

Table D2. Nitrogen Concentrations for Cox Creek (Station 202)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
10/22/99 08:19		0.27		
10/22/99 10:11	0.20 *			
11/10/99 10:00		0.05		
11/10/99 10:04	< 0.13			
12/02/99 06:41		< 0.04		
12/02/99 06:46	0.19			
12/14/99 13:22	0.46	< 0.04		
12/27/99 13:33	0.90	< 0.04		
01/12/00 13:38	0.33	< 0.04		
01/25/00 12:28	0.73	< 0.04		
02/08/00 13:29	0.87	< 0.04		
02/22/00 12:39	0.59	< 0.07 *		
03/07/00 10:18	< 0.06 *	< 0.07		
03/14/00 13:12	< 0.06 *	< 0.07		
03/22/00 11:13	0.13	< 0.07		
03/28/00 13:01	< 0.06 *	< 0.07	< 0.05	0.44
04/04/00 09:50	< 0.06	< 0.07		
04/11/00 10:17	< 0.06	< 0.07		
04/18/00 09:29	< 0.06	< 0.07		
04/25/00 10:28	< 0.06	< 0.07	< 0.05	0.40
05/02/00 09:40	< 0.06	0.07		
05/10/00 08:48	0.08	1.14		
05/16/00 10:35	0.16	1.08		
05/23/00 06:00	0.33	0.83	0.16	2.31
05/27/00 05:48	2.65 *	0.32	0.05 *	4.98
05/30/00 08:29	4.22	0.58		
06/06/00 08:35	0.74	0.15		
06/14/00 10:32	10.05	0.18		
06/20/00 08:04	6.51	0.08		
06/20/00 18:40	1.09	0.25	0.05 *	9.04
06/26/00 03:11	12.29	0.07	0.06 *	1.08
07/05/00 08:34	1.58	< 0.07	< 0.05	6.02
07/11/00 05:17	2.58	0.24		
07/18/00 08:44	12.54	0.07		
07/25/00 08:40	9.49	< 0.07	0.05	0.55
08/01/00 08:24	4.59	< 0.07		
08/08/00 08:15	1.50	0.16		
08/15/00 08:31	0.52	0.31		
08/22/00 08:30	0.09	0.14		
08/30/00 08:53	< 0.06	7.87	< 0.05	12.66
09/05/00 09:36	< 0.06	6.05		
09/12/00 07:46	0.31 *	2.32		
09/19/00 09:35	0.15	0.84		
09/26/00 07:41	0.20	0.14	< 0.05	1.14
10/03/00 08:17	< 0.06	2.93		
10/10/00 14:46	0.08	0.15		
10/18/00 09:17	< 0.06	< 0.07		
10/24/00 08:17	< 0.06	0.10	< 0.05	1.20
10/31/00 11:31	< 0.06	0.09		
11/06/00 13:08	0.11	0.06		
11/14/00 15:05	10.43	0.05		
11/20/00 12:23	10.01	0.06		
11/28/00 10:01	7.75	0.03	0.04	0.48
12/05/00 11:03	7.92	0.03		
12/12/00 11:30	7.62	0.03 *		
12/19/00 12:18	8.07	0.04	0.03	0.60
12/26/00 13:08	7.04	0.05		
01/02/01 13:05	6.44	< 0.03		
01/09/01 11:58	6.26	0.88		
01/16/01 13:00	7.59	2.11	0.09	4.52
01/23/01 11:20	8.98	< 0.07		
01/29/01 14:15	0.92	0.50	0.02 *	3.38
01/29/01 17:15	1.25	0.48	0.02 *	4.04
01/30/01 12:50	6.97	0.54	0.03	2.72
02/06/01 10:00	13.07	< 0.07		
02/13/01 12:26	13.52	< 0.07		
02/20/01 13:00	13.36	< 0.07	0.02 *	< 0.14

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
02/27/01 12:00	13.61	< 0.07		
03/06/01 09:25	13.98	< 0.07		
03/13/01 12:00	12.66	< 0.07		
03/20/01 12:32	13.81	< 0.07	< 0.02	< 0.14
03/26/01 11:56	13.27	< 0.07		
04/03/01 10:25	11.93	< 0.07		
04/10/01 10:40	8.94	< 0.07		
04/17/01 09:25	12.63	< 0.07	0.04	< 0.14
