

Table D1. Nitrogen Concentrations for Panther Creek (Station 201)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
10/22/99 09:16		0.07		
10/22/99 09:34	0.17 *			
11/10/99 10:36		< 0.04		
11/10/99 10:42	< 0.13			
12/02/99 07:25		< 0.04		
12/02/99 07:30	< 0.13			
12/14/99 14:59	< 0.13	< 0.04		
12/27/99 12:29	< 0.13	< 0.04		
01/12/00 11:57	< 0.13	< 0.04		
01/25/00 11:00	< 0.13	< 0.04		
02/08/00 11:11	< 0.13	< 0.04		
02/22/00 11:06	0.28	< 0.07 *		
03/07/00 08:53	< 0.06 *	< 0.07		
03/14/00 11:07	< 0.06 *	< 0.07		
03/22/00 11:49	< 0.06	< 0.07		
03/28/00 10:35	< 0.06 *	< 0.07	< 0.05	0.49
04/04/00 11:00	< 0.06	< 0.07		
04/11/00 11:42	< 0.06	< 0.07		
04/18/00 11:53	< 0.06	< 0.07		
04/25/00 11:12	< 0.06	< 0.07	< 0.05	< 0.12
05/02/00 11:45	< 0.06	< 0.07		
05/10/00 10:14	< 0.06	0.07		
05/16/00 09:04	< 0.06	0.07		
05/23/00 08:20	< 0.06	< 0.07	< 0.05	0.61
05/27/00 09:13	2.19 *	0.34	0.05 *	5.51
05/30/00 11:17	4.86	0.29		
06/06/00 10:58	0.98	< 0.07		
06/14/00 09:24	7.39	0.12		
06/20/00 10:39	6.98	0.08		
06/20/00 22:59	1.09	0.16	0.05 *	4.81
06/26/00 06:27	9.61	< 0.07	< 0.05 *	1.15
07/05/00 12:25	1.99	< 0.07	< 0.05	3.72
07/11/00 07:00	1.89	0.21	< 0.05	4.56
07/18/00 11:15	10.43	< 0.07		
07/25/00 10:11	8.36	< 0.07	< 0.05	0.42
08/01/00 10:30	3.94	< 0.07		
08/08/00 10:11	1.27	0.08		
08/15/00 10:12	0.13	0.07		
08/22/00 10:13	< 0.06	< 0.07		
08/30/00 13:54	< 0.06	< 0.07	< 0.05	0.50
09/05/00 11:13	< 0.06	< 0.07		
09/12/00 09:35	< 0.06 *	< 0.07		
09/19/00 07:54	< 0.06	< 0.07		
09/26/00 10:18	< 0.06	< 0.07	< 0.05	0.78
10/03/00 09:37	< 0.06	0.07		
10/10/00 13:21	< 0.06	< 0.07		
10/18/00 11:15	0.75	0.09		
10/24/00 10:23	4.10	0.04	0.19	0.65
10/31/00 09:51	0.28	< 0.03		
11/06/00 11:09	0.55	< 0.03		
11/14/00 13:42	11.29	< 0.03		
11/20/00 10:36	10.33	< 0.03		
11/20/00 10:37	10.36	0.03		
11/28/00 11:53	7.95	0.03	0.04	0.37
12/05/00 09:46	7.72	< 0.03		
12/12/00 13:50	6.77	< 0.03 *		
12/19/00 10:30	9.11	< 0.03	0.04	0.20
12/26/00 11:42	8.03	0.05		
01/02/01 11:40	6.87	0.08		
01/09/01 10:35	6.44	< 0.03		
01/16/01 11:05	7.91	0.07	0.03	0.53
01/23/01 09:55	9.81	< 0.07		
01/29/01 16:42	1.60	0.50	0.02 *	3.35
01/29/01 19:20	1.69	0.52	0.02 *	3.54
01/30/01 10:50	5.84	0.36	0.03	3.17
02/06/01 12:15	11.47	< 0.07		
02/13/01 10:36	11.33	< 0.07		

Table D1. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
02/20/01 11:25	11.58	< 0.07	< 0.02 *	< 0.14
02/27/01 10:05	11.05	0.09		
03/06/01 11:10	11.96	< 0.07		
03/13/01 09:45	9.93	< 0.07		
03/20/01 10:10	10.66	< 0.07	< 0.02	< 0.14
03/26/01 10:41	10.07	< 0.07		
04/03/01 09:45	8.27	0.08		
04/10/01 09:05	5.92	< 0.07		
04/17/01 11:48	8.96	< 0.07	0.03	< 0.14
04/24/01 10:46	7.48	< 0.07		
05/01/01 10:36	6.70	< 0.07		
05/08/01 10:50	6.99	< 0.07		
05/15/01 11:43	6.17	0.12	0.17	0.81
05/22/01 13:06	10.28	0.08		
05/30/01 13:21	9.38	< 0.07		
06/05/01 06:47	13.00	0.14		
06/06/01 09:16	3.58	0.63	0.02	5.53
06/06/01 13:25	5.89	0.32	0.03	3.18
06/12/01 13:05	13.94	0.10		
06/19/01 08:30	13.13	< 0.07		
06/26/01 10:14	11.12	< 0.07	0.05	0.47
07/02/01 09:30	9.14	< 0.07		
07/10/01 14:59	4.46	< 0.07		
07/17/01 14:48	0.77	< 0.07		
07/24/01 09:30	0.09	< 0.07	< 0.02	1.22
07/31/01 11:40	< 0.06	0.09		
08/07/01 11:10	< 0.06	1.04		
08/14/01 10:56	< 0.06	0.16		
08/21/01 08:11	< 0.06	0.11	< 0.02	0.68
08/28/01 10:27	0.06	0.09		
09/04/01 11:14	< 0.06	< 0.08		
09/11/01 11:19	< 0.06	0.12		
09/18/01 10:05	< 0.06	0.15	< 0.02	0.49
09/25/01 10:10	< 0.06	< 0.08		
10/02/01 11:11	< 0.06	0.08		
10/09/01 10:04	< 0.06	< 0.08		
10/16/01 09:37	0.11	0.74	< 0.02	1.02
10/23/01 08:20	< 0.06	< 0.08		
10/30/01 10:46	< 0.06	< 0.08		
11/06/01 10:24	< 0.06	< 0.08		
11/13/01 14:27	< 0.06	< 0.08	< 0.02	0.51
11/20/01 14:01	< 0.06	< 0.08		
11/27/01 11:55	< 0.06	< 0.08		
12/04/01 11:20	< 0.06	< 0.08		
12/11/01 11:02	< 0.06	< 0.08		
12/19/01 11:04	4.70	< 0.08	0.05	0.49
12/26/01 11:20	8.21	< 0.08		
01/02/02 10:45	9.49	< 0.08		
01/08/02 10:41	6.10	< 0.08		
01/15/02 09:00	4.50	< 0.08		
01/22/02 13:41	4.46	< 0.08	< 0.02	0.39
01/29/02 07:50	2.70	< 0.08		
02/05/02 08:55	13.56	0.05		
02/13/02 13:21	10.80	< 0.03		
02/19/02 13:21	8.53	0.05	< 0.02	0.54
02/26/02 09:50	9.53	< 0.03		
03/05/02 10:18	11.16	< 0.03		
03/12/02 09:43	10.05	< 0.03		
03/19/02 09:59	8.37	0.06	0.03	0.36
03/26/02 09:08	8.04	< 0.03		
04/02/02 09:05	6.84	< 0.03		
