1050	62.2	8.37		1090	3.18%	0.20%	5.92%	0.00%	0.80%	3.18%	0.20%	5.92%	0.00%	0.80%	3.06%	0.19%	5.71%	0.00%	0.77%	10.1%	10.1%	9.7%
15-Oct-08	1100	32.9	2.28	1160	68.3	8.09		1180	2.99%	0.21%	6.21%	0.00%	0.74%	2.84%	0.20%	5.89%	0.00%	0.70%	2.79%	0.19%	5.79%	0.00%	0.69%	10.1%	9.6%	9.5%
16-Oct-08	1030	32.2	2.09	1080	67	7.81		1180	3.13%	0.20%	6.50%	0.00%	0.76%	2.98%	0.19%	6.20%	0.00%	0.72%	2.73%	0.18%	5.68%	0.00%	0.66%	10.6%	10.1%	9.2%
17-Oct-08	1070	31.5	1.85	1140	62.3	7.56		1210	2.94%	0.17%	5.82%	0.00%	0.71%	2.76%	0.16%	5.46%	0.00%	0.66%	2.60%	0.15%	5.15%	0.00%	0.62%	9.6%	9.1%	8.5%
18-Oct-08	1110	30.8	1.77	1060	63.5	7.27		1120	2.77%	0.16%	5.72%	0.00%	0.65%	2.91%	0.17%	5.99%	0.00%	0.69%	2.75%	0.16%	5.67%	0.00%	0.65%	9.3%	9.7%	9.2%
19-Oct-08	980	30.2	1.82	1120	69.2	7		1170	3.08%	0.19%	7.06%	0.00%	0.71%	2.70%	0.16%	6.18%	0.00%	0.63%	2.58%	0.16%	5.91%	0.00%	0.60%	11.0%	9.7%	9.2%
20-Oct-08	954	29.7	1.71	925	65.3	6.62		1010	3.11%	0.18%	6.84%	0.00%	0.69%	3.21%	0.18%	7.06%	0.00%	0.72%	2.94%	0.17%	6.47%	0.00%	0.66%	10.8%	11.2%	10.2%

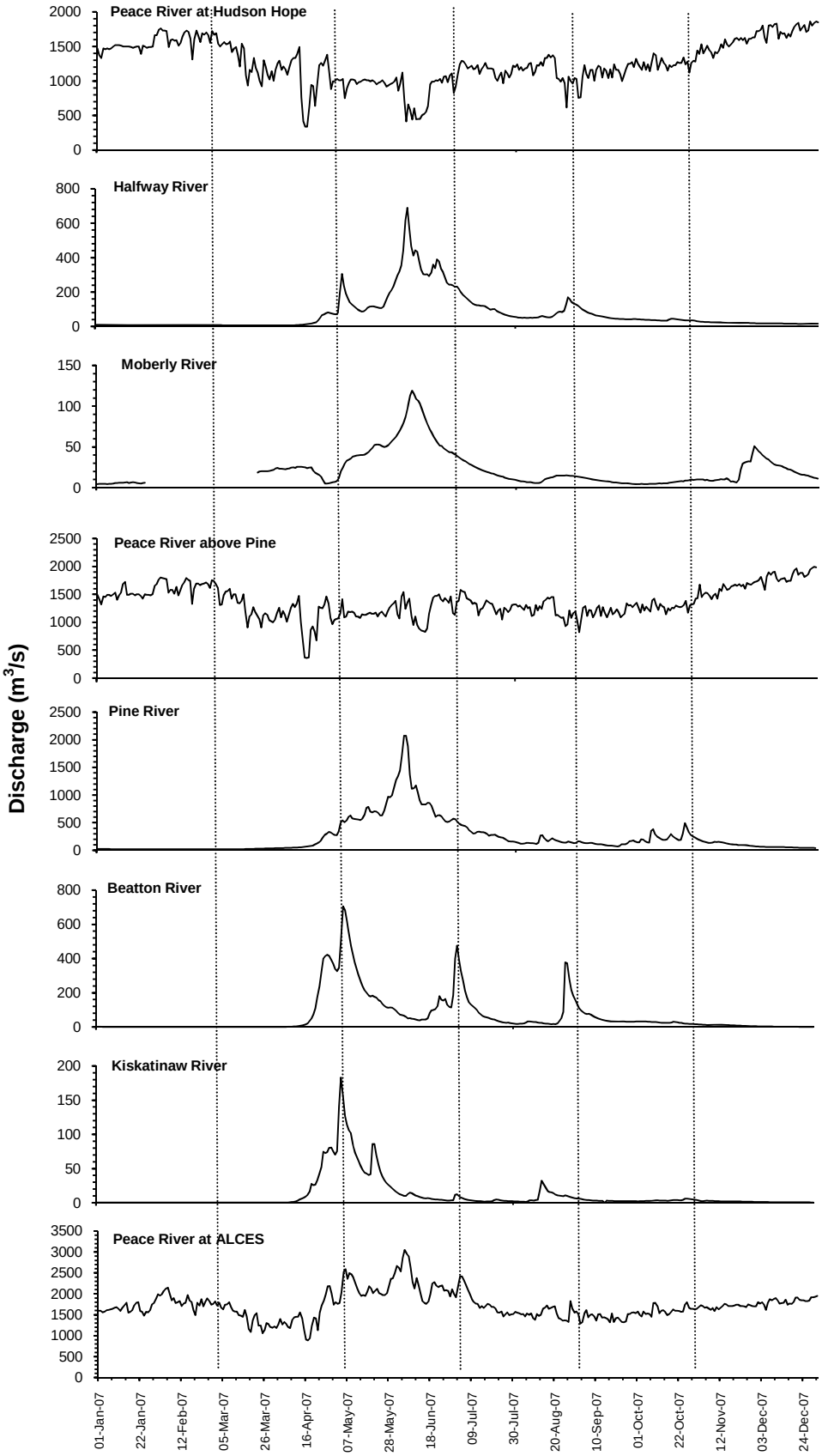
Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
21-Oct-08	957	29	1.5	1030	61	6.4		1080	3.03%	0.16%	6.37%	0.00%	0.67%	2.82%	0.15%	5.92%	0.00%	0.62%	2.69%	0.14%	5.65%	0.00%	0.59%	10.2%	9.5%	9.1%
22-Oct-08	915	28.7	1.67	1010	59	5.85		1100	3.14%	0.18%	6.45%	0.00%	0.64%	2.84%	0.17%	5.84%	0.00%	0.58%	2.61%	0.15%	5.36%	0.00%	0.53%	10.4%	9.4%	8.7%
23-Oct-08	946	28.6	1.54	957	58.2	5.68		1000	3.02%	0.16%	6.15%	0.00%	0.60%	2.99%	0.16%	6.08%	0.00%	0.59%	2.86%	0.15%	5.82%	0.00%	0.57%	9.9%	9.8%	9.4%
24-Oct-08	977	28.7	1.86	1000	77.7	6.39		1040	2.94%	0.19%	7.95%	0.00%	0.65%	2.87%	0.19%	7.77%	0.00%	0.64%	2.76%	0.18%	7.47%	0.00%	0.61%	11.7%	11.5%	11.0%
25-Oct-08	974	28.8	2.37	1000	87.2	6.3		1070	2.96%	0.24%	8.95%	0.00%	0.65%	2.88%	0.24%	8.72%	0.00%	0.63%	2.69%	0.22%	8.15%	0.00%	0.59%	12.8%	12.5%	11.7%
26-Oct-08	975	27.3	2.29	1010	81.3	6.21		1080	2.80%	0.23%	8.34%	0.00%	0.64%	2.70%	0.23%	8.05%	0.00%	0.61%	2.53%	0.21%	7.53%	0.00%	0.58%	12.0%	11.6%	10.8%
27-Oct-08	1080	25.1	1.98	1010	70.7	5.49		1070	2.32%	0.18%	6.55%	0.00%	0.51%	2.49%	0.20%	7.00%	0.00%	0.54%	2.35%	0.19%	6.61%	0.00%	0.51%	9.6%	10.2%	9.7%
28-Oct-08	1030	26.4	1.17	1100	67.2	4.63		1170	2.56%	0.11%	6.52%	0.00%	0.45%	2.40%	0.11%	6.11%	0.00%	0.42%	2.26%	0.10%	5.74%	0.00%	0.40%	9.7%	9.0%	8.5%
29-Oct-08	1160	27.2	1.31	1170	65.1	5.22		1180	2.34%	0.11%	5.61%	0.00%	0.45%	2.32%	0.11%	5.56%	0.00%	0.45%	2.31%	0.11%	5.52%	0.00%	0.44%	8.5%	8.4%	8.4%
30-Oct-08	1080	26.7	1.26	1090	65.7	5.23		1160	2.47%	0.12%	6.08%	0.00%	0.48%	2.45%	0.12%	6.03%	0.00%	0.48%	2.30%	0.11%	5.66%	0.00%	0.45%	9.2%	9.1%	8.5%
31-Oct-08	1100	26.5	1.57	1140	68.4	5.25		1190	2.41%	0.14%	6.22%	0.00%	0.48%	2.32%	0.14%	6.00%	0.00%	0.46%	2.23%	0.13%	5.75%	0.00%	0.44%	9.2%	8.9%	8.5%
1-Nov-08	1140	25.9	1.36	1150	66.6	4.59		1210	2.27%	0.12%	5.84%	0.00%	0.40%	2.25%	0.12%	5.79%	0.00%	0.40%	2.14%	0.11%	5.50%	0.00%	0.38%	8.6%	8.6%	8.1%
2-Nov-08	1080	25.8	1.38	1120	76.3	5.58		1210	2.39%	0.13%	7.06%	0.00%	0.52%	2.30%	0.12%	6.81%	0.00%	0.50%	2.13%	0.11%	6.31%	0.00%	0.46%	10.1%	9.7%	9.0%
3-Nov-08	1050	26.2	1.41	1090	101	6.07		1130	2.50%	0.13%	9.62%	0.00%	0.58%	2.40%	0.13%	9.27%	0.00%	0.56%	2.32%	0.12%	8.94%	0.00%	0.54%	12.8%	12.4%	11.9%
4-Nov-08	970	25.8	1.47	1110	120	5.61		1240	2.66%	0.15%	12.37%	0.00%	0.58%	2.32%	0.13%	10.81%	0.00%	0.51%	2.08%	0.12%	9.68%	0.00%	0.45%	15.8%	13.8%	12.3%
5-Nov-08	987	25.7	1.49	1000	119	5.24		1080	2.60%	0.15%	12.06%	0.00%	0.53%	2.57%	0.15%	11.90%	0.00%	0.52%	2.38%	0.14%	11.02%	0.00%	0.49%	15.3%	15.1%	14.0%
6-Nov-08	870	25.4	1.42	922	108	3.73		1070	2.92%	0.16%	12.41%	0.00%	0.43%	2.75%	0.15%	11.71%	0.00%	0.40%	2.37%	0.13%	10.09%	0.00%	0.35%	15.9%	15.0%	12.9%
7-Nov-08	921	23.6	1.29	946	96.8	4.73		977	2.56%	0.14%	10.51%	0.00%	0.51%	2.49%	0.14%	10.23%	0.00%	0.50%	2.42%	0.13%	9.91%	0.00%	0.48%	13.7%	13.4%	12.9%
8-Nov-08	843	23.1	1.25	898	95.2	6.86		1010	2.74%	0.15%	11.29%	0.00%	0.81%	2.57%	0.14%	10.60%	0.00%	0.76%	2.29%	0.12%	9.43%	0.00%	0.68%	15.0%	14.1%	12.5%
9-Nov-08	921	26.2	1.26	888	93.8	8.78		962	2.84%	0.14%	10.18%	0.00%	0.95%	2.95%	0.14%	10.56%	0.00%	0.99%	2.72%	0.13%	9.75%	0.00%	0.91%	14.1%	14.6%	13.5%
10-Nov-08	1060	25.4	1.28	1040	105	8.85		1040	2.40%	0.12%	9.91%	0.00%	0.83%	2.44%	0.12%	10.10%	0.00%	0.85%	2.44%	0.12%	10.10%	0.00%	0.85%	13.3%	13.5%	13.5%
11-Nov-08	1080	21.3	1.29	1060	115	10.4		1150	1.97%	0.12%	10.65%	0.00%	0.96%	2.01%	0.12%	10.85%	0.00%	0.98%	1.85%	0.11%	10.00%	0.00%	0.90%	13.7%	14.0%	12.9%
12-Nov-08	999		1.31	1100	114	10.8		1250	0.00%	0.13%	11.41%	0.00%	1.08%	0.00%	0.12%	10.36%	0.00%	0.98%	0.00%	0.10%	9.12%	0.00%	0.86%	12.6%	11.5%	10.1%
13-Nov-08	998		1.27	939	126	10.5		1030	0.00%	0.13%	12.63%	0.00%	1.05%	0.00%	0.14%	13.42%	0.00%	1.12%	0.00%	0.12%	12.23%	0.00%	1.02%	13.8%	14.7%	13.4%
14-Nov-08	1310		1.2	1260	140	10.6		1270	0.00%	0.09%	10.69%	0.00%	0.81%	0.00%	0.10%	11.11%	0.00%	0.84%	0.00%	0.09%	11.02%	0.00%	0.83%	11.6%	12.0%	12.0%
15-Nov-08	1460		1.16	1540	124	10.7		1520	0.00%	0.08%	8.49%	0.00%	0.73%	0.00%	0.08%	8.05%	0.00%	0.69%	0.00%	0.08%	8.16%	0.00%	0.70%	9.3%	8.8%	8.9%
16-Nov-08	1500		1.12	1430	114	10.6		1520	0.00%	0.07%	7.60%	0.00%	0.71%	0.00%	0.08%	7.97%	0.00%	0.74%	0.00%	0.07%	7.50%	0.00%	0.70%	8.4%	8.8%	8.3%
17-Nov-08	1530		1.1	1610	105	10.6		1640	0.00%	0.07%	6.86%	0.00%	0.69%	0.00%	0.07%	6.52%	0.00%	0.66%	0.00%	0.07%	6.40%	0.00%	0.65%	7.6%	7.2%	7.1%
18-Nov-08	1540		1.08	1590	90.3	11.4		1630	0.00%	0.07%	5.86%	0.00%	0.74%	0.00%	0.07%	5.68%	0.00%	0.72%	0.00%	0.07%	5.54%	0.00%	0.70%	6.7%	6.5%	6.3%
19-Nov-08	1550	82.4	1.06	1670	84.9	10.9		1660	5.32%	0.07%	5.48%	0.00%	0.70%	4.93%	0.06%	5.08%	0.00%	0.65%	4.96%	0.06%	5.11%	0.00%	0.66%	11.6%	10.7%	10.8%
20-Nov-08	1530	68.5	1.05	1580	81.1	10.8		1600	4.48%	0.07%	5.30%	0.00%	0.71%	4.34%	0.07%	5.13%	0.00%	0.68%	4.28%	0.07%	5.07%	0.00%	0.68%	10.6%	10.2%	10.1%
21-Nov-08	1580	64.1	1.03	1580	76.3	11.5		1520	4.06%	0.07%	4.83%	0.00%	0.73%	4.06%	0.07%	4.83%	0.00%	0.73%	4.22%	0.07%	5.02%	0.00%	0.76%	9.7%	9.7%	10.1%
22-Nov-08	1610	55.1	1.02	1750	76	11.4		1690	3.42%	0.06%	4.72%	0.00%	0.71%	3.15%	0.06%	4.34%	0.00%	0.65%	3.26%	0.06%	4.50%	0.00%	0.67%	8.9%	8.2%	8.5%
23-Nov-08	1500	75.3	1	1510	77.2	12.2		1530	5.02%	0.07%	5.15%	0.00%	0.81%	4.99%	0.07%	5.11%	0.00%	0.81%	4.92%	0.07%	5.05%	0.00%	0.80%	11.0%	11.0%	10.8%
24-Nov-08	1630	128	0.982	1750	77.7	11.9		1700	7.85%	0.06%	4.77%	0.00%	0.73%	7.31%	0.06%	4.44%	0.00%	0.68%	7.53%	0.06%	4.57%	0.00%	0.70%	13.4%	12.5%	12.9%
25-Nov-08	1670	205	0.974	1750	77.5	11.3		1720	12.28%	0.06%	4.64%	0.00%	0.68%	11.71%	0.06%	4.43%	0.00%	0.65%	11.92%	0.06%	4.51%	0.00%	0.66%	17.7%	16.8%	17.1%
26-Nov-08	1660	176	0.962	1790	77.3	10.4		1780	10.60%	0.06%	4.66%	0.00%	0.63%	9.83%	0.05%	4.32%	0.00%	0.58%	9.89%	0.05%	4.34%	0.00%	0.58%	15.9%	14.8%	14.9%
27-Nov-08	1640	142	0.955	1760	76.8	10.2		1750	8.66%	0.06%	4.68%	0.00%	0.62%	8.07%	0.05%	4.36%	0.00%	0.58%	8.11%	0.05%	4.39%	0.00%	0.58%	14.0%	13.1%	13.1%
28-Nov-08	1640	115	0.943	1760	76.1	9.37		1720	7.01%	0.06%	4.64%	0.00%	0.57%	6.53%	0.05%	4.32%	0.00%	0.53%	6.69%	0.05%	4.42%	0.00%	0.54%	12.3%	11.4%	11.7%
29-Nov-08	1420	113	0.932	1580	74.7	9.66		1640	7.96%	0.07%	5.26%	0.00%	0.68%	7.15%	0.06%	4.73%	0.00%	0.61%	6.89%	0.06%	4.55%	0.00%	0.59%	14.0%	12.6%	12.1%
30-Nov-08	1430	118	0.917	1500	72	9.87		1470	8.25%	0.06%	5.03%	0.00%	0.69%	7.87%	0.06%	4.80%	0.00%	0.66%	8.03%	0.06%	4.90%	0.00%	0.67%	14.0%	13.4%	13.7%
1-Dec-08	1580	123	0.906	1550	70.7	10.2		1560	7.78%	0.06%	4.47%	0.00%	0.65%	7.94%	0.06%	4.56%	0.00%	0.66%	7.88%	0.06%	4.53%	0.00%	0.65%	13.0%	13.2%	13.1%
2-Dec-08	1570	118	0.891	1680	69.2	10.1		1680	7.52%	0.06%	4.41%	0.00%	0.64%	7.02%	0.05%	4.12%	0.00%	0.60%	7.02%	0.05%	4.12%	0.00%	0.60%	12.6%	11.8%	11.8%
3-Dec-08	1680	108	0.884	1750	67.8	10.2		1720	6.43%	0.05%	4.04%	0.00%	0.61%	6.17%	0.05%	3.87%	0.00%	0.58%	6.28%	0.05%	3.94%	0.00%	0.59%	11.1%	10.7%	10.9%
4-Dec-08	1640	91.5	0.877	1780	66.1	9.87		1770	5.58%	0.05%	4.03%	0.00%	0.60%	5.14%	0.05%	3.71%	0.00%	0.55%	5.17%	0.05%	3.73%	0.00%	0.56%	10.3%	9.5%	9.5%
5-Dec-08	1670	83.3	0.867	1760	63.8	9.76		1740	4.99%	0.05%	3.82%	0.00%	0.58%	4.73%	0.05%	3.63%	0.00%	0.55%	4.79%	0.05%	3.67%	0.00%	0.56%	9.4%	9.0%	9.1%
6-Dec-08	1630		0.86	1740	62.4	9.85		1720	0.00%	0.05%	3.83%	0.00%	0.60%	0.00%	0.05%	3.59%	0.00%	0.57%	0.00%	0.05%	3.63%	0.00%	0.57%	4.5%	4.2%	4.3%
7-Dec-08	1620		0.853	1730	60.9	10.6		1720	0.00%	0.05%	3.76%	0.00%	0.65%	0.00%	0.05%	3.52%	0.00%	0.61%	0.00%	0.05%	3.54%	0.00%	0.62%	4.5%	4.2%	4.2%
8-Dec-08	1640		0.846	1710	59.1	11		1700	0.00%	0.05%	3.60%	0.00%	0.67%	0.00%	0.05%	3.46%	0.00%	0.64%	0.00%	0.05%	3.48%	0.00%	0.65%	4.3%	4.1%	4.2%

