

Appendix C. Results of Chemical Analyses on Water Samples from Lake Crescent and Streams

Table C1. Fairholm Creek at Fairholm, Washington, 480307123545710, nutrients and suspended sediment.

[°C, degrees Celsius; mg/L, milligrams per liter; <, less than; --, no data. All data, except U.S. Geological Survey National Water Quality Laboratory data, are shown at reporting levels calculated for this study.]

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L	Total Nitrogen, (as N) in filtered water, mg/L	Total Phosphorus, (as P) in filtered water, in mg/L	Suspended Sediment, mg/L
April 10, 2006	1415	--	93	--	--	--	--	--	--
May 26, 2006	1030	--	--	¹ 0.050	¹ 0.009	0.047	--	--	--
² May 26, 2006	1030	--	--	0.03	<0.02	--	--	--	--
June 29, 2006	1510	8.6	--	--	--	--	0.03	0.008	--
August 1, 2006	1300	8.9	--	0.090	0.011	0.071	--	--	--
September 1, 2006	0930	8.7	--	0.050	0.009	0.037	--	--	--
October 4, 2006	0920	--	--	0.120	0.017	0.098	--	--	--
October 6, 2006	1500	--	--	--	--	--	--	--	2
November 4, 2006	1510	--	--	0.780	0.023	0.679	--	--	--
December 13, 2006	1025	--	--	0.120	0.012	0.059	--	--	--
January 20, 2007	1705	--	--	0.060	0.009	0.03	--	--	2
March 9, 2007	1800	--	--	--	--	--	--	--	2
March 9, 2007	1801	--	--	--	--	--	--	--	1
March 11, 2007	1400	--	--	0.080	0.012	0.059	--	--	1
March 12, 2007	1300	--	--	--	--	--	--	--	<0.5
March 12, 2007	1301	--	--	--	--	--	--	--	1
April 26, 2007	1005	7.0	--	0.050	0.008	0.03	--	--	4
May 31, 2007	0935	--	--	--	--	--	--	--	1
May 31, 2007	1400	--	--	0.060	0.009	0.047	--	--	--
June 27, 2007	1320	8.1	--	0.070	0.009	0.061	--	--	2
October 4, 2007	1145	8.9	115	0.250	0.01	0.187	--	--	--
October 6, 2007	1501	--	--	--	--	--	--	--	1
October 18, 2007	1655	--	116	0.410	0.012	0.345	--	--	--
October 19, 2007	1030	--	--	0.630	0.014	0.507	--	--	--
October 21, 2007	1515	7.9	120	0.600	0.009	0.564	--	--	--
November 15, 2007	1420	8.0	114	0.300	0.009	0.238	--	--	--
November 27, 2007	1545	7.6	98	0.170	0.008	0.119	--	--	--
December 6, 2007	1500	9.4	89	0.090	0.009	0.056	--	--	--
February 5, 2008	1730	--	--	0.100	0.012	0.079	--	--	--
February 7, 2008	0620	--	--	0.070	0.013	0.083	--	--	--
February 13, 2008	0715	--	--	0.050	0.011	0.035	--	--	--

Fairholm Creek at Mouth at Fairholm, Washington (no station number), nutrients.

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, in mg/L	Total Phosphorus, in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
October 21, 2007	1505	8.2	120	0.59	0.009	0.548

¹Whole water sample acidified in the field.

²Analyses by USGS National Water Quality Laboratory

Table C2. Lapoel Creek near Fairholm, Washington, 480310123521410, nutrients and suspended sediment.

[°C, degrees Celsius; mg/L, milligrams per liter; <, less than; --, no data. All data, except U.S. Geological Survey National Water Quality Laboratory data, are shown at reporting levels calculated for this study. µS/cm, microseimens per cm at 25°C]