04/24/01 08:21	10.61	< 0.07		
05/01/01 08:32	9.68	0.12		
05/08/01 08:28	14.14	0.09		
05/15/01 09:55	11.20	< 0.07	0.17	0.33
05/22/01 11:41	13.58	< 0.07		
05/30/01 14:55	12.19	0.08		
06/05/01 08:08	16.80 *	< 0.07		
06/06/01 06:13	2.44	1.03	0.02	11.26
06/06/01 12:04	8.70	0.38	0.04	2.60
06/12/01 14:26	16.46	0.13		
06/19/01 10:10	14.87	< 0.07		
06/26/01 08:42	13.12	< 0.07	0.13	1.00
07/02/01 11:51	11.21	< 0.07		
07/10/01 13:42	6.18	0.23		
07/17/01 13:50	2.73	< 0.07		
07/24/01 11:29	0.59	0.42	0.08	2.98
07/31/01 10:16	0.09	1.06		
08/07/01 09:33	0.11	0.78		
08/14/01 09:33	0.17	3.10		
08/21/01 09:48	0.12	1.06	0.06	3.38
08/28/01 08:40	0.10	1.60		
09/04/01 09:49	0.16	1.83		
09/11/01 09:49	0.07	3.20		
09/18/01 11:35	0.08	3.72	0.07	5.89
09/25/01 11:54	0.11	1.12		
10/02/01 10:05	0.35	1.79		
10/09/01 11:19	0.12	0.24		
10/16/01 07:08	0.20	< 0.08	< 0.02	1.44
10/23/01 10:45	< 0.06	0.22		
10/30/01 12:55	< 0.06	< 0.08		
11/06/01 11:51	< 0.06	< 0.08		
11/13/01 15:20	< 0.06	< 0.08	< 0.02	0.67
11/20/01 14:53	< 0.06	< 0.08		
11/27/01 09:34	0.33	0.10		
12/04/01 12:50	0.26	< 0.08		
12/11/01 13:08	0.12	< 0.08		
12/19/01 12:55	2.39	< 0.08	0.04	0.73
12/26/01 12:15	5.94	< 0.08		
01/02/02 12:16	7.25	< 0.08		
01/08/02 12:25	5.82	< 0.08		
01/15/02 07:40	3.87	< 0.08		
01/22/02 15:18	3.90	< 0.08	0.02	0.45
01/29/02 08:55	2.44	< 0.08		
02/05/02 10:10	16.09	0.04		
02/13/02 14:59	14.09	0.03		
02/19/02 15:17	11.16	0.07	0.02	0.46
02/26/02 11:34	13.14	< 0.03		
03/05/02 12:01	14.54	< 0.03		
03/12/02 11:43	14.32	0.04		
03/19/02 11:59	12.88	0.09	0.04	< 0.27
03/26/02 10:39	12.23	0.04		
04/02/02 11:04	11.22	< 0.03		
04/09/02 12:57	14.03	< 0.03		
04/16/02 09:43	11.91	< 0.03		
04/21/02 12:00	11.15 *	0.20	0.05 *	2.95
04/22/02 10:41	18.14 *	0.06	0.04	< 0.27
04/23/02 08:28	17.57 *	0.06	0.03	< 0.27
04/24/02 14:45	4.68	0.30	0.04	18.25
04/24/02 17:35	2.20	0.33	0.02	14.25

Table D2. (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 19:00	4.14	0.25	0.04	8.92
04/25/02 00:35	9.11	0.15	0.05	3.00
04/25/02 04:05	10.90	0.12	0.05	2.34
04/30/02 07:38	13.59	0.07	0.02	0.61
05/07/02 06:00	3.82	0.20	0.03	7.06
05/07/02 12:28	11.45	0.10	0.05	1.73
05/12/02 05:45	0.89 *	0.08	0.01 *	10.60
05/13/02 08:31	8.47 *	0.09	0.02	1.46
05/14/02 09:17	11.76	0.07	0.02	0.79
05/21/02 08:26	14.35	0.03	0.02	< 0.27
05/28/02 09:54	14.28	0.06		
06/04/02 13:08	15.17 *	0.05		
06/11/02 14:18	7.28	0.20		
06/18/02 11:12	15.89 *	0.05	0.05	0.25
06/25/02 08:13	14.62	0.05		
07/01/02 12:11	12.91	0.05		
07/09/02 11:50	10.60	0.08		
