



Upper Peninsula Power Company
(a subsidiary of WPS Resources Corporation)
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2005 AUG 11 P 2:34
FEDERAL ENERGY
REGULATORY COMMISSION

ORIGINAL

August 9, 2005

FERC Project No. 1864-039

Ms. Magalie R. Salas, Secretary
Federal Energy Regulatory Commission
Mail Code: DTCA, HL 21.3
888 First Street, N.E.
Washington, DC 20426

Dear Secretary Salas:

Bond Falls Hydroelectric Project Water Quality Monitoring Data

As per the Order Modifying and Approving Water Quality Monitoring Plan Under Article 409, dated February 16, 2005, Upper Peninsula Power Company (UPPCO) is submitting a notice of deviations from the water quality standards observed so far during the 2005-monitoring year.

Per the water quality-monitoring plan for the Bond Falls Hydroelectric Project, dissolved oxygen (D.O.) and temperature are being monitored below the Cisco Dam on the Cisco Branch of the Ontonagon River, and below the Victoria Powerhouse on the West Branch of the Ontonagon River. The water quality standard in the Ontonagon River below the Cisco Dam is 5.0 mg/l D.O. The water quality standard in the Ontonagon River below the Victoria Powerhouse is 7.0 mg/l D.O. Hourly readings have been observed below the water quality standard at both water quality-monitoring locations. UPPCO believes these deviations are due to low water flow and warm temperatures that have been observed throughout the Upper Peninsula of Michigan.

Copies of the D.O. and temperature data from the Cisco Dam monitoring location during the periods when deviations have been observed are included in Appendix A. USGS gauge height information from a station near the Cisco Dam is also included. Dissolved oxygen data has been corrected for any loss of instrument calibration greater than 0.10 mg/l. The data shows that when there is water flow over the Cisco Dam (gauge height is high), the water quality standard is achieved. Periods of deviations from the water quality standard are observed when the water flow is low.

Copies of the D.O., temperature, and generation output data during the periods when deviations have been observed below the water quality standard at the Victoria Powerhouse monitoring location are included in Appendix B. Dissolved oxygen data has been corrected for any loss of instrument calibration greater than 0.10 mg/l. The

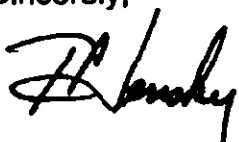
Ms. Magalie R. Salas, Secretary
August 9, 2005
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data shows deviations from the water quality standard typically occur when generation is low. Electrical generation has been limited this year due to unusually high temperatures and dry conditions. Additionally, water used for generation at the Victoria Powerhouse is taken from the bottom of the reservoir. D.O. profiles conducted during 2005 are included in Appendix C. Low D.O. water has been observed at the bottom of the reservoir.

Upper Peninsula Power Company (UPPCO) has consulted with the Bond Falls Implementation Team about the water quality monitoring data. Documentation of Agency Consultation is included in Appendix D.

If you have any questions, please do not hesitate to call Mr. Mark Metcalf at (920) 433-1833.

Sincerely,



Terry P. Jensky
Assistant Vice President - Energy Supply Operations
for Wisconsin Public Service Corporation
Telephone: (920) 433-2277

Enc.

cc: Mr. Gil Snyder, WPSC - D2
Mr. Shawn Puzen, WPSC - D2
Ms. Peggy Harding, FERC - Chicago
Ms. Joan Johaneck, WPSC - D2 (file)
Mr. Bob Meyers, UPPCO - UIS (cover only)
Bond Falls Implementation Team (cover only)

Appendix A

Water Quality Monitoring Data: Downstream of the Cisco Dam

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date MMDDYY	Time HHMMSS	Temp °C	pH Units	SpCond mS/cm	DO% Sat	Corrected DO mg/l	USGS Gauge Height
6/19/2005	12:00:00	25.58	7.88	0.0929	128.6	9.53	
6/19/2005	13:00:00	27.34	8.10	0.0932	138.5	9.95	
6/19/2005	14:00:00	28.90	8.26	0.0946	145.0	10.14	
6/19/2005	15:00:00	29.42	8.32	0.0965	142.6	9.87	
6/19/2005	16:00:00	29.26	8.24	0.0977	133.9	9.29	
6/19/2005	17:00:00	28.64	8.06	0.0996	120.4	8.41	
6/19/2005	18:00:00	27.75	7.94	0.1004	113.1	8.02	
6/19/2005	19:00:00	27.20	7.80	0.1005	104.5	7.48	
6/19/2005	20:00:00	26.26	7.66	0.101	95.0	6.90	
6/19/2005	21:00:00	25.21	7.54	0.101	84.1	6.21	
6/19/2005	22:00:00	24.05	7.43	0.1034	73.9	5.56	
6/19/2005	23:00:00	23.52	7.36	0.1039	65.4	4.94	
6/20/2005	0:00:00	23.13	7.31	0.1024	60.7	4.62	
6/20/2005	1:00:00	22.51	7.29	0.1022	59.2	4.55	
6/20/2005	2:00:00	22.15	7.27	0.1018	57.5	4.44	
6/20/2005	3:00:00	21.88	7.26	0.1033	56.0	4.35	
6/20/2005	4:00:00	21.64	7.24	0.1024	54.4	4.24	
6/20/2005	5:00:00	21.24	7.23	0.1017	52.5	4.12	
6/20/2005	6:00:00	21.07	7.23	0.1029	53.1	4.18	
6/20/2005	7:00:00	21.04	7.26	0.102	58.0	4.59	
6/20/2005	8:00:00	21.09	7.31	0.1014	67.5	5.36	
6/20/2005	9:00:00	21.53	7.41	0.1005	81.5	6.45	
6/20/2005	10:00:00	22.32	7.56	0.0988	96.7	7.57	
6/20/2005	11:00:00	23.13	7.73	0.098	110.6	8.55	
6/20/2005	12:00:00	24.00	7.94	0.0981	121.7	9.27	
6/20/2005	13:00:00	25.80	8.24	0.0974	136.2	10.04	
6/20/2005	14:00:00	27.45	8.48	0.0981	145.8	10.44	
6/20/2005	15:00:00	28.99	8.59	0.0981	149.7	10.43	
6/20/2005	16:00:00	29.12	8.55	0.0982	142.4	9.89	
6/20/2005	17:00:00	28.61	8.41	0.0999	127.0	8.88	
6/20/2005	18:00:00	27.95	8.25	0.1004	116.0	8.19	
6/20/2005	19:00:00	27.09	8.05	0.1017	103.9	7.44	
6/20/2005	20:00:00	26.13	7.76	0.1022	87.8	6.37	
6/20/2005	21:00:00	25.24	7.59	0.1041	76.6	5.62	
6/20/2005	22:00:00	24.53	7.45	0.1047	66.1	4.90	
6/20/2005	23:00:00	23.79	7.37	0.1056	58.2	4.35	
6/21/2005	0:00:00	23.14	7.32	0.1054	53.1	3.99	
6/21/2005	1:00:00	22.65	7.28	0.1061	49.9	3.77	
6/21/2005	2:00:00	22.10	7.26	0.1065	47.6	3.63	
6/21/2005	3:00:00	21.65	7.24	0.1073	47.0	3.62	
6/21/2005	4:00:00	21.32	7.23	0.1067	45.4	3.51	
6/21/2005	5:00:00	20.97	7.24	0.1067	44.5	3.47	
6/21/2005	6:00:00	20.65	7.21	0.107	45.6	3.57	
6/21/2005	7:00:00	20.50	7.25	0.1075	49.3	3.90	
6/21/2005	8:00:00	20.43	7.28	0.107	54.1	4.31	
6/21/2005	9:00:00	20.52	7.31	0.105	60.4	4.82	
6/21/2005	10:00:00	21.36	7.42	0.1047	77.3	6.11	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
6/21/2005	11:00:00	23.02	7.60	0.1042	98.8	7.62	
6/21/2005	12:00:00	25.58	7.97	0.1042	123.1	9.09	
6/21/2005	13:00:00	28.21	8.32	0.1026	144.8	10.22	
6/21/2005	14:00:00	29.37	8.46	0.1027	146.5	10.13	
6/21/2005	15:00:00	30.43	8.62	0.1029	156.6	10.62	
6/21/2005	16:00:00	30.53	8.69	0.1012	147.7	9.99	
6/21/2005	17:00:00	29.69	8.63	0.1027	131.8	9.03	
6/21/2005	18:00:00	28.62	8.50	0.1038	115.6	8.05	
6/21/2005	19:00:00	27.69	8.36	0.1054	105.0	7.42	
6/21/2005	20:00:00	27.01	8.24	0.1062	88.3	6.28	
6/21/2005	21:00:00	26.37	8.04	0.1075	84.8	6.10	
6/21/2005	22:00:00	24.85	7.80	0.1095	66.7	4.89	
6/21/2005	23:00:00	23.92	7.61	0.1112	60.6	4.51	
6/22/2005	0:00:00	22.70	7.49	0.114	54.3	4.11	
6/22/2005	1:00:00	22.10	7.42	0.1123	50.9	3.89	
6/22/2005	2:00:00	21.46	7.36	0.1131	43.1	3.31	
6/22/2005	3:00:00	20.78	7.32	0.1139	40.0	3.09	
6/22/2005	4:00:00	20.01	7.29	0.1147	37.9	2.97	
6/22/2005	5:00:00	19.48	7.28	0.1167	37.9	3.00	
6/22/2005	6:00:00	19.08	7.28	0.116	40.0	3.21	
6/22/2005	7:00:00	18.78	7.32	0.1144	45.8	3.72	
6/22/2005	8:00:00	18.68	7.33	0.1151	49.6	4.05	
6/22/2005	9:00:00	18.55	7.35	0.1156	54.1	4.46	
6/22/2005	10:00:00	19.26	7.42	0.1138	65.5	5.36	
6/22/2005	11:00:00	20.60	7.66	0.1181	80.6	6.47	
6/22/2005	12:00:00	21.48	8.04	0.16	93.9	7.43	
6/22/2005	13:00:00	22.96	8.20	0.1768	98.6	7.59	
6/22/2005	14:00:00	23.91	8.32	0.1469	99.1	7.49	
6/22/2005	15:00:00	28.08	9.09	0.1273	132.1	9.86	
6/22/2005	16:00:00	27.72	9.06	0.1290	123.4	9.29	
6/22/2005	17:00:00	25.02	8.99	0.1425	112.5	8.90	
6/22/2005	18:00:00	24.63	9.47	0.1437	100.7	8.03	
6/22/2005	19:00:00	21.29	9.32	0.1550	98.4	8.38	
6/22/2005	20:00:00	21.09	8.76	0.1652	87.2	7.44	
6/22/2005	21:00:00	20.77	8.62	0.1632	74.8	6.44	
6/22/2005	22:00:00	18.88	8.19	0.1760	67.2	6.03	
6/22/2005	23:00:00	17.11	8.21	0.1976	50.8	4.73	
6/23/2005	0:00:00	16.09	8.07	0.1968	46.3	4.40	
6/23/2005	1:00:00	15.47	8.02	0.2040	41.6	4.00	
6/23/2005	2:00:00	14.80	8.01	0.1979	37.7	3.70	
6/23/2005	3:00:00	16.42	7.94	0.1871	35.3	3.35	
6/23/2005	4:00:00	15.47	7.93	0.1897	34.6	3.35	
6/23/2005	5:00:00	16.44	7.82	0.1728	32.6	3.11	
6/23/2005	6:00:00	15.99	7.87	0.1784	32.0	3.09	
6/23/2005	7:00:00	16.07	7.81	0.1753	34.0	3.26	
6/23/2005	8:00:00	15.35	7.93	0.1756	41.0	3.99	
6/23/2005	9:00:00	16.00	8.02	0.1768	55.3	5.27	
6/23/2005	10:00:00	16.76	8.24	0.1727	64.9	6.11	
6/23/2005	11:00:00	17.80	8.45	0.1831	83.0	7.62	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
6/23/2005	12:00:00	18.23	8.75	0.1843	102.3	9.31	
6/23/2005	13:00:00	20.31	9.48	0.1928	118.8	10.35	
6/23/2005	14:00:00	22.89	9.35	0.1713	134.1	11.11	
6/23/2005	15:00:00	24.89	9.70	0.1793	132.2	10.56	
6/23/2005	16:00:00	25.47	8.95	0.1584	118.5	9.38	
6/23/2005	17:00:00	23.48	9.43	0.1612	109.4	9.00	
6/23/2005	18:00:00	21.40	9.23	0.1760	94.4	8.09	
6/23/2005	19:00:00	19.70	8.64	0.1816	79.7	7.08	
6/23/2005	20:00:00	17.05	8.75	0.1963	65.6	6.16	
6/23/2005	21:00:00	17.18	8.68	0.1928	53.9	5.07	
6/23/2005	22:00:00	14.91	8.19	0.2130	39.0	3.88	
6/23/2005	23:00:00	13.54	8.12	0.2280	28.1	2.92	
6/24/2005	0:00:00	13.17	8.09	0.2360	22.2	2.36	
6/24/2005	1:00:00	12.87	8.08	0.2370	19.8	2.14	
6/24/2005	2:00:00	12.57	8.04	0.2370	17.4	1.90	
6/24/2005	3:00:00	12.02	8.06	0.2370	15.6	1.74	
6/24/2005	4:00:00	11.95	8.07	0.2420	15.3	1.73	
6/24/2005	5:00:00	12.37	8.06	0.2320	15.5	1.73	
6/24/2005	6:00:00	11.82	8.07	0.2370	14.9	1.70	
6/24/2005	7:00:00	12.34	8.10	0.2250	21.4	2.35	
6/24/2005	8:00:00	12.87	8.17	0.2230	29.4	3.13	
6/24/2005	9:00:00	13.20	8.25	0.2250	39.4	4.12	
6/24/2005	10:00:00	14.40	8.37	0.2130	55.3	5.57	
6/24/2005	11:00:00	15.24	8.50	0.2080	69.8	6.87	
6/24/2005	12:00:00	14.48	8.53	0.2190	74.9	7.49	
6/24/2005	13:00:00	14.79	8.58	0.2180	75.4	7.48	
6/24/2005	14:00:00	14.66	8.56	0.2220	75.7	7.53	
6/24/2005	15:00:00	14.14	8.51	0.2300	67.2	6.79	
6/24/2005	16:00:00	13.94	8.61	0.2310	71.1	7.21	
6/24/2005	17:00:00	14.13	8.61	0.2280	67.8	6.85	
6/24/2005	18:00:00	13.21	8.48	0.2330	60.2	6.24	
6/24/2005	19:00:00	12.86	8.37	0.2340	48.8	5.13	
6/24/2005	20:00:00	13.05	8.32	0.2340	41.9	4.41	
6/24/2005	21:00:00	12.55	8.23	0.2410	35.4	3.80	
6/24/2005	22:00:00	12.19	8.16	0.2410	29.5	3.24	
6/24/2005	23:00:00	12.27	8.09	0.2370	27.1	3.00	
6/25/2005	0:00:00	11.88	8.06	0.2400	20.9	2.39	
6/25/2005	1:00:00	11.17	8.06	0.2430	22.0	2.55	
6/25/2005	2:00:00	11.11	8.05	0.2420	19.1	2.24	
6/25/2005	3:00:00	11.28	8.05	0.2360	19.0	2.23	
6/25/2005	4:00:00	10.59	8.06	0.2400	18.1	2.17	
6/25/2005	5:00:00	10.31	8.01	0.2350	20.8	2.47	
6/25/2005	6:00:00	12.60	8.01	0.2230	15.7	1.85	
6/25/2005	7:00:00	11.04	8.04	0.2200	28.9	3.30	
6/25/2005	8:00:00	10.91	8.09	0.2260	29.7	3.39	
6/25/2005	9:00:00	11.07	8.20	0.2310	35.7	4.02	
6/25/2005	10:00:00	11.35	8.32	0.2270	40.1	4.45	
6/25/2005	11:00:00	13.79	8.40	0.2210	45.6	4.78	
6/25/2005	12:00:00	15.06	8.55	0.2150	61.0	6.14	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
6/25/2005	13:00:00	16.88	8.70	0.2290	77.9	7.50	
6/25/2005	14:00:00	17.66	8.64	0.2390	83.3	7.88	
6/25/2005	15:00:00	18.57	8.68	0.2320	93.0	8.59	
6/25/2005	16:00:00	17.30	8.63	0.2310	79.7	7.61	
6/25/2005	17:00:00	15.88	8.52	0.2160	66.3	6.57	
6/25/2005	18:00:00	14.42	8.33	0.2230	47.6	4.95	
6/25/2005	19:00:00	13.40	8.37	0.2230	45.5	4.84	
6/25/2005	20:00:00	12.79	8.28	0.2370	34.9	3.83	
6/25/2005	21:00:00	12.15	8.16	0.2420	27.5	3.13	
6/25/2005	22:00:00	11.93	8.13	0.2370	25.0	2.89	
6/25/2005	23:00:00	11.22	8.08	0.2450	21.4	2.56	
6/26/2005	0:00:00	11.17	8.07	0.2420	19.5	2.37	
6/26/2005	1:00:00	10.41	8.07	0.2560	12.1	1.62	
6/26/2005	2:00:00	10.28	8.09	0.2500	14.8	1.92	
6/26/2005	3:00:00	10.76	8.08	0.2500	12.2	1.63	
6/26/2005	4:00:00	10.65	8.08	0.2570	10.5	1.45	
6/26/2005	5:00:00	10.76	8.05	0.2500	12.3	1.64	
6/26/2005	6:00:00	10.67	8.06	0.2510	11.8	1.60	
6/26/2005	7:00:00	10.53	8.09	0.2560	13.5	1.79	
6/26/2005	8:00:00	10.51	8.19	0.2570	19.0	2.38	
6/26/2005	9:00:00	10.88	8.32	0.2600	25.1	3.00	
6/26/2005	10:00:00	11.36	8.38	0.2490	33.1	3.82	
6/26/2005	11:00:00	11.81	8.47	0.2540	41.8	4.68	
6/26/2005	12:00:00	11.93	8.51	0.2500	45.4	5.06	
6/26/2005	13:00:00	12.13	8.54	0.2560	48.4	5.34	
6/26/2005	14:00:00	12.09	8.51	0.2550	47.4	5.24	
6/26/2005	15:00:00	13.31	8.57	0.2580	53.7	5.75	
6/26/2005	16:00:00	13.05	8.57	0.2600	52.8	5.70	
6/26/2005	17:00:00	12.76	8.51	0.2520	48.8	5.33	
6/26/2005	18:00:00	12.23	8.48	0.2490	45.2	5.02	
6/26/2005	19:00:00	11.54	8.42	0.2470	39.9	4.55	
6/26/2005	20:00:00	11.31	8.39	0.2520	34.0	3.95	
6/26/2005	21:00:00	10.99	8.31	0.2560	25.6	3.10	
6/26/2005	22:00:00	10.85	8.24	0.2560	22.1	2.73	
6/26/2005	23:00:00	10.57	8.20	0.2620	16.2	2.14	
6/27/2005	0:00:00	10.31	8.15	0.2610	14.1	1.91	
6/27/2005	1:00:00	9.62	8.12	0.2710	10.9	1.60	
6/27/2005	2:00:00	9.80	8.11	0.2670	10.3	1.53	
6/27/2005	3:00:00	9.89	8.12	0.2710	9.4	1.43	
6/27/2005	4:00:00	9.81	8.11	0.2680	9.1	1.42	
6/27/2005	5:00:00	10.08	8.10	0.2650	9.6	1.46	
6/27/2005	6:00:00	10.14	8.09	0.2630	9.4	1.45	
6/27/2005	7:00:00	10.04	8.12	0.2640	12.2	1.76	
6/27/2005	8:00:00	10.42	8.18	0.2650	16.2	2.17	
6/27/2005	9:00:00	11.04	8.30	0.2630	25.3	3.11	
6/27/2005	10:00:00	11.33	8.41	0.2560	35.4	4.15	
6/27/2005	11:00:00	12.12	8.50	0.2500	44.8	5.06	
6/27/2005	12:00:00	13.33	8.57	0.2560	53.6	5.82	
6/27/2005	13:00:00	14.60	8.65	0.2550	66.4	6.92	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
6/27/2005	14:00:00	15.68	8.69	0.2400	72.6	7.36	
6/27/2005	15:00:00	16.46	8.71	0.2420	80.2	7.97	
6/27/2005	16:00:00	15.48	8.62	0.2380	69.7	7.12	
6/27/2005	17:00:00	26.06	9.00	0.1062	83.9	6.98	
6/27/2005	18:00:00	26.06	8.94	0.1118	77.0	6.44	
6/27/2005	19:00:00	25.75	8.95	0.1088	72.1	6.11	
6/27/2005	20:00:00	24.57	8.56	0.1015	63.9	5.58	
6/27/2005	21:00:00	23.85	7.85	0.1053	53.5	4.81	
6/27/2005	22:00:00	23.38	7.69	0.1028	54.8	4.97	
6/27/2005	23:00:00	22.89	7.60	0.0981	59.5	5.39	
6/28/2005	0:00:00	22.91	7.55	0.0953	60.2	5.46	
6/28/2005	1:00:00	23.06	7.48	0.0915	58.5	5.30	
6/28/2005	2:00:00	23.21	7.44	0.0963	56.7	5.14	
6/28/2005	3:00:00	23.13	7.41	0.0969	55.0	5.02	
6/28/2005	4:00:00	22.92	7.39	0.0972	52.5	4.84	
6/28/2005	5:00:00	22.56	7.38	0.0980	51.0	4.74	
6/28/2005	6:00:00	22.36	7.37	0.0985	50.2	4.70	
6/28/2005	7:00:00	22.28	7.40	0.0983	54.9	5.10	
6/28/2005	8:00:00	22.36	7.46	0.0978	62.2	5.70	
6/28/2005	9:00:00	22.82	7.57	0.0973	71.5	6.43	
6/28/2005	10:00:00	24.00	7.78	0.0961	85.4	7.42	
6/28/2005	11:00:00	25.87	8.23	0.0956	102.9	8.56	
6/28/2005	12:00:00	26.94	8.54	0.0957	110.4	8.97	
6/28/2005	13:00:00	26.05	8.03	0.0970	95.7	7.98	
6/28/2005	14:00:00	26.30	7.70	0.0972	85.4	7.15	
6/28/2005	15:00:00	26.48	7.71	0.0937	89.8	7.47	
6/28/2005	16:00:00	26.82	7.97	0.0892	102.6	8.41	
6/28/2005	17:00:00	27.24	8.34	0.0882	105.9	8.60	
6/28/2005	18:00:00	27.37	8.50	0.0883	106.5	8.64	
6/28/2005	19:00:00	27.06	8.40	0.0880	102.2	8.36	
6/28/2005	20:00:00	26.47	8.21	0.0885	96.5	8.00	
6/28/2005	21:00:00	25.73	7.94	0.0883	88.5	7.49	
6/28/2005	22:00:00	25.06	7.72	0.0896	79.2	6.84	
6/28/2005	23:00:00	24.53	7.59	0.0893	72.1	6.35	
6/29/2005	0:00:00	24.11	7.51	0.0894	67.3	6.00	
6/29/2005	1:00:00	23.76	7.46	0.0891	64.0	5.77	
6/29/2005	2:00:00	23.43	7.43	0.0892	62.1	5.66	
6/29/2005	3:00:00	23.20	7.40	0.0889	60.1	5.52	
6/29/2005	4:00:00	22.95	7.41	0.0895	59.8	5.52	
6/29/2005	5:00:00	22.74	7.40	0.0893	59.5	5.53	
6/29/2005	6:00:00	22.52	7.40	0.0895	60.0	5.59	
6/29/2005	7:00:00	22.33	7.42	0.0900	60.7	5.67	
6/29/2005	8:00:00	22.14	7.44	0.0899	63.0	5.88	
6/29/2005	9:00:00	22.07	7.49	0.0904	66.5	6.19	
6/29/2005	10:00:00	22.21	7.59	0.0904	73.3	6.74	
6/29/2005	11:00:00	22.83	7.77	0.0900	82.3	7.41	
6/29/2005	12:00:00	23.45	8.18	0.0905	93.5	8.25	
6/29/2005	13:00:00	23.97	8.53	0.0905	100.4	8.73	
6/29/2005	14:00:00	24.28	8.57	0.0905	100.0	8.66	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
6/29/2005	15:00:00	24.86	8.64	0.0913	102.9	8.81	
6/29/2005	16:00:00	24.94	8.74	0.0913	104.4	8.92	
6/29/2005	17:00:00	25.08	8.79	0.0914	104.5	8.92	
6/29/2005	18:00:00	25.05	8.80	0.0916	103.2	8.81	
6/29/2005	19:00:00	24.93	8.82	0.0922	101.3	8.69	
6/29/2005	20:00:00	24.72	8.77	0.0919	96.2	8.32	
6/29/2005	21:00:00	24.44	8.58	0.0923	89.5	7.82	
6/29/2005	22:00:00	24.17	8.33	0.0925	83.5	7.39	
6/29/2005	23:00:00	23.98	8.13	0.0924	78.9	7.04	
6/30/2005	0:00:00	23.80	7.98	0.0930	75.8	6.81	
6/30/2005	1:00:00	23.63	7.86	0.0936	74.0	6.70	
6/30/2005	2:00:00	23.39	7.79	0.0924	73.0	6.64	
6/30/2005	3:00:00	23.13	7.71	0.0918	71.1	6.51	
6/30/2005	4:00:00	22.99	7.65	0.0920	70.0	6.45	
6/30/2005	5:00:00	22.86	7.59	0.0913	67.7	6.28	
6/30/2005	6:00:00	22.74	7.57	0.0920	66.3	6.19	
6/30/2005	7:00:00	22.59	7.55	0.0921	66.6	6.22	
6/30/2005	8:00:00	22.51	7.57	0.0919	69.4	6.47	
6/30/2005	9:00:00	22.52	7.64	0.0915	74.6	6.91	
6/30/2005	10:00:00	22.79	7.74	0.0919	79.2	7.25	
6/30/2005	11:00:00	23.26	7.94	0.0917	86.3	7.79	
6/30/2005	12:00:00	23.73	8.22	0.0913	92.4	8.21	
6/30/2005	13:00:00	24.05	8.39	0.0916	94.3	8.32	
6/30/2005	14:00:00	24.15	8.52	0.0914	95.4	8.40	
6/30/2005	15:00:00	24.19	8.60	0.0917	96.6	8.50	
6/30/2005	16:00:00	24.08	8.59	0.0917	94.5	8.36	
6/30/2005	17:00:00	24.03	8.66	0.0919	94.9	8.40	
6/30/2005	18:00:00	23.87	8.64	0.0918	92.7	8.24	
6/30/2005	19:00:00	23.69	8.65	0.0916	91.3	8.16	
6/30/2005	20:00:00	23.42	8.51	0.0916	87.4	7.89	
6/30/2005	21:00:00	23.10	8.34	0.0919	83.4	7.60	
6/30/2005	22:00:00	22.78	8.17	0.0922	80.1	7.38	
6/30/2005	23:00:00	22.50	8.02	0.0920	76.9	7.15	
7/1/2005	0:00:00	22.23	7.92	0.0923	74.8	7.02	
7/1/2005	1:00:00	22.00	7.83	0.0926	73.0	6.89	
7/1/2005	2:00:00	21.77	7.76	0.0925	70.9	6.75	
7/1/2005	3:00:00	21.54	7.71	0.0932	69.4	6.66	
7/1/2005	4:00:00	21.30	7.65	0.0927	68.0	6.56	
7/1/2005	5:00:00	21.07	7.61	0.0930	66.5	6.48	
7/1/2005	6:00:00	20.82	7.57	0.0930	66.3	6.48	
7/1/2005	7:00:00	20.62	7.57	0.0930	66.3	6.50	
7/1/2005	8:00:00	20.48	7.58	0.0930	67.2	6.61	
7/1/2005	9:00:00	20.35	7.62	0.0930	69.7	6.84	
7/1/2005	10:00:00	20.27	7.67	0.0930	72.9	7.14	
7/1/2005	11:00:00	20.32	7.76	0.0924	77.7	7.54	
7/1/2005	12:00:00	20.64	7.87	0.0928	82.6	7.92	
7/1/2005	13:00:00	21.06	7.81	0.0926	84.9	8.07	
7/1/2005	14:00:00	21.40	7.72	0.0923	87.6	8.25	
7/1/2005	15:00:00	22.15	7.76	0.0932	92.7	8.57	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/1/2005	16:00:00	22.80	7.86	0.0938	96.7	8.81	
7/1/2005	17:00:00	23.09	7.92	0.0949	99.2	8.97	
7/1/2005	18:00:00	23.18	7.90	0.0946	98.6	8.92	
7/1/2005	19:00:00	22.90	7.88	0.0949	96.8	8.82	
7/1/2005	20:00:00	22.46	7.82	0.0951	93.0	8.56	
7/1/2005	21:00:00	22.07	7.74	0.0955	88.4	8.25	
7/1/2005	22:00:00	21.58	7.70	0.0961	84.6	8.00	
7/1/2005	23:00:00	21.12	7.65	0.0960	81.5	7.81	
7/2/2005	0:00:00	20.72	7.60	0.0959	80.0	7.74	
7/2/2005	1:00:00	20.33	7.57	0.0963	78.0	7.62	
7/2/2005	2:00:00	19.93	7.54	0.0962	75.7	7.48	
7/2/2005	3:00:00	19.57	7.52	0.0969	73.9	7.37	
7/2/2005	4:00:00	19.25	7.49	0.0968	72.6	7.31	
7/2/2005	5:00:00	18.96	7.47	0.0971	70.5	7.16	
7/2/2005	6:00:00	18.70	7.45	0.0973	69.7	7.12	
7/2/2005	7:00:00	18.59	7.47	0.0972	72.4	7.38	
7/2/2005	8:00:00	18.67	7.54	0.0970	77.6	7.84	
7/2/2005	9:00:00	19.30	7.66	0.0966	86.7	8.55	
7/2/2005	10:00:00	20.50	7.82	0.0962	95.8	9.17	
7/2/2005	11:00:00	22.29	8.08	0.0962	107.0	9.82	
7/2/2005	12:00:00	24.01	8.36	0.0964	116.3	10.29	
7/2/2005	13:00:00	25.32	8.59	0.0964	121.7	10.49	
7/2/2005	14:00:00	26.27	8.72	0.0971	124.2	10.52	
7/2/2005	15:00:00	26.66	8.81	0.0968	124.9	10.51	
7/2/2005	16:00:00	26.67	8.85	0.0961	123.5	10.41	
7/2/2005	17:00:00	26.12	8.82	0.0951	117.1	10.01	
7/2/2005	18:00:00	25.59	8.77	0.0936	112.5	9.75	
7/2/2005	19:00:00	24.63	8.62	0.0968	104.0	9.22	
7/2/2005	20:00:00	23.64	8.38	0.0978	95.1	8.66	
7/2/2005	21:00:00	22.81	8.05	0.0992	84.8	7.94	
7/2/2005	22:00:00	22.09	7.78	0.1005	74.4	7.18	
7/2/2005	23:00:00	21.55	7.64	0.1015	68.8	6.77	
7/3/2005	0:00:00	21.08	7.57	0.1021	64.3	6.45	
7/3/2005	1:00:00	20.65	7.52	0.1027	62.5	6.34	
7/3/2005	2:00:00	20.27	7.49	0.1027	60.5	6.21	
7/3/2005	3:00:00	19.92	7.47	0.1029	59.2	6.14	
7/3/2005	4:00:00	19.63	7.46	0.1024	58.7	6.13	
7/3/2005	5:00:00	19.26	7.45	0.1028	58.2	6.12	
7/3/2005	6:00:00	18.95	7.45	0.1028	58.6	6.21	
7/3/2005	7:00:00	18.83	7.50	0.1024	63.7	6.67	
7/3/2005	8:00:00	18.94	7.63	0.1015	73.4	7.52	
7/3/2005	9:00:00	19.38	7.84	0.1005	87.5	8.71	
7/3/2005	10:00:00	20.09	8.21	0.0966	100.1	9.70	
7/3/2005	11:00:00	20.87	8.60	0.0983	108.5	10.29	
7/3/2005	12:00:00	21.42	8.84	0.0982	113.3	10.60	
7/3/2005	13:00:00	22.27	9.00	0.0987	119.7	10.97	
7/3/2005	14:00:00	23.19	9.11	0.0992	124.1	11.17	
7/3/2005	15:00:00	24.35	9.20	0.0994	129.9	11.42	
7/3/2005	16:00:00	25.25	9.24	0.1001	129.4	11.22	