Date	Time	Water Temperature, °C	Specific Conductance, (µS/cm)	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L	Total Nitrogen, (as N) filtered water, in mg/L	Total Phosphorus, (as P) filtered water, in mg/L	Suspended Sediment, mg/L
April 10, 2006	1430	--	131	--	--	--	--	--	--
May 26, 2006	1055	--	--	¹ 0.04	¹ 0.009	0.026	--	--	--
² May 26, 2006	1055	--	--	0.04	<0.02	--	--	--	--
June 29, 2006	1650	--	--	--	--	--	<0.02	0.007	--
August 1, 2006	1120	9.3	--	0.03	0.016	0.03	--	--	--
September 1, 2006	1115	9.1	--	0.04	0.008	0.023	--	--	--
October 4, 2006	1130	--	--	0.05	0.014	0.042	--	--	--
October 4, 2006	1700	--	--	--	--	--	--	--	2
October 4, 2006	1701	--	--	--	--	--	--	--	1
November 3, 2006	1230	--	--	0.24	0.066	0.109	--	--	--
November 4, 2006	1630	--	--	0.23	0.026	0.086	--	--	--
November 6, 2006	1330	--	--	0.52	0.115	0.045	--	--	--
December 13, 2006	1135	--	--	0.08	0.02	0.023	--	--	--
January 20, 2007	1600	--	--	0.04	0.008	0.028	--	--	3
March 11, 2007	1500	--	--	0.07	0.023	0.018	--	--	22
April 26, 2007	1105	6.2	--	0.04	0.006	0.017	--	--	<0.5
May 31, 2007	1035	--	--	0.03	0.006	0.017	--	--	1
June 27, 2007	1410	8.4	--	0.03	0.008	0.014	--	--	2
October 4, 2007	1120	7.6	123	0.11	0.009	0.03	--	--	--
October 18, 2007	1640	--	119	0.05	0.009	0.028	--	--	--
October 21, 2007	1450	7.8	107	0.06	0.009	0.026	--	--	--
November 15, 2007	1445	6.0	107	0.06	0.007	0.025	--	--	--
November 27, 2007	1500	4.6	138	0.06	0.006	0.031	--	--	--
December 6, 2007	1515	11.1	96	0.08	0.009	0.033	--	--	--
February 5, 2008	1710	--	--	0.05	0.01	0.031	--	--	--
February 7, 2008	0640	--	--	0.04	0.009	0.026	--	--	--
February 13, 2008	0735	--	--	0.05	0.009	0.03	--	--	--

Lapoel Creek at Mouth near Fairholm, Washington (no station number), nutrients.

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, in mg/L	Total Phosphorus, in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
October 19, 2007	1115	8.6	93	0.08	0.011	0.033

¹Whole water sample acidified in the field.

²Analyses by USGS National Water Quality Laboratory.

Table C3. Smith Creek near Fairholm, Washington, 480305123490410, nutrients and suspended sediment.

[°C, degrees Celsius; mg/L, milligrams per liter; <, less than; --, no data. All data, except U.S. Geological Survey National Water Quality Laboratory data, are shown at reporting levels calculated for this study.]

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L	Total Nitrogen, (as N) filtered water, in mg/L	Total Phosphorus, (as P) filtered water, in mg/L	Suspended Sediment, mg/L
April 10, 2006	1500	--	123	--	--	--	--	--	--
May 26, 2006	1140	--	--	¹ 0.02	¹ 0.007	0.005	--	--	--
² May 26, 2006	1140	--	--	<0.06	<0.02	--	--	--	--
June 29, 2006	1730	10.4	--	--	--	--	0.02	0.007	--
November 4, 2006	1750	--	--	0.25	0.045	0.044	--	--	--
December 13, 2006	1400	--	--	0.05	0.01	0.005	--	--	--
January 20, 2007	1420	--	--	0.03	0.007	0.019	--	--	--
January 20, 2007	1428	--	--	--	--	--	--	--	<0.5
March 11, 2007	1700	--	--	0.11	0.038	0.006	--	--	30
April 26, 2007	1150	6.1	--	0.04	0.005	0.012	--	--	<0.5
May 31, 2007	1155	--	--	0.02	0.005	0.005	--	--	2
June 27, 2007	1200	--	--	--	--	--	--	--	1
June 27, 2007	1500	8.1	--	0.03	0.007	0.013	--	--	--
October 19, 2007	1025	--	--	0.09	0.013	0.021	--	--	--
October 21, 2007	1430	8.3	97	0.04	0.006	0.009	--	--	--
November 15, 2007	1500	6.0	93	0.05	0.005	0.005	--	--	--
December 6, 2007	1345	14.2	86	0.04	0.006	0.01	--	--	--
February 5, 2008	1650	--	--	0.04	0.011	0.023	--	--	--
February 7, 2008	0700	--	--	0.03	0.011	0.022	--	--	--
February 13, 2008	0840	--	--	0.03	0.01	0.018	--	--	--

¹Whole water sample acidified in the field.

²Analysis by USGS National Water Quality Laboratory.

Table C4. Barnes Creek near Piedmont, Washington, 12043530, nutrients and suspended sediment.

[°C, degrees Celsius; mg/L, milligrams per liter; <, less than; --, no data. All data, except U.S. Geological Survey National Water Quality Laboratory data, are shown at reporting levels calculated for this study.]

