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Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
700 North Adams Street
P.O. Box 19002
Green Bay, WI 54307-9002

FEDERAL ENERGY
REGULATORY COMMISSION

December 10, 2007

FERC No. 2595

P-2595-117

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
Mail Code: DTCA, HL 21.3
888 First Street, N.E.
Washington, DC 20426

Dear Secretary Salas:

Re: 2007 Water Quality Monitoring Results for the High Falls Hydroelectric Project

As per the Water Quality Monitoring Plan for the High Falls Hydroelectric Project, Wisconsin Public Service Corporation (WPSC) is pleased to submit water quality monitoring data for the 2007 monitoring year.

Per the water quality monitoring plans for the High Falls Hydroelectric Project, dissolved oxygen, temperature, and pH were monitored in the tailrace of the High Falls Hydroelectric facility, at the Boat Landing No. 3 bridge over the Peshtigo River. The dissolved oxygen water quality standard is 5.0 mg/l. Water quality monitoring was conducted using Hydrolab Datasonde[®] monitoring equipment. Per the manufacturer, the monitoring equipment has a D.O. accuracy of +/- 0.2 mg/l. All monitoring data collected was adjusted for a loss of calibration if a post calibration of the equipment showed calibration drift of 0.2 mg/l or greater. For compliance purposes, any dissolved oxygen readings below 4.80 mg/l is an exceedence of the Project License limit.

There are only four hourly readings below the water quality standard to report. Two hourly D.O. readings below 5.0 mg/l were recorded in the High Falls Hydro tailrace in June. The lowest reading was 4.91 mg/l dissolved oxygen. Per the operation plan for the facility, water was being spilled via the tainter gates when low dissolved oxygen water was observed. Two hourly readings below the water quality standard for dissolved oxygen were observed on July 18. These readings were abnormal, sudden drops in dissolved oxygen, which WPSC believes are anomalies.

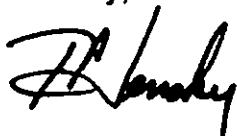
There are no deviations from the State temperature or pH standards to report. Water quality monitoring data collected between June 1 and September 30, 2007 is attached in Appendix A. WPSC has consulted with the Wisconsin Department of Natural

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December 10, 2007
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Resources (WDNR) and U.S. Fish and Wildlife Service (FWS) regarding the water quality monitoring data. No comments were received from WDNR or FWS on the water quality monitoring data. Documentation of agency consultation is attached in Appendix B.

Should you have any questions regarding this submittal, please do not hesitate to call Mr. Mark Metcalf at (920) 433-1833. Thank you for your time and consideration.

Sincerely,



Terry P. Jensky
Vice President - Energy Supply Operations
Telephone: (715) 355-2047

Attach.

cc: Mr. Mike Donofrio, WDNR (cover only)
Mr. Scott Watson, WDNR (cover only)
Ms. Justine Hasz, WDNR (cover only)
Ms. Louise Clemency, FWS (cover only)
Mr. Howard Giesler, WPSC (cover only)
Mr. Shawn Puzen, WPSC (cover only)
Mr. Bruce Crocker, WPSC (cover only)
Mr. Ed Brandt, WPSC (cover only)
Ms. Joan Johaneck, WPSC (file)

Appendix A

High Falls Hydroelectric Project

2007 Water Quality Monitoring Data

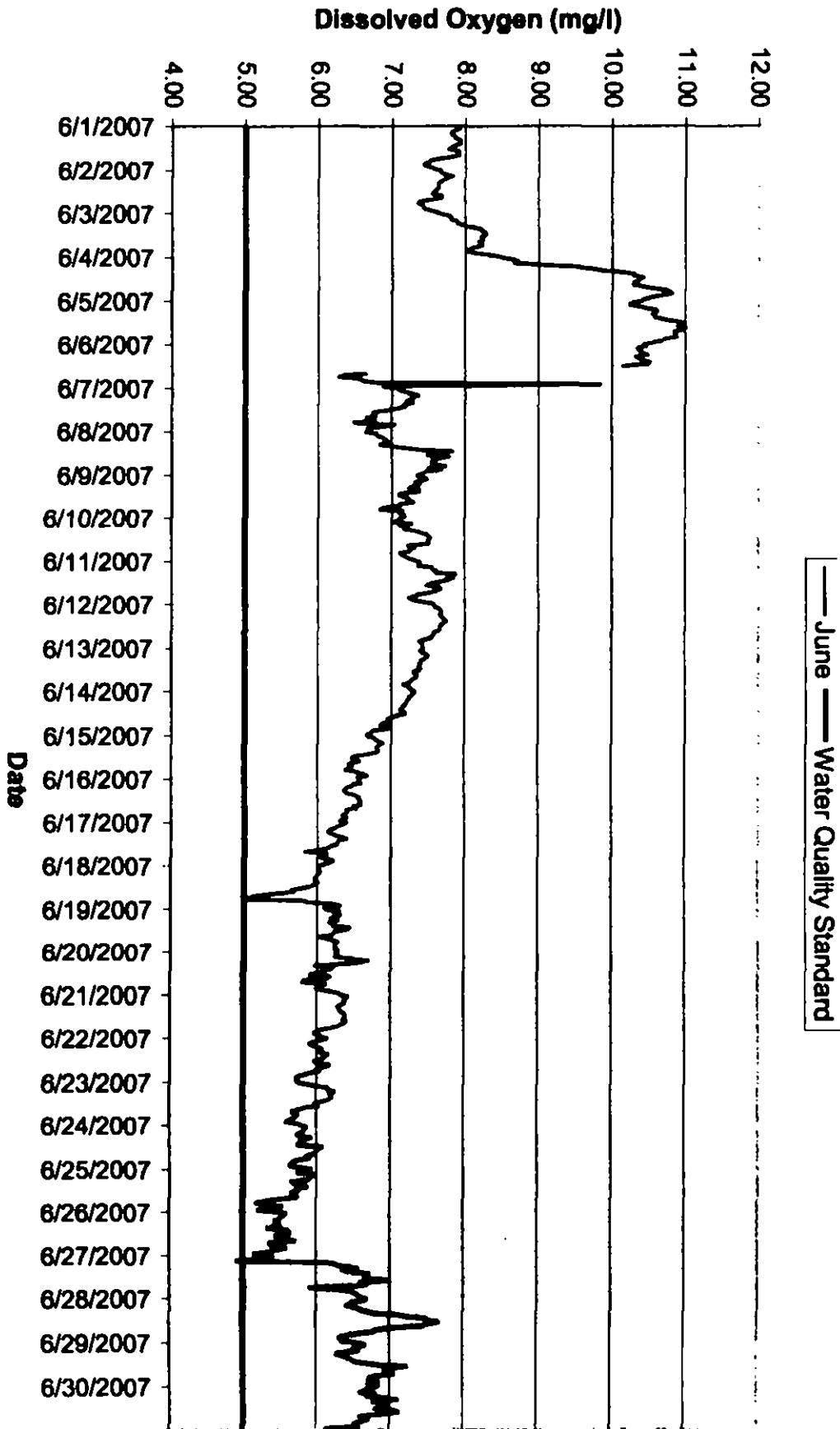
FERC Project No. 2595

High Falls Hydroelectric Project

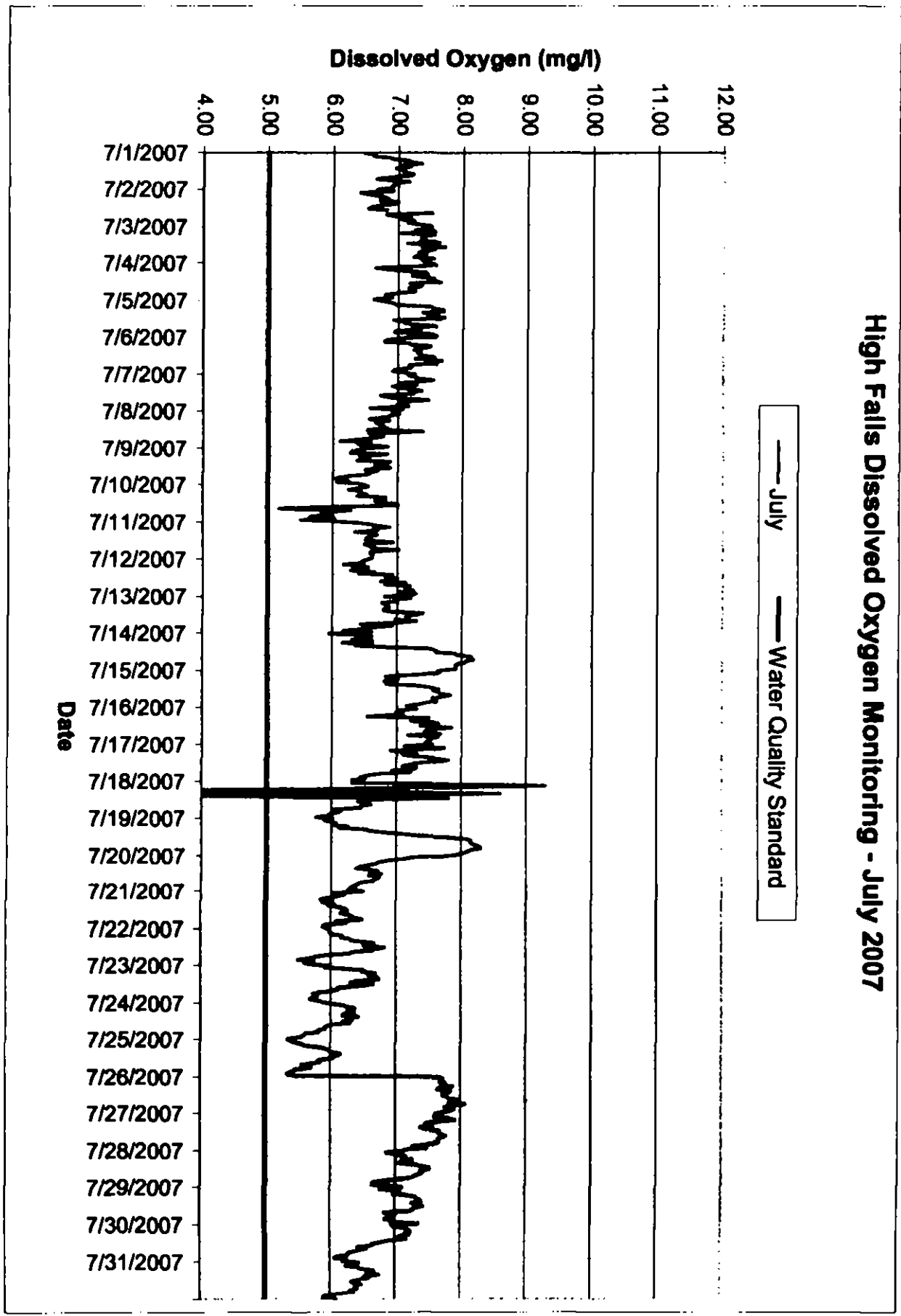
FERC #No. 2595

2007 Dissolved Oxygen Monitoring Data

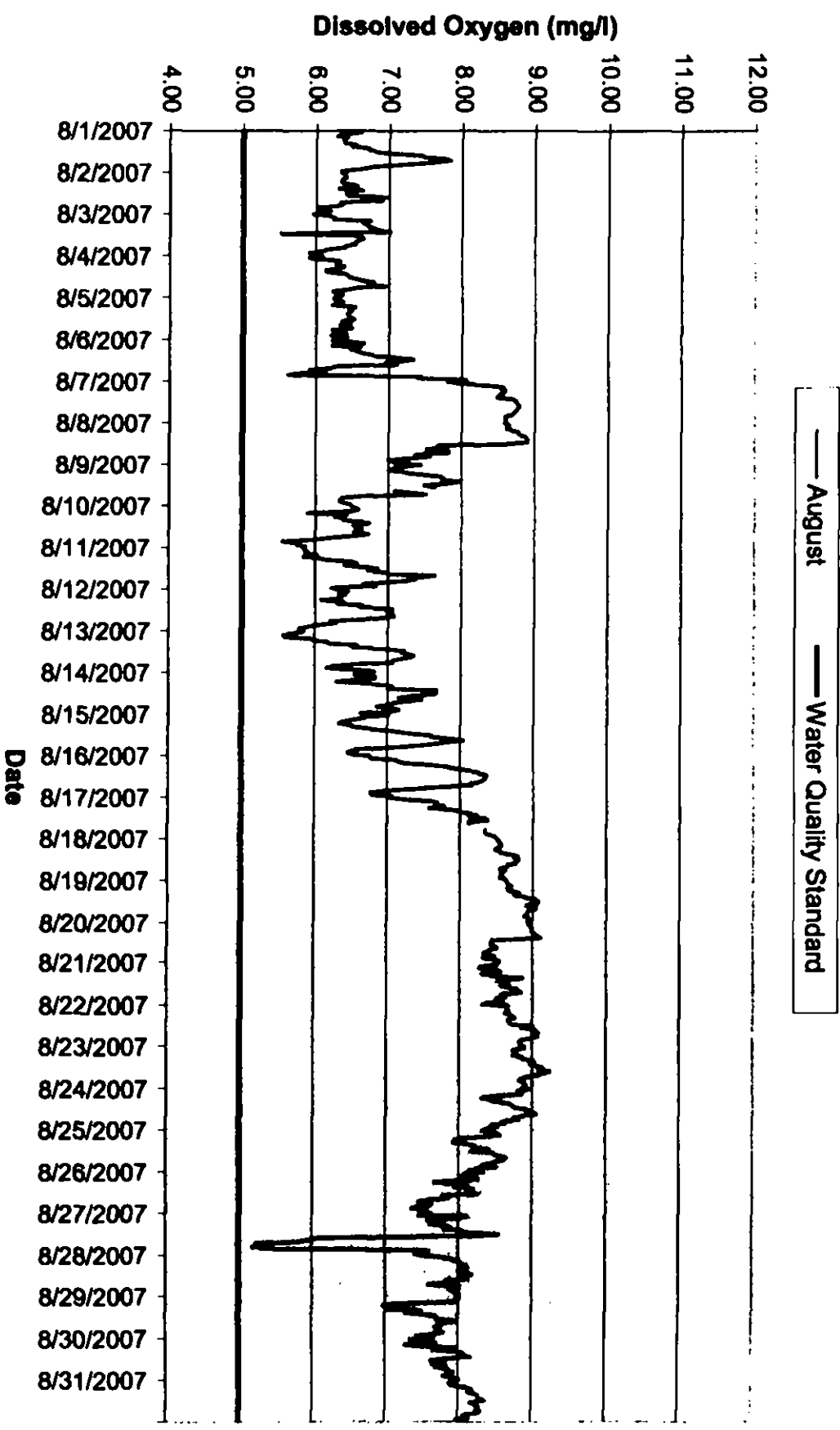
High Falls Dissolved Oxygen Monitoring - June 2007



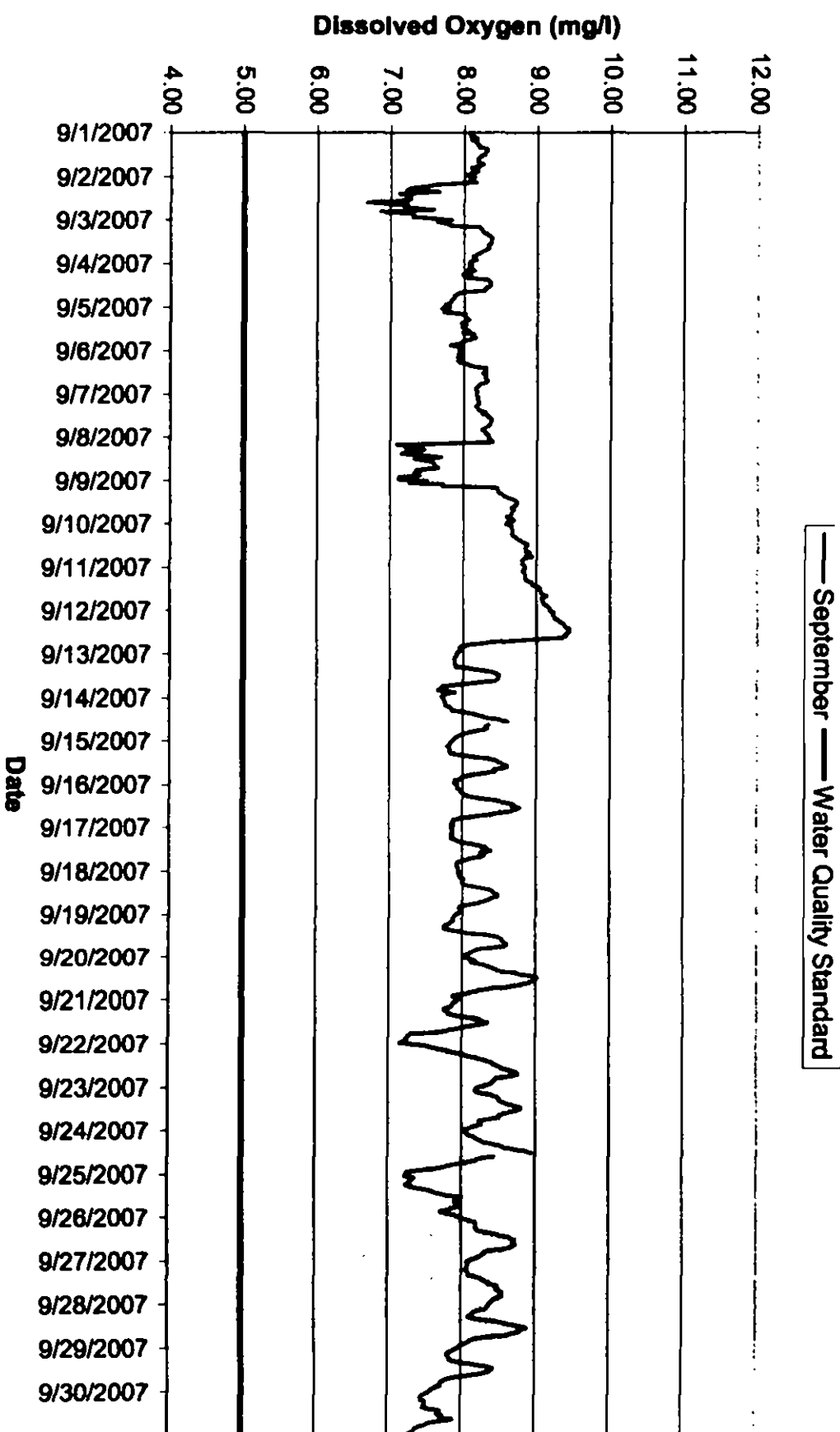
High Falls Dissolved Oxygen Monitoring - July 2007