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Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/3/2005	17:00:00	24.95	9.20	0.0980	118.3	10.40	
7/3/2005	18:00:00	24.29	9.02	0.0979	105.8	9.51	
7/3/2005	19:00:00	23.38	8.79	0.0974	95.4	8.82	
7/3/2005	20:00:00	22.36	8.49	0.0993	87.5	8.31	
7/3/2005	21:00:00	21.79	8.29	0.0997	83.3	8.05	
7/3/2005	22:00:00	21.45	8.04	0.1009	76.2	7.50	
7/3/2005	23:00:00	21.08	7.80	0.1028	67.5	6.81	
7/4/2005	0:00:00	20.67	7.64	0.1050	59.9	6.21	
7/4/2005	1:00:00	20.38	7.55	0.1061	56.7	5.97	
7/4/2005	2:00:00	20.05	7.50	0.1071	54.0	5.76	
7/4/2005	3:00:00	19.82	7.47	0.1081	52.5	5.66	
7/4/2005	4:00:00	19.62	7.44	0.1072	51.9	5.63	
7/4/2005	5:00:00	19.38	7.42	0.1080	50.0	5.49	
7/4/2005	6:00:00	19.23	7.40	0.1076	49.6	5.47	
7/4/2005	7:00:00	19.19	7.43	0.1073	53.1	5.79	
7/4/2005	8:00:00	19.25	7.47	0.1082	57.9	6.21	
7/4/2005	9:00:00	19.71	7.59	0.1053	67.5	7.01	
7/4/2005	10:00:00	20.62	7.83	0.1036	86.1	8.50	
7/4/2005	11:00:00	22.53	8.36	0.1010	107.3	9.99	
7/4/2005	12:00:00	24.77	8.90	0.1002	127.0	11.19	
7/4/2005	13:00:00	26.14	9.15	0.1008	136.5	11.68	
7/4/2005	14:00:00	27.30	9.30	0.1001	144.7	12.09	
7/4/2005	15:00:00	27.85	9.40	0.0987	147.2	12.17	
7/4/2005	16:00:00	27.82	9.42	0.0973	144.2	11.96	
7/4/2005	17:00:00	27.67	9.44	0.1027	140.5	11.70	
7/4/2005	18:00:00	27.35	9.42	0.1016	134.2	11.30	
7/4/2005	19:00:00	26.98	9.37	0.1012	126.1	10.75	
7/4/2005	20:00:00	26.17	9.28	0.1004	111.9	9.79	
7/4/2005	21:00:00	25.14	9.08	0.1016	96.3	8.74	
7/4/2005	22:00:00	24.05	8.76	0.1015	82.5	7.78	
7/4/2005	23:00:00	23.30	8.25	0.1051	69.1	6.79	
7/5/2005	0:00:00	22.58	7.81	0.1089	58.0	5.96	
7/5/2005	1:00:00	22.04	7.62	0.1100	51.7	5.48	
7/5/2005	2:00:00	21.63	7.51	0.1107	48.4	5.24	
7/5/2005	3:00:00	21.30	7.48	0.1115	46.3	5.10	
7/5/2005	4:00:00	20.99	7.43	0.1115	44.7	4.99	
7/5/2005	5:00:00	20.64	7.40	0.1121	43.6	4.93	
7/5/2005	6:00:00	20.21	7.38	0.1130	42.6	4.87	
7/5/2005	7:00:00	19.78	7.37	0.1131	43.6	5.00	
7/5/2005	8:00:00	19.47	7.41	0.1127	48.7	5.47	
7/5/2005	9:00:00	19.29	7.45	0.1128	54.2	5.97	
7/5/2005	10:00:00	19.27	7.55	0.1119	64.4	6.68	
7/5/2005	11:00:00	19.40	7.72	0.1104	77.1	7.98	
7/5/2005	12:00:00	19.49	7.98	0.1078	88.0	8.94	
7/5/2005	13:00:00	19.55	8.34	0.1069	98.1	9.82	
7/5/2005	14:00:00	20.02	8.74	0.1038	110.6	10.82	
7/5/2005	15:00:00	20.55	9.05	0.1026	120.5	11.59	
7/5/2005	16:00:00	20.92	9.21	0.1023	125.3	11.92	
7/5/2005	17:00:00	21.09	9.32	0.1015	127.3	12.07	

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Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/5/2005	18:00:00	21.15	9.38	0.1014	128.1	12.12	
7/5/2005	19:00:00	21.15	9.38	0.1014	126.9	12.02	
7/5/2005	20:00:00	20.89	9.35	0.1023	118.3	11.35	
7/5/2005	21:00:00	20.47	9.18	0.1036	106.0	10.37	
7/5/2005	22:00:00	19.96	9.03	0.1049	95.9	9.60	
7/5/2005	23:00:00	19.47	8.74	0.1066	84.0	8.64	
7/6/2005	0:00:00	19.00	8.25	0.1093	71.0	7.55	
7/6/2005	1:00:00	18.53	7.85	0.1122	59.9	6.62	
7/6/2005	2:00:00	18.14	7.64	0.1136	53.1	6.05	
7/6/2005	3:00:00	17.85	7.53	0.1119	49.2	5.73	
7/6/2005	4:00:00	17.60	7.46	0.1135	46.2	5.49	
7/6/2005	5:00:00	17.42	7.41	0.1116	44.8	5.37	
7/6/2005	6:00:00	17.27	7.40	0.1115	44.3	5.35	
7/6/2005	7:00:00	17.24	7.40	0.1112	45.8	5.49	
7/6/2005	8:00:00	17.30	7.44	0.1115	52.4	6.10	
7/6/2005	9:00:00	17.68	7.53	0.1098	63.7	7.10	
7/6/2005	10:00:00	18.44	7.71	0.1080	78.5	8.33	
7/6/2005	11:00:00	19.79	8.13	0.1047	97.1	9.78	
7/6/2005	12:00:00	21.09	8.72	0.1021	114.5	11.04	
7/6/2005	13:00:00	22.43	9.02	0.0973	142.6	11.70	
7/6/2005	14:00:00	23.21	9.16	0.0994	149.4	12.07	
7/6/2005	15:00:00	23.71	9.24	0.1006	155.4	12.44	
7/6/2005	16:00:00	24.68	9.28	0.0996	160	12.59	
7/6/2005	17:00:00	24.78	9.32	0.0998	160.1	12.57	
7/6/2005	18:00:00	24.57	9.31	0.0998	154.8	12.20	
7/6/2005	19:00:00	24.2	9.26	0.1005	144	11.44	
7/6/2005	20:00:00	23.75	9.19	0.1019	134	10.74	
7/6/2005	21:00:00	23.48	9.1	0.1004	122.6	9.88	
7/6/2005	22:00:00	22.71	8.9	0.1006	111	9.08	
7/6/2005	23:00:00	21.87	8.55	0.1047	93.9	7.82	
7/7/2005	0:00:00	21.06	8.05	0.1096	78.2	6.62	
7/7/2005	1:00:00	20.45	7.62	0.1079	67.4	5.77	
7/7/2005	2:00:00	19.91	7.41	0.1081	58	5.02	
7/7/2005	3:00:00	19.42	7.3	0.1088	52.5	4.60	
7/7/2005	4:00:00	18.9	7.25	0.1093	49.1	4.38	
7/7/2005	5:00:00	18.46	7.22	0.1092	48.2	4.31	
7/7/2005	6:00:00	18.13	7.2	0.1084	48.3	4.35	
7/7/2005	7:00:00	17.96	7.2	0.1073	50.8	4.60	
7/7/2005	8:00:00	17.87	7.22	0.1065	54.2	4.92	
7/7/2005	9:00:00	17.94	7.27	0.1061	60.5	5.47	
7/7/2005	10:00:00	18.7	7.43	0.1069	74.8	6.66	
7/7/2005	11:00:00	20.25	7.74	0.1042	93.6	8.07	
7/7/2005	12:00:00	23.01	8.45	0.1045	118.8	9.70	
7/7/2005	13:00:00	25.78	8.92	0.1068	138.7	10.74	
7/7/2005	14:00:00	27.99	9.11	0.1021	154.3	11.48	
7/7/2005	15:00:00	29.08	9.16	0.1094	152.5	11.13	
7/7/2005	16:00:00	29.26	9.24	0.1121	145.8	10.63	
7/7/2005	17:00:00	28.05	9.22	0.1262	118	8.80	
7/7/2005	18:00:00	27.15	9.2	0.1211	100.7	7.63	

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/7/2005	19:00:00	26.59	9.12	0.1314	83.2	6.38	
7/7/2005	20:00:00	25.7	9.06	0.132	79.1	6.18	
7/7/2005	21:00:00	25.1	9.02	0.1293	77.5	6.12	
7/7/2005	22:00:00	23.88	8.9	0.1429	69	5.58	
7/7/2005	23:00:00	22.88	8.79	0.1343	60.8	5.02	
7/8/2005	0:00:00	21.52	8.6	0.1366	55.4	4.72	
7/8/2005	1:00:00	21.21	8.21	0.1363	49.4	4.24	
7/8/2005	2:00:00	20.64	7.82	0.1411	43.1	3.75	
7/8/2005	3:00:00	20.18	7.58	0.1408	37.9	3.33	
7/8/2005	4:00:00	19.76	7.4	0.143	32.7	2.93	
7/8/2005	5:00:00	19.27	7.31	0.1323	32.3	2.92	
7/8/2005	6:00:00	19.04	7.24	0.132	30.2	2.75	
7/8/2005	7:00:00	18.98	7.22	0.1281	34.1	3.09	
7/8/2005	8:00:00	19.04	7.22	0.1278	37.4	3.39	
7/8/2005	9:00:00	19.06	7.24	0.1253	42.5	3.83	
7/8/2005	10:00:00	19.41	7.39	0.1295	52.8	4.71	
7/8/2005	11:00:00	20.9	7.61	0.1263	70.2	6.04	
7/8/2005	12:00:00	22.6	8.07	0.1368	84.5	7.06	
7/8/2005	13:00:00	24.84	8.54	0.1457	93.7	7.46	
7/8/2005	14:00:00	25.67	8.8	0.1508	99.2	7.77	
7/8/2005	15:00:00	25.43	8.91	0.1469	108.9	8.56	
7/8/2005	16:00:00	25.6	8.99	0.1506	111	8.70	
7/8/2005	17:00:00	25.29	9.03	0.161	92.9	7.35	
7/8/2005	18:00:00	21.54	9.01	0.1796	79.6	6.77	
7/8/2005	19:00:00	20.04	8.85	0.1879	63.3	5.57	
7/8/2005	20:00:00	18.76	8.8	0.1944	53.3	4.83	
7/8/2005	21:00:00	19.14	8.72	0.1917	45.3	4.10	
7/8/2005	22:00:00	17.28	8.6	0.2	38.2	3.61	
7/8/2005	23:00:00	15.41	8.42	0.218	27.6	2.75	
7/9/2005	0:00:00	14.69	8.28	0.223	23.5	2.40	3.89
7/9/2005	1:00:00	14.66	8.37	0.216	23.6	2.41	3.89
7/9/2005	2:00:00	14.43	8.22	0.219	21.8	2.25	3.89
7/9/2005	3:00:00	14.62	8.11	0.217	18.3	1.90	3.88
7/9/2005	4:00:00	14.97	8.02	0.216	17.6	1.83	3.89
7/9/2005	5:00:00	15.6	7.92	0.1985	19.5	1.99	3.89
7/9/2005	6:00:00	16.25	7.82	0.1922	18.3	1.86	3.89
7/9/2005	7:00:00	15.81	7.8	0.1953	18.5	1.89	3.89
7/9/2005	8:00:00	16.29	7.78	0.1908	19.9	2.00	3.89
7/9/2005	9:00:00	16.33	7.77	0.1895	24.3	2.42	3.89
7/9/2005	10:00:00	16.8	7.81	0.1897	31.9	3.10	3.89
7/9/2005	11:00:00	16.74	7.98	0.1927	43.3	4.14	3.9
7/9/2005	12:00:00	17.71	8.23	0.201	52.9	4.94	3.89
7/9/2005	13:00:00	18.49	8.43	0.209	64.4	5.88	3.9
7/9/2005	14:00:00	19.68	8.62	0.207	73.8	6.56	3.89
7/9/2005	15:00:00	20.36	8.71	0.208	80.9	7.09	3.89
7/9/2005	16:00:00	19.91	8.73	0.22	75	6.64	3.89
7/9/2005	17:00:00	18.23	8.63	0.222	60.2	5.55	3.89
7/9/2005	18:00:00	16.61	8.52	0.226	48.7	4.67	3.89
7/9/2005	19:00:00	15.98	8.42	0.235	35.2	3.48	3.88

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/9/2005	20:00:00	15.06	8.28	0.237	24.4	2.51	3.88
7/9/2005	21:00:00	14.92	8.23	0.234	21.5	2.25	3.88
7/9/2005	22:00:00	14.28	8.18	0.242	15.1	1.66	3.88
7/9/2005	23:00:00	13.23	8.1	0.246	10.9	1.28	3.88
7/10/2005	0:00:00	12.92	8.07	0.247	8.6	1.06	3.88
7/10/2005	1:00:00	12.49	8.06	0.244	8.7	1.08	3.88
7/10/2005	2:00:00	12.48	8.04	0.247	8.4	1.05	3.88
7/10/2005	3:00:00	12.5	8.02	0.241	9.1	1.13	3.88
7/10/2005	4:00:00	12.86	8.03	0.234	11	1.31	3.88
7/10/2005	5:00:00	13.88	7.97	0.225	11.1	1.29	3.88
7/10/2005	6:00:00	13.78	7.91	0.225	10.8	1.28	3.88
7/10/2005	7:00:00	14.05	7.9	0.223	11.7	1.36	3.89
7/10/2005	8:00:00	14.79	7.87	0.217	14.1	1.57	3.89
7/10/2005	9:00:00	14.37	7.85	0.216	16.8	1.84	3.89
7/10/2005	10:00:00	14.69	7.87	0.219	21.6	2.30	3.89
7/10/2005	11:00:00	16.38	8	0.208	33.1	3.30	3.89
7/10/2005	12:00:00	16.17	8.21	0.221	43.4	4.27	3.89
7/10/2005	13:00:00	17.06	8.46	0.231	54.3	5.18	3.89
7/10/2005	14:00:00	18.48	8.57	0.227	65.8	6.07	3.89
7/10/2005	15:00:00	19.59	8.56	0.225	68.9	6.21	3.89
7/10/2005	16:00:00	18.93	8.63	0.236	67.7	6.19	3.89
7/10/2005	17:00:00	18.1	8.5	0.231	55.7	5.21	3.89
7/10/2005	18:00:00	16.58	8.46	0.24	42.5	4.16	3.88
7/10/2005	19:00:00	15.25	8.27	0.248	27.5	2.86	3.88
7/10/2005	20:00:00	14.36	8.16	0.254	17.3	1.92	3.88
7/10/2005	21:00:00	14.09	8.11	0.248	14.3	1.65	3.88
7/10/2005	22:00:00	13.71	8.04	0.253	7.7	1.00	3.88
7/10/2005	23:00:00	13.15	7.99	0.255	4.4	0.70	3.88
7/11/2005	0:00:00	12.4	7.99	0.258	3.7	0.64	3.88
7/11/2005	1:00:00	11.74	7.98	0.26	3.6	0.63	3.88
7/11/2005	2:00:00	11.99	7.98	0.257	3.9	0.66	3.88
7/11/2005	3:00:00	12.09	7.98	0.251	4.3	0.71	3.88
7/11/2005	4:00:00	11.75	7.97	0.252	4.8	0.76	3.88
7/11/2005	5:00:00	12.49	7.95	0.24	7.1	0.98	3.88
7/11/2005	6:00:00	13.27	7.89	0.233	9.5	1.21	3.88
7/11/2005	7:00:00	13.04	7.88	0.232	9.8	1.26	3.88
7/11/2005	8:00:00	13.2	7.85	0.231	11	1.37	3.89
7/11/2005	9:00:00	13.43	7.85	0.229	12.5	1.51	3.89
7/11/2005	10:00:00	13.96	7.85	0.226	15.7	1.81	3.88
7/11/2005	11:00:00	14.72	7.94	0.23	24.4	2.63	3.88
7/11/2005	12:00:00	15.21	8.08	0.231	31.6	3.29	3.89
7/11/2005	13:00:00	17.45	8.26	0.232	43.2	4.20	3.91
7/11/2005	14:00:00	18.59	8.48	0.23	62.5	5.81	3.9
7/11/2005	15:00:00	20.48	8.63	0.225	73	6.52	3.89
7/11/2005	16:00:00	20.44	8.58	0.225	70.1	6.27	3.88
7/11/2005	17:00:00	18.96	8.46	0.229	59.9	5.56	3.87
7/11/2005	18:00:00	16.74	8.3	0.239	38	3.79	3.87
7/11/2005	19:00:00	15.01	8.16	0.249	23.1	2.51	3.87
7/11/2005	20:00:00	14.11	8.07	0.254	13.9	1.66	3.87

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/11/2005	21:00:00	13.15	8.02	0.259	8.2	1.12	3.87
7/11/2005	22:00:00	12.66	7.97	0.261	4.4	0.76	3.87
7/11/2005	23:00:00	11.88	7.96	0.265	3.1	0.63	3.87
7/12/2005	0:00:00	11.47	7.97	0.263	2.9	0.61	3.87
7/12/2005	1:00:00	11.02	7.97	0.266	2.4	0.57	3.87
7/12/2005	2:00:00	11.16	7.97	0.262	3.1	0.64	3.87
7/12/2005	3:00:00	11.33	7.98	0.256	4.2	0.75	3.87
7/12/2005	4:00:00	10.96	7.96	0.259	3	0.64	3.87
7/12/2005	5:00:00	11.44	7.96	0.252	4.3	0.78	3.87
7/12/2005	6:00:00	12.1	7.92	0.242	7.9	1.14	3.87
7/12/2005	7:00:00	12.43	7.9	0.238	7.3	1.06	3.87
7/12/2005	8:00:00	12.51	7.92	0.238	8.8	1.23	3.87
7/12/2005	9:00:00	14.4	7.82	0.217	16.3	1.92	3.87
7/12/2005	10:00:00	13.97	7.85	0.221	18.9	2.18	3.87
7/12/2005	11:00:00	14.84	7.95	0.221	28.5	3.07	3.87
7/12/2005	12:00:00	15.15	8.12	0.236	31.4	3.33	3.87
7/12/2005	13:00:00	17.26	8.3	0.226	46	4.53	3.86
7/12/2005	14:00:00	18.5	8.48	0.23	55.7	5.28	3.87
7/12/2005	15:00:00	19.49	8.58	0.23	62.4	5.76	3.87
7/12/2005	16:00:00	18.85	8.54	0.228	53.6	5.08	3.87
7/12/2005	17:00:00	16.59	8.37	0.242	40.9	4.13	3.86
7/12/2005	18:00:00	15.22	8.22	0.248	27.5	2.97	3.86
7/12/2005	19:00:00	14.29	8.16	0.251	19	2.20	3.86
7/12/2005	20:00:00	13.42	8.07	0.257	13.4	1.69	3.86
7/12/2005	21:00:00	12.89	8.03	0.259	7.1	1.08	3.86
7/12/2005	22:00:00	12.18	7.99	0.262	4.7	0.85	3.86
7/12/2005	23:00:00	11.68	7.97	0.264	2.8	0.65	3.86
7/13/2005	0:00:00	14.85	7.99	0.233	12.5	1.56	3.86
7/13/2005	1:00:00	12.28	7.93	0.255	5.6	0.94	3.86
7/13/2005	2:00:00	11.53	7.95	0.257	4	0.79	3.86
7/13/2005	3:00:00	11.23	7.95	0.257	4.1	0.80	3.86
7/13/2005	4:00:00	11	7.96	0.257	4.1	0.81	3.86
7/13/2005	5:00:00	11.29	7.96	0.252	5.4	0.95	3.86
7/13/2005	6:00:00	12.65	7.9	0.237	7.1	1.10	3.86
7/13/2005	7:00:00	11.51	7.92	0.246	6.7	1.08	3.86
7/13/2005	8:00:00	11.53	7.94	0.247	7.9	1.20	3.86
7/13/2005	9:00:00	11.87	7.94	0.242	10.5	1.48	3.86
7/13/2005	10:00:00	12.82	7.94	0.238	14.5	1.85	3.86
7/13/2005	11:00:00	14.21	8	0.229	25.1	2.83	3.86
7/13/2005	12:00:00	14.67	8.13	0.237	30.9	3.37	3.86
7/13/2005	13:00:00	16.29	8.27	0.231	39	4.03	3.84
7/13/2005	14:00:00	20.18	8.54	0.216	63.5	5.85	3.86
7/13/2005	15:00:00	20.7	8.58	0.218	67.2	6.11	3.84
7/13/2005	16:00:00	21.95	8.6	0.204	70.6	6.25	3.84
7/13/2005	17:00:00	20.54	8.46	0.203	56.9	5.26	3.84
7/13/2005	18:00:00	17.59	8.22	0.219	35.4	3.62	3.84
7/13/2005	19:00:00	15.4	8.03	0.237	20	2.31	3.85
7/13/2005	20:00:00	13.91	7.97	0.245	13.4	1.73	3.85
7/13/2005	21:00:00	12.44	7.93	0.258	6.3	1.06	3.85

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	Height
7/13/2005	22:00:00	11.87	7.93	0.26	4.9	0.93	3.86
7/13/2005	23:00:00	11.03	7.94	0.267	2	0.64	3.86
7/14/2005	0:00:00	10.8	7.96	0.265	2.1	0.65	3.86
7/14/2005	1:00:00	10.57	7.97	0.262	3.7	0.83	3.86
7/14/2005	2:00:00	10.35	7.98	0.263	3.3	0.79	3.86
7/14/2005	3:00:00	10.58	7.98	0.26	3.4	0.79	3.86
7/14/2005	4:00:00	10.37	7.98	0.259	3	0.76	3.85
7/14/2005	5:00:00	11.57	7.98	0.249	6.7	1.13	3.86
7/14/2005	6:00:00	11.91	7.95	0.24	8.9	1.36	3.86
7/14/2005	7:00:00	12.33	7.94	0.235	9.7	1.43	3.85
7/14/2005	8:00:00	13.57	7.93	0.221	16.2	2.05	3.85
7/14/2005	9:00:00	15.09	7.86	0.206	20.3	2.38	3.86
7/14/2005	10:00:00	15.3	7.82	0.1991	22.5	2.59	3.85
7/14/2005	11:00:00	15.87	7.88	0.195	33.1	3.56	3.86
7/14/2005	12:00:00	17.98	7.88	0.1894	44.6	4.45	3.85
7/14/2005	13:00:00	19.06	8.26	0.1984	56.5	5.41	3.86
7/14/2005	14:00:00	20.54	8.55	0.207	68	6.25	3.86
7/14/2005	15:00:00	21.65	8.72	0.21	73.8	6.61	3.85
7/14/2005	16:00:00	21.52	8.74	0.21	69.6	6.27	3.85
7/14/2005	17:00:00	18.63	8.42	0.223	47	4.62	3.85
7/14/2005	18:00:00	16.37	8.19	0.236	26.1	2.90	3.85
7/14/2005	19:00:00	14.33	8.06	0.249	15	1.93	3.85
7/14/2005	20:00:00	13.3	8	0.254	9.2	1.39	3.85
7/14/2005	21:00:00	12.05	7.97	0.263	4.8	0.97	3.85
7/14/2005	22:00:00	11.96	7.96	0.262	3.3	0.83	3.85
7/14/2005	23:00:00	11.28	7.96	0.265	2	0.70	3.85
7/15/2005	0:00:00	10.72	7.96	0.266	2.5	0.75	3.85
7/15/2005	1:00:00	10.6	7.98	0.266	2.1	0.72	3.85
7/15/2005	2:00:00	10.52	7.98	0.263	2.7	0.79	3.86
7/15/2005	3:00:00	10.52	7.99	0.26	3.3	0.84	3.85
7/15/2005	4:00:00	10.51	7.99	0.257	4.3	0.95	3.86
7/15/2005	5:00:00	11.11	8	0.248	6.2	1.14	3.85
7/15/2005	6:00:00	12.92	7.98	0.228	10.8	1.57	3.85
7/15/2005	7:00:00	11.79	7.96	0.24	8.3	1.36	3.85
7/15/2005	8:00:00	13.04	7.92	0.221	12.7	1.78	3.85
7/15/2005	9:00:00	12.59	7.91	0.229	11.7	1.69	3.86
7/15/2005	10:00:00	12.81	7.92	0.231	14.4	1.95	3.85
7/15/2005	11:00:00	13.51	7.98	0.229	22	2.68	3.85
7/15/2005	12:00:00	15.58	8.09	0.228	26.1	3.16	3.85
7/15/2005	13:00:00	17.2	8.29	0.229	40.1	4.17	3.85
7/15/2005	14:00:00	18.64	8.55	0.229	57.8	5.63	3.85
7/15/2005	15:00:00	20.19	8.74	0.223	66.3	6.20	3.85
7/15/2005	16:00:00	20.09	8.74	0.225	68	6.36	3.84
7/15/2005	17:00:00	18.66	8.59	0.227	49.5	4.90	3.85
7/15/2005	18:00:00	16.51	8.4	0.239	33.9	3.66	3.85
7/15/2005	19:00:00	15.09	8.24	0.248	21.2	2.56	3.85
7/15/2005	20:00:00	13.79	8.1	0.256	12.1	1.72	3.84
7/15/2005	21:00:00	12.52	8.02	0.262	4.8	1.02	3.85
7/15/2005	22:00:00	13.51	8.02	0.253	7.4	1.26	3.85

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/15/2005	23:00:00	11.89	7.97	0.265	1.8	0.74	3.85
7/16/2005	0:00:00	11.14	7.98	0.269	0.8	0.64	3.85
7/16/2005	1:00:00	10.62	7.99	0.272	1.4	0.70	3.85
7/16/2005	2:00:00	10.28	7.99	0.271	0.6	0.61	3.85
7/16/2005	3:00:00	10.36	8	0.269	1	0.67	3.85
7/16/2005	4:00:00	10.4	8	0.267	2	0.77	3.85
7/16/2005	5:00:00	10.75	8.02	0.259	3.6	0.94	3.84
7/16/2005	6:00:00	11.39	8.02	0.253	5.3	1.11	3.85
7/16/2005	7:00:00	15.23	7.96	0.217	12.7	1.76	3.85
7/16/2005	8:00:00	13.29	7.95	0.237	12.5	1.81	3.85
7/16/2005	9:00:00	13.59	7.96	0.235	14.1	1.95	3.85
7/16/2005	10:00:00	13.83	7.99	0.233	20.7	2.60	3.85
7/16/2005	11:00:00	14.95	8.12	0.228	30.1	3.44	3.84
7/16/2005	12:00:00	15.91	8.29	0.228	42	4.50	3.84
7/16/2005	13:00:00	18.62	8.49	0.222	52.1	5.19	3.83
7/16/2005	14:00:00	20.08	8.65	0.218	58.5	5.60	3.84
7/16/2005	15:00:00	20.7	8.75	0.218	59.3	5.61	3.84
7/16/2005	16:00:00	22.53	8.76	0.208	54.4	5.04	3.84
7/16/2005	17:00:00	20.42	8.63	0.213	50.7	4.91	3.85
7/16/2005	18:00:00	18.51	8.42	0.224	34.1	3.61	3.85
7/16/2005	19:00:00	16.98	8.29	0.232	24.3	2.81	3.84
7/16/2005	20:00:00	15.97	8.19	0.238	17.9	2.27	3.85
7/16/2005	21:00:00	14.24	8.1	0.246	14.8	2.03	3.86
7/16/2005	22:00:00	13.18	8.02	0.252	9.2	1.51	3.85
7/16/2005	23:00:00	12.41	7.98	0.257	6.3	1.23	3.85
7/17/2005	0:00:00	11.78	7.97	0.261	3.7	0.99	3.85
7/17/2005	1:00:00	11.34	7.98	0.263	3.9	1.01	3.85
7/17/2005	2:00:00	11.2	7.98	0.264	2.6	0.88	3.85
7/17/2005	3:00:00	10.8	7.99	0.267	2.6	0.88	3.85
7/17/2005	4:00:00	11	7.99	0.266	2.2	0.85	3.85
7/17/2005	5:00:00	11.2	8.01	0.28	2.7	0.90	3.84
7/17/2005	6:00:00	12.03	7.99	0.254	3.3	0.95	3.84
7/17/2005	7:00:00	12.57	7.98	0.249	5.4	1.16	3.84
7/17/2005	8:00:00	12.48	7.99	0.246	6.8	1.31	3.85
7/17/2005	9:00:00	13.51	7.99	0.241	8.5	1.47	3.85
7/17/2005	10:00:00	13.36	8	0.239	12.4	1.66	3.85
7/17/2005	11:00:00	15.23	8.05	0.231	18.3	2.37	3.85
7/17/2005	12:00:00	16.16	8.17	0.231	26.5	3.09	3.85
7/17/2005	13:00:00	17.65	8.35	0.233	37.2	4.00	3.85
7/17/2005	14:00:00	18.8	8.55	0.23	49.3	4.98	3.85
7/17/2005	15:00:00	19.82	8.73	0.229	50.7	5.01	3.85
7/17/2005	16:00:00	19.93	8.72	0.23	49.3	4.88	3.85
7/17/2005	17:00:00	18.97	8.55	0.229	41.6	4.30	3.85
7/17/2005	18:00:00	17.34	8.34	0.233	29.1	3.29	3.85
7/17/2005	19:00:00	15.8	8.18	0.24	19.8	2.50	3.84
7/17/2005	20:00:00	15.04	8.06	0.243	13.1	1.90	3.84
7/17/2005	21:00:00	13.85	8	0.247	9.3	1.57	3.84
7/17/2005	22:00:00	13.08	7.97	0.253	5.6	1.22	3.84
7/17/2005	23:00:00	12.16	7.96	0.258	4.5	1.11	3.84

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/18/2005	0:00:00	11.42	7.97	0.26	2.9	0.96	3.84
7/18/2005	1:00:00	10.88	7.98	0.263	2.2	0.90	3.85
7/18/2005	2:00:00	10.73	7.97	0.261	2.5	0.93	3.84
7/18/2005	3:00:00	10.38	7.98	0.265	2.2	0.91	3.84
7/18/2005	4:00:00	10.91	7.98	0.265	1	0.78	3.84
7/18/2005	5:00:00	11.43	7.99	0.261	1.2	0.80	3.84
7/18/2005	6:00:00	11.82	8.01	0.256	2.1	0.90	3.83
7/18/2005	7:00:00	12.23	8.02	0.247	4.8	1.17	3.83
7/18/2005	8:00:00	12.43	8	0.248	3.8	1.07	3.83
7/18/2005	9:00:00	13.2	8.01	0.24	7	1.39	3.83
7/18/2005	10:00:00	13.57	8.01	0.237	10.1	1.69	3.83
7/18/2005	11:00:00	14.8	8.06	0.229	15.7	2.20	3.83
7/18/2005	12:00:00	16.14	8.21	0.223	25.9	3.10	3.83
7/18/2005	13:00:00	16.5	8.32	0.225	28.3	3.31	3.82
7/18/2005	14:00:00	16.53	8.51	0.225	35.7	3.99	3.82
7/18/2005	15:00:00	17.57	8.59	0.22	39.8	4.29	3.82
7/18/2005	16:00:00	17.3	8.51	0.22	38	4.15	3.82
7/18/2005	17:00:00	16.19	8.49	0.225	35.3	3.98	3.81
7/18/2005	18:00:00	15.09	8.4	0.231	30.7	3.63	3.81
7/18/2005	19:00:00	14.5	8.27	0.232	25.5	3.16	3.82
7/18/2005	20:00:00	13.71	8.16	0.236	21.1	2.78	3.82
7/18/2005	21:00:00	13.92	8.12	0.234	17.8	2.44	3.81
7/18/2005	22:00:00	12.81	8.08	0.24	12.9	2.01	3.8
7/18/2005	23:00:00	12.69	8.05	0.244	10.2	1.74	3.8
7/19/2005	0:00:00	12.37	8.02	0.244	7.6	1.48	3.8
7/19/2005	1:00:00	11.89	8.02	0.248	7.3	1.47	3.79
7/19/2005	2:00:00	12.05	8.02	0.245	6	1.34	3.8
7/19/2005	3:00:00	12.03	8.05	0.241	7.4	1.48	3.8
7/19/2005	4:00:00	12.1	8.04	0.238	8.2	1.57	3.8
7/19/2005	5:00:00	12.44	8.1	0.232	9.6	1.70	3.8
7/19/2005	6:00:00	13.29	8.16	0.221	11.7	1.90	3.8
7/19/2005	7:00:00	13.94	8.16	0.211	13.7	2.07	3.81
7/19/2005	8:00:00	13.96	8.13	0.209	15.1	2.21	3.8
7/19/2005	9:00:00	14.42	8.16	0.205	20.4	2.71	3.8
7/19/2005	10:00:00	14.77	8.22	0.208	25.2	3.16	3.81
7/19/2005	11:00:00	16.24	8.26	0.1923	33	3.82	3.81
7/19/2005	12:00:00	16.55	8.29	0.1993	41	4.53	3.81
7/19/2005	13:00:00	17.27	8.44	0.211	44.6	4.80	3.81
7/19/2005	14:00:00	19.4	8.67	0.217	51.3	5.21	3.81
7/19/2005	15:00:00	20.66	8.89	0.219	58.5	5.72	3.81
7/19/2005	16:00:00	21.68	8.91	0.207	60.2	5.77	3.81
7/19/2005	17:00:00	20.01	8.7	0.206	46.5	4.76	3.81
7/19/2005	18:00:00	18.08	8.39	0.215	30	3.44	3.82
7/19/2005	19:00:00	16.71	8.23	0.222	22.8	2.87	3.82
7/19/2005	20:00:00	15.6	8.17	0.224	19.2	2.58	3.82
7/19/2005	21:00:00	15.23	8.17	0.225	17.3	2.41	3.82
7/19/2005	22:00:00	14.47	8.15	0.229	15.1	2.22	3.81
7/19/2005	23:00:00	14.47	8.2	0.229	13	2.04	3.82
7/20/2005	0:00:00	13.85	8.17	0.234	11.4	1.90	3.83