04/09/02 10:50	9.30	0.04		
04/16/02 11:26	6.94	< 0.03		
04/21/02 17:30	10.32 *	0.16	0.05 *	1.85
04/22/02 13:15	12.58	0.06	0.03	< 0.27
04/23/02 10:33	12.37	< 0.03	0.03	< 0.27
04/24/02 15:15	4.38	0.34	0.05	14.49

Table D1. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
04/24/02 20:30	3.50	0.31	0.04	8.81
04/24/02 21:50	4.37	0.27	0.03	6.79
04/25/02 02:40	6.88	0.21	0.04	3.19
04/30/02 10:30	10.49	0.06	0.02	0.60
05/07/02 04:30	3.49	0.28	0.03	8.05
05/07/02 09:32	4.75	0.19	0.04	4.11
05/12/02 08:00	1.18 *	0.09	0.01 *	7.09
05/13/02 10:22	7.19 *	0.06	0.02	1.20
05/14/02 11:59	9.11	0.19	0.01	0.55
05/21/02 11:30	11.19	0.04	0.02	0.84
05/28/02 11:51	10.82	0.05		
06/04/02 10:03	12.38	0.04		
06/11/02 12:36	8.34	0.07		
06/18/02 08:53	13.77	< 0.03	0.04	0.39
06/25/02 10:00	12.28	0.03		
07/01/02 10:04	10.49	0.03		
07/09/02 10:41	7.19	< 0.03		
07/15/02 12:24	3.84	< 0.03		
07/23/02 11:06	1.46	0.25	0.05	2.61
07/26/02 06:15	1.00	0.11	0.02 *	5.72
07/26/02 11:47	1.53	0.12	0.03 *	3.61
07/30/02 10:23	1.82	0.03	0.01	0.39
08/06/02 09:11	0.09	< 0.03		
08/12/02 09:30	< 0.06	< 0.03		
08/20/02 08:16	0.68	0.09	0.02 *	1.38
08/27/02 08:45	0.13	0.04		
09/03/02 09:54	< 0.06	< 0.03		
09/10/02 07:29	< 0.06	< 0.03		
09/16/02 10:25	< 0.06	0.05	< 0.01	0.41
09/23/02 10:10	< 0.06	< 0.03		
10/01/02 08:48	< 0.06	0.07		
10/08/02 09:58	< 0.06	0.06		
10/15/02 11:14	< 0.06	0.04	< 0.01 *	0.22
10/21/02 09:45	< 0.06	< 0.03		
10/28/02 10:51	< 0.06	< 0.03		
11/06/02 11:25	< 0.06	< 0.03		
11/12/02 10:46	< 0.06	< 0.03	< 0.01	0.38
11/18/02 13:11	< 0.06	< 0.03		
11/25/02 10:51	< 0.06	< 0.03		
12/03/02 09:57	< 0.06	< 0.03		
12/10/02 09:24	< 0.06	< 0.03		
12/17/02 10:11	< 0.06	< 0.03	< 0.01	0.20
12/23/02 11:44	0.21	0.04		
12/30/02 11:27	0.12	< 0.03		
01/07/03 10:25	< 0.06	0.03	< 0.01	0.19
01/14/03 10:16	< 0.06	< 0.03		
01/21/03 11:11	0.27	< 0.03		
01/28/03 10:31	0.26	< 0.03		
02/05/03 10:43	0.91	< 0.03	0.01	0.44
02/10/03 11:29	0.38	0.08		
02/18/03 11:07	1.77	0.09		
02/25/03 10:27	2.30	< 0.03		
03/04/03 10:13	1.43	0.04		
03/10/03 10:26	1.41	< 0.03	0.02	0.28
03/18/03 09:23	< 0.06	< 0.03		
03/25/03 10:02	1.40	< 0.03		
04/01/03 10:11	1.68	< 0.03		
04/08/03 09:50	5.01	< 0.03		
04/15/03 10:40	2.66	< 0.03	0.06	0.47
04/22/03 11:13	4.37	0.06		
04/29/03 11:30	7.52	0.05		
05/06/03 10:21	10.42	0.08		
05/13/03 10:51	12.90	0.07	0.04	0.54
05/21/03 08:46	10.53	0.08		
05/27/03 09:46	9.15	0.04		
06/02/03 09:30	8.60	0.05		
06/10/03 09:41	7.16	0.10		

Table D1. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
06/11/03 08:30	4.06	0.20	0.07	3.60
06/11/03 14:21	6.87	0.15	0.08	1.57
06/17/03 10:04	11.56	0.11	0.11	0.68
06/24/03 08:31	10.60	0.09		
07/01/03 10:31	6.99	0.07		
07/08/03 08:26	5.09	0.07		
07/10/03 05:00	2.89	0.07	0.07	1.84
07/15/03 09:06	5.44	0.05	0.05	0.68
07/18/03 09:31	0.94	0.31	0.03 *	8.22
07/18/03 12:01	1.38	0.40	0.04 *	7.88
07/22/03 09:21	4.58	0.05	0.05	0.79
07/29/03 10:01	2.18	0.06		
08/05/03 08:26	0.82	0.06		
08/13/03 08:26	< 0.07	< 0.03		
08/19/03 09:45	< 0.07	< 0.03	< 0.02	1.05
08/26/03 07:26	< 0.07	0.16		
09/01/03 02:30	0.41	0.07	< 0.02 *	3.83
09/01/03 12:00	0.56	0.04	< 0.02 *	1.89
09/01/03 19:15	0.72	0.07	< 0.02 *	1.30
09/02/03 09:51	1.25	0.11	< 0.02	0.85
09/09/03 09:19	0.67	0.04	< 0.02	0.90
09/16/03 08:25	< 0.07	0.05	< 0.02	0.91
09/23/03 09:36	< 0.07	0.04		
09/30/03 08:36	< 0.07	0.04		
10/06/03 09:48	< 0.07	< 0.03		
10/14/03 10:31	< 0.07	0.05		
10/21/03 12:30	< 0.07	< 0.03	< 0.02	0.66
10/27/03 10:46	< 0.07	0.04		
11/04/03 09:47	< 0.07	< 0.03		
11/12/03 11:44	0.40	< 0.03		
11/17/03 11:31	0.36	< 0.03	< 0.02 *	0.29
11/18/03 04:45	0.96	< 0.03	< 0.02	2.15
11/18/03 13:00	3.38	0.42	0.04	2.28
11/24/03 15:11	8.86	0.03	0.04	0.72
12/02/03 13:27	7.69	< 0.03		
12/08/03 10:36	7.47	< 0.03		
12/17/03 10:10	7.93	< 0.03	0.02	0.28
12/22/03 10:56	7.17	< 0.03		
12/29/03 11:28	8.04	< 0.03		
01/06/04 11:26	10.48	< 0.03		
01/13/04 10:29	8.41	< 0.03	0.02	0.30
01/20/04 11:20	9.16	0.03		
01/27/04 10:22	8.04	< 0.03		
02/02/04 11:31	7.00	0.04		
02/09/04 11:46	6.08	0.05		
02/17/04 11:31	6.19	0.04	0.02	0.26
02/24/04 10:31	5.28	0.03		
03/02/04 10:16	5.02	0.03		
03/09/04 11:11	8.46	< 0.03		
03/16/04 10:21	6.73	< 0.03	< 0.02	0.29
03/22/04 10:51	5.53	< 0.03		
03/29/04 11:21	8.70	0.05		
04/07/04 15:16	7.02	< 0.03		
04/13/04 10:20	6.61	< 0.03	0.03	0.31