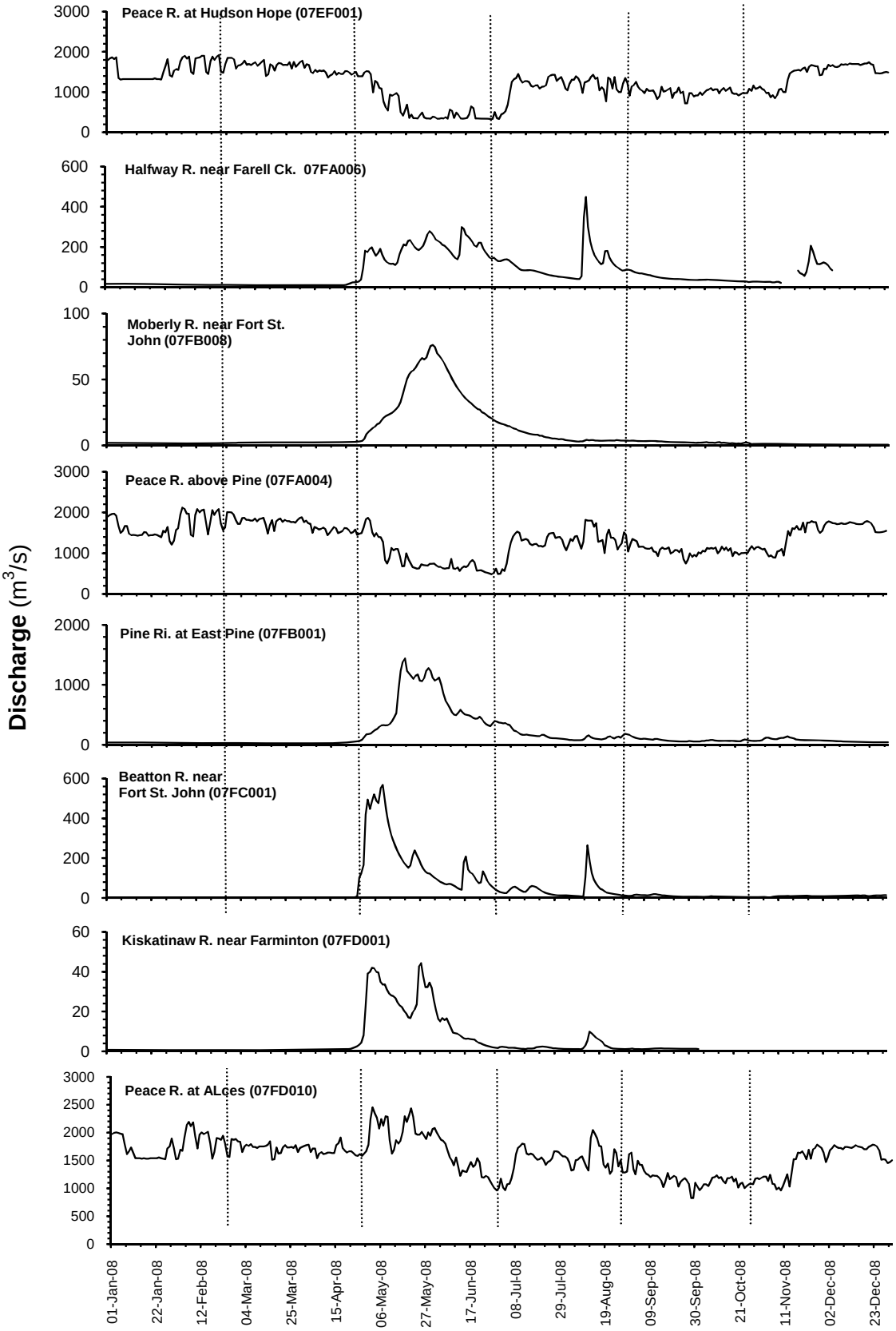
Appendix J2: Water Survey of Canada data for Peace River and gauged tributaries on the Peace River for 2008. All data is in m3/s and is preliminary and subject to revision by WSC.