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date MMDDYY	Time HHMMSS	Temp °C	pH Units	SpCond mS/cm	DO% Sat	Corrected DO	USGS Gauge
						mg/l	Height
7/20/2005	1:00:00	14.36	8.21	0.227	11.5	1.89	3.81
7/20/2005	2:00:00	14.59	8.25	0.226	12.6	1.99	3.81
7/20/2005	3:00:00	15.19	8.27	0.213	13.4	2.06	3.82
7/20/2005	4:00:00	14.8	8.2	0.22	13.4	2.07	3.81
7/20/2005	5:00:00	15.98	8.15	0.21	11.1	1.83	3.81
7/20/2005	6:00:00	16.94	8.08	0.1941	13.8	2.05	3.81
7/20/2005	7:00:00	16.58	7.95	0.1917	13.8	2.07	3.81
7/20/2005	8:00:00	16.5	7.87	0.1942	14.9	2.17	3.81
7/20/2005	9:00:00	17.46	7.87	0.1851	21.7	2.76	3.8
7/20/2005	10:00:00	17.7	7.96	0.1872	28.5	3.37	3.81
7/20/2005	11:00:00	18.47	8.13	0.1832	39	4.27	3.81
7/20/2005	12:00:00	19.21	8.25	0.1827	42.4	4.51	3.8
7/20/2005	13:00:00	20.27	8.48	0.1792	51.9	5.25	3.81
7/20/2005	14:00:00	21.69	9	0.1609	124.2	10.25	3.81
7/20/2005	15:00:00	23.46	9.47	0.1582	144.4	11.52	3.79
7/20/2005	16:00:00	25.89	9.53	0.1487	138.8	10.63	3.8
7/20/2005	17:00:00	24.54	9.45	0.1492	129.2	10.10	3.79
7/20/2005	18:00:00	23.36	9.5	0.1518	118.6	9.49	3.79
7/20/2005	19:00:00	21.8	9.42	0.1681	106.1	8.74	3.79
7/20/2005	20:00:00	19.42	9.39	0.1745	93	8.05	3.79
7/20/2005	21:00:00	18.04	9.31	0.1897	82.6	7.35	3.79
7/20/2005	22:00:00	17.1	9.03	0.202	62.2	5.65	3.79
7/20/2005	23:00:00	15.11	8.79	0.217	50.6	4.79	3.78
7/21/2005	0:00:00	15.56	8.73	0.217	44.4	4.19	3.79
7/21/2005	1:00:00	14.59	8.72	0.219	40.2	3.87	3.79
7/21/2005	2:00:00	15.35	8.66	0.202	40.7	3.87	3.79
7/21/2005	3:00:00	13.95	8.64	0.203	50.1	4.89	3.78
7/21/2005	4:00:00	15.67	8.31	0.203	37.4	3.54	3.79
7/21/2005	5:00:00	14.89	8.14	0.202	38.4	3.69	3.79
7/21/2005	6:00:00	15.17	7.98	0.1766	40.4	3.85	3.78
7/21/2005	7:00:00	16.43	7.83	0.1731	38.6	3.60	3.78
7/21/2005	8:00:00	16.92	7.75	0.1603	38.8	3.58	3.78
7/21/2005	9:00:00	17.77	7.71	0.1679	40.3	3.65	3.79
7/21/2005	10:00:00	17.19	7.78	0.1759	50.1	4.59	3.78
7/21/2005	11:00:00	15.92	8.05	0.1664	78.9	7.37	3.79
7/21/2005	12:00:00	18.62	8.43	0.168	97	8.65	3.78
7/21/2005	13:00:00	20.6	8.76	0.181	110.4	9.38	3.78
7/21/2005	14:00:00	22.98	9.01	0.18	128.9	10.43	3.78
7/21/2005	15:00:00	24.72	9.11	0.1733	135.3	10.60	3.77
7/21/2005	16:00:00	24.41	9.12	0.1722	125.3	9.90	3.76
7/21/2005	17:00:00	24.53	9.08	0.1548	110.8	8.75	3.76
7/21/2005	18:00:00	21.75	9.01	0.1776	96	8.04	3.76
7/21/2005	19:00:00	18.8	8.88	0.1899	83.8	7.44	3.76
7/21/2005	20:00:00	16.04	8.85	0.206	70.1	6.57	3.77
7/21/2005	21:00:00	17.3	8.89	0.1971	64.7	5.92	3.77
7/21/2005	22:00:00	13.7	8.73	0.209	49	4.87	3.77
7/21/2005	23:00:00	13.08	8.55	0.224	36	3.66	3.77
7/22/2005	0:00:00	12.47	8.51	0.23	32.8	3.39	3.77
7/22/2005	1:00:00	12.35	8.58	0.226	33.3	3.45	3.77

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/22/2005	2:00:00	12.32	8.47	0.225	33.1	3.44	3.77
7/22/2005	3:00:00	12.32	8.56	0.219	32.3	3.36	3.77
7/22/2005	4:00:00	11.58	8.47	0.222	32.5	3.43	3.77
7/22/2005	5:00:00	12.02	8.28	0.217	33.4	3.50	3.77
7/22/2005	6:00:00	12.41	8.36	0.201	35.4	3.68	3.78
7/22/2005	7:00:00	12.57	8.23	0.1972	37.1	3.83	3.77
7/22/2005	8:00:00	12.54	8.08	0.1947	34.9	3.62	3.78
7/22/2005	9:00:00	13.44	8.12	0.1852	43.7	4.41	3.77
7/22/2005	10:00:00	13.14	8.12	0.1881	52.1	5.26	3.77
7/22/2005	11:00:00	15.12	8.18	0.1724	61.1	5.91	3.77
7/22/2005	12:00:00	16.06	8.46	0.1694	86.1	8.10	3.76
7/22/2005	13:00:00	19.89	8.77	0.1744	102.7	8.93	3.76
7/22/2005	14:00:00	21.79	8.89	0.1773	110.2	9.24	3.75
7/22/2005	15:00:00	23.99	9.06	0.1745	129	10.34	3.76
7/22/2005	16:00:00	23.74	9.02	0.1794	116.3	9.38	3.76
7/22/2005	17:00:00	23.02	8.94	0.1675	104.2	8.55	3.76
7/22/2005	18:00:00	20.18	8.69	0.1893	80.7	7.02	3.76
7/22/2005	19:00:00	16.72	8.48	0.215	60.5	5.68	3.76
7/22/2005	20:00:00	15.39	8.37	0.221	51	4.95	3.76
7/22/2005	21:00:00	15.14	8.31	0.223	40.2	3.97	3.76
7/22/2005	22:00:00	13.98	8.23	0.233	29	2.99	3.77
7/22/2005	23:00:00	13.25	8.11	0.246	20.1	2.15	3.77
7/23/2005	0:00:00	13.09	8.14	0.243	20.9	2.25	3.77
7/23/2005	1:00:00	12.49	8.1	0.245	18	1.99	3.77
7/23/2005	2:00:00	12.3	8.13	0.246	16.4	1.83	3.77
7/23/2005	3:00:00	12.32	8.15	0.242	17.7	1.98	3.77
7/23/2005	4:00:00	12.34	8.21	0.239	19.5	2.16	3.77
7/23/2005	5:00:00	12.33	8.23	0.23	22.1	2.41	3.78
7/23/2005	6:00:00	12.83	8.31	0.213	29.3	3.11	3.77
7/23/2005	7:00:00	12.56	8.17	0.222	24.2	2.63	3.78
7/23/2005	8:00:00	12.74	8.14	0.226	24.5	2.64	3.78
7/23/2005	9:00:00	12.42	8.13	0.231	27.8	3.00	3.78
7/23/2005	10:00:00	12.49	8.15	0.236	28.2	3.04	3.79
7/23/2005	11:00:00	12.71	8.18	0.231	34.7	3.67	3.79
7/23/2005	12:00:00	12.35	8.29	0.236	40.4	4.28	3.79
7/23/2005	13:00:00	13.39	8.36	0.233	46.6	4.79	3.79
7/23/2005	14:00:00	13.63	8.39	0.236	50.5	5.15	3.79
7/23/2005	15:00:00	13.26	8.43	0.24	50.4	5.19	3.78
7/23/2005	16:00:00	13.44	8.37	0.238	46.9	4.83	3.79
7/23/2005	17:00:00	13.12	8.32	0.241	40.5	4.22	3.81
7/23/2005	18:00:00	12.72	8.3	0.243	38.4	4.06	3.8
7/23/2005	19:00:00	11.96	8.21	0.247	32.6	3.54	3.78
7/23/2005	20:00:00	13.07	8.47	0.22	48.2	5.00	3.79
7/23/2005	21:00:00	12.01	8.21	0.239	32.8	3.56	3.78
7/23/2005	22:00:00	11.82	8.09	0.25	20.7	2.35	3.78
7/23/2005	23:00:00	11.36	8.02	0.252	16	1.90	3.79
7/24/2005	0:00:00	10.94	8.03	0.249	15.4	1.85	3.8
7/24/2005	1:00:00	10.88	8.01	0.252	13	1.61	3.94
7/24/2005	2:00:00	21.12	8.68	0.0824	88.9	7.72	4.04

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/24/2005	3:00:00	21.7	7.82	0.0887	86.4	7.39	4.1
7/24/2005	4:00:00	21.99	7.73	0.0992	84	7.16	4.1
7/24/2005	5:00:00	21.98	7.66	0.0996	80.9	6.91	4.09
7/24/2005	6:00:00	22.02	7.57	0.1017	77.5	6.64	4.1
7/24/2005	7:00:00	22.05	7.51	0.1024	74.8	6.42	4.09
7/24/2005	8:00:00	22.13	7.5	0.1022	75.5	6.46	4.09
7/24/2005	9:00:00	22.25	7.5	0.1013	77.6	6.61	4.09
7/24/2005	10:00:00	22.53	7.55	0.0993	82.6	7.00	4.08
7/24/2005	11:00:00	22.75	7.56	0.0977	85.1	7.17	4.05
7/24/2005	12:00:00	23.07	7.42	0.09	79.1	6.65	4.05
7/24/2005	13:00:00	23.1	7.2	0.076	78.1	6.58	4.05
7/24/2005	14:00:00	24.21	7.42	0.0739	99.2	8.11	4.03
7/24/2005	15:00:00	25.21	7.68	0.0791	111.1	8.88	4.02
7/24/2005	16:00:00	25.44	7.8	0.0806	113.3	9.03	4.03
7/24/2005	17:00:00	25.41	7.86	0.0807	112.5	8.97	4.05
7/24/2005	18:00:00	25.38	7.96	0.0811	110.3	8.81	4.04
7/24/2005	19:00:00	25.23	8.08	0.0814	106	8.49	4.04
7/24/2005	20:00:00	25.14	8.31	0.0818	104.1	8.37	4.05
7/24/2005	21:00:00	24.93	8.37	0.0823	98.8	7.99	4.05
7/24/2005	22:00:00	24.64	8.37	0.0828	93	7.58	4.05
7/24/2005	23:00:00	24.33	8.33	0.0831	88.1	7.25	4.04
7/25/2005	0:00:00	24.03	8.3	0.0835	84.8	7.03	4.04
7/25/2005	1:00:00	23.75	8.29	0.0841	82.7	6.91	4.04
7/25/2005	2:00:00	23.51	8.24	0.0845	80.7	6.77	4.04
7/25/2005	3:00:00	23.29	8.16	0.0848	78.9	6.66	4.04
7/25/2005	4:00:00	23.08	8.06	0.0849	77.3	6.56	4.03
7/25/2005	5:00:00	22.89	7.97	0.0852	75.3	6.43	4.03
7/25/2005	6:00:00	22.73	7.91	0.0855	74.7	6.40	4.03
7/25/2005	7:00:00	22.65	7.91	0.0858	75.2	6.44	4.03
7/25/2005	8:00:00	22.7	8.02	0.0861	78.8	6.74	4.03
7/25/2005	9:00:00	23.01	8.25	0.0862	85.6	7.22	4.03
7/25/2005	10:00:00	23.4	8.53	0.0861	93.4	7.82	4.03
7/25/2005	11:00:00	23.82	8.73	0.0866	99.9	8.29	4.03
7/25/2005	12:00:00	24.2	8.87	0.0867	105.2	8.65	4.03
7/25/2005	13:00:00	24.64	8.96	0.0868	109.8	8.94	4.03
7/25/2005	14:00:00	24.96	9.07	0.087	114.3	9.25	4.01
7/25/2005	15:00:00	25.23	9.13	0.0873	116.2	9.35	4.01
7/25/2005	16:00:00	25.3	9.16	0.0876	114.9	9.26	4
7/25/2005	17:00:00	25.34	9.16	0.0876	112.8	9.07	4
7/25/2005	18:00:00	25.41	9.14	0.0878	110.1	8.86	4
7/25/2005	19:00:00	25.35	9.12	0.088	108.6	8.76	4.01
7/25/2005	20:00:00	25.21	9.06	0.0881	103.6	8.43	4
7/25/2005	21:00:00	25.07	8.97	0.0879	98.2	8.01	3.99
7/25/2005	22:00:00	24.95	8.87	0.0879	93.4	7.65	3.99
7/25/2005	23:00:00	24.83	8.78	0.0883	90.6	7.45	4
7/26/2005	0:00:00	24.68	8.69	0.0883	87.9	7.27	3.99
7/26/2005	1:00:00	24.48	8.59	0.0876	85.8	7.13	3.99
7/26/2005	2:00:00	24.22	8.47	0.0875	84.1	7.03	3.97
7/26/2005	3:00:00	23.95	8.35	0.0875	82.1	6.90	3.97

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/26/2005	4:00:00	23.67	8.21	0.0881	80.1	6.79	3.97
7/26/2005	5:00:00	23.39	8.08	0.0881	78.3	6.67	3.97
7/26/2005	6:00:00	23.18	7.97	0.0881	76.8	6.59	3.97
7/26/2005	7:00:00	23.01	7.92	0.0886	76.1	6.56	3.97
7/26/2005	8:00:00	22.87	7.94	0.0885	77.7	6.70	3.97
7/26/2005	9:00:00	22.78	8	0.0882	80	6.91	3.96
7/26/2005	10:00:00	22.8	8.19	0.0882	85.3	7.33	3.95
7/26/2005	11:00:00	23.01	8.41	0.0884	92	7.82	3.95
7/26/2005	12:00:00	23.19	8.58	0.0884	97.4	8.26	3.94
7/26/2005	13:00:00	23.29	8.68	0.0882	101.1	8.54	3.94
7/26/2005	14:00:00	23.32	8.74	0.0885	103.6	8.74	3.94
7/26/2005	15:00:00	23.44	8.77	0.0888	104.6	8.80	3.94
7/26/2005	16:00:00	23.6	8.81	0.0889	106.4	8.93	3.94
7/26/2005	17:00:00	23.58	8.84	0.0888	106.7	8.96	3.93
7/26/2005	18:00:00	23.48	8.84	0.0888	106.3	8.91	3.93
7/26/2005	19:00:00	23.24	8.79	0.0891	102	8.64	3.93
7/26/2005	20:00:00	23.02	8.74	0.0893	98.8	8.42	3.93
7/26/2005	21:00:00	22.76	8.62	0.0895	93.7	8.05	3.94
7/26/2005	22:00:00	22.49	8.42	0.0899	88	7.63	3.94
7/26/2005	23:00:00	22.24	8.18	0.0903	83.2	7.27	3.93
7/27/2005	0:00:00	22.03	7.96	0.0908	79.9	7.03	3.93
7/27/2005	1:00:00	21.83	7.78	0.0912	76.6	6.80	3.93
7/27/2005	2:00:00	21.63	7.64	0.0921	73.1	6.54	3.93
7/27/2005	3:00:00	21.44	7.53	0.0922	70.5	6.34	3.93
7/27/2005	4:00:00	21.27	7.47	0.0924	68.2	6.18	3.92
7/27/2005	5:00:00	21.11	7.42	0.0926	66.9	6.09	3.92
7/27/2005	6:00:00	20.96	7.39	0.0927	65.7	6.00	3.92
7/27/2005	7:00:00	20.85	7.37	0.0926	66.1	6.06	3.92
7/27/2005	8:00:00	20.91	7.41	0.0928	69.4	6.33	3.92
7/27/2005	9:00:00	21.14	7.49	0.0924	74.8	6.72	3.91
7/27/2005	10:00:00	21.5	7.61	0.0923	81.9	7.28	3.9
7/27/2005	11:00:00	21.98	7.76	0.092	88.2	7.78	3.92
7/27/2005	12:00:00	22.43	7.92	0.0916	93.5	8.13	3.92
7/27/2005	13:00:00	23.02	8.07	0.0914	99.2	8.51	3.92
7/27/2005	14:00:00	23.51	8.17	0.091	104.1	8.85	3.92
7/27/2005	15:00:00	23.96	8.32	0.0913	108.7	9.13	3.91
7/27/2005	16:00:00	24.35	8.48	0.0908	112.8	9.38	3.91
7/27/2005	17:00:00	24.57	8.62	0.0905	115.1	9.54	3.91
7/27/2005	18:00:00	24.59	8.71	0.0906	115.6	9.57	3.91
7/27/2005	19:00:00	24.45	8.76	0.0906	113.5	9.43	3.91
7/27/2005	20:00:00	24.21	8.73	0.0903	109.9	9.19	3.9
7/27/2005	21:00:00	23.9	8.61	0.0887	102.4	8.65	3.9
7/27/2005	22:00:00	23.57	8.45	0.0909	94.6	8.08	3.9
7/27/2005	23:00:00	23.27	8.28	0.0907	88.8	7.67	3.9
7/28/2005	0:00:00	22.99	8.13	0.0909	84.8	7.39	3.9
7/28/2005	1:00:00	22.75	8.03	0.091	82.6	7.24	3.9
7/28/2005	2:00:00	22.53	7.95	0.0913	80.5	7.11	3.89
7/28/2005	3:00:00	22.3	7.86	0.091	79.3	7.04	3.89
7/28/2005	4:00:00	22.04	7.78	0.091	78.1	6.97	3.88

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/28/2005	5:00:00	21.74	7.71	0.0909	77.4	6.94	3.89
7/28/2005	6:00:00	21.49	7.66	0.0907	76.8	6.95	3.9
7/28/2005	7:00:00	21.33	7.62	0.0906	76.3	6.93	3.9
7/28/2005	8:00:00	21.29	7.64	0.0904	76.4	7.11	3.9
7/28/2005	9:00:00	21.47	7.75	0.0905	84.1	7.56	3.9
7/28/2005	10:00:00	21.62	7.92	0.0906	90	8.06	3.89
7/28/2005	11:00:00	21.62	8.06	0.09	94.8	8.44	3.89
7/28/2005	12:00:00	21.55	8.13	0.0903	96	8.55	3.92
7/28/2005	13:00:00	21.42	8.1	0.0898	94.9	8.47	3.92
7/28/2005	14:00:00	21.52	8.16	0.0899	97.8	8.70	3.93
7/28/2005	15:00:00	21.55	8.03	0.0899	96.5	8.60	3.93
7/28/2005	16:00:00	21.6	7.95	0.09	98.2	8.73	3.93
7/28/2005	17:00:00	21.69	7.98	0.0905	99.8	8.85	3.94
7/28/2005	18:00:00	21.84	8.01	0.0912	102.7	9.08	3.93
7/28/2005	19:00:00	21.86	8.01	0.0915	104.3	9.20	3.93
7/28/2005	20:00:00	21.81	7.98	0.0916	102.8	9.06	3.92
7/28/2005	21:00:00	21.72	7.92	0.092	100.3	8.91	3.93
7/28/2005	22:00:00	21.57	7.87	0.0916	97.8	8.72	3.93
7/28/2005	23:00:00	21.31	7.77	0.0919	91.4	8.23	3.93
7/29/2005	0:00:00	20.99	7.64	0.0919	84.4	7.73	3.93
7/29/2005	1:00:00	20.65	7.53	0.0923	77.4	7.16	3.93
7/29/2005	2:00:00	20.31	7.44	0.0923	72.2	6.77	3.93
7/29/2005	3:00:00	19.98	7.39	0.092	69.1	6.55	3.93
7/29/2005	4:00:00	19.67	7.36	0.0922	66.2	6.34	3.93
7/29/2005	5:00:00	19.38	7.33	0.092	64.7	6.24	3.93
7/29/2005	6:00:00	19.12	7.32	0.0916	64.5	6.29	3.93
7/29/2005	7:00:00	18.93	7.32	0.0917	64.9	6.32	3.93
7/29/2005	8:00:00	18.93	7.35	0.0914	68.1	6.59	3.93
7/29/2005	9:00:00	19.28	7.42	0.0911	73.3	7.01	3.93
7/29/2005	10:00:00	19.9	7.52	0.0911	81.3	7.61	3.93
7/29/2005	11:00:00	20.76	7.71	0.0908	91.2	8.33	3.93
7/29/2005	12:00:00	21.54	8	0.0899	102.5	9.15	3.92
7/29/2005	13:00:00	22.3	8.34	0.0894	112.1	9.82	3.92
7/29/2005	14:00:00	23.16	8.62	0.0893	121.7	10.44	3.92
7/29/2005	15:00:00	23.79	8.75	0.089	126.5	10.71	3.93
7/29/2005	16:00:00	24.29	8.87	0.0892	131.2	10.99	3.92
7/29/2005	17:00:00	24.95	8.98	0.0889	135.5	11.21	3.92
7/29/2005	18:00:00	25.02	9.01	0.0893	135.9	11.22	3.92
7/29/2005	19:00:00	24.92	9.03	0.0895	135.1	11.20	3.92
7/29/2005	20:00:00	24.6	9.02	0.0897	131.6	10.98	3.92
7/29/2005	21:00:00	24.15	8.95	0.0898	121.5	10.27	3.92
7/29/2005	22:00:00	23.59	8.81	0.09	112.1	9.63	3.92
7/29/2005	23:00:00	22.97	8.57	0.0903	99.9	8.76	3.92
7/30/2005	0:00:00	22.37	8.19	0.0909	88	7.92	3.93
7/30/2005	1:00:00	21.89	7.85	0.0916	77.7	7.11	3.93
7/30/2005	2:00:00	21.5	7.66	0.0919	73.2	6.78	3.93
7/30/2005	3:00:00	21.21	7.53	0.092	69.6	6.52	3.94
7/30/2005	4:00:00	20.93	7.46	0.0916	67	6.34	3.93
7/30/2005	5:00:00	20.74	7.43	0.0915	65.8	6.27	3.94

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge Height
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	
7/30/2005	6:00:00	20.58	7.4	0.0913	64.6	6.18	3.93
7/30/2005	7:00:00	20.49	7.4	0.0912	66.7	6.38	3.94
7/30/2005	8:00:00	20.51	7.46	0.0909	71.4	6.77	3.94
7/30/2005	9:00:00	20.57	7.52	0.0911	75.7	7.15	3.93
7/30/2005	10:00:00	20.93	7.65	0.0907	83.9	7.77	3.94
7/30/2005	11:00:00	21.45	8.02	0.0901	98.7	8.93	3.95
7/30/2005	12:00:00	22.19	8.43	0.0898	110.4	9.78	3.95
7/30/2005	13:00:00	22.91	8.63	0.0899	116.7	10.16	3.94
7/30/2005	14:00:00	23.64	8.76	0.0899	120.4	10.34	3.93
7/30/2005	15:00:00	24.18	8.82	0.0895	124.5	10.56	3.93
7/30/2005	16:00:00	24.6	8.92	0.0896	127.7	10.73	3.93
7/30/2005	17:00:00	24.8	8.96	0.0895	127.7	10.71	3.93
7/30/2005	18:00:00	24.8	8.98	0.0893	125.5	10.54	3.93
7/30/2005	19:00:00	24.61	8.99	0.0895	123.5	10.41	3.92
7/30/2005	20:00:00	24.32	8.95	0.0892	118.2	10.06	3.92
7/30/2005	21:00:00	23.99	8.84	0.0894	109.6	9.44	3.91
7/30/2005	22:00:00	23.63	8.69	0.0892	100.5	8.77	3.91
7/30/2005	23:00:00	23.34	8.5	0.0898	91.9	8.14	3.9
7/31/2005	0:00:00	23.13	8.33	0.0901	86.7	7.75	3.9
7/31/2005	1:00:00	22.97	8.19	0.0902	84.3	7.58	3.9
7/31/2005	2:00:00	22.83	8.06	0.0904	81.3	7.36	3.9
7/31/2005	3:00:00	22.69	7.9	0.0903	79.1	7.21	3.9
7/31/2005	4:00:00	22.56	7.77	0.0906	77.1	7.06	3.89
7/31/2005	5:00:00	22.42	7.67	0.0911	74.5	6.88	3.9
7/31/2005	6:00:00	22.27	7.6	0.0908	74.2	6.85	3.9
7/31/2005	7:00:00	22.17	7.59	0.0908	74.9	6.94	3.89
7/31/2005	8:00:00	22.16	7.63	0.091	78.1	7.20	3.89
7/31/2005	9:00:00	22.26	7.71	0.0906	83.1	7.59	3.88
7/31/2005	10:00:00	22.52	7.91	0.0905	90.7	8.19	3.89
7/31/2005	11:00:00	22.96	8.1	0.0903	97	8.60	3.9
7/31/2005	12:00:00	23.34	8.35	0.0901	104.1	9.16	3.91
7/31/2005	13:00:00	24.01	8.57	0.0901	112.6	9.72	3.91
7/31/2005	14:00:00	24.61	8.7	0.09	116.5	9.93	3.89
7/31/2005	15:00:00	25.16	8.83	0.09	120.6	10.16	3.89
7/31/2005	16:00:00	25.64	8.92	0.0897	122.6	10.24	3.89
7/31/2005	17:00:00	25.87	8.97	0.09	121.6	10.12	3.88
7/31/2005	18:00:00	25.98	9.01	0.09	122.5	10.18	3.88
7/31/2005	19:00:00	25.89	9.01	0.0902	118.6	9.90	3.88
7/31/2005	20:00:00	25.68	8.97	0.0899	113.9	9.57	3.88
7/31/2005	21:00:00	25.34	8.85	0.0902	105.2	8.97	3.88
7/31/2005	22:00:00	25.01	8.7	0.09	96.4	8.34	3.88
7/31/2005	23:00:00	24.7	8.5	0.0908	91.3	7.98	3.87
8/1/2005	0:00:00	24.51	8.32	0.0905	85.7	7.57	3.88
8/1/2005	1:00:00	24.39	8.16	0.0906	83.3	7.40	3.88
8/1/2005	2:00:00	24.3	8.03	0.0907	80.3	7.18	3.88
8/1/2005	3:00:00	24.21	7.92	0.0907	78	7.02	3.87
8/1/2005	4:00:00	24.04	7.8	0.091	76.6	6.93	3.87
8/1/2005	5:00:00	23.83	7.7	0.0911	75.1	6.84	3.87
8/1/2005	6:00:00	23.6	7.64	0.0916	74.2	6.79	3.87

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected	USGS
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	DO mg/l	Gauge Height
8/1/2005	7:00:00	23.39	7.62	0.0912	75.4	6.90	3.87
8/1/2005	8:00:00	23.3	7.67	0.0909	78.9	7.21	3.86
8/1/2005	9:00:00	23.43	7.83	0.0907	85.9	7.75	3.86
8/1/2005	10:00:00	23.6	8.05	0.0907	93.7	8.36	3.86
8/1/2005	11:00:00	23.96	8.34	0.09	102.5	9.00	3.88
8/1/2005	12:00:00	24.48	8.53	0.0903	109.1	9.44	3.89
8/1/2005	13:00:00	25.13	8.64	0.0899	113.5	9.69	3.88
8/1/2005	14:00:00	25.72	8.7	0.0905	115.6	9.76	3.88
8/1/2005	15:00:00	26.52	8.8	0.09	118.3	9.83	3.89
8/1/2005	16:00:00	27.2	8.85	0.0905	121	9.94	3.89
8/1/2005	17:00:00	27.39	8.88	0.0911	124.5	10.16	3.89
8/1/2005	18:00:00	27.52	8.9	0.091	122.5	10.04	3.89
8/1/2005	19:00:00	27.49	8.88	0.091	121	9.90	3.89
8/1/2005	20:00:00	27.32	8.83	0.0919	116.3	9.58	3.89
8/1/2005	21:00:00	27.14	8.76	0.092	113	9.36	3.89
8/1/2005	22:00:00	26.97	8.63	0.0926	106.7	8.92	3.89
8/1/2005	23:00:00	26.79	8.52	0.093	103.2	8.69	3.89
8/2/2005	0:00:00	26.59	8.41	0.0933	100.6	8.52	3.89
8/2/2005	1:00:00	26.37	8.24	0.0936	97.7	8.34	3.89
8/2/2005	2:00:00	26.15	8.05	0.0947	94.1	8.07	3.89
8/2/2005	3:00:00	25.91	7.85	0.095	88.4	7.69	3.89
8/2/2005	4:00:00	25.67	7.68	0.0955	83	7.31	3.89
8/2/2005	5:00:00	25.41	7.54	0.0963	76.6	6.86	3.89
8/2/2005	6:00:00	25.15	7.43	0.0973	70.5	6.42	3.89
8/2/2005	7:00:00	24.96	7.37	0.0981	66.3	6.11	3.89
8/2/2005	8:00:00	24.89	7.33	0.0982	63.8	5.93	3.9
8/2/2005	9:00:00	25.05	7.33	0.0985	63.6	5.90	3.89
8/2/2005	10:00:00	25.53	7.38	0.0988	67.8	6.18	3.89
8/2/2005	11:00:00	26.32	7.45	0.0986	73.3	6.53	3.9
8/2/2005	12:00:00	27.06	7.51	0.0988	78.8	6.86	3.91
8/2/2005	13:00:00	27.73	7.61	0.0986	83.5	7.15	3.92
8/2/2005	14:00:00	28.28	7.74	0.0982	90	7.57	3.91
8/2/2005	15:00:00	28.58	7.98	0.0974	97	8.04	3.91
8/2/2005	16:00:00	28.91	8.19	0.0973	102	8.36	3.9
8/2/2005	17:00:00	29.02	8.34	0.0967	105.6	8.63	3.9
8/2/2005	18:00:00	28.89	8.36	0.0967	105.3	8.61	3.9
8/2/2005	19:00:00	28.43	8.28	0.0975	100	8.28	3.9
8/2/2005	20:00:00	28.01	8.06	0.0973	92.1	7.78	3.9
8/2/2005	21:00:00	27.64	7.72	0.0986	79.7	6.90	3.9
8/2/2005	22:00:00	27.31	7.53	0.0986	71.3	6.31	3.9
8/2/2005	23:00:00	27	7.45	0.0988	67.9	6.10	3.9
8/3/2005	0:00:00	26.72	7.4	0.0985	65	5.91	3.91
8/3/2005	1:00:00	26.38	7.35	0.0989	62.1	5.72	3.9
8/3/2005	2:00:00	26.06	7.31	0.0991	59.9	5.61	3.91
8/3/2005	3:00:00	25.76	7.27	0.0991	57.2	5.41	3.91
8/3/2005	4:00:00	25.44	7.24	0.0994	54.8	5.25	3.92
8/3/2005	5:00:00	25.16	7.21	0.0992	52	5.07	3.92
8/3/2005	6:00:00	24.87	7.17	0.0992	49.6	4.90	3.92
8/3/2005	7:00:00	24.66	7.19	0.0993	52.2	5.12	3.91

Bond Falls Hydroelectric Project - Cisco Branch of Ontonagon River

Date	Time	Temp	pH	SpCond	DO%	Corrected DO	USGS Gauge
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	Height
8/3/2005	8:00:00	24.65	7.26	0.0989	61.2	5.82	3.91
8/3/2005	9:00:00	24.99	7.43	0.0976	77.2	7.04	3.91
8/3/2005	10:00:00	25.78	7.74	0.0956	96.6	8.44	3.91
8/3/2005	11:00:00	26.71	8.26	0.0939	113.1	9.55	3.91
8/3/2005	12:00:00	28.21	8.7	0.0928	129	10.50	3.91
8/3/2005	13:00:00	28.79	8.85	0.093	133.8	10.76	3.91