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Gage Height, in feet	Total Nitrogen, in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L	Total Nitrogen, (as N) filtered water, in mg/L	Total Phosphorus, (as P) filtered water, in mg/L	Suspended Sediment, mg/L
April 10, 2006	1400	--	114	--	--	--	--	--	--	--
May 26, 2006	1230	--	--	--	¹ 0.030	¹ 0.011	0.014	--	--	--
² May 26, 2006	1230	--	--	--	<.06	<.02	--	--	--	--
June 29, 2006	1830	--	--	86.11	--	--	--	<0.02	0.006	--
July 31, 2006	1850	11.8	--	85.85	0.02	0.007	0.002	--	--	--
September 1, 2006	1345	9.5	--	85.70	0.09	0.014	0.078	--	--	--
October 4, 2006	1215	--	--	--	0.06	0.015	0.029	--	--	--
October 4, 2006	1600	--	--	--	--	--	--	--	--	2
October 4, 2006	1601	--	--	--	--	--	--	--	--	3
October 9, 2006	1300	--	--	--	--	--	--	--	--	34
November 3, 2006	1215	--	--	--	0.2	0.029	0.062	--	--	--
November 5, 2006	0905	--	--	86.50	0.16	0.027	0.061	--	--	--
November 6, 2006	1315	--	--	--	0.51	0.325	0.04	--	--	--
December 13, 2006	1520	--	--	87.27	0.14	0.69	0.015	--	--	572
January 20, 2007	1310	--	--	--	0.05	0.012	0.014	--	--	1
March 11, 2007	1245	--	--	86.90	--	--	--	--	--	168
March 11, 2007	1845	--	--	87.04	0.09	0.096	0.012	--	--	--
April 26, 2007	1430	6.8	--	86.06	0.02	0.007	0.004	--	--	1
May 31, 2007	1335	--	--	86.25	0.02	0.009	0.002	--	--	3
June 27, 2007	1620	9.8	--	85.96	0.02	0.009	0.003	--	--	2
October 4, 2007	1400	21.6	116	--	0.08	0.01	0.022	--	--	--
October 19, 2007	1020	3.9	111	86.23	0.17	0.017	0.022	--	--	--
October 21, 2007	1545	11.9	100	86.12	0.06	0.012	0.01	--	--	--
November 15, 2007	1500	6.5	98	86.12	0.04	0.007	0.01	--	--	--
November 27, 2007	1415	4.3	116	85.93	0.05	0.006	0.017	--	--	--
February 5, 2008	1640	--	--	--	0.04	0.013	0.013	--	--	--
February 7, 2008	0715	--	--	--	0.04	0.015	0.015	--	--	--
February 13, 2008	0800	--	--	--	0.04	0.011	0.009	--	--	--

Barnes Creek at Mouth near Piedmont, Washington (no station number), nutrients.

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Gage Height, in feet	Total Nitrogen, in mg/L	Total Phosphorus, in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
October 21, 2007	1530	11.2	100	--	0.05	0.009	0.018
November 15, 2007	1510	--	98	--	0.05	0.008	0.01
December 6, 2007	1625	--	--	--	0.07	0.051	0.02

Barnes Creek at 1.1 West near Piedmont, Washington (no station number), nutrients.

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Gage Height, in feet	Total Nitrogen, in mg/L	Total Phosphorus, in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
October 21, 2007	1555	11.7	68	--	0.09	0.017	0.057

¹Whole water sample acidified in the field.

²Analysis by USGS National Water Quality Laboratory.

Table C5. Piedmont Creek at Piedmont, Washington, 480544123472610, nutrients and suspended sediment.

[°C, degrees Celsius; mg/L, milligrams per liter; E, estimated; <, less than; --, no data. All data, except U.S. Geological Survey National Water Quality Laboratory data, are reported to detection limits and reporting levels calculated for this study.]