High Falls Dissolved Oxygen Monitoring - August 2007



High Falls Dissolved Oxygen Monitoring - September 2007



High Falls Deaolved Oxygen Summary - June 2007

Time	06/01/07	06/02/07	06/03/07	06/04/07	06/05/07	06/06/07	06/07/07	06/08/07	06/09/07	06/09/07	06/10/07	06/11/07	06/12/07	06/13/07	06/14/07	06/15/07	06/16/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	7.82	7.86	7.88	8.51	10.39	10.43	7.07	6.94	7.34	7.10	7.39	7.56	7.44	7.32	8.87	8.57	
20000	7.82	7.86	7.77	8.64	10.28	10.46	7.10	6.79	7.43	7.11	7.37	7.59	7.39	7.29	8.78	8.55	
30000	7.85	7.71	7.80	8.72	10.24	10.34	7.18	6.80	7.46	7.02	7.36	7.64	7.41	7.27	8.75	8.59	
40000	7.80	7.82	7.80	8.86	10.37	10.38	7.27	6.87	7.37	7.27	7.55	7.66	7.48	7.24	8.82	8.49	
50000	7.80	7.78	7.88	9.05	10.47	10.39	7.36	6.90	7.31	7.11	7.56	7.68	7.50	7.23	8.88	8.47	
60000	7.84	7.71	7.89	9.48	10.60	10.42	7.26	6.94	7.36	7.22	7.80	7.65	7.47	7.21	8.83	8.39	
70000	7.85	7.87	7.95	9.74	10.61	10.48	7.27	7.27	7.28	7.17	7.60	7.67	7.44	7.20	8.83	8.36	
80000	7.90	7.83	7.83	9.84	10.55	10.33	7.18	6.83	7.23	7.33	7.87	7.98	7.40	7.19	8.81	8.38	
90000	7.83	7.83	8.21	10.09	10.58	10.37	7.28	7.01	7.36	7.39	7.76	7.71	7.40	7.15	8.83	8.40	
100000	7.86	7.84	8.22	10.29	10.58	10.41	7.15	7.18	7.37	7.47	7.84	7.74	7.38	7.15	8.81	8.52	
110000	7.86	7.82	8.27	10.29	10.68	10.51	7.19	7.38	7.13	7.51	7.77	7.71	7.37	7.11	8.87	8.57	
120000	7.80	7.80	8.28	10.42	10.81	10.47	7.08	7.82	7.09	7.51	7.65	7.67	7.40	7.17	8.51	8.55	
130000	7.78	7.56	8.21	10.36	10.86	10.14	6.94	7.84	7.16	7.49	7.53	7.65	7.37	7.19	8.47	8.55	
140000	7.90	7.55	8.23	10.34	10.94	10.34	6.74	7.48	7.23	7.50	7.47	7.65	7.30	7.08	8.47	8.59	
150000	7.91	7.68	8.24	10.29	10.89	10.51	6.78	7.78	7.20	7.50	7.84	7.65	7.32	7.00	8.57	8.59	
160000	7.91	7.67	8.18	10.26	11.00	10.41	6.78	7.55	7.29	7.22	7.87	7.59	7.35	7.00	8.47	8.48	
170000	7.84	7.54	8.19	10.41	10.97	10.84	6.84	7.59	7.10	7.32	7.60	7.59	7.34	6.98	8.42	8.52	
180000	7.68	7.38	8.23	10.54	10.84	8.35	6.77	7.54	7.11	7.25	7.51	7.59	7.29	6.88	8.47	8.39	
190000	7.51	7.35	8.13	10.72	10.87	8.26	6.66	7.54	6.88	7.25	7.36	7.55	7.28	6.84	8.42	8.40	
200000	7.50	7.41	8.06	10.77	10.85	6.57	6.48	7.73	6.83	7.11	7.32	7.46	7.23	6.95	8.37	8.37	
210000	7.42	7.42	8.02	10.82	10.88	6.61	7.04	7.50	7.14	7.14	7.23	7.38	7.16	6.85	8.54	8.33	
220000	7.44	7.44	8.10	10.69	10.71	6.79	6.86	7.67	7.09	7.19	7.26	7.42	7.22	6.73	8.62	8.39	
230000	7.52	7.52	8.24	10.53	10.87	6.84	6.86	7.45	7.16	7.24	7.37	7.42	7.25	6.72	8.67	8.38	
230000	7.59	7.80	8.41	10.45	10.57	6.86	6.70	7.41	7.17	7.30	7.55	7.42	7.27	6.86	8.54	8.30	
Daily Max	7.83	7.82	8.41	10.82	11.00	10.51	7.36	7.82	7.48	7.53	7.87	7.74	7.50	7.32	8.88	8.59	
Daily Min	7.42	7.35	7.68	8.51	10.24	6.26	6.48	6.64	6.83	7.02	7.23	7.38	7.16	6.86	8.37	8.30	
Average	7.77	7.59	8.09	10.00	10.68	9.10	6.98	7.28	7.21	7.28	7.54	7.50	7.35	7.06	8.63	8.46	

Monthly average: 7.02
 Data missing due to equipment malfunction

High Falls Deaerated Oxygen Summary - June 2007

Time	08/17/07	08/18/07	08/19/07	08/20/07	08/21/07	08/22/07	08/23/07	08/24/07	08/25/07	08/26/07	08/27/07	08/28/07	08/29/07	08/30/07
HHMMSS	08/17/07	08/18/07	08/19/07	08/20/07	08/21/07	08/22/07	08/23/07	08/24/07	08/25/07	08/26/07	08/27/07	08/28/07	08/29/07	08/30/07
0	6.39	6.02	6.14	6.24	6.33	6.14	5.74	5.87	5.92	5.48	5.40	6.68	6.60	6.80
10000	6.34	6.01	6.3	6.28	6.42	6.05	5.88	5.87	5.75	5.69	5.39	6.62	6.66	6.68
20000	6.27	6.02	6.22	6.27	6.39	5.96	6.02	5.83	5.74	5.58	5.15	6.49	6.54	6.65
30000	6.23	6.04	6.31	6.24	6.36	5.89	6.16	5.83	5.99	5.51	4.91	6.47	6.50	6.59
40000	6.18	6.03	6.26	6.46	6.38	5.94	6.14	5.78	5.83	5.50	6.12	6.39	6.58	6.80
50000	6.13	6.00	6.16	6.69	6.33	6.01	6.24	5.73	5.90	5.43	6.26	6.55	6.42	6.88
60000	6.17	5.98	6.28	6.56	6.28	6.07	6.17	5.76	5.89	5.50	6.29	6.61	6.27	6.93
70000	6.23	5.96	6.16	6.44	6.3	6.07	6.20	5.92	5.65	5.43	6.86	6.70	6.33	7.11
80000	6.30	5.96	6.23	5.96	6.31	6.04	6.21	5.82	5.69	5.51	6.34	6.80	6.41	6.76
90000	6.39	6.01	6.21	6.21	6.33	6.15	6.18	5.77	5.85	5.33	6.41	7.11	6.47	6.96
100000	6.28	5.96	6.44	6.17	6.36	6.11	6.12	5.81	5.86	5.60	6.72	7.24	6.52	6.86
110000	6.27	5.92	6.4	6.06	6.36	6.09	6.02	5.74	5.71	5.84	6.65	7.49	6.66	6.79
120000	6.26	5.84	6.24	6.04	6.39	6.03	5.97	6.08	5.75	5.84	6.64	7.52	6.87	6.79
130000	6.17	5.85	6.21	6.04	6.35	5.96	6.03	6.02	5.65	5.44	6.74	7.67	7.23	7.06
140000	6.14	5.89	6.19	6.18	6.4	6.05	5.82	5.99	5.65	5.46	6.97	7.49	6.96	7.12
150000	6.05	5.45	6.02	6.14	6.38	6.17	5.75	5.99	5.74	5.57	6.59	7.45	6.92	6.89
160000	5.82	5.19	6.13	5.83	6.28	6.06	5.66	5.96	5.73	5.71	6.66	7.02	7.03	6.56
170000	6.12	5.06	6.2	5.8	6.28	5.93	5.67	5.86	5.44	5.38	6.52	6.82	7.06	6.87
180000	6.11	4.99	6.26	6.12	6.19	6.03	5.75	5.85	5.31	5.36	6.90	6.77	6.78	6.71
190000	6.04	5.79	6.24	6.01	6.04	5.88	5.72	5.75	5.18	5.49	6.21	6.52	6.71	6.63
200000	6.11	5.86	6.23	5.99	5.96	5.81	5.69	5.68	5.32	5.58	6.44	6.43	6.71	6.51
210000	6.22	6.22	6.25	6.03	5.96	5.72	5.63	5.70	5.53	5.39	6.53	6.30	6.65	6.55
220000	6.18	6.31	6.23	6.16	6.02	5.74	5.59	5.63	5.43	5.41	6.56	6.35	6.70	6.59
230000	6.10	6.09	6.26	6.29	6.06	5.71	5.74	5.73	5.21	5.15	6.59	6.34	6.84	6.13
Daily Max	6.39	6.31	6.44	6.89	6.42	6.17	6.24	6.08	5.99	5.71	6.97	7.67	7.23	7.12
Daily Min	5.82	4.99	6.02	5.80	5.96	5.71	5.58	5.63	5.16	5.15	4.91	6.30	6.27	6.13
Average	6.19	5.84	6.23	6.17	6.27	5.99	5.92	5.83	5.66	5.49	6.27	6.83	6.69	6.75

Monthly average: 7.02
 Data missing due to equipment malfunction

High Falls Deactivated Oxygen Summary - July 2007

Time	07/01/07	07/02/07	07/03/07	07/04/07	07/05/07	07/06/07	07/07/07	07/08/07	07/09/07	07/10/07	07/11/07	07/12/07	07/13/07	07/14/07	07/15/07	07/16/07
HHMMSS	0	6.47	6.86	7.52	7.40	6.72	7.56	7.26	6.91	6.50	6.55	6.35	6.53	6.50	6.49	6.57
10000	6.61	6.92	7.45	7.59	6.86	7.02	7.16	6.96	6.39	6.55	6.66	6.44	6.50	6.55	6.52	7.02
20000	6.60	6.41	7.25	7.35	6.93	6.83	7.27	7.02	6.26	6.39	6.86	6.48	6.39	6.36	6.81	6.57
30000	6.84	6.53	7.57	6.84	6.96	6.78	7.33	6.87	6.26	6.24	6.86	6.16	6.96	6.51	6.96	6.96
40000	6.92	6.69	7.04	6.85	7.47	7.16	7.55	6.80	6.83	6.44	6.52	6.46	6.75	6.30	6.82	7.09
50000	7.14	6.79	7.56	7.12	7.54	7.21	7.30	6.55	6.40	6.42	6.70	6.55	6.80	6.62	7.01	6.97
60000	7.21	6.85	7.43	7.39	7.69	7.50	7.00	6.87	6.45	6.52	6.34	6.39	6.84	6.62	7.02	6.53
70000	7.36	6.71	7.36	7.45	7.70	7.42	7.29	7.29	6.56	6.37	6.57	6.27	6.87	6.82	7.02	6.53
80000	7.00	7.00	7.34	7.20	7.37	7.24	8.91	6.89	6.36	6.81	6.68	6.84	6.79	6.36	6.99	7.49
90000	7.18	6.94	7.35	7.36	7.45	7.35	6.99	6.77	6.86	6.81	6.58	6.40	6.77	6.79	6.83	7.21
100000	6.96	6.74	7.63	7.55	7.44	7.28	7.23	6.74	6.70	6.88	6.52	6.92	6.91	7.46	7.27	7.63
110000	7.09	6.60	7.13	7.53	7.71	7.35	7.36	6.84	6.83	6.84	6.50	6.92	6.91	7.46	7.47	7.64
120000	7.06	6.53	7.46	7.65	7.44	7.64	7.17	7.36	6.88	6.84	6.68	6.81	7.39	7.60	7.39	7.36
130000	7.10	6.82	7.72	7.17	6.92	7.56	7.23	7.23	6.52	6.88	6.82	6.96	7.29	7.60	7.60	7.64
140000	7.22	7.52	7.36	7.36	7.07	7.28	7.56	6.84	6.83	6.84	6.93	6.90	7.13	7.06	7.55	7.84
150000	7.17	6.81	7.55	7.34	7.09	7.68	7.02	6.71	6.48	5.17	6.55	7.12	6.97	7.06	7.66	7.44
160000	6.89	6.97	7.46	7.15	7.24	7.51	7.02	6.84	6.88	5.82	6.59	6.80	7.30	7.82	7.82	7.42
170000	6.65	6.81	7.30	7.24	7.58	7.59	7.47	6.65	6.57	5.82	6.89	7.18	7.02	6.13	6.18	7.67
180000	6.89	7.19	7.43	7.25	7.20	7.16	7.09	6.41	6.55	5.97	6.89	7.15	7.02	6.18	6.06	7.16
190000	7.16	7.04	7.35	7.07	7.35	7.21	7.07	6.10	6.06	5.84	6.56	7.11	6.43	8.06	7.54	7.63
200000	6.91	7.24	7.23	6.80	6.97	7.18	6.98	6.58	6.04	5.64	6.57	7.24	6.80	8.04	7.61	7.47
210000	6.94	7.14	7.54	6.78	6.94	6.95	7.16	6.37	6.23	6.02	6.62	7.04	6.57	7.90	7.61	7.47
220000	6.88	7.25	7.35	6.90	7.43	6.91	6.56	6.48	6.06	5.50	6.60	7.26	6.17	7.91	7.46	7.52
230000	6.91	7.46	7.47	6.61	7.80	7.09	7.07	6.84	6.39	5.99	6.61	7.22	6.61	7.89	7.35	7.47
Daily Max	7.36	7.52	7.72	7.65	7.71	7.68	7.55	7.36	6.88	7.01	7.02	7.28	7.39	8.18	7.82	7.84
Daily Min	6.47	6.41	7.04	6.61	6.72	6.78	6.56	6.10	6.04	5.17	6.34	6.16	6.17	5.95	6.90	6.53
Average	6.98	6.91	7.41	7.20	7.29	7.28	7.13	6.71	6.47	6.26	6.62	6.78	6.67	7.29	7.36	7.34

Monthly average: 6.84
 Missing data due to equipment change
 Suspect 7/18 data is anomalous

High Falls Discharged Oxygen Summary - July 2007

Time	07/17/07	07/18/07	07/19/07	07/20/07	07/21/07	07/22/07	07/23/07	07/24/07	07/25/07	07/26/07	07/27/07	07/28/07	07/29/07	07/30/07	07/31/07
0	7.54	8.41	6.02	7.75	6.49	5.97	5.99	5.97	5.33	7.69	7.81	7.11	7.12	6.94	6.44
10000	7.11	6.31	6.88	7.27	6.02	5.98	5.90	6.17	5.36	7.74	7.64	6.85	6.77	7.01	6.43
20000	7.73	8.26	5.99	7.09	6.20	5.98	6.20	6.25	5.47	7.74	7.59	6.86	7.08	7.17	6.24
30000	7.52	9.29	6.07	6.87	6.12	6.02	6.51	6.37	5.57	7.68	7.79	7.13	6.98	7.21	6.42
40000	6.89	7.66	6.00	6.73	6.00	6.17	6.48	6.26	5.61	7.77	7.82	7.17	6.97	7.24	6.48
50000	7.03	5.57	6.25	6.69	5.83	6.15	6.69	6.27	5.85	7.70	7.67	7.10	7.17	7.15	6.66
60000	7.30	████████	6.10	6.57	6.02	6.29	6.57	6.37	5.94	7.88	7.49	7.26	7.32	7.22	6.68
70000	7.09	6.50	6.54	6.43	5.86	6.31	6.62	6.22	5.98	7.69	7.45	7.08	7.33	7.05	6.55
80000	7.33	8.80	6.57	6.37	6.06	6.49	6.72	6.18	6.00	7.94	7.56	7.05	7.39	7.06	6.76
90000	7.61	████████	6.80	6.57	5.86	6.66	6.74	6.43	6.16	7.85	7.37	7.31	7.40	7.18	6.51
100000	7.80	5.07	7.08	6.72	6.09	6.49	6.42	6.28	6.13	7.81	7.50	7.39	7.28	6.90	6.60
110000	7.66	7.80	7.28	6.59	6.21	6.52	6.30	6.34	6.04	7.74	7.69	7.52	7.37	6.76	6.45
120000	7.36	6.47	7.75	6.77	6.25	6.83	6.65	6.18	6.04	7.72	7.65	7.51	7.43	6.84	6.32
130000	7.20	6.40	8.07	6.57	6.25	6.69	6.42	6.30	5.81	7.80	7.69	7.36	7.30	6.65	6.35
140000	7.09	6.56	8.14	6.74	6.15	6.64	6.11	6.02	5.86	7.82	7.77	7.42	7.26	6.42	6.49
150000	7.31	6.61	8.13	6.72	6.26	6.33	6.12	5.95	5.76	7.96	7.71	7.39	7.21	6.56	6.39
160000	7.27	8.45	8.16	6.68	6.33	6.27	6.03	5.90	5.56	7.89	7.85	7.32	7.19	6.45	6.36
170000	6.92	6.45	8.21	6.65	6.31	5.94	6.03	5.82	5.70	7.82	7.68	7.26	7.01	6.35	6.43
180000	7.22	6.05	8.29	6.44	6.48	5.75	5.72	5.79	5.70	8.07	7.87	7.19	6.98	6.27	6.30
190000	6.77	6.14	8.30	6.42	6.08	5.68	5.80	5.82	5.44	7.83	7.60	6.97	6.89	6.26	6.37
200000	6.54	6.09	8.15	6.35	6.24	5.49	5.74	5.81	5.46	7.75	7.49	6.72	6.83	6.09	6.18
210000	6.44	5.96	8.09	6.30	5.92	5.74	5.67	5.59	5.40	7.90	7.26	6.64	6.97	6.06	5.92
220000	6.52	5.94	8.02	6.38	5.87	5.59	5.80	5.66	5.33	7.85	7.48	6.63	6.94	6.26	5.89
230000	6.31	5.75	7.93	6.25	5.92	5.67	5.86	5.44	5.36	7.76	7.18	6.89	7.39	6.19	6.09
Daily Max	7.80	9.29	8.30	7.75	6.49	6.83	6.74	6.43	6.16	8.07	7.92	7.62	7.43	7.24	6.78
Daily Min	6.31	0.99	5.88	6.25	5.83	5.49	5.67	5.44	5.33	7.64	7.16	6.63	6.77	6.06	5.89
Average	7.15	6.28	7.24	6.66	6.12	6.15	6.20	6.05	5.70	7.79	7.59	7.14	7.13	6.71	6.39

Monthly average: 6.84
 Missing data due to equipment change
 Suspect 7/18 data is anomolous

High Falls Discolored Oxygen Summary - August 2007

HHMMSS	08/01/07	08/02/07	08/03/07	08/04/07	08/05/07	08/06/07	08/07/07	08/08/07	08/09/07	08/10/07	08/11/07	08/12/07	08/13/07	08/14/07	08/15/07	08/16/07
0	6.33	6.34	5.95	6.06	6.24	6.23	7.80	8.56	7.44	6.49	5.84	6.32	5.84	6.60	7.01	6.76
10000	6.60	6.40	6.18	5.90	6.27	6.49	7.93	8.84	7.22	6.53	5.86	6.45	5.66	6.54	6.70	6.76
20000	6.33	6.39	6.25	6.16	6.37	6.66	8.26	8.64	7.05	6.59	5.86	6.32	5.57	6.83	6.67	7.11
30000	6.27	6.41	6.23	6.33	6.31	6.22	8.56	8.60	7.00	6.49	5.86	6.41	5.59	6.81	6.49	7.15
40000	6.41	6.35	6.74	6.28	6.22	6.01	8.53	8.66	7.17	5.89	6.03	6.32	5.94	6.61	6.36	7.24
50000	6.37	6.34	6.63	6.26	6.53	6.47	8.59	8.76	7.26	6.42	5.84	6.35	5.86	6.29	6.32	7.55
60000	6.38	6.36	6.69	6.36	6.44	6.54	8.57	8.77	7.50	6.28	6.06	6.08	6.16	6.67	6.49	7.78
70000	6.39	6.52	6.70	6.32	6.49	6.80	8.52	8.82	7.70	6.39	6.15	6.36	6.19	7.03	6.53	7.89
80000	6.54	6.56	6.77	6.13	6.45	6.89	8.56	8.87	7.75	6.37	6.48	6.30	6.58	7.07	6.72	8.02
90000	6.49	6.50	6.88	6.16	6.42	6.82	8.47	8.89	7.73	6.61	6.57	6.64	6.51	7.00	7.02	8.23
100000	6.71	6.63	7.01	6.40	6.44	7.11	8.69	8.90	7.97	6.73	6.40	6.80	6.91	7.87	7.02	8.28
110000	6.72	6.40	5.51	6.43	6.45	7.33	8.73	8.90	7.81	6.51	6.65	7.06	7.22	7.86	7.34	8.36
120000	6.84	6.41	6.52	6.46	6.52	7.16	8.74	8.66	7.48	6.54	6.86	6.97	7.16	7.65	7.60	8.34
130000	7.04	6.43	6.62	6.55	6.35	6.94	8.78	7.66	7.63	6.72	6.72	7.05	7.27	7.38	7.60	8.33
140000	7.43	6.97	6.85	6.63	6.47	7.11	8.78	7.75	7.63	6.59	6.96	7.01	7.27	7.36	7.86	8.30
150000	7.48	6.62	6.57	6.79	6.33	6.26	8.77	7.51	7.06	6.53	7.01	7.08	7.30	7.46	8.04	8.23
160000	7.76	6.90	6.53	6.74	6.43	6.19	8.74	7.82	7.28	6.73	7.84	6.90	7.15	7.31	7.82	8.14
170000	7.83	6.33	6.54	6.96	6.48	5.91	8.73	7.82	7.51	6.53	7.39	6.66	7.05	7.07	7.64	8.15
180000	7.80	6.36	6.41	6.54	6.21	6.13	8.70	7.36	6.37	6.21	7.37	6.20	7.06	7.03	7.38	7.67
190000	7.31	6.31	6.40	6.45	6.25	5.73	8.68	7.56	6.34	5.99	7.23	6.28	6.53	6.84	7.00	7.30
200000	6.86	6.02	6.16	6.22	6.41	5.61	8.58	7.36	6.34	5.55	6.83	6.05	6.25	7.06	6.58	6.90
210000	6.76	6.05	6.08	6.27	6.20	7.44	8.58	6.99	6.32	5.75	6.65	5.91	6.16	7.15	6.51	6.76
220000	6.59	6.19	5.91	6.36	6.43	7.39	8.60	7.07	6.39	5.75	6.83	5.78	6.47	7.03	6.45	6.78
230000	6.34	6.14	5.95	6.33	6.40	8.06	8.58	7.09	6.47	5.87	6.22	5.85	6.82	6.62	6.53	7.06