Date	Discharge by Stream (WSC Stations)								% Discharge of Tributaries Relative to Peace R. Flows @ Hudson's Hope					% Discharge of Tributaries Relative to Peace R. Flows above the Pine River					% Discharge of Tributaries Relative to Peace R. Flows @ ALCES					Cummulative % Tributary Discharge compared to Peace R.		
	Peace R. @ Hudson Hope	Halfway R. Discharge	Moberly R. Discharge	Peace R. @ Pine	Pine R. @ East Pine	Beatton R. Discharge	Kiskatinaw R. @ Farmington	Peace R. @ Alces	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Halfway R. Discharge	Moberly R. Discharge	Pine R. Discharge	Kiskatinaw R. @ Farmington	Beatton R. Discharge	Peace R. @ Hudson Hope	Peace R. @ Pine	Peace R. @ Alces
9-Dec-08	1690		0.84	1720	57.3	11.5		1740	0.00%	0.05%	3.39%	0.00%	0.68%	0.00%	0.05%	3.33%	0.00%	0.67%	0.00%	0.05%	3.29%	0.00%	0.66%	4.1%	4.0%	4.0%
10-Dec-08	1680		0.833	1740	55.9	11.8		1740	0.00%	0.05%	3.33%	0.00%	0.70%	0.00%	0.05%	3.21%	0.00%	0.68%	0.00%	0.05%	3.21%	0.00%	0.68%	4.1%	3.9%	3.9%
11-Dec-08	1690		0.83	1720	54.6	11.9		1730	0.00%	0.05%	3.23%	0.00%	0.70%	0.00%	0.05%	3.17%	0.00%	0.69%	0.00%	0.05%	3.16%	0.00%	0.69%	4.0%	3.9%	3.9%
12-Dec-08	1680		0.823	1720	53.4	12.1		1720	0.00%	0.05%	3.18%	0.00%	0.72%	0.00%	0.05%	3.10%	0.00%	0.70%	0.00%	0.05%	3.10%	0.00%	0.70%	3.9%	3.9%	3.9%
13-Dec-08	1710		0.82	1740	52.1	12.2		1740	0.00%	0.05%	3.05%	0.00%	0.71%	0.00%	0.05%	2.99%	0.00%	0.70%	0.00%	0.05%	2.99%	0.00%	0.70%	3.8%	3.7%	3.7%
14-Dec-08	1700		0.813	1760	50.9	12.2		1770	0.00%	0.05%	2.99%	0.00%	0.72%	0.00%	0.05%	2.89%	0.00%	0.69%	0.00%	0.05%	2.88%	0.00%	0.69%	3.8%	3.6%	3.6%
15-Dec-08	1700		0.81	1750	49.7	12.7		1750	0.00%	0.05%	2.92%	0.00%	0.75%	0.00%	0.05%	2.84%	0.00%	0.73%	0.00%	0.05%	2.84%	0.00%	0.73%	3.7%	3.6%	3.6%
16-Dec-08	1700		0.801	1740	49.1	13		1740	0.00%	0.05%	2.89%	0.00%	0.76%	0.00%	0.05%	2.82%	0.00%	0.75%	0.00%	0.05%	2.82%	0.00%	0.75%	3.7%	3.6%	3.6%
17-Dec-08	1700		0.791	1720	48.5	13.3		1730	0.00%	0.05%	2.85%	0.00%	0.78%	0.00%	0.05%	2.82%	0.00%	0.77%	0.00%	0.05%	2.80%	0.00%	0.77%	3.7%	3.6%	3.6%
18-Dec-08	1670		0.782	1710	47.6	13.3		1700	0.00%	0.05%	2.85%	0.00%	0.80%	0.00%	0.05%	2.78%	0.00%	0.78%	0.00%	0.05%	2.80%	0.00%	0.78%	3.7%	3.6%	3.6%
19-Dec-08	1690		0.779	1710	46.6	12.7		1700	0.00%	0.05%	2.76%	0.00%	0.75%	0.00%	0.05%	2.73%	0.00%	0.74%	0.00%	0.05%	2.74%	0.00%	0.75%	3.6%	3.5%	3.5%
20-Dec-08	1710		0.776	1720	45.9	13.3		1740	0.00%	0.05%	2.68%	0.00%	0.78%	0.00%	0.05%	2.67%	0.00%	0.77%	0.00%	0.04%	2.64%	0.00%	0.76%	3.5%	3.5%	3.4%
21-Dec-08	1710		0.773	1770	45.1	13.2		1760	0.00%	0.05%	2.64%	0.00%	0.77%	0.00%	0.04%	2.55%	0.00%	0.75%	0.00%	0.04%	2.56%	0.00%	0.75%	3.5%	3.3%	3.4%
22-Dec-08	1740		0.77	1790	44.2	11.6		1780	0.00%	0.04%	2.54%	0.00%	0.67%	0.00%	0.04%	2.47%	0.00%	0.65%	0.00%	0.04%	2.48%	0.00%	0.65%	3.3%	3.2%	3.2%
23-Dec-08	1690		0.763	1770	43.4	10		1770	0.00%	0.05%	2.57%	0.00%	0.59%	0.00%	0.04%	2.45%	0.00%	0.56%	0.00%	0.04%	2.45%	0.00%	0.56%	3.2%	3.1%	3.1%
24-Dec-08	1680		0.76	1730	43.2	11.2		1750	0.00%	0.05%	2.57%	0.00%	0.67%	0.00%	0.04%	2.50%	0.00%	0.65%	0.00%	0.04%	2.47%	0.00%	0.64%	3.3%	3.2%	3.2%
25-Dec-08	1470		0.754	1650	42.8	13.1		1680	0.00%	0.05%	2.91%	0.00%	0.89%	0.00%	0.05%	2.59%	0.00%	0.79%	0.00%	0.04%	2.55%	0.00%	0.78%	3.9%	3.4%	3.4%
26-Dec-08	1470		0.751	1520	42.4	13.3		1510	0.00%	0.05%	2.88%	0.00%	0.90%	0.00%	0.05%	2.79%	0.00%	0.88%	0.00%	0.05%	2.81%	0.00%	0.88%	3.8%	3.7%	3.7%
27-Dec-08	1460		0.749	1510	41.9	13.5		1520	0.00%	0.05%	2.87%	0.00%	0.92%	0.00%	0.05%	2.77%	0.00%	0.89%	0.00%	0.05%	2.76%	0.00%	0.89%	3.8%	3.7%	3.7%
28-Dec-08	1470		0.746	1510	41.5	14.2		1510	0.00%	0.05%	2.82%	0.00%	0.97%	0.00%	0.05%	2.75%	0.00%	0.94%	0.00%	0.05%	2.75%	0.00%	0.94%	3.8%	3.7%	3.7%
29-Dec-08	1490		0.743	1520	41.1	14.3		1450	0.00%	0.05%	2.76%	0.00%	0.96%	0.00%	0.05%	2.70%	0.00%	0.94%	0.00%	0.05%	2.83%	0.00%	0.99%	3.8%	3.7%	3.9%
30-Dec-08	1500		0.743	1530	40.9	14.9		1470	0.00%	0.05%	2.73%	0.00%	0.99%	0.00%	0.05%	2.67%	0.00%	0.97%	0.00%	0.05%	2.78%	0.00%	1.01%	3.8%	3.7%	3.8%
31-Dec-08	1490		0.74	1550	40.5	15.5		1500	0.00%	0.05%	2.72%	0.00%	1.04%	0.00%	0.05%	2.61%	0.00%	1.00%	0.00%	0.05%	2.70%	0.00%	1.03%	3.8%	3.7%	3.8%
MAD	**1228**	**74.3**	**9.2**	**1348**	**175.2**	**45.0**	**5.6**	**1567**	**6.0%**	**0.7%**	**14.3%**	**0.5%**	**3.7%**	**5.5%**	**0.7%**	**13.0%**	**0.4%**	**3.3%**	**4.7%**	**0.59%**	**11.2%**	**2.9%**	**2.9%**	25.2%	22.9%	19.7%
Jan	1441	15.2	2.0	1553	37.4	1.2	0.8	1676	1.1%	0.1%	2.6%	0.1%	0.1%	0.98%	0.13%	2.41%	0.05%	0.07%	0.9%	0.12%	2.2%	0.0%	0.1%	3.9%	3.6%	3.4%
Feb	1736	11.1		1844	28.8	1.0	0.7	1862	0.6%	0.0%	1.7%	0.0%	0.1%	0.60%	0.00%	1.56%	0.04%	0.05%	0.6%	0.00%	1.5%	0.0%	0.1%	2.4%	2.3%	2.2%
Mar	1671	9.5	2.4	1781	26.8	1.0	0.8	1721	0.6%	0.1%	1.6%	0.0%	0.1%	0.53%	0.14%	1.51%	0.04%	0.06%	0.6%	0.14%	1.6%	0.0%	0.1%	2.4%	2.3%	2.4%
Apr	1508	12.9	2.7	1601	35.1	9.2	1.4	1669	0.9%	0.2%	2.3%	**0.1%**	0.6%	0.80%	**0.17%**	2.19%	**0.09%**	**0.57%**	0.8%	0.16%	2.1%	0.1%	0.5%	**4.1%**	**3.8%**	**3.7%**
May	780	175.3	35.7	1055	723.7	305.9	29.5	2065	**22.5%**	**4.6%**	**92.8%**	**3.8%**	**39.2%**	**16.62%**	**3.39%**	**68.60%**	**2.80%**	**28.99%**	8.5%	**1.73%**	**35.1%**	1.4%	**14.8%**	**162.9%**	**120.4%**	**61.5%**
June	388	209.2	43.9	648	621.2	94.4	10.9	1446	**54.0%**	**11.3%**	**160.2%**	2.8%	**24.4%**	**32.30%**	**6.78%**	**95.91%**	**1.69%**	**14.58%**	**14.5%**	**3.04%**	**43.0%**	0.8%	**6.5%**	**252.6%**	**151.3%**	**67.8%**
July	1077	93.4	10.6	1153	212.9	37.4	1.9	1472	**8.7%**	**1.0%**	**19.8%**	0.2%	**3.5%**	**8.10%**	0.92%	**18.46%**	0.16%	3.24%	6.3%	0.72%	**14.5%**	0.1%	2.5%	33.1%	30.9%	24.2%
Aug	1212	124.7	3.9	1385	108.7	43.4	3.0	1527	10.3%	0.3%	9.0%	0.2%	3.6%	9.00%	0.28%	7.85%	0.22%	3.13%	8.2%	0.25%	**7.1%**	0.2%	2.8%	23.4%	20.5%	18.6%
Sept	1014	54.5	3.1	1097	88.7	12.9	1.4	1203	5.4%	0.3%	8.8%	0.1%	1.3%	4.97%	0.29%	8.09%	0.13%	1.18%	4.5%	0.26%	7.4%	0.1%	1.1%	15.9%	14.7%	13.4%
Oct	1011	32.0	2.0	1046	66.8	7.1	1.3	1111	3.2%	0.2%	6.6%	0.1%	0.7%	3.06%	0.19%	6.39%	0.13%	0.67%	2.9%	0.18%	6.0%	0.1%	0.6%	10.8%	10.4%	9.8%
Nov	996	25.3	1.4	1042	94.6	5.3	#DIV/0!	1124	2.5%	0.1%	9.5%	#DIV/0!	0.5%	2.43%	0.13%	9.08%	#DIV/0!	0.51%	2.3%	0.12%	8.4%	#DIV/0!	0.5%	#DIV/0!	#DIV/0!	#DIV/0!
Dec	1623	107.0	0.8	1681	52.2	12.1	#DIV/0!	1674	6.6%	0.0%	3.2%	#DIV/0!	0.7%	6.36%	0.05%	3.11%	#DIV/0!	0.72%	6.4%	0.05%	3.1%	#DIV/0!	0.7%	#DIV/0!	#DIV/0!	#DIV/0!

Appendix J3: Discharge curves at WSC stations located on the Peace River and its tributaries for 2007.



Appendix J4: Discharge curves at WSC stations located on the Peace River and its tributaries for 2008.



Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
1		990	602	1600	1430	1380	1700		958	1920	1460	1430	1770	1700	1690	1820	1640	1360	1560	1920	1380	1280	1480	1720	1570	1740	1550	1230	1490	1900
2		910	753	1050	1430	1400	1700		957	1940	1450	1510	1760	1740	1700	1800	1630	1370	1650	1880	1360	1300	1440	1660	1740	1710	1540	1320	1410	1940
3		1200	781	1110	1360	1420	1710		957	1990	1450	1610	1800	1870	1730	1790	1650	1400	1690	1890	1350	1350	1440	1630	1720	1750	1550	1580	1320	1960
4		1260	745	1250	1360	1280	1800		958	1770	1470	1610	1820	1850	1780	1920	1710	1420	1770	1870	1400	1340	1260	1640	1520	1780	1600	1660	1460	1970
5		1410	721	1490	1350	1000	1830		1010	1970	1460	1590	1810	1850	1820	1960	1790	1420	1800	1930	1350	1330	1260	1580	1570	1840	1720	1490	1450	1920
6		1500	790	1790	1330	880	1780		1090	1840	1450	1570	1860	1490	1830	1980	1640	1400	1720	1830	1370	1450	1340	1580	1730	1690	1700	1600	1490	1660
7		1400	857	1800	1280	1070	1890		1110	1840	1460	1610	1850	1450	1820	1950	1620	1380	1530	1760	1390	1450	1340	1620	1810	1630	1620	1510	1490	1500
8		1230	882	1760	1050	950	1730		1280	1970	1440	1630	1910	1400	1800	1820	1600	1310	1520	1550	1380	1430	1450	1600	1820	1580	1290	1560	1470	1540
9		1320	761	1800	985	880	1490		1330	1820	1450	1660	1920	1340	1750	1700	1570	1290	1520	1540	1360	1440	1360	1600	1800	1630	1210	1580	1500	1670
10		1330	727	1720	1000	1070	1280		1320	2080	1430	1680	1550	1270	1770	1690	1580	1250	1430	1520	1370	1480	1340	1590	1900	1630	1240	1680	1530	1670
11		1320	608	1730	1010	990	1040		1320	1930	1400	1640	1180	1110	1850	1690	1700	1230	1520	1540	1370	1460	1470	1580	1940	1630	1170	1650	1400	1480
12		1300	722	1750	945	925	900		1300	1900	1390	1600	1050	1400	1920	1680	1620	1240	1520	1530	1380	1440	1540	1580	1730	1650	1110	1340	1480	1440
13		1320	623	1740	863	925	890		1300	1910	1320	1600	1050	1630	1910	1680	1630	1250	1590	1530	1350	1460	1450	1570	1740	1640	1130	1410	1530	1450
14		1450	488	1730	865	970	820		1370	1910	1290	1570	1050	1540	1900	1690	1640	1260	1650	1520	1380	1440	1540	1600	1900	1650	1110	1250	1680	1440
15		1580	563	1720	750	965	580		1420	1800	1300	1590	790	1580	1950	1700	1630	1280	1610	1540	1440	1440	1590	1590	1770	1620	1060	966	1720	1430
16		1500	695	1720	650	1160	670		1550	2010	1280	1580	774	1540	1920	1700	1630	1300	1660	1540	1410	1480	1680	1530	1880	1610	1080	1170	1490	1440
17		1290	714	1720	680	1280	710		1500	1970	1300	1620	775	1750	1920	1720	1640	1310	1710	1540	1410	1490	1670	1570	1950	1660	1170	1490	1490	1450
18		1110	678	1710	870	1400	680		1560	1920	1380	1650	779	1970	1910	1670	1660	1320	1460	1540	1460	1480	1510	1560	1910	1620	1190	1430	1510	1520
19		1110	685	1700	848	1510	630		1570	1930	1430	1640	749	1850	1910	1720	1610	1350	1450	1540	1490	1450	1530	1560	1910	1620	1150	1570	1510	1510
20		1100	674	1710	862	1600	470		1580	1960	1440	1590	739	2110	1900	1750	1570	1380	1420	1530	1480	1450	1520	1570	1870	1630	1080	1690	1480	1430
21		970	608	1740	720	1530	640		1530	1920	1450	1600	742	2040	1900	1700	1560	1400	1410	1530	1390	1460	1520	1530	1860	1640	1160	1630	1500	1440
22		1120	682	1800	760	1500	660		1590	2020	1400	1620	731	2000	1900	1720	1580	1440	1400	1540	1270	1470	1530	1540	1730	1620	1350	1520	1500	1440
23		1010	490	1800	500	1600	700		1700	2040	1430	1640	801	1380	1900	1740	1600	1480	1400	1520	1370	1480	1540	1550	1710	1620	1390	1530	1470	1460
24		980	601	1720	550	1410	910		1660	2060	1420	1660	890	1250	1910	1730	1630	1410	1410	1530	1410	1490	1560	1560	1600	1610	1200	1550	1420	1450
25		1030	623	1730	600	1140	880		1640	2050	1440	1630	924	1920	1930	1730	1710	1300	1380	1530	1480	1470	1520	1560	1580	1490	1220	1600	1500	1420
26		1300	533	1750	555	1290	820		1680	1950	1560	1590	851	1910	2040	1740	1520	1200	1390	1490	1510	1470	1530	1560	1600	1430	1080	1670	1490	1390
27		1580	650	1720	475	1160	680		1680	1920	1610	1520	755	1890	2050	1750	1450	1200	1380	1490	1590	1460	1540	1570	1580	1440	1160	1710	1490	1550
28		1590	716	1690	470	850	990		1680	1990	1590	1530	869	1880	2000	1760	1410	1210	1320	1480	1550	1540	1500	1570	1610	1460	1160	1610	1480	1510
29		1580	768	1610	445	990	1070		1700	2130	1570	1540	1170	1880	1980	1750	1380	1270	1270	1460	1580	1480	1490	1560	1600	1450	1100	1690	1500	1640
30		1580	761	1620	460	1230	1100		1750	2030	1560	1520	1440	1870	2000	1740	1400	1290	1250	1470	1630	1490	1510	1580	1610	1480	1190	1610	1650	1300
31		1550	847	1630	438	1180	1240		1660	1860	1560	1500	1480	1870	2020	1730	1350	1300	1240	1480	1650	1510	1490	1580	1610	1690	1000	1490	1680	1210
32		1410	894	1610	435	1100	1390		1660	1890	1600	1490	1160	1880	1980	1710	1320	1300	1240	1470	1650	1500	1470	1560	1580	1790	1100	1460	1760	1310
33		1100	1070	1660	439	1040	1320		1670	1930	1700	1500	830	1890	1830	1690	1300	1300	1250	1470	1630	1500	1500	1500	1580	1720	1120	1480	1800	1570
34		770	1430	1700	442	1280	1100		1710	1940	1810	1530	750	1900	1740	1660	1250	1300	1320	1470	1650	1510	1510	1510	1590	1730	1140	1350	1790	1610
35		730	1330	1710	460	1210	1200		1760	1830	1830	1580	720	1910	1770	1690	1240	1300	1430	1480	1790	1480	1480	1510	1590	1720	1310	1150	1780	1950
36		780	1440	1640	520	1110	1260		1720	1840	1820	1580	660	1770	1840	1720	1230	1300	1420	1490	1770	1490	1490	1490	1600	1740	1220	1130	1770	2120
37		820	1480	1570	601	1270	1210		1760	1810	1810	1590	750	1850	1740	1700	1220	1310	1260	1480	1760	1490	1480	1510	1620	1740	1330	1200	1530	2090
38		850	1580	1500	600	1220	1190		1700	1820	1810	1620	730	1930	1740	1550	1210	1310	1240	1480	1730	1510	1500	1520	1620	1790	1440	1170	1580	1970
39		900	1390	1510	599	1160	1120		1700	1840	1800	1600	670	1980	1730	1570	1200	1310	1250	1490	1730	1500	1520	1650	1620	1760	1510	1200	1580	1970
40		900	1370	1700	600	980	1180		1720	1820	1820	1430	680	1960	1700	1620	1190	1310	1240	1490	1780	1470	1540	1660	1610	1770	1310	1190	1510	1450
41		925	1600	1750	600	860	1250		1790	1860	1650	1440	660	1930	1650	1650	1180	1300	1240	1460	1930	1480	1520	1800	1620	1810	1330	1410	1630	1410
42		1030	1660	1750	600	830	1260		1720	1930	1590	1420	740	1920	1660	1830	1230	1300	1250	1470	1930	1500	1510	1830	1630	1780	1300	1490	1480	1930
43		1020	1690	1750	600	860	1220		1760	1910	1550	1500	850	1910	1670	2070	1400	1320	1240	1470	1940	1540	1480	1890	1620	1850	1320	1480	1570	2080
44		1070	1640	1750	600	950	1150		1790	2010	1700	1540	900	1940	1670	1820	1500	1310	1230	1500	1770	1790	1430	1900	1620	1810	1300	1500	1660	2000
45		1150	1640	1640	600	980	1080		1680	1960	1650	1570	920	1800	1660	1770	1340	1310	1230	1500	1710	1770	1520	1900	1620	1770	1340	1480	1710	2050
46		1200	1280	1650	599	910	980		1730	1910	1650	1560	820	1740	1650	1670	1270	1300	1230	1480	1800	1800	1510	1910	1630	1790	1300	1510	1790	2070
47		1270	1300	1720	597	800	940		1820	1880	1710	1530	700	1750	1700	1780	1200	1300	1250	1500	1830	1790	1530	1900	1620	1650	1300	1480	1760	1770
48		1300	1360	1700	592	830	930		1800	1870	1740	1500	580	1770	1830	1690	1050	1300	1230	1480	1810	1740	1510	1910	1600	1710	1310	1520	1740	1460
49		1160	1140	1510	596	840	940		1770	1880	1730	1470	630	1830	1880	1650	950	1300	1250	1480	1900	1850	1510	1770	1610	1690	1490	1490	1330	1760
50		990	835	1350	599	820	960		1780	1870	1720	1430	700	1780	1890	1910	900	1300	1240	1480	1920	1860	1530	1720	1630	1490	1650	1480	1600	2060

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
51		1040	589	1210	606	770	990		1790	1850	1590	1390	800	1820	1880	1780	970	1310	1220	1480	1740	1820	1500	1720	1600	1480	1660	1520	1690	1940
52		1190	645	1130	604	728	1020		1810	1830	1530	1370	790	1800	1880	1720	920	1310	1190	1480	1690	1800	1520	1720	1560	1570	1570	1480	1690	2030
53		1270	570	1110	602	718	970		1790	1810	1220	1350	820	1820	1870	1670	900	1310	1170	1480	1750	1800	1520	1700	1600	1650	1620	1500	1660	2080
54		1210	805	1180	602	700	950		1810	1810	1090	1330	700	1860	1870	1690	895	1320	1160	1500	1690	1800	1510	1650	1620	1450	1570	1480	1680	1740
55		1170	855	1200	604	660	940		1790	1810	1170	1240	580	1880	1860	1760	900	1320	1170	1470	1780	1800	1500	1580	1600	1460	1230	1420	1690	1570
56		1200	810	1120	620	645	940		1760	1820	1090	1280	650	1890	1860	1690	905	1350	1180	1310	1570	1800	1460	1640	1630	1580	1340	1340	1710	1630
57		1230	960	1110	505	720	950		1840	1810	1070	1250	770	1890	1910	1640	960	1380	1170	1320	1400	1770	1480	1640	1600	1630	1690	1480	1680	2010
58		1170	1130	1100	425	760	980		1780	1780	1300	1210	810	1820	1960	1620	1000	1340	1170	1260	1330	1710	1490	1640	1610	1680	1630	1370	1610	2010
59		950	1480	1110	435	720	1050		1870	1820	1410	1290	800	1160	1990	1800	950	1310	1170	1260	1310	1750	1490	1640	1610	1560	1630	1390	1750	2000
60		760	1420	1130	500	640	1000		1760	1810	1620	1300	1000	1110	1990	1730	910	1300	1170	1260	1280	1740	1540	1640	1600	1600	1490	1180	1740	1950
61		800	1390	1100	520	635	1330		1770	1850	1610	1440	1090	1120	1960	1710	905	1290	1210	1300	1230	1730	1520	1620	1600	1580	1460	1160	1680	1810
62		930	1500	1020	502	640	1400		1780	1870	1440	1340	1070	1140	1900	1720	910	1280	1320	1350	1250	1760	1490	1660	1600	1510	1460	1170	1610	1720
63		900	1560	925	500	660	1470		1590	1830	1410	962	1130	1110	1930	1720	925	1270	1400	1450	1270	1780	1540	1660	1610	1690	1460	1170	1310	1720
64		755	1660	956	500	645	1380		1680	1850	1510	973	1210	1110	1970	1710	940	1280	1440	1470	1180	1790	1530	1560	1600	1720	1470	1160	1320	1860
65		795	1570	970	504	650	1230		1650	1850	1460	1290	1280	1110	1870	1680	930	1290	1530	1470	1120	1830	1500	1540	1600	1570	1480	1170	1480	1870
66		750	1550	930	508	663	1180		1810	1830	1620	913	1250	1110	1820	1700	900	1300	1430	1400	1090	1830	1490	1540	1600	1520	1130	1180	1550	1820
67		710	1460	900	503	635	1320		1780	1830	1490	1000	1310	1110	1960	1680	930	1300	1410	1320	1200	1820	1510	1560	1660	1560	1190	1170	1560	1820
68		500	1550	920	502	600	1550		1770	1850	1500	1030	1250	1100	1950	1680	910	1310	1410	1370	1280	1690	1490	1570	1670	1620	1210	1170	1600	1800
69		480	1520	900	500	658	1550		1770	1790	1410	1050	957	1230	1940	1640	895	1300	1450	1510	1190	1830	1490	1520	1690	1510	1020	1160	1420	1800
70		515	1500	960	504	640	1570		1790	1860	1140	870	1110	1330	1970	1690	890	1290	1590	1470	1180	1820	1500	1520	1700	1490	863	1160	1500	1850
71		690	1500	960	507	650	1580		1790	1810	1110	913	1510	1330	1960	1670	895	1280	1670	1460	1240	1700	1500	1520	1800	1380	897	1180	1500	1780
72		700	1520	910	509	682	1590		1750	1820	1200	996	1470	1330	1840	1660	880	1270	1680	1440	1190	1700	1490	1530	1810	1510	719	1180	1350	1840
73		880	1680	900	503	670	1600		1840	1800	1300	805	1510	1340	1820	1660	870	1270	1670	1340	1160	1710	1510	1540	1830	1540	715	1160	1340	1850
74		850	1640	910	502	638	1590		1750	1790	1240	777	1470	1340	1900	1690	885	1270	1670	1280	1280	1510	1510	1540	1740	1370	818	1090	1380	1870
75		825	1630	960	500	670	1580		1780	1860	1250	774	1350	1330	2000	1690	890	1270	1670	1370	1260	1520	1460	1530	1660	1350	924	963	1500	1700
76		800	1520	1160	500	750	1540		1750	1850	1290	846	890	1360	2020	1680	895	1260	1660	1420	1280	1630	1480	1490	1660	1490	898	1040	1190	1480
77		1070	1520	1170	490	780	1520		1750	1850	1120	766	1140	1720	2000	1660	895	1260	1630	1390	1300	1650	1330	1470	1630	1450	974	1120	904	1680
78		1050	1490	1030	450	758	1550		1770	1880	915	1120	1300	1730	1800	1660	890	1250	1510	1390	1260	1680	1280	1480	1680	1450	969	1070	1100	1810
79		935	1550	1050	441	720	1500		1770	1860	885	1180	1130	1770	1700	1650	900	1250	1360	1400	1250	1660	1280	1490	1730	1570	973	1080	1140	1540
80		705	1580	1080	455	770	1390		1720	1750	1070	1440	1320	2040	1680	1650	940	1240	1320	1320	1180	1660	1290	1500	1780	1410	980	1060	1270	1780
81		700	1590	1070	535	757	1500		1750	1830	1210	1260	1500	2040	1670	1630	915	1230	1240	1260	1230	1540	1280	1510	1860	1120	965	1070	1180	1830
82		650	1590	1000	472	728	1490		1770	1850	1260	1510	1310	1960	1670	1650	890	1210	1220	1340	1310	1530	1260	1530	1790	1190	1170	1080	1110	1850
83		590	1530	970	480	690	1600		1700	1860	1440	1530	1210	1980	1660	1650	875	1200	1280	1410	1340	1600	1200	1500	1740	1030	1100	1100	1060	1770
84		830	1360	960	490	620	1630		1830	1890	1660	1270	1260	2240	1660	1670	860	1180	1380	1300	1460	1620	1050	1500	1820	887	1120	1090	908	1820
85		815	1510	1000	440	520	1590		1770	1860	1560	1120	1260	1870	1650	1630	790	1170	1240	1190	1550	1530	1050	1510	1690	1030	1130	1090	1120	1790
86		860	1510	1160	422	550	1560		1770	1870	1610	1250	1300	1880	1600	1670	774	1160	1250	1170	1630	1410	1000	1500	1650	1520	1120	1100	1160	1790
87		1000	1510	1300	460	525	1600		1810	1690	1600	1360	1370	1860	1500	1690	711	1160	1250	1140	1650	1410	1020	1540	1540	1600	1120	1090	1130	1760
88		790	1520	1300	580	590	1700		1810	1800	1610	1310	1240	1880	1420	1590	566	1150	1250	1150	1660	1520	1020	1540	1460	1160	1170	1100	1040	1770
89		600	1540	1310	435	530	1600		1850	1860	1620	1070	992	1900	1380	1600	519	1150	1220	1170	1660	1530	975	1540	1460	1020	1130	1100	1020	1750
90		675	1550	1310	490	545	1380		1870	1840	1630	1060	656	1920	1360	1610	545	1150	1240	1260	1620	1250	1080	1560	1440	919	1300	1170	999	1820
91		640	1560	1300	375	520	1500		1870	1860	1670	800	603	1910	1650	1410	545	1160	1340	1290	1610	1090	985	1720	1460	936	1310	1160	1050	1860
92		875	1580	1300	325	620	1550		1880	1790	1710	1030	938	1900	1720	1390	532	1170	1530	1290	1670	1130	1050	1910	1470	1170	1310	1140	1160	1880
93		805	1790	1300	320	680	1520		1890	1840	1600	1380	1120	1840	1710	1380	528	1170	1550	1360	1440	1080	1230	1960	1560	1110	1320	1240	1260	1760
94		700	1280	1300	320	665	1510		1910	1850	1520	1270	1080	1860	1710	1380	519	1180	1560	1430	1370	1220	1350	2020	1550	1260	1300	1350	1090	1800
95		640	1590	1300	320	743	1580		1870	1830	1420	1120	1120	1910	1720	1390	522	1180	1490	1260	1280	1220	1430	1830	1530	926	1470	1210	1200	1740
96		570	1580	1300	322	642	1630		1930	1730	1350	1040	919	1920	1590	1360	665	1190	1500	1320	1480	1400	1580	1820	1500	1090	1450	1090	1130	1720
97		570	1570	1260	311	855	1700		1950	1560	1280	945	633	1870	1520	1300	800	1190	1340	1400	1470	1520	1560	1680	1510	1300	1320	1230	1010	1500
98		565	1580	1230	428	730	1700		1920	1550	1200	866	839	1850	1460	1250	782	1200	1390	1470	1510	1320	1520	1990	1520	1110	1520	1020	1140	1640
99		565	1580	1260	418	880	1590		1950	1570	1060	1010	1110	1820	1470	1250	680	1200	1390	1520	1510	636	1640	1950	1540	1060	1420	988	1260	1620
100		535	1530	1230	393	1030	1630		1880	1580	1170	1350	1070	1810	1440	1110	765	1210	1410	1520	1440	600	1570	1770	1520	839	1080	1150	1330	1580