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L	Total Nitrogen, (as N) filtered water, in mg/L	Total Phosphorus, (as P) filtered water, in mg/L	Suspended Sediment, mg/L
April 10, 2006	1630	--	121	--	--	--	--	--	--
May 26, 2006	1325	--	--	¹ 0.25	¹ 0.017	0.238	--	--	--
May 26, 2006	1330	--	--	¹ 0.25	¹ 0.018	0.24	--	--	--
² May 26, 2006	1325	--	--	0.29	<.02	--	0.26	0.019	--
² May 26, 2006	1330	--	--	0.27	E0.01	--	--	--	--
June 29, 2006	1310	--	--	--	--	--	--	--	--
July 31, 2006	1700	11.1	--	0.25	0.023	0.244	--	--	--
September 7, 2006	1240	--	--	0.24	0.025	0.24	--	--	--
October 4, 2006	1425	--	--	0.25	0.029	0.169	--	--	--
November 3, 2006	1200	--	--	0.95	0.035	0.776	--	--	--
November 4, 2006	1340	--	--	0.99	0.079	0.624	--	--	--
November 6, 2006	1300	--	--	1.4	0.11	0.894	--	--	--
December 12, 2006	1725	6.8	--	0.41	0.024	0.148	--	--	--
January 20, 2007	1045	--	--	0.23	0.014	0.187	--	--	3
March 9, 2007	1200	--	--	--	--	--	--	--	2
March 11, 2007	1210	--	--	0.3	0.035	0.194	--	--	13
March 12, 2007	1200	--	--	--	--	--	--	--	2,221
March 12, 2007	1210	--	--	--	--	--	--	--	15
April 26, 2007	1520	7.9	--	0.24	0.012	0.18	--	--	1
May 31, 2007	1420	--	--	0.29	0.017	0.242	--	--	1
June 27, 2007	1220	9.7	--	0.31	0.017	0.254	--	--	1
October 3, 2007	--	--	--	0.54	0.017	0.383	--	--	--
October 18, 2007	1538	--	176	0.37	0.022	0.193	--	--	--
October 19, 2007	1110	8.8	123	1.11	0.047	0.777	--	--	--
October 21, 2007	1615	8.3	120	1.14	0.024	0.991	--	--	--
November 15, 2007	1330	--	117	0.63	0.017	0.648	--	--	--
November 27, 2007	1240	6.9	108	0.45	0.013	0.372	--	--	--
December 6, 2007	1240	10.9	79	0.56	0.033	0.398	--	--	--
February 5, 2008	1610	--	--	0.42	0.034	0.282	--	--	--
February 7, 2008	0810	--	--	0.48	0.033	0.302	--	--	--
February 13, 2008	0825	--	--	0.18	0.026	0.189	--	--	--

Piedmont Creek at Mouth at Piedmont, Washington (no station number), nutrients.

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, in mg/L	Total Phosphorus, in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
October 3, 2007	--	8.9	194	0.64	0.021	0.335
October 19, 2007	1100	--	--	0.48	0.038	0.293
October 21, 2007	1625	11.3	122	1.18	0.025	0.939
November 15, 2007	1340	--	117	0.74	0.018	0.619

¹Whole water sample acidified in the field.

²Analysis by USGS National Water Quality Laboratory.

Table C6. Lyre River at Piedmont, Washington, 12044000, nutrients.

[°C, degrees Celsius; mg/L, milligrams per liter; E, estimated; <, less than; --, no data. All data, except U.S. Geological Survey National Water Quality Laboratory data, are reported to detection limits and reporting levels calculated for this study.]

Date	Time	Water Temperature, °C	Specific Conductance, µS/cm at 25°C	Total Nitrogen, in mg/L	Total Phosphorus, in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L	Total Nitrogen, filtered water, in mg/L	Total Phosphorus, filtered water, in mg/L
May 26, 2006	1410	--	121	¹ E0.03	¹ E0.008	<0.004	--	--
² May 26, 2006	1415	--	--	<.06	<.02	--	--	--
June 29, 2006	1230	18.7	--	--	--	--	<0.05	E0.008
July 31, 2006	1530	10.7	--	E0.02	E0.008	<0.004	--	--
September 7, 2006	1030	--	--	0.06	0.012	0.012	--	--
September 7, 2006	1030	--	--	E0.03	0.01	E0.002	--	--
October 4, 2006	1505	--	--	E0.05	0.017	<0.004	--	--
November 4, 2006	1220	--	--	0.06	0.01	0.005	--	--
December 12, 2006	1510	8.5	--	E0.05	0.009	E0.002	--	--
January 20, 2007	1010	--	--	E0.04	E0.008	0.013	--	--
March 11, 2007	0900	7.8	--	E0.02	0.009	<0.004	--	--
April 26, 2007	1610	--	--	E0.04	E0.005	<0.004	--	--
May 31, 2007	1600	--	--	E0.04	E0.007	<0.004	--	--
June 27, 2007	1125	15.7	--	E0.04	E0.008	0.005	--	--
October 4, 2007	1515	5.3	116	0.07	E0.007	E0.002	--	--
October 18, 2007	1555	21.7	117	0.06	E0.008	<0.004	--	--
October 19, 2007	1035	--	--	0.09	0.015	E0.002	--	--
October 21, 2007	1630	8.5	116	0.06	E0.008	0.005	--	--
November 15, 2007	1400	--	116	E0.05	E0.006	E0.003	--	--
November 27, 2007	1210	9.6	123	E0.05	E0.005	<0.004	--	--
December 6, 2007	1430	12.1	115	0.07	E0.009	0.013	--	--
February 5, 2008	1550	--	--	E0.05	0.012	0.014	--	--
February 7, 2008	1430	--	--	0.07	0.012	0.024	--	--
February 13, 2008	0845	--	--	E0.04	0.013	0.011	--	--