Daily Max 7.63 6.87 7.01 6.96 6.53 8.06 8.76 8.90 7.97 6.73 7.64 7.08 7.36 7.67 8.04 8.36
 Daily Min 6.27 6.02 5.51 5.90 6.20 5.61 7.80 6.99 6.32 5.55 5.84 5.78 5.57 6.29 6.32 6.76
 Average 6.81 6.41 6.41 6.38 6.38 6.66 8.56 8.15 7.18 6.33 6.56 6.46 6.53 7.02 6.99 7.63

Monthly average: 7.56
 Missing data due to equipment change
 Data missing due to equipment malfunction

High Falls Dissolved Oxygen Summary - August 2007

HH\WSS	08/17/07	08/18/07	08/19/07	08/20/07	08/21/07	08/22/07	08/23/07	08/24/07	08/25/07	08/26/07	08/27/07	08/28/07	08/29/07	08/30/07	08/31/07
0	7.04	8.50	8.63	8.94	8.51	8.66	8.89	8.96	8.32	8.33	7.62	7.48	7.98	7.34	7.96
10000	7.26	8.53	8.04	8.95	8.51	8.66	8.89	8.79	8.47	8.07	7.46	7.74	8.01	7.49	7.67
20000	7.60	8.54	8.66	8.98	8.28	8.64	8.72	8.86	8.53	8.24	8.13	7.88	7.97	7.70	7.89
30000	7.69	8.57	8.71	8.97	8.28	8.67	8.74	8.85	8.56	8.01	7.99	7.93	7.98	7.27	7.97
40000	7.67	8.55	8.64	8.98	8.49	8.61	8.79	8.43	8.24	8.26	7.57	8.03	7.13	7.61	8.16
50000	7.78	8.53	8.65	8.98	8.56	8.70	8.73	8.28	8.01	8.09	7.88	8.03	6.97	7.98	8.19
60000	7.57	8.48	8.71	9.02	8.30	8.71	8.96	8.43	7.94	7.66	7.61	8.08	7.32	7.65	8.13
70000	7.87	8.55	8.62	9.03	8.42	8.75	8.85	8.45	7.92	7.89	7.77	8.13	7.02	7.94	8.22
80000	7.96	8.56	8.73	9.08	8.56	8.66	8.95	8.65	8.12	8.11	7.89	8.00	7.49	8.06	8.27
90000	8.06	8.70	8.87	9.11	8.86	8.68	9.03	8.69	8.22	8.20	7.80	8.12	7.28	7.49	8.26
100000	8.23	8.79	8.94	8.44	8.52	8.68	8.98	8.73	8.23	8.20	8.03	8.04	7.49	8.02	8.30
110000	8.11	8.74	9.04	8.45	8.62	8.74	9.06	8.76	8.42	8.11	8.11	8.19	7.89	8.17	8.36
120000	8.34	8.90	9.07	8.42	8.67	9.01	9.14	8.92	8.18	8.17	8.55	8.06	7.72	7.62	8.15
130000	8.37	8.76	9.05	8.43	8.56	8.85	9.09	8.90	8.47	8.26	8.04	8.09	7.70	7.83	8.22
140000	8.11	8.76	8.90	8.50	8.66	9.03	9.23	9.01	8.48	7.77	8.10	8.13	7.72	7.64	8.28
150000	8.12	8.05	9.04	8.51	8.73	9.04	9.17	9.05	8.60	7.89	5.96	7.81	7.78	7.84	8.28
160000		8.64	9.03	8.41	8.80	9.08	9.07	8.94	8.64	7.68	5.82	7.99	7.78	7.69	8.24
170000		8.54	8.93	8.38	8.84	9.06	8.95	8.74	8.59	7.44	5.23	7.59	7.68	7.87	8.31
180000		8.62	8.92	8.33	8.56	9.07	8.85	8.82	8.50	7.63	5.32	8.01	7.76	7.94	8.28
190000	8.35	8.56	8.91	8.37	8.62	9.01	8.87	8.59	8.44	7.62	5.18	7.94	7.70	7.94	8.11
200000	8.34	8.55	8.87	8.48	8.51	8.87	8.82	8.64	8.31	7.67	5.41	7.88	7.80	7.87	8.07
210000	8.37	8.58	8.93	8.32	8.48	8.82	8.89	8.44	8.51	7.35	7.52	7.96	7.88	7.79	8.15
220000	8.45	8.54	8.94	8.49	8.59	8.83	8.91	8.53	8.21	7.56	7.80	7.94	7.43	7.92	7.97
230000	8.49	8.62	8.92	8.54	8.30	8.83	8.96	8.40	8.14	7.46	7.40	8.01	7.67	8.01	8.09
Daily Max	8.49	8.90	9.07	9.11	8.86	9.08	9.23	9.05	8.64	8.33	8.55	8.19	8.01	8.17	8.36
Daily Min	7.04	8.48	8.63	8.32	8.28	8.61	8.72	8.28	7.92	7.35	5.18	7.46	6.97	7.27	7.87
Average	7.99	8.61	8.86	8.67	8.56	8.82	8.93	8.70	8.33	7.89	7.16	7.90	7.62	7.79	8.16

Monthly average: 7.66
 Missing data due to equipment change
 Data missing due to equipment malfunction

High Falls Discharged Oxygen Summary - September 2007

Time	09/01/07	09/02/07	09/03/07	09/04/07	09/05/07	09/06/07	09/07/07	09/08/07	09/09/07	09/10/07	09/11/07	09/12/07	09/13/07	09/14/07	09/15/07	09/16/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	8.05	8.14	7.83	8.06	7.80	7.93	8.17	8.32	7.50	8.57	8.85	9.17	7.89	7.73	7.84	7.92
20000	8.11	8.09	7.83	8.10	7.89	7.95	8.17	8.34	7.26	8.65	8.83	9.23	7.91	7.74	7.83	7.91
30000	8.08	8.06	7.77	8.07	7.76	7.92	8.19	8.37	7.71	8.65	8.80	9.22	7.87	7.75	7.82	7.91
40000	8.17	8.16	7.81	8.05	7.72	7.99	8.18	8.40	7.71	8.68	8.83	9.23	7.87	7.78	7.78	7.95
50000	8.08	7.83	8.21	8.14	8.01	7.91	8.19	7.08	8.45	8.66	8.84	9.23	7.88	7.78	7.81	7.96
60000	8.17	7.46	8.23	8.06	8.00	7.97	8.20	7.36	8.46	8.66	8.84	9.29	7.87	7.83	7.82	8.00
70000	8.16	7.25	8.25	7.97	8.02	7.91	8.19	7.21	8.46	8.65	8.84	9.31	7.89	7.84	7.81	8.03
80000	8.20	7.20	8.27	8.09	8.06	7.95	8.16	7.46	8.49	8.69	8.85	9.35	7.99	7.85	7.82	8.10
90000	8.19	7.65	8.31	8.04	8.02	8.08	8.18	7.27	8.54	8.72	8.92	9.38	8.07	8.02	7.96	8.24
100000	8.31	7.10	8.35	8.32	7.86	8.12	8.18	7.15	8.58	8.77	8.93	9.38	8.24	8.15	8.13	8.44
110000	8.31	7.26	8.36	8.34	8.03	8.30	8.29	7.46	8.68	8.90	8.95	9.44	8.36	8.23	8.33	8.58
120000	8.28	7.24	8.37	8.36	7.98	8.30	8.24	7.30	8.71	8.87	9.03	9.44	8.45	8.31	8.44	8.70
130000	8.27	7.28	8.37	8.36	8.00	8.30	8.33	7.33	8.72	8.86	9.05	9.44	8.48	8.47	8.48	8.67
140000	8.21	7.12	8.36	8.32	8.07	8.25	8.32	7.50	8.72	8.83	9.05	9.38	8.48	8.47	8.48	8.67
150000	8.18	8.67	8.32	8.28	7.98	8.31	8.38	7.58	8.69	8.84	9.06	9.39	8.47	8.61	8.55	8.78
160000	8.18	7.23	8.34	8.28	8.14	8.28	8.37	7.80	8.64	8.84	9.06	9.34	8.42	8.35	8.42	8.64
170000	8.18	7.18	8.31	8.25	8.12	8.30	8.36	7.81	8.69	8.90	9.14	9.34	8.15	8.30	8.41	8.64
180000	8.25	7.31	8.25	7.89	8.16	8.35	8.35	7.65	8.64	8.94	9.07	9.34	8.52	8.33	8.44	8.41
190000	8.09	7.59	8.21	7.88	8.07	8.30	8.32	7.35	8.65	8.94	9.07	9.28	7.72	8.27	8.30	8.18
200000	8.18	7.28	8.15	7.86	7.97	8.21	8.28	7.41	8.64	8.82	9.08	9.07	7.69	8.12	8.10	7.98
210000	8.18	7.31	8.11	7.82	7.81	8.19	8.24	7.32	8.58	8.79	9.09	9.07	7.97	8.03	7.99	7.88
220000	8.08	7.30	8.14	7.82	7.81	8.16	8.28	7.40	8.66	8.82	9.12	7.94	7.89	7.95	7.96	7.87
230000	8.00	7.61	8.06	7.73	7.98	8.18	8.33	7.10	8.80	8.83	8.18	7.93	7.71	7.87	7.89	7.84
Daily Max	8.31	8.16	8.36	8.36	8.16	8.32	8.36	8.40	8.72	8.94	9.18	9.44	8.48	8.61	8.61	8.78
Daily Min	8.00	8.67	7.63	7.73	7.69	7.91	8.16	7.06	7.28	8.57	8.80	7.93	7.86	7.73	7.78	7.84
Average	8.17	7.42	8.18	8.06	7.97	8.14	8.28	7.55	8.44	8.77	8.89	8.95	8.02	8.05	8.11	8.21
Monthly average:			8.16													
Missing data due to equipment change																

High Falls Dissolved Oxygen Summary - September 2007

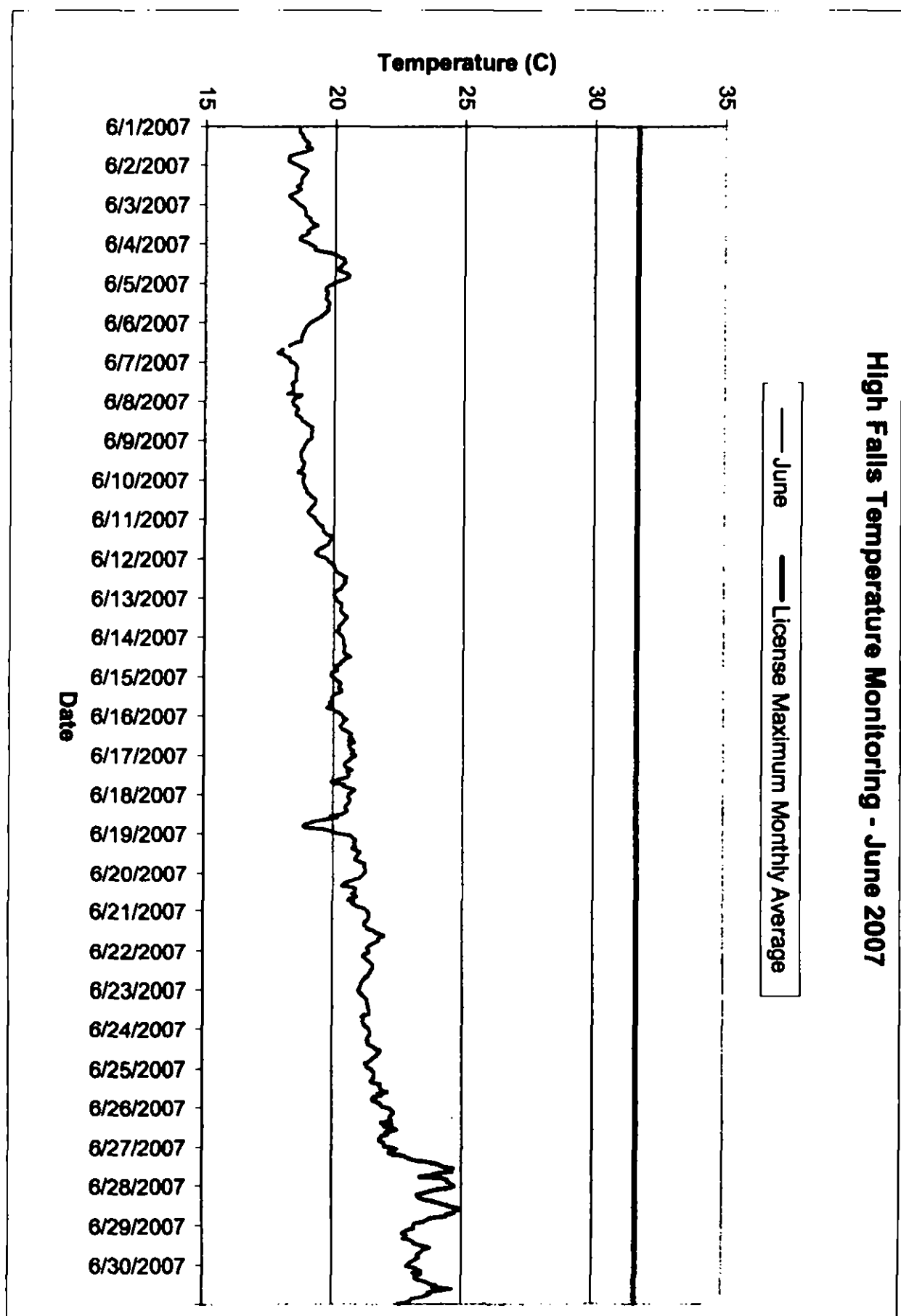
Time	09/17/07	09/18/07	09/19/07	09/20/07	09/21/07	09/22/07	09/23/07	09/24/07	09/25/07	09/26/07	09/27/07	09/28/07	09/29/07	09/30/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	7.83	7.94	7.91	8.04	7.93	7.34	8.24	8.03	7.24	7.97	8.10	8.37	7.93	7.54
20000	7.87	7.94	7.88	8.12	7.91	7.50	8.19	8.03	7.33	8.02	8.07	8.37	7.88	7.49
30000	7.85	7.94	7.87	8.18	7.86	7.56	8.18	8.06	7.36	8.09	8.09	8.35	7.83	7.45
40000	7.86	7.96	7.88	8.11	7.86	7.89	8.23	8.09	7.31	8.18	8.06	8.33	7.80	7.45
50000	7.83	8.02	7.85	8.25	7.79	7.81	8.38	8.16	7.29	8.19	8.08	8.18	7.81	7.46
60000	7.87	7.99	7.82	8.33	7.74	7.86	8.44	8.19	7.30	8.19	8.05	8.15	7.83	7.51
70000	7.83	7.99	7.75	8.38	7.78	8.01	8.50	8.25	7.24	8.20	8.06	8.14	7.83	7.51
80000	7.90	8.00	7.75	8.45	7.81	8.07	8.50	8.26	7.30	8.20	8.09	8.09	7.89	7.51
90000	7.86	8.07	7.80	8.47	7.91	8.16	8.56	8.40	7.42	8.24	8.09	8.19	8.02	7.48
100000	8.09	8.21	7.95	8.72	8.08	8.26	8.82	8.52	7.56	8.36	8.21	8.35	8.19	7.84
110000	8.22	8.34	8.07	8.60	8.23	8.34	8.72	8.60	7.62	8.48	8.26	8.54	8.33	7.68
120000	8.31	8.41	8.32	9.00	8.25	8.41	8.43	8.75	7.71	8.64	8.31	8.65	8.43	7.72
130000	8.27	8.42	8.46	9.02	8.34	8.43	8.79	8.89	7.80	8.68	8.38	8.77	8.40	7.67
140000	8.36	8.48	8.53	8.97	8.23	8.51	8.71	8.94	8.00	8.71	8.37	8.69	8.43	7.75
150000	8.24	8.48	8.55	8.93	8.06	8.57	8.60	8.43	7.99	8.69	8.49	8.60	8.26	7.71
160000	8.30	8.39	8.56	8.88	7.95	8.65	8.52	8.43	7.90	8.73	8.50	8.79	8.06	7.88
170000	8.26	8.34	8.61	8.76	7.80	8.73	8.50	8.24	7.91	8.70	8.47	8.66	7.85	7.71
180000	8.10	8.27	8.57	8.62	7.71	8.77	8.50	8.19	7.96	8.64	8.56	8.62	7.78	7.55
190000	8.03	8.18	8.48	8.39	7.29	8.64	8.33	8.06	7.88	8.51	8.52	8.38	7.74	7.52
200000	7.82	8.03	8.24	8.24	7.26	8.49	8.22	7.90	7.88	8.34	8.56	8.17	7.69	7.42
2100000	7.91	7.95	8.15	8.12	7.23	8.44	8.25	7.79	7.83	8.31	8.52	8.11	7.72	7.37
2200000	7.92	7.95	8.12	8.02	7.26	8.42	8.26	7.89	7.71	8.27	8.46	8.07	7.66	7.36
2300000	7.94	7.98	8.07	7.86	7.23	8.41	8.17	7.44	7.78	8.24	8.42	8.00	7.61	7.31
Daily Max	8.36	8.48	8.61	9.02	8.34	8.77	8.80	8.94	8.00	8.73	8.56	8.68	8.43	7.68
Daily Min	7.83	7.94	7.75	7.86	7.15	7.34	8.09	7.25	7.23	7.97	8.05	7.97	7.57	7.28
Average	8.03	8.14	8.13	8.44	7.78	8.23	8.43	8.18	7.63	8.36	8.30	8.37	7.94	7.64

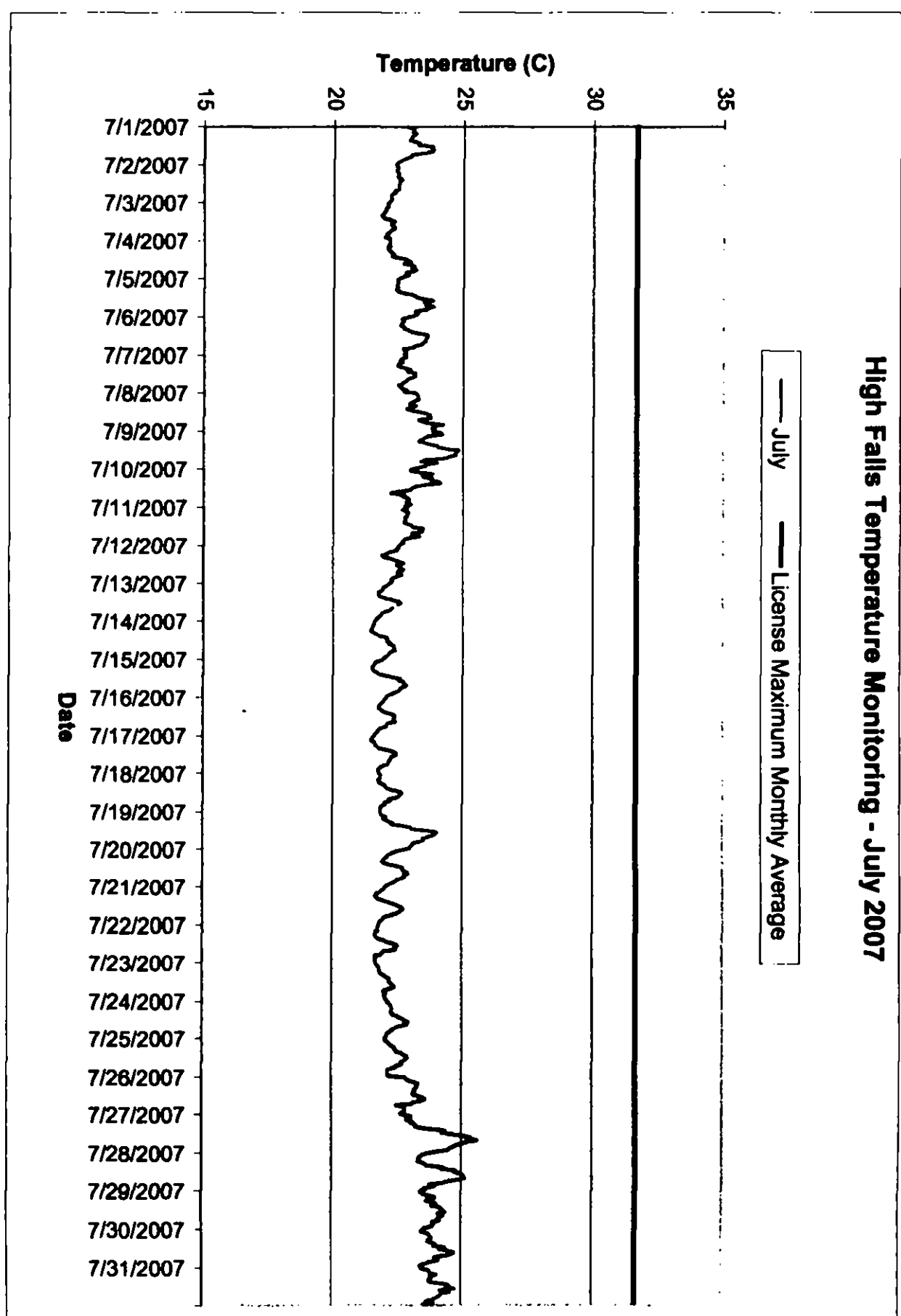
Monthly average: 8.16
 Missing data due to equipment change