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
101		560	1550	1260	384	1090	1700		1960	1500	1230	1510	1020	1820	1290	1320	948	1220	1470	1510	1300	820	1570	1560	1430	437	1210	1210	1270	1600
102		595	1530	1290	940	1140	1690		1960	1480	1210	1400	990	1850	1190	1460	1100	1210	1410	1500	1480	1000	1650	1590	1460	655	1230	1120	1330	1630
103		635	1540	1250	1000	1250	1500		2060	1540	1370	1070	754	1890	1570	1330	932	1180	1370	1490	1500	760	1570	1310	1410	743	1310	1070	1470	1590
104		600	1490	1140	553	1260	1380		1990	1620	1150	1090	650	1920	1680	1340	733	1190	1400	1480	1530	800	1420	1230	1460	948	1370	1060	1010	1440
105		535	1520	1110	624	1210	1390		2050	1770	808	1260	1040	1900	1570	1360	612	1200	1460	1520	1500	1030	1370	1280	1450	947	1360	864	685	1500
106		595	1470	1070	788	1230	1420		2080	1790	1020	1260	1080	1980	1620	900	614	1230	1470	1510	1500	950	1360	1140	1250	1090	1340	926	371	1570
107		630	1490	1090	767	1280	1430		2040	1780	1150	1130	926	1950	1620	568	623	1300	1460	1550	1400	1000	1320	980	1240	1060	1280	1040	362	1640
108		655	1500	1030	783	1390	1440		2030	1700	1240	874	1070	1910	1580	829	790	1350	1360	1570	1280	1100	1310	935	1240	881	1280	1110	371	1610
109		695	1540	1140	827	1420	1480		2030	1770	1200	958	1060	1970	1650	952	814	1400	1230	1580	1480	1250	1050	1010	1420	708	1280	1130	861	1490
110		800	1550	1180	826	1410	1410		2040	1770	1120	908	805	2020	1690	823	903	1500	1250	1590	1550	1300	1080	920	1540	1020	1280	971	928	1520
111		880	1540	1150	742	1240	1400		2020	1690	1040	1140	539	2000	1590	781	954	1710	1370	1610	1480	1190	1170	763	1570	1020	1200	1070	839	1540
112		825	1550	1170	823	1140	1490		1990	1590	674	974	755	2010	1560	1080	885	1700	1300	1630	1450	1050	1200	1020	1770	975	1350	1110	674	1620
113		920	1520	1110	838	770	1700		1990	1710	735	1240	990	2060	1690	1290	834	1700	1480	1600	1280	935	1460	1120	1710	942	1330	872	1280	1610
114		820	1560	1180	731	703	1740		2060	1690	820	1440	1120	2040	1640	886	796	1720	1370	1630	1090	1120	1530	1190	1660	991	884	807	1260	1570
115		784	1590	1200	747	1100	1700		2060	1680	750	1240	1230	1990	1540	997	733	1800	1220	1730	968	1270	1430	1060	1750	1020	943	830	1250	1490
116		739	1550	1200	881	1110	1720		2030	1720	660	1050	1100	1940	1550	1010	442	1900	1400	1150	1520	1300	1110	982	1510	1080	1100	816	1320	1520
117		609	1360	1240	669	1150	1720		1790	1760	630	1200	1120	1870	1460	740	431	1980	1460	1290	1620	1240	1280	758	1310	1340	840	847	1460	1580
118		433	905	1170	777	1230	1570		1630	1720	670	1350	858	1860	1480	657	507	2340	1640	1350	1640	1240	1210	781	1300	1310	832	714	1340	1450
119		420	695	1220	647	1320	1560		1690	1710	655	1270	1250	1880	1330	630	475	2300	1900	1390	1550	1300	809	1220	1470	1370	876	643	1080	1480
120		569	703	1210	635	1220	1620		1670	1700	644	1270	1390	1940	1310	780	435	2260	1860	1460	1480	1140	1140	1240	1090	1240	664	582	967	1490
121		356	725	834	543	1280	1450		1740	1710	714	1080	1020	1860	1220	500	440	2250	1870	1320	1100	1050	1450	1230	868	1120	548	646	1040	1630
122		366	829	959	635	1300	1380		1570	1590	831	1040	838	1790	1300	600	486	2300	1770	1060	1040	1260	979	1250	836	1050	705	678	1060	1830
123		388	833	930	866	1420	1530		1420	1550	749	785	736	1820	1010	700	434	2400	1600	705	1490	1450	622	982	670	1160	831	603	1070	1870
124		405	811	747	1010	1370	1580		1480	1720	828	951	619	1860	1280	690	441	1700	1350	1020	1560	1200	888	693	611	1270	727	497	1160	1800
125		396	1120	648	887	1390	1510		1580	1740	838	831	592	1900	1210	630	443	1600	1500	884	1480	1220	874	710	744	1280	822	433	1410	1510
126		393	1140	688	747	1390	1570		1630	1730	784	1000	739	1920	970	590	444	1490	1750	695	1420	1370	811	1100	812	1340	588	460	1090	1410
127		413	1210	851	815	1360	1590		1550	1770	839	1160	963	1940	890	600	446	1400	1340	906	1490	1320	1330	951	822	1160	615	696	1100	1490
128		385	1190	909	634	1290	1530		1520	1430	828	1500	1070	1950	943	650	451	1400	1380	873	1460	915	1550	841	779	1060	549	796	1190	1400
129		382	1490	782	725	1380	1610		1150	861	760	1640	1220	1920	472	690	451	1460	1440	654	1380	1450	1370	932	602	1100	717	866	1180	1390
130		386	1500	866	896	1310	1510		1000	759	760	1440	1160	1900	589	700	459	1510	1110	577	1590	1360	1180	814	561	842	939	841	1190	1270
131		416	1580	1190	1430	1310	1590		1200	732	810	1520	810	1800	686	800	491	1390	823	640	1580	1500	1400	607	501	721	643	815	1170	834
132		377	1120	1170	1460	1280	1620		1340	1010	770	1290	612	1700	403	900	517	1320	905	723	1570	1490	1270	769	680	979	566	851	1100	747
133		380	1130	1230	1440	1250	1590		1290	1140	716	843	817	1880	469	960	552	1290	1160	755	1560	1490	660	1170	1040	794	827	843	1100	884
134		389	1120	1200	1470	1120	1600		1190	1000	655	1050	954	1850	477	715	574	1300	1240	1040	1570	1280	800	1430	1030	777	947	599	1080	1130
135		424	1370	1010	1520	1260	1590		1380	893	777	1380	825	1840	472	512	600	1700	1330	1020	1560	1040	1090	1440	913	1000	712	852	1140	1070
136		514	1140	958	1530	1440	1550		1330	940	964	1400	946	1800	521	533	633	1600	1370	943	1270	1010	523	1280	986	991	887	1040	1130	1100
137		436	1150	1060	1520	1460	1610		1250	1110	725	1670	1170	1890	713	698	648	1550	1340	883	1830	1490	447	808	974	754	684	1060	1130	1100
138		445	1230	1050	1560	1500	1630		1220	1340	779	1560	1250	1710	779	787	659	1310	856	898	1720	1480	402	595	918	847	702	958	1150	929
139		439	1280	1320	1560	1810	1230		1270	1260	1120	1680	749	1810	589	712	663	1050	893	1150	1780	1390	515	568	911	850	849	771	1170	677
140		437	1310	1190	1540	1740	1150		1380	1300	1130	1020	720	1870	560	689	665	842	1570	1020	1800	1490	473	565	1150	920	821	637	1150	685
141		424	1410	910	1470	1440	1300		1650	1250	699	1400	1020	1900	545	659	641	873	1700	980	1810	1390	674	619	1040	676	663	460	1150	994
142		428	1310	726	1530	1370	1420		1560	1260	876	1580	957	1840	535	650	620	1030	1330	901	1510	1260	547	605	1280	705	627	604	1170	843
143		402	1170	576	1490	1690	1300		1510	1150	1330	1500	984	1760	528	644	658	1230	1270	935	1430	1390	853	547	1150	686	624	465	1100	748
144		411	970	548	1660	1690	1330		1330	970	1240	1730	949	1810	524	649	625	1380	885	924	1520	1430	636	515	649	525	619	501	1160	658
145		443	890	537	1620	1630	1140		1220	878	1080	1160	772	1790	520	664	608	1410	682	1210	1720	1460	423	556	577	505	753	591	1190	635
146		459	900	578	1370	1570	1400		1630	1300	1010	846	717	1800	550	678	619	1060	819	1340	1470	1440	414	521	614	523	746	579	1140	618
147		522	1320	660	1380	1560	950		1480	1420	1090	1100	693	1810	580	665	667	902	1070	1240	1280	1540	413	528	666	711	833	668	1100	626
148		501	1750	637	1320	1550	942		1540	1380	900	1080	741	1490	548	650	642	1060	1120	1190	1380	1440	539	570	644	807	848	543	1190	728
149	1100	438	1460	500	1330	1530	976		1730	1200	799	1060	889	1730	489	607	671	1350	1150	1140	621	1370	994	612	532	584	809	559	1260	708
150	1050	427	1190	504	1350	1440	1010		1590	1100	1090	1110	939	1840	391	588	673	1490	1090	910	602	1420	1160	651	533	510	715	786	1310	698