¹Whole water sample acidified in the field.

²Analytical results from U.S. Geological Survey National Water Quality Laboratory, Denver, Colorado.

Table C7. Lake Crescent station LS02 480508123455710, nutrients

[mg/L, milligrams per liter; E, estimated; <, less than. All data are reported to detection limits and reporting levels calculated for this study.]

Date	Time	Sampling Depth, in meters	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, (as N) in mg/L
June 20, 2006	1500	1	E 0.03	E 0.006	< 0.004
June 20, 2006	1400	20	E 0.04	E 0.006	< 0.004
June 20, 2006	1230	40	E 0.03	E 0.007	< 0.004
June 20, 2006	1330	80	E 0.05	E 0.008	0.014
June 20, 2006	1300	130	E 0.05	E 0.008	0.019
July 27, 2006	1240	1	E 0.03	0.009	< 0.004
July 27, 2006	1230	20	E 0.03	E 0.008	< 0.004
July 27, 2006	1220	40	E 0.03	0.011	< 0.004
July 27, 2006	1210	80	E 0.03	0.01	0.008
July 27, 2006	1200	130	E 0.04	0.011	0.02
August 29, 2006	1430	1	E 0.05	0.013	< 0.004
August 29, 2006	1420	20	E 0.05	0.018	< 0.004
August 29, 2006	1410	130	E 0.05	0.02	< 0.004
October 4, 2006	1540	1	E 0.05	0.015	< 0.004
October 4, 2006	1530	20	E 0.05	0.015	< 0.004
October 4, 2006	1520	136	0.06	0.018	0.026
October 31, 2006	1040	1	0.06	E 0.008	< 0.004
October 31, 2006	0950	20	0.06	0.011	< 0.004
October 31, 2006	1000	40	E 0.05	0.009	< 0.004
October 31, 2006	1010	80	E 0.05	0.009	0.01
October 31, 2006	1030	130	0.07	0.012	0.03
December 19, 2006	1550	1	E 0.04	E 0.008	E 0.002
December 19, 2006	1540	20	E 0.04	0.009	E 0.002
December 19, 2006	1530	40	E 0.05	0.009	E 0.002
December 19, 2006	1515	80	E 0.04	0.009	E 0.002
December 19, 2006	1500	130	E 0.05	0.01	0.026
January 25, 2007	1230	1	E 0.04	E 0.006	0.014
January 25, 2007	1245	20	E 0.05	E 0.007	0.01
January 25, 2007	1300	40	E 0.03	E 0.007	0.013
January 25, 2007	1315	80	E 0.03	E 0.008	0.013
January 25, 2007	1330	135	E 0.05	E 0.008	0.012
February 26, 2007	1325	1	E 0.03	0.009	0.006
February 26, 2007	1240	20	E 0.03	E 0.008	E 0.004
February 26, 2007	1250	40	E 0.03	E 0.008	E 0.004
February 26, 2007	1300	80	0.06	0.009	0.02
February 26, 2007	1320	135	E 0.04	0.009	0.033
April 4, 2007	1645	1	E 0.03	0.01	< 0.004
April 4, 2007	1545	20	E 0.04	E 0.008	< 0.004
April 4, 2007	1615	40	E 0.03	0.009	E 0.003
April 4, 2007	1600	80	E 0.04	E 0.008	0.015
April 4, 2007	1610	130	E 0.05	E 0.008	E 0.004
May 23, 2007	1435	1	E 0.05	E 0.007	E 0.002
May 23, 2007	1430	20	E 0.05	E 0.008	< 0.004
May 23, 2007	1425	40	0.06	E 0.008	< 0.004
May 23, 2007	1420	80	0.06	0.009	0.016
May 23, 2007	1410	135	E 0.05	0.009	0.014
June 25, 2007	1005	1	E 0.05	0.009	< 0.004
June 25, 2007	1050	20	0.06	0.01	< 0.004
June 25, 2007	1027	40	E 0.05	E 0.008	E 0.003
June 25, 2007	1035	80	E 0.05	0.01	0.016
June 25, 2007	1050	130	E 0.05	0.012	0.021