Appendix B

Water Quality Monitoring Data: Downstream of the Victoria Powerhouse

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date MMDDYY	Time HHMMSS	Temp °C	pH Units	SpCond mS/cm	DO% Sat	DO mg/l	Total Generation MWH
6/1/2005	0:00:00	16.16	8.57	0.0936	82.6	7.63	3.4
6/1/2005	1:00:00	16.05	8.55	0.0940	81.9	7.57	3.4
6/1/2005	2:00:00	15.96	8.54	0.0938	81.5	7.55	3.4
6/1/2005	3:00:00	16.03	8.53	0.0937	81.9	7.58	3.4
6/1/2005	4:00:00	16.09	8.57	0.0943	81.8	7.56	3.4
6/1/2005	5:00:00	16.01	8.56	0.0936	81.9	7.58	3.4
6/1/2005	6:00:00	16.07	8.56	0.0938	82.1	7.59	3.4
6/1/2005	7:00:00	16.20	8.56	0.0941	82.6	7.61	3.4
6/1/2005	8:00:00	16.22	8.58	0.0939	82.8	7.63	3.4
6/1/2005	9:00:00	16.30	8.52	0.0935	82.3	7.57	3.4
6/1/2005	10:00:00	16.35	8.57	0.0936	82.2	7.56	3.4
6/1/2005	11:00:00	16.44	8.57	0.0946	82.9	7.60	3.4
6/1/2005	12:00:00	16.37	8.56	0.0943	82.7	7.60	3.4
6/1/2005	13:00:00	16.41	8.56	0.0946	82.4	7.57	3.4
6/1/2005	14:00:00	16.58	8.58	0.0943	83.4	7.62	3.4
6/1/2005	15:00:00	16.47	8.58	0.0943	83.5	7.66	3.4
6/1/2005	16:00:00	16.44	8.57	0.0946	83.3	7.64	3.4
6/1/2005	17:00:00	16.24	8.54	0.0947	82.2	7.58	3.4
6/1/2005	18:00:00	16.19	8.54	0.0948	81.2	7.48	3.4
6/1/2005	19:00:00	16.19	8.55	0.0948	82.1	7.57	3.4
6/1/2005	20:00:00	16.10	8.53	0.0947	80.3	7.42	3.4
6/1/2005	21:00:00	16.17	8.54	0.0945	80.7	7.44	3.4
6/1/2005	22:00:00	16.09	8.53	0.0949	80.3	7.42	3.4
6/1/2005	23:00:00	16.14	8.53	0.0951	80.9	7.47	3.4
6/2/2005	0:00:00	16.09	8.56	0.0952	80.2	7.41	3.4
6/2/2005	1:00:00	16.15	8.54	0.0947	80.4	7.42	3.4
6/2/2005	2:00:00	16.16	8.55	0.0944	80.6	7.44	3.4
6/2/2005	3:00:00	16.11	8.52	0.0947	80.2	7.41	3.4
6/2/2005	4:00:00	16.05	8.51	0.0949	80.5	7.44	3.4
6/2/2005	5:00:00	16.14	8.52	0.0951	80.1	7.39	3.4
6/2/2005	6:00:00	16.19	8.54	0.0947	80.1	7.39	3.4
6/2/2005	7:00:00	16.19	8.55	0.0949	80.8	7.45	3.4
6/2/2005	8:00:00	16.29	8.54	0.0948	81.0	7.45	3.4
6/2/2005	9:00:00	16.31	8.50	0.0944	80.6	7.41	3.4
6/2/2005	10:00:00	16.40	8.54	0.0947	81.1	7.44	3.4
6/2/2005	11:00:00	16.48	8.53	0.0946	80.8	7.40	3.4
6/2/2005	12:00:00	16.66	8.58	0.0946	81.1	7.40	3.4
6/2/2005	13:00:00	16.79	8.60	0.0953	82.1	7.47	3.2
6/2/2005	14:00:00	16.70	8.55	0.0942	80.8	7.38	3.4
6/2/2005	15:00:00	16.57	8.58	0.0950	80.7	7.38	3.4
6/2/2005	16:00:00	16.68	8.55	0.0951	80.7	7.36	3.4
6/2/2005	17:00:00	16.58	8.57	0.0949	80.7	7.38	3.4
6/2/2005	18:00:00	16.33	8.53	0.0945	79.4	7.30	3.4
6/2/2005	19:00:00	16.19	8.52	0.0945	79.4	7.32	3.4
6/2/2005	20:00:00	16.17	8.53	0.0951	78.8	7.27	3.4
6/2/2005	21:00:00	16.29	8.54	0.0951	79.1	7.27	3.4
6/2/2005	22:00:00	16.34	8.56	0.0952	79.3	7.29	3.4
6/2/2005	23:00:00	16.32	8.53	0.0952	79.5	7.31	3.4
6/3/2005	0:00:00	16.24	8.53	0.0951	79.1	7.28	3.4
6/3/2005	1:00:00	16.17	8.51	0.0945	78.9	7.28	3.4
6/3/2005	2:00:00	16.28	8.55	0.0947	79.1	7.29	3.4
6/3/2005	3:00:00	16.24	8.52	0.0943	79.3	7.30	3.4
6/3/2005	4:00:00	16.31	8.68	0.0955	79.3	7.29	3.4
6/3/2005	5:00:00	16.37	8.53	0.0952	80.1	7.36	3.4

Bond Falls Hydroelectric Project - Victoria Tailrace
06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/3/2005	6:00:00	16.34	8.66	0.0933	79.9	7.34	3.4
6/3/2005	7:00:00	16.37	8.66	0.0931	80.2	7.37	3.4
6/3/2005	8:00:00	16.40	8.56	0.0933	79.7	7.32	3.4
6/3/2005	9:00:00	16.50	8.54	0.0944	79.9	7.32	3.4
6/3/2005	10:00:00	16.64	8.61	0.0942	80.4	7.34	3.3
6/3/2005	11:00:00	16.80	8.65	0.0942	80.9	7.37	3.1
6/3/2005	12:00:00	16.89	8.64	0.0956	81.5	7.41	3.1
6/3/2005	13:00:00	16.82	8.64	0.0949	81.2	7.38	3.1
6/3/2005	14:00:00	16.75	8.51	0.0960	80.6	7.35	3.2
6/3/2005	15:00:00	16.88	8.64	0.0960	80.1	7.28	3.2
6/3/2005	16:00:00	16.83	8.56	0.0957	80.7	7.35	3.2
6/3/2005	17:00:00	16.73	8.63	0.0962	80.4	7.33	3.2
6/3/2005	18:00:00	16.51	8.62	0.0957	79.5	7.28	3.2
6/3/2005	19:00:00	16.66	8.54	0.0951	79.8	7.29	3.2
6/3/2005	20:00:00	16.64	8.53	0.0961	79.6	7.27	3.2
6/3/2005	21:00:00	16.61	8.56	0.0955	78.8	7.20	3.2
6/3/2005	22:00:00	16.60	8.49	0.0957	79.5	7.27	3.2
6/3/2005	23:00:00	16.62	8.62	0.0965	78.2	7.15	3.2
6/4/2005	0:00:00	16.65	8.51	0.0972	79.3	7.24	3.2
6/4/2005	1:00:00	16.66	8.50	0.0955	79.6	7.27	3.2
6/4/2005	2:00:00	16.66	8.47	0.0958	78.6	7.18	3.2
6/4/2005	3:00:00	16.79	8.57	0.0968	79.5	7.24	3.2
6/4/2005	4:00:00	16.72	8.51	0.0965	78.8	7.19	3.2
6/4/2005	5:00:00	16.68	8.51	0.0976	78.7	7.18	3.2
6/4/2005	6:00:00	16.69	8.48	0.0969	78.5	7.16	3.2
6/4/2005	7:00:00	16.82	8.40	0.0972	80.0	7.28	3.1
6/4/2005	8:00:00	16.86	8.58	0.0965	79.5	7.23	2.9
6/4/2005	9:00:00	16.85	8.47	0.0962	79.8	7.26	2.9
6/4/2005	10:00:00	16.87	8.47	0.0958	80.2	7.29	2.9
6/4/2005	11:00:00	17.04	8.63	0.0968	81.3	7.36	2.9
6/4/2005	12:00:00	17.11	8.47	0.0972	80.6	7.29	2.9
6/4/2005	13:00:00	17.10	8.45	0.0967	80.7	7.30	2.9
6/4/2005	14:00:00	17.02	8.46	0.0961	80.6	7.30	2.9
6/4/2005	15:00:00	17.01	8.49	0.0965	80.1	7.26	2.9
6/4/2005	16:00:00	16.98	8.45	0.0963	80.1	7.26	2.9
6/4/2005	17:00:00	16.88	8.44	0.0972	79.3	7.20	2.9
6/4/2005	18:00:00	16.89	8.43	0.0963	79.3	7.20	2.9
6/4/2005	19:00:00	17.05	8.52	0.0967	79.0	7.15	2.9
6/4/2005	20:00:00	16.98	8.44	0.0965	79.1	7.17	2.9
6/4/2005	21:00:00	17.00	8.45	0.0974	79.5	7.21	2.9
6/4/2005	22:00:00	16.97	8.45	0.0976	79.2	7.18	2.9
6/4/2005	23:00:00	17.00	8.43	0.0975	78.0	7.07	2.9
6/5/2005	0:00:00	17.03	8.45	0.0978	78.3	7.09	2.9
6/5/2005	1:00:00	16.93	8.45	0.0969	79.0	7.17	2.9
6/5/2005	2:00:00	16.98	8.46	0.0972	78.1	7.09	2.9
6/5/2005	3:00:00	16.98	8.44	0.0975	78.3	7.10	2.9
6/5/2005	4:00:00	16.99	8.46	0.0983	78.9	7.15	2.9
6/5/2005	5:00:00	17.00	8.42	0.0975	78.3	7.10	5.6
6/5/2005	6:00:00	17.05	8.45	0.0976	79.1	7.17	2.9
6/5/2005	7:00:00	17.11	8.46	0.0976	78.9	7.14	2.9
6/5/2005	8:00:00	17.18	8.47	0.0981	79.6	7.19	2.9
6/5/2005	9:00:00	17.23	8.47	0.0983	79.3	7.16	2.9
6/5/2005	10:00:00	17.24	8.47	0.0975	80.2	7.23	2.9
6/5/2005	11:00:00	17.44	8.46	0.0976	79.7	7.16	2.9
6/5/2005	12:00:00	17.47	8.50	0.0972	80.3	7.21	2.9

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/5/2005	13:00:00	17.78	8.62	0.0982	79.6	7.10	3.6
6/5/2005	14:00:00	17.90	8.61	0.0980	79.9	7.11	3.9
6/5/2005	15:00:00	17.86	8.61	0.0989	79.8	7.11	3.9
6/5/2005	16:00:00	18.11	8.62	0.0992	80.6	7.14	3.9
6/5/2005	17:00:00	17.91	8.61	0.0990	79.6	7.08	3.9
6/5/2005	18:00:00	17.67	8.61	0.0982	78.9	7.06	3.9
6/5/2005	19:00:00	17.34	8.59	0.0989	77.6	6.99	3.4
6/5/2005	20:00:00	17.04	8.60	0.0991	78.3	7.09	3.2
6/5/2005	21:00:00	17.42	8.53	0.0995	78.0	7.01	3.2
6/5/2005	22:00:00	17.39	8.51	0.0992	78.0	7.02	3.2
6/5/2005	23:00:00	17.68	8.51	0.1001	79.1	7.07	3.2
6/6/2005	0:00:00	17.71	8.55	0.1012	78.1	6.98	3.2
6/6/2005	1:00:00	17.74	8.56	0.1023	78.2	6.98	3.2
6/6/2005	2:00:00	17.71	8.54	0.1008	77.6	6.93	3.2
6/6/2005	3:00:00	17.93	8.56	0.1008	79.2	7.05	3.2
6/6/2005	4:00:00	17.87	8.56	0.1011	78.6	7.00	3.2
6/6/2005	5:00:00	17.92	8.56	0.1009	78.7	7.00	3.2
6/6/2005	6:00:00	17.81	8.56	0.1006	77.9	6.94	3.2
6/6/2005	7:00:00	17.92	8.55	0.1015	77.7	6.91	3.2
6/6/2005	8:00:00	18.28	8.59	0.1021	79.0	6.98	3.3
6/6/2005	9:00:00	18.30	8.60	0.1021	78.8	6.96	3.1
6/6/2005	10:00:00	18.27	8.61	0.1017	80.1	7.08	3.1
6/6/2005	11:00:00	18.34	8.65	0.1013	79.8	7.04	3.1
6/6/2005	12:00:00	18.65	8.67	0.1022	80.8	7.08	3.1
6/6/2005	13:00:00	18.68	8.67	0.1021	81.0	7.10	3.1
6/6/2005	14:00:00	18.81	8.70	0.1021	81.0	7.08	3.1
6/6/2005	15:00:00	18.84	8.68	0.1019	80.9	7.06	3.1
6/6/2005	16:00:00	18.82	8.69	0.1021	80.7	7.05	3.1
6/6/2005	17:00:00	18.54	8.66	0.1014	80.5	7.07	3.1
6/6/2005	18:00:00	18.48	8.57	0.1019	79.8	7.02	3.1
6/6/2005	19:00:00	18.08	8.58	0.1023	78.0	6.92	3.1
6/6/2005	20:00:00	18.21	8.61	0.1029	78.3	6.92	3.1
6/6/2005	21:00:00	18.24	8.61	0.1039	77.8	6.87	3.1
6/6/2005	22:00:00	18.39	8.62	0.1039	78.3	6.90	3.1
6/6/2005	23:00:00	18.27	8.62	0.1036	78.3	6.91	3.1
6/7/2005	0:00:00	18.32	8.61	0.1038	78.9	6.96	3.1
6/7/2005	1:00:00	18.37	8.61	0.1039	78.4	6.91	3.1
6/7/2005	2:00:00	18.39	8.62	0.1042	77.9	6.86	3.1
6/7/2005	3:00:00	18.39	8.59	0.1042	78.1	6.88	3.1
6/7/2005	4:00:00	18.36	8.61	0.1042	78.3	6.90	3.1
6/7/2005	5:00:00	18.51	8.61	0.1049	79.3	6.96	3.1
6/7/2005	6:00:00	18.57	8.62	0.1052	78.5	6.89	3.1
6/7/2005	7:00:00	18.56	8.63	0.1046	79.4	6.97	3.1
6/7/2005	8:00:00	18.61	8.61	0.1047	78.2	6.86	3.6
6/7/2005	9:00:00	18.94	8.66	0.1060	79.8	6.95	4.6
6/7/2005	10:00:00	19.09	8.64	0.1066	80.2	6.96	5.0
6/7/2005	11:00:00	19.10	8.65	0.1067	80.0	6.95	5.1
6/7/2005	12:00:00	19.35	8.63	0.1076	80.2	6.93	5.7
6/7/2005	13:00:00	19.42	8.64	0.1083	80.0	6.90	5.7
6/7/2005	14:00:00	19.44	8.63	0.1090	80.0	6.90	5.7
6/7/2005	15:00:00	19.22	8.59	0.1091	78.7	6.82	5.7
6/7/2005	16:00:00	19.22	8.59	0.1091	78.9	6.83	5.7
6/7/2005	17:00:00	19.23	8.61	0.1136	78.0	6.76	5.7
6/7/2005	18:00:00	19.26	8.59	0.1136	77.5	6.70	5.7
6/7/2005	19:00:00	19.25	8.57	0.1125	77.8	6.73	5.7

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/7/2005	20:00:00	19.27	8.58	0.1132	77.3	6.69	5.7
6/7/2005	21:00:00	19.36	8.57	0.1132	77.2	6.67	5.7
6/7/2005	22:00:00	19.28	8.59	0.1132	77.2	6.68	5.7
6/7/2005	23:00:00	19.26	8.60	0.1132	77.1	6.68	5.7
6/8/2005	0:00:00	19.28	8.60	0.1136	77.0	6.66	5.5
6/8/2005	1:00:00	19.37	8.57	0.1147	76.8	6.63	5.4
6/8/2005	2:00:00	19.33	8.58	0.1139	77.5	6.70	5.2
6/8/2005	3:00:00	19.30	8.60	0.1138	77.1	6.67	5.2
6/8/2005	4:00:00	19.30	8.59	0.1142	77.2	6.68	5.2
6/8/2005	5:00:00	19.27	8.62	0.1136	76.6	6.63	4.9
6/8/2005	6:00:00	19.31	8.58	0.1140	76.6	6.62	4.8
6/8/2005	7:00:00	19.35	8.60	0.1151	76.4	6.60	4.8
6/8/2005	8:00:00	19.36	8.62	0.1151	77.0	6.65	4.8
6/8/2005	9:00:00	19.39	8.61	0.1153	76.7	6.62	4.8
6/8/2005	10:00:00	19.44	8.62	0.1149	76.6	6.60	4.8
6/8/2005	11:00:00	19.43	8.63	0.1148	77.1	6.65	4.8
6/8/2005	12:00:00	19.52	8.64	0.1149	76.7	6.60	4.8
6/8/2005	13:00:00	19.54	8.62	0.1148	76.6	6.59	4.8
6/8/2005	14:00:00	19.57	8.61	0.1151	76.4	6.57	4.8
6/8/2005	15:00:00	19.58	8.64	0.1152	77.1	6.63	4.8
6/8/2005	16:00:00	19.65	8.62	0.1150	76.4	6.56	4.8
6/8/2005	17:00:00	19.73	8.66	0.1160	77.2	6.62	4.8
6/8/2005	18:00:00	19.64	8.66	0.1150	77.0	6.61	4.8
6/8/2005	19:00:00	19.54	8.63	0.1158	75.8	6.52	4.8
6/8/2005	20:00:00	19.50	8.61	0.1164	75.1	6.47	4.8
6/8/2005	21:00:00	19.42	8.63	0.1153	75.6	6.52	4.8
6/8/2005	22:00:00	19.43	8.65	0.1160	75.7	6.53	4.8
6/8/2005	23:00:00	19.47	8.64	0.1151	75.8	6.53	4.8
6/9/2005	0:00:00	19.58	8.63	0.1032	75.5	6.49	4.8
6/9/2005	1:00:00	19.48	8.64	0.1063	75.1	6.47	4.8
6/9/2005	2:00:00	19.49	8.64	0.1156	75.2	6.48	4.8
6/9/2005	3:00:00	19.53	8.66	0.1154	75.3	6.48	4.6
6/9/2005	4:00:00	19.53	8.64	0.1149	76.0	6.55	4.6
6/9/2005	5:00:00	19.55	8.67	0.1122	76.0	6.54	4.6
6/9/2005	6:00:00	19.47	8.68	0.1166	75.8	6.53	4.6
6/9/2005	7:00:00	19.47	8.65	0.1028	75.8	6.53	4.6
6/9/2005	8:00:00	19.56	8.67	0.1031	76.0	6.54	4.6
6/9/2005	9:00:00	19.60	8.69	0.1046	76.0	6.53	4.6
6/9/2005	11:00:00	19.89	7.89	0.116	80.8	7.14	4.6
6/9/2005	12:00:00	19.99	7.88	0.1158	82.7	7.29	4.5
6/9/2005	13:00:00	19.91	7.81	0.1153	81.3	7.18	4.0
6/9/2005	14:00:00	19.8	7.78	0.1168	80.5	7.12	3.9
6/9/2005	15:00:00	19.66	7.8	0.1167	80.5	7.14	3.8
6/9/2005	16:00:00	19.56	7.8	0.1152	80.4	7.14	3.7
6/9/2005	17:00:00	19.6	7.78	0.1153	80.7	7.16	3.7
6/9/2005	18:00:00	19.55	7.76	0.1148	79.6	7.08	3.7
6/9/2005	19:00:00	19.66	7.74	0.1165	79.5	7.05	3.7
6/9/2005	20:00:00	19.62	7.73	0.1171	78.9	7.00	3.9
6/9/2005	21:00:00	19.54	7.73	0.1173	77.8	6.91	3.9
6/9/2005	22:00:00	19.56	7.74	0.117	78.4	6.97	3.9
6/9/2005	23:00:00	19.55	7.74	0.1162	79.4	7.06	3.9
6/10/2005	0:00:00	19.6	7.74	0.1158	78.9	7.01	3.9
6/10/2005	1:00:00	19.71	7.75	0.1178	79.9	7.08	3.9
6/10/2005	2:00:00	19.67	7.75	0.1177	79	7.00	3.9
6/10/2005	3:00:00	19.6	7.75	0.1171	79.7	7.08	3.9

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/10/2005	4:00:00	19.64	7.78	0.1176	79.4	7.04	3.9
8/10/2005	5:00:00	19.62	7.75	0.1174	79.1	7.03	3.9
8/10/2005	6:00:00	19.75	7.77	0.1178	79.5	7.04	3.9
8/10/2005	7:00:00	19.77	7.77	0.1169	80.8	7.15	3.9
8/10/2005	8:00:00	19.79	7.76	0.1173	81.6	7.21	3.9
8/10/2005	9:00:00	19.82	7.74	0.1173	81.1	7.17	3.3
8/10/2005	10:00:00	19.86	7.74	0.1172	80.4	7.10	3.1
8/10/2005	11:00:00	19.87	7.73	0.1172	80.2	7.08	3.1
8/10/2005	12:00:00	19.94	7.74	0.1175	81.1	7.15	3.1
8/10/2005	13:00:00	20.02	7.73	0.1171	80.9	7.13	3.1
8/10/2005	14:00:00	20.03	7.73	0.1178	80.9	7.12	3.0
8/10/2005	15:00:00	19.91	7.73	0.1178	80.1	7.07	3.0
8/10/2005	16:00:00	19.78	7.78	0.1188	79.4	7.02	3.0
8/10/2005	17:00:00	19.4	7.7	0.1145	79.5	7.09	3.0
8/10/2005	18:00:00	19.37	7.68	0.1161	78	6.96	3.0
8/10/2005	19:00:00	19.79	7.71	0.1193	79	6.98	3.0
8/10/2005	20:00:00	19.78	7.73	0.1178	79.8	7.06	3.0
8/10/2005	21:00:00	19.42	7.68	0.1154	77.7	6.93	3.0
8/10/2005	22:00:00	19.91	7.71	0.1183	78.3	6.91	3.0
8/10/2005	23:00:00	19.78	7.69	0.1189	78.6	6.96	3.0
8/11/2005	0:00:00	19.54	7.67	0.1172	77.3	6.87	3.0
8/11/2005	1:00:00	19.71	7.69	0.1179	78.8	6.98	3.0
8/11/2005	2:00:00	19.64	7.68	0.1163	78.5	6.96	3.0
8/11/2005	3:00:00	19.75	7.68	0.1181	78.1	6.91	3.0
8/11/2005	4:00:00	19.72	7.68	0.1178	78.1	6.92	3.0
8/11/2005	5:00:00	19.77	7.69	0.1182	78.2	6.92	3.0
8/11/2005	6:00:00	19.87	7.7	0.1193	78.9	6.97	3.0
8/11/2005	7:00:00	19.79	7.69	0.1182	79	6.98	3.0
8/11/2005	8:00:00	19.89	7.7	0.1172	79.7	7.04	3.0
8/11/2005	9:00:00	20	7.7	0.1174	79.9	7.04	3.0
8/11/2005	10:00:00	19.97	7.69	0.1177	78.9	6.96	3.0
8/11/2005	11:00:00	19.94	7.69	0.1182	79	6.96	3.0
8/11/2005	12:00:00	20.05	7.7	0.1185	79.6	7.00	3.0
8/11/2005	13:00:00	20.11	7.7	0.1172	79.6	7.00	3.0
8/11/2005	14:00:00	20.23	7.7	0.1183	80	7.01	3.0
8/11/2005	15:00:00	20.38	7.71	0.119	80.2	7.01	3.0
8/11/2005	16:00:00	20.06	7.68	0.1181	79	6.95	3.0
8/11/2005	17:00:00	20.19	7.68	0.1186	79.5	6.97	3.0
8/11/2005	18:00:00	20.06	7.67	0.1189	78.5	6.90	3.0
8/11/2005	19:00:00	19.85	7.72	0.1189	77.8	6.88	3.0
8/11/2005	20:00:00	20.01	7.67	0.1189	78.4	6.91	3.0
8/11/2005	21:00:00	19.7	7.64	0.1191	77.1	6.83	3.0
8/11/2005	22:00:00	19.98	7.67	0.1194	77.4	6.82	3.0
8/11/2005	23:00:00	19.97	7.67	0.1194	78.7	6.93	3.0
8/12/2005	0:00:00	19.86	7.66	0.118	77.7	6.86	3.0
8/12/2005	1:00:00	20.07	7.67	0.1192	78.9	6.94	3.0
8/12/2005	2:00:00	20.01	7.66	0.1195	77.8	6.85	3.0
8/12/2005	3:00:00	20.07	7.66	0.1197	78.5	6.90	3.0
8/12/2005	4:00:00	19.89	7.64	0.1183	77.4	6.83	3.0
8/12/2005	5:00:00	20.04	7.65	0.1189	78.2	6.88	3.0
8/12/2005	6:00:00	19.96	7.65	0.119	77.3	6.81	3.0
8/12/2005	7:00:00	20.13	7.66	0.1189	78.7	6.91	3.0
8/12/2005	8:00:00	20.19	7.68	0.1195	78.1	6.85	3.0
8/12/2005	9:00:00	20.35	7.69	0.1194	78.8	6.90	3.0
8/12/2005	10:00:00	20.47	7.7	0.119	80.3	7.00	3.0

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/12/2005	11:00:00	20.56	7.7	0.1183	79.8	6.95	3.0
6/12/2005	12:00:00	20.71	7.71	0.1191	81.2	7.05	3.0
6/12/2005	13:00:00	20.67	7.7	0.1197	79.7	6.92	3.0
6/12/2005	14:00:00	20.48	7.69	0.119	78.7	6.86	3.0
6/12/2005	15:00:00	20.52	7.7	0.1191	78.9	6.88	3.0
6/12/2005	16:00:00	20.51	7.7	0.1198	80	6.98	3.0
6/12/2005	17:00:00	20.45	7.7	0.1199	79.5	6.94	3.0
6/12/2005	18:00:00	20.41	7.69	0.1198	78.4	6.85	3.0
6/12/2005	19:00:00	20.32	7.68	0.1193	78.3	6.86	3.0
6/12/2005	20:00:00	20.37	7.66	0.1204	77.5	6.77	3.2
6/12/2005	21:00:00	20.43	7.66	0.1203	77.4	6.76	3.4
6/12/2005	22:00:00	20.38	7.66	0.1205	77.6	6.78	3.4
6/12/2005	23:00:00	20.41	7.66	0.1201	77.9	6.80	3.4
6/13/2005	0:00:00	20.33	7.65	0.1194	77.2	6.75	3.4
6/13/2005	1:00:00	20.34	7.68	0.1189	77.7	6.80	3.4
6/13/2005	2:00:00	20.38	7.66	0.1189	78.1	6.83	3.4
6/13/2005	3:00:00	20.38	7.67	0.1197	77.2	6.75	3.4
6/13/2005	4:00:00	20.49	7.67	0.1204	77.3	6.74	3.4
6/13/2005	5:00:00	20.45	7.67	0.1199	77.4	6.76	3.4
6/13/2005	6:00:00	20.5	7.67	0.1195	78.1	6.81	3.4
6/13/2005	7:00:00	20.58	7.67	0.1203	79.2	6.90	3.4
6/13/2005	8:00:00	20.89	7.74	0.1205	79.9	6.91	3.4
6/13/2005	9:00:00	20.66	7.71	0.1204	78.9	6.86	3.4
6/13/2005	10:00:00	20.73	7.71	0.1208	78.9	6.85	3.3
6/13/2005	11:00:00	20.77	7.71	0.1207	79.3	6.88	3.3
6/13/2005	12:00:00	20.87	7.71	0.1204	79.7	6.90	3.3
6/13/2005	13:00:00	20.84	7.7	0.1205	79.4	6.88	3.3
6/13/2005	14:00:00	20.8	7.69	0.1203	79.2	6.87	3.3
6/13/2005	15:00:00	20.81	7.7	0.1207	79.3	6.88	3.3
6/13/2005	16:00:00	20.81	7.69	0.121	79.7	6.90	3.3
6/13/2005	17:00:00	20.61	7.67	0.1206	78.2	6.80	3.3
6/13/2005	18:00:00	20.68	7.68	0.1206	77.8	6.76	3.3
6/13/2005	19:00:00	20.89	7.71	0.1208	78.9	6.83	3.3
6/13/2005	20:00:00	20.52	7.66	0.1202	77.7	6.78	3.3
6/13/2005	21:00:00	20.89	7.69	0.1217	78.3	6.77	3.3
6/13/2005	22:00:00	20.74	7.68	0.1212	77.2	6.70	3.3
6/13/2005	23:00:00	20.72	7.66	0.1199	78	6.78	3.3
6/14/2005	0:00:00	20.76	7.68	0.1212	76.8	6.66	3.3
6/14/2005	1:00:00	21.08	7.7	0.1231	77	6.64	3.5
6/14/2005	2:00:00	21.05	7.76	0.123	78	6.73	4.4
6/14/2005	3:00:00	20.92	7.75	0.1217	76.4	6.61	4.4
6/14/2005	4:00:00	20.95	7.74	0.1217	76.6	6.62	4.4
6/14/2005	5:00:00	21	7.69	0.122	77.2	6.66	4.4
6/14/2005	6:00:00	21.05	7.67	0.1228	77	6.64	4.4
6/14/2005	7:00:00	20.98	7.68	0.1225	76.4	6.60	4.4
6/14/2005	8:00:00	21.18	7.73	0.1236	78.1	6.72	4.4
6/14/2005	9:00:00	21.32	7.69	0.1237	78.2	6.71	5.2
6/14/2005	10:00:00	21.45	7.73	0.1233	79.4	6.80	5.3
6/14/2005	11:00:00	21.45	7.63	0.1239	79.1	6.77	5.8
6/14/2005	12:00:00	21.41	7.68	0.124	78.8	6.75	5.8
6/14/2005	13:00:00	21.43	7.81	0.124	77.3	6.62	5.8
6/14/2005	14:00:00	21.64	7.81	0.1249	78.9	6.73	6.2
6/14/2005	15:00:00	21.72	7.77	0.1247	79.5	6.77	8.5
6/14/2005	16:00:00	21.98	7.69	0.1254	81.3	6.89	8.8
6/14/2005	17:00:00	21.99	7.67	0.1247	80.6	6.83	10.4

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/14/2005	18:00:00	21.99	7.84	0.1246	80.7	6.83	10.4
8/14/2005	19:00:00	21.88	7.81	0.1247	79.7	6.77	10.3
8/14/2005	20:00:00	21.99	7.83	0.1249	81.2	6.88	10.7
8/14/2005	21:00:00	21.92	7.82	0.1252	80.5	6.83	10.7
8/14/2005	22:00:00	21.82	7.6	0.1253	79.9	6.79	10.7
8/14/2005	23:00:00	21.84	7.48	0.1252	79.9	6.79	10.7
8/15/2005	0:00:00	21.72	7.45	0.1244	80.1	6.82	10.7
8/15/2005	1:00:00	21.54	7.42	0.1238	78.7	6.73	10.7
8/15/2005	2:00:00	21.49	7.41	0.124	78.3	6.70	10.7
8/15/2005	3:00:00	21.42	7.45	0.1238	77.8	6.66	10.7
8/15/2005	4:00:00	21.39	7.45	0.1241	78.8	6.75	10.7
8/15/2005	5:00:00	21.3	7.44	0.1239	78.4	6.73	10.7
8/15/2005	6:00:00	21.12	7.4	0.1233	78	6.72	10.7
8/15/2005	7:00:00	21.13	7.56	0.1231	78	6.72	10.7
8/15/2005	8:00:00	21.02	7.42	0.1218	78.5	6.78	10.7
8/15/2005	9:00:00	20.89	7.42	0.1209	79.4	6.87	10.7
8/15/2005	10:00:00	20.83	7.42	0.1205	78.9	6.84	10.6
8/15/2005	11:00:00	20.57	7.42	0.1193	79.9	6.96	10.6
8/15/2005	12:00:00	20.36	7.54	0.1188	78.3	6.85	10.6
8/15/2005	13:00:00	20.21	7.69	0.1176	80.1	7.02	10.6
8/15/2005	14:00:00	20.12	7.74	0.1169	81.6	7.17	10.6
8/15/2005	15:00:00	20.01	7.69	0.1162	81.2	7.15	10.6
8/15/2005	16:00:00	20	7.71	0.1154	82.4	7.26	10.6
8/15/2005	17:00:00	19.95	7.69	0.1146	81.9	7.22	10.5
8/15/2005	18:00:00	19.85	7.64	0.1136	82.4	7.28	10.5
8/15/2005	19:00:00	19.78	7.74	0.1128	82.8	7.32	10.5
8/15/2005	20:00:00	19.7	7.73	0.1109	83.2	7.38	10.5
8/15/2005	21:00:00	19.76	7.7	0.1108	83.8	7.41	10.5
8/15/2005	22:00:00	19.69	7.65	0.1108	83.2	7.38	10.5
8/15/2005	23:00:00	19.62	7.59	0.1105	82.5	7.32	10.5
8/16/2005	0:00:00	19.62	7.57	0.111	81.4	7.22	10.5
8/16/2005	1:00:00	19.47	7.58	0.1082	82.3	7.32	10.5
8/16/2005	2:00:00	19.53	7.55	0.108	83.8	7.45	10.5
8/16/2005	3:00:00	19.31	7.55	0.1065	83.9	7.49	10.5
8/16/2005	4:00:00	19.27	7.53	0.1053	83.1	7.42	10.5
8/16/2005	5:00:00	19.21	7.53	0.1043	83.5	7.47	10.5
8/16/2005	6:00:00	19.16	7.53	0.1039	83.4	7.47	10.5
8/16/2005	7:00:00	19.05	7.53	0.1033	82.9	7.45	10.5
8/16/2005	8:00:00	18.99	7.51	0.1019	83.7	7.52	10.4
8/16/2005	9:00:00	19	7.47	0.1013	83.2	7.48	10.4
8/16/2005	10:00:00	18.8	7.5	0.0985	83.2	7.51	10.4
8/16/2005	11:00:00	18.62	7.49	0.0964	84.1	7.61	10.4
8/16/2005	12:00:00	18.5	7.46	0.0945	84.5	7.67	10.4
8/16/2005	13:00:00	18.44	7.47	0.0941	84.4	7.67	10.4
8/16/2005	14:00:00	18.42	7.52	0.0936	83.8	7.62	10.4
8/16/2005	15:00:00	18.4	7.47	0.0938	84.5	7.69	10.4
8/16/2005	16:00:00	18.36	7.49	0.0933	85.2	7.76	10.4
8/16/2005	17:00:00	18.23	7.58	0.0923	84.8	7.74	10.4
8/16/2005	18:00:00	18.36	7.52	0.0929	85.3	7.76	10.4
8/16/2005	19:00:00	18.5	7.55	0.0935	85.3	7.74	10.4
8/16/2005	20:00:00	18.54	7.54	0.0939	85.8	7.79	10.4
8/16/2005	21:00:00	18.53	7.55	0.0925	86.2	7.82	10.4
8/16/2005	22:00:00	18.56	7.48	0.0924	86.1	7.81	10.4
8/16/2005	23:00:00	18.58	7.55	0.092	86.1	7.80	10.4
8/17/2005	0:00:00	18.56	7.46	0.0916	86.4	7.83	10.4