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
151	1290	440	1160	534	1270	1230	937		1490	961	1510	1260	889	1920	421	559	661	1470	1030	771	965	1370	1050	672	613	632	927	663	1340	695
152	1550	469	1270	632	1050	1410	1000		1580	1020	1220	1870	880	1450	423	525	646	1700	1030	745	1040	1230	920	759	603	579	973	827	1380	736
153	1390	592	1540	760	923	1360	1110		1460	1050	1210	2510	819	1650	369	510	611	2240	1060	740	743	1150	826	636	659	790	930	629	1140	741
154	1180	484	1250	764	945	940	1370		1800	999	1320	1960	667	1830	362	508	616	2200	1090	735	772	1270	1160	624	580	745	767	545	1070	745
155	1620	484	1170	709	721	806	1380		1840	1130	1160	1450	821	2080	357	506	599	2360	978	949	838	1160	1060	633	549	646	799	519	1460	700
156	2020	472	1290	743	560	1110	1480		1840	1180	865	1340	1370	1720	392	510	602	2350	987	851	604	844	801	654	570	793	777	512	1540	661
157	1600	499	1080	764	527	1430	1610		1550	1080	1080	1060	1300	1400	444	527	573	2530	1010	872	637	692	751	649	597	760	962	498	1240	662
158	1370	533	905	731	637	1570	1530		818	1090	782	1320	991	1350	428	578	658	2340	910	777	946	1190	791	894	587	583	1140	492	1350	634
159	1170	520	800	673	600	2000	1370		1380	1360	744	1440	885	1370	450	665	692	2270	813	887	1190	1350	1170	978	523	712	1010	503	1420	622
160	1050	477	820	677	931	2500	977		1500	1350	786	1460	801	1370	373	849	681	2370	776	828	1170	1400	992	909	553	772	820	483	1110	630
161	980	458	750	678	889	2390	1130		1330	1250	1140	1110	787	1330	448	934	667	2370	778	788	1210	1020	922	864	808	751	750	477	950	630
162	1110	407	920	669	915	1860	1310		1650	1410	673	1180	898	1160	397	822	619	2270	702	735	1340	1500	2010	846	822	624	1160	475	1100	855
163	1280	483	820	690	944	1770	1560		1710	1810	680	1880	845	1230	547	731	611	2200	707	575	1160	1610	3230	837	706	534	1110	489	952	627
164	1420	536	697	714	999	1760	1560		1740	1770	970	2330	979	1330	554	754	751	2180	673	549	963	1850	3670	814	667	591	1360	582	888	613
165	1580	527	720	722	831	1860	1520		1930	1930	1060	2560	982	882	519	1230	593	2040	659	546	1370	1690	2800	774	642	778	1530	539	850	652
166	1350	499	685	822	771	2010	1510		1760	1780	906	1770	925	786	735	1120	629	2060	641	574	1400	1610	2100	754	630	776	1420	479	842	560
167	1140	486	862	787	662	1880	1430		1950	1840	959	1530	746	830	582	923	785	1880	710	614	1150	1590	1800	762	677	827	1380	474	826	629
168	1190	516	887	691	823	1360	1580		1890	1810	928	1320	962	826	590	879	819	1980	855	670	1240	1420	1700	827	758	749	1420	485	889	678
169	1290	615	1050	763	858	885	1670		1700	1790	637	1620	861	835	544	796	784	2240	826	578	1590	907	1600	925	726	693	1280	481	1150	657
170	1400	785	905	817	802	891	1700		1750	1740	1120	1360	736	821	525	734	767	2550	762	533	1270	780	1450	837	1030	918	984	467	1320	697
171	1510	1020	785	720	1140	1030	1760		1760	1720	1500	1120	685	1340	513	701	798	2490	836	541	907	926	1350	692	982	731	1300	692	1440	786
172	1550	973	770	682	1480	1020	1660		1930	1800	1380	1190	734	905	502	672	695	2380	741	552	945	1110	1300	654	949	625	1380	919	1470	834
173	1490	922	755	715	1310	1020	1630		2010	1700	1140	1210	819	633	540	651	653	2320	809	542	951	1150	1250	627	770	872	1290	913	1470	776
174	1530	796	777	557	1260	1220	1600		2030	1710	1180	999	710	662	882	572	634	2470	1130	565	929	1240	1220	664	604	885	1100	991	1500	566
175	1560	688	766	543	1100	930	2010		1980	1700	1300	788	760	869	1310	461	597	2430	1350	511	1100	969	1100	946	1020	622	883	862	1410	575
176	1500	599	770	529	1230	784	1770		1960	1520	1020	984	865	901	987	617	571	2490	1260	487	1070	724	1050	774	944	605	948	821	1370	582
177	1410	622	748	510	1350	904	1840		1820	1400	965	1450	835	675	844	613	622	3320	1290	482	809	688	975	637	937	533	651	967	1430	556
178	1310	551	798	505	1260	872	1720		1800	1330	1240	1430	728	545	814	582	820	4030	1130	472	625	939	950	834	971	687	668	988	1390	531
179	1360	522	721	516	1390	858	1780		1790	1430	1500	1450	743	528	966	750	867	4840	1060	468	959	957	970	576	963	762	876	792	1350	517
180	1530	561	661	487	1740	919	1810		1820	1480	1280	1350	799	522	1240	966	809	5410	1040	462	1480	1140	1080	629	903	829	874	927	1460	498
181	1380	507	675	506	1730	1000	1550		1770	1480	1170	1210	764	577	1130	855	557	5300	951	470	1250	1130	1200	529	912	620	1130	886	1160	481
182	1180	552	929	596	1750	743	1720		1700	1520	1170	709	640	631	1060	711	657	5260	932	506	847	938	1300	649	828	509	914	872	1130	512
183	1380	578	808	506	1490	626	1830		1700	1150	851	787	577	642	1040	562	545	5280	946	509	613	870	1250	918	2040	522	1100	977	1360	619
184	1880	565	649	508	1860	495	1770		1780	1110	1070	834	567	769	1020	953	571	5410	922	536	566	786	1300	1210	2330	529	1080	1070	1380	486
185	1940	552	780	544	2220	530	1760		1720	752	1220	798	573	1010	963	1530	1090	5380	831	565	555	687	1100	1460	1720	514	1250	1020	1580	491
186	1860	541	590	616	3340	812	1600		1670	1110	1450	790	506	783	905	1370	1630	5340	758	503	555	856	895	1630	1540	750	1170	676	1550	606
187	1710	521	607	623	3510	749	1460		1780	1580	1440	1040	395	567	873	1120	1570	5250	710	519	823	725	731	1690	1370	882	1160	509	1540	562
188	1480	539	669	640	3520	844	1310		1780	1610	1290	966	374	500	831	919	1500	5320	732	982	1050	612	724	1680	1570	1120	958	448	1430	745
189	915	612	652	612	3890	917	1280		1820	1410	1530	699	358	659	824	823	1310	5260	886	963	990	634	608	1680	1400	974	897	469	1410	1040
190	1090	592	562	547	4040	740	1430		1930	1530	1590	694	301	663	793	785	1200	5350	834	760	806	735	659	2060	1370	642	1220	432	1390	1260
191	1350	559	578	561	3950	914	1630		1900	1230	1570	833	320	685	759	706	1090	5370	717	793	702	951	793	2080	1480	744	1200	577	1330	1410
192	1470	540	658	576	3850	1310	1530		1440	1200	1690	899	325	673	729	680	1200	5390	680	638	769	882	842	2190	1550	1020	1300	462	1350	1480
193	1470	498	644	524	3710	1470	1550		1320	1300	1620	1250	307	593	680	699	1220	5380	602	447	901	973	773	2550	1460	928	1540	389	1330	1530
194	1460	552	558	498	2990	1510	1470		1290	1550	1580	1270	342	532	654	821	1150	5410	609	516	1090	965	803	3020	1340	688	1550	402	1120	1500
195	1550	460	585	500	2950	1580	1630		1440	1740	1420	1060	300	499	615	869	1340	5500	580	733	810	998	832	3490	1490	897	1540	452	1230	1310
196	1490	435	641	639	3020	1180	1300		1430	1620	1370	850	271	651	624	744	1240	5460	555	658	656	1040	604	3520	1460	1370	1550	484	1250	1330
197	1570	448	931	616	3040	1150	1560		1410	1740	1050	734	598	522	687	721	1040	5430	611	926	600	1100	606	3280	1510	1460	1500	417	1320	1350
198	1570	458	1060	567	2990	1060	1520		1390	1420	1180	883	553	498	637	604	1220	5410	639	1000	613	1120	580	2930	1540	1340	1550	572	1390	1320
199	1590	580	650	550	2930	1530	1480		1370	1600	1170	853	426	567	600	630	1490	5480	616	875	892	1570	711	2420	1650	914	1550	796	1360	1230
200	1510	597	457	538	2080	1930	1310		1190	1550	1270	878	437	490	617	898	1460	5720	502	699	978	1540	953	2240	1590	937	1530	631	1340	1200

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
201	1410	532	886	522	1080	1950	1230		1260	1640	1200	865	417	480	610	785	1370	5530	496	706	1000	1480	1230	2400	1400	1150	1420	760	1330	1220
202	1330	522	1420	498	1110	1660	1010		1350	1590	1250	858	323	507	684	1000	1320	5280	564	935	1010	1860	1790	2750	1500	1290	1420	900	1230	1230
203	1280	486	1470	482	1280	1580	1050		1440	1660	1640	813	375	630	615	1240	1180	4840	711	939	786	1800	1280	2630	1600	1240	1480	987	1140	1170
204	1090	472	1310	479	2180	1680	1180	379	1260	1570	1480	779	587	800	590	1100	1360	5020	698	1050	751	1810	963	2710	1530	1360	1440	949	1210	1180
205	1240	581	1000	518	2190	1670	1240	392	1420	1510	1530	838	575	910	568	701	1570	5330	676	1030	592	1480	946	2660	1480	1220	1370	979	1240	1160
206	1260	565	1210	489	2140	1600	1230	404	1380	1490	1530	972	597	820	562	669	922	5630	551	710	494	1650	885	2520	1300	1270	1670	1060	1050	1190
207	1130	631	1230	469	1370	1660	1240	342	1100	1720	1620	1020	489	720	575	866	1020	5650	549	645	660	1760	883	2620	819	974	1510	956	1260	1390
208	1110	663	1210	469	1450	1560	1230	324	1240	1720	1490	1030	567	650	563	704	912	5540	540	795	789	1650	975	2600	660	1230	1450	1010	1230	1480
209	1030	655	1290	452	1520	1590	1150	312	1770	1630	1430	1020	346	750	581	785	996	5530	628	1050	777	1740	1200	2550	1030	1170	1190	868	1180	1490
210	959	649	1240	474	1900	1630	1250	447	1540	1730	1170	685	392	960	696	952	694	5490	1040	921	901	1310	1080	2490	1100	1080	1350	648	1220	1500
211	766	630	940	454	1920	1570	1160	552	1440	1540	1420	796	527	1070	1290	762	587	5420	942	984	1300	1110	938	1920	1380	1250	1310	454	1310	1370
212	1110	616	1390	545	2020	1680	1050	627	1420	1430	1400	909	559	1130	1250	522	662	5460	909	902	975	989	757	1760	1330	1370	1240	449	1320	1390
213	1210	691	1280	566	2090	1540	1060	547	1600	1170	1480	796	592	1260	944	554	918	5580	977	602	522	1040	775	1800	1200	1340	1310	544	1320	1400
214	1150	590	1290	434	2070	1580	1060	494	2400	1080	1440	650	602	1100	817	1050	739	5590	822	462	587	1260	864	1450	658	1270	1290	973	1280	1330
215	1120	719	1570	448	2020	1530	944	430	2210	1180	1460	601	435	940	774	1280	802	4730	549	539	1010	1580	1020	1390	880	1270	1260	887	1300	1170
216	1090	668	1080	491	1890	1610	780	425	2020	1460	1360	493	378	880	1070	1160	775	3160	519	968	1230	1290	739	1190	520	1420	1420	677	1260	1070
217	948	612	944	433	1820	1620	530	374	1890	1540	1410	435	290	920	1260	1040	631	1270	740	1020	811	1310	696	1150	684	1420	1480	607	1220	1210
218	1060	600	806	414	1570	1600	740	345	1690	1630	1410	556	338	870	1300	875	540	2200	850	838	547	1130	587	1330	779	1360	1480	493	1310	1350
219	1160	666	741	411	1480	1590	858	315	1700	1570	1510	757	357	930	1180	729	504	4210	862	699	595	927	697	1300	746	1410	1190	449	1250	1300
220	1340	731	561	406	1510	1570	896	341	1520	1590	1510	977	464	860	930	1010	500	4610	653	462	500	729	882	1380	958	1280	1390	602	1270	1410
221	1200	723	591	400	1120	1520	951	394	1220	1610	1290	1100	435	770	1100	980	533	4610	514	434	506	827	859	1390	1030	1130	1310	848	1110	1420
222	1190	738	670	388	1040	1560	843	291	1330	1540	1220	1210	372	640	1770	943	505	4560	674	525	771	1120	673	1280	887	1360	1220	1050	1130	1270
223	1060	723	670	612	961	1590	790	317	1500	1270	1210	906	315	610	1070	923	486	3550	961	764	565	1050	538	1210	779	1460	1350	1030	1310	1110
224	755	685	679	510	607	1310	760	317	1620	1190	1550	768	402	820	947	1020	480	3450	927	937	451	1040	497	1430	778	1380	1450	684	1210	1280
225	660	705	685	639	612	1240	862	340	1640	1240	1380	961	571	1050	1150	911	476	3410	734	1170	547	888	703	1570	1050	1400	1440	446	1290	1820
226	1170	885	714	696	455	1260	873	402	1420	1350	1560	769	674	1120	965	812	472	3440	623	1180	421	641	695	1630	1120	1340	1360	485	1240	1800
227	1030	831	700	372	462	1270	942	372	1420	1150	1410	841	493	1100	1070	900	470	3460	705	946	436	656	842	1550	1150	1260	1480	686	1370	1800
228	991	892	451	649	721	1320	1100	387	1300	1260	1370	1080	473	800	1040	1010	487	3380	608	746	432	809	701	1500	1130	879	1510	476	1400	1800
229	926	875	491	888	641	1280	1280	368	1310	1310	1310	1040	483	720	1070	1000	594	2920	469	929	716	764	763	1270	1080	1100	1540	424	1440	1650
230	711	841	654	1170	699	1230	1150	394	1500	1200	1480	841	296	830	988	981	653	2230	435	1100	833	1120	666	1120	1120	1260	1510	437	1420	1740
231	594	870	751	1390	887	1460	1280	454	1490	1070	1430	513	309	1000	880	1180	622	2010	534	1080	801	1140	622	1190	1160	1390	1560	435	1450	1280
232	555	980	818	1350	819	1210	1470	379	1450	1230	1410	594	642	1060	1010	1000	593	1920	582	1300	824	1060	513	1280	987	647	1450	423	1450	1300
233	713	1040	778	1340	660	1170	1440	513	1220	1090	1430	687	664	1080	1050	862	589	1860	450	1300	665	880	567	1320	860	662	1370	534	1120	1320
234	783	835	692	1390	643	1350	1560	461	1340	940	1480	850	469	1030	932	869	621	1920	567	1190	476	807	600	1390	900	565	1540	589	1130	1000
235	752	700	585	1450	1450	1430	1580	443	1180	1150	1380	830	475	850	804	1050	607	1930	538	948	625	1400	619	1330	889	465	1420	510	1100	1450
236	851	610	741	1530	1320	1410	1530	363	1240	1280	1430	715	541	550	1150	1030	600	1900	470	1220	780	1320	801	1420	970	488	1350	621	1080	1580
237	944	585	795	1530	1210	1480	1520	371	1220	1380	1380	621	402	650	2080	928	634	1860	515	1390	736	1210	743	1400	1200	564	1480	690	1090	1380
238	896	610	678	1510	1300	1360	1630	427	1160	1290	1320	405	468	760	2130	957	631	1900	713	1370	796	1220	647	1410	1120	557	1240	450	932	1380
239	905	680	566	1500	1230	1090	1470	539	1230	1410	1140	465	628	903	1740	864	572	1900	624	1400	831	1270	583	1520	1120	557	1260	431	959	1320
240	1110	790	771	1600	1310	1200	1580	678	1170	1260	1180	853	723	880	1380	727	557	1840	480	1350	777	994	822	1450	1140	555	1250	620	1210	1090
241	1110	820	706	1590	1400	1360	1610	917	1320	1110	1440	1200	834	1040	1070	829	594	1940	504	1150	551	732	763	1500	1150	556	1430	804	1080	1170
242	1040	930	644	1590	1340	1320	1580	773	1580	1320	1430	1230	684	697	885	929	604	1860	570	672	470	933	607	1470	937	552	1290	560	1160	1240
243	1050	1080	773	999	900	1300	1540	486	1630	1370	1310	1150	519	407	1320	830	534	1840	518	1360	739	628	632	1310	760	568	1260	641	1190	1510
244	906	1110	920	986	1130	1190	1550	479	1560	1340	1280	991	330	514	1420	988	546	1880	463	1340	763	680	692	1440	745	687	1240	639	1020	1440
245	774	1200	943	1230	1510	1030	1300	435	1510	1190	894	908	496	726	1290	1060	639	1880	791	1470	684	772	624	1380	1190	707	1140	627	822	1040
246	721	1310	936	1180	1590	911	1380	430	1570	1160	878	976	402	707	1240	993	491	1880	758	1430	644	705	480	1450	1190	708	1040	425	1050	1220
247	702	1070	1120	898	1530	638	1480	426	1590	1080	723	1030	496	736	1180	728	477	1880	715	1350	618	512	620	1410	1180	661	992	429	1260	1350
248	1160	1120	1270	780	1200	543	1600	464	1580	1020	915	1060	538	1180	887	455	495	1870	876	1070	716	538	841	1470	1160	611	844	521	1290	1320
249	1290	1110	1220	757	1510	1070	1530	438	1510	1000	1240	1090	812	1330	835	518	902	1890	866	651	740	1000	752	1600	1050	599	1110	866	1110	1290
250	1200	1190	1170	765	1710	1130	1510	360	1480	841	1340	1170	455	610	917	810	801	1840	764	655	1280	1210	719	1470	874	627	995	790	1220	1150