Date	Time	Sampling Depth, in meters	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, (as N) in mg/L
July 23, 2007	1154	1	E 0.05	E 0.007	< 0.004
July 23, 2007	1200	20	E 0.05	E 0.007	< 0.004
July 23, 2007	1206	40	0.06	0.009	< 0.004
July 23, 2007	1220	80	0.06	0.009	0.015
July 23, 2007	1230	130	0.1	0.013	0.025
August 21, 2007	1153	1	E 0.04	E 0.007	< 0.004
August 21, 2007	1157	20	E 0.04	E 0.006	< 0.004
August 21, 2007	1205	40	E 0.04	E 0.007	< 0.004
August 21, 2007	1212	80	E 0.04	0.009	0.018
August 21, 2007	1226	130	E 0.04	0.011	0.019
September 25, 2007	1140	1	E 0.04	E 0.008	< 0.004
September 25, 2007	1130	20	E 0.04	0.009	< 0.004
September 25, 2007	1120	40	E 0.04	E 0.008	< 0.004
September 25, 2007	1110	80	E 0.04	0.01	0.007
September 25, 2007	1100	130	E 0.03	0.01	0.007
October 24, 2007	1140	1	E 0.05	E 0.007	< 0.004
October 24, 2007	1130	20	E 0.05	E 0.007	< 0.004
October 24, 2007	1120	40	E 0.04	E 0.006	< 0.004
October 24, 2007	1110	80	E 0.05	E 0.008	0.012
October 24, 2007	1100	130	E 0.05	0.009	0.025
November 26, 2007	1005	1	E 0.05	E 0.008	< 0.004
November 26, 2007	1018	20	E 0.05	E 0.006	< 0.004
November 26, 2007	1025	40	E 0.04	E 0.007	0.005
November 26, 2007	1036	80	E 0.05	E 0.007	0.014
November 26, 2007	1048	130	0.06	0.01	0.027

Table C8. Lake Crescent station LS04 480333123503210, nutrients.

[mg/L, milligrams per liter; E, estimated; <, less than. All data are reported to detection limits and reporting levels calculated for this study.]

Date	Time	Sampling Depth, in meters	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
June 20, 2006	1800	1	E 0.04	E 0.007	< 0.004
June 20, 2006	1730	20	E 0.04	E 0.006	< 0.004
June 20, 2006	1600	40	E 0.02	E 0.008	< 0.004
June 20, 2006	1700	80	E 0.04	E 0.008	0.013
June 20, 2006	1360	140	E 0.04	0.01	0.009
July 27, 2006	1120	1	E 0.03	E 0.006	< 0.004
July 27, 2006	1110	20	E 0.02	E 0.008	< 0.004
July 27, 2006	1100	40	E 0.03	E 0.008	< 0.004
July 27, 2006	1050	80	E 0.03	0.009	0.005
July 27, 2006	1040	130	E 0.04	0.009	0.017
July 27, 2006	1030	160	E 0.04	0.01	0.021
August 29, 2006	1540	1	E 0.04	0.011	< 0.004
August 29, 2006	1530	20	E 0.03	0.012	< 0.004
August 29, 2006	1520	155	E 0.05	0.013	0.02
October 4, 2006	1620	1	E 0.04	0.012	< 0.004
October 4, 2006	1610	20	E 0.05	0.012	< 0.004
October 4, 2006	1600	155	E 0.05	0.016	0.023
October 31, 2006	1230	1	0.06	0.011	< 0.004
October 31, 2006	1130	20	0.06	0.01	< 0.004
October 31, 2006	1145	40	E 0.06	0.01	< 0.004
October 31, 2006	1200	130	0.06	0.011	0.022
October 31, 2006	1215	175	0.07	0.015	0.028
December 19, 2006	1440	1	E 0.04	E 0.008	E 0.004
December 19, 2006	1420	20	E 0.04	E 0.008	E 0.004
December 19, 2006	1430	40	E 0.04	0.011	E 0.004
December 19, 2006	1410	130	E 0.05	0.011	E 0.003
December 19, 2006	1400	175	E 0.04	0.013	0.006
January 25, 2007	1430	1	E 0.03	E 0.005	0.017
January 25, 2007	1445	20	E 0.04	E 0.007	0.016
January 25, 2007	1500	40	E 0.04	E 0.008	0.014
January 25, 2007	1515	80	E 0.02	E 0.006	0.011
January 25, 2007	1530	170	E 0.05	0.012	0.012
February 26, 2007	1430	1	E 0.04	E 0.008	0.013
April 4, 2007	1515	1	E 0.05	0.009	< 0.004
April 4, 2007	1400	20	0.07	0.01	< 0.004
April 4, 2007	1445	80	0.07	E 0.008	0.01
April 4, 2007	1415	130	0.07	E 0.008	0.015
April 4, 2007	1430	170	0.08	E 0.005	0.019
May 23, 2007	1345	1	E 0.04	E 0.008	< 0.004
May 23, 2007	1315	20	0.06	0.01	E 0.002
May 23, 2007	1320	40	E 0.05	E 0.008	< 0.004
May 23, 2007	1330	80	E 0.04	0.009	0.013
May 23, 2007	1340	175	0.07	0.011	0.008
June 21, 2007	1123	1	0.07	0.012	E 0.002
June 21, 2007	1133	20	E 0.04	0.012	< 0.004
June 21, 2007	1128	40	E 0.05	0.01	< 0.004
June 21, 2007	1148	80	0.06	0.009	0.014