Bond Falls Hydroelectric Project - Victoria Tailrace

08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/17/2005	1:00:00	18.52	7.54	0.0907	86.6	7.86	10.4
8/17/2005	2:00:00	18.55	7.55	0.0903	86.6	7.85	10.4
8/17/2005	3:00:00	18.64	7.55	0.091	86.9	7.87	10.4
8/17/2005	4:00:00	18.57	7.27	0.0899	86.1	7.81	10.4
8/17/2005	5:00:00	18.52	7.45	0.0908	84.8	7.70	10.4
8/17/2005	6:00:00	18.55	7.21	0.0912	85.6	7.77	10.4
8/17/2005	7:00:00	18.5	7.41	0.0906	85.4	7.76	10.4
8/17/2005	8:00:00	18.44	7.5	0.0898	85.2	7.74	10.4
8/17/2005	9:00:00	18.43	7.45	0.0888	85	7.73	10.4
8/17/2005	10:00:00	18.42	7.4	0.0886	85.6	7.78	10.4
8/17/2005	11:00:00	18.36	7.45	0.0878	84.7	7.71	10.4
8/17/2005	12:00:00	18.23	7.41	0.0867	84.9	7.75	10.4
8/17/2005	13:00:00	18.15	7.44	0.0846	86	7.87	10.4
8/17/2005	14:00:00	18.18	7.41	0.085	85.5	7.81	10.4
8/17/2005	15:00:00	18.31	7.42	0.0859	85.4	7.78	10.4
8/17/2005	16:00:00	18.29	7.17	0.0864	85.1	7.76	10.4
8/17/2005	17:00:00	18.4	7.42	0.0871	84.7	7.71	10.4
8/17/2005	18:00:00	18.36	7.42	0.0874	84.9	7.73	10.4
8/17/2005	19:00:00	18.42	7.44	0.0874	84.5	7.68	10.4
8/17/2005	20:00:00	18.42	7.44	0.0874	84.6	7.70	10.4
8/17/2005	21:00:00	18.47	7.45	0.087	84.8	7.70	10.4
8/17/2005	22:00:00	18.52	7.47	0.0872	84.7	7.68	10.4
8/17/2005	23:00:00	18.55	7.43	0.087	85.1	7.72	10.4
8/18/2005	0:00:00	18.58	7.39	0.087	84.9	7.69	10.4
8/18/2005	1:00:00	18.56	7.46	0.0873	84.7	7.68	10.4
8/18/2005	2:00:00	18.58	7.4	0.0874	85	7.71	10.4
8/18/2005	3:00:00	18.62	7.35	0.088	84.5	7.65	10.4
8/18/2005	4:00:00	18.59	7.42	0.0878	84.5	7.66	10.4
8/18/2005	5:00:00	18.53	7.43	0.0874	84	7.62	10.4
8/18/2005	6:00:00	18.48	7.42	0.0869	84.2	7.65	10.4
8/18/2005	7:00:00	18.46	7.39	0.0865	83.9	7.63	10.5
8/18/2005	8:00:00	18.43	7.47	0.0854	83.8	7.62	10.0
8/18/2005	9:00:00	18.48	7.37	0.0857	83.9	7.62	8.8
8/18/2005	10:00:00	18.7	7.4	0.086	84.2	7.61	9.2
8/18/2005	11:00:00	18.84	7.45	0.0865	84.1	7.58	9.4
8/18/2005	12:00:00	18.96	7.43	0.0858	84.4	7.59	9.7
8/18/2005	13:00:00	18.92	7.38	0.085	84.2	7.58	9.7
8/18/2005	14:00:00	19.28	7.43	0.0853	85	7.60	9.7
8/18/2005	15:00:00	19.23	7.39	0.0854	84.1	7.52	9.7
8/18/2005	16:00:00	19.1	7.35	0.0859	82.7	7.42	9.9
8/18/2005	17:00:00	19.02	7.36	0.0865	83.4	7.49	10.1
8/18/2005	18:00:00	18.99	7.32	0.0865	83.1	7.47	10.1
8/18/2005	19:00:00	19.13	7.39	0.086	83.5	7.48	10.1
8/18/2005	20:00:00	19.04	7.38	0.0862	83.1	7.46	10.1
8/18/2005	21:00:00	18.98	7.32	0.0866	82.7	7.43	10.1
8/18/2005	22:00:00	18.93	7.4	0.0867	82.4	7.42	10.1
8/18/2005	23:00:00	18.87	7.38	0.0863	82.2	7.41	9.9
8/19/2005	0:00:00	18.86	7.38	0.0859	82.2	7.41	9.9
8/19/2005	1:00:00	18.9	7.44	0.0857	82.6	7.44	9.4
8/19/2005	2:00:00	19	7.41	0.0852	83.4	7.50	9.4
8/19/2005	3:00:00	18.96	7.39	0.0846	83.6	7.52	9.4
8/19/2005	4:00:00	19.04	7.44	0.0847	83.5	7.50	9.2
8/19/2005	5:00:00	19.03	7.35	0.0851	83.6	7.51	9.0
8/19/2005	6:00:00	18.97	7.4	0.0848	82.8	7.45	9.0
8/19/2005	7:00:00	19.06	7.31	0.0851	83.3	7.47	9.0

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/19/2005	8:00:00	18.98	7.41	0.0852	82.6	7.42	9.0
8/19/2005	9:00:00	19.09	7.4	0.0852	83.2	7.46	9.0
8/19/2005	10:00:00	19.22	7.4	0.0848	83.3	7.46	9.0
8/19/2005	11:00:00	19.32	7.41	0.0847	84.5	7.54	8.6
8/19/2005	12:00:00	19.26	7.39	0.0847	83.7	7.49	8.6
8/19/2005	13:00:00	19.16	7.38	0.0854	83.4	7.47	8.5
8/19/2005	14:00:00	19.55	7.42	0.0848	84.3	7.50	8.4
8/19/2005	15:00:00	19.46	7.4	0.0849	83.7	7.45	8.0
8/19/2005	16:00:00	19.04	7.38	0.0852	82.1	7.37	7.8
8/19/2005	17:00:00	19.14	7.39	0.0851	82.4	7.38	7.2
8/19/2005	18:00:00	18.84	7.37	0.0853	82.2	7.41	7.2
8/19/2005	19:00:00	18.85	7.37	0.085	81.5	7.35	6.2
8/19/2005	20:00:00	18.83	7.37	0.0853	81.5	7.35	6.0
8/19/2005	21:00:00	18.84	7.38	0.0855	81.4	7.34	6.0
8/19/2005	22:00:00	18.97	7.37	0.0856	81.5	7.33	6.0
8/19/2005	23:00:00	18.97	7.38	0.0853	81.8	7.36	6.0
8/20/2005	0:00:00	18.92	7.37	0.0854	81	7.29	6.0
8/20/2005	1:00:00	18.83	7.36	0.0857	80.8	7.29	6.0
8/20/2005	2:00:00	19.03	7.35	0.0857	81.2	7.29	6.1
8/20/2005	3:00:00	18.91	7.37	0.0858	80.5	7.25	5.9
8/20/2005	4:00:00	19.01	7.39	0.0856	81	7.28	5.7
8/20/2005	5:00:00	19.03	7.39	0.0857	81	7.28	5.7
8/20/2005	6:00:00	19.06	7.38	0.0856	80.9	7.26	5.7
8/20/2005	7:00:00	18.81	7.35	0.0857	80.7	7.28	5.8
8/20/2005	8:00:00	18.98	7.4	0.086	81	7.29	5.1
8/20/2005	9:00:00	19.24	7.41	0.0855	81.6	7.29	5.1
8/20/2005	10:00:00	18.95	7.4	0.0858	81.2	7.31	5.1
8/20/2005	11:00:00	19.24	7.39	0.0855	81.6	7.30	5.1
8/20/2005	12:00:00	18.95	7.4	0.0856	80.8	7.27	5.1
8/20/2005	13:00:00	19.16	7.38	0.0858	81.6	7.31	5.1
8/20/2005	14:00:00	18.99	7.39	0.0857	80.2	7.21	5.1
8/20/2005	15:00:00	19.23	7.4	0.0858	81.1	7.25	5.1
8/20/2005	16:00:00	19.14	7.39	0.0856	80.9	7.25	5.1
8/20/2005	17:00:00	19.04	7.39	0.0855	79.9	7.18	5.1
8/20/2005	18:00:00	19.04	7.36	0.0857	79.6	7.15	5.1
8/20/2005	19:00:00	19.18	7.39	0.0858	80.1	7.17	5.1
8/20/2005	20:00:00	19.09	7.38	0.086	79.7	7.15	5.1
8/20/2005	21:00:00	19.06	7.37	0.086	79.4	7.13	5.1
8/20/2005	22:00:00	18.87	7.39	0.0861	79.1	7.13	5.1
8/20/2005	23:00:00	18.97	7.39	0.0857	79.4	7.14	5.1
8/21/2005	0:00:00	18.87	7.41	0.0858	78.5	7.07	5.1
8/21/2005	1:00:00	18.99	7.38	0.0856	79.4	7.14	5.1
8/21/2005	2:00:00	19.08	7.39	0.086	79.4	7.12	5.1
8/21/2005	3:00:00	18.98	7.38	0.086	79.3	7.13	5.1
8/21/2005	4:00:00	18.97	7.38	0.0858	78.9	7.09	5.1
8/21/2005	5:00:00	19.17	7.35	0.086	79.7	7.14	5.1
8/21/2005	6:00:00	19.12	7.36	0.0859	79.6	7.14	5.1
8/21/2005	7:00:00	19.16	7.34	0.0863	79.4	7.11	5.1
8/21/2005	8:00:00	19.2	7.36	0.0862	79.7	7.14	5.1
8/21/2005	9:00:00	19.43	7.4	0.0861	80.2	7.14	5.1
8/21/2005	10:00:00	19.38	7.33	0.0863	80.2	7.15	5.1
8/21/2005	11:00:00	19.43	7.35	0.0862	79.9	7.12	5.1
8/21/2005	12:00:00	19.48	7.35	0.0866	80.6	7.17	5.1
8/21/2005	13:00:00	19.52	7.35	0.0865	80	7.11	5.1
8/21/2005	14:00:00	19.53	7.34	0.0856	80.2	7.13	5.1

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/21/2005	15:00:00	19.51	7.35	0.0863	79.8	7.10	5.1
8/21/2005	16:00:00	19.56	7.36	0.0863	80.2	7.13	5.1
8/21/2005	17:00:00	19.64	7.34	0.0862	80	7.10	5.1
8/21/2005	18:00:00	19.48	7.33	0.0865	79.7	7.10	5.1
8/21/2005	19:00:00	19.41	7.33	0.0865	79.3	7.07	5.1
8/21/2005	20:00:00	19.48	7.31	0.0866	79.6	7.09	5.1
8/21/2005	21:00:00	19.45	7.33	0.0869	79.1	7.04	5.1
8/21/2005	22:00:00	19.4	7.31	0.0867	78.7	7.01	5.1
8/21/2005	23:00:00	19.38	7.31	0.0865	79.3	7.07	5.1
8/22/2005	0:00:00	19.37	7.29	0.0867	80.2	7.16	5.1
8/22/2005	1:00:00	19.34	7.32	0.0867	78.7	7.03	5.1
8/22/2005	2:00:00	19.33	7.31	0.0865	78	6.96	5.1
8/22/2005	3:00:00	19.32	7.29	0.0869	77.8	6.95	4.5
8/22/2005	4:00:00	19.26	7.31	0.0867	78.1	6.98	4.2
8/22/2005	5:00:00	19.25	7.3	0.0864	77.7	6.95	4.2
8/22/2005	6:00:00	19.38	7.31	0.0865	78.4	6.99	4.2
8/22/2005	7:00:00	19.46	7.31	0.0869	78.5	6.99	4.2
8/22/2005	8:00:00	19.58	7.32	0.0869	78.8	7.00	4.2
8/22/2005	9:00:00	19.59	7.32	0.0871	78.2	6.95	4.2
8/22/2005	10:00:00	19.66	7.31	0.0872	78.3	6.94	4.2
8/22/2005	11:00:00	19.8	7.33	0.087	78.9	6.98	4.2
8/22/2005	12:00:00	19.78	7.32	0.0869	78.9	6.98	4.2
8/22/2005	13:00:00	19.77	7.31	0.0873	78.4	6.94	4.2
8/22/2005	14:00:00	19.85	7.31	0.0871	78.7	6.95	4.2
8/22/2005	15:00:00	19.84	7.3	0.0874	78.6	6.94	4.2
8/22/2005	16:00:00	19.8	7.29	0.0873	78.5	6.94	4.2
8/22/2005	17:00:00	19.71	7.29	0.0874	77.8	6.90	4.2
8/22/2005	18:00:00	19.87	7.29	0.087	78.7	6.95	4.2
8/22/2005	19:00:00	19.6	7.27	0.0868	77.8	6.91	4.2
8/22/2005	20:00:00	19.65	7.26	0.087	77.4	6.86	4.2
8/22/2005	21:00:00	19.76	7.26	0.0874	77.1	6.83	4.2
8/22/2005	22:00:00	19.71	7.26	0.0872	77.1	6.83	4.2
8/22/2005	23:00:00	19.76	7.26	0.0872	77	6.82	4.2
8/23/2005	0:00:00	19.8	7.26	0.0874	76.3	6.75	4.2
8/23/2005	1:00:00	19.73	7.27	0.0872	76.1	6.74	4.2
8/23/2005	2:00:00	19.77	7.27	0.0871	76.4	6.76	4.2
8/23/2005	3:00:00	19.78	7.26	0.0874	76	6.73	4.2
8/23/2005	4:00:00	19.84	7.27	0.0871	75.9	6.71	4.2
8/23/2005	5:00:00	19.81	7.25	0.0874	76	6.72	4.2
8/23/2005	6:00:00	19.92	7.27	0.0873	75.6	6.67	4.2
8/23/2005	7:00:00	19.95	7.28	0.0872	75.7	6.67	4.2
8/23/2005	8:00:00	20.13	7.29	0.0878	76.3	6.70	4.2
8/23/2005	9:00:00	20.02	7.31	0.0876	76	6.69	4.2
8/23/2005	10:00:00	20.12	7.29	0.0878	76.6	6.73	4.1
8/23/2005	11:00:00	20.50	6.42	0.0909	81.1	7.03	3.8
8/23/2005	12:00:00	20.22	6.44	0.0911	80.6	7.03	3.8
8/23/2005	13:00:00	20.48	6.46	0.0905	81.6	7.08	3.8
8/23/2005	14:00:00	21.07	6.43	0.0905	83.4	7.17	3.8
8/23/2005	15:00:00	20.84	6.43	0.0909	83.2	7.18	3.8
8/23/2005	16:00:00	21.08	6.50	0.0921	83.0	7.13	3.8
8/23/2005	17:00:00	20.83	6.43	0.0913	82.7	7.13	3.8
8/23/2005	18:00:00	21.10	6.48	0.0916	83.3	7.15	3.8
8/23/2005	19:00:00	20.82	6.39	0.0923	81.9	7.07	3.8
8/23/2005	20:00:00	21.04	6.40	0.0926	82.0	7.06	3.8
8/23/2005	21:00:00	20.98	6.41	0.0932	81.4	7.02	3.8

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/23/2005	22:00:00	21.09	6.41	0.0928	81.8	7.04	3.8
6/23/2005	23:00:00	21.14	6.39	0.0926	82.1	7.05	3.8
6/24/2005	0:00:00	21.43	6.41	0.0928	82.7	7.06	3.8
6/24/2005	1:00:00	21.42	6.37	0.0935	82.0	7.00	4.0
6/24/2005	2:00:00	21.54	6.41	0.0935	82.8	7.06	4.4
6/24/2005	3:00:00	21.49	6.48	0.0934	82.1	7.01	4.4
6/24/2005	4:00:00	21.62	6.44	0.0938	82.1	7.00	4.4
6/24/2005	5:00:00	21.49	6.46	0.0941	82.0	7.00	4.4
6/24/2005	6:00:00	21.55	6.42	0.0938	82.1	7.01	4.4
6/24/2005	7:00:00	21.49	6.41	0.0938	81.7	6.98	4.4
6/24/2005	8:00:00	21.44	6.41	0.0947	81.3	6.95	4.4
6/24/2005	9:00:00	21.68	6.43	0.0952	81.7	6.97	4.4
6/24/2005	10:00:00	21.69	6.42	0.0944	81.9	6.98	4.4
6/24/2005	11:00:00	21.66	6.41	0.0941	81.6	6.96	4.4
6/24/2005	12:00:00	21.48	6.36	0.0938	80.7	6.91	4.4
6/24/2005	13:00:00	21.51	6.35	0.0949	80.8	6.92	4.4
6/24/2005	14:00:00	21.65	6.42	0.0947	81.5	6.95	4.4
6/24/2005	15:00:00	21.61	6.40	0.0942	81.5	6.97	4.4
6/24/2005	16:00:00	21.58	6.35	0.0941	81.6	6.98	4.4
6/24/2005	17:00:00	21.81	6.41	0.0952	81.1	6.91	4.4
6/24/2005	18:00:00	21.40	6.36	0.0943	80.0	6.86	4.4
6/24/2005	19:00:00	21.47	6.36	0.0951	79.7	6.83	4.4
6/24/2005	20:00:00	21.48	6.35	0.0949	79.0	6.77	4.4
6/24/2005	21:00:00	21.43	6.33	0.0954	78.6	6.74	4.4
6/24/2005	22:00:00	21.41	6.35	0.0958	78.5	6.75	4.4
6/24/2005	23:00:00	21.60	6.34	0.0953	78.8	6.75	4.4
6/25/2005	0:00:00	21.64	6.33	0.0958	78.9	6.76	4.4
6/25/2005	1:00:00	21.63	6.34	0.0958	79.1	6.77	4.4
6/25/2005	2:00:00	21.73	6.36	0.0961	79.3	6.77	4.4
6/25/2005	3:00:00	21.76	6.36	0.0965	79.0	6.75	4.4
6/25/2005	4:00:00	21.81	6.37	0.0967	79.4	6.78	4.4
6/25/2005	5:00:00	21.83	6.37	0.0969	79.5	6.79	4.4
6/25/2005	6:00:00	21.86	6.35	0.0970	79.7	6.80	4.4
6/25/2005	7:00:00	22.03	6.39	0.0970	80.1	6.81	4.4
6/25/2005	8:00:00	22.06	6.43	0.0973	80.6	6.85	4.4
6/25/2005	9:00:00	22.15	6.46	0.0972	80.8	6.85	4.4
6/25/2005	10:00:00	22.18	6.41	0.0971	80.2	6.80	4.4
6/25/2005	11:00:00	22.24	6.40	0.0978	80.3	6.81	4.4
6/25/2005	12:00:00	22.28	6.44	0.0972	81.0	6.86	4.4
6/25/2005	13:00:00	22.21	6.38	0.0974	80.3	6.81	4.4
6/25/2005	14:00:00	22.38	6.41	0.0978	80.6	6.82	4.4
6/25/2005	15:00:00	22.35	6.40	0.0986	79.8	6.75	4.4
6/25/2005	16:00:00	22.42	6.46	0.0994	80.1	6.77	4.4
6/25/2005	17:00:00	22.29	6.43	0.0987	79.5	6.75	4.4
6/25/2005	18:00:00	22.41	6.46	0.0993	80.4	6.81	4.4
6/25/2005	19:00:00	22.28	6.46	0.0991	79.3	6.73	4.4
6/25/2005	20:00:00	22.34	6.42	0.0998	79.0	6.70	4.4
6/25/2005	21:00:00	22.37	6.46	0.1012	78.5	6.65	4.4
6/25/2005	22:00:00	22.43	6.42	0.1008	78.9	6.68	4.4
6/25/2005	23:00:00	22.37	6.46	0.1010	78.6	6.66	4.4
6/26/2005	0:00:00	22.34	6.41	0.1002	78.4	6.66	4.4
6/26/2005	1:00:00	22.39	6.44	0.1005	78.6	6.67	4.4
6/26/2005	2:00:00	22.45	6.43	0.1005	78.9	6.69	4.4
6/26/2005	3:00:00	22.46	6.43	0.0997	79.0	6.69	4.4
6/26/2005	4:00:00	22.46	6.46	0.1003	79.0	6.70	4.4

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/26/2005	5:00:00	22.45	6.45	0.1012	78.5	6.66	4.4
6/26/2005	6:00:00	22.51	6.46	0.1012	78.6	6.67	4.4
6/26/2005	7:00:00	22.57	6.45	0.1013	79.4	6.73	4.4
6/26/2005	8:00:00	22.61	6.45	0.1012	79.2	6.70	4.3
6/26/2005	9:00:00	22.67	6.44	0.1017	79.3	6.70	4.1
6/26/2005	10:00:00	22.63	6.44	0.1025	78.5	6.64	4.1
6/26/2005	11:00:00	22.77	6.48	0.1025	79.0	6.67	4.1
6/26/2005	12:00:00	22.85	6.48	0.1018	79.8	6.72	4.1
6/26/2005	13:00:00	22.81	6.52	0.1014	79.5	6.72	4.1
6/26/2005	14:00:00	22.83	6.48	0.1014	79.3	6.70	4.1
6/26/2005	15:00:00	22.80	6.40	0.1021	78.8	6.66	4.1
6/26/2005	16:00:00	22.91	6.50	0.1028	78.5	6.62	4.1
6/26/2005	17:00:00	22.85	6.49	0.1020	79.0	6.67	4.1
6/26/2005	18:00:00	22.83	6.47	0.1018	79.1	6.68	4.1
6/26/2005	19:00:00	22.90	6.46	0.1016	78.5	6.63	4.1
6/26/2005	20:00:00	22.83	6.48	0.1028	78.9	6.50	4.1
6/26/2005	21:00:00	22.73	6.45	0.1023	78.8	6.51	4.1
6/26/2005	22:00:00	22.72	6.43	0.1029	78.4	6.48	4.1
6/26/2005	23:00:00	22.89	6.44	0.1031	78.3	6.45	4.1
6/27/2005	0:00:00	22.83	6.45	0.1025	78.5	6.48	4.1
6/27/2005	1:00:00	22.84	6.47	0.1031	78.9	6.52	4.0
6/27/2005	2:00:00	22.89	6.45	0.1036	78.5	6.48	3.9
6/27/2005	3:00:00	22.93	6.45	0.1035	78.3	6.46	3.9
6/27/2005	4:00:00	22.95	6.46	0.1035	78.4	6.46	3.9
6/27/2005	5:00:00	22.93	6.44	0.1042	78.4	6.46	3.9
6/27/2005	6:00:00	22.94	6.46	0.1038	78.4	6.46	3.9
6/27/2005	7:00:00	23.02	6.51	0.1041	78.7	6.47	3.9
6/27/2005	8:00:00	23.10	6.54	0.1045	78.4	6.45	3.9
6/27/2005	9:00:00	23.18	6.53	0.1040	78.3	6.60	3.9
6/27/2005	10:00:00	23.20	6.46	0.1040	78.3	6.60	3.9
6/27/2005	11:00:00	23.62	6.55	0.1049	78.9	6.43	3.9
6/27/2005	12:00:00	24.02	6.59	0.1049	82.2	6.81	4.3
6/27/2005	13:00:00	23.71	6.59	0.1046	81.4	6.79	4.0
6/27/2005	14:00:00	23.86	6.59	0.1058	81.3	6.77	3.4
6/27/2005	15:00:00	23.63	6.58	0.1052	80.6	6.74	3.2
6/27/2005	16:00:00	23.70	6.57	0.1053	83.3	6.96	3.2
6/27/2005	17:00:00	23.32	6.65	0.1069	78.8	6.63	3.2
6/27/2005	18:00:00	23.99	6.60	0.1056	81.5	6.77	3.2
6/27/2005	19:00:00	23.16	6.77	0.1075	80.0	6.75	3.2
6/27/2005	20:00:00	23.78	6.58	0.1075	78.7	6.56	3.2
6/27/2005	21:00:00	23.31	6.55	0.1051	78.5	6.61	3.2
6/27/2005	22:00:00	23.46	6.54	0.1056	78.0	6.56	3.2
6/27/2005	23:00:00	23.60	6.54	0.1067	78.7	6.60	3.2
6/28/2005	0:00:00	23.62	6.58	0.1064	79.3	6.65	3.2
6/28/2005	1:00:00	23.54	6.60	0.1057	80.0	6.71	3.2
6/28/2005	2:00:00	23.54	6.56	0.1061	78.6	6.60	3.2
6/28/2005	3:00:00	23.59	6.59	0.1070	78.8	6.62	3.2
6/28/2005	4:00:00	23.57	6.61	0.1063	79.6	6.69	3.2
6/28/2005	5:00:00	23.53	6.57	0.1062	79.1	6.65	3.2
6/28/2005	6:00:00	23.69	6.60	0.1068	79.2	6.64	3.2
6/28/2005	7:00:00	23.69	6.60	0.1069	79.5	6.66	3.2
6/28/2005	8:00:00	23.70	6.60	0.1063	78.6	6.59	3.2
6/28/2005	9:00:00	23.87	6.62	0.1076	79.5	6.64	3.2
6/28/2005	10:00:00	23.85	6.61	0.1071	78.8	6.60	3.2
6/28/2005	11:00:00	23.72	6.60	0.1068	78.2	6.57	3.2

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/28/2005	12:00:00	23.93	6.62	0.1075	79.6	6.65	3.5
6/28/2005	13:00:00	23.72	6.57	0.1068	77.9	6.54	3.7
6/28/2005	14:00:00	23.85	6.60	0.1073	78.4	6.57	3.7
6/28/2005	15:00:00	23.82	6.63	0.1074	78.2	6.55	3.7
6/28/2005	16:00:00	23.91	6.62	0.1083	78.4	6.57	3.7
6/28/2005	17:00:00	23.91	6.62	0.1088	77.2	6.47	3.7
6/28/2005	18:00:00	23.83	6.63	0.1086	77.5	6.50	3.7
6/28/2005	19:00:00	23.79	6.62	0.1091	77.1	6.48	3.7
6/28/2005	20:00:00	23.84	6.62	0.1092	77.0	6.47	3.7
6/28/2005	21:00:00	23.84	6.63	0.1100	76.9	6.45	3.7
6/28/2005	22:00:00	23.87	6.63	0.1104	77.6	6.50	3.7
6/28/2005	23:00:00	23.83	6.64	0.1097	78.0	6.56	3.7
6/29/2005	0:00:00	23.84	6.64	0.1099	77.7	6.53	3.7
6/29/2005	1:00:00	23.87	6.66	0.1106	77.9	6.55	3.7
6/29/2005	2:00:00	23.86	6.66	0.1103	78.1	6.56	3.7
6/29/2005	3:00:00	23.87	6.65	0.1102	78.4	6.58	3.7
6/29/2005	4:00:00	23.85	6.62	0.1097	78.0	6.55	3.7
6/29/2005	5:00:00	23.85	6.61	0.1096	77.7	6.54	3.7
6/29/2005	6:00:00	23.84	6.66	0.1101	77.4	6.51	3.8
6/29/2005	7:00:00	23.84	6.66	0.1100	77.2	6.50	4.1
6/29/2005	8:00:00	23.86	6.60	0.1108	77.5	6.52	4.1
6/29/2005	9:00:00	23.84	6.63	0.1108	77.8	6.55	4.1
6/29/2005	10:00:00	23.85	6.63	0.1112	77.7	6.54	4.1
6/29/2005	11:00:00	23.93	6.56	0.1113	78.2	6.58	4.1
6/29/2005	12:00:00	24.05	6.67	0.1110	77.6	6.52	4.1
6/29/2005	13:00:00	24.15	6.69	0.1110	79.4	6.65	4.1
6/29/2005	14:00:00	24.15	6.59	0.1112	79.2	6.64	4.1
6/29/2005	15:00:00	24.03	6.67	0.1106	78.7	6.61	4.1
6/29/2005	16:00:00	24.14	6.66	0.1102	79.4	6.66	4.2
6/29/2005	17:00:00	24.09	6.64	0.1107	80.1	6.71	4.7
6/29/2005	18:00:00	23.94	6.63	0.1123	75.5	6.37	4.8
6/29/2005	19:00:00	23.95	6.65	0.1135	75.3	6.35	4.8
6/29/2005	20:00:00	23.91	7.15	0.1135	75.6	6.38	4.8
6/29/2005	21:00:00	23.85	7.17	0.1122	75.5	6.38	5.0
6/29/2005	22:00:00	23.87	7.20	0.1128	74.9	6.33	5.6
6/29/2005	23:00:00	23.81	7.22	0.1128	76.0	6.43	5.8
6/30/2005	0:00:00	23.83	7.19	0.1132	75.7	6.41	6.2
6/30/2005	1:00:00	23.90	7.24	0.1138	75.2	6.36	6.5
6/30/2005	2:00:00	23.89	7.22	0.1142	75.3	6.37	6.5
6/30/2005	3:00:00	24.03	7.25	0.1134	77.3	6.52	6.5
6/30/2005	4:00:00	23.91	7.25	0.1131	77.8	6.57	6.5
6/30/2005	5:00:00	23.82	7.26	0.1127	77.4	6.55	6.5
6/30/2005	6:00:00	23.91	7.27	0.1136	77.2	6.52	6.5
6/30/2005	7:00:00	23.86	7.30	0.1140	77.7	6.58	6.5
6/30/2005	8:00:00	24.03	7.31	0.1144	79.9	6.73	6.5
6/30/2005	9:00:00	24.05	7.36	0.1143	80.6	6.79	6.5
6/30/2005	10:00:00	24.14	7.39	0.1149	81.0	6.82	6.5
6/30/2005	11:00:00	24.21	7.40	0.1147	82.9	6.96	6.5
6/30/2005	12:00:00	24.40	7.44	0.1151	83.2	6.95	6.5
6/30/2005	13:00:00	24.50	7.44	0.1160	83.8	7.00	6.5
6/30/2005	14:00:00	24.44	7.40	0.1161	84.0	7.03	6.5
6/30/2005	15:00:00	24.47	7.49	0.1158	82.9	6.94	6.5
6/30/2005	16:00:00	24.35	7.48	0.1152	81.9	6.87	6.7
6/30/2005	17:00:00	24.29	7.49	0.1150	82.4	6.91	6.8
6/30/2005	18:00:00	24.27	7.45	0.1151	81.6	6.86	6.8