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
251	1240	1360	1090	1160	1700	1250	1590	334	1470	1080	1390	859	386	412	1130	771	688	1880	1080	1240	1130	1150	699	993	855	633	1040	570	1210	1160
252	1230	1480	1050	1230	1600	1600	1480	375	1510	1290	1160	934	532	567	1060	747	549	1860	1410	1120	1220	1170	606	1050	800	639	1100	450	1090	1160
253	1380	1390	1160	1270	1390	1810	1570	336	1530	1460	1080	1030	474	886	1110	682	443	1850	1250	1020	1040	1030	524	1460	1000	624	987	387	1150	1120
254	1190	1280	1150	1210	1500	1840	1550	342	1430	1400	1070	1490	419	952	1270	446	465	1880	1130	945	1240	1160	695	1410	1120	760	769	376	1260	1110
255	1080	1180	1150	938	1470	1800	1530	354	1300	1230	970	1520	602	1200	1210	573	807	1850	1320	450	1240	1350	702	1450	1280	1070	770	509	1300	1110
256	1110	1110	1140	1110	1410	1540	1450	352	1450	1500	1000	1650	597	1140	1280	951	1040	1860	1590	424	1500	1460	683	1520	1170	1030	950	728	1110	1140
257	1180	1100	1120	986	1580	1450	1800	319	1460	1480	1070	1530	600	1120	1340	1260	903	1850	1580	981	1490	1460	979	1540	903	888	1050	436	1270	1040
258	1160	940	1190	939	1620	1400	1980	325	1600	1540	1070	1600	598	1190	1620	1300	833	1830	1600	902	1570	1470	891	1420	1210	951	1080	432	1170	1030
259	1110	920	1150	1070	1660	1510	2040	338	1510	1580	901	1590	674	1430	1220	1390	644	1840	1690	1050	1520	1430	590	1450	1240	934	1260	441	1090	924
260	1280	970	1110	1400	1590	1580	1900	347	1640	1570	1050	1480	632	1610	1190	1260	549	1780	1670	1130	1470	1070	498	1400	1320	826	1080	440	1170	1090
261	1480	1110	1090	1350	1570	1600	1830	470	1620	1510	1060	1190	696	1530	1130	1140	561	1880	1600	1170	1400	933	712	1450	1350	908	916	447	1260	1140
262	1500	1180	1140	1290	1530	1670	1770	1300	1380	1190	1060	1180	833	1490	1070	1170	615	1780	1450	1210	1030	1260	736	1600	1370	1190	1030	573	1140	1100
263	1530	1270	1110	1180	1600	1690	1920	1230	1530	1380	1090	1180	843	1080	1240	1340	618	1840	672	1310	1110	1300	654	1390	1510	1010	1060	500	1170	1110
264	1550	1330	1150	1210	1710	1680	1960	1010	1570	1470	1080	1320	756	762	1340	1260	547	1850	531	1290	1510	1600	715	1480	1300	995	1080	548	1230	1140
265	1440	1410	1540	1030	1510	1640	1910	1180	1450	1520	1060	1280	766	842	1220	1200	529	1820	515	1160	1340	1180	765	1410	1160	1140	1060	443	1170	992
266	1240	1500	1540	904	1490	1650	1800	1240	1510	1550	1060	1230	847	1390	1120	1130	549	1760	499	1210	1320	617	611	1480	1190	1180	1150	653	1090	1020
267	1120	1470	1480	1060	1550	1440	1710	1170	1360	1540	1060	1300	1000	1460	1210	1200	544	1700	515	1060	1340	503	650	1450	1200	1410	1110	752	1120	1080
268	1300	1460	1480	1270	1550	1540	1680	1080	1360	1390	1070	1170	1190	1480	1240	973	543	1730	500	1340	1030	476	972	1450	1240	1390	979	1040	1150	1070
269	1300	1410	1430	1330	1520	1440	1670	1190	1310	1290	1080	1370	1140	1400	1220	1170	499	1580	472	801	943	494	949	1500	1400	1220	1100	1060	1340	1020
270	1390	1350	1440	1360	1600	1250	1660	1150	780	1460	1320	1400	1190	1580	1190	1310	728	1670	468	530	1240	651	829	1380	1220	1060	1080	1020	1300	1100
271	1470	1190	1450	1140	1550	1250	1700	1320	1320	1430	1050	1390	1270	1040	1210	1430	722	1350	424	1010	1340	657	684	1190	955	1120	947	751	1310	854
272	1180	1060	1470	1160	1580	1560	1660	1340	1560	1340	930	1380	1420	1350	987	1230	593	979	457	1200	1430	724	648	1080	1230	1130	1000	731	1270	745
273	927	1270	1450	1460	1710	1430	1730	1380	1560	1400	920	1280	1650	1570	1020	1280	1020	838	537	1180	1630	670	608	1300	1330	1050	1130	756	1310	839
274	1050	1400	1470	1530	1710	1120	1620	1060	1540	1580	1030	1440	1650	1550	1090	1130	704	994	575	1180	1570	925	704	1280	1420	1070	1260	615	1350	998
275	1420	1350	1490	1610	1680	1370	1670	1230	1560	1240	1240	1570	1580	1350	970	1040	1060	896	820	1270	909	870	869	1220	1390	995	1220	859	1260	906
276	1360	1220	1470	1700	1580	1200	1490	1210	1650	1020	1030	1570	1630	1160	941	1140	1140	847	643	911	1190	495	1000	1290	1360	1020	1350	1060	1170	958
277	1140	1200	1510	1720	1630	1000	1500	982	1200	1320	958	1520	1570	1030	974	1290	1160	788	486	995	1440	845	1200	1450	1310	718	1240	1020	1320	918
278	1140	1190	1580	1720	1550	984	1680	1110	1390	1370	976	1590	1540	766	1050	1040	1320	574	493	1170	1280	900	1320	1340	1230	866	1410	1090	1210	1020
279	870	1160	1350	1710	1470	982	1620	1270	1520	1310	1080	1570	1600	1010	1170	1150	1290	514	605	1170	903	900	1230	1220	1350	874	1450	1070	1280	990
280	791	1290	1510	1700	1430	950	1710	1400	1540	1280	1270	1560	1630	1380	1210	1440	1020	417	671	1210	1200	890	1130	1220	1450	861	1330	896	1230	1060
281	1020	1170	1510	1740	1560	920	1680	1340	1610	1460	1330	1560	1490	1380	1100	1400	765	502	810	1330	1440	450	1270	1300	1500	741	1550	754	1190	1040
282	1040	1180	1520	1750	1600	786	1590	1340	1550	1430	1220	1620	1560	1440	1120	1230	747	1200	742	1210	1490	442	1380	1310	1490	741	1430	722	1390	1130
283	835	1280	1520	1780	1620	874	1610	1310	1430	1210	1090	1680	1560	1390	1070	1190	787	1300	588	1310	1280	445	1380	1370	1410	788	1600	870	1420	1110
284	1030	1160	1520	1770	1610	947	1440	1190	1480	1400	1150	1410	1490	1110	1020	1360	815	1310	461	889	1340	843	1390	1410	1560	656	1380	815	1310	1130
285	714	1140	1520	1780	1240	1810	1700	1050	1390	1560	1100	1630	1550	791	1010	1470	796	1450	453	1000	1290	1010	1330	1340	1360	594	1270	1070	1220	1110
286	432	1400	1460	1500	1340	2060	1710	1050	1460	1560	1290	1650	1630	780	1130	1300	733	1580	469	941	1370	840	1360	1270	1270	752	1110	983	1330	1140
287	357	1450	1470	1200	1270	2380	1700	1210	1480	1440	1330	1680	1550	1010	1090	1270	685	1530	680	954	1470	915	1310	1320	1330	906	935	1030	1290	994
288	902	1430	1520	1340	1110	2460	1650	1220	1540	1470	1240	1660	1490	1500	1110	1480	634	1500	1090	874	1560	929	1310	1410	1200	789	1020	889	1270	1050
289	1030	1420	1510	1250	1070	2430	1620	1080	1430	1490	1480	1600	1540	1590	1080	1210	777	1520	1210	1360	996	882	1340	1270	1240	708	1090	1030	1140	1160
290	1160	1460	1500	1110	1180	1800	1420	1020	1590	1410	1270	1560	1510	1550	1120	1270	895	1510	1790	1070	689	1080	1350	1310	1250	739	1020	909	1250	1080
291	914	1470	1470	1170	1030	1700	1530	960	1440	1410	1160	1550	1500	1680	1210	1270	991	1500	1040	1040	1070	1190	1390	1590	1080	707	925	804	1210	1140
292	1270	1460	1510	1310	1070	1680	1670	999	1490	1540	1130	1570	1730	1480	1250	1270	1030	1510	1450	1200	1110	1200	1430	1460	1060	866	1050	867	1260	1060
293	1300	1450	1520	1430	957	1730	1660	1180	1440	1500	1240	1520	1600	1650	1170	1250	1180	1100	1610	1410	1190	1220	1300	1170	1460	921	1220	940	1250	1120
294	1220	1430	1470	1340	825	1790	1670	1200	1460	1490	1270	1700	1650	1650	1180	1510	992	872	1550	1210	1140	1150	1320	1440	1300	998	1190	976	1300	925
295	1270	1430	1480	1210	886	1720	1640	1190	1440	1500	1050	1540	1790	1450	1200	1370	741	1170	1540	1340	1200	1210	1390	1320	1040	905	1030	915	1280	1030
296	1280	1410	1520	1150	717	1720	1610	1280	1480	1470	1070	1660	1850	1520	1120	1430	871	1360	1500	1280	1090	1160	1460	1380	1030	913	1030	1030	1270	1010
297	1170	1440	1450	1030	909	1700	1590	1310	1380	1560	1190	1650	1870	1080	1070	1450	1160	1380	1490	1410	1130	1310	1460	1420	1090	917	1030	942	1280	957
298	775	1440	1370	1080	1500	1670	1610	1270	1550	1550	899	1660	1890	684	1230	1360	886	1170	1580	1510	1100	1370	1450	1510	1290	910	1400	957	1310	1000
299	560	1430	1460	1090	1400	1590	1600	1150	1510	1530	760	1710	1880	625	1290	1310	920	1330	1580	1480	1380	1340	1580	1580	1100	976	1270	964	1380	1000
300	790	1430	1600	1030	1370	1480	1630	1110	1530	1510	827	1650	1890	644	1480	1090	1060	1080	1600	1550	1530	1320	1630	1400	1090	1070	1410	1160	1170	1010