Date	Time	Sampling Depth, in meters	Total Nitrogen, (as N) in mg/L	Total Phosphorus, (as P) in mg/L	Nitrite-plus-Nitrate Nitrogen, in mg/L
June 21, 2007	1200	175	0.06	0.011	0.026
July 23, 2007	1055	1	0.06	0.009	< 0.004
July 23, 2007	1053	20	0.07	E 0.008	< 0.004
July 23, 2007	1101	40	0.08	0.009	< 0.004
July 23, 2007	1113	130	0.1	0.009	0.02
July 23, 2007	1130	175	0.07	0.012	0.026
August 21, 2007	1045	1	E 0.04	E 0.007	< 0.004
August 21, 2007	1053	20	E 0.03	E 0.007	< 0.004
August 21, 2007	1101	40	E 0.03	E 0.007	< 0.004
August 21, 2007	1107	80	E 0.04	0.009	0.011
August 21, 2007	1123	175	E 0.04	0.011	0.025
September 25, 2007	1040	1	E 0.04	E 0.007	< 0.004
September 25, 2007	1030	20	E 0.04	E 0.007	< 0.004
September 25, 2007	1020	40	E 0.04	E 0.007	< 0.004
September 25, 2007	1010	130	E 0.05	0.009	0.008
September 25, 2007	1000	40	0.06	0.012	0.028
October 24, 2007	1040	80	E 0.05	E 0.008	< 0.004
October 24, 2007	1030	130	E 0.05	E 0.008	< 0.004
October 24, 2007	1020	1	E 0.04	E 0.008	< 0.004
October 24, 2007	1010	20	E 0.03	0.009	E 0.004
October 24, 2007	1000	40	0.06	0.013	0.022
November 26, 2007	1145	80	E 0.05	E 0.007	< 0.004
November 26, 2007	1200	1	E 0.05	E 0.008	< 0.004
November 26, 2007	1205	20	E 0.04	E 0.007	0.024
November 26, 2007	1235	40	E 0.05	0.01	0.025
November 26, 2007	1150	130	E 0.05	E 0.007	< 0.004

Table C9. Lake Crescent station LS02 480508123455710, July 26, 2006, major-ion and trace-element analyses from U.S. Geological Survey National Water Quality Laboratory, Denver Colorado.

[mg/L, milligrams per liter; ANC, Acid neutralizing capacity, laboratory fixed endpoint at 4.5 pH; CaCO₃, calcium carbonate; ROE at 180°C, Residue on evaporation, dried at 180 degrees Celsius; µg/L, micrograms per liter; µS/cm at 25°C, microsiemens per centimeter at 25 degrees Celsius; E, estimated; <, less than.]