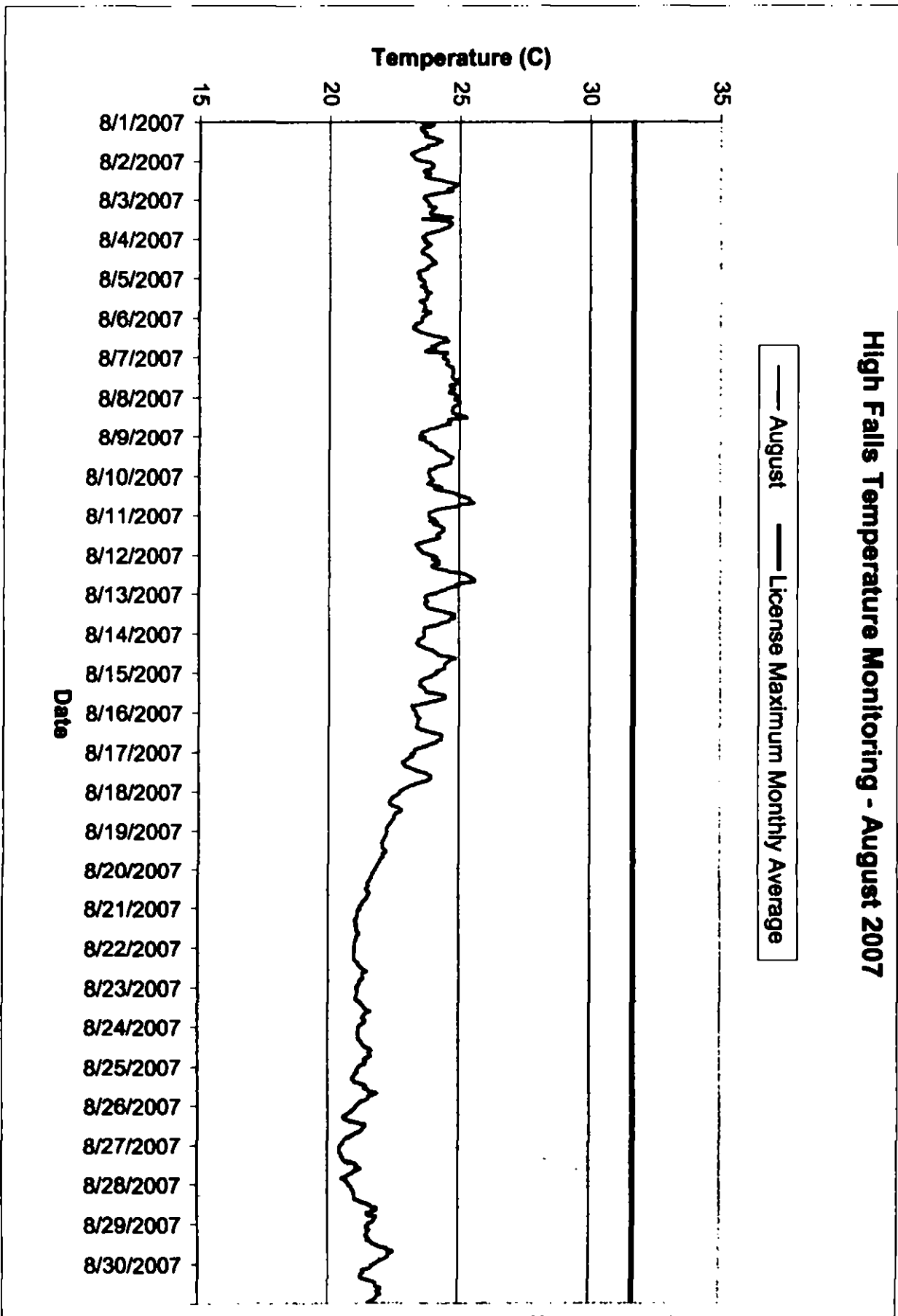
High Falls Hydroelectric Project

FERC #No. 2595

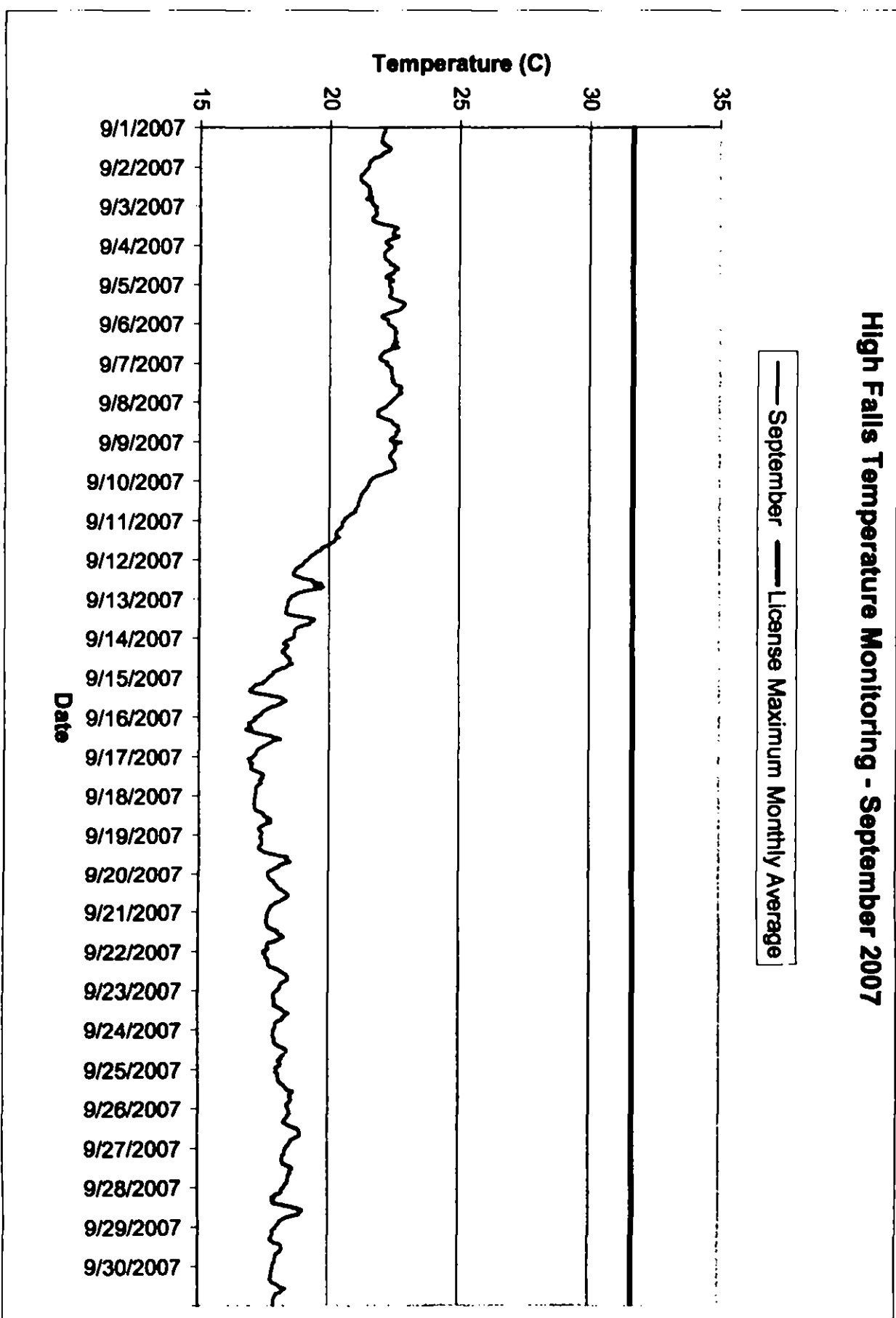
2007 Temperature Monitoring Data







High Falls Temperature Monitoring - September 2007



High Falls Temperature Monitoring - June 2007

Time	06/01/07	06/02/07	06/03/07	06/04/07	06/05/07	06/06/07	06/07/07	06/08/07	06/09/07	06/10/07	06/11/07	06/12/07	06/13/07	06/14/07	06/15/07	06/16/07
HHMASS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	18.58	18.57	18.64	19.02	19.90	18.99	18.37	18.41	18.91	18.78	19.25	19.73	20.08	20.34	19.98	20.35
20000	18.60	18.65	18.75	19.16	19.75	18.93	18.47	18.41	18.91	18.77	19.28	19.78	20.07	20.34	20.04	20.36
30000	18.58	18.79	18.80	19.22	19.66	18.86	18.50	18.41	18.85	18.78	19.33	19.85	20.16	20.36	20.11	20.51
40000	18.58	18.91	18.81	19.18	19.61	18.85	18.53	18.52	18.83	18.83	19.41	19.93	20.27	20.36	20.22	20.36
50000	18.86	18.87	18.83	19.41	19.66	18.82	18.52	18.56	18.80	18.81	19.52	20.01	20.27	20.35	20.28	20.35
60000	18.71	18.82	18.81	19.78	19.73	18.78	18.52	18.57	18.76	18.90	19.57	19.98	20.28	20.40	20.22	20.30
70000	18.68	18.72	18.83	19.96	19.70	18.76	18.49	18.53	18.72	18.90	19.57	20.04	20.24	20.38	20.18	20.24
80000	18.76	18.70	18.83	20.07	19.66	18.72	18.49	18.49	18.69	18.90	19.56	20.04	20.24	20.38	20.18	20.24
90000	18.78	18.68	19.03	20.20	19.65	18.71	18.47	18.51	18.70	18.98	19.62	20.12	20.26	20.36	20.29	20.33
100000	18.89	18.65	19.00	20.35	19.62	18.66	18.46	18.60	18.70	19.04	19.72	20.22	20.32	20.39	20.30	20.48
110000	18.88	18.64	19.08	20.30	19.71	18.70	18.47	18.71	18.70	19.10	19.89	20.33	20.37	20.41	20.15	20.58
120000	18.82	18.49	19.12	20.36	19.12	18.68	18.50	18.75	18.71	19.21	19.82	20.48	20.37	20.41	20.15	20.58
130000	18.82	18.49	19.30	20.25	19.78	18.42	18.34	18.75	18.76	19.26	19.87	20.41	20.48	20.57	20.01	20.67
140000	19.06	18.56	19.19	20.21	19.76	18.32	18.32	18.87	18.83	19.24	19.81	20.37	20.39	20.43	19.90	20.63
150000	19.00	18.66	19.04	20.13	19.68	18.37	18.37	18.93	18.81	19.24	19.79	20.45	20.35	20.42	19.92	20.72
160000	18.86	18.57	18.95	20.04	19.78	18.35	18.35	19.04	18.79	19.19	19.75	20.36	20.32	20.25	19.96	20.56
170000	18.63	18.48	18.96	20.17	19.73	17.97	18.37	19.04	18.74	19.11	19.64	20.31	20.32	20.25	19.84	20.78
180000	18.39	18.31	18.96	20.31	19.64	17.87	18.37	19.14	18.77	19.08	19.54	20.29	20.25	20.15	19.86	20.60
190000	18.20	18.20	18.85	20.47	19.60	17.78	18.33	19.14	18.64	19.03	19.36	20.25	20.17	20.02	19.81	20.60
200000	18.21	18.23	18.68	20.53	19.49	18.00	18.15	19.10	18.57	18.95	19.36	20.11	20.20	20.15	19.73	20.62
210000	18.17	18.32	18.61	20.52	19.44	18.05	18.70	19.06	18.81	18.98	19.27	20.02	20.10	20.14	19.97	20.63
220000	18.19	18.44	18.61	20.38	19.30	18.23	18.64	19.09	18.83	19.03	19.31	19.99	20.16	19.92	20.06	20.74
230000	18.30	18.49	18.78	20.20	19.20	18.21	18.41	19.11	18.80	19.14	19.42	19.98	20.21	19.91	20.20	20.78
Daily Max	18.06	18.91	19.30	20.53	19.90	18.99	18.70	19.14	18.95	19.28	19.82	20.48	20.50	20.65	20.30	20.78
Daily Min	18.17	18.20	18.61	19.02	18.09	17.78	18.15	18.37	18.57	18.77	19.25	19.73	20.07	19.89	19.73	20.24
Average	18.62	18.58	18.89	20.01	19.62	18.49	18.44	18.78	18.77	19.02	19.58	20.13	20.28	20.29	20.06	20.53

Monthly average: 20.54
 License Maximum Monthly Average: 31.67
 Data missing due to equipment malfunction

High Falls Temperature Monitoring - June 2007

Time	06/17/07	06/18/07	06/19/07	06/20/07	06/21/07	06/22/07	06/23/07	06/24/07	06/25/07	06/26/07	06/27/07	06/28/07	06/29/07	06/30/07
HMMASS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	20.85	20.58	20.66	21.16	21.34	21.42	20.98	21.43	21.52	22.19	22.28	22.49	24.73	23.15
20000	20.76	20.57	20.66	21.13	21.41	21.33	21.01	21.45	21.55	22.26	22.48	22.49	24.80	23.17
30000	20.84	20.58	20.71	21.06	21.38	21.21	21.08	21.45	21.62	22.35	22.26	22.26	24.08	23.28
40000	20.59	20.64	20.78	20.99	21.4	21.14	21.15	21.48	21.80	22.35	22.19	22.19	23.78	22.79
50000	20.48	20.63	20.86	20.78	21.37	21.22	21.21	21.41	21.81	22.31	22.34	22.34	23.57	22.68
60000	20.41	20.60	20.78	20.61	21.34	21.3	21.31	21.36	21.60	22.23	22.76	22.76	23.27	22.89
70000	20.42	20.54	20.83	20.46	21.27	21.39	21.31	21.34	21.55	22.19	22.88	22.88	23.32	22.81
80000	20.45	20.47	20.78	20.38	21.22	21.48	21.32	21.40	21.48	22.22	23.02	23.02	23.37	22.73
90000	20.54	20.45	20.66	20.3	21.21	21.52	21.34	21.38	21.58	22.29	23.25	23.25	23.86	22.99
100000	20.70	20.51	20.72	20.74	21.29	21.53	21.38	21.38	21.86	21.89	23.73	23.73	23.90	23.12
110000	20.50	20.54	20.87	20.86	21.36	21.53	21.36	21.51	21.83	22.31	24.04	24.04	24.11	23.13
120000	20.56	20.43	21.03	20.85	21.58	21.45	21.37	21.60	21.85	22.00	24.19	24.19	24.32	23.31
130000	20.58	20.32	20.86	20.85	21.84	21.45	21.42	21.69	21.87	22.24	24.29	24.29	24.51	23.54
140000	20.40	19.89	20.92	20.7	21.82	21.46	21.39	21.86	21.94	22.48	24.70	24.70	24.74	23.78
150000	20.16	20.16	20.87	20.81	21.97	21.39	21.41	21.83	22.13	22.28	24.50	24.50	24.92	23.65
160000	20.15	19.71	20.83	20.91	21.86	21.39	21.19	21.76	21.76	22.03	24.63	24.63	24.72	23.46
170000	19.92	19.30	20.91	20.64	21.74	21.31	21.11	21.74	21.80	22.14	24.03	24.03	24.71	23.41
180000	20.03	19.10	21.09	20.67	21.78	21.23	21.20	21.61	21.59	22.14	23.86	23.86	24.40	23.28
190000	20.44	18.91	21.22	20.81	21.6	21.22	21.18	21.55	21.55	21.88	23.36	23.36	24.39	23.27
200000	20.39	18.84	21.19	20.73	21.5	21.14	21.15	21.46	21.55	21.80	24.22	24.22	23.79	23.36
210000	20.61	18.96	21.19	20.83	21.43	21.11	21.17	21.38	21.71	21.85	24.48	24.48	23.84	23.20
220000	20.83	19.82	21.23	20.92	21.31	21.07	21.20	21.26	21.84	21.99	24.44	24.44	23.55	23.09
230000	20.76	19.86	21.24	21.16	21.34	21.07	21.27	21.32	21.89	21.99	24.53	24.53	23.18	22.97
Average	20.68	20.00	21.24	21.28	21.38	21.03	21.41	21.37	21.91	22.00	24.82	24.82	23.14	22.86
Daily Max	20.85	20.64	21.24	21.28	21.97	21.53	21.42	21.68	22.13	22.48	24.70	24.70	24.82	23.78
Daily Min	19.92	18.84	20.28	20.30	21.21	21.03	20.98	21.26	21.48	21.80	22.19	22.19	23.14	22.66
Monthly Average	20.51	20.05	20.82	20.81	21.48	21.31	21.25	21.50	21.72	22.13	23.63	23.63	24.01	23.15

Monthly average: 21.85
 License Maximum Monthly Average: 31.86
 Data missing due to equipment malfunction