07/15/02 13:25	7.01	0.04		
07/23/02 08:15	2.88	0.13	0.15	2.15
07/26/02 05:45	1.17	0.19	0.02 *	11.08
07/26/02 09:20	1.29	0.15	0.03 *	4.47
07/26/02 13:05	1.57	0.14	0.04 *	2.94
07/30/02 08:28	3.82	0.05	0.04	0.50
08/06/02 07:46	2.76	0.10		
08/12/02 10:56	1.51	0.04		
08/20/02 10:37	1.49	0.04	0.02 *	1.37
08/27/02 10:01	1.35	0.07		
09/03/02 11:05	0.82	0.11		
09/10/02 08:55	0.47	0.27		
09/16/02 11:51	0.33	0.06	0.01	0.43
09/23/02 11:03	0.25	0.05		
10/01/02 08:05	0.16	0.23		
10/08/02 09:27	< 0.06	0.06		
10/15/02 09:27	< 0.06	< 0.03	< 0.01 *	0.64
10/21/02 10:49	0.42	< 0.03		
10/28/02 11:56	0.29	< 0.03		
11/06/02 12:25	0.25	< 0.03		
11/12/02 11:35	< 0.06	< 0.03	< 0.01	0.73
11/18/02 13:52	0.11	< 0.03		
11/25/02 11:44	0.27	< 0.03		
12/03/02 11:31	0.70	< 0.03		
12/10/02 08:33	1.34	< 0.03		
12/17/02 11:01	1.03	< 0.03	0.02	0.19
12/23/02 10:03	1.33	0.04		
12/30/02 10:13	1.36	0.03		
01/07/03 11:31	1.14	< 0.03	0.01	0.25
01/14/03 11:26	1.52	< 0.03		
01/21/03 12:21	1.99	< 0.03		
01/28/03 11:34	2.32	< 0.03		
02/05/03 12:11	2.30	< 0.03	0.04	0.54
02/10/03 12:44	1.98	< 0.03		
02/18/03 12:11	2.55	0.18		
02/25/03 11:37	4.15	0.15		
03/04/03 12:06	3.27	0.06		
03/10/03 11:26	3.92	< 0.03	0.04	0.50
03/18/03 11:01	1.34	0.04		
03/25/03 12:50	3.84	< 0.03		
04/01/03 11:21	4.23	< 0.03		
04/08/03 11:11	9.06	< 0.03		
04/15/03 08:20	6.38	0.05 *	0.13	0.57
04/22/03 08:11	8.60	0.05		
04/29/03 08:28	11.18	0.06		
05/06/03 07:50	14.44	0.11		
05/13/03 08:43	16.37	0.07	0.03	0.54
05/21/03 10:16	13.80	0.05		
05/27/03 10:46	12.69	0.06		
06/02/03 10:51	12.08	0.08		

Table D2. (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>
06/10/03 08:09	9.32	0.16		
06/11/03 01:45	1.68	0.20	0.06	15.22
06/11/03 15:36	11.74	0.11	0.06	1.37
06/17/03 08:54	12.90	0.07	0.11	0.66
06/24/03 10:51	11.45	0.12		
07/01/03 08:11	8.79	0.10		
07/08/03 10:06	6.68	0.13		
07/10/03 00:24	1.49	0.15	0.05	5.74
07/10/03 05:50	2.41	0.18	0.04	2.21
07/15/03 10:21	7.30	0.10	0.06	1.84
07/22/03 11:11	4.34	0.03		
07/29/03 11:21	2.46	0.05		
08/05/03 11:16	1.00	0.08		
08/13/03 09:31	0.12	0.17		
08/19/03 10:50	0.12	1.16	0.06	3.34
08/26/03 08:36	< 0.07	8.36		
09/01/03 12:00	0.52	0.07	< 0.02 *	2.36
09/02/03 12:15	1.38	0.11	< 0.02	1.08
09/09/03 10:45	0.88	0.17	0.02	1.53
09/16/03 10:00	0.11	0.09	< 0.02	1.44
09/23/03 10:41	0.21	0.07		
09/30/03 09:46	< 0.07	0.08		
10/06/03 10:36	< 0.07	< 0.03		
10/14/03 12:01	0.50	0.05		
10/21/03 13:20	< 0.07	0.06	< 0.02	1.49
10/27/03 11:56	< 0.07	< 0.03		
11/04/03 11:11	< 0.07	< 0.03		
11/12/03 10:16	0.23	0.04		