Time	Sampling Depth, meters	Calcium, water, filtered, mg/L	Magnesium, water, filtered, mg/L	Potassium, water, filtered, mg/L	Sodium, water, filtered, mg/L	ANC, water, filtered, mg/L as CaCO ₃	Bromide, water, filtered, mg/L	Chloride, water, filtered, mg/L	Fluoride, water, filtered, mg/L	Silica, water, filtered, mg/L	Sulfate, water, filtered, mg/L	ROE, water, filtered, mg/L	Aluminum, water, filtered, µg/L
1255	1	15.9	2.56	0.18	3.53	51	<.02	1.78	<.1	7.08	6.9	66	--
1200	130	15.7	2.54	0.19	3.55	51	<.02	1.77	<.1	7.43	6.9	67	<2

Time	Sampling Depth, meters	Antimony, water, filtered, µg/L	Arsenic, water, filtered, µg/L	Barium, water, filtered, µg/L	Beryllium, water, filtered, µg/L	Boron, water, filtered, µg/L	Cadmium, water, filtered, µg/L	Chromium, water, filtered, µg/L	Cobalt, water, filtered, µg/L	Copper, water, filtered, µg/L	Iron, water, filtered, µg/L	Lead, water, filtered, µg/L	Lithium, water, filtered, µg/L
1255	1	--	--	--	--	--	--	--	--	--	<6	--	--
1200	130	<.20	0.23	8	<.06	17	<.04	0.22	<.04	<.40	<6	<.08	0.7

Time	Sampling Depth, meters	Manganese, water, filtered, µg/L	Molybdenum, water, filtered, µg/L	Nickel, water, filtered, µg/L	Selenium, water, filtered, µg/L	Silver, water, filtered, µg/L	Strontium, water, filtered, µg/L	Thallium, water, filtered, µg/L	Vanadium, water, filtered, µg/L	Zinc, water, filtered, µg/L	Uranium (natural), water, filtered, µg/L
1255	1	<.6	--	--	--	--	--	--	--	--	--
1200	130	<.2	E.3	E.03	0.2	<.2	71.9	<.04	1.7	E.30	<.04

Time	Sampling Depth, meters	pH, water, unfiltered, laboratory, standard units	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C
1255	1	7.1	117
1200	130	7.0	117

Table C10. Lake Crescent station LS04 480333123503210, July 26, 2006, major-ion and trace-element analyses from U.S. Geological Survey National Water Quality Laboratory, Denver Colorado

[mg/L, milligrams per liter; ANC, Acid neutralizing capacity, laboratory fixed endpoint at 4.5 pH; CaCO₃, calcium carbonate; ROE at 180°C, Residue on evaporation, dried at 180 degrees Celsius; µg/L, micrograms per liter; µS/cm at 25°C, microsiemens per centimeter at 25 degrees Celsius; E, estimated; <, less than.]

Time	Sampling Depth, meters	Calcium, water, filtered, mg/L	Magnesium, water, filtered, mg/L	Potassium, water, filtered, mg/L	Sodium, water, filtered, mg/L	ANC, water, filtered, mg/L as CaCO ₃	Bromide, water, filtered, mg/L	Chloride, water, filtered, mg/L	Fluoride, water, filtered, mg/L	Silica, water, filtered, mg/L	Sulfate, water, filtered, mg/L	ROE, water, filtered, mg/L	Aluminum, water, filtered, µg/L
1300	1	16.0	2.58	E.16	3.59	51	<.02	1.78	<.1	7.09	6.8	70	--
1150	160	16.1	2.59	0.17	3.69	51	<.02	1.79	<.1	7.51	7.0	72	<2

Time	Sampling Depth, meters	Antimony, water, filtered, µg/L	Arsenic, water, filtered, µg/L	Barium, water, filtered, µg/L	Beryllium, water, filtered, µg/L	Boron, water, filtered, µg/L	Cadmium, water, filtered, µg/L	Chromium, water, filtered, µg/L	Cobalt, water, filtered, µg/L	Copper, water, filtered, µg/L	Iron, water, filtered, µg/L	Lead, water, filtered, µg/L	Lithium, water, filtered, µg/L
1300	1	--	--	--	--	--	--	--	--	--	<6	--	--
1150	160	<.20	0.23	8	<.06	18	<.04	0.23	<.04	E.22	<6	<.08	0.7

Time	Sampling Depth, meters	Manganese, water, filtered, µg/L	Molybdenum, water, filtered, µg/L	Nickel, water, filtered, µg/L	Selenium, water, filtered, µg/L	Silver, water, filtered, µg/L	Strontium, water, filtered, µg/L	Thallium, water, filtered, µg/L	Vanadium, water, filtered, µg/L	Zinc, water, filtered, µg/L	Uranium (natural), water, filtered, µg/L
1300	1	<.6	--	--	--	--	--	--	--	--	--
1150	160	<.2	E.3	E.03	0.22	<.2	73.3	<.04	1.7	<.60	<.04

Time	Sampling Depth, meters	pH, water, unfiltered, laboratory, standard units	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C
1300	1	6.9	117
1150	160	6.8	117