04/20/04 10:15	4.73	0.08		
04/27/04 11:51	9.76	0.04		
05/04/04 09:36	7.33	< 0.03		
05/11/04 09:16	6.78	0.12		
05/18/04 08:31	14.76	0.10	0.09	0.54
05/25/04 00:40	2.45	0.35	0.07	11.15
05/25/04 01:50	3.59	0.40	0.04	10.37
05/25/04 04:32	< 0.07	0.31	0.06	5.99
05/25/04 14:35	10.49	0.11	0.07	1.40
06/01/04 09:56	11.50	0.07		
06/08/04 08:31	11.38	0.09		
06/15/04 11:41	3.04	0.13	0.06	3.76
06/15/04 14:00	3.50	0.10	0.05	2.44

Table D1. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
06/16/04 07:30	7.05	0.06	0.08	0.74
06/22/04 08:26	8.80	0.05	0.05	0.72
06/28/04 09:31	6.75	0.05		
07/06/04 11:56	6.66	0.04		
07/10/04 22:15	0.93	0.22	0.03 *	5.50
07/11/04 04:15	2.08	0.12	0.03	2.36
07/11/04 09:55	3.35	0.12	0.03	1.35
07/13/04 09:26	4.96	0.07	0.04	0.84
07/19/04 10:16	4.45	0.04	0.03	0.67
07/27/04 09:30	1.59	< 0.04		
08/03/04 07:51	0.74	0.09		
08/10/04 08:41	0.12	0.06		
08/17/04 08:15	< 0.07	< 0.04	< 0.01	1.03
08/24/04 08:25	0.11	< 0.04		
08/25/04 15:15	0.35	0.09	0.01	5.60
08/25/04 16:08	0.40	0.17	0.01	10.28
08/25/04 17:30	0.54	0.29	0.01	13.40
08/25/04 20:32	0.66	0.20	0.01	5.82
08/26/04 00:10	0.97	0.13	0.01	3.54
08/26/04 10:30	2.39	0.08	0.02	1.69
08/31/04 09:14	5.27	< 0.04	0.02	0.46
09/08/04 08:51	2.88	< 0.04		
09/14/04 08:03	1.91	< 0.04	0.03	0.33
09/21/04 09:31	0.38	1.27		
09/28/04 08:32	< 0.07	< 0.04		
10/05/04 09:21	< 0.07	< 0.04		
10/12/04 10:21	< 0.07	< 0.04		
10/19/04 01:30	5.77	< 0.04	0.03	1.41
10/19/04 09:41	5.72	< 0.04	0.03	1.29
10/26/04 12:36	8.31	< 0.04	0.08	< 0.29
11/03/04 11:11	9.22	< 0.04	0.02	0.83
11/08/04 10:32	9.83	< 0.06		
11/16/04 10:41	9.36	< 0.06	0.02	0.33 *
11/22/04 11:16	8.15	< 0.06		
11/30/04 11:11	8.84	0.15	0.02	0.83
12/07/04 08:20	4.33	0.06	0.02	2.06
12/07/04 12:17	4.83	0.15	0.03	2.60
12/14/04 09:51	9.29	< 0.06	0.01	0.41
12/21/04 08:25	8.73	< 0.06		
12/28/04 10:40	7.78	< 0.06		
01/04/05 09:10	8.52	< 0.06	0.01	0.77
01/11/05 09:40	9.00	< 0.06	< 0.01	0.51
01/12/05 12:00	9.10	< 0.06	0.02	0.45
01/12/05 23:30	1.72	0.15	0.03	11.18
01/13/05 13:35	4.03	0.18	0.03	3.03
01/19/05 09:10	8.83	< 0.06	< 0.01	0.37
01/25/05 09:16	8.41	< 0.06		
02/01/05 08:47	7.72	< 0.06		
02/08/05 09:11	8.51	< 0.06		
02/15/05 09:02	8.43	< 0.06	0.01	0.61
02/22/05 10:32	7.78	< 0.06		
03/01/05 09:21	6.66	< 0.06		
03/08/05 10:06	6.32	< 0.06		
03/15/05 09:48	5.77	< 0.06	0.02	0.53
03/22/05 13:08	5.03	< 0.06		
03/29/05 09:00	5.06	< 0.06		
04/05/05 09:11	4.27	< 0.06		
04/11/05 09:10	3.87	< 0.06	0.06	0.67
04/19/05 10:01	5.79	< 0.06		
04/26/05 10:06	5.36	< 0.06		
05/03/05 09:11	4.96	< 0.06		
05/10/05 10:21	3.66	0.07		
05/17/05 08:19	4.35	0.08	0.12	0.45
05/24/05 07:56	4.38	0.11		
05/31/05 09:31	4.46	0.09		
06/07/05 08:46	3.23	0.10		
06/14/05 08:10	3.04	0.08	0.08	0.63

Table D1. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
06/21/05 08:19	1.91	< 0.06		
06/28/05 08:11	0.09	< 0.06		
07/05/05 09:36	< 0.07	< 0.06		
07/12/05 07:46	< 0.07	< 0.06	< 0.01	0.65
07/19/05 09:01	< 0.07	0.12		
07/26/05 08:36	< 0.07	0.15		
08/02/05 08:56	< 0.07	< 0.06		
08/09/05 08:39	< 0.07	0.18		
08/16/05 10:08	< 0.07	0.14	< 0.01	0.48
08/23/05 10:49	< 0.07	< 0.06		
08/30/05 09:55	< 0.07	< 0.06		
09/06/05 10:26	< 0.07	< 0.06		
09/13/05 10:13	< 0.07	< 0.06	< 0.01	0.88
09/20/05 10:26	0.75	< 0.06	0.06	3.07
09/27/05 09:47	< 0.07	0.08		
10/04/05 10:04	< 0.07	< 0.06		
10/11/05 10:38	< 0.07	< 0.06		
10/18/05 09:08	< 0.07	< 0.06	< 0.01	0.42
10/25/05 09:53	< 0.07	< 0.06		
11/01/05 11:30	< 0.07	< 0.06		
11/08/05 11:09	< 0.07	< 0.06		
11/15/05 09:56	< 0.07	< 0.06	< 0.01	0.37
11/21/05 11:20	< 0.07	< 0.06		
11/28/05 11:22	< 0.07	< 0.06		
12/06/05 11:05	< 0.07	< 0.06		
12/13/05 11:01	< 0.07	< 0.06	< 0.01	0.41
12/20/05 10:52	< 0.07	0.13		
12/27/05 11:01	0.08	< 0.06		
01/03/06 11:06	0.21	< 0.06		
01/10/06 11:06	< 0.07	< 0.06 *	< 0.01	0.29
01/17/06 10:42	0.16	< 0.06		
01/24/06 10:47	0.08	< 0.06		
01/31/06 10:48	1.76	< 0.06		
02/07/06 09:58	4.30	< 0.06	0.04	0.37
02/14/06 09:06	3.22	< 0.06		
02/21/06 10:20	2.12	< 0.06		
02/28/06 11:54	1.70	< 0.06		
03/07/06 09:46	0.66	< 0.06		
03/15/06 12:28	12.43	< 0.06	0.04	0.54
03/20/06 13:55	10.65	< 0.06		
03/28/06 09:42	8.73	< 0.06		
04/04/06 09:42	9.16	< 0.06		
04/06/06 10:50	3.59	0.26	0.05	8.81
04/06/06 14:40	5.56	0.19	0.03	4.77
04/07/06 09:56	13.32	0.10	0.04	1.05
04/11/06 12:31	12.99	< 0.06	0.02	0.49