11/17/03 10:13	0.07	< 0.03	< 0.02 *	0.47
11/18/03 06:15	2.68	1.46	0.05	4.24
11/18/03 10:15	3.08	1.00	0.06	3.39
11/24/03 13:57	9.08	0.04	0.04	0.61
12/02/03 12:46	7.69	0.03		
12/08/03 09:58	8.03	0.03		
12/17/03 12:01	8.26	< 0.03	0.02	0.28
12/22/03 11:55	8.36	< 0.03		
12/29/03 12:31	9.72	< 0.03		
01/06/04 12:51	13.13	< 0.03		
01/13/04 09:19	10.83	0.04	0.03	0.36
01/20/04 12:15	10.91	< 0.03		
01/27/04 11:46	10.10	< 0.03		
02/02/04 13:10	9.06	< 0.03		
02/09/04 12:56	8.86	0.05		
02/17/04 13:21	8.13	< 0.03	0.02	0.32
02/24/04 12:45	7.41	0.06		
03/02/04 11:46	7.57	0.03		
03/09/04 13:11	11.80	< 0.03		
03/16/04 11:56	10.58	< 0.03	0.03	0.38
03/22/04 11:41	9.43	< 0.03		
03/29/04 13:11	13.03	< 0.03		
04/07/04 15:54	10.73	< 0.03		
04/13/04 08:30	10.65	< 0.03	0.06	0.39
04/20/04 08:20	7.66	0.34		
04/27/04 08:36	12.75	0.07		
05/04/04 08:06	10.80	0.07		
05/11/04 07:39	8.55	0.16		
05/18/04 10:16	15.20	0.08	0.07	0.53
05/24/04 23:40	3.93	0.34	0.06 *	17.47
05/25/04 02:31	2.66	0.53	0.04	12.02
05/25/04 05:05	6.22	0.34	0.05	5.40
05/25/04 15:40	16.40	0.12	0.06	1.37
06/01/04 11:10	13.89	0.06		
06/08/04 09:41	13.76	0.07		
06/15/04 09:35	3.11	0.91	0.07	8.77
06/15/04 11:00	2.41	0.27	0.04	6.94
06/15/04 13:30	3.23	0.13	0.04	3.35
06/16/04 09:20	11.15	0.06	0.06	0.75

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
06/22/04 07:16	11.26	0.06	0.11	0.78
06/28/04 10:41	9.08	< 0.04		
07/06/04 09:16	3.97	0.06		
07/10/04 23:00	1.84	0.05	0.03 *	2.51
07/11/04 11:11	7.29	0.07	0.05	1.20
07/13/04 08:16	7.52	0.08	0.10	0.99
07/19/04 09:13	6.48	< 0.04	0.04	0.62
07/27/04 08:06	4.04	0.04		
08/03/04 08:41	2.29	0.11		
08/10/04 07:31	0.84	0.18		
08/17/04 09:45	0.11	< 0.04	0.01	1.51
08/24/04 09:50	0.25	0.34		
08/25/04 15:20	0.30	0.18	0.02	2.11
08/25/04 18:10	0.57	0.24	0.02	7.68
08/25/04 21:40	0.93	0.11	0.02	3.50
08/26/04 00:40	1.34	0.09	0.02	2.59
08/26/04 11:50	3.66	0.09	0.02	1.78
08/31/04 10:51	8.00	< 0.04	0.05	0.65
09/08/04 07:06	6.78	0.05		
09/14/04 10:02	5.24	0.09	0.09	0.95
09/21/04 07:26	2.86	0.10		
09/28/04 09:41	1.70	0.06		
10/05/04 07:46	1.67	0.05		
10/12/04 11:36	1.69	< 0.04		
10/19/04 07:28	8.77	< 0.04	0.03	1.09
10/26/04 14:09	10.65	< 0.04	0.09	0.66
11/03/04 09:03	12.10	< 0.04	0.02	0.77
11/08/04 12:01	12.49	< 0.06		
11/16/04 08:55	12.44	< 0.06	0.03	0.37 *
11/22/04 12:29	11.54	< 0.06		
11/30/04 08:48	12.05	0.11	0.02	0.84
12/07/04 10:06	6.07	0.27	0.03	4.06
12/07/04 14:02	5.89	0.26	0.04	2.16
12/14/04 11:41	12.52	< 0.06	0.01	0.38
12/21/04 09:43	12.00	< 0.06		
12/28/04 11:26	11.24	< 0.06		