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
6/30/2005	19:00:00	24.21	7.43	0.1151	80.8	6.79	6.8
6/30/2005	20:00:00	24.09	7.46	0.1154	81.1	6.84	6.8
6/30/2005	21:00:00	23.99	7.45	0.1151	80.9	6.84	6.8
6/30/2005	22:00:00	24.10	7.42	0.1161	81.0	6.84	6.8
6/30/2005	23:00:00	24.08	7.51	0.1161	81.5	6.88	6.8
7/1/2005	0:00:00	23.94	7.48	0.1162	80.9	6.84	6.8
7/1/2005	1:00:00	23.90	7.51	0.1166	81.3	6.89	6.8
7/1/2005	2:00:00	23.87	7.50	0.1163	81.1	6.88	6.8
7/1/2005	3:00:00	23.79	7.51	0.1166	80.7	6.86	6.8
7/1/2005	4:00:00	23.75	7.51	0.1165	81.1	6.90	6.8
7/1/2005	5:00:00	23.72	7.53	0.1168	80.9	6.88	6.8
7/1/2005	6:00:00	23.64	7.53	0.1167	80.3	6.85	6.0
7/1/2005	7:00:00	23.59	7.50	0.1168	80.4	6.88	5.5
7/1/2005	8:00:00	23.54	7.24	0.1172	80.3	6.85	5.5
7/1/2005	9:00:00	23.54	7.21	0.1172	80.4	6.88	5.5
7/1/2005	10:00:00	23.52	7.16	0.1175	80.5	6.89	5.5
7/1/2005	11:00:00	23.55	7.15	0.1180	80.7	6.90	5.5
7/1/2005	12:00:00	23.55	7.48	0.1180	80.2	6.86	5.5
7/1/2005	13:00:00	23.53	7.49	0.1173	79.7	6.82	5.5
7/1/2005	14:00:00	23.49	7.11	0.1185	79.5	6.81	5.5
7/1/2005	15:00:00	23.50	7.14	0.1198	79.5	6.82	5.5
7/1/2005	16:00:00	23.43	7.09	0.1197	81.2	6.96	5.5
7/1/2005	17:00:00	23.37	7.10	0.1201	76.9	6.62	5.5
7/1/2005	18:00:00	23.26	7.03	0.1204	80.0	6.89	5.5
7/1/2005	19:00:00	23.17	7.03	0.1205	79.6	6.87	5.5
7/1/2005	20:00:00	23.13	7.03	0.1215	79.9	6.90	5.5
7/1/2005	21:00:00	23.09	7.06	0.1216	79.9	6.91	5.5
7/1/2005	22:00:00	23.10	6.96	0.1214	79.9	6.91	5.5
7/1/2005	23:00:00	23.07	6.96	0.1215	80.1	6.93	5.5
7/2/2005	0:00:00	23.07	7.45	0.1212	80.9	7.00	5.5
7/2/2005	1:00:00	23.05	7.44	0.1216	81.3	7.03	6.0
7/2/2005	2:00:00	22.99	7.45	0.1213	81.1	7.03	6.8
7/2/2005	3:00:00	22.94	7.49	0.1217	81.1	7.03	7.1
7/2/2005	4:00:00	22.89	7.44	0.1214	81.0	7.03	7.1
7/2/2005	5:00:00	22.84	7.49	0.1213	80.9	7.04	7.1
7/2/2005	6:00:00	22.81	7.52	0.1217	80.8	7.03	7.1
7/2/2005	7:00:00	22.81	7.56	0.1220	81.4	7.08	7.4
7/2/2005	8:00:00	22.83	7.63	0.1224	81.9	7.12	7.7
7/2/2005	9:00:00	22.81	7.55	0.1220	82.1	7.14	7.7
7/2/2005	10:00:00	22.86	7.56	0.1226	82.4	7.16	7.7
7/2/2005	11:00:00	23.03	7.61	0.1222	83.6	7.25	7.6
7/2/2005	12:00:00	23.08	7.62	0.1222	84.1	7.28	7.6
7/2/2005	13:00:00	23.22	7.62	0.1223	84.5	7.29	7.6
7/2/2005	14:00:00	23.16	7.61	0.1227	84.7	7.32	7.6
7/2/2005	15:00:00	23.19	7.66	0.1227	85.5	7.38	7.6
7/2/2005	16:00:00	23.18	7.68	0.1225	85.2	7.38	7.6
7/2/2005	17:00:00	23.19	7.71	0.1229	85.1	7.38	7.6
7/2/2005	18:00:00	23.15	7.73	0.1228	85.4	7.39	7.6
7/2/2005	19:00:00	23.10	7.76	0.1225	85.5	7.40	7.6
7/2/2005	20:00:00	23.08	7.73	0.1226	84.9	7.35	7.6
7/2/2005	21:00:00	22.96	7.72	0.1227	84.5	7.33	7.6
7/2/2005	22:00:00	22.94	7.72	0.1225	84.0	7.30	7.6
7/2/2005	23:00:00	22.92	7.73	0.1223	83.8	7.29	7.6
7/3/2005	0:00:00	22.88	7.71	0.1225	83.9	7.31	7.6
7/3/2005	1:00:00	22.85	7.72	0.1226	83.9	7.32	7.6

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/3/2005	2:00:00	22.81	7.71	0.1227	83.9	7.32	7.6
7/3/2005	3:00:00	22.78	7.64	0.1229	83.7	7.31	7.6
7/3/2005	4:00:00	22.73	7.73	0.1226	83.7	7.31	7.6
7/3/2005	5:00:00	22.70	7.72	0.1230	83.7	7.32	7.6
7/3/2005	6:00:00	22.65	7.69	0.1227	83.7	7.33	7.6
7/3/2005	7:00:00	22.70	7.66	0.1227	83.9	7.35	7.6
7/3/2005	8:00:00	22.66	7.61	0.1228	83.9	7.35	7.5
7/3/2005	9:00:00	22.69	7.66	0.1230	84.2	7.37	6.9
7/3/2005	10:00:00	22.78	7.58	0.1229	84.9	7.41	6.9
7/3/2005	11:00:00	22.77	7.64	0.1228	84.6	7.39	6.9
7/3/2005	12:00:00	22.73	7.62	0.1226	85.0	7.44	6.9
7/3/2005	13:00:00	22.87	7.58	0.1227	85.4	7.45	6.9
7/3/2005	14:00:00	22.90	7.53	0.1226	85.3	7.44	6.9
7/3/2005	15:00:00	22.91	7.57	0.1227	85.4	7.45	6.9
7/3/2005	16:00:00	23.07	7.61	0.1226	88.2	7.65	6.9
7/3/2005	17:00:00	23.01	7.56	0.1217	86.3	7.51	6.9
7/3/2005	18:00:00	22.88	7.46	0.1223	85.8	7.48	6.9
7/3/2005	19:00:00	22.94	7.45	0.1226	86.3	7.53	6.9
7/3/2005	20:00:00	22.88	7.51	0.1231	85.8	7.50	6.9
7/3/2005	21:00:00	22.93	7.50	0.1229	85.8	7.49	6.9
7/3/2005	22:00:00	22.79	7.47	0.1228	85.1	7.45	6.9
7/3/2005	23:00:00	22.70	7.47	0.1230	85.2	7.47	6.9
7/4/2005	0:00:00	22.76	7.51	0.1225	85.4	7.48	6.9
7/4/2005	1:00:00	22.73	7.45	0.1225	83.9	7.37	6.7
7/4/2005	2:00:00	22.64	7.48	0.1224	84.4	7.42	7.0
7/4/2005	3:00:00	22.58	7.51	0.1228	85.5	7.52	6.9
7/4/2005	4:00:00	22.60	7.47	0.1223	85.7	7.54	6.4
7/4/2005	5:00:00	22.53	7.49	0.1222	85.6	7.54	6.1
7/4/2005	6:00:00	22.51	7.48	0.1222	85.3	7.52	6.0
7/4/2005	7:00:00	22.48	7.55	0.1222	85.8	7.57	6.0
7/4/2005	8:00:00	22.50	7.56	0.1222	86.3	7.60	5.9
7/4/2005	9:00:00	22.49	7.12	0.1225	86.6	7.64	5.5
7/4/2005	10:00:00	22.40	7.12	0.1223	89.6	7.90	3.3
7/4/2005	11:00:00	22.45	7.11	0.1220	90.0	7.92	3.3
7/4/2005	12:00:00	22.41	7.09	0.1210	88.3	7.79	3.3
7/4/2005	13:00:00	22.29	7.07	0.1219	88.1	7.79	3.3
7/4/2005	14:00:00	22.29	7.12	0.1212	88.6	7.84	3.3
7/4/2005	15:00:00	22.37	7.12	0.1203	88.4	7.81	3.3
7/4/2005	16:00:00	22.21	7.09	0.1213	89.7	7.94	3.3
7/4/2005	17:00:00	22.22	7.11	0.1216	87.5	7.76	3.3
7/4/2005	18:00:00	22.27	7.11	0.1208	87.5	7.76	3.3
7/4/2005	19:00:00	22.06	7.06	0.1211	86.5	7.69	3.3
7/4/2005	20:00:00	22.10	7.09	0.1215	86.3	7.68	3.3
7/4/2005	21:00:00	22.08	7.02	0.1207	86.1	7.67	3.3
7/4/2005	22:00:00	22.05	7.04	0.1207	85.7	7.65	3.3
7/4/2005	23:00:00	22.09	7.06	0.1208	85.5	7.62	3.3
7/5/2005	0:00:00	22.00	7.03	0.1212	85.2	7.61	3.3
7/5/2005	1:00:00	22.02	7.03	0.1211	85.4	7.62	3.5
7/5/2005	2:00:00	22.02	7.01	0.1209	85.6	7.64	3.6
7/5/2005	3:00:00	22.01	7.01	0.1204	85.6	7.65	3.6
7/5/2005	4:00:00	22.05	6.98	0.1204	85.6	7.64	3.6
7/5/2005	5:00:00	21.98	6.95	0.1204	85.3	7.63	3.6
7/5/2005	6:00:00	21.99	6.93	0.1205	85.5	7.64	3.6
7/5/2005	7:00:00	22.09	6.94	0.1206	85.8	7.65	3.6
7/5/2005	8:00:00	22.05	6.92	0.1207	85.4	7.63	3.6

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	Generation
							MWH
7/5/2005	9:00:00	21.97	6.94	0.1208	85.4	7.65	3.6
7/5/2005	10:00:00	22.00	6.96	0.1208	85.9	7.69	3.6
7/5/2005	11:00:00	22.05	6.84	0.1209	84.7	7.58	3.6
7/5/2005	12:00:00	22.09	6.84	0.1206	85.2	7.62	3.8
7/5/2005	13:00:00	22.07	6.94	0.1204	85.1	7.61	3.8
7/5/2005	14:00:00	22.13	6.91	0.1209	86.7	7.74	3.8
7/5/2005	15:00:00	22.22	6.95	0.1209	87.4	7.78	3.8
7/5/2005	16:00:00	22.18	7.00	0.1210	87.1	7.77	3.7
7/5/2005	17:00:00	22.11	6.96	0.1211	87.0	7.77	3.5
7/5/2005	18:00:00	22.19	6.89	0.1216	87.7	7.82	3.5
7/5/2005	19:00:00	22.12	7.06	0.1215	84.4	7.55	3.5
7/5/2005	20:00:00	21.99	6.94	0.1208	85.4	7.66	3.5
7/5/2005	21:00:00	21.99	6.91	0.1212	85.6	7.68	3.5
7/5/2005	22:00:00	22.03	6.94	0.1212	85.5	7.67	3.5
7/5/2005	23:00:00	21.96	6.88	0.1207	85.0	7.64	3.5
7/6/2005	0:00:00	21.99	6.88	0.1212	85.4	7.66	3.5
7/6/2005	1:00:00	22.04	6.96	0.1215	85.9	7.70	3.5
7/6/2005	2:00:00	21.98	6.96	0.1213	85.2	7.65	3.5
7/6/2005	3:00:00	21.90	6.92	0.1211	85.0	7.64	3.5
7/6/2005	4:00:00	21.90	6.88	0.1212	85.0	7.65	3.5
7/6/2005	5:00:00	21.89	6.83	0.1215	85.1	7.66	3.5
7/6/2005	6:00:00	21.86	6.90	0.1216	85.2	7.67	3.5
7/6/2005	7:00:00	21.85	6.95	0.1215	85.7	7.72	3.5
7/6/2005	8:00:00	21.88	6.90	0.1214	86.6	7.79	3.4
7/6/2005	9:00:00	21.96	6.92	0.1210	85.5	7.68	3.4
7/6/2005	10:00:00	22.04	6.96	0.1211	89.8	8.04	3.2
7/6/2005	11:00:00	22.15	6.90	0.1211	85.1	7.64	3.1
7/6/2005	12:00:00	22.23	6.97	0.1213	89.6	8.00	3.1
7/6/2005	13:00:00	22.22	7.02	0.1209	87.9	7.86	3.1
7/6/2005	14:00:00	22.09	6.93	0.1212	87.4	7.84	3.1
7/6/2005	15:00:00	22.11	6.93	0.1211	87.7	7.86	3.1
7/6/2005	16:00:00	22.08	6.90	0.1211	89.2	7.99	2.9
7/6/2005	17:00:00	21.98	6.95	0.1206	91.7	8.22	2.9
7/6/2005	18:00:00	21.88	6.91	0.1207	85.2	7.69	2.9
7/6/2005	19:00:00	21.74	6.97	0.1206	83.4	7.56	2.9
7/6/2005	20:00:00	21.65	6.89	0.1208	84.7	7.68	2.9
7/6/2005	21:00:00	21.59	6.85	0.1205	84.0	7.63	2.9
7/6/2005	22:00:00	21.54	6.87	0.1209	84.0	7.64	2.9
7/6/2005	23:00:00	21.59	6.89	0.1211	84.2	7.65	2.9
7/7/2005	0:00:00	21.59	6.90	0.1208	85.0	7.73	2.9
7/7/2005	1:00:00	21.58	6.96	0.1201	85.0	7.73	2.9
7/7/2005	2:00:00	21.54	6.93	0.1206	85.1	7.74	2.9
7/7/2005	3:00:00	21.49	6.94	0.1206	84.9	7.73	2.9
7/7/2005	4:00:00	21.54	7.04	0.1208	85.2	7.75	2.9
7/7/2005	5:00:00	21.50	6.92	0.1205	85.4	7.78	2.9
7/7/2005	6:00:00	21.47	7.04	0.1203	85.6	7.81	2.9
7/7/2005	7:00:00	21.50	6.95	0.1207	86.3	7.86	2.9
7/7/2005	8:00:00	21.58	6.96	0.1208	86.7	7.88	2.9
7/7/2005	9:00:00	21.64	7.03	0.1205	87.0	7.90	2.9
7/7/2005	10:00:00	21.7	6	0.1187	86.7	7.42	2.7
7/7/2005	11:00:00	21.74	6.07	0.1186	84.9	7.27	2.7
7/7/2005	12:00:00	21.79	6.09	0.1185	87.9	7.52	2.7
7/7/2005	13:00:00	21.84	6.07	0.1188	82	7.01	2.7
7/7/2005	14:00:00	21.85	6.09	0.1192	85.5	7.32	3.2
7/7/2005	15:00:00	21.71	6.1	0.1187	85.9	7.37	3.2

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/7/2005	16:00:00	21.62	6.08	0.1188	85.2	7.33	3.2
7/7/2005	17:00:00	21.7	6.12	0.1191	85.2	7.32	3.2
7/7/2005	18:00:00	21.58	6.12	0.1185	84.7	7.29	3.2
7/7/2005	19:00:00	21.27	6.08	0.1187	83.3	7.23	3.2
7/7/2005	20:00:00	21.43	5.99	0.1191	84.1	7.28	3.2
7/7/2005	21:00:00	21.44	6.09	0.1195	83.9	7.26	3.2
7/7/2005	22:00:00	21.42	6.01	0.1192	83.9	7.27	3.2
7/7/2005	23:00:00	21.36	6.03	0.1196	83.7	7.27	3.2
7/8/2005	0:00:00	21.29	6.11	0.1202	84.1	7.31	3.2
7/8/2005	1:00:00	21.41	6.08	0.1197	84.1	7.30	3.2
7/8/2005	2:00:00	21.39	6.08	0.12	83.9	7.28	3.2
7/8/2005	3:00:00	21.32	6.1	0.1193	83.3	7.24	3.2
7/8/2005	4:00:00	21.27	6.11	0.12	83.6	7.29	3.2
7/8/2005	5:00:00	21.32	6.04	0.1207	83.9	7.30	3.2
7/8/2005	6:00:00	21.31	6.1	0.1209	83.9	7.32	3.2
7/8/2005	7:00:00	21.38	6.1	0.1206	84.2	7.33	3.2
7/8/2005	8:00:00	21.44	6.12	0.1204	84.6	7.36	3.2
7/8/2005	9:00:00	21.49	6.14	0.1208	85.1	7.40	3.2
7/8/2005	10:00:00	21.55	6.11	0.1213	86	7.47	3.2
7/8/2005	11:00:00	21.75	6.11	0.1206	87.5	7.57	3.2
7/8/2005	12:00:00	21.81	6.11	0.1205	86.3	7.47	3.2
7/8/2005	13:00:00	21.67	6.08	0.1208	89.4	7.76	3.2
7/8/2005	14:00:00	21.6	6.17	0.1213	85.8	7.46	3.2
7/8/2005	15:00:00	21.67	6.19	0.1216	86	7.48	3.2
7/8/2005	16:00:00	21.67	6	0.1205	86.7	7.54	3.2
7/8/2005	17:00:00	21.54	5.97	0.1201	83.1	7.25	3.2
7/8/2005	18:00:00	21.38	5.99	0.1216	84.2	7.37	3.2
7/8/2005	19:00:00	21.43	5.92	0.1214	83.8	7.33	3.2
7/8/2005	20:00:00	21.49	5.96	0.1213	83.7	7.33	3.2
7/8/2005	21:00:00	21.47	5.96	0.1207	83	7.27	3.2
7/8/2005	22:00:00	21.42	5.98	0.121	83.3	7.30	3.2
7/8/2005	23:00:00	21.43	5.95	0.1213	83.3	7.31	3.2
7/9/2005	0:00:00	21.46	5.97	0.1215	83.4	7.32	3.2
7/9/2005	1:00:00	21.42	5.96	0.1214	83.1	7.29	3.2
7/9/2005	2:00:00	21.45	6	0.1208	82.7	7.26	3.2
7/9/2005	3:00:00	21.47	6.06	0.1213	82.9	7.28	3.2
7/9/2005	4:00:00	21.42	6.03	0.121	82.9	7.29	3.2
7/9/2005	5:00:00	21.42	6.06	0.1217	82.9	7.30	3.2
7/9/2005	6:00:00	21.42	5.99	0.1217	82.8	7.28	3.2
7/9/2005	7:00:00	21.49	6.06	0.1216	83.3	7.32	3.4
7/9/2005	8:00:00	21.53	6.03	0.121	83.1	7.31	3.6
7/9/2005	9:00:00	21.6	6.05	0.121	83.3	7.31	3.6
7/9/2005	10:00:00	21.67	6.04	0.1213	84.7	7.44	3.6
7/9/2005	11:00:00	21.8	6.09	0.1218	83.2	7.29	3.6
7/9/2005	12:00:00	21.78	6.03	0.1214	84.8	7.43	3.6
7/9/2005	13:00:00	21.73	6.05	0.1214	85.1	7.47	3.6
7/9/2005	14:00:00	21.68	6.05	0.1216	83.7	7.36	3.6
7/9/2005	15:00:00	21.85	6.07	0.121	84.3	7.38	3.6
7/9/2005	16:00:00	21.7	6.03	0.1207	82.7	7.28	3.6
7/9/2005	17:00:00	21.6	6.05	0.1215	83.4	7.36	3.6
7/9/2005	18:00:00	21.67	6.05	0.1216	84.4	7.43	3.6
7/9/2005	19:00:00	21.59	6.04	0.1214	82.9	7.32	3.6
7/9/2005	20:00:00	21.64	6.03	0.121	82.9	7.31	3.6
7/9/2005	21:00:00	21.58	6.02	0.1209	82.1	7.25	3.6
7/9/2005	22:00:00	21.56	6.01	0.1214	81.9	7.25	3.6

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/9/2005	23:00:00	21.56	6.04	0.1209	81.2	7.19	3.6
7/10/2005	0:00:00	21.55	6.03	0.1215	81.3	7.21	3.8
7/10/2005	1:00:00	21.63	5.98	0.1217	81.7	7.23	3.9
7/10/2005	2:00:00	21.7	6.04	0.1216	82	7.25	4.1
7/10/2005	3:00:00	21.75	6.09	0.122	82.8	7.32	4.1
7/10/2005	4:00:00	21.72	6.11	0.1231	83	7.34	4.1
7/10/2005	5:00:00	21.69	6.08	0.1229	82.5	7.31	4.1
7/10/2005	6:00:00	21.72	6.04	0.1231	82.6	7.31	4.1
7/10/2005	7:00:00	21.74	6.05	0.1232	83	7.35	4.1
7/10/2005	8:00:00	21.82	6.07	0.123	82.5	7.29	4.1
7/10/2005	9:00:00	22.03	6.09	0.1227	83.5	7.37	4.4
7/10/2005	10:00:00	22.1	6.14	0.123	83.5	7.35	5.5
7/10/2005	11:00:00	22.08	6.13	0.1232	85.5	7.52	5.3
7/10/2005	12:00:00	22.05	6.13	0.1231	83.3	7.35	4.7
7/10/2005	13:00:00	22.09	6.13	0.1224	84.3	7.43	4.7
7/10/2005	14:00:00	22.15	6.14	0.1227	83.5	7.36	4.7
7/10/2005	15:00:00	22.14	6.15	0.1231	83.6	7.38	4.7
7/10/2005	16:00:00	22.14	6.1	0.1235	83	7.32	4.7
7/10/2005	17:00:00	22.04	6.16	0.1239	82.6	7.32	5.1
7/10/2005	18:00:00	21.95	6.14	0.1244	82	7.27	5.0
7/10/2005	19:00:00	22.02	6.14	0.1238	81.9	7.26	5.0
7/10/2005	20:00:00	21.99	6.12	0.1235	81.6	7.25	5.0
7/10/2005	21:00:00	21.88	6.08	0.1238	81.4	7.24	5.0
7/10/2005	22:00:00	21.86	6.08	0.1233	81.8	7.26	4.5
7/10/2005	23:00:00	21.85	5.98	0.1239	82.2	7.33	4.3
7/11/2005	0:00:00	21.77	6.01	0.1235	82.4	7.35	3.9
7/11/2005	1:00:00	21.85	6.03	0.1241	82.8	7.38	3.6
7/11/2005	2:00:00	21.89	6.06	0.1248	83.1	7.41	3.5
7/11/2005	3:00:00	21.96	6.03	0.1248	83.4	7.42	3.5
7/11/2005	4:00:00	21.95	6.07	0.1244	83.2	7.42	3.5
7/11/2005	5:00:00	21.89	5.99	0.1242	83	7.41	3.5
7/11/2005	6:00:00	21.87	6.05	0.1246	82.9	7.40	3.5
7/11/2005	7:00:00	21.88	6.05	0.1245	83.5	7.45	3.5
7/11/2005	8:00:00	22.03	6.08	0.1246	84.2	7.50	3.5
7/11/2005	9:00:00	22.12	6.09	0.1248	85.2	7.58	3.5
7/11/2005	10:00:00	22.2	6.03	0.1247	87.3	7.75	3.5
7/11/2005	11:00:00	22.27	6.07	0.1246	85.2	7.56	3.5
7/11/2005	12:00:00	22.44	6.11	0.1247	87.5	7.73	3.5
7/11/2005	13:00:00	22.46	6.17	0.1247	82.8	7.35	4.8
7/11/2005	14:00:00	22.56	6.07	0.1251	83.8	7.42	5.0
7/11/2005	15:00:00	22.73	6.16	0.1247	84.8	7.47	5.7
7/11/2005	16:00:00	22.68	6.16	0.1253	83.9	7.42	5.9
7/11/2005	17:00:00	22.43	6.15	0.1254	83	7.38	5.5
7/11/2005	18:00:00	22.17	6.11	0.1252	83.6	7.48	5.0
7/11/2005	19:00:00	22.12	6.03	0.125	83.3	7.45	3.2
7/11/2005	20:00:00	22.08	6.07	0.125	83	7.43	3.2
7/11/2005	21:00:00	22.05	6.05	0.1249	82.5	7.40	3.2
7/11/2005	22:00:00	22.15	6.03	0.1244	82.8	7.42	3.2
7/11/2005	23:00:00	22.05	6.01	0.1246	82.9	7.44	3.2
7/12/2005	0:00:00	22.19	6.08	0.1255	83.2	7.46	3.2
7/12/2005	1:00:00	22.31	6.03	0.1252	83.2	7.44	3.2
7/12/2005	2:00:00	22.24	6.06	0.1248	82.6	7.40	3.2
7/12/2005	3:00:00	22.19	6.02	0.125	82.5	7.40	3.2
7/12/2005	4:00:00	22.2	6.02	0.1252	82.4	7.40	3.2
7/12/2005	5:00:00	22.2	6.02	0.125	82.6	7.42	3.2

Bond Falls Hydroelectric Project - Victoria Tailrace

08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/12/2005	6:00:00	22.29	6.06	0.1255	81.4	7.31	3.2
7/12/2005	7:00:00	22.41	6.06	0.1251	81.8	7.33	3.8
7/12/2005	8:00:00	22.52	6.09	0.1256	82.6	7.39	4.2
7/12/2005	9:00:00	22.62	6.06	0.1254	81.4	7.27	4.2
7/12/2005	10:00:00	22.62	6.07	0.1254	84.8	7.56	4.2
7/12/2005	11:00:00	22.76	6.07	0.126	79.6	7.11	4.2
7/12/2005	12:00:00	22.81	6.09	0.126	82.2	7.32	4.2
7/12/2005	13:00:00	22.77	5.95	0.1263	81.7	7.29	4.2
7/12/2005	14:00:00	22.79	6.08	0.1263	83.1	7.42	4.2
7/12/2005	15:00:00	22.85	6.14	0.1266	83.4	7.43	4.2
7/12/2005	16:00:00	22.82	6.08	0.1268	83.4	7.44	4.2
7/12/2005	17:00:00	22.85	6.12	0.1273	82.8	7.40	4.2
7/12/2005	18:00:00	22.87	6.11	0.1271	82.3	7.35	4.2
7/12/2005	19:00:00	22.86	6.13	0.127	82	7.32	4.2
7/12/2005	20:00:00	22.85	6.1	0.1281	81.7	7.31	4.2
7/12/2005	21:00:00	22.92	6.14	0.128	81.5	7.28	4.2
7/12/2005	22:00:00	22.92	6.09	0.128	81.3	7.28	4.2
7/12/2005	23:00:00	22.88	6.07	0.1273	81.3	7.28	4.2
7/13/2005	0:00:00	22.87	6.1	0.1277	81.1	7.27	4.2
7/13/2005	1:00:00	22.85	6.09	0.1275	81.1	7.28	4.2
7/13/2005	2:00:00	22.95	6.04	0.1277	82.4	7.38	4.2
7/13/2005	3:00:00	22.78	5.99	0.128	81.8	7.35	3.8
7/13/2005	4:00:00	22.75	6.01	0.1279	81.3	7.32	3.1
7/13/2005	5:00:00	22.79	6.07	0.1284	81.5	7.33	3.1
7/13/2005	6:00:00	22.87	6.02	0.1286	81.5	7.32	3.1
7/13/2005	7:00:00	22.88	6.03	0.1287	82	7.37	3.1
7/13/2005	8:00:00	22.94	6.07	0.1284	82.6	7.41	3.1
7/13/2005	9:00:00	23.08	6.09	0.1289	81.9	7.34	3.1
7/13/2005	10:00:00	23.31	6.05	0.1289	83.2	7.43	3.3
7/13/2005	11:00:00	23.33	6.07	0.1291	81.2	7.26	4.0
7/13/2005	12:00:00	23.42	6.1	0.1293	80.8	7.22	4.0
7/13/2005	13:00:00	23.53	6.1	0.1292	83.4	7.43	4.0
7/13/2005	14:00:00	23.5	6.07	0.1293	83.3	7.42	4.0
7/13/2005	15:00:00	23.5	6.08	0.1296	83.5	7.45	4.0
7/13/2005	16:00:00	23.59	6.1	0.1297	81.4	7.26	4.0
7/13/2005	17:00:00	23.73	6.17	0.1301	82.1	7.30	4.0
7/13/2005	18:00:00	23.7	6.17	0.1296	82.4	7.34	4.7
7/13/2005	19:00:00	23.79	6.19	0.1309	81.8	7.28	4.9
7/13/2005	20:00:00	23.67	6.07	0.13	81.1	7.24	4.9
7/13/2005	21:00:00	23.64	6.11	0.1297	80.8	7.23	4.9
7/13/2005	22:00:00	23.71	6.08	0.13	81.8	7.30	4.9
7/13/2005	23:00:00	23.68	6.1	0.1299	81.4	7.27	4.7
7/14/2005	0:00:00	23.45	6.06	0.1297	81.7	7.34	4.4
7/14/2005	1:00:00	23.46	6.01	0.1305	81.7	7.33	3.6
7/14/2005	2:00:00	23.5	6.06	0.1307	81.4	7.31	3.4
7/14/2005	3:00:00	23.53	6	0.1302	81.2	7.29	3.4
7/14/2005	4:00:00	23.62	5.99	0.1305	81.9	7.34	3.4
7/14/2005	5:00:00	23.59	6.05	0.131	81.2	7.29	3.4
7/14/2005	6:00:00	23.66	6.02	0.1311	81.5	7.31	3.4
7/14/2005	7:00:00	23.64	6.08	0.131	82	7.36	3.4
7/14/2005	8:00:00	23.72	6.02	0.1307	83	7.44	3.4
7/14/2005	9:00:00	23.85	6.03	0.1311	83.2	7.44	3.4
7/14/2005	10:00:00	23.97	6.05	0.1312	81.5	7.28	3.4
7/14/2005	11:00:00	23.96	6.03	0.1313	89.5	7.95	3.4
7/14/2005	12:00:00	24.12	6.01	0.1312	81.2	7.25	3.4

Bond Falls Hydroelectric Project - Victoria Tailrace
06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/14/2005	13:00:00	24.16	6.11	0.1318	82.4	7.34	3.7
7/14/2005	14:00:00	24.15	6.11	0.1311	83.8	7.46	3.8
7/14/2005	15:00:00	24.27	6.11	0.1316	83.6	7.44	3.8
7/14/2005	16:00:00	24.22	6.06	0.1319	84.7	7.55	3.8
7/14/2005	17:00:00	24.16	6.05	0.1316	84.2	7.51	3.8
7/14/2005	18:00:00	24.16	6.04	0.1318	81.6	7.29	3.8
7/14/2005	19:00:00	24.11	6	0.1314	81.2	7.28	3.8
7/14/2005	20:00:00	24.11	5.99	0.1314	81.2	7.28	3.8
7/14/2005	21:00:00	24.18	6.06	0.1316	81.5	7.30	3.8
7/14/2005	22:00:00	24.19	6.06	0.1318	81.4	7.30	3.8
7/14/2005	23:00:00	24.02	6.02	0.1319	81.3	7.31	3.8
7/15/2005	0:00:00	24.04	6.01	0.1319	81.7	7.34	3.4
7/15/2005	1:00:00	24.11	5.99	0.1321	81.7	7.34	3.2
7/15/2005	2:00:00	24.12	6.02	0.1318	81.8	7.35	3.2
7/15/2005	3:00:00	24.22	6.05	0.1315	82.1	7.36	3.2
7/15/2005	4:00:00	24.24	6.04	0.132	82.3	7.38	3.2
7/15/2005	5:00:00	24.26	6.05	0.1316	82.4	7.39	3.2
7/15/2005	6:00:00	24.29	6.02	0.1316	82.9	7.43	3.2
7/15/2005	7:00:00	24.41	6.06	0.132	83.6	7.48	3.2
7/15/2005	8:00:00	24.46	6.11	0.132	83.9	7.50	3.2
7/15/2005	9:00:00	24.54	6.1	0.132	83.7	7.47	3.2
7/15/2005	10:00:00	24.56	6.09	0.1322	81.6	7.31	3.2
7/15/2005	11:00:00	24.63	6.04	0.1331	84.2	7.51	3.2
7/15/2005	12:00:00	24.88	6.19	0.1327	88	7.79	3.2
7/15/2005	13:00:00	24.81	6.18	0.1325	82.3	7.34	4.5
7/15/2005	14:00:00	24.95	6.18	0.1331	82.9	7.37	4.9
7/15/2005	15:00:00	24.93	6.1	0.1335	81.6	7.28	4.9
7/15/2005	16:00:00	24.85	6.13	0.1333	82	7.33	4.9
7/15/2005	17:00:00	24.77	6.13	0.1332	81.5	7.29	4.9
7/15/2005	18:00:00	24.87	6.16	0.1337	80.6	7.22	4.9
7/15/2005	19:00:00	24.74	6.09	0.1328	79.8	7.17	4.9
7/15/2005	20:00:00	24.83	6.17	0.1337	80.5	7.22	4.9
7/15/2005	21:00:00	24.8	6.09	0.1342	80	7.19	4.9
7/15/2005	22:00:00	24.59	6.02	0.1347	80.1	7.22	4.4
7/15/2005	23:00:00	24.63	6.02	0.1344	80.6	7.27	3.5
7/16/2005	0:00:00	24.58	6.02	0.1353	80	7.22	3.2
7/16/2005	1:00:00	24.67	6.02	0.1343	80.7	7.27	3.1
7/16/2005	2:00:00	24.56	5.99	0.1344	80.3	7.27	3.1
7/16/2005	3:00:00	24.73	6.02	0.1353	80	7.22	3.1
7/16/2005	4:00:00	24.63	5.96	0.135	79.5	7.19	3.1
7/16/2005	5:00:00	24.71	6	0.1352	80.3	7.25	3.1
7/16/2005	6:00:00	24.64	5.96	0.1348	80	7.24	3.1
7/16/2005	7:00:00	24.75	5.96	0.1351	81	7.30	3.1
7/16/2005	8:00:00	24.81	6.02	0.1357	81.1	7.32	3.1
7/16/2005	9:00:00	24.81	6.01	0.1354	81.3	7.33	3.1
7/16/2005	10:00:00	24.98	6.02	0.136	83.4	7.49	3.1
7/16/2005	11:00:00	25.01	5.9	0.136	80.7	7.27	3.1
7/16/2005	12:00:00	25.08	6.03	0.1358	82.6	7.41	3.1
7/16/2005	13:00:00	24.97	5.96	0.1366	81.3	7.33	3.1
7/16/2005	14:00:00	25.11	6.03	0.1366	81.9	7.37	3.1
7/16/2005	15:00:00	24.87	6.01	0.136	80.7	7.30	3.1
7/16/2005	16:00:00	25.17	6.04	0.1373	82.2	7.39	3.1
7/16/2005	17:00:00	25.08	5.96	0.1366	80.6	7.28	3.2
7/16/2005	18:00:00	25.27	6.07	0.1357	80.7	7.26	3.8
7/16/2005	19:00:00	25.09	6.07	0.1357	80.3	7.25	4.1