04/18/06 13:02	10.43	< 0.06	0.07	0.52
04/25/06 12:30	8.36	< 0.06		
05/02/06 12:03	8.50	< 0.06		
05/10/06 09:06	9.25	0.06		
05/15/06 10:50	7.95	< 0.06		
05/23/06 09:55	11.20	< 0.06	0.10	< 0.26
05/30/06 10:54	9.76	< 0.06		
06/06/06 10:10	12.13	< 0.06		
06/13/06 10:52	10.13	< 0.06		
06/19/06 11:06	7.86	< 0.06	0.14	0.50
06/27/06 07:47	4.18	< 0.06		
07/03/06 08:15	0.60	0.06		
07/11/06 09:18	< 0.07	< 0.06		
07/12/06 05:15	2.25	0.26	0.09	5.25
07/12/06 11:07	2.20	0.20	0.07	2.42
07/12/06 15:14	1.40	0.43	0.11	13.80
07/12/06 18:54	1.71	0.18	0.04	4.06
07/12/06 22:34	2.79	0.13	0.05	2.57
07/18/06 09:35	8.95	< 0.06	0.08	0.51
07/25/06 10:38	6.82	< 0.06	0.05	0.55
08/01/06 08:25	2.41	< 0.06		

Table D1. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
08/08/06 10:15	0.11	< 0.06		
08/15/06 07:24	< 0.07	< 0.06		
08/22/06 10:12	< 0.07	< 0.06	< 0.01	0.88
08/29/06 09:04	0.14	< 0.06		
09/05/06 08:44	< 0.07	< 0.06		
09/11/06 09:43	0.07	0.10		
09/19/06 07:57	< 0.07	< 0.06	< 0.01	0.53
09/26/06 08:32	< 0.07	< 0.06		
10/03/06 08:01	< 0.07	< 0.06		
10/11/06 09:39	< 0.07	0.07		
10/17/06 08:24	< 0.07	< 0.06	< 0.01	0.55
10/24/06 07:55	< 0.07	< 0.06		
10/31/06 09:10	< 0.07	< 0.06		
11/08/06 12:06	< 0.07	< 0.06		
11/14/06 12:44	9.69	< 0.06	0.08	0.55
11/16/06 04:45	7.44	< 0.06	0.05	1.14
11/16/06 11:21	6.29	0.19	0.04	2.28
11/16/06 17:33	8.98	0.11	0.04	1.26
11/20/06 13:12	10.63	< 0.06	0.05	0.47
11/28/06 10:25	8.50	< 0.06		
12/06/06 14:08	11.28	< 0.06		
12/12/06 11:12	6.99	0.11		
12/18/06 12:32	12.31	< 0.06	0.03	0.37
12/27/06 12:38	12.02	< 0.06		
01/02/07 12:43	10.83	< 0.06		
01/09/07 10:23	11.05	< 0.06	0.02	< 0.26
01/17/07 12:19	11.54	< 0.06		
01/23/07 10:52	10.41	< 0.06		
01/30/07 11:54	11.23	< 0.06		
02/06/07 12:55	11.21	< 0.06	< 0.01	< 0.26
02/21/07 10:46	5.79	0.12		
02/24/07 13:51	4.58	0.34	0.02	1.22
02/24/07 19:55	1.88	1.02	0.03	8.40
02/24/07 21:33	1.98	0.76	0.04	9.84
02/24/07 23:14	2.54	0.66	0.04	8.06
02/25/07 09:24	2.62	0.63	0.04	6.55
02/25/07 16:16	3.49	0.47	0.03	3.51
02/27/07 12:04	5.63	< 0.06	0.02	1.04
02/28/07 14:55	6.15	0.18	0.02 *	0.93
03/01/07 08:44	2.24	0.55	0.03	8.09
03/01/07 10:05	1.87	0.58	0.07	10.76
03/01/07 14:46	2.77	0.43	0.03	8.03
03/06/07 11:58	8.51	0.10	0.01	0.53
03/13/07 09:55	8.12	< 0.06		
03/20/07 09:52	6.60	< 0.06		
03/26/07 10:50	5.56	< 0.06		
04/03/07 10:28	8.06	< 0.06	0.03	0.34
04/09/07 11:06	7.32	< 0.06		
04/17/07 10:59	5.97	< 0.06	0.06	0.31
04/24/07 12:11	5.51	< 0.06		
05/01/07 11:01	5.17	< 0.06		
05/08/07 11:21	6.83	< 0.06		
05/15/07 09:51	6.33	< 0.06		
05/22/07 10:11	5.96	< 0.06	0.18	0.34
05/29/07 11:09	5.74	< 0.06		
06/05/07 10:55	5.98	< 0.06		
06/11/07 10:45	4.94	< 0.06		
06/19/07 08:18	2.00	0.08	0.07	0.73
06/23/07 08:54	4.95	0.09	0.09	3.37
06/26/07 10:51	5.77	< 0.06	0.05	0.64
07/02/07 11:27	5.99	< 0.06		
07/10/07 10:28	3.76	< 0.06		
07/16/07 11:25	1.46	< 0.06		
07/24/07 10:14	< 0.07	< 0.06	< 0.01	0.74 *
07/31/07 08:40	< 0.07	< 0.06		
08/07/07 10:36	< 0.07	< 0.06		
08/14/07 11:51	< 0.07	< 0.06		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
08/21/07 10:10	< 0.07	0.07	< 0.01	0.49
08/28/07 09:45	< 0.07	< 0.06		
09/05/07 09:47	< 0.07	0.14		
09/11/07 09:54	< 0.07	0.11		
09/19/07 11:10	< 0.07	< 0.06	< 0.01	0.75
09/25/07 10:12	< 0.07	< 0.06		
10/01/07 11:33	< 0.07	0.15		
10/10/07 12:21	< 0.07	< 0.06		
10/16/07 10:16	< 0.07	< 0.06	< 0.01	0.62
10/23/07 10:05	< 0.07	0.07		
10/30/07 10:19	< 0.07	0.09 *		
11/06/07 10:33	< 0.07	< 0.06		
11/13/07 12:25	< 0.07	< 0.06	0.01	1.63
11/19/07 09:57	< 0.07	< 0.06		
11/27/07 11:36	< 0.07	< 0.06		
12/04/07 09:33	< 0.07	< 0.06		
12/11/07 09:42	< 0.07	< 0.06	0.01	0.38
12/18/07 10:56	0.49	< 0.06		
12/26/07 10:15	10.58	< 0.06		
01/02/08 12:23	11.55	< 0.06		
01/07/08 20:30	5.52	< 0.06 *	0.03	0.31 *
01/08/08 02:15	2.29	0.35 *	0.02	19.35 *
01/08/08 07:40	2.10	0.25 *	0.04	8.15 *
01/08/08 15:55	4.85	0.21 *	0.06	4.48 *
01/09/08 09:24	9.67	0.16 *	0.05	1.54 *
01/15/08 11:24	13.54	< 0.06	0.02	0.63 *
01/22/08 12:00	12.38	< 0.06		
01/29/08 11:14	9.72	< 0.06		
02/05/08 11:10	3.14	0.24	0.04	2.37
02/05/08 15:37	1.98	0.23	0.03	4.61
02/05/08 18:28	1.42	0.19	0.03	4.80
02/05/08 21:07	1.33	0.16	0.03	3.99
02/06/08 07:44	2.63	0.13	0.02	2.96
02/06/08 11:45	3.07	0.10	0.02	2.36
02/13/08 12:45	10.01	< 0.06	0.01	0.33
02/17/08 04:15	3.09 *	0.23	0.02	5.56