01/04/05 10:46	12.05	< 0.06	0.02	0.68
01/11/05 11:46	12.69	< 0.06	0.01	< 0.29
01/12/05 22:15	2.52	0.25	0.03	14.60
01/13/05 15:06	6.20	0.16	0.02	1.82
01/19/05 11:05	12.40	< 0.06	0.01	< 0.29
01/25/05 10:51	11.78	< 0.06		
02/01/05 10:27	11.18	< 0.06		
02/08/05 11:06	12.05	< 0.06		
02/15/05 10:50	12.22	< 0.06	0.01	0.56
02/22/05 12:39	11.64	< 0.06		
03/01/05 10:41	10.46	< 0.06		
03/08/05 08:56	10.21	< 0.06		
03/15/05 08:29	9.96	< 0.06	0.03	0.37
03/22/05 14:01	9.24	< 0.06		
03/29/05 10:48	8.76	< 0.06		
04/05/05 10:36	7.98	< 0.06		
04/11/05 10:07	7.42	< 0.06	0.12	0.66
04/19/05 08:46	9.24	< 0.06		
04/26/05 08:02	8.94	< 0.06		
05/03/05 10:02	8.56	< 0.06		
05/10/05 08:01	6.89	0.16		
05/17/05 10:16	7.85	0.11	0.19	0.61
05/24/05 08:56	7.55	0.28		
05/31/05 11:06	7.38	0.14		
06/07/05 09:46	6.49	0.12		
06/14/05 09:35	6.07	0.07	0.14	0.71
06/21/05 10:08	4.14	< 0.06		
06/28/05 09:26	0.74	0.10		
07/05/05 10:56	0.08	0.07		
07/12/05 09:16	0.07	0.19	0.01	1.09
07/19/05 11:36	< 0.07	0.06		

Table D2. (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>
07/26/05 09:55	< 0.07	0.63		
08/02/05 10:26	< 0.07	< 0.06		
08/09/05 11:32	< 0.07	< 0.06		
08/16/05 12:02	< 0.07	< 0.06	< 0.01	1.74
08/23/05 09:54	< 0.07	0.89		
08/30/05 08:06	< 0.07	1.52		
09/06/05 08:26	0.26	1.86		
09/13/05 08:33	< 0.07	3.82	0.06	9.31
09/20/05 07:55	3.65	0.11	0.13	1.48
09/27/05 08:01	0.16	1.02		
10/04/05 07:52	< 0.07	0.19		
10/11/05 08:53	0.11	0.93		
10/18/05 07:30	< 0.07	< 0.06	< 0.01	4.72
10/25/05 07:37	< 0.07	< 0.06		
11/01/05 08:36	< 0.07	< 0.06		
11/08/05 08:49	< 0.07	0.16		
11/15/05 07:56	< 0.07	0.07	0.01	1.04
11/21/05 09:13	< 0.07	0.07		
11/28/05 08:43	< 0.07	< 0.06		
12/06/05 08:37	< 0.07	< 0.06		
12/13/05 08:20	0.19	< 0.06	0.01	0.66
12/20/05 08:36	0.24	< 0.06		
12/27/05 08:19	0.69	< 0.06		
01/03/06 08:36	0.77	< 0.06		
01/10/06 08:28	0.14	< 0.06 *	< 0.01	0.44
01/17/06 09:06	0.53	< 0.06		
01/24/06 08:16	0.35	< 0.06		
01/31/06 08:27	1.75	< 0.06		
02/07/06 08:25	2.86	< 0.06	0.03	0.44
02/14/06 11:02	2.30	< 0.06		
02/21/06 09:07	1.17	< 0.06		
02/28/06 08:31	0.94	< 0.06		
03/07/06 11:43	0.53	< 0.06		
03/15/06 09:10	13.39	< 0.06	0.04	0.55
03/20/06 12:47	10.83	< 0.06		
03/28/06 08:38	10.07	< 0.06		
04/04/06 08:04	10.01	< 0.06		
04/06/06 10:01	5.19	0.29	0.03	8.21
04/06/06 12:40	4.88	0.25	0.03	7.45
04/06/06 15:17	9.09	0.17	0.04	3.13
04/07/06 09:15	17.12	< 0.06	0.03	0.95
04/11/06 11:33	16.89	< 0.06	0.03	0.29
04/18/06 11:45	13.82	< 0.06	0.06	0.36
04/25/06 10:32	11.46	< 0.06		
05/02/06 08:45	11.33	< 0.06		