Bond Falls Hydroelectric Project - Victoria Tailrace
06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/16/2005	20:00:00	25.06	6.04	0.1366	79.3	7.18	4.1
7/16/2005	21:00:00	25.05	6.02	0.1372	78.4	7.11	4.1
7/16/2005	22:00:00	25.04	5.96	0.1366	78.8	7.15	4.1
7/16/2005	23:00:00	25.08	6.04	0.1365	79.6	7.22	4.1
7/17/2005	0:00:00	25.08	6	0.1371	80.5	7.29	4.1
7/17/2005	1:00:00	25.03	5.97	0.1371	79.8	7.25	3.4
7/17/2005	2:00:00	25.02	5.97	0.1375	79.3	7.21	3.2
7/17/2005	3:00:00	25.03	5.92	0.1373	79.6	7.24	3.2
7/17/2005	4:00:00	25.06	5.95	0.1371	79.8	7.25	3.2
7/17/2005	5:00:00	25.04	5.86	0.1376	79.5	7.23	3.2
7/17/2005	6:00:00	25.1	5.93	0.1376	79.6	7.24	3.2
7/17/2005	7:00:00	25.09	5.91	0.1371	80.1	7.29	3.2
7/17/2005	8:00:00	25.17	5.97	0.1372	80.9	7.34	3.2
7/17/2005	9:00:00	25.28	5.92	0.1372	80.8	7.32	3.2
7/17/2005	10:00:00	25.39	5.97	0.1372	81.5	7.37	3.2
7/17/2005	11:00:00	25.45	5.98	0.1372	83.4	7.51	3.2
7/17/2005	12:00:00	25.49	5.99	0.1374	85.5	7.68	3.2
7/17/2005	13:00:00	25.57	5.95	0.1377	82.8	7.46	3.2
7/17/2005	14:00:00	25.47	5.94	0.1378	81.8	7.40	3.2
7/17/2005	15:00:00	25.62	5.98	0.1378	82.2	7.42	3.2
7/17/2005	16:00:00	25.38	5.98	0.1373	81.5	7.39	3.2
7/17/2005	17:00:00	25.65	6.05	0.1377	82.2	7.42	3.2
7/17/2005	18:00:00	25.39	5.99	0.1377	80.8	7.34	3.2
7/17/2005	19:00:00	25.54	5.98	0.1388	80.4	7.30	3.2
7/17/2005	20:00:00	25.37	5.96	0.138	79.1	7.22	3.2
7/17/2005	21:00:00	25.36	5.92	0.1387	78.1	7.14	3.2
7/17/2005	22:00:00	25.47	5.96	0.1387	78.9	7.19	3.2
7/17/2005	23:00:00	25.45	5.96	0.1384	79.2	7.23	3.2
7/18/2005	0:00:00	25.51	5.96	0.1388	78.9	7.20	3.2
7/18/2005	1:00:00	25.55	5.95	0.1388	78.1	7.13	3.2
7/18/2005	2:00:00	25.54	5.9	0.1391	77.9	7.13	3.3
7/18/2005	3:00:00	25.61	5.94	0.1393	77.5	7.09	3.4
7/18/2005	4:00:00	25.99	6.02	0.138	79.7	7.22	3.5
7/18/2005	5:00:00	25.64	5.97	0.1382	78	7.13	3.8
7/18/2005	6:00:00	25.88	5.96	0.1394	78.9	7.17	3.8
7/18/2005	7:00:00	25.69	5.96	0.1384	78.5	7.17	3.8
7/18/2005	8:00:00	25.84	5.96	0.1391	78.8	7.18	3.8
7/18/2005	9:00:00	25.93	5.98	0.1392	79.9	7.26	3.8
7/18/2005	10:00:00	25.99	5.98	0.1387	80.7	7.32	3.8
7/18/2005	11:00:00	26.13	5.97	0.1391	81.6	7.38	3.8
7/18/2005	12:00:00	26.14	5.96	0.1391	80.8	7.32	3.8
7/18/2005	13:00:00	26.3	6.03	0.1386	82.4	7.43	3.8
7/18/2005	14:00:00	26.23	6.12	0.1388	81.1	7.34	3.8
7/18/2005	15:00:00	26.38	6.09	0.1383	83	7.47	4.1
7/18/2005	16:00:00	26.45	6.14	0.1385	83.6	7.52	4.6
7/18/2005	17:00:00	26.51	6.18	0.1388	83.5	7.50	4.4
7/18/2005	18:00:00	26.46	6.19	0.1382	83.5	7.52	4.4
7/18/2005	19:00:00	26.44	6.19	0.1388	82.9	7.47	4.4
7/18/2005	20:00:00	26.3	6.1	0.139	81.7	7.40	4.4
7/18/2005	21:00:00	26.21	6.14	0.1388	81	7.36	4.4
7/18/2005	22:00:00	26.21	6.06	0.1389	82.6	7.49	4.4
7/18/2005	23:00:00	26.03	6.02	0.1393	81.4	7.42	4.4
7/19/2005	0:00:00	26.07	6.06	0.1397	81.6	7.43	4.4
7/19/2005	1:00:00	26.1	6.05	0.1395	81.8	7.45	3.8
7/19/2005	2:00:00	26.04	6.07	0.1397	81.7	7.45	3.1

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/19/2005	3:00:00	26.06	6.06	0.1392	82.4	7.51	3.1
7/19/2005	4:00:00	26	6.02	0.1395	81.6	7.46	3.1
7/19/2005	5:00:00	26.02	6.06	0.1393	82.1	7.49	3.1
7/19/2005	6:00:00	26.07	6.06	0.1395	82.8	7.55	3.1
7/19/2005	7:00:00	26.05	6.09	0.1392	83.3	7.59	3.1
7/19/2005	8:00:00	26.05	6.02	0.139	83.7	7.64	3.1
7/19/2005	9:00:00	26.12	6.1	0.1394	83.6	7.62	3.1
7/19/2005	10:00:00	26.09	6.05	0.1396	84.4	7.69	3.1
7/19/2005	11:00:00	26.22	6.05	0.1402	84.2	7.66	3.1
7/19/2005	12:00:00	26.21	6.08	0.1404	85.7	7.78	3.1
7/19/2005	13:00:00	26.26	6.04	0.1405	84.2	7.66	3.1
7/19/2005	14:00:00	26.19	6.01	0.1408	82.5	7.54	3.1
7/19/2005	15:00:00	26.14	6.06	0.141	82	7.51	3.1
7/19/2005	16:00:00	26.04	5.98	0.1417	81.4	7.48	3.1
7/19/2005	17:00:00	26.02	6	0.1419	80.2	7.39	3.1
7/19/2005	18:00:00	25.93	5.97	0.1419	79.9	7.38	3.1
7/19/2005	19:00:00	25.8	5.99	0.1412	79.6	7.37	3.1
7/19/2005	20:00:00	25.78	5.97	0.1415	78.8	7.32	3.1
7/19/2005	21:00:00	25.75	6.01	0.1417	79.1	7.34	3.1
7/19/2005	22:00:00	25.69	6.01	0.1423	78.9	7.35	3.1
7/19/2005	23:00:00	25.75	5.95	0.142	79.3	7.37	3.1
7/20/2005	0:00:00	25.72	5.99	0.1419	78.9	7.34	3.1
7/20/2005	1:00:00	25.71	5.94	0.1422	79	7.36	3.1
7/20/2005	2:00:00	25.74	5.98	0.1426	78.7	7.33	3.1
7/20/2005	3:00:00	25.73	6	0.1426	79	7.36	3.1
7/20/2005	4:00:00	25.69	5.94	0.1423	78.8	7.36	3.1
7/20/2005	5:00:00	25.75	5.92	0.1428	78.9	7.36	3.1
7/20/2005	6:00:00	25.75	5.99	0.1426	79.2	7.38	3.1
7/20/2005	7:00:00	25.75	5.93	0.1425	80	7.46	3.1
7/20/2005	8:00:00	25.78	5.93	0.1429	80.4	7.49	3.1
7/20/2005	9:00:00	25.83	6.01	0.143	80.9	7.52	3.1
7/20/2005	10:00:00	25.88	5.97	0.143	81.7	7.59	3.1
7/20/2005	11:00:00	25.93	6.05	0.1434	82.5	7.65	3.1
7/20/2005	12:00:00	25.95	6.01	0.1431	82.5	7.65	3.1
7/20/2005	13:00:00	26.05	6.1	0.1428	83.6	7.72	3.1
7/20/2005	14:00:00	26.17	6.11	0.1423	84.9	7.81	3.1
7/20/2005	15:00:00	26.05	6.11	0.1435	83.8	7.75	3.1
7/20/2005	16:00:00	25.87	6.04	0.1438	82.5	7.67	3.1
7/20/2005	17:00:00	25.81	6.02	0.1436	81.4	7.59	3.1
7/20/2005	18:00:00	25.66	5.99	0.1439	79.7	7.48	3.1
7/20/2005	19:00:00	25.67	6	0.1448	78	7.35	3.1
7/20/2005	20:00:00	25.65	5.99	0.144	79	7.43	3.1
7/20/2005	21:00:00	25.67	5.98	0.1439	78.3	7.38	3.1
7/20/2005	22:00:00	25.64	6	0.1437	78.3	7.39	3.1
7/20/2005	23:00:00	25.56	5.95	0.1437	78.1	7.38	3.1
7/21/2005	0:00:00	25.55	5.99	0.1439	77.8	7.37	3.1
7/21/2005	1:00:00	25.58	5.93	0.1444	78.1	7.38	3.1
7/21/2005	2:00:00	25.57	5.92	0.1438	78.2	7.40	3.1
7/21/2005	3:00:00	25.57	6.01	0.1441	78.5	7.43	3.1
7/21/2005	4:00:00	25.59	6	0.1442	78.8	7.45	3.2
7/21/2005	5:00:00	25.56	6.03	0.1443	78.6	7.44	3.2
7/21/2005	6:00:00	25.58	5.99	0.1445	79	7.48	3.1
7/21/2005	7:00:00	25.59	6.02	0.144	79.7	7.53	3.0
7/21/2005	8:00:00	25.66	6.03	0.1443	80.8	7.62	3.0
7/21/2005	9:00:00	25.71	6.04	0.1446	80.4	7.58	3.0

Bond Falls Hydroelectric Project - Victoria Tailrace
08-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/21/2005	11:00:00	25.81	8.7	0.1414	82.3	6.50	3.0
7/21/2005	12:00:00	25.86	8.75	0.141	80.8	6.38	3.0
7/21/2005	13:00:00	25.86	8.73	0.141	82.3	6.50	3.0
7/21/2005	14:00:00	25.9	8.81	0.1411	82.6	6.51	3.0
7/21/2005	15:00:00	25.79	8.67	0.1411	84.6	6.69	3.0
7/21/2005	16:00:00	25.75	8.79	0.1413	81.6	6.46	3.0
7/21/2005	17:00:00	25.67	8.75	0.1418	81.8	6.48	3.0
7/21/2005	18:00:00	25.61	8.77	0.1416	80.9	6.42	3.0
7/21/2005	19:00:00	25.61	8.73	0.1414	81.3	6.45	3.0
7/21/2005	20:00:00	25.62	8.79	0.1414	82.2	6.53	3.0
7/21/2005	21:00:00	25.62	8.79	0.1417	82.5	6.55	3.0
7/21/2005	22:00:00	25.6	8.83	0.1414	82.3	6.54	3.0
7/21/2005	23:00:00	25.64	8.79	0.1413	82.9	6.58	3.0
7/22/2005	0:00:00	25.62	8.76	0.1412	82.7	6.56	3.0
7/22/2005	1:00:00	25.62	8.81	0.1409	82.8	6.58	3.0
7/22/2005	2:00:00	25.81	8.81	0.1408	82.6	6.57	3.0
7/22/2005	3:00:00	25.58	8.81	0.1409	82.6	6.57	3.0
7/22/2005	4:00:00	25.81	8.82	0.1412	82.7	6.58	3.0
7/22/2005	5:00:00	25.63	8.82	0.1415	83.3	6.62	3.0
7/22/2005	6:00:00	25.61	8.82	0.1409	83.6	6.65	3.0
7/22/2005	7:00:00	25.67	8.88	0.1406	84.3	6.69	3.0
7/22/2005	8:00:00	25.71	8.9	0.1406	85.6	6.79	3.0
7/22/2005	9:00:00	25.73	8.91	0.1404	86.8	6.89	3.0
7/22/2005	10:00:00	25.84	8.85	0.1406	80.8	6.41	3.0
7/22/2005	11:00:00	25.84	8.9	0.1407	81.5	6.46	3.0
7/22/2005	12:00:00	25.85	8.89	0.1411	84.2	6.68	3.0
7/22/2005	13:00:00	25.83	8.77	0.1417	93.9	7.44	3.0
7/22/2005	14:00:00	25.84	8.88	0.1419	80.8	6.41	3.0
7/22/2005	15:00:00	25.86	8.92	0.142	87.4	6.93	3.0
7/22/2005	16:00:00	25.81	8.91	0.1416	86.3	6.84	3.0
7/22/2005	17:00:00	25.75	8.89	0.1418	86.2	6.85	3.0
7/22/2005	18:00:00	25.61	8.84	0.142	84.2	6.70	3.0
7/22/2005	19:00:00	25.56	8.88	0.1422	83.3	6.64	3.0
7/22/2005	20:00:00	25.56	8.86	0.1422	83.3	6.65	3.0
7/22/2005	21:00:00	25.52	8.83	0.1425	82.2	6.57	3.0
7/22/2005	22:00:00	25.5	8.84	0.1424	82.1	6.56	3.0
7/22/2005	23:00:00	25.5	8.84	0.142	82.7	6.61	3.0
7/23/2005	0:00:00	25.53	8.87	0.1419	83.2	6.64	3.0
7/23/2005	1:00:00	25.54	8.86	0.142	83.6	6.68	3.0
7/23/2005	2:00:00	25.51	8.9	0.1424	83.7	6.69	3.0
7/23/2005	3:00:00	25.5	8.91	0.1424	84.1	6.72	3.0
7/23/2005	4:00:00	25.49	8.85	0.1425	83.7	6.69	3.0
7/23/2005	5:00:00	25.48	8.93	0.1422	83.8	6.70	3.0
7/23/2005	6:00:00	25.47	8.87	0.1419	84.2	6.74	3.0
7/23/2005	7:00:00	25.48	8.87	0.1421	84.8	6.79	3.0
7/23/2005	8:00:00	25.56	8.95	0.1423	85.3	6.82	3.0
7/23/2005	9:00:00	25.63	8.92	0.1426	86.4	6.89	3.0
7/23/2005	10:00:00	25.57	8.93	0.143	85.5	6.83	3.0
7/23/2005	11:00:00	25.57	8.96	0.1431	86	6.87	3.0
7/23/2005	12:00:00	25.58	8.89	0.143	86	6.87	3.0
7/23/2005	13:00:00	25.57	8.97	0.1435	85.9	6.86	3.0
7/23/2005	14:00:00	25.64	8.94	0.1431	86.5	6.90	3.0
7/23/2005	15:00:00	25.6	8.9	0.1431	86.4	6.91	3.0
7/23/2005	16:00:00	25.54	8.98	0.1432	85.8	6.87	3.0
7/23/2005	17:00:00	25.51	8.94	0.1437	84.8	6.79	3.0

Bond Falls Hydroelectric Project - Victoria Tailrace
06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/23/2005	18:00:00	25.52	8.96	0.1433	85	6.81	3.0
7/23/2005	19:00:00	25.48	8.94	0.1432	84	6.73	3.0
7/23/2005	20:00:00	25.4	8.95	0.1432	83.3	6.68	3.0
7/23/2005	21:00:00	25.47	8.91	0.1431	83.8	6.72	3.0
7/23/2005	22:00:00	25.44	8.96	0.1435	83.6	6.70	3.0
7/23/2005	23:00:00	25.42	8.96	0.1437	83.9	6.73	3.0
7/24/2005	0:00:00	25.4	8.97	0.1437	83.5	6.70	3.0
7/24/2005	1:00:00	25.36	8.94	0.1437	83.2	6.69	3.0
7/24/2005	2:00:00	25.35	8.95	0.1434	83.4	6.71	3.0
7/24/2005	3:00:00	25.41	8.92	0.1427	83.7	6.73	3.0
7/24/2005	4:00:00	25.3	8.89	0.1431	83	6.68	3.0
7/24/2005	5:00:00	25.33	8.98	0.1435	83.2	6.70	3.0
7/24/2005	6:00:00	25.36	8.92	0.1436	83.3	6.70	3.0
7/24/2005	7:00:00	25.3	8.84	0.1438	82.9	6.68	3.0
7/24/2005	8:00:00	25.38	8.96	0.1438	83.8	6.74	3.0
7/24/2005	9:00:00	25.31	9	0.1436	83.5	6.72	3.0
7/24/2005	10:00:00	25.35	9	0.1438	84.8	6.83	3.0
7/24/2005	11:00:00	25.55	9.04	0.1441	85.9	6.90	3.0
7/24/2005	12:00:00	25.5	9	0.1442	85.9	6.90	3.0
7/24/2005	13:00:00	25.52	8.99	0.145	92.6	7.43	3.0
7/24/2005	14:00:00	25.49	8.97	0.1455	81.5	6.56	3.0
7/24/2005	15:00:00	25.38	8.94	0.1457	79.9	6.44	3.0
7/24/2005	16:00:00	25.17	8.95	0.1455	82.5	6.67	3.0
7/24/2005	17:00:00	25.06	8.95	0.1459	81.9	6.64	3.0
7/24/2005	18:00:00	25.05	8.96	0.146	82.1	6.66	3.0
7/24/2005	19:00:00	25.19	8.98	0.1458	81.9	6.62	3.0
7/24/2005	20:00:00	25.05	8.95	0.1451	81.4	6.60	3.0
7/24/2005	21:00:00	24.89	8.94	0.1453	80.2	6.53	3.0
7/24/2005	22:00:00	24.96	8.91	0.1457	81.1	6.60	3.0
7/24/2005	23:00:00	25.02	8.87	0.1456	81.3	6.61	3.0
7/25/2005	0:00:00	25	8.96	0.145	81	6.58	3.0
7/25/2005	1:00:00	24.96	9.01	0.1455	82	6.67	3.0
7/25/2005	2:00:00	24.99	9.02	0.1452	82.6	6.71	3.0
7/25/2005	3:00:00	25.11	8.96	0.1447	83.5	6.77	3.0
7/25/2005	4:00:00	25.08	9.02	0.1453	83.8	6.79	3.0
7/25/2005	5:00:00	24.99	9.03	0.1449	83.4	6.79	3.0
7/25/2005	6:00:00	24.93	9.05	0.1448	83.2	6.78	3.0
7/25/2005	7:00:00	25.01	9.05	0.1447	84.1	6.84	3.0
7/25/2005	8:00:00	25.05	9.04	0.1447	85.4	6.93	3.0
7/25/2005	9:00:00	25.05	9.08	0.1448	85.5	6.95	3.0
7/25/2005	10:00:00	25.08	9.08	0.1449	85.7	6.96	3.0
7/25/2005	11:00:00	25.13	9.11	0.1457	86.2	6.99	3.0
7/25/2005	12:00:00	25.14	9.07	0.1456	85.6	6.94	3.0
7/25/2005	13:00:00	25.23	9.1	0.1453	84.4	6.84	3.0
7/25/2005	14:00:00	25.13	9.1	0.1454	84.5	6.85	3.0
7/25/2005	15:00:00	25.09	9.04	0.1457	85.4	6.94	3.0
7/25/2005	16:00:00	25.09	8.99	0.1457	85.2	6.93	3.0
7/25/2005	17:00:00	24.95	9.07	0.1463	83.9	6.84	3.0
7/25/2005	18:00:00	24.94	8.98	0.1464	83.9	6.84	3.0
7/25/2005	19:00:00	24.93	9.02	0.1463	82.9	6.76	3.0
7/25/2005	20:00:00	24.93	9.07	0.1462	82.6	6.74	3.0
7/25/2005	21:00:00	24.9	9.05	0.1459	82.5	6.74	3.0
7/25/2005	22:00:00	24.82	8.99	0.1459	82.2	6.72	3.0
7/25/2005	23:00:00	24.82	9.04	0.1463	83	6.78	3.0
7/26/2005	0:00:00	24.89	8.99	0.1461	82.5	6.73	3.0

Bond Falls Hydroelectric Project - Victoria Tailrace
06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/26/2005	1:00:00	24.78	9.04	0.1461	82	6.72	3.0
7/26/2005	2:00:00	24.69	9.07	0.1466	81.4	6.68	3.0
7/26/2005	3:00:00	24.62	9	0.1465	81.3	6.68	3.0
7/26/2005	4:00:00	24.63	9.04	0.1466	81.7	6.71	3.0
7/26/2005	5:00:00	24.69	9.04	0.147	82.6	6.77	3.0
7/26/2005	6:00:00	24.91	9.11	0.1459	83.4	6.81	3.0
7/26/2005	7:00:00	24.9	9.07	0.1447	83.9	6.86	3.0
7/26/2005	8:00:00	24.89	9.18	0.1444	86.1	7.04	3.0
7/26/2005	9:00:00	24.88	9.12	0.1448	86.5	7.07	3.0
7/26/2005	10:00:00	24.95	9.18	0.1449	86.8	7.09	3.0
7/26/2005	11:00:00	24.87	9.1	0.1452	86.9	7.11	3.0
7/26/2005	12:00:00	24.85	9.18	0.1457	86.7	7.10	3.0
7/26/2005	13:00:00	24.84	9.18	0.1459	86.6	7.09	3.0
7/26/2005	14:00:00	24.8	9.05	0.1458	87.1	7.14	3.0
7/26/2005	15:00:00	24.94	9.2	0.1456	88.4	7.23	3.0
7/26/2005	16:00:00	25.04	9.18	0.1459	87.8	7.16	3.0
7/26/2005	17:00:00	24.98	9.23	0.1459	87.6	7.15	3.0
7/26/2005	18:00:00	24.77	9.13	0.1455	86.1	7.06	3.0
7/26/2005	19:00:00	24.76	9.21	0.1463	85.6	7.02	3.0
7/26/2005	20:00:00	24.76	9.14	0.1455	85.2	7.00	3.0
7/26/2005	21:00:00	24.71	9.16	0.1455	84.4	6.94	3.0
7/26/2005	22:00:00	24.7	9.13	0.1459	84.7	6.97	3.0
7/26/2005	23:00:00	24.73	9.14	0.1456	85.1	6.99	3.0
7/27/2005	0:00:00	24.72	9.14	0.1453	85	6.99	3.0
7/27/2005	1:00:00	24.68	9.1	0.1451	84.4	6.95	3.0
7/27/2005	2:00:00	24.62	9.12	0.1455	84.4	6.95	3.0
7/27/2005	3:00:00	24.63	9.13	0.1449	84.9	6.99	3.0
7/27/2005	4:00:00	24.62	9.13	0.1448	85	7.00	3.0
7/27/2005	5:00:00	24.57	8.98	0.1447	85	7.02	3.0
7/27/2005	6:00:00	24.52	9.09	0.1448	85.6	7.07	3.0
7/27/2005	7:00:00	24.53	9.19	0.1443	86.4	7.13	3.0
7/27/2005	8:00:00	24.59	9.16	0.1444	87.3	7.20	3.0
7/27/2005	9:00:00	24.64	9.25	0.1445	85.7	7.07	3.0
7/27/2005	10:00:00	24.71	9.2	0.1447	87	7.16	3.0
7/27/2005	11:00:00	24.76	9.19	0.1449	103.6	8.49	3.0
7/27/2005	12:00:00	24.78	9.19	0.1447	108.7	8.90	3.0
7/27/2005	13:00:00	24.93	9.17	0.1448	99.9	8.16	3.0
7/27/2005	14:00:00	24.86	9.16	0.1452	95.6	7.83	3.0
7/27/2005	15:00:00	24.67	9.2	0.1462	87.7	7.23	3.0
7/27/2005	16:00:00	24.68	9.13	0.146	87.4	7.21	3.0
7/27/2005	17:00:00	24.61	9.18	0.1453	86	7.10	3.0
7/27/2005	18:00:00	24.5	9.06	0.1451	85.1	7.04	3.0
7/27/2005	19:00:00	24.49	9.11	0.1448	84.2	6.97	3.0
7/27/2005	20:00:00	24.26	9.17	0.1451	83.2	6.92	3.0
7/27/2005	21:00:00	24.27	9.14	0.1459	83.9	6.97	3.0
7/27/2005	22:00:00	24.29	9.16	0.1457	84.2	7.00	3.0
7/27/2005	23:00:00	24.23	9.12	0.1448	82.9	6.90	3.0
7/28/2005	0:00:00	24.19	9.07	0.1452	83.8	6.98	3.0
7/28/2005	1:00:00	24.13	9	0.1452	83.8	7.00	3.0
7/28/2005	2:00:00	24.22	9.15	0.1459	85.1	7.09	3.0
7/28/2005	3:00:00	24.17	9.22	0.1453	84.2	7.02	3.0
7/28/2005	4:00:00	24.09	9.06	0.1447	84.5	7.06	3.0
7/28/2005	5:00:00	24.12	9.04	0.1451	85.2	7.11	3.0
7/28/2005	6:00:00	24.08	9.05	0.1447	86.1	7.19	3.0
7/28/2005	7:00:00	24.13	9.16	0.1452	86.5	7.21	3.0

Bond Falls Hydroelectric Project - Victoria Tailrace
06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/28/2005	8:00:00	24.11	9.01	0.1448	87.3	7.29	3.0
7/28/2005	9:00:00	24.1	9.27	0.145	88.4	7.38	3.0
7/28/2005	10:00:00	24.14	9.21	0.1449	87.8	7.33	3.0
7/28/2005	11:00:00	24.11	8.88	0.1451	88.2	7.37	3.0
7/28/2005	12:00:00	24.23	9.14	0.1449	89.2	7.43	3.0
7/28/2005	13:00:00	24.27	9.31	0.1447	89.3	7.43	3.0
7/28/2005	14:00:00	24.04	9.2	0.145	88.5	7.40	3.0
7/28/2005	15:00:00	24	9.23	0.1447	88.6	7.41	3.0
7/28/2005	16:00:00	24.1	9.24	0.1451	89.7	7.49	3.0
7/28/2005	17:00:00	24.04	9.22	0.1449	88.9	7.44	3.0
7/28/2005	18:00:00	23.99	9.22	0.1452	88.8	7.43	3.0
7/28/2005	19:00:00	23.79	9.11	0.1454	87.3	7.34	3.0
7/28/2005	20:00:00	23.78	9.12	0.1458	87.1	7.33	3.0
7/28/2005	21:00:00	23.81	9.23	0.1456	87.1	7.33	3.0
7/28/2005	22:00:00	23.68	9.09	0.1456	86.8	7.32	3.0
7/28/2005	23:00:00	23.66	9.15	0.1461	87	7.34	3.0
7/29/2005	0:00:00	23.82	9.16	0.1457	87	7.34	3.0
7/29/2005	1:00:00	23.59	9.23	0.146	87	7.35	3.0
7/29/2005	2:00:00	23.56	9.1	0.1463	86.8	7.33	3.0
7/29/2005	3:00:00	23.49	9.28	0.146	86.5	7.32	3.0
7/29/2005	4:00:00	23.46	9.37	0.1459	87	7.36	3.0
7/29/2005	5:00:00	23.44	9.27	0.1455	86.9	7.37	3.0
7/29/2005	6:00:00	23.44	9.3	0.146	87.1	7.39	3.0
7/29/2005	7:00:00	23.41	9.27	0.1458	87.4	7.42	3.0
7/29/2005	8:00:00	23.42	9.31	0.1456	88	7.46	3.2
7/29/2005	9:00:00	23.44	9.07	0.1454	87.8	7.45	3.3
7/29/2005	10:00:00	23.48	9.31	0.1461	87	7.37	3.3
7/29/2005	11:00:00	23.5	9.21	0.1469	87.8	7.44	3.3
7/29/2005	12:00:00	23.53	9.16	0.1468	89	7.53	3.3
7/29/2005	13:00:00	23.48	9.19	0.147	78.2	6.65	3.3
7/29/2005	14:00:00	23.43	9.2	0.1472	90.1	7.64	3.3
7/29/2005	15:00:00	23.36	9.18	0.1474	85.9	7.31	3.3
7/29/2005	16:00:00	23.23	9.34	0.1478	88.3	7.52	3.5
7/29/2005	17:00:00	23.13	9.2	0.1479	87	7.43	3.6
7/29/2005	18:00:00	23.06	9.16	0.1475	86.5	7.40	3.6
7/29/2005	19:00:00	22.99	9.22	0.1473	86.4	7.40	3.6
7/29/2005	20:00:00	22.98	9.26	0.1472	85.6	7.34	3.9
7/29/2005	21:00:00	22.95	9.11	0.1469	85.3	7.31	4.2
7/29/2005	22:00:00	22.9	9.21	0.1466	85.8	7.36	4.2
7/29/2005	23:00:00	22.86	9.19	0.1461	85.2	7.32	4.2
7/30/2005	0:00:00	22.84	9.15	0.1458	85.4	7.35	4.2
7/30/2005	1:00:00	22.82	9.39	0.146	85.2	7.34	4.4
7/30/2005	2:00:00	22.76	9.08	0.146	85.6	7.37	5.0
7/30/2005	3:00:00	22.79	9.06	0.146	85.9	7.39	5.0
7/30/2005	4:00:00	22.79	9.16	0.1461	85.9	7.39	5.0
7/30/2005	5:00:00	22.76	9.26	0.1457	86.1	7.42	5.0
7/30/2005	6:00:00	22.75	9.33	0.1458	86.1	7.42	5.0
7/30/2005	7:00:00	22.7	9.18	0.1457	86.2	7.43	5.1
7/30/2005	8:00:00	22.7	9.22	0.1457	86.2	7.43	5.4
7/30/2005	9:00:00	22.76	9.04	0.1459	86.1	7.59	5.4
7/30/2005	10:00:00	22.78	8.94	0.1456	86.4	7.61	5.7
7/30/2005	11:00:00	22.77	9.05	0.1456	86.3	7.61	6.1
7/30/2005	12:00:00	22.76	8.98	0.1452	86.5	7.63	6.2
7/30/2005	13:00:00	22.75	9.03	0.1449	89.5	7.71	6.2
7/30/2005	14:00:00	22.75	9.08	0.1449	89.4	7.71	6.2