02/17/08 07:27	2.29 *	0.71	0.03	11.88
02/17/08 11:42	2.07 *	0.42	0.03	6.63
02/18/08 13:17	6.11	0.09	0.02	1.16
02/25/08 11:40	7.91	< 0.06	< 0.01	0.40
03/04/08 11:02	9.61	< 0.06 *		
03/11/08 09:48	8.46	< 0.06	0.02	0.39
03/17/08 13:38	6.48	< 0.06	0.02	0.58
03/18/08 08:21	8.21	< 0.06	0.02	0.73
03/24/08 10:47	8.48	< 0.06		
04/01/08 09:35	6.32	< 0.06		
04/07/08 09:41	6.66	< 0.06		
04/15/08 10:34	9.89	< 0.06	0.02	0.32 *
04/22/08 09:51	8.98	< 0.06 *		
04/29/08 10:42	7.65	< 0.06		
05/06/08 10:21	6.53	< 0.06		
05/13/08 09:17	8.95	< 0.06 *		
05/20/08 10:33	7.87	< 0.06	0.05	0.39
05/27/08 11:33	9.02	< 0.06		
06/03/08 01:00	4.16	0.13	0.07	10.38
06/03/08 04:39	1.07	0.25	0.04	23.99
06/03/08 07:29	1.92	0.19	0.04	10.43
06/03/08 11:01	2.84	0.22	0.04	8.31
06/03/08 17:55	5.38	0.11	0.05	4.93
06/03/08 21:15	2.81	0.13	0.04	14.04
06/04/08 07:29	3.90	0.09	0.04	5.33
06/04/08 15:40	5.50	0.08	0.02	2.98
06/05/08 07:08	8.70	< 0.06	0.02	1.51
06/10/08 12:48	11.18	< 0.06	0.06	0.41
06/17/08 09:50	11.85	< 0.06	0.06	0.32
06/24/08 10:15	11.08	< 0.06		
06/30/08 11:47	7.43 *	< 0.06 *		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
07/09/08 12:42	4.94	< 0.06	0.02	0.68
07/15/08 09:39	8.24	< 0.06	0.02	0.50
07/21/08 22:15	1.13	< 0.06	0.02	4.45
07/22/08 09:36	2.31	0.25	0.03	1.38
07/29/08 10:50	3.66	< 0.06		
08/04/08 10:33	3.13	< 0.06		
08/12/08 10:53	2.49	< 0.06		
08/20/08 09:25	0.60	< 0.06	< 0.01	0.48
08/26/08 11:47	0.23	< 0.06		
08/28/08 22:13	0.44	< 0.06	< 0.01	2.48
08/29/08 07:17	1.56	< 0.06	0.03	2.17
09/02/08 11:03	0.64	0.06	0.02	0.60
09/10/08 10:35	4.46	< 0.06		
09/14/08 20:17	1.30	0.07	< 0.01 *	2.57
09/15/08 06:31	2.40	< 0.06	< 0.01	1.55
09/15/08 21:15	3.41	< 0.06	0.02	0.77 *
09/16/08 09:42	3.95	< 0.06	0.01	0.62 *
09/23/08 10:43	5.50	< 0.06	0.02	0.44
10/01/08 10:18	7.87	< 0.06		
10/06/08 10:10	5.39	0.11		
10/14/08 11:51	4.63	< 0.06		
10/21/08 10:56	6.10	< 0.06	0.04	0.30
10/28/08 12:57	6.29	< 0.06		
11/04/08 11:10	4.48	< 0.06		
11/10/08 12:17	4.63	< 0.06		
11/18/08 11:55	4.11	< 0.06	0.04	0.45
11/24/08 12:01	4.28	< 0.06		
12/02/08 11:40	3.95	< 0.06		
12/09/08 15:43	3.32	< 0.06		
12/16/08 10:31	3.55	< 0.06 *	0.04	0.43
12/27/08 16:07	3.36 *	0.51	0.05 *	6.85
12/28/08 12:00	7.39 *	0.37	0.04 *	1.26
12/29/08 12:20	7.42	0.20	0.03 *	0.66
01/06/09 12:18	6.39	< 0.06	< 0.01	< 0.26 *
01/13/09 14:01	5.79	< 0.06		
01/20/09 13:08	5.31	< 0.06	0.02	< 0.26
01/27/09 09:50	4.94	< 0.06		
02/03/09 11:27	4.11	< 0.06		
02/10/09 11:47	3.01	< 0.06		
02/11/09 09:35	2.59	< 0.06	0.02	2.02
02/11/09 13:29	2.98	0.06	0.03	1.79
02/12/09 09:54	6.14	0.13	0.04	0.83
02/17/09 14:32	4.77	< 0.06	0.01	< 0.26
02/25/09 11:06	4.19	< 0.06		
03/03/09 12:18	3.53	< 0.06		
03/09/09 10:26	3.57	< 0.06		
03/10/09 07:24	3.06 *	0.11	0.02 *	3.86
03/16/09 11:52	6.32	< 0.06	0.01	0.38
03/24/09 11:54	4.66	< 0.06		
03/29/09 02:15	4.17	0.21	0.04	7.11
03/30/09 11:46	7.63	0.06	0.04	0.86
04/07/09 10:46	6.42	< 0.06		
04/13/09 10:00	3.93	0.09	0.02	3.31
04/14/09 09:55	7.74	< 0.06	0.02	0.54
04/19/09 16:00	1.59	0.13	0.02	8.74
04/20/09 11:15	7.09	0.07	0.03	1.41
04/27/09 22:38	2.97	< 0.06	0.03 *	3.10
04/28/09 10:01	7.09	< 0.06	0.04	1.14
04/30/09 04:15	3.43	< 0.06	0.02	4.52
04/30/09 13:40	6.45	0.09	0.04	2.33
05/05/09 10:32	7.57	< 0.06	0.02	< 0.26
05/12/09 11:33	7.58	< 0.06		
05/14/09 07:50	7.39	0.16	0.04	4.78
05/19/09 11:28	8.44	< 0.06	0.03	0.33
05/26/09 11:30	8.91	< 0.06		
06/02/09 10:43	8.87	< 0.06		
06/09/09 12:29	8.27	< 0.06		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
06/17/09 11:02	7.73	< 0.06		
06/22/09 11:34	7.64	< 0.06	0.03	0.46 *
06/29/09 11:08	7.98	< 0.06		
07/07/09 11:20	6.12	< 0.06		
07/14/09 11:20	4.46	< 0.06		
07/15/09 09:50	3.33	0.11	0.06	6.04
07/15/09 13:00	2.90	0.10	0.06	3.61
07/20/09 10:52	4.75	< 0.06	0.02	0.40
07/27/09 09:16	3.03	< 0.06		
08/04/09 11:36	1.26	< 0.06	0.02	0.78
08/11/09 10:51	0.59	< 0.06		
08/18/09 07:45	1.32	< 0.06	< 0.01	1.02
08/25/09 13:36	2.14	< 0.06	< 0.01	0.43
09/02/09 13:43	1.03	< 0.06		
09/09/09 13:09	3.09	< 0.06		
09/15/09 13:55	2.04	< 0.06	0.02	0.38
09/20/09 12:30	0.48	< 0.06	< 0.01	6.18
09/20/09 18:20	0.86	0.09	0.02	3.78
09/21/09 08:38	2.88	< 0.06	0.02	1.14
09/28/09 13:03	4.22	< 0.06	0.02	0.36
10/06/09 13:22	2.94	< 0.06		
10/13/09 10:49	4.69	< 0.06	0.01	0.37
10/19/09 14:54	4.62	< 0.06		
10/23/09 02:30	1.16 *	< 0.06	0.02 *	3.06