High Falls Temperature Monitoring - July 2007

Time	07/01/07	07/02/07	07/03/07	07/04/07	07/05/07	07/06/07	07/07/07	07/08/07	07/09/07	07/10/07	07/11/07	07/12/07	07/13/07	07/14/07	07/15/07	07/16/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	22.80	22.41	22.04	22.14	22.42	22.80	22.77	23.12	23.81	22.99	22.84	22.50	22.12	21.59	21.88	22.05
20000	23.07	22.48	22.10	22.15	22.47	22.61	22.72	23.21	24.15	22.94	22.64	22.53	22.06	21.57	21.74	22.00
30000	23.05	22.43	22.07	22.09	22.45	22.72	22.62	23.23	24.19	23.30	22.78	22.43	21.82	21.57	21.81	21.85
40000	23.00	22.39	21.98	22.17	22.41	22.83	22.53	23.22	23.67	23.82	22.80	22.46	21.90	21.52	21.57	21.91
50000	23.14	22.46	22.01	22.04	22.42	22.61	22.66	23.26	23.50	23.42	22.80	22.14	21.87	21.51	21.55	21.83
60000	23.05	22.49	21.95	22.09	22.40	22.57	22.49	23.13	23.27	23.48	22.74	22.08	21.76	21.50	21.49	21.78
70000	22.96	22.46	21.89	22.16	22.46	22.71	22.45	22.90	23.49	23.81	22.74	22.83	21.73	21.43	21.50	21.74
80000	22.94	22.44	21.82	22.24	22.46	22.69	22.56	22.90	23.49	23.75	22.73	22.73	21.87	21.53	21.54	21.82
90000	22.88	22.56	21.86	22.30	22.62	22.87	22.78	23.16	23.88	24.04	22.77	22.16	21.85	21.61	21.61	21.87
100000	23.11	22.62	21.93	22.21	22.94	22.98	22.95	22.94	24.00	24.12	24.02	23.51	22.07	21.79	21.78	21.99
110000	23.28	22.50	22.50	22.39	23.12	23.25	22.82	22.79	24.02	23.51	22.85	22.52	22.33	22.09	22.00	22.18
120000	23.22	22.52	22.34	22.76	23.20	23.62	23.13	22.97	24.36	23.14	23.00	22.72	22.51	22.07	22.27	22.37
130000	23.78	22.50	22.23	22.81	23.44	23.59	23.10	23.29	24.83	23.04	23.04	22.85	22.61	22.04	22.80	22.40
140000	23.71	22.49	22.19	22.96	23.83	23.57	23.14	23.55	24.73	22.95	23.46	22.59	22.51	22.04	22.53	22.34
150000	23.81	22.49	22.29	22.67	23.46	23.54	23.01	23.70	24.68	22.46	23.40	22.55	22.47	22.14	22.74	22.31
160000	23.75	22.49	22.34	22.98	23.67	23.54	22.82	23.63	24.72	22.19	23.41	22.71	22.28	22.33	22.72	22.42
170000	23.48	22.32	22.15	23.09	23.51	23.44	22.79	23.75	24.46	22.65	22.99	22.48	22.22	22.33	22.64	22.10
180000	22.98	22.35	22.15	22.96	23.85	23.39	22.65	23.26	24.27	22.85	23.03	22.46	22.10	22.35	22.78	22.07
190000	22.94	22.25	22.12	23.16	23.80	23.17	22.64	23.42	23.63	22.85	23.30	22.64	21.88	22.36	22.59	22.04
200000	22.82	22.18	22.01	23.01	23.59	23.08	22.46	23.63	23.36	22.82	22.85	22.49	21.85	22.19	22.57	21.83
210000	22.64	22.18	22.08	22.75	23.12	22.67	22.59	24.23	24.00	22.81	22.72	22.32	21.78	22.15	22.51	21.76
220000	22.54	22.23	21.94	22.88	23.25	22.80	22.59	23.84	23.54	22.79	22.63	22.27	21.75	22.09	22.36	21.72
230000	22.45	22.18	22.15	22.72	23.21	22.77	22.81	23.78	23.52	22.99	22.69	22.27	21.69	22.00	22.20	21.68
230000	22.39	22.14	22.13	22.57	23.06	22.69	22.69	23.91	23.26	22.73	22.56	22.20	21.64	21.96	22.06	21.65
Daily Max	23.81	22.82	22.34	23.16	23.85	23.62	23.14	24.23	24.83	24.12	23.46	22.72	22.61	22.38	22.84	22.42
Daily Min	22.39	22.14	21.82	22.04	22.40	22.57	22.45	22.79	23.26	22.19	22.56	21.87	21.64	21.43	21.49	21.85
Average	23.07	22.39	22.09	22.56	23.04	23.01	22.74	23.37	23.93	23.14	22.80	22.38	22.01	21.91	22.13	21.99

Monthly average: 22.77
 License Maximum Monthly Average: 31.67
 Missing data due to equipment change

High Falls Temperature Monitoring - July 2007

Time	07/17/07	07/18/07	07/19/07	07/20/07	07/21/07	07/22/07	07/23/07	07/24/07	07/25/07	07/26/07	07/28/07	07/27/07	07/26/07	07/28/07	07/29/07	07/30/07	07/31/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	21.59	21.79	21.85	22.72	22.01	21.78	21.88	22.12	22.05	22.01	22.81	22.76	23.06	23.41	23.60	23.43	23.43
20000	21.54	21.83	21.85	22.44	21.96	21.74	21.72	22.19	22.05	22.05	22.89	23.06	23.46	23.47	23.60	23.73	23.73
30000	21.49	21.82	21.92	22.26	21.89	21.72	21.77	22.25	22.13	22.13	22.96	22.91	23.42	23.55	23.67	23.77	23.77
40000	21.45	21.80	22.07	22.12	21.82	21.74	21.80	22.27	22.20	22.20	23.16	22.88	23.33	23.84	23.76	23.79	23.79
50000	21.58	21.75	21.94	22.12	21.70	21.64	21.82	22.30	22.24	22.24	23.33	23.10	23.36	24.00	23.77	24.06	24.06
60000	21.82	21.75	22.06	22.03	21.68	21.66	21.82	22.30	22.35	22.35	23.29	23.04	23.30	23.75	23.86	23.77	23.77
70000	21.61	21.83	22.14	21.96	21.63	21.65	21.83	22.26	22.43	22.43	23.27	23.23	23.51	23.85	23.61	23.84	23.84
80000	21.70	21.95	22.33	21.90	21.68	21.70	21.91	22.30	22.43	22.43	23.24	23.21	23.59	23.83	23.68	23.74	23.74
90000	21.81	22.03	22.28	22.00	21.84	21.81	22.02	22.31	22.47	22.47	23.16	23.37	23.66	24.03	23.84	23.73	23.73
100000	22.06	22.07	22.73	22.22	22.01	22.00	22.10	22.49	22.66	22.66	23.20	23.82	24.30	23.84	24.01	24.01	23.86
110000	22.30	22.26	23.00	22.50	22.17	22.10	22.21	22.57	22.75	22.75	23.11	24.36	24.20	24.13	23.82	24.36	24.36
120000	22.42	22.51	23.07	22.71	22.38	22.35	22.17	22.71	22.88	22.88	23.13	24.36	24.70	24.78	24.20	24.36	24.36
130000	22.45	22.66	23.60	22.69	22.50	22.52	22.22	22.79	22.86	22.86	23.38	24.59	24.89	24.25	24.37	24.54	24.54
140000	22.28	22.57	24.01	22.72	22.63	22.48	22.26	22.94	22.82	22.82	23.50	24.94	24.91	24.39	24.45	24.74	24.74
150000	22.22	22.55	24.00	22.87	22.71	22.39	22.33	22.78	22.75	22.75	23.61	25.34	25.05	24.09	24.73	24.16	24.16
160000	22.15	22.43	23.90	22.91	22.65	22.44	22.41	22.87	22.64	22.64	23.48	25.16	25.06	24.31	24.62	24.57	24.57
170000	22.13	22.21	23.70	22.75	22.55	21.97	22.21	22.52	22.64	22.64	23.16	25.16	25.11	24.19	24.45	24.24	24.24
180000	22.11	21.96	23.51	22.62	22.26	21.89	22.01	22.41	22.51	22.51	23.07	25.20	24.90	24.08	23.86	24.11	24.11
190000	21.91	22.03	23.37	22.46	22.00	21.67	21.97	22.26	22.16	22.16	22.47	24.79	24.26	24.19	23.95	24.02	24.02
200000	21.82	21.89	23.09	22.41	21.94	21.84	22.00	22.17	22.14	22.14	22.79	24.67	23.75	23.68	23.80	23.86	23.86
210000	21.75	21.83	23.09	22.30	21.86	21.68	22.03	22.11	22.16	22.16	22.80	24.54	23.97	23.80	23.69	23.62	23.62
220000	21.73	21.86	23.00	22.16	21.78	21.66	22.05	22.09	22.15	22.15	22.81	24.48	23.54	23.81	23.39	23.95	23.95
230000	21.75	21.82	22.98	22.06	21.78	21.68	22.09	22.08	22.17	22.17	22.63	23.98	23.61	23.55	23.43	23.51	23.51
Daily Max	22.45	22.86	24.01	22.91	22.71	22.52	22.41	22.94	22.89	22.89	23.61	25.58	25.11	24.39	24.73	24.74	24.74
Daily Min	21.45	21.75	21.65	21.90	21.63	21.64	21.68	22.09	22.01	22.01	22.47	22.76	23.30	23.41	23.36	23.43	23.43
Average	21.80	22.06	22.87	22.41	22.08	21.91	22.02	22.39	22.42	22.42	23.08	24.10	24.08	23.93	23.93	23.93	24.00

Monthly average: 22.77
 License Maximum Monthly Average: 31.86
 Missing data due to equipment change

High Falls Temperature Monitoring - August 2007

Time	08/01/07	08/02/07	08/03/07	08/04/07	08/05/07	08/06/07	08/07/07	08/08/07	08/09/07	08/10/07	08/11/07	08/12/07	08/13/07	08/14/07	08/15/07	08/16/07
H1MMASS	23.51	23.83	23.73	23.70	23.49	23.54	24.35	24.81	23.64	23.85	23.82	23.97	23.88	23.67	24.16	23.34
0	23.96	23.91	23.79	23.63	23.82	23.55	24.47	24.80	23.44	23.92	23.84	23.97	23.69	23.64	23.98	23.34
10000	23.87	23.98	23.83	23.81	23.82	23.82	24.55	24.97	23.65	23.99	24.03	23.93	23.68	23.68	23.98	23.36
20000	23.46	23.82	23.77	23.86	23.63	23.28	24.54	25.00	23.71	23.86	23.84	24.19	23.75	23.43	23.70	23.48
30000	23.49	23.83	24.06	23.74	23.48	23.32	24.48	24.90	23.90	23.78	24.15	24.12	23.79	23.43	23.52	23.41
40000	23.55	23.57	23.99	23.96	23.68	23.20	24.60	24.76	23.86	23.95	23.97	24.21	23.66	23.96	23.46	23.41
50000	23.66	23.61	23.80	23.55	23.65	23.31	24.74	24.71	24.05	24.03	24.17	23.92	23.71	23.37	23.53	23.41
60000	23.64	23.84	23.84	23.82	23.66	23.27	24.73	24.69	24.13	24.24	24.30	24.14	23.82	23.63	23.46	23.37
70000	23.84	23.72	23.85	23.53	23.87	23.48	24.75	24.71	24.36	24.61	24.40	24.14	23.82	23.63	23.56	23.36
80000	23.82	23.67	24.13	23.70	23.72	23.69	24.75	24.69	24.13	24.24	24.40	24.14	24.05	23.74	23.67	23.40
90000	24.14	23.88	24.68	23.78	23.75	23.89	24.72	24.88	24.46	24.93	24.29	24.61	24.37	23.98	23.68	23.56
100000	24.27	24.20	23.54	23.87	23.69	24.17	24.70	25.14	24.52	24.84	24.14	25.10	24.59	24.03	23.70	23.77
110000	24.10	24.46	24.45	23.90	23.70	24.50	24.70	25.27	24.59	24.93	24.29	25.10	24.82	24.16	24.05	23.99
120000	24.04	24.88	24.65	24.01	23.43	24.39	24.74	24.56	24.75	25.36	24.23	25.39	24.70	24.20	24.38	24.29
130000	23.70	24.92	24.68	24.07	23.53	24.56	24.91	24.64	24.85	25.36	24.10	25.49	24.82	24.59	24.46	24.36
140000	23.74	24.81	24.57	23.91	23.62	24.22	24.91	24.80	24.67	25.44	23.76	25.57	24.62	24.85	24.42	24.30
150000	23.45	24.70	24.56	23.76	23.66	24.13	24.85	24.81	24.85	25.44	23.76	25.57	24.62	24.85	24.42	24.30
160000	23.32	24.51	24.35	23.82	23.66	24.06	24.69	24.25	24.48	25.54	23.56	25.55	24.59	24.64	24.24	24.33
170000	23.22	24.72	24.21	23.63	23.80	24.06	24.69	24.13	24.11	24.92	23.32	25.05	24.27	24.59	24.24	24.16
180000	23.06	24.28	23.97	23.42	23.57	23.83	24.77	23.80	24.07	24.82	23.40	24.81	24.20	24.49	23.70	24.13
190000	23.17	23.93	23.73	23.34	23.87	23.67	24.63	23.73	23.84	24.10	23.45	24.86	23.88	24.43	23.41	23.88
200000	23.21	23.65	23.63	23.43	23.72	24.52	24.67	23.50	23.80	23.96	23.51	24.48	23.66	24.43	23.22	23.76
210000	23.24	23.59	23.55	23.46	23.66	24.42	24.82	23.53	23.82	23.81	23.56	24.23	23.62	24.28	23.22	23.56
220000	23.48	23.64	23.57	23.40	23.57	24.39	24.88	23.45	23.85	23.83	23.79	24.14	23.68	24.10	23.33	23.28
230000																
Daily Max	24.27	24.92	24.68	24.07	23.87	24.56	24.91	25.27	24.75	25.54	24.40	26.57	24.82	24.85	24.46	24.36
Daily Min	23.06	23.57	23.54	23.34	23.43	23.20	24.35	23.45	23.44	23.76	23.32	23.92	23.62	23.36	23.17	23.26
Average	23.62	24.08	24.04	23.89	23.64	23.87	24.68	24.50	24.11	24.47	23.90	24.59	24.05	24.02	23.75	23.69

Monthly average: 22.85
 License Maximum Monthly Average: 31.67
 Missing data due to equipment change

High Falls Temperature Monitoring - August 2007

Time	08/17/07	08/18/07	08/19/07	08/20/07	08/21/07	08/22/07	08/23/07	08/24/07	08/25/07	08/26/07	08/27/07	08/28/07	08/29/07	08/30/07	08/31/07
HHMMSS	08/17/07	08/18/07	08/19/07	08/20/07	08/21/07	08/22/07	08/23/07	08/24/07	08/25/07	08/26/07	08/27/07	08/28/07	08/29/07	08/30/07	08/31/07
0	23.31	22.71	22.23	21.75	21.23	21.00	21.04	21.17	21.17	21.07	20.47	20.80	21.54	21.64	21.46
10000	23.16	22.70	22.21	21.74	21.12	21.00	21.11	21.17	21.13	21.02	20.45	20.89	21.44	21.65	21.38
20000	23.24	22.60	22.19	21.68	21.11	20.99	21.09	21.16	21.06	20.96	20.44	20.91	21.49	21.57	21.31
30000	23.12	22.51	22.17	21.67	21.11	20.98	21.08	21.14	21.12	20.89	20.46	20.94	21.59	21.28	21.26
40000	23.01	22.41	22.11	21.65	21.10	20.98	21.07	21.13	21.02	20.79	20.46	20.88	21.48	21.35	21.31
50000	22.95	22.37	22.11	21.62	21.08	20.98	21.04	21.17	21.01	20.71	20.52	21.01	21.51	21.32	21.27
60000	22.83	22.34	22.05	21.58	21.07	20.98	21.04	21.16	20.94	20.60	20.51	21.01	21.43	21.22	21.22
70000	22.90	22.34	22.03	21.56	21.00	20.99	21.02	21.16	20.93	20.57	20.55	21.02	21.48	21.20	21.15
80000	22.91	22.41	22.05	21.51	21.05	21.05	21.17	21.23	20.96	20.66	20.59	21.01	21.47	21.49	21.48
90000	23.06	22.61	22.05	21.49	21.07	21.14	21.24	21.27	21.01	20.89	20.81	21.13	21.47	21.72	21.71
100000	23.29	22.72	22.04	21.54	21.03	21.12	21.31	21.30	21.23	21.16	20.78	21.25	21.65	21.72	21.71
110000	23.41	22.78	22.14	21.47	21.09	21.21	21.36	21.36	21.39	21.42	21.05	21.46	21.67	21.94	21.88
120000	23.69	22.75	22.20	21.44	21.07	21.27	21.39	21.43	21.44	21.41	21.11	21.59	21.83	21.84	21.80
130000	23.80	22.58	22.16	21.49	21.07	21.34	21.47	21.60	21.36	21.32	21.06	21.67	21.94	21.83	22.06
140000	23.82	22.51	22.04	21.56	21.15	21.45	21.61	21.85	21.53	21.30	21.26	21.88	22.23	22.02	22.15
150000	23.92	22.48	22.08	21.55	21.16	21.31	21.47	21.64	21.55	21.23	21.10	21.84	22.26	22.01	22.04
160000	23.90	22.50	22.02	21.50	21.08	21.30	21.40	21.59	21.87	21.06	20.99	21.73	22.50	21.96	22.04
170000	23.76	22.43	21.96	21.47	21.08	21.29	21.35	21.64	21.71	20.97	20.89	21.48	22.35	21.94	22.00
180000	23.52	22.40	21.94	21.43	21.05	21.33	21.30	21.56	21.53	20.88	20.75	21.52	22.28	22.03	21.90
190000	23.31	22.36	21.92	21.38	21.03	21.25	21.35	21.37	21.54	20.70	20.83	21.85	22.27	21.87	21.83
200000	23.17	22.29	21.87	21.30	21.01	21.18	21.44	21.45	21.46	20.63	20.54	21.76	22.15	21.88	21.91
210000	23.06	22.25	21.86	21.29	21.01	21.18	21.39	21.37	21.29	20.60	20.72	21.78	22.01	21.82	21.86
220000	22.91	22.22	21.83	21.23	20.99	21.14	21.31	21.43	21.18	20.59	20.73	21.70	21.88	21.68	22.47
230000	22.81	22.22	21.80	21.17	21.00	21.10	21.21	21.22	21.14	20.52	20.78	21.54	21.84	21.55	22.19
Daily Max	23.92	22.78	22.23	21.75	21.23	21.45	21.61	21.65	21.87	21.42	21.25	21.88	22.50	22.03	22.47
Daily Min	22.81	22.22	21.80	21.17	20.99	20.98	21.02	21.13	20.93	20.52	20.44	20.80	21.43	21.20	21.15
Average	23.29	22.48	22.04	21.50	21.07	21.15	21.28	21.34	21.27	20.92	20.73	21.36	21.83	21.68	21.71

Monthly average: 22.85
 License Maximum Monthly Average: 31.86
 Missing data due to equipment change

High Falls Temperature Monitoring - September 2007

Time	09/01/07	09/02/07	09/03/07	09/04/07	09/05/07	09/06/07	09/07/07	09/08/07	09/09/07	09/10/07	09/11/07	09/12/07	09/13/07	09/14/07	09/15/07	09/16/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	22.10	21.46	21.79	22.35	22.27	22.26	22.34	22.34	22.36	22.14	22.33	22.46	22.74	22.53	20.38	19.11
20000	22.07	21.41	21.71	22.28	22.34	22.36	22.22	22.26	22.45	22.19	22.51	22.48	21.50	20.48	19.02	18.40
30000	22.09	21.33	21.75	22.19	22.38	22.45	22.30	22.19	22.51	22.19	22.51	22.48	21.50	20.51	18.99	18.38
40000	22.03	21.30	21.78	22.13	22.32	22.51	22.37	22.14	22.48	22.14	22.48	21.44	20.49	20.49	18.92	18.40
50000	22.01	21.24	21.78	22.08	22.38	22.48	22.32	21.97	22.52	22.52	21.41	20.44	20.44	20.44	18.82	18.36
60000	21.99	21.18	21.74	22.09	22.34	22.48	22.35	21.87	22.47	22.47	21.37	20.37	20.37	20.37	18.70	18.68
70000	21.98	21.18	21.66	22.09	22.28	22.51	22.35	21.83	22.40	22.40	21.28	20.29	20.29	20.29	18.68	18.35
80000	21.97	21.15	21.61	22.09	22.27	22.48	22.36	21.89	22.36	22.36	21.25	20.27	20.27	20.27	18.63	18.32
90000	21.83	21.20	21.61	22.12	22.38	22.51	22.38	21.84	22.31	22.31	21.19	20.23	20.23	20.23	18.60	18.30
100000	22.03	21.23	21.73	22.22	22.54	22.53	22.35	22.00	22.28	22.28	21.19	20.28	20.28	20.28	18.65	18.42
110000	22.08	21.36	21.91	22.28	22.70	22.47	22.43	22.12	22.33	22.33	21.14	20.38	20.38	20.38	18.71	18.33
120000	22.23	21.40	22.45	22.31	22.86	22.58	22.38	22.42	22.42	22.42	21.13	20.21	20.21	20.21	19.00	19.13
130000	22.32	21.51	22.46	22.46	22.87	22.45	22.44	22.42	22.42	22.42	21.10	20.21	20.21	20.21	19.37	19.41
140000	22.21	21.50	22.46	22.54	22.80	22.39	22.50	22.44	22.50	22.50	21.07	20.10	20.10	20.10	19.35	19.38
150000	22.05	21.48	22.46	22.62	22.75	22.63	22.71	22.64	22.50	22.50	21.10	20.02	20.02	20.02	19.89	19.23
160000	22.21	21.48	22.45	22.46	22.66	22.34	22.76	22.80	22.49	22.49	21.04	19.91	19.91	19.91	19.40	19.22
170000	21.89	21.48	22.38	22.46	22.25	22.20	22.68	22.65	22.46	22.46	21.03	19.74	19.74	19.74	19.40	18.95
180000	21.89	21.51	22.43	22.35	22.25	22.05	22.67	22.64	22.52	22.52	20.89	19.67	19.67	19.67	19.40	18.77
190000	21.69	21.80	22.62	22.19	22.07	21.89	22.77	22.53	22.27	22.27	21.01	19.63	19.63	19.63	19.27	18.71
200000	21.60	21.37	22.46	22.14	21.97	21.95	22.65	22.57	22.08	22.08	20.88	19.47	19.47	19.47	18.94	18.67
210000	21.52	21.56	22.26	22.31	22.06	21.89	22.59	22.52	21.83	21.83	20.78	19.41	19.41	19.41	18.74	18.68
220000	21.51	21.61	22.44	22.28	22.23	21.91	22.51	22.41	21.76	21.76	20.69	19.30	19.30	19.30	18.67	18.63
230000	21.49	21.61	22.13	22.26	22.23	21.98	22.45	22.33	21.66	21.66	20.62	19.26	19.26	19.26	18.50	18.67
Daily Max	22.32	21.70	22.62	22.62	22.62	22.63	22.77	22.65	22.74	22.74	21.53	20.56	19.76	19.41	18.34	18.12
Daily Min	21.49	21.15	21.61	22.06	21.97	21.89	22.14	21.83	21.57	20.59	19.18	18.50	18.30	17.70	18.96	16.79
Average	21.94	21.41	22.08	22.28	22.40	22.32	22.46	22.29	22.31	21.12	20.02	18.99	18.69	18.25	17.57	17.30