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
301	975	1430	1490	1100	1330	1500	1670	1110	1590	1520	749	1430	1900	1390	1430	1190	1030	847	1570	1500	1150	1390	1650	1480	1330	1100	1400	1110	1300	1010
302	1290	1440	1510	1180	1250	1570	1680	1100	1560	1500	850	1410	1880	1590	1280	1470	824	924	1600	1470	1070	1330	1630	1550	1330	1080	1270	1090	1320	1100
303	1210	1430	1430	970	1340	1700	1660	1190	1580	1560	1150	1500	1800	1350	1180	1300	997	1220	1640	1500	897	1350	1540	1520	1500	959	1380	1190	1330	1170
304	1210	1400	1260	830	1270	1550	1690	1130	1550	1590	1300	1470	1680	1520	1210	1250	1430	1320	1500	1580	674	1440	1570	1540	1360	833	1470	1310	1420	1090
305	1180	1420	1320	1000	1280	1430	1530	1060	1350	1600	1380	1490	1620	1410	1380	1450	1400	1300	1510	1610	1100	1120	1590	1560	1500	784	1520	1180	1430	1140
306	1270	1390	1520	1160	1330	1450	1420	969	1420	1520	1200	1630	1670	1710	1470	1550	1320	1560	1290	1550	961	1440	1640	1540	1380	962	1390	1270	1670	1150
307	1230	1360	1530	1210	1270	1460	1590	1080	1510	1470	840	1760	1690	1670	1540	1560	1400	1110	1600	1590	1080	1430	1510	1430	1480	1090	1330	1290	1450	1120
308	1290	1250	1590	1100	1310	1510	1660	1180	1480	1520	580	1880	1660	1740	1530	1700	986	1110	1510	1530	1000	1400	1440	1650	1550	1030	1310	1100	1500	1090
309	1280	1360	1630	1160	1120	1460	1700	1190	1540	1470	640	1920	1620	1900	1490	1730	956	1350	1740	1630	1050	942	1520	1510	1410	1150	1220	960	1530	1110
310	1310	1410	1630	1100	1410	1510	1680	1170	1350	1480	665	1920	1670	1550	1520	1740	1370	1410	1620	1650	1080	1130	1700	1540	1190	1210	1250	1120	1520	1000
311	1340	1370	1600	1130	1440	1420	1610	1110	1190	1540	640	1970	1650	1630	1540	1730	1280	1550	1940	1590	946	1250	1810	1470	1170	1230	1240	1120	1470	922
312	1400	1370	1650	1220	1480	1420	1530	1250	962	1560	740	1930	1550	1820	1630	1740	1260	1470	1800	1660	875	1510	1800	1550	1100	1200	1360	1060	1410	946
313	1600	1380	1660	1350	1410	1470	1600	1260	1220	1560	720	1880	1400	1690	1650	1790	1300	1350	1800	1860	823	1450	1540	1520	1040	1170	1170	1010	1480	898
314	1300	1340	1610	1510	1570	1450	1600	1390	1410	1530	660	1850	1560	1790	1690	1870	1340	722	1910	1880	1110	1390	1650	1420	1240	1150	1230	974	1510	888
315	1320	1340	1550	1490	1530	1410	1590	1150	1410	1480	560	1710	1670	1790	1730	1820	1200	611	1960	1890	888	1770	1590	1520	1170	1270	1180	1090	1420	1040
316	1400	1290	1480	1490	1390	1410	1600	1300	1210	1720	518	1510	1710	1690	1790	1770	1020	727	1930	1840	711	1660	1490	1630	1200	1200	1250	874	1600	1060
317	1380	1220	1570	1510	1370	1510	1600	1260	1160	1750	565	1070	1650	1720	1840	1700	1030	1000	1950	1900	672	1550	1520	1480	1310	1230	1220	1090	1560	1100
318	1480	1200	1630	1550	1360	1550	1600	1280	1330	1560	535	1190	1600	1710	1900	1920	1040	1150	1940	1870	740	1780	1560	1400	1150	1030	1260	1130	1680	939
319	1420	1200	1600	1440	1250	1510	1530	1390	1200	1660	490	1440	1660	1880	1920	1650	940	1240	1960	1830	642	1800	1030	1720	1080	811	1470	1080	1630	1260
320	1490	1270	1620	1540	1280	1560	1440	1400	1480	1660	535	1470	1750	1420	1810	1520	970	1180	1910	1750	625	1750	939	1470	1020	1160	1580	1150	1580	1540
321	1360	1280	1650	1600	1090	1530	1510	1350	1760	1710	530	1430	1710	1640	1710	1560	1000	1200	1910	1730	630	1730	884	1420	1090	1030	1550	1220	1600	1430
322	1270	1210	1600	1570	1090	1580	1620	1410	1720	1670	500	1390	1630	1750	1730	1670	910	1260	1910	1780	645	1830	588	1460	1200	1230	1630	1250	1640	1610
323	1390	1010	1660	1560	1100	1610	1760	1490	1700	1660	600	1450	1570	1720	1830	1700	860	1330	1910	1600	680	1940	731	1660	1370	1490	1430	1210	1650	1590
324	1550	1060	1710	1590	869	1540	1690	1580	1730	1820	1050	1500	1720	1640	1680	1640	900	1400	1870	1720	783	1770	690	1780	1490	1360	1280	1180	1670	1670
325	1540	927	1680	1690	1110	1600	1750	1610	1750	1960	1480	1510	1620	1650	1760	1760	1200	1540	1880	1830	508	1930	769	1560	1580	1440	1600	1270	1650	1580
326	1480	927	1450	1860	739	1580	1730	1550	1700	1990	1650	1160	1630	1710	1900	1850	1220	1580	1960	1840	865	1880	1040	1700	1690	1350	1550	1270	1680	1580
327	1510	962	1700	1900	616	1600	1770	1540	1760	1630	1700	1030	1660	1730	1820	1600	1220	1610	1890	1870	958	1910	1050	1670	1560	1390	1540	1300	1640	1750
328	1520	948	1700	1890	618	1570	1780	1550	1710	1510	1500	970	1710	1770	1840	1750	1210	1610	1870	1840	834	1800	1230	1770	1620	1420	1560	1280	1670	1510
329	1530	1050	1740	1780	690	1530	1800	1550	1690	1380	1300	1330	1680	1710	1900	1860	1190	1620	1710	1790	680	1840	1340	1800	1640	1300	1420	1270	1600	1750
330	1510	1140	1610	1900	567	1590	1880	1540	1720	1200	1130	1600	1740	1760	1960	1900	1130	1580	1940	1440	451	1820	1810	1710	1630	1040	1470	1450	1700	1750
331	1490	1220	1650	1710	500	1560	1870	1540	1750	1200	1120	1610	1670	1720	2000	1910	1150	1400	1870	1310	448	1810	1760	1790	1350	828	1530	1690	1680	1790
332	1460	1210	1670	1850	571	1520	1870	1560	1550	1490	1130	1590	1590	1720	2030	1930	1140	1340	1750	1350	750	1900	1830	1770	1420	1030	1570	1820	1670	1760
333	1480	990	1730	1610	718	1530	1820	1590	1570	1430	1120	1650	1700	1700	2040	1980	1200	1340	1880	1350	900	1870	1780	1730	1470	1190	1710	1950	1700	1760
334	1480	939	1790	1690	816	1560	1800	1600	1690	1460	1160	1750	1820	1750	2090	1930	1560	1400	1880	1340	1200	1950	1750	1620	1440	1340	1670	1800	1720	1580
335	1450	778	1750	1600	868	1470	1800	1580	1660	1460	1210	1820	1850	1870	2000	1900	1470	1490	1930	1320	1400	1980	1250	1740	1370	1490	1710	1580	1730	1500
336	1610	841	1820	1730	941	1510	1780	1500	1870	1400	1220	1810	1770	1820	1940	1880	1400	1480	1930	1330	1390	1890	1130	1890	1450	1480	1700	1660	1750	1550
337	1500	947	1760	1570	931	1620	1720	1440	1990	1180	1160	1830	1780	1830	1920	1910	1360	1460	1840	1440	1400	1720	1520	1760	1500	1620	1620	1680	1810	1680
338	1470	995	1820	1230	924	1530	1710	1400	2000	1120	1130	1780	1800	1720	1930	1920	1600	1470	1890	1880	1390	1880	1600	1740	1460	1650	1630	1670	1700	1750
339	1370	1070	1820	1160	933	1610	1750	1400	1820	1060	1100	1730	1640	1800	2000	1970	1700	1490	1860	1940	1410	1860	1670	1700	1530	1590	1640	1590	1580	1780
340	1370	1150	1670	1330	986	1580	1770	1410	2010	1240	1070	1650	1700	1810	2030	1980	1640	1500	1870	1910	1420	1720	1900	1760	1420	1540	1640	1620	1820	1760
341	1500	1110	1770	1500	1330	1660	1790	1420	1940	1300	1080	1680	1710	1930	2030	1930	1600	1500	1870	1700	1420	1890	1830	1780	1550	1620	1640	1740	1890	1740
342	1440	1130	1490	1570	1460	1700	1800	1470	1790	1200	1090	1660	1550	1890	2020	1950	1630	1470	1930	1340	1410	1810	1920	1760	1480	1640	1700	1730	1850	1730
343	1240	1150	1180	1710	1390	1740	1800	1470	1850	1270	1050	1720	1700	1910	2010	1900	1670	1450	1900	1390	1390	1750	1880	1760	1560	1600	1860	1760	1890	1710
344	1330	1070	1340	1600	1390	1690	1800	1490	1800	1300	1060	1780	1760	1930	2010	1800	1680	1450	1850	1720	1400	1550	1860	1730	1560	1540	2020	1740	1900	1720
345	1450	1080	1300	1660	1430	1790	1810	1530	1850	1360	1170	1780	1650	1870	1980	1760	1690	1460	1910	1860	1390	1700	1880	1770	1640	1400	1980	1700	1780	1740
346	1580	1030	1210	1580	1480	1780	1800	1400	1940	1230	1250	1760	1650	1850	2060	1750	1690	1450	1940	1800	1400	1710	1890	1650	1640	1300	2000	1710	1730	1720
347	1390	905	1380	1560	1500	1720	1800	1350	1940	1270	1270	1740	1750	1840	1950	1760	1700	1430	1950	1710	1410	1700	1880	1370	1640	1260	1970	1680	1770	1720
348	831	927	1590	1530	1510	1560	1800	1290	1800	1050	1200	1730	1850	1870	1850	1770	1700	1450	1940	1820	1400	1640	1910	1530	1690	1380	1920	1600	1780	1740
349	920	816	1660	1510	1500	1700	1800	1270	1670	1050	1130	1730	1830	1840	1840	1810	1700	1440	1920	1790	1380	1740	1990	1380	1710	1500	1940	1630	1790	1760
350	953	873	1640	1650	1500	1660	1790	1300	1810	1050	1140	1740	1800	1860	1830	1850	1700	1430	1920	1840	1320	1690	2000	1300	1730	1550	1830	1590	1720	1750

Appendix J5: Peace River daily discharge data and resultant flow exceedence curve based upon data from WSC Station - Peace River at Pine (07FA004).

day	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
351	970	896	1580	1450	1500	1670	1780	1420	1770	1400	1150	1760	1790	1930	1820	1800	1690	1440	1930	1890	1350	1810	1970	1700	1670	1540	1920	1630	1740	1740
352	722	985	1640	1500	1500	1710	1780	1500	1800	1390	1160	1780	1840	1940	1900	1780	1690	1460	1930	1940	1360	1290	1970	1700	1660	1550	1920	1710	1740	1720
353	629	1110	1760	1470	1500	1540	1790	1390	1850	1090	1150	1800	1810	1930	1940	1810	1680	1490	1910	1940	1380	1260	2010	1610	1670	1550	1910	1720	1860	1710
354	622	1050	1660	1460	1500	1510	1780	1370	1970	1200	1380	1790	1770	1920	1930	1820	1650	1490	1890	1960	1390	1500	2020	1510	1680	1550	1920	1720	1930	1710
355	547	980	1750	1510	1550	1600	1790	1380	1860	1260	1600	1810	1790	1910	1890	1780	1550	1450	1900	1940	1400	1490	1930	1520	1540	1550	1920	1660	1960	1720
356	690	850	1620	1500	1610	1620	1770	1340	1930	1280	1680	1820	1820	1810	1960	1770	1520	1410	1930	1970	1370	1460	1980	1840	1670	1540	1850	1700	1850	1770
357	592	800	1400	1480	1630	1620	1800	1300	1720	1200	1650	1820	1800	1740	2000	1770	1500	1390	1920	1970	1350	1440	1930	1710	1630	1550	1680	1730	1880	1790
358	555	825	1410	1460	1610	1620	1770	1310	1900	1390	1500	1750	1780	1730	1960	1780	1490	1350	1910	1970	1320	1480	2000	1610	1600	1450	1520	1700	1880	1770
359	530	685	1140	1390	1600	1610	1760	1170	1780	1240	990	1700	1760	1750	1870	1790	1480	1320	1910	1960	1260	1460	1960	1240	1510	1410	1290	1620	1810	1730
360	522	650	910	1440	1600	1600	1770	1110	1830	757	960	1680	1740	1760	1660	1790	1460	1310	1920	1960	1210	1470	1950	843	1480	1400	1260	1490	1830	1650
361	506	625	1020	1420	1590	1600	1780	1110	1830	645	1200	1700	1820	1650	1800	1790	1470	1340	1920	1970	1230	1510	1920	1310	1580	1400	1320	1540	1860	1520
362	1000	625	1320	1420	1580	1610	1780	1110	1850	730	1650	1730	1690	1560	2000	1780	1480	1390	1950	1950	1260	1340	1970	1510	1640	1390	1460	1570	1940	1510
363	1320	600	1650	1400	1570	1630	1790	1130	1920	1240	1590	1760	1640	1540	1900	1770	1480	1440	1960	1770	1250	1270	1970	1580	1710	1370	1350	1530	1970	1510
364	1280	635	1960	1410	1570	1620	1790	1190	1930	1280	1490	1740	1720	1570	1930	1760	1460	1490	1880	1570	1310	1450	1950	1530	1700	1380	1390	1570	1990	1520
365	1450	640	1910	1430	1600	1620	1790	1210	2030	1310	1390	1700	1800	1650	2000	1760	1450	1480	1910	1390	1310	1250	1850	1600	1680	1390	1400	1540	1980	1530
366		670				1620				1260				1680				1480				1350				1570				1550

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