10/23/09 09:56	1.37 *	< 0.06	0.01 *	2.78
10/24/09 08:06	3.54	< 0.06	0.01	0.87
10/27/09 10:44	4.10	< 0.06	0.01	0.46
10/29/09 16:24	2.96 *	< 0.06	0.01 *	1.64
10/29/09 19:50	1.51 *	< 0.06	0.01 *	3.32
10/30/09 01:04	0.75 *	0.09	0.01 *	3.86
10/30/09 11:19	1.11 *	< 0.06	0.01 *	2.27
10/31/09 09:48	2.75	< 0.06	0.01	1.03
11/03/09 11:30	3.75	< 0.06	0.01	0.43
11/10/09 11:53	3.81	< 0.06		
11/16/09 00:15	1.99	< 0.06	0.01	2.28
11/16/09 10:41	2.64	0.52	0.01	2.14
11/16/09 13:25	1.96	0.15	0.01	2.24
11/17/09 03:15	1.03	0.20	< 0.01	3.76
11/17/09 09:42	1.35	0.40	< 0.01	2.51
11/17/09 21:30	2.48	0.23	0.01	1.68
11/18/09 09:52	2.99	0.16	0.01	1.30
11/24/09 11:05	3.79	< 0.06 *	0.01	0.39 *
11/24/09 15:51	3.68	< 0.06 *	0.01	1.49 *
12/01/09 11:40	3.86	< 0.06 *	0.01	0.44
12/08/09 12:39	3.62	< 0.06 *		
12/15/09 11:45	3.65	< 0.06 *	0.01	0.37
12/21/09 12:37	3.54	< 0.06		
12/24/09 11:05	3.53 *	0.54	0.01 *	1.80
12/29/09 09:25	4.11	0.08	0.01	0.41 *
01/05/10 12:31	3.93	< 0.06	< 0.01 *	0.29 *
01/12/10 11:46	3.60	< 0.06		
01/20/10 11:56	3.25	< 0.06		
01/24/10 00:45	2.54	0.14	0.01	6.07
01/24/10 13:41	2.68	0.18	0.02	2.76
01/25/10 09:43	4.19	0.09	0.01	0.84
01/26/10 10:47	4.33	< 0.06	0.01	0.55
02/02/10 10:48	4.03	< 0.06		
02/09/10 12:18	3.35	< 0.06	< 0.01	0.32
02/16/10 11:33	3.31	< 0.06		
02/21/10 12:51	3.26	< 0.06	0.01	0.68
02/21/10 23:30	1.64	0.18	0.01	4.48
02/22/10 09:56	2.78	0.13	0.01	1.70
02/23/10 10:53	3.79	< 0.06	0.01	0.58
03/02/10 12:00	3.77	< 0.06	0.01	0.33
03/09/10 11:26	3.65	< 0.06	0.01	0.27
03/16/10 10:45	4.14	< 0.06		
03/24/10 11:05	3.33	< 0.06		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
03/28/10 15:17	3.23	< 0.06	0.01	1.05
03/30/10 10:18	3.88	< 0.06	0.01	0.42
04/06/10 11:14	3.06	< 0.06		
04/13/10 11:04	2.99	< 0.06	0.03	0.27
04/21/10 10:45	2.91	< 0.06		
04/25/10 10:56	2.83	0.10	0.05	0.87
04/27/10 10:00	3.31	0.12	0.05	0.98
05/04/10 11:30	4.21	< 0.06		
05/11/10 05:00	7.27	0.35	0.07	7.98
05/11/10 10:03	10.20	0.39	0.09	3.80
05/11/10 15:15	9.25	0.28	0.09	2.32
05/17/10 05:45	3.88	0.24	0.03	10.67
05/17/10 11:57	4.90	0.18	0.03	6.59
05/17/10 20:45	6.61	0.17	0.03	2.65
05/18/10 09:39	6.64	< 0.06	0.03	1.41
05/25/10 11:48	5.66	< 0.06	0.03	0.27
05/25/10 14:44	3.03	0.24	0.02	6.11
05/25/10 17:38	5.75	0.09	0.04	1.42
06/02/10 10:59	4.68	0.06	0.03	2.33
06/08/10 10:45	4.73	< 0.06	0.03	0.46
06/09/10 00:30	1.42	0.46	0.03	10.01
06/09/10 06:50	3.71	0.14	0.03	3.64
06/12/10 17:15	2.69 *	0.11	0.02 *	7.77
06/12/10 20:45	2.33 *	0.08	0.02 *	4.59
06/13/10 02:30	4.29	< 0.06	0.02	1.76
06/13/10 15:35	4.08	< 0.06	0.02	2.06
06/13/10 17:40	3.94	< 0.06	0.02	1.61
06/14/10 08:21	4.64	< 0.06	0.02	1.02
06/15/10 11:20	4.94	< 0.06	0.02	0.64
06/21/10 08:08	4.36	< 0.06	0.02	0.83
06/29/10 11:23	4.61	< 0.06		
07/07/10 07:53	3.87	< 0.06		
07/12/10 13:00	3.25	< 0.06	0.02	0.34
07/19/10 21:00	0.97 *	< 0.06	0.01 *	4.22
07/20/10 02:30	0.84	< 0.06	0.02	2.53
07/20/10 12:20	1.18	< 0.06	0.01	1.75
07/27/10 10:52	3.02	< 0.06	0.01 *	0.39
08/03/10 08:31	1.84	< 0.06		
08/10/10 08:50	0.76	< 0.06		
08/17/10 13:40	1.63	< 0.06	0.01	0.42
08/24/10 11:50	1.06	< 0.06		
08/30/10 08:34	0.64	< 0.06		
09/07/10 06:41	3.61	< 0.06		
09/14/10 11:56	4.01	< 0.06	0.02	0.35
09/21/10 08:21	3.20	< 0.06		
09/28/10 10:09	3.84	< 0.06		
10/05/10 10:01	3.33	< 0.06		
10/12/10 08:35	2.81	< 0.06		
10/19/10 09:51	2.42	< 0.06	0.03	0.41
10/26/10 09:05	1.51	< 0.06		
11/02/10 08:25	1.46	< 0.03		
11/09/10 13:25	1.31	< 0.03		
11/16/10 10:49	1.24	< 0.03	0.02	0.38
11/22/10 11:07	1.24	< 0.03		
11/29/10 12:50	4.51	< 0.03		
12/07/10 09:44	4.34	< 0.03		
12/14/10 11:03	4.21	0.06	0.01	0.35
12/21/10 09:52	3.13	0.05		
12/28/10 10:37	3.06	0.04		
12/31/10 16:02	3.28 *	0.26	0.02 *	4.32
12/31/10 19:25	4.48 *	0.51	0.04 *	7.14
01/01/11 13:01	7.57	0.33	0.03 *	1.65
01/04/11 10:42	5.71	0.10	0.01	0.54
01/11/11 12:30	4.41	0.04	0.01	0.45
01/19/11 15:05	3.79	0.05		
01/24/11 11:35	3.60	< 0.03		
01/31/11 12:33	3.24	< 0.03		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
02/09/11 14:00	3.15	< 0.03		
02/15/11 10:42	3.68	0.08	0.01	0.75
02/17/11 14:45	4.17	0.20	0.02	2.35
02/18/11 11:06	6.12	0.19	0.02	1.14
02/22/11 12:12	5.64	0.08	0.02	0.72
02/27/11 22:45	3.50	0.20	0.01	8.47
02/28/11 11:09	5.53	0.15	0.02	2.80
03/07/11 12:32	6.13	< 0.03	0.01	0.56
03/15/11 09:10	5.26	< 0.03	0.01	0.44