Monthly average: 19.44
 License Maximum Monthly Average: 31.67
 Missing data due to equipment change

High Falls Temperature Monitoring - September 2007

Time	09/17/07	09/18/07	09/19/07	09/20/07	09/21/07	09/22/07	09/23/07	09/24/07	09/25/07	09/26/07	09/27/07	09/28/07	09/29/07	09/30/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	17.09	17.16	17.38	17.65	17.67	17.46	17.97	17.89	18.01	18.45	18.37	18.28	17.97	17.67
20000	16.91	17.15	17.34	17.68	17.64	17.57	17.82	17.89	17.97	18.49	18.33	18.21	17.89	17.84
30000	17.00	17.14	17.39	17.72	17.84	17.66	17.88	17.89	18.06	18.48	18.35	18.22	17.82	17.86
40000	16.95	17.13	17.42	17.75	17.84	17.56	17.87	17.87	18.06	18.52	18.34	18.19	17.85	17.81
50000	17.06	17.12	17.42	17.88	17.61	17.66	17.93	17.91	18.06	18.46	18.27	18.00	17.86	17.82
60000	17.01	17.12	17.40	17.91	17.60	17.66	17.95	17.93	18.09	18.44	18.27	17.97	17.82	17.80
70000	17.05	17.13	17.34	17.95	17.82	17.67	17.91	17.93	18.08	18.39	18.23	17.85	17.81	17.81
80000	17.00	17.14	17.29	18.01	17.63	17.69	17.94	17.93	18.12	18.35	18.22	17.94	17.76	17.78
90000	17.09	17.16	17.30	18.03	17.67	17.69	17.90	17.97	18.19	18.29	18.27	17.86	17.84	17.61
100000	17.23	17.27	17.42	18.09	17.76	17.77	18.04	18.04	18.28	18.39	18.27	17.88	17.82	17.85
110000	17.39	17.43	17.52	18.22	17.94	17.96	18.17	18.17	18.32	18.47	18.42	18.14	18.13	17.98
120000	17.49	17.50	17.77	18.29	18.06	18.10	18.26	18.31	18.36	18.65	18.56	18.42	18.21	18.10
130000	17.41	17.50	18.04	18.41	18.03	18.16	18.32	18.39	18.41	18.65	18.63	18.42	18.21	18.15
140000	17.46	17.64	18.41	18.47	18.17	18.26	18.49	18.40	18.63	18.90	18.54	18.90	18.22	18.37
150000	17.33	17.78	18.33	18.42	18.27	18.36	18.33	18.30	18.60	18.93	18.54	19.02	18.17	18.21
160000	17.40	17.62	18.39	18.34	18.17	18.42	18.31	18.30	18.51	18.93	18.56	18.87	18.11	18.21
170000	17.39	17.77	18.39	18.22	18.07	18.44	18.26	18.18	18.46	18.92	18.46	18.90	18.00	18.01
180000	17.27	17.53	18.24	18.11	17.93	18.41	18.21	18.21	18.54	18.81	18.49	18.60	17.98	17.97
190000	17.22	17.44	18.08	17.85	17.67	18.31	18.04	18.09	18.57	18.68	18.45	18.36	17.97	17.95
200000	17.19	17.32	18.05	17.87	17.68	18.19	17.98	18.08	18.53	18.58	18.47	18.24	17.95	17.91
210000	17.16	17.29	17.89	17.78	17.62	18.15	17.98	18.17	18.50	18.54	18.44	18.12	17.97	17.91
220000	17.20	17.36	17.81	17.77	17.67	18.12	17.98	18.15	18.41	18.51	18.43	18.12	17.92	17.90
230000	17.18	17.42	17.69	17.71	17.65	18.11	17.95	18.06	18.39	18.47	18.36	18.03	17.88	17.90
Average	17.17	17.41	17.67	17.89	17.50	18.05	17.92	17.98	18.44	18.40	18.33	18.00	17.89	17.90
Daily Max	17.49	17.78	18.51	18.47	18.27	18.44	18.49	18.40	18.63	18.93	18.63	19.02	18.22	18.37
Daily Min	16.91	17.12	17.29	17.65	17.50	17.49	17.87	17.87	17.87	18.28	18.22	17.85	17.76	17.76
Monthly Average	17.20	17.36	17.75	18.00	17.79	17.98	18.06	18.08	18.32	18.59	18.40	18.26	17.98	17.95

Monthly average: 18.44
 License Maximum Monthly Average: 31.66
 Missing data due to equipment change

High Falls Hydroelectric Project

FERC #No. 2595

2007 pH Monitoring Data

High Falls pH Monitoring - June 2007

Time	08/01/07	08/02/07	08/03/07	08/04/07	08/05/07	08/06/07	08/07/07	08/08/07	08/09/07	08/10/07	08/11/07	08/12/07	08/13/07	08/14/07	08/15/07	08/16/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	7.68	7.61	7.60	7.60	7.72	7.74	7.98	7.97	8.11	8.00	8.05	7.61	7.55	7.58	7.44	7.41
20000	7.66	7.63	7.60	7.63	7.70	7.73	8.00	7.98	8.09	8.00	8.06	7.54	7.57	7.53	7.48	7.42
30000	7.68	7.64	7.61	7.63	7.69	7.72	8.02	7.98	8.08	8.00	8.06	7.64	7.57	7.54	7.47	7.44
40000	7.62	7.66	7.61	7.62	7.70	7.72	8.03	8.01	8.09	8.02	8.06	7.94	7.59	7.52	7.45	7.43
50000	7.65	7.64	7.61	7.62	7.71	7.73	8.04	8.03	8.09	8.01	8.09	7.58	7.62	7.53	7.50	7.41
60000	7.65	7.63	7.61	7.63	7.73	7.73	8.03	8.03	8.08	8.02	8.15	7.57	7.60	7.53	7.47	7.40
70000	7.66	7.61	7.61	7.70	7.74	7.73	8.02	8.02	8.07	8.03	8.14	7.58	7.63	7.56	7.48	7.40
80000	7.67	7.61	7.62	7.75	7.85	7.71	8.04	8.03	8.06	8.04	8.12	7.60	7.66	7.54	7.48	7.39
90000	7.67	7.61	7.60	7.82	7.85	7.70	8.02	8.05	8.06	8.07	8.11	7.57	7.59	7.55	7.47	7.42
100000	7.68	7.60	7.64	7.82	7.85	7.70	8.02	8.10	8.05	8.08	8.10	7.61	7.57	7.52	7.47	7.42
110000	7.68	7.60	7.64	7.78	7.85	7.71	8.02	8.13	8.04	8.08	8.10	7.57	7.55	7.52	7.45	7.42
120000	7.64	7.59	7.63	7.81	7.89	7.71	8.00	8.14	8.03	8.09	8.09	7.57	7.55	7.51	7.41	7.41
130000	7.63	7.59	7.62	7.78	7.82	7.64	7.98	8.15	8.05	8.07	8.08	7.58	7.56	7.51	7.41	7.42
140000	7.65	7.59	7.62	7.78	7.80	7.60	7.98	8.15	8.05	8.07	8.04	7.58	7.56	7.49	7.38	7.42
150000	7.65	7.61	7.60	7.78	7.88	7.59	7.98	8.17	8.05	8.07	7.66	7.58	7.52	7.47	7.41	7.42
160000	7.66	7.61	7.59	7.73	7.90	7.96	7.97	8.19	8.06	8.05	7.68	7.59	7.53	7.47	7.39	7.41
170000	7.63	7.56	7.59	7.77	7.88	7.96	7.98	8.22	8.02	8.03	7.64	7.63	7.55	7.50	7.40	7.44
180000	7.60	7.56	7.56	7.81	7.65	7.91	7.98	8.18	8.02	8.03	7.60	7.63	7.55	7.48	7.41	7.43
190000	7.56	7.54	7.57	7.85	7.84	7.94	7.97	8.16	7.99	8.02	7.58	7.58	7.53	7.47	7.39	7.42
200000	7.56	7.54	7.54	7.87	7.83	7.93	7.94	8.15	7.97	8.01	7.55	7.53	7.55	7.50	7.39	7.41
210000	7.56	7.56	7.54	7.88	7.83	7.92	8.04	8.14	8.02	8.01	7.45	7.56	7.51	7.50	7.42	7.41
220000	7.58	7.56	7.54	7.83	7.80	7.94	8.02	8.15	8.01	8.02	7.50	7.56	7.55	7.44	7.42	7.41
230000	7.58	7.58	7.57	7.78	7.78	7.95	7.98	8.14	8.00	8.03	7.53	7.57	7.55	7.47	7.43	7.39
Daily Max	7.68	7.66	7.64	7.88	7.92	7.98	8.04	8.22	8.11	8.09	8.15	7.64	7.63	7.58	7.50	7.44
Daily Min	7.56	7.54	7.54	7.60	7.66	7.59	7.94	7.97	7.97	8.00	7.45	7.54	7.51	7.44	7.38	7.39
Average	7.63	7.60	7.60	7.75	7.81	7.78	8.00	8.10	8.05	8.04	7.87	7.59	7.56	7.51	7.43	7.41

Monthly average: 7.64

Data missing due to equipment malfunction

High Field pH Monitoring - June 2007

Time	06/17/07	06/18/07	06/19/07	06/20/07	06/21/07	06/22/07	06/23/07	06/24/07	06/25/07	06/26/07	06/28/07	06/27/07	06/28/07	06/29/07	06/30/07
HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	7.41	7.40	7.51	7.52	7.44	7.34	7.45	7.51	7.49	7.41	7.39	7.39	7.66	7.70	7.72
20000	7.40	7.40	7.56	7.48	7.42	7.39	7.48	7.52	7.46	7.42	7.42	7.42	7.85	7.75	7.78
30000	7.37	7.39	7.56	7.47	7.47	7.39	7.50	7.50	7.49	7.43	7.37	7.37	7.72	7.69	7.75
40000	7.36	7.39	7.51	7.51	7.49	7.32	7.51	7.51	7.48	7.42	7.36	7.36	7.69	7.67	7.81
50000	7.37	7.37	7.52	7.43	7.49	7.34	7.54	7.50	7.48	7.42	7.53	7.53	7.74	7.64	7.72
60000	7.33	7.40	7.52	7.49	7.46	7.33	7.55	7.51	7.47	7.41	7.59	7.59	7.66	7.69	7.85
70000	7.36	7.36	7.54	7.47	7.50	7.37	7.54	7.49	7.49	7.40	7.62	7.62	7.72	7.69	7.82
80000	7.35	7.35	7.54	7.45	7.49	7.39	7.54	7.51	7.45	7.42	7.70	7.70	7.78	7.63	7.84
90000	7.40	7.37	7.54	7.34	7.51	7.39	7.54	7.49	7.44	7.42	7.66	7.66	7.75	7.71	7.82
100000	7.36	7.39	7.52	7.40	7.53	7.38	7.55	7.47	7.86	7.39	7.78	7.78	7.91	7.67	7.86
110000	7.38	7.37	7.57	7.36	7.54	7.41	7.54	7.50	7.49	7.52	7.76	7.76	7.94	7.65	7.89
120000	7.36	7.36	7.55	7.35	7.48	7.45	7.52	7.50	7.49	7.41	7.88	7.88	7.99	7.70	7.95
130000	7.35	7.32	7.56	7.36	7.51	7.46	7.52	7.54	7.47	7.46	7.71	7.71	8.01	7.77	7.85
140000	7.33	7.32	7.53	7.33	7.53	7.42	7.52	7.56	7.45	7.47	7.81	7.81	8.06	7.92	7.87
150000	7.33	7.28	7.53	7.39	7.51	7.37	7.52	7.46	7.47	7.48	7.81	7.81	8.10	7.84	8.01
160000	7.30	7.28	7.51	7.34	7.48	7.45	7.49	7.49	7.40	7.42	7.85	7.85	7.98	7.79	7.91
170000	7.36	7.24	7.49	7.36	7.43	7.44	7.43	7.48	7.46	7.45	7.72	7.72	7.95	7.76	7.77
180000	7.36	7.24	7.54	7.31	7.43	7.44	7.54	7.48	7.46	7.42	7.74	7.74	7.98	7.80	7.78
190000	7.41	7.23	7.52	7.41	7.40	7.46	7.49	7.47	7.40	7.42	7.55	7.55	7.86	7.81	7.77
200000	7.39	7.31	7.53	7.40	7.39	7.47	7.47	7.45	7.42	7.42	7.82	7.82	7.77	7.88	7.78
210000	7.39	7.41	7.39	7.39	7.36	7.45	7.46	7.46	7.44	7.41	7.78	7.78	7.69	7.80	7.70
220000	7.42	7.44	7.53	7.37	7.33	7.48	7.46	7.42	7.42	7.42	7.78	7.78	7.71	7.76	7.72
230000	7.41	7.47	7.49	7.40	7.36	7.45	7.47	7.47	7.41	7.41	7.78	7.78	7.68	7.74	7.74
Daily Max	7.42	7.47	7.57	7.52	7.54	7.47	7.55	7.56	7.66	7.52	7.66	7.66	8.10	7.82	8.01
Daily Min	7.30	7.23	7.39	7.31	7.33	7.32	7.43	7.42	7.37	7.38	7.36	7.36	7.69	7.63	7.62
Average	7.37	7.35	7.52	7.41	7.45	7.41	7.51	7.49	7.48	7.43	7.67	7.67	7.83	7.74	7.80

Monthly average: 7.64

██████████ Data missing due to equipment malfunction

High Falls pH Monitoring - July 2007

Time	07/01/07	07/02/07	07/03/07	07/04/07	07/05/07	07/06/07	07/07/07	07/08/07	07/09/07	07/10/07	07/11/07	07/12/07	07/13/07	07/14/07	07/15/07	07/16/07
HHMASS	7.71	7.77	7.87	7.86	7.72	7.85	7.86	7.75	7.69	7.63	7.68	7.66	7.74	7.33	7.66	7.55
0	7.81	7.81	7.87	7.84	7.76	7.75	7.85	7.76	7.78	7.62	7.65	7.66	7.79	7.42	7.67	7.57
10000	7.63	7.72	7.85	7.61	7.62	7.79	7.74	7.75	7.74	7.62	7.71	7.66	7.72	7.72	7.67	7.53
20000	7.84	7.71	7.82	7.81	7.78	7.78	7.79	7.74	7.69	7.67	7.79	7.64	7.75	7.37	7.57	7.51
30000	7.92	7.76	7.85	7.70	7.83	7.79	7.87	7.73	7.73	7.66	7.70	7.64	7.72	7.36	7.48	7.50
40000	7.93	7.76	7.85	7.82	7.82	7.79	7.79	7.71	7.66	7.69	7.72	7.62	7.66	7.41	7.53	7.51
50000	7.82	7.78	7.83	7.84	7.93	7.90	7.72	7.72	7.64	7.74	7.67	7.59	7.72	7.33	7.51	7.41
60000	7.94	7.75	7.77	7.90	7.80	7.89	7.80	7.79	7.71	7.71	7.69	7.61	7.72	7.45	7.47	7.62
70000	7.89	7.83	7.81	7.90	7.87	7.89	7.78	7.79	7.71	7.84	7.70	7.85	7.66	7.35	7.51	7.61
80000	7.93	7.88	7.86	7.80	7.97	7.89	7.77	7.73	7.77	7.83	7.65	7.64	7.73	7.35	7.50	7.57
90000	7.90	7.77	7.88	7.77	8.05	7.85	7.78	7.82	7.69	7.71	7.69	7.72	7.77	7.63	7.56	7.67
100000	7.86	7.76	7.89	7.89	7.96	7.91	7.82	7.71	7.76	7.73	7.69	7.70	7.71	7.81	7.77	7.74
110000	8.00	7.77	7.94	7.92	7.97	7.90	7.92	7.81	7.84	7.76	7.72	7.76	7.72	7.81	7.77	7.69
120000	8.01	7.82	7.89	7.82	7.92	7.94	7.78	7.75	7.77	7.72	7.71	7.71	7.72	7.79	7.65	7.78
130000	8.06	7.98	7.94	7.82	7.94	7.93	7.76	7.75	7.77	7.53	7.74	7.72	7.71	7.45	7.69	7.87
140000	8.00	7.83	8.06	7.86	7.88	8.00	7.78	7.85	7.81	7.49	7.74	7.77	7.55	7.89	7.69	7.67
150000	7.93	7.83	7.89	7.82	7.89	7.95	7.81	7.71	7.81	7.61	7.71	7.75	7.55	7.67	7.77	7.69
160000	7.84	7.89	7.84	7.86	7.89	7.92	7.85	7.82	7.79	7.57	7.72	7.76	7.42	7.69	7.73	7.72
170000	7.91	7.84	7.84	7.84	7.93	7.95	7.82	7.70	7.67	7.80	7.78	7.78	7.42	7.84	7.69	7.66
180000	7.94	7.82	7.80	7.91	8.01	7.87	7.75	7.78	7.63	7.60	7.68	7.77	7.51	7.85	7.65	7.67
190000	7.87	7.84	7.82	7.84	7.95	7.75	7.75	7.75	7.57	7.57	7.67	7.77	7.45	7.80	7.71	7.65
200000	7.86	7.84	7.83	7.78	7.85	7.73	7.68	7.68	7.66	7.61	7.68	7.77	7.43	7.77	7.63	7.64
210000	7.82	7.84	7.83	7.78	7.82	7.76	7.72	7.70	7.67	7.63	7.69	7.61	7.35	7.77	7.59	7.64
220000	7.80	7.89	7.84	7.71	7.94	7.76	7.73	7.77	7.67	7.60	7.66	7.79	7.37	7.75	7.54	7.62
230000																
Daily Max	8.06	7.99	8.06	7.98	8.05	8.00	7.92	7.88	7.86	7.84	7.79	7.81	7.81	7.89	7.77	7.78
Daily Min	7.71	7.71	7.77	7.70	7.72	7.73	7.72	7.68	7.63	7.49	7.65	7.59	7.36	7.33	7.47	7.41
Average	7.90	7.81	7.86	7.83	7.90	7.85	7.79	7.75	7.73	7.66	7.70	7.70	7.63	7.63	7.63	7.62
Monthly average:	7.73															
Missing data due to equipment change																