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
7/30/2005	15:00:00	22.77	9.25	0.1453	89.8	7.73	6.2
7/30/2005	16:00:00	22.89	9.03	0.1457	89.7	7.71	6.2
7/30/2005	17:00:00	22.7	9.01	0.1444	89.3	7.70	6.2
7/30/2005	18:00:00	22.78	9.04	0.1443	89.5	7.70	6.2
7/30/2005	19:00:00	22.87	9.06	0.1444	91.1	7.84	6.2
7/30/2005	20:00:00	22.79	9.13	0.1399	90.6	7.81	6.2
7/30/2005	21:00:00	22.69	9.1	0.1408	90.3	7.80	6.2
7/30/2005	22:00:00	22.67	9.13	0.1419	89.7	7.75	6.2
7/30/2005	23:00:00	22.66	9.04	0.1415	89.4	7.73	6.2
7/31/2005	0:00:00	22.42	9.11	0.1399	87.6	7.61	6.2
7/31/2005	1:00:00	22.43	9.38	0.1397	88.1	7.65	6.2
7/31/2005	2:00:00	22.47	9.2	0.1399	88.5	7.67	5.6
7/31/2005	3:00:00	22.5	9.31	0.1398	88.7	7.69	5.4
7/31/2005	4:00:00	22.42	9.2	0.1405	88.4	7.67	5.4
7/31/2005	5:00:00	22.35	9.2	0.1392	87.6	7.63	5.4
7/31/2005	6:00:00	22.4	9.11	0.1392	87.6	7.63	5.4
7/31/2005	7:00:00	22.35	9.37	0.1388	88.1	7.67	5.2
7/31/2005	8:00:00	22.24	9.06	0.1384	88.5	7.72	5.0
7/31/2005	9:00:00	22.24	9.26	0.1383	89.4	7.80	4.7
7/31/2005	10:00:00	22.29	9.32	0.1385	87	7.58	4.1
7/31/2005	11:00:00	22.12	9.31	0.1377	88.3	7.72	3.8
7/31/2005	12:00:00	22.39	9.31	0.1383	90.8	7.89	3.8
7/31/2005	13:00:00	22.45	9.42	0.1379	91	7.90	3.8
7/31/2005	14:00:00	22.62	9.51	0.1397	91.9	7.95	3.5
7/31/2005	15:00:00	22.34	9.43	0.1388	91.2	7.94	3.1
7/31/2005	16:00:00	22.07	9.43	0.138	90.4	7.91	3.1
7/31/2005	17:00:00	22.12	9.14	0.1398	90.4	7.91	3.1
7/31/2005	18:00:00	21.89	9.22	0.1389	88.5	7.78	3.1
7/31/2005	19:00:00	21.92	9.33	0.1381	89.1	7.82	3.1
7/31/2005	20:00:00	22.02	9.28	0.1388	88.8	7.79	3.1
7/31/2005	21:00:00	22.05	9.29	0.1398	88.8	7.78	3.1
7/31/2005	22:00:00	22	9.33	0.1402	87.9	7.71	3.1
7/31/2005	23:00:00	21.81	9.17	0.1388	87.8	7.73	3.1
8/1/2005	0:00:00	21.78	9.18	0.1385	87.8	7.74	3.1
8/1/2005	1:00:00	21.8	9.19	0.1389	87.7	7.74	3.1
8/1/2005	2:00:00	21.93	9.27	0.1392	87.5	7.70	3.1
8/1/2005	3:00:00	21.76	9.21	0.1385	87.7	7.74	3.1
8/1/2005	4:00:00	21.75	9.25	0.1377	88	7.77	3.1
8/1/2005	5:00:00	21.8	9.37	0.1382	88	7.76	3.1
8/1/2005	6:00:00	21.88	9.28	0.1391	87.9	7.74	3.1
8/1/2005	7:00:00	21.87	9.21	0.1385	88.4	7.78	3.1
8/1/2005	8:00:00	21.99	9.29	0.1384	89.2	7.84	3.1
8/1/2005	9:00:00	22.02	9.25	0.138	89.5	7.86	3.1
8/1/2005	10:00:00	22.08	9.3	0.1379	89.5	7.86	3.1
8/1/2005	11:00:00	22.18	9.29	0.1385	89.3	7.83	3.1
8/1/2005	12:00:00	22.29	9.13	0.1386	88.5	7.74	3.1
8/1/2005	13:00:00	22.1	9.03	0.1387	88.2	7.74	3.1
8/1/2005	14:00:00	22.4	9.16	0.1396	92.4	8.05	3.9
8/1/2005	15:00:00	22.29	9.16	0.1388	88.5	7.74	4.2
8/1/2005	16:00:00	22.33	9.21	0.1387	89.1	7.79	4.2
8/1/2005	17:00:00	22.25	9.14	0.1382	89.6	7.84	4.2
8/1/2005	18:00:00	22.17	9.09	0.1388	88.6	7.77	4.2
8/1/2005	19:00:00	22.23	9.14	0.1392	88.1	7.73	4.2
8/1/2005	20:00:00	22.19	8.98	0.139	87.5	7.68	4.2
8/1/2005	21:00:00	22.21	8.82	0.1396	87.3	7.66	4.2

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/1/2005	22:00:00	22.27	9	0.1395	88	7.71	4.2
8/1/2005	23:00:00	22.24	9.21	0.1389	88.3	7.74	4.2
8/2/2005	0:00:00	22.23	9.2	0.1387	87.9	7.71	4.2
8/2/2005	1:00:00	22.22	8.92	0.1388	88	7.72	4.2
8/2/2005	2:00:00	22.24	8.93	0.1384	88.2	7.74	4.2
8/2/2005	3:00:00	22.21	8.91	0.1387	87.6	7.69	4.2
8/2/2005	4:00:00	22.22	8.95	0.1385	87.5	7.68	4.2
8/2/2005	5:00:00	22.23	8.82	0.1388	87.5	7.69	4.2
8/2/2005	6:00:00	22.25	9.21	0.139	88	7.73	4.2
8/2/2005	7:00:00	22.3	9.06	0.1388	88.2	7.73	4.2
8/2/2005	8:00:00	22.36	9.13	0.1393	88.2	7.73	4.2
8/2/2005	9:00:00	22.41	9.09	0.1388	88.9	7.78	4.2
8/2/2005	10:00:00	22.44	9.25	0.1386	89	7.79	4.2
8/2/2005	11:00:00	22.51	9.09	0.139	88.9	7.76	4.2
8/2/2005	12:00:00	22.59	8.96	0.1395	87.5	7.64	4.2
8/2/2005	13:00:00	22.58	9.01	0.1388	88.4	7.71	4.2
8/2/2005	14:00:00	22.59	9.1	0.1389	89	7.78	4.2
8/2/2005	15:00:00	22.57	9.03	0.1389	89.6	7.83	4.2
8/2/2005	16:00:00	22.68	9.09	0.1389	89.7	7.82	4.2
8/2/2005	17:00:00	22.55	9.11	0.1388	89.3	7.81	4.2
8/2/2005	18:00:00	22.46	9.1	0.1382	88.7	7.77	4.2
8/2/2005	19:00:00	22.4	9.02	0.1381	88.1	7.72	4.2
8/2/2005	20:00:00	22.47	8.96	0.1387	87.9	7.69	4.2
8/2/2005	21:00:00	22.47	9.14	0.1383	88	7.70	4.2
8/2/2005	22:00:00	22.52	9.07	0.1386	87.9	7.69	4.2
8/2/2005	23:00:00	22.54	9.16	0.1386	87.9	7.68	4.2
8/3/2005	0:00:00	22.47	8.85	0.1381	87.8	7.70	4.2
8/3/2005	1:00:00	22.54	9.13	0.1383	87.9	7.70	4.2
8/3/2005	2:00:00	22.59	8.91	0.1384	87.9	7.69	4.2
8/3/2005	3:00:00	22.56	9.03	0.1381	87.9	7.69	4.2
8/3/2005	4:00:00	22.58	9.2	0.1382	87.9	7.70	4.2
8/3/2005	5:00:00	22.54	9.07	0.138	87.9	7.70	4.2
8/3/2005	6:00:00	22.57	9.11	0.1379	87.9	7.69	4.2
8/3/2005	7:00:00	22.61	9.04	0.1382	88.1	7.70	4.2
8/3/2005	8:00:00	22.7	9.07	0.1388	88.7	7.74	4.2
8/3/2005	9:00:00	22.77	9.11	0.1388	89.3	7.78	4.2
8/3/2005	10:00:00	22.84	9.21	0.1384	90.1	7.85	4.2
8/3/2005	11:00:00	22.93	9	0.1391	89.4	7.78	4.2
8/3/2005	12:00:00	22.82	8.88	0.1389	88.6	7.72	4.2
8/3/2005	13:00:00	22.79	8.97	0.1386	88.4	7.72	4.2
8/3/2005	14:00:00	22.87	9.11	0.1388	89.3	7.78	4.2
8/3/2005	15:00:00	22.78	9.05	0.1386	88.1	7.69	4.2
8/3/2005	16:00:00	22.81	9.18	0.1383	88.2	7.69	4.2
8/3/2005	17:00:00	22.94	9.18	0.1391	88.9	7.74	4.2
8/3/2005	18:00:00	22.81	9.1	0.1389	87.7	7.65	4.2
8/3/2005	19:00:00	22.97	9.04	0.139	87.9	7.85	4.2
8/3/2005	20:00:00	22.88	9.17	0.1372	87.2	7.81	4.2
8/3/2005	21:00:00	22.86	8.98	0.1389	87.5	7.64	4.2
8/3/2005	22:00:00	22.94	9.08	0.1386	87.9	7.67	4.2
8/3/2005	23:00:00	22.99	9.1	0.1391	87.6	7.63	4.2
8/4/2005	0:00:00	22.97	9.14	0.139	87.2	7.60	4.2
8/4/2005	1:00:00	22.95	9.14	0.1391	87.2	7.60	4.2
8/4/2005	2:00:00	23.03	9.02	0.139	87.4	7.61	4.2
8/4/2005	3:00:00	22.99	9.07	0.1386	87.1	7.59	4.2
8/4/2005	4:00:00	23.08	9.05	0.1389	87.2	7.58	4.2

Bond Falls Hydroelectric Project - Victoria Tailrace

06-01-2005 to 08-04-2005

Date	Time	Temp	pH	SpCond	DO%	DO	Total Generation
MMDDYY	HHMMSS	°C	Units	mS/cm	Sat	mg/l	MWH
8/4/2005	5:00:00	23.21	9.06	0.1392	87.5	7.60	4.2
8/4/2005	6:00:00	23.42	9.04	0.1391	88.5	7.65	4.2
8/4/2005	7:00:00	23.28	9.18	0.1387	88	7.63	4.2
8/4/2005	8:00:00	23.19	9.01	0.1387	87.8	7.63	4.2
8/4/2005	9:00:00	23.33	9.14	0.1394	89	7.71	4.2

Highlighted box indicates problem with data.

Appendix C

Dissolved Oxygen Profiles of the Victoria Reservoir

Dissolved Oxygen Profile

Location: Victoria Hydro

Date/Time: June 9, 2005 10:45 Analyst: JP

Weather Conditions: Clear, moderate winds, 68°F

YSI Model 95 Calibration BP: 716.9 mm Hg Altitude: 700

	Before	After
mg/L DO	<u>92.0%</u>	<u>97.4%</u>
% Sat	<u>7.30 mg/L</u>	<u>7.72 mg/L</u>
Temp °C	<u>27.3°C</u>	<u>27.3°C</u>

Secchi Disk 4'6"

Profile Readings

Depth	D.O. mg/L	Temp. °C	Depth	D.O. mg/L	Temp. °C
0.5 meters	93.4% 8.17%	22.0	10.0 meters		
1.0 meters	92.5 8.11	21.9	10.5 meters		
1.5 meters	92.1 8.06	21.8	11.0 meters		
2.0 meters	91.8 8.06	21.8	11.5 meters		
2.5 meters	92.1 8.08	21.8	12.0 meters		
3.0 meters	92.0 8.09	21.8	12.5 meters		
3.5 meters	88.9 7.84	21.7	13.0 meters		
4.0 meters	87.1 7.71	21.2	13.5 meters		
4.5 meters	87.2 7.76	21.1	14.0 meters		
5.0 meters	86.9 7.72	21.1	14.5 meters		
5.5 meters	86.8 7.72	21.1	15.0 meters		
6.0 meters	86.8 7.72	21.1	15.5 meters		
6.5 meters	78.8 7.16	20.2	16.0 meters		
7.0 meters	73.0 7.00	17.3	16.5 meters		
7.5 meters	72.1 7.00	16.8	17.0 meters		
8.0 meters	72.3 7.04	16.6			
8.5 meters	73.0 7.14	16.5			
9.0 meters	72.9 7.12	16.4			
9.5 meters	71.2 6.99	16.3			

Bottom -

Dissolved Oxygen Profile

Location: Victoria Dam

Date/Time: 6/23/05 8:15 CST Analyst: MWM

Weather Conditions: Cloudy, Light winds + Rain

YSI Model 95 Calibration BP: _____ Altitude: 900'

	Before	After	YSI 55	Before	After
mg/L DO	<u>8.94</u>	<u>8.54</u>		<u>97.0%</u>	<u>96.8%</u>
% Sat	<u>101.0</u>	<u>96.6</u>		<u>8.39</u>	<u>8.37</u>
Temp °C	<u>21.4</u>	<u>21.4</u>		<u>22.4</u>	<u>22.6</u>

Profile Readings

Secchi Disk reading - 2' 8"

Depth	D.O. mg/L	Temp. °C	Depth	D.O. mg/L	Temp. °C
0.5 meters	7.85	25.1	10.0 meters	6.04	18.0
1.0 meters	7.81	25.1	10.5 meters	5.59	17.9
1.5 meters	7.81	25.1	11.0 meters	3.93	17.4
2.0 meters	7.74	25.1	11.5 meters	3.08	16.4
2.5 meters	7.69	25.1	12.0 meters	2.18	15.6
3.0 meters	7.66	25.1	12.5 meters		
3.5 meters	6.60	23.1	13.0 meters		
4.0 meters	6.51	22.2	13.5 meters		
4.5 meters	6.35	21.2	14.0 meters		
5.0 meters	6.30	19.9	14.5 meters		
5.5 meters	6.33	19.4	15.0 meters		
6.0 meters	6.30	19.0	15.5 meters		
6.5 meters	6.30	18.8	16.0 meters		
7.0 meters	6.31	18.8	16.5 meters		
7.5 meters	6.33	18.6	17.0 meters		
8.0 meters	6.30	18.6	Companion Readings - YSI 55		
8.5 meters	6.25	18.5	1.0 m	7.74	25.1
9.0 meters	6.21	18.3	5.5 m	6.54	19.4
9.5 meters	6.00	18.1			

- End of
meter
cable

Dissolved Oxygen Profile

Location: Victoria Dam

Date/Time: 7/7/05 10:15 Analyst: TR

Weather Conditions: Sunny and clear, 68°F, little wind

YSI Model 95 Calibration BP: 738.1 Altitude: 700

	Before	After
mg/L DO	<u>6.63 mg/L</u>	<u>7.27 mg/L</u>
% Sat	<u>88.7%</u>	<u>97.4%</u>
Temp °C	<u>30.6°C</u>	<u>30.6°C</u>

The agitator behind Dam house was not turned on

Profile Readings

Depth	D.O. mg/L	Temp. °C	Depth	D.O. mg/L	Temp. °C
0.5 meters	7.54	87.8 23.1	10.0 meters		
1.0 meters	7.41	85.8 22.5	10.5 meters		
1.5 meters	7.35	84.9 22.4	11.0 meters		
2.0 meters	7.35	84.8 22.4	11.5 meters		
2.5 meters	7.33	84.3 22.3	12.0 meters		
3.0 meters	7.30	84.1 22.3	12.5 meters		
3.5 meters	7.30	84.0 22.3	13.0 meters		
4.0 meters	7.29	83.9 22.3	13.5 meters		
4.5 meters	7.27	83.4 22.3	14.0 meters		
5.0 meters	7.16	82.3 22.2	14.5 meters		
5.5 meters	7.02	80.4 22.2	15.0 meters		
6.0 meters	6.93	79.6 22.2	15.5 meters		
6.5 meters	6.89	79.0 22.2	16.0 meters		
7.0 meters	6.85	78.7 22.2	16.5 meters		
7.5 meters	6.14	70.0 21.6	17.0 meters		
8.0 meters	4.88	53.0 19.2			
8.5 meters	4.70	50.1 18.6			
9.0 meters	3.22	33.9 18.5			
9.5 meters	1.78	20.9 18.3			

1.87 20.1 18.3 ←

Bottom

Dissolved Oxygen Profile

Location: Victoria Dam

Date/Time: clear/calm 72°F Analyst: JH

Weather Conditions: July 21, 2005 10:40

YSI Model 95 Calibration BP: 736.2mm Altitude: 700

	Before	After	Water agitator is on
mg/L DO	<u>7.94 mg/L</u>	<u>7.95 mg/L</u>	
% Sat	<u>97.0%</u>	<u>97.4%</u>	
Temp °C	<u>25.6°C</u>	<u>25.6°C</u>	

Profile Readings

becci Disk 8' 6"

Depth	D.O. mg/L	Temp. °C	Depth	D.O. mg/L	Temp. °C
0.5 meters	6.84	86.6 27.4	10.0 meters		
1.0 meters	6.74	85.7 27.4	10.5 meters		
1.5 meters	6.71	84.7 27.3	11.0 meters		
2.0 meters	6.74	85.1 27.3	11.5 meters		
2.5 meters	6.55	82.5 27.3	12.0 meters		
3.0 meters	6.59	83.3 27.3	12.5 meters		
3.5 meters	6.57	82.6 27.3	13.0 meters		
4.0 meters	6.57	83.0 27.3	13.5 meters		
4.5 meters	6.47	81.5 27.2	14.0 meters		
5.0 meters	6.26	78.7 27.0	14.5 meters		
5.5 meters	6.17	77.5 27.0	15.0 meters		
6.0 meters	6.13	76.9 26.9	15.5 meters		
6.5 meters	5.15	61.1 23.9	16.0 meters		
7.0 meters	4.99	58.0 22.9	16.5 meters		
7.5 meters	4.99	57.5 22.4	17.0 meters		
8.0 meters	5.04	58.0 22.2			
8.5 meters	4.97	56.7 22.0			
9.0 meters	4.56	51.6 21.9			
9.5 meters	2.79	31.6 21.7	← Bottom		

DISSOLVED OXYGEN PROFILE

Location: Victoria Dam

Date/Time: 8/4/05 11:15 Analyst: JP

Weather Conditions: Clear, Moderate Winds, 67°F

YSI Model 95 MEA Calibration BP: 739.00 Altitude: 700

	Before Cal.	After Cal.
% Sat	<u>95.1%</u>	<u>97.4%</u>
mg/L DO	<u>8.06 mg/L</u>	<u>8.25 mg/L</u>
Temp °C	<u>23.7°C</u>	<u>23.7°C</u>

becci Disk = 6' 6"
Water is choppy

Agitator is on

Profile Readings:

Depth	D.O. mg/L	%Sat Temp°C	Depth	D.O. mg/L	Temp. °C
0.5 meters	8.29	103.0 26.4	10.0 meters		
1.0 meters	8.28	102.9 26.4	10.5 meters		
1.5 meters	8.28	102.9 26.5	11.0 meters		
2.0 meters	8.27	102.7 26.5	11.5 meters		
2.5 meters	8.28	102.9 26.5	12.0 meters		
3.0 meters	8.18	101.8 26.5	12.5 meters		
3.5 meters	8.25	102.7 26.5	13.0 meters		
4.0 meters	8.22	101.9 26.3	13.5 meters		
4.5 meters	6.89	82.3 24.4	14.0 meters		
5.0 meters	6.43	75.6 23.5	14.5 meters		
5.5 meters	6.32	74.3 23.4	15.0 meters		
6.0 meters	6.24	73.3 23.3	15.5 meters		
6.5 meters	6.13	71.7 23.2	16.0 meters		
7.0 meters	5.98	70.0 23.1	16.5 meters		
7.5 meters	5.22	60.1 22.7	17.0 meters		
8.0 meters	4.15	47.6 22.2			
8.5 meters	3.56	40.5 21.8			
9.0 meters	2.78	31.7 21.3			
9.5 meters	0.08	7.6 20.4	← Bottom		

Appendix D

Documentation of Agency Consultation

From: Mark Metcalf
To: Bussiere, Donald; Deephouse, Bill; Deloria, Deloria; Evans, Bob; Fedora, Mark; Martini, Bob; Mensch, Gene; Meyers, Robert; Mistak, Jessica; Poissant, Kevin; Puzen, Shawn; Suppnick, John
Date: Fri, Jun 24, 2005 1:30 PM
Subject: Bond Falls water quality monitoring

Hello everyone,

I have reviewed water quality monitoring data for the Bond Falls project that was collected on 6/22 and 6/23/05. There are several readings from monitoring locations below the Cisco Dam and Victoria Powerhouse that are below the water quality standards. There are two spreadsheets attached with the data collected from 6/8/05 through 6/22/05 (Cisco) and 6/08/05 through 6/23/05 (Victoria).

In the Cisco branch of the Ontonogon river, the water quality standard is 5.0 mg/l DO. Readings below the water quality standard were observed starting on 6/19/05 at 23:00. When I was at the monitoring location on 6/22, there was very little flow at the monitoring location, I would estimate less than 5 CFS.

Below the Victoria Powerhouse, the water quality standard is 7.0 mg/l. There are several readings below 7.0, with the lowest reading of 6.6 mg/l. The results of a DO profile conducted on 6/23 are also included for your review in the Victoria Tailrace spreadsheet.

If you have any questions, feel free to e-mail or call me at (920) 433-1833.

Thanks,

Mark

Mark Metcalf
Environmental Consultant\Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com

suppnicj@michigan.gov

>>> "Mark Metcalf" <MMETCAL@wpsr.com> 06/24/05 2:30 PM >>>
Hello everyone,

I have reviewed water quality monitoring data for the Bond Falls project that was collected on 6/22 and 6/23/05. There are several readings from monitoring locations below the Cisco Dam and Victoria Powerhouse that are below the water quality standards. There are two spreadsheets attached with the data collected from 6/8/05 through 6/22/05 (Cisco) and 6/08/05 through 6/23/05 (Victoria).

In the Cisco branch of the Ontonogan river, the water quality standard is 5.0 mg/l DO. Readings below the water quality standard were observed starting on 6/19/05 at 23:00. When I was at the monitoring location on 6/22, there was very little flow at the monitoring location, I would estimate less than 5 CFS.

Below the Victoria Powerhouse, the water quality standard is 7.0 mg/l.

There are several readings below 7.0, with the lowest reading of 6.6 mg/l. The results of a DO profile conducted on 6/23 are also included for your review in the Victoria Tailrace spreadsheet.

If you have any questions, feel free to e-mail or call me at (920) 433-1833.

Thanks,

Mark

Mark Metcalf
Environmental Consultant/Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com

CC: <robert.e.martini@dnr.state.wi.us>, <mfedora@fs.fed.us>, <raevans@fs.fed.us>, <christie_deloria@fws.gov>, "Jessica Mistak" <MISTAKJL@michigan.gov>, "Gerald Saalfeld" <SAALFELG@michigan.gov>, <kbnrdfsh@up.net>, <troutkpr@up.net>, "Donald Bussiere" <DBUSSIE@wpsr.com>, "Kevin Poissant" <KPOISSA@wpsr.com>, "Robert Meyers" <RMEYERS@wpsr.com>

From: "John Suppnick" <SUPPNICJ@michigan.gov>
To: "Mark Metcalf" <MMETCAL@wpsr.com>, "Shawn Puzen" <SPUZEN@wpsr.com>
Date: 7/6/2005 11:43:07 AM
Subject: Re: Bond Falls water quality monitoring

Shawn,
I agree that it is probably too soon to draw any conclusions from the dissolved oxygen data at Bond Falls.
John

John Suppnick
Michigan Department of Environmental Quality
Water Bureau
517-335-4192
suppnicj@michigan.gov

>>> "Shawn Puzen" <SPUZEN@wpsr.com> 07/06/05 10:57 AM >>>
John-

Regarding your question, I have looked at the operations data. I think it is too early to determine if anything can be done operationally. At least one of the generator units at Victoria was operating during the low DO periods. Therefore, I am at a loss at this time. I would like to continue collecting data to help determine if anything can be done.

Thanks,

Shawn C. Puzen
Environmental Consultant
Wisconsin Public Service Corporation
(920)433-1094
spuzen@wpsr.com

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>>> "John Suppnick" <SUPPNICJ@michigan.gov> 6/28/2005 7:59:15 AM >>>
Mark,
Is there anything that can be done operationally to address these periods of low dissolved oxygen?
John

John Suppnick
Michigan Department of Environmental Quality
Water Bureau
517-335-4192

From: Mark Metcalf
To: Bussiere, Donald; Deephouse, Bill; Deloria, Christie; Evans, Robert A; Fedora, Mark; Martini, Bob; Mensch, Gene; Meyers, Robert; Mistak, Jessica; Poissant, Kevin; Puzen, Shawn; Suppnick, John
Date: 7/11/2005 9:07:32 AM
Subject: Bond Falls water quality monitoring data

Hello everyone,

I have reviewed water quality monitoring data for the Bond Falls project that was collected on 7/06 and 7/07/05. There are several readings from monitoring locations below the Cisco Dam and Victoria Powerhouse that are below the water quality standards. There are two spreadsheets attached with the data collected from 6/22/05 through 7/06/05 (Cisco) and 6/23/05 through 7/07/05 (Victoria).

In the Cisco branch of the Ontonogon river, the water quality standard is 5.0 mg/l DO. Readings below the water quality standard were observed every day from 6/22 through 6/27, and again on 7/02. I have graphed the monitoring data (which is included below the monitoring data) and the data is showing a very cyclical pattern - high during the day, low at night.

Below the Victoria Powerhouse, the water quality standard is 7.0 mg/l. There are several readings below 7.0, with the lowest reading of 6.33 mg/l on 6/29/05. The results of a DO profile conducted on 7/07 are also included for your review in the Victoria Tailrace spreadsheet.

If you have any questions, feel free to e-mail or call me at (920) 433-1833.

Thanks,

Mark

Mark Metcalf
Environmental Consultant/Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com

From: Mark Fedora <mfedora@fs.fed.us>
To: "Mark Metcalf" <MMETCAL@wpsr.com>
Date: 7/13/2005 5:27:21 PM
Subject: Re: Bond Falls water quality monitoring data

Check this out. The water quality standard for Cisco can be met when there is water in the river, otherwise.....

(Embedded image moved to file: pic28574.jpg)

Mark Fedora
Hydrologist
Eastern Region Aquatic Technical Team
906.932.1330 x318
mfedora@fs.fed.us

"Mark Metcalf"
<MMETCAL@wpsr.com>
>
07/11/2005 09:07 AM
To
<robert.e.martini@dnr.state.wi.us>,
<mfedora@fs.fed.us>,
<raevans@fs.fed.us>,
<christie_deloria@fws.gov>,
<suppnicj@mich.gov>,
<mistakjl@michigan.gov>,
<kbnrdsh@up.net>,
<troutkpr@up.net>, "Donald
Bussiere" <DBUSSIE@wpsr.com>,
"Kevin Poissant"
<KPOISSA@wpsr.com>, "Robert Meyers"
<RMEYERS@wpsr.com>, "Shawn Puzen"
<SPUZEN@wpsr.com>
cc
Subject
Bond Falls water quality monitoring
data

Hello everyone,

I have reviewed water quality monitoring data for the Bond Falls project that was collected on 7/06 and 7/07/05. There are several readings from monitoing locations below the Cisco Dam and Victoria Powerhouse that are below the water quality standards. There are two spreadsheets attached with the data collected from 6/22/05 through

7/06/05 (Cisco) and 6/23/05 through 7/07/05 (Victoria).

In the Cisco branch of the Ontonogan river, the water quality standard is 5.0 mg/l DO. Readings below the water quality standard were observed every day from 6/22 through 6/27, and again on 7/02. I have graphed the monitoring data (which is included below the monitoring data) and the data is showing a very cyclical pattern - high during the day, low at night.

Below the Victoria Powerhouse, the water quality standard is 7.0 mg/l. There are several readings below 7.0, with the lowest reading of 6.33 mg/l on 6/29/05. The results of a DO profile conducted on 7/07 are also included for your review in the Victoria Tailrace spreadsheet.

If you have any questions, feel free to e-mail or call me at (920) 433-1833.

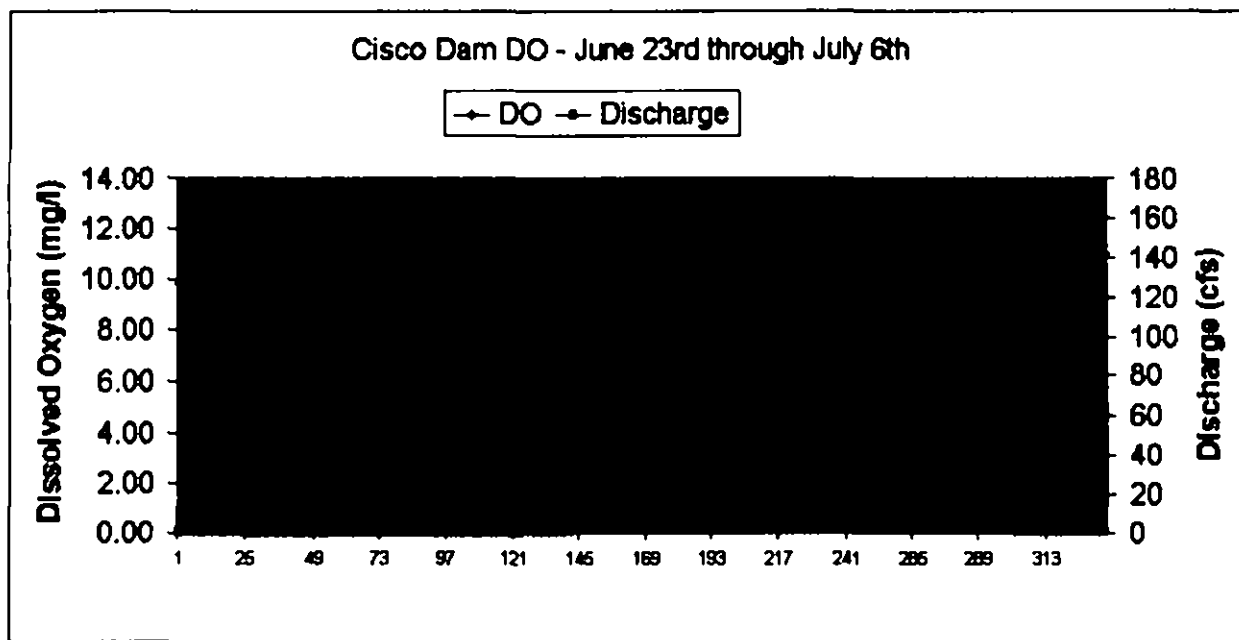
Thanks,

Mark

Mark Metcalf
Environmental Consultant/Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com

[attachment "Cisco Dam 07-06-2005.prn.xls" deleted by Mark
Fedora/R9/USDAFS] [attachment "Victoria 07-07-2005.prn.xls" deleted by Mark
Fedora/R9/USDAFS]

CC: <christie_deloria@fws.gov>, "Donald Bussiere" <DBUSSIE@wpsr.com>, <kbnrdfsh@up.net>, "Kevin Poissant" <KPOISSA@wpsr.com>, <mistakji@michigan.gov>, <raevans@fs.fed.us>, "Robert Meyers" <RMEYERS@wpsr.com>, <robert.e.martini@dnr.state.wi.us>, "Shawn Puzen" <SPUZEN@wpsr.com>, <suppnicj@mich.gov>, <troutkpr@up.net>



From: Mark Metcalf
To: Bussiere, Donald; Deepphouse, Bill; Deloria, Christie; Evans, Robert A; Fedora, Mark; Martini, Bob; Mensch, Gene; Meyers, Robert; Mistak, Jessica; Poissant, Kevin; Puzen, Shawn; Supnick, John
Date: 7/22/2005 11:21:39 AM
Subject: Water Quality monitoring - Cisco Dam

Hello everyone,

Water quality monitoring data collected from June 6 through June 20 below the Cisco Dam has been reviewed for deviations from the water quality standard. There are several hourly readings below the 5.0 mg/l water quality standard for the Cisco Branch of the Ontonogan River. The data is attached for your review. The low DO readings are most likely due to a lack of flow in that branch of the river.

If you have any questions about the data, feel free to call me at (920) 433-1833.

Thanks,

Mark

Mark Metcalf
Environmental Consultant/Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com

From: "Jessica Mistak" <mistakjl@michigan.gov>
To: "Steven Casey" <CASEYS@michigan.gov>, "John Suppnick" <SUPPNICJ@michigan.gov>, "Mark Metcalf" <MMETCAL@wpsr.com>
Date: 8/8/2005 1:18:18 PM
Subject: Re: Escanaba Dam 4 DO data

Mark, Shawn, John, and Steve,

It's been a hot and busy summer. Since we had a number of water quality violations at the following projects: Bond Falls, Escanaba, Prickett, and Dead River, I suggest we set aside a 1/2 day meeting this fall to review all of the data (I think it would be helpful to see the big picture) and talk about where we go from here. For example, in some instances are there operational measures that can be employed to mitigate for deviations?

Perhaps we could piggy back this to the October 11 Lake Gogebic meeting?
Jessica

>>> "Mark Metcalf" <MMETCAL@wpsr.com> 08/08/2005 2:03:15 PM >>>

Steve and Jessica,

Water quality monitoring data collected at Escanaba Dam 4 (Boney Falls) collected between July 19th and August 2nd has been reviewed for deviations from the State Water Quality Standard. Due to low water flow conditions, Escanaba Dam 4 was taken off line and put into isolation mode (only producing power for the Dam) on July 18th. Dam 4 was put online on July 19 at approximately 13:00. Hourly readings below the water quality standard of 7.0 mg/l were observed. DO corrective actions were not taken due to the short duration of the events. On July 20th between 22:00 and 23:00 hours, Dam 4 was taken off line again and has been in isolation mode.

Water quality data collected between July 19 and August 2 is attached for your review. Please contact me if you have any questions regarding the data.

Thanks,

Mark

Mark Metcalf
Environmental Consultant/Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com

CC: "Shawn Puzen" <SPUZEN@wpsr.com>

From: Mark Metcalf
To: Bussiere, Donald; Deephouse, Bill; Deloria, Christie; Evans, Robert A; Fedora, Mark; Martini, Bob; Mensch, Gene; Meyers, Robert; Mistak, Jessica; Poissant, Kevin; Puzen, Shawn; Suppnick, John
Date: 8/9/2005 8:45:14 AM
Subject: Water quality monitoring - Bond Falls project

Hello everyone,

Water quality monitoring data collected for the Bond Falls Hydroelectric Project has been reviewed, and deviations from the water quality standard were recorded below the Cisco Dam and Victoria Powerhouse between July 20 and August 4, 2005.

The water quality standard below the Cisco Dam is 5.0 mg/l. The low readings are most likely due to low water flow observed in most of the U.P. I have included hourly gauge height data from a USGS station near the dam (USGS station No. 04037400) for your review.

The water quality standard below the Victoria Powerhouse is 7.0 mg/l. The attached spreadsheet contains hourly dissolved oxygen and generation data, along with the results of a dissolved oxygen profile taken on August 4th. Please note that the total generation capacity at the Victoria Facility is 12 MWH.

If you have any questions regarding the data, please feel free to contact me.

Thanks,

Mark

Mark Metcalf
Environmental Consultant\Chemist
Wisconsin Public Service Corp.
920-433-1833
mmetcal@wpsr.com