03/22/11 09:40	4.20	< 0.03		
03/29/11 09:43	3.62	< 0.03		
04/05/11 09:42	3.10	< 0.03		
04/12/11 11:37	2.95	0.05	0.04	< 0.26
04/19/11 11:16	2.39	0.07	0.02	1.73
04/22/11 10:15	1.83 *	0.28	0.03 *	8.14
04/22/11 15:15	2.28 *	0.49	0.03 *	10.48
04/22/11 18:51	3.95 *	0.31	0.03 *	4.70
04/25/11 11:45	5.94	0.04	0.01	0.52
05/03/11 10:15	4.71	< 0.03		
05/10/11 10:10	3.84	< 0.03		
05/17/11 09:48	3.98	< 0.03	0.03	0.32
05/24/11 06:24	5.75	0.07		
05/25/11 10:45	3.64	0.51	0.07	10.82
05/25/11 13:25	4.29	0.24	0.05	6.42
05/25/11 22:45	2.57	0.27	0.03	8.14
05/26/11 14:24	7.34	0.14	0.03	1.21
05/31/11 10:00	6.53	0.05	0.04	0.51
06/07/11 08:51	5.90	< 0.03		
06/14/11 04:12	4.12	0.12	0.04	1.15
06/14/11 09:34	3.85	0.06	0.04	2.45
06/15/11 08:32	5.10	0.09	0.04	1.95
06/21/11 09:02	5.28	< 0.03	0.03	0.40
06/26/11 01:30	2.12	0.07	0.02	8.45
06/26/11 23:48	3.38	0.09	0.02	4.33
06/27/11 03:20	1.68	0.13	0.02	6.98
06/27/11 07:10	1.25	0.12	0.02	4.32
06/27/11 14:00	3.41	< 0.03	0.02	1.90
06/28/11 07:57	5.97	< 0.03	0.02	0.63
07/05/11 10:04	5.74	0.04	0.03	< 0.26
07/12/11 09:11	3.49	< 0.03	0.03	0.34
07/19/11 09:26	1.63	< 0.03		
07/26/11 09:21	0.81	< 0.03		
08/01/11 11:24	0.58	< 0.03		
08/09/11 08:57	0.21	< 0.03		
08/15/11 12:20	< 0.07	< 0.03	< 0.01	< 0.26
08/22/11 11:39	< 0.07	< 0.03		
08/30/11 09:15	< 0.07	< 0.03		
09/06/11 09:41	< 0.07	< 0.03		
09/13/11 09:11	< 0.07	< 0.03	< 0.01	0.32
09/20/11 08:56	< 0.07	< 0.03		
09/27/11 10:56	< 0.07	< 0.03		
10/04/11 11:58	< 0.07	5.99		
10/11/11 15:22	< 0.07	0.12		
10/18/11 10:14	< 0.07	< 0.03	< 0.01	0.51
10/26/11 12:20	< 0.07	< 0.03		
11/01/11 12:48	< 0.07	< 0.03		
11/08/11 13:48	< 0.07	< 0.03		
11/15/11 11:31	< 0.07	< 0.03	< 0.01	0.46
11/21/11 14:00	< 0.07	< 0.03		
11/29/11 14:04	< 0.07	< 0.03		
12/07/11 14:14	< 0.07	< 0.03		
12/13/11 12:38	0.59	< 0.03	< 0.01	< 0.26
12/14/11 19:00	0.56	0.03	0.01	1.62
12/14/11 19:52	0.54	< 0.03	0.01	1.45
12/20/11 12:51	0.49	< 0.03	< 0.01	0.48
12/28/11 12:42	1.88	< 0.03		
01/04/12 14:05	0.14	< 0.03		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
01/10/12 12:39	< 0.07	< 0.03	< 0.01	0.32
01/17/12 12:54	< 0.07	< 0.03		
01/24/12 13:58	< 0.07	< 0.03		
01/31/12 13:07	< 0.07	< 0.03		
02/07/12 13:16	< 0.07	< 0.03		
02/14/12 13:41	< 0.07	< 0.03	< 0.01	< 0.26
02/21/12 12:38	< 0.07	< 0.03		
02/28/12 12:11	< 0.07	< 0.03		
03/06/12 13:42	< 0.07	< 0.03		
03/13/12 12:31	< 0.04	< 0.03	< 0.01	0.28
03/20/12 11:59	< 0.04	< 0.03		
03/27/12 13:14	< 0.04	< 0.03		
04/03/12 13:25	< 0.04	< 0.03		
04/10/12 13:56	< 0.04 *	< 0.03 *	< 0.01	0.47
04/17/12 13:58	< 0.04	< 0.03		
04/24/12 14:58	< 0.04	< 0.03		
05/01/12 18:59	7.05	0.28		
05/07/12 13:17	8.57	0.09		
05/15/12 11:51	5.36	< 0.03	0.10	0.39
05/22/12 11:41	3.35	0.06		
05/30/12 11:59	1.53	0.03		
06/05/12 12:05	1.24	0.04		
06/12/12 10:27	< 0.04	< 0.03	< 0.01	1.13
06/19/12 10:54	< 0.04	< 0.03		
06/26/12 16:57	< 0.04	< 0.03		
07/02/12 13:41	< 0.04	< 0.03		
07/10/12 14:32	< 0.04	< 0.03	< 0.01	1.25
07/17/12 12:23	< 0.04	0.25		
07/24/12 12:49	< 0.04	< 0.03		
07/31/12 12:52	< 0.04	< 0.03		
08/07/12 11:49	< 0.04	< 0.03		
08/14/12 13:10	< 0.04	0.21	< 0.01	1.05 *
08/21/12 07:07	< 0.04	0.74		
08/28/12 06:45	< 0.04	1.45		
09/01/12 04:00	0.09	0.04	0.01	0.67
09/01/12 06:59	0.85	< 0.03	0.02	1.48
09/01/12 12:33	1.32	< 0.03	0.02	1.71
09/02/12 09:41	0.57	< 0.03	0.01	1.16
09/04/12 07:40	0.16	0.03	0.01	0.81
09/11/12 07:02	< 0.04	0.08	< 0.01	0.58
09/17/12 11:25	< 0.04	0.06		
09/25/12 11:37	0.06	0.16		
10/02/12 14:02	< 0.04	< 0.03		
10/09/12 12:10	< 0.04	< 0.03		
10/15/12 12:42	< 0.04	< 0.03	< 0.01	0.58
10/22/12 17:09	0.25	< 0.03		
10/30/12 09:54	< 0.04	< 0.03		
11/06/12 13:17	< 0.04	0.06		
11/12/12 14:46	< 0.04	< 0.03	< 0.01	0.45
11/19/12 14:01	< 0.04	< 0.03		
11/27/12 11:47	< 0.04	0.08		
12/04/12 13:01	< 0.04	< 0.03		
12/11/12 11:00	< 0.04	< 0.03	< 0.01	0.36
12/18/12 12:51	< 0.04	< 0.03		
12/27/12 10:26	< 0.04	< 0.03		
01/02/13 10:49	< 0.04	0.03		
01/08/13 10:32	< 0.04	< 0.03		
01/11/13 12:41	1.40 *	0.44	0.03 *	4.41
01/11/13 21:45	1.36 *	0.24	0.04 *	2.83
01/12/13 09:43	1.31	0.20	0.04	1.74
01/14/13 12:56	1.51	< 0.03	0.05	0.80
01/22/13 11:05	8.44	< 0.03	0.21	0.77
01/29/13 10:54	2.19	< 0.03		
01/31/13 14:17	2.88	< 0.03	0.03	0.97
02/05/13 10:14	7.35	< 0.03	0.04	0.45
02/12/13 10:31	7.58	< 0.03	0.03	0.43
02/19/13 10:27	6.86	< 0.03		