High Falls pH Monitoring - July 2007

Time	07/17/07	07/18/07	07/19/07	07/20/07	07/21/07	07/22/07	07/23/07	07/24/07	07/25/07	07/26/07	07/27/07	07/28/07	07/29/07	07/30/07	07/31/07
HHMMSS	07/17/07	07/18/07	07/19/07	07/20/07	07/21/07	07/22/07	07/23/07	07/24/07	07/25/07	07/26/07	07/27/07	07/28/07	07/29/07	07/30/07	07/31/07
0	7.63	7.40	7.54	8.02	7.81	7.62	7.49	7.50	7.41	7.88	7.87	7.81	7.78	7.74	7.72
10000	7.54	7.39	7.53	7.85	7.84	7.62	7.49	7.53	7.41	7.88	7.80	7.81	7.75	7.74	7.72
20000	7.96	7.42	7.55	7.80	7.56	7.53	7.54	7.55	7.44	7.90	7.89	7.78	7.77	7.78	7.78
30000	7.62	7.42	7.55	7.75	7.55	7.62	7.59	7.56	7.44	7.92	7.91	7.78	7.78	7.81	7.78
40000	7.48	7.34	7.66	7.71	7.53	7.54	7.59	7.66	7.44	7.98	7.97	7.80	7.80	7.79	7.88
50000	7.50	7.34	7.62	7.60	7.50	7.53	7.62	7.56	7.48	7.95	7.92	7.79	7.79	7.82	7.80
60000	7.55	7.36	7.80	7.69	7.61	7.56	7.62	7.56	7.50	7.97	7.92	7.84	7.82	7.81	7.79
70000	7.54	7.40	7.70	7.64	7.49	7.57	7.62	7.55	7.50	7.94	7.90	7.82	7.82	7.81	7.79
80000	7.80	7.42	7.65	7.63	7.54	7.60	7.64	7.55	7.50	7.93	7.98	7.85	7.86	7.78	7.75
90000	7.70	7.42	7.81	7.66	7.52	7.61	7.62	7.58	7.53	7.96	7.89	7.86	7.89	7.81	7.76
100000	7.74	7.44	7.84	7.70	7.55	7.60	7.59	7.55	7.52	7.95	8.07	7.96	7.96	7.78	7.84
110000	7.71	7.46	7.86	7.70	7.57	7.61	7.61	7.55	7.50	7.92	8.11	7.96	7.96	7.82	7.86
120000	7.61	7.44	8.08	7.71	7.57	7.67	7.61	7.54	7.50	7.95	8.11	8.06	7.90	7.85	7.86
130000	7.59	7.64	8.19	7.69	7.59	7.65	7.59	7.54	7.47	7.97	8.13	8.06	7.89	7.90	7.86
140000	7.55	7.67	8.19	7.69	7.58	7.62	7.54	7.51	7.47	8.01	8.23	8.08	7.87	7.91	7.75
150000	7.61	7.63	8.20	7.69	7.60	7.61	7.53	7.51	7.46	8.04	8.17	8.05	7.87	7.91	7.75
160000	7.59	7.62	8.22	7.66	7.60	7.56	7.51	7.50	7.44	8.01	8.19	8.05	7.80	7.97	7.82
170000	7.54	7.63	8.22	7.73	7.58	7.51	7.47	7.48	7.45	7.97	8.16	8.02	7.82	7.77	7.79
180000	7.57	7.53	8.24	7.65	7.61	7.46	7.47	7.48	7.46	7.95	8.15	7.97	7.84	7.80	7.81
190000	7.48	7.57	8.23	7.62	7.54	7.46	7.48	7.48	7.42	7.95	8.12	7.89	7.81	7.82	7.76
200000	7.45	7.55	8.19	7.63	7.54	7.43	7.47	7.45	7.41	7.92	8.08	7.76	7.76	7.78	7.81
210000	7.40	7.54	8.17	7.61	7.52	7.47	7.47	7.44	7.41	7.94	8.00	7.75	7.76	7.78	7.85
220000	7.39	7.57	8.14	7.60	7.49	7.45	7.48	7.45	7.41	7.91	8.01	7.72	7.75	7.70	7.81
230000	7.36	7.52	8.11	7.58	7.52	7.46	7.49	7.43	7.41	7.88	7.96	7.72	7.79	7.70	7.66
Daily Max	7.74	7.67	8.24	8.02	7.61	7.67	7.64	7.56	7.53	8.04	8.23	8.06	7.91	7.97	7.86
Daily Min	7.36	7.34	7.53	7.59	7.49	7.43	7.47	7.43	7.41	7.88	7.87	7.72	7.72	7.70	7.65
Average	7.56	7.49	7.92	7.70	7.55	7.56	7.54	7.52	7.46	7.95	8.03	7.89	7.83	7.82	7.76

Monthly average: 7.73
 Missing data due to equipment change

High Falls pH Monitoring - August 2007

HHMASS	09/01/07	09/02/07	09/03/07	09/04/07	09/05/07	09/06/07	09/07/07	09/08/07	09/09/07	09/10/07	09/11/07	09/12/07	09/13/07	09/14/07	09/15/07	09/16/07
0	7.68	7.71	7.64	7.64	7.63	7.61	8.02	8.21	7.78	7.66	7.72	7.67	7.76	7.91	7.78	
10000	7.68	7.69	7.67	7.63	7.64	7.64	8.02	8.21	7.74	7.67	7.72	7.64	7.76	7.91	7.78	
20000	7.79	7.71	7.69	7.68	7.65	7.64	8.07	8.27	7.74	7.82	7.72	7.64	7.80	7.84	7.82	
30000	7.71	7.70	7.69	7.71	7.65	7.62	8.18	8.30	7.75	7.86	7.76	7.64	7.80	7.76	7.85	
40000	7.69	7.69	7.79	7.69	7.62	7.64	8.14	8.30	7.81	7.76	7.74	7.74	7.69	7.79	7.74	
50000	7.70	7.67	7.76	7.68	7.66	7.63	8.14	8.26	7.81	7.86	7.78	7.78	7.68	7.73	7.86	
60000	7.70	7.70	7.77	7.67	7.68	7.65	8.17	8.26	7.89	7.90	7.71	7.72	7.71	7.76	8.01	
70000	7.70	7.76	7.77	7.65	7.68	7.69	8.21	8.26	7.91	7.86	7.74	7.73	7.73	7.77	8.04	
80000	7.73	7.72	7.79	7.63	7.66	7.70	8.24	8.26	7.94	7.89	7.82	7.77	7.77	7.90	8.06	
90000	7.76	7.70	7.66	7.65	7.67	7.74	8.25	8.31	8.00	8.01	7.83	7.66	7.79	7.88	8.14	
100000	7.81	7.74	7.83	7.67	7.66	7.80	8.25	8.34	8.02	8.02	7.81	7.68	7.91	7.91	8.17	
110000	7.66	7.74	7.54	7.67	7.67	7.81	8.25	8.35	8.03	7.96	7.94	7.99	7.96	7.96	8.21	
120000	7.78	7.76	7.75	7.68	7.67	7.81	8.25	8.28	7.82	7.99	7.66	8.01	7.96	8.01	8.22	
130000	7.82	7.79	7.76	7.70	7.64	7.75	8.25	7.91	7.82	8.01	7.67	7.97	7.94	8.10	8.23	
140000	7.89	7.88	7.77	7.70	7.65	7.79	8.26	7.92	7.97	7.97	7.67	7.99	8.00	7.82	8.24	
150000	7.80	7.81	7.77	7.74	7.65	7.69	8.26	7.90	7.96	7.96	7.80	8.02	7.99	8.05	8.23	
160000	8.00	7.84	7.76	7.72	7.64	7.66	8.26	7.95	8.11	8.11	7.96	7.97	7.87	8.17	8.24	
170000	8.08	7.78	7.76	7.73	7.65	7.65	8.23	7.94	8.16	7.82	7.93	7.90	7.94	8.06	8.23	
180000	7.88	7.81	7.73	7.69	7.62	7.66	8.24	7.83	7.96	7.87	7.91	7.82	7.91	7.96	8.14	
190000	7.91	7.76	7.72	7.65	7.63	7.62	8.26	7.85	7.92	7.77	7.86	7.81	7.90	7.97	8.04	
200000	7.78	7.68	7.65	7.62	7.67	7.59	8.22	7.79	7.86	7.67	7.82	7.75	7.73	7.77	7.93	
210000	7.80	7.69	7.63	7.62	7.63	7.96	8.19	7.74	7.87	7.68	7.73	7.72	7.72	7.73	7.98	
220000	7.71	7.67	7.61	7.63	7.63	7.96	8.23	7.74	7.67	7.67	7.70	7.74	7.74	7.73	7.85	
230000	7.69	7.66	7.61	7.62	7.63	8.03	8.23	7.74	7.68	7.66	7.69	7.76	7.76	7.74	7.67	
Daily Max	8.08	7.88	7.93	7.74	7.69	8.03	8.28	8.35	8.16	8.11	7.96	8.02	8.00	8.05	8.20	8.24
Daily Min	7.66	7.66	7.54	7.62	7.62	7.56	8.02	7.74	7.74	7.67	7.68	7.69	7.64	7.75	7.73	7.76
Average	7.80	7.73	7.73	7.67	7.65	7.72	8.20	8.06	7.91	7.88	7.80	7.83	7.61	7.90	7.89	8.03

Monthly average: 7.99
 Missing data due to equipment change

High Falls pH Monitoring - August 2007

HHMMSS	08/17/07	08/18/07	08/19/07	08/20/07	08/21/07	08/22/07	08/23/07	08/24/07	08/25/07	08/26/07	08/27/07	08/28/07	08/29/07	08/30/07	08/31/07
0	7.89	8.33	8.33	8.34	8.18	8.15	8.12	8.12	8.00	7.83	7.77	8.07	8.17	8.03	8.17
10000	7.92	8.33	8.32	8.33	8.18	8.14	8.13	8.11	8.03	7.91	7.78	8.10	8.18	8.10	8.14
20000	7.89	8.32	8.32	8.33	8.16	8.13	8.12	8.10	8.02	7.91	7.80	8.12	8.17	8.11	8.14
30000	8.02	8.32	8.34	8.33	8.14	8.15	8.11	8.09	8.03	7.86	7.80	8.15	8.17	7.97	8.14
40000	7.99	8.31	8.32	8.34	8.18	8.12	8.12	8.02	7.97	7.90	7.77	8.17	7.99	8.07	8.20
50000	8.00	8.30	8.33	8.33	8.17	8.14	8.12	8.03	7.94	7.89	7.78	8.16	8.00	8.14	8.19
60000	7.99	8.27	8.32	8.33	8.13	8.14	8.13	8.03	7.92	7.84	7.78	8.17	8.01	8.06	8.18
70000	8.03	8.30	8.36	8.36	8.17	8.15	8.13	8.03	7.83	7.86	7.77	8.16	7.98	8.13	8.18
80000	8.07	8.31	8.35	8.34	8.18	8.15	8.18	8.07	7.98	7.89	7.79	8.15	8.06	8.15	8.19
90000	8.09	8.36	8.38	8.34	8.24	8.18	8.19	8.09	7.98	7.87	7.79	8.19	8.02	8.19	8.26
100000	8.15	8.41	8.39	8.22	8.19	8.17	8.20	8.11	7.98	7.89	7.82	8.20	8.08	8.23	8.29
110000	8.16	8.41	8.43	8.21	8.20	8.19	8.22	8.12	8.01	7.91	7.83	8.26	8.11	8.22	8.31
120000	8.22	8.41	8.43	8.23	8.22	8.23	8.24	8.17	7.98	7.90	7.88	8.22	8.16	8.18	8.27
130000	8.25	8.36	8.44	8.24	8.20	8.23	8.24	8.17	8.01	7.91	7.84	8.24	8.16	8.14	8.29
140000	8.18	8.38	8.39	8.25	8.23	8.25	8.25	8.20	8.02	7.85	7.72	8.27	8.21	8.16	8.32
150000	8.20	8.36	8.43	8.23	8.23	8.24	8.25	8.18	8.03	7.86	7.72	8.23	8.18	8.19	8.32
160000	8.22	8.35	8.43	8.21	8.23	8.24	8.22	8.15	8.09	7.94	7.73	8.24	8.21	8.14	8.31
170000	8.20	8.33	8.39	8.22	8.22	8.23	8.17	8.14	8.08	7.81	7.73	8.12	8.21	8.14	8.32
180000	8.18	8.35	8.39	8.21	8.18	8.24	8.15	8.13	8.02	7.83	7.70	8.12	8.16	8.20	8.31
190000	8.34	8.32	8.37	8.19	8.18	8.21	8.16	8.08	8.02	7.78	7.67	8.21	8.18	8.21	8.37
200000	8.34	8.32	8.35	8.19	8.14	8.17	8.15	8.07	7.99	7.78	7.71	8.19	8.18	8.20	8.23
210000	8.34	8.31	8.35	8.15	8.12	8.14	8.15	8.03	7.98	7.78	7.67	8.19	8.14	8.18	8.24
220000	8.33	8.31	8.34	8.17	8.15	8.14	8.15	8.04	7.94	7.78	7.69	8.16	8.09	8.18	8.30
230000	8.33	8.32	8.34	8.18	8.11	8.13	8.13	8.02	7.92	7.76	7.67	8.17	8.12	8.17	8.29
Daily Max	8.34	8.41	8.44	8.34	8.24	8.25	8.25	8.20	8.09	7.93	8.09	8.27	8.21	8.23	8.32
Daily Min	7.89	8.27	8.32	8.15	8.11	8.12	8.11	8.02	7.82	7.76	7.67	8.07	7.98	7.97	8.12
Average	8.14	8.34	8.37	8.28	8.18	8.18	8.17	8.10	7.99	7.86	7.81	8.16	8.12	8.15	8.24

Monthly average: 7.99
 Missing data due to equipment change

High Falls pH Monitoring - September 2007

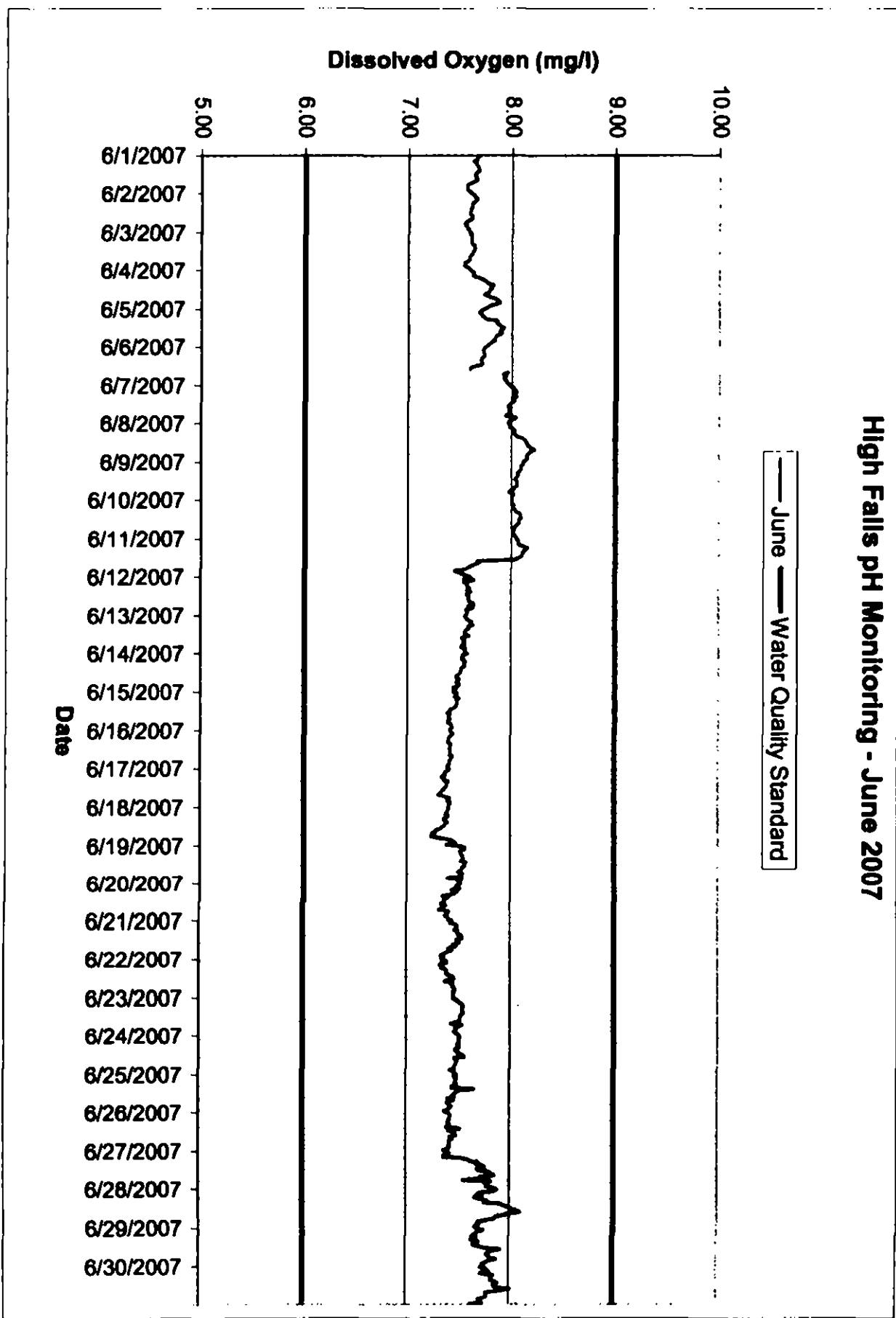
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HHMMSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	8.27	8.20	8.08	8.26	8.17	8.21	8.19	8.21	8.14	8.33	8.29	8.29	8.01	7.97	7.95	7.95
20000	8.28	8.20	8.06	8.27	8.19	8.21	8.21	8.21	8.04	8.33	8.28	8.28	8.01	7.97	7.94	7.94
30000	8.28	8.19	8.09	8.26	8.21	8.21	8.22	8.22	8.14	8.32	8.28	8.28	8.00	7.97	7.94	7.94
40000	8.29	8.21	8.09	8.25	8.20	8.22	8.22	8.25	8.17	8.32	8.27	8.28	8.00	7.97	7.94	7.94
50000	8.31	8.07	8.22	8.24	8.26	8.20	8.22	8.03	8.33	8.31	8.28	8.28	8.00	7.98	7.93	7.94
60000	8.31	8.04	8.23	8.23	8.24	8.24	8.22	7.97	8.33	8.31	8.28	8.27	7.99	7.97	7.93	7.95
70000	8.31	8.03	8.24	8.22	8.23	8.23	8.23	8.04	8.32	8.31	8.28	8.28	7.99	7.92	7.95	7.95
80000	8.31	8.05	8.26	8.23	8.25	8.26	8.24	7.98	8.32	8.32	8.28	8.28	7.99	7.92	7.95	7.95
90000	8.33	7.97	8.27	8.29	8.28	8.28	8.24	8.10	8.34	8.33	8.30	8.29	8.02	7.94	7.99	7.99
100000	8.34	8.03	8.30	8.30	8.32	8.27	8.28	8.10	8.38	8.34	8.31	8.30	8.07	7.94	7.99	8.03
110000	8.33	8.01	8.32	8.30	8.34	8.27	8.27	8.10	8.38	8.34	8.31	8.32	8.11	8.07	8.02	8.07
120000	8.33	7.98	8.34	8.30	8.34	8.27	8.29	8.13	8.38	8.35	8.32	8.33	8.13	8.09	8.05	8.09
130000	8.32	7.98	8.36	8.30	8.33	8.27	8.30	8.07	8.40	8.36	8.31	8.35	8.16	8.12	8.08	8.13
140000	8.31	7.95	8.35	8.32	8.32	8.30	8.32	8.12	8.40	8.36	8.31	8.35	8.16	8.15	8.10	8.13
150000	8.30	7.98	8.34	8.32	8.32	8.25	8.34	8.11	8.40	8.36	8.31	8.35	8.16	8.15	8.10	8.13
160000	8.29	7.98	8.34	8.32	8.30	8.25	8.34	8.09	8.40	8.36	8.31	8.35	8.16	8.15	8.10	8.13
170000	8.28	8.02	8.34	8.24	8.30	8.26	8.35	8.10	8.40	8.34	8.33	8.33	8.17	8.09	8.08	8.08
180000	8.25	8.04	8.32	8.23	8.28	8.24	8.37	8.05	8.38	8.35	8.31	8.33	8.17	8.09	8.08	8.07
190000	8.23	7.94	8.30	8.22	8.23	8.21	8.34	8.09	8.38	8.31	8.31	8.33	8.11	8.09	8.06	8.01
200000	8.22	7.99	8.28	8.20	8.22	8.20	8.31	8.12	8.34	8.29	8.30	8.02	7.97	8.04	8.00	7.98
210000	8.20	8.02	8.25	8.19	8.20	8.19	8.29	8.09	8.35	8.28	8.28	8.01	7.99	8.02	7.98	7.93
220000	8.19	8.02	8.25	8.18	8.20	8.17	8.27	8.04	8.34	8.28	8.28	8.02	7.99	7.98	7.95	7.93
230000	8.19	8.06	8.25	8.17	8.19	8.22	8.27	7.98	8.33	8.29	8.28	8.01	7.97	7.97	7.94	7.92
Daily Max	8.34	8.21	8.35	8.32	8.34	8.30	8.37	8.26	8.40	8.36	8.33	8.35	8.16	8.15	8.10	8.17
Daily Min	8.19	7.94	8.06	8.17	8.17	8.17	8.19	7.98	8.04	8.28	8.27	8.01	7.97	7.97	7.92	7.92
Average	8.28	8.04	8.25	8.25	8.26	8.23	8.27	8.09	8.32	8.32	8.30	8.23	8.04	8.03	7.99	8.00