Table D1. (Continued)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
02/25/13 09:48	5.88	< 0.03		
03/05/13 08:40	9.42	< 0.03		
03/11/13 11:20	13.63	0.04	0.04	0.47
03/12/13 07:58	14.30	< 0.03	0.03	0.33
03/19/13 10:12	13.34	< 0.03	0.03	< 0.26
03/26/13 10:20	9.22	< 0.03		
04/02/13 10:11	12.10	< 0.03		
04/09/13 09:22	9.08	< 0.03		
04/10/13 20:30	2.89	0.14	0.04	16.27
04/11/13 00:26	2.85	0.24	0.02	8.58
04/11/13 03:20	4.79	0.20	0.02	7.08
04/12/13 06:31	13.86	0.05	0.03	1.09
04/16/13 11:18	9.76	< 0.03	0.01 *	1.38
04/18/13 16:16	6.33	0.07	0.05	3.46
04/18/13 23:15	8.41	< 0.03	0.06	2.04
04/19/13 08:02	10.33	0.09	0.05	1.24
04/22/13 09:41	12.21	< 0.03	0.02	0.44
04/30/13 09:39	10.81	< 0.03		
05/03/13 08:35	8.23	< 0.03	0.04	0.59
05/03/13 12:33	6.21	< 0.03	0.03	1.17
05/03/13 16:52	5.51	0.12	0.06	2.09
05/03/13 22:15	6.18 *	0.37	0.05 *	4.91
05/04/13 12:43	9.01 *	0.23	0.04 *	1.84
05/05/13 07:15	11.56 *	< 0.03	0.04	0.90 *
05/06/13 10:10	11.95	< 0.03	0.03	0.83
05/14/13 09:41	12.36	< 0.03	0.03	< 0.26
05/21/13 09:32	9.77	< 0.03		
05/28/13 09:52	9.80	< 0.03	0.04	1.16
05/28/13 14:25	10.41	< 0.03	0.04	1.44
06/03/13 09:09	10.04	< 0.03	0.02	0.69
06/11/13 09:33	11.92	< 0.03	0.06	< 0.26
06/18/13 10:20	12.04	< 0.03	0.05	0.36
06/24/13 09:41	10.54	< 0.03	0.04	
07/01/13 08:51	10.33	< 0.03		
07/08/13 08:52	8.88	< 0.03	0.08	0.28 *
07/16/13 09:13	5.66	< 0.03	0.06	< 0.26 *
07/23/13 13:15	2.49	< 0.03		
07/29/13 09:39	1.15 *	< 0.03		
08/05/13 09:57	0.67	< 0.03		
08/13/13 09:53	0.13	< 0.03	< 0.01	< 0.26
08/19/13 09:26	< 0.04	< 0.03		
08/26/13 10:01	< 0.04	< 0.03		
09/03/13 08:10	< 0.04	0.03		
09/08/13 12:00	0.68 *	0.05	0.02	3.21 *
09/09/13 09:43	0.25	0.04	0.01	1.14 *
09/17/13 09:13	< 0.04	< 0.03		
09/24/13 10:00	< 0.04	0.06		
10/01/13 09:54	< 0.04 *	0.05		
10/08/13 11:41	< 0.04	0.03 *		
10/15/13 10:28	< 0.04	< 0.03	< 0.01	0.38
10/22/13 10:37	< 0.04	0.04		
10/29/13 08:41	< 0.04	0.04		
10/31/13 12:34	< 0.04	< 0.03	< 0.01	0.80
10/31/13 15:50	0.05	< 0.03	0.01	1.11
11/05/13 10:54	< 0.04	< 0.03	< 0.01	0.57
11/12/13 11:46	< 0.04	< 0.03	< 0.01	0.47
11/19/13 10:44	< 0.04	< 0.03		
11/26/13 10:30	< 0.04	< 0.03		
12/03/13 10:32	< 0.04	< 0.03		
12/10/13 11:43	< 0.04	< 0.03 *		
12/17/13 12:46	< 0.04	< 0.03	< 0.01	< 0.26 *
12/22/13 10:19	0.11	< 0.03		
01/02/14 12:05	< 0.04	< 0.03		
01/08/14 10:12	0.16	0.04		
01/13/14 09:40	1.47	0.39	0.03	1.49
01/21/14 12:34	0.63	0.05		
01/29/14 11:24	0.63	0.03		

Table D1. (Concluded)

<i>Date/Time (CST)</i>	<i>NO₃-N (mg/L)</i>	<i>NH₄-N (mg/L)</i>	<i>NO₂-N (mg/L)</i>	<i>TKN (mg/L)</i>
02/03/14 09:28	0.54	0.04		
02/11/14 10:29	0.40	0.10	0.01	0.36
02/18/14 11:26	0.51	0.16		
02/20/14 10:33	0.73	0.50	0.02	1.84
02/20/14 16:02	0.49	0.37	0.02	2.08
02/20/14 17:48	0.48	0.38	0.02	2.02
02/21/14 10:41	0.88 *	0.36	0.02	1.59
02/21/14 16:03	0.88 *	0.33	0.02	1.96
02/25/14 11:43	1.06	0.13	0.02	0.59
03/04/14 12:27	0.57	0.14		
03/11/14 10:48	0.54	0.07	0.01	0.63
03/18/14 10:51	0.78	0.07		
03/25/14 10:52	0.20	< 0.03		
04/01/14 09:54	< 0.04	< 0.03		
04/03/14 09:19	1.06	0.16	0.03	5.01 *
04/03/14 13:18	1.32	0.07	0.01	2.60
04/08/14 10:11	1.19	< 0.03	0.01	< 0.16
04/15/14 10:09	0.28	< 0.03	0.01	0.30
04/22/14 10:04	< 0.04	< 0.03		
04/28/14 07:20	< 0.04	< 0.03	< 0.01	< 0.16
05/06/14 10:07	< 0.04	< 0.03		
05/13/14 10:12	0.48	0.34	0.11	0.96
05/20/14 10:38	2.76	< 0.03		
05/27/14 10:08	1.78	0.05		
06/03/14 11:33	3.01	0.12		
06/04/14 06:30	2.17	0.14	0.16	4.49
06/04/14 13:22	3.36	0.16	0.15	2.58
06/10/14 09:50	5.32	0.05	0.05	1.68
06/10/14 14:59	5.76	0.06	0.05	1.40
06/17/14 10:28	7.54	< 0.03	0.08	0.64
06/24/14 10:21	6.43	< 0.03	0.03	0.50
07/01/14 09:14	5.62	< 0.03		
07/08/14 10:38	1.49	0.07	0.04	2.90
07/15/14 09:49	2.43	< 0.03		
07/22/14 07:59	0.67	< 0.03		
07/29/14 10:58	0.10	< 0.03		
08/05/14 10:20	0.05	< 0.03	0.01	0.63
08/12/14 10:16	< 0.04	< 0.03		
08/19/14 13:21	< 0.04	< 0.03		
08/26/14 11:19	0.20	< 0.03		
09/03/14 10:27	0.88	< 0.03	0.01	0.54
09/09/14 11:08	0.32	0.04	0.01	1.48
09/09/14 13:05	0.50	0.15	0.02	8.16
09/09/14 15:33	0.71	0.19	0.03	7.27
09/09/14 23:45	1.77	< 0.03	0.02	2.48
09/10/14 09:31	0.48	0.13	0.01	8.15
09/10/14 14:31	0.80	0.04	0.01	3.60
09/10/14 17:58	0.94	0.05	0.02	5.54
09/11/14 09:05	2.64	0.04	0.02	2.12
09/16/14 11:45	5.15	0.03	0.02	0.70
09/23/14 08:52	4.95	< 0.03		
09/30/14 09:32	4.74	< 0.03		