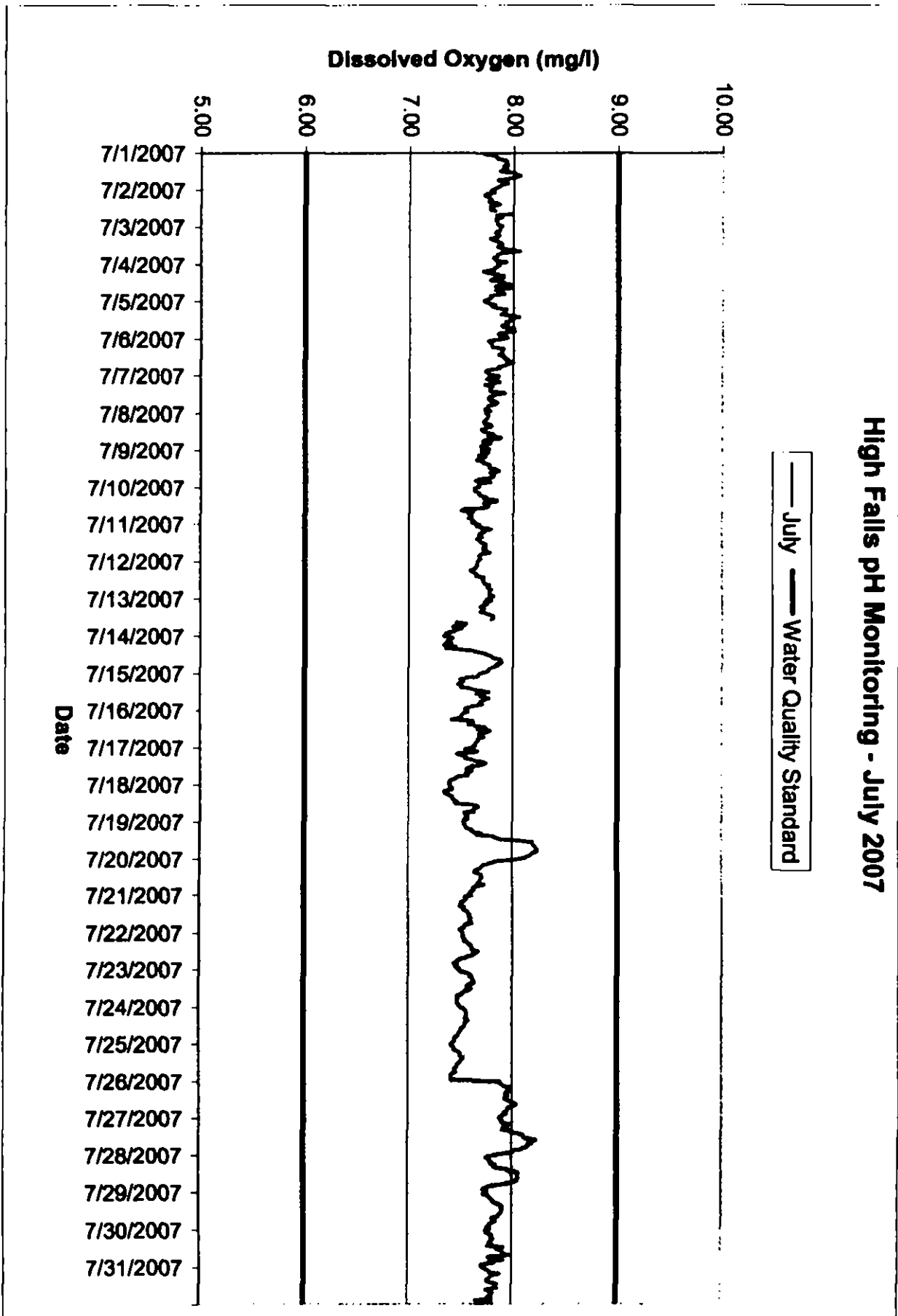
Monthly average: 8.15
 Missing data due to equipment change

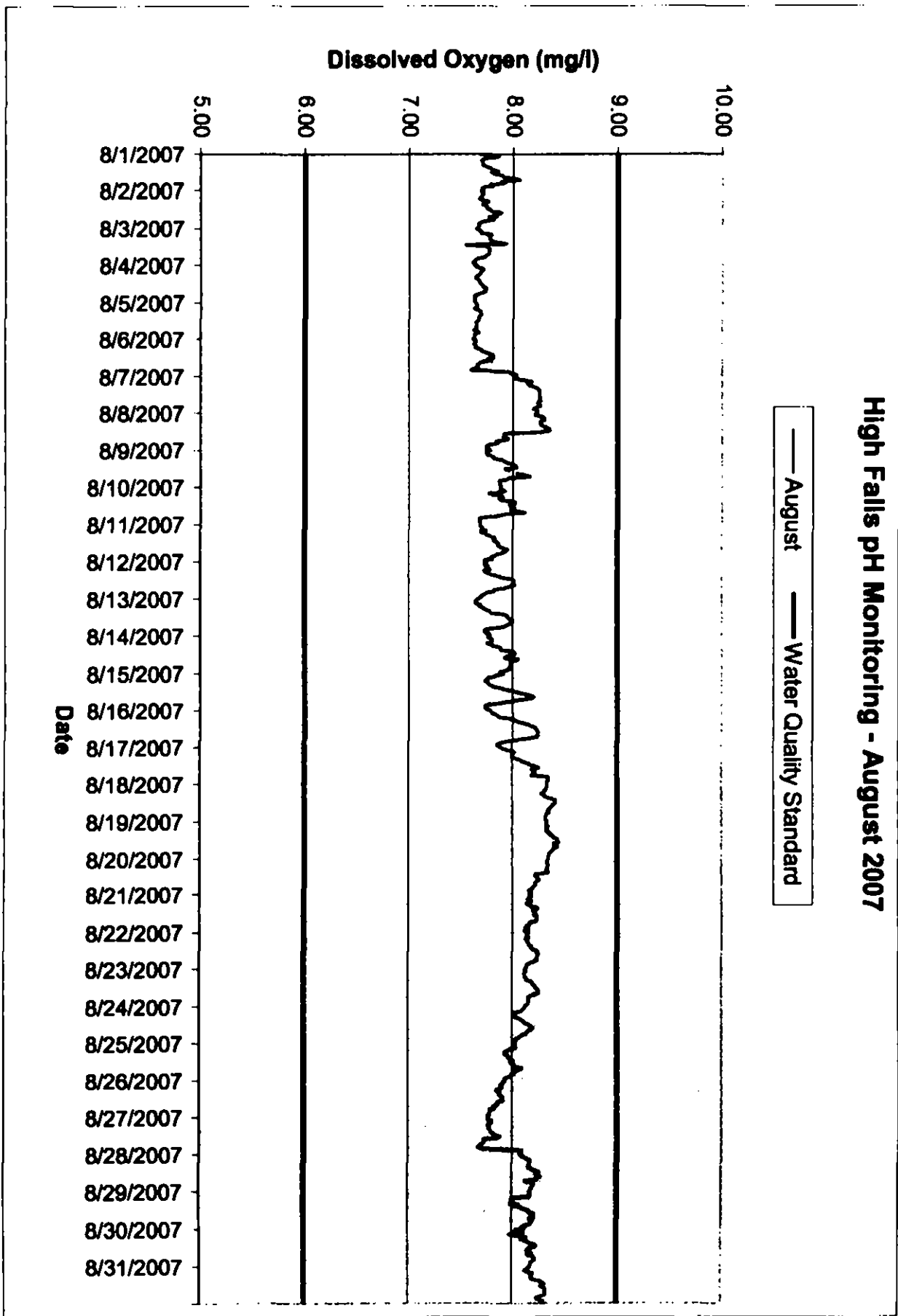
High Falls pH Monitoring - September 2007

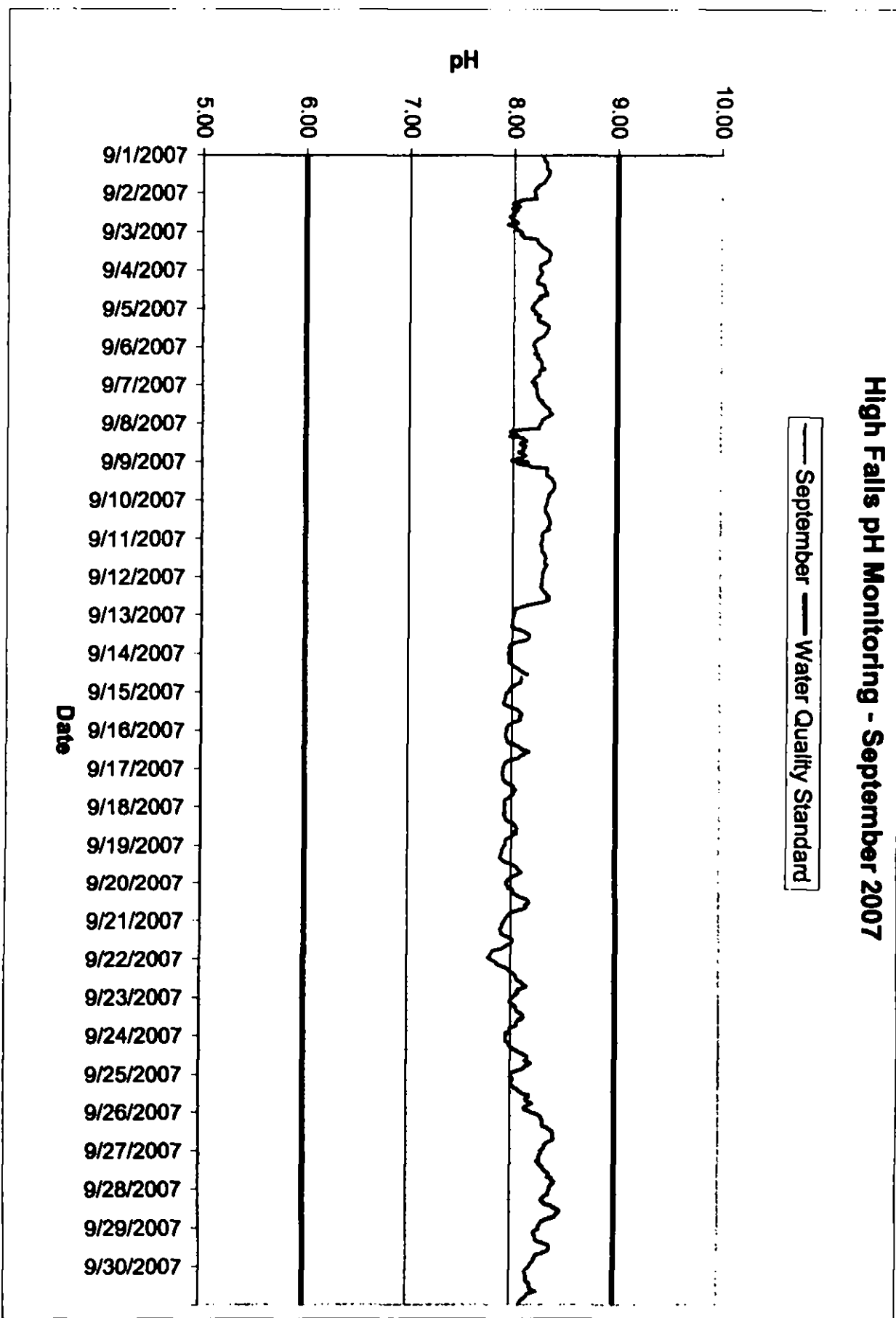
Time	09/17/07	09/18/07	09/19/07	09/20/07	09/21/07	09/22/07	09/23/07	09/24/07	09/25/07	09/26/07	09/27/07	09/28/07	09/29/07	09/30/07
HHMASS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	7.82	7.83	7.82	7.86	7.83	7.81	8.01	7.85	8.01	8.22	8.29	8.38	8.28	8.18
20000	7.91	7.83	7.91	7.97	7.91	7.89	7.99	7.95	8.02	8.28	8.28	8.37	8.23	8.16
30000	7.91	7.94	7.91	7.97	7.91	7.87	8.00	7.95	8.02	8.30	8.28	8.37	8.23	8.15
40000	7.92	7.92	7.91	8.01	7.90	7.91	8.02	7.97	8.01	8.30	8.27	8.33	8.24	8.16
50000	7.82	7.93	7.80	8.02	7.89	7.94	8.04	7.98	8.01	8.31	8.28	8.32	8.25	8.16
60000	7.82	7.94	7.90	8.01	7.90	7.97	8.05	7.99	8.02	8.31	8.28	8.30	8.25	8.17
70000	7.83	7.94	7.89	8.04	7.90	7.99	8.05	8.00	8.02	8.31	8.28	8.31	8.25	8.16
80000	7.94	7.95	7.91	8.06	7.92	8.00	8.08	8.02	8.04	8.31	8.28	8.32	8.28	8.16
90000	7.97	7.98	7.93	8.09	7.86	8.02	8.08	8.05	8.07	8.34	8.30	8.35	8.32	8.17
100000	8.00	8.02	7.98	8.14	7.99	8.04	8.11	8.07	8.08	8.37	8.32	8.40	8.37	8.20
110000	8.02	8.03	8.00	8.16	8.01	8.05	8.12	8.11	8.10	8.39	8.32	8.42	8.38	8.20
120000	8.00	8.04	8.03	8.17	8.01	8.05	8.12	8.14	8.12	8.41	8.34	8.45	8.38	8.19
130000	8.04	8.06	8.06	8.17	8.00	8.06	8.11	8.16	8.18	8.41	8.35	8.48	8.38	8.21
140000	8.01	8.05	8.06	8.13	8.00	8.08	8.07	8.14	8.18	8.41	8.38	8.47	8.38	8.20
150000	8.02	8.03	8.06	8.15	7.95	8.11	8.06	8.14	8.15	8.42	8.38	8.45	8.32	8.28
160000	8.01	8.05	8.10	8.13	7.92	8.12	8.05	8.17	8.15	8.42	8.38	8.44	8.27	8.21
170000	7.98	8.01	8.06	8.08	7.90	8.15	8.06	8.20	8.17	8.41	8.38	8.43	8.24	8.17
180000	7.97	8.00	8.06	8.03	7.82	8.12	8.02	8.17	8.21	8.37	8.32	8.37	8.24	8.17
190000	7.94	7.96	8.02	7.99	7.81	8.07	7.99	8.14	8.18	8.34	8.42	8.33	8.23	8.15
200000	7.83	7.94	7.99	7.99	7.80	8.06	7.99	8.13	8.15	8.33	8.42	8.30	8.23	8.13
210000	7.83	7.94	7.96	7.96	7.80	8.07	7.99	8.09	8.13	8.33	8.40	8.29	8.21	8.11
220000	7.94	7.94	7.96	7.95	7.80	8.06	7.95	8.04	8.14	8.32	8.38	8.28	8.20	8.10
230000	7.83	7.94	7.95	7.94	7.78	8.03	7.95	8.01	8.18	8.30	8.39	8.27	8.19	8.09
Daily Max	8.04	8.05	8.10	8.17	8.01	8.15	8.12	8.20	8.21	8.42	8.43	8.48	8.38	8.28
Daily Min	7.91	7.82	7.89	7.94	7.78	7.81	7.85	7.95	8.00	8.22	8.25	8.27	8.19	8.09
Average	7.88	7.97	7.98	8.04	7.90	8.01	8.04	8.08	8.10	8.34	8.34	8.37	8.27	8.17

Monthly average: 8.15
 Missing data due to equipment change









Appendix B

High Falls Hydroelectric Project

Documentation of Agency Consultation

FERC Project No. 2595

Metcalf, Mark W

From: Metcalf, Mark W
Sent: Tuesday, July 03, 2007 2:48 PM
To: 'Hasz, Justine'; 'Donofrio, Michael'; 'Louise_Clemency@fws.gov'
Cc: Puzen, Shawn C; Crocker, Bruce E; Brandt, Edward S; DeCleene, Mark C
Subject: High Falls water quality monitoring

Good afternoon,

As you are aware, Wisconsin Public Service Corporation monitors dissolved oxygen and temperature in the tailrace of the High Falls Dam from June 1st through September 30th of each year. Water quality monitoring is done in real time and monitoring data is sent from an in-line meter below the Dam to the WPSC Energy Supply and Control Desk. I have just reviewed the monitoring data collected during the month of June and have discovered that there is one hourly reading that is below the water quality standard of 5.0 mg/l. On June 27th at 03:00, the dissolved oxygen reading observed at the ES&C desk had decreased to 5.1 mg/l. At that time, ES&C opened the spillway gate to provide additional aeration flow down stream of the dam. Dissolved oxygen levels increased to over 6.0 mg/l by 04:00.

Upon retrieving the water quality monitor on July 2nd, a post deployment calibration of the monitor was performed to determine if the meter calibration had drifted during deployment. It was observed that the meter had a positive calibration drift over the deployment period. WPSC corrects all dissolved oxygen monitoring data (assuming a linear calibration degradation) for any calibration drift of +/- 0.2 mg/l. After correcting the dissolved oxygen monitoring data, the dissolved oxygen concentration at 03:00 of the 27th is 4.9 mg/l.

If you have any questions about this deviation, please feel free to contact me. Have a safe and happy 4th of July.

Mark

Mark Metcalf
Integrays Business Support, LLC.
(920) 433-1833
MWMetcalf@integraysgroup.com

Providing support for Integrays Energy Group, Integrays Energy Services, Michigan Gas Utilities, Minnesota Energy Resources, North Shore Gas, Peoples Gas, Upper Peninsula Power and Wisconsin Public Service.



Wisconsin Public Service Corporation
a subsidiary of WPS Resources Corporation
700 North Adams Street
P.O. Box 19002
Green Bay, WI 54307-9002

October 17, 2007

To: Mr. Scott Watson, Wisconsin Department of Natural Resources
Mr. Mike Donofrio, Wisconsin Department of Natural Resources
Ms. Justine Hasz, Wisconsin Department of Natural Resources
Ms. Louise Clemency, U.S. Fish and Wildlife Service

Re: 2007 Water Quality Monitoring Results for the High Falls (FERC No. 2595) Hydroelectric Project

As per the Water Quality Monitoring Plans for the High Falls Hydroelectric Project, Wisconsin Public Service Corporation (WPSC) is pleased to submit water quality-monitoring data from the 2007 monitoring season for your review and comment.

Per the water quality-monitoring plans for the High Falls Hydroelectric Project, dissolved oxygen (D.O.), temperature, and pH were monitored in the tailrace of the High Falls Hydroelectric facility, at the Boat Landing No. 3 Bridge over the Peshtigo River. Water quality monitoring was conducted using Hydrolab Datasonde[®] monitoring equipment. Per the manufacturer, the monitoring equipment has a D.O. accuracy of +/- 0.2 mg/l. All monitoring data collected was adjusted for a loss of calibration if a post calibration of the equipment showed calibration drift of 0.2 mg/l or greater. For compliance purposes, any dissolved oxygen readings below 4.80 mg/l is an exceedence of the Project License limit.

Two hourly D.O. readings below 5.0 mg/l were recorded in the High Falls Hydro tailrace in June. The lowest reading was 4.91 mg/l dissolved oxygen. Per the operation plan for the facility, water was being spilled via the tainter gates when low D.O. water was observed. Two hourly readings below the water quality standard for D.O. were observed on July 18. These readings were abnormal, sudden drops in dissolved oxygen, which WPS believes are anomalies.

There are no deviations from the State temperature or pH standards to report. Attached

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for your review is water quality monitoring data collected between June 1 and September 30, 2007. Please review the attached data and provide any comments you may have as soon as possible, but within 30 days of this letter. Should you have any questions or concerns, please do not hesitate to call me at (920) 433-1833. Thank you for your time and consideration.

Sincerely,

A handwritten signature in black ink that reads "Mark Metcalf". The signature is written in a cursive, slightly slanted style.

Mark W. Metcalf
Environmental Consultant
Telephone: (920) 433-1833

Attach.

cc: Mr. Shawn Puzen, WPSC
Mr. Bruce Crocker, WPSC
Mr. Ed Brandt, WPSC

Response to comments from the Wisconsin Department of Natural Resources

The Wisconsin Department of Natural Resources did not respond to the October 17, 2007 monitoring report with comments.

Response to comments from the U.S. Fish & Wildlife Service

The U.S. Fish and Wildlife Service did not respond to the October 17, 2007 monitoring report with comments.