05/10/06 07:37	11.21	0.09		
05/15/06 08:52	9.56	0.07		
05/23/06 08:07	10.33	0.06	0.13	0.41
05/30/06 09:13	9.62	0.37		
06/06/06 07:50	11.19	0.07		
06/13/06 08:15	9.66	< 0.06		
06/19/06 08:56	7.83	0.07	0.16	0.74
06/27/06 06:10	4.82	0.11		
07/03/06 07:34	1.58	0.42		
07/11/06 07:27	< 0.07	0.09		
07/12/06 03:00	2.77	0.14	0.13	4.44
07/12/06 09:25	2.81	0.15	0.09	2.08
07/12/06 13:19	1.77	0.37	0.06	6.69
07/12/06 16:20	2.44	0.16	0.05	3.60
07/12/06 23:18	3.21	0.12	0.05	1.79
07/18/06 07:41	7.68	0.13	0.14	0.57
07/25/06 08:28	6.31	< 0.06	0.09	0.63
08/01/06 06:59	1.54	0.42		
08/08/06 08:06	0.53	0.10		
08/15/06 08:56	< 0.07	< 0.06		
08/22/06 12:44	0.24	< 0.06	0.09	4.05
08/29/06 11:31	0.78	0.24		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
09/05/06 10:22	0.23	0.33		
09/11/06 11:43	1.26	< 0.06		
09/19/06 11:34	0.26	0.38	0.08	1.71
09/26/06 10:13	0.25	0.34		
10/03/06 09:40	0.08	0.38		
10/11/06 11:32	0.22	0.83		
10/17/06 10:52	0.67	< 0.06	0.02	0.90
10/24/06 09:50	< 0.07	< 0.06		
10/31/06 11:29	< 0.07	< 0.06		
11/08/06 10:11	< 0.07	< 0.06		
11/14/06 09:11	7.57	0.06	0.06	0.57
11/15/06 21:45	4.88	0.29	0.05	3.02
11/16/06 09:52	7.72	0.44	0.05	1.66
11/16/06 16:05	9.13	0.20	0.05	1.00
11/20/06 11:02	9.82	< 0.06	0.04	0.49
11/28/06 09:25	8.04	< 0.06		
12/06/06 09:35	12.31	< 0.06		
12/12/06 08:52	7.59	0.47		
12/18/06 10:40	15.14	< 0.06	0.02	0.35
12/27/06 10:36	14.74	< 0.06		
01/02/07 10:05	13.59	< 0.06		
01/09/07 08:42	14.19	< 0.06	0.01	< 0.26
01/17/07 09:01	15.12	< 0.06		
01/23/07 08:57	14.00	< 0.06		
01/30/07 09:25	13.64	< 0.06		
02/06/07 10:42	14.33	< 0.06	0.01	< 0.26
02/15/07 08:51	12.07	< 0.06		
02/21/07 08:22	7.81	0.27		
02/24/07 12:35	8.04	0.30	0.02	0.99
02/24/07 19:05	2.92	0.63	0.03	10.90
02/24/07 20:53	2.85	0.66	0.05	9.33
02/24/07 22:22	3.19	0.53	0.05	7.71
02/25/07 08:31	3.66	0.51	0.04	7.42
02/25/07 15:17	4.69	0.42	0.04	3.43
02/27/07 09:19	8.63	0.17	0.02	1.13
02/28/07 13:53	7.68	0.21	0.03 *	1.49
03/01/07 07:51	4.60	0.42	0.04	10.01
03/01/07 11:25	3.01	0.55	0.05	11.42
03/01/07 15:47	4.33	0.42	0.05	5.81
03/06/07 10:17	11.97	0.09	0.02	0.55
03/13/07 08:09	11.04	< 0.06		
03/20/07 07:57	10.19	< 0.06		
03/26/07 09:02	9.41	< 0.06		
04/03/07 07:45	11.43	< 0.06	0.03	0.27
04/09/07 09:14	10.72	< 0.06		
04/17/07 07:26	10.33	< 0.06	0.06	0.35
04/24/07 09:05	9.46	< 0.06		
05/01/07 08:07	9.00	< 0.06		
05/08/07 08:35	10.75	< 0.06		
05/15/07 08:26	11.08	0.14		
05/22/07 07:35	10.33	0.16	0.23	0.65
05/29/07 09:15	8.89	< 0.06		
06/05/07 08:15	9.06	< 0.06		
06/11/07 09:11	8.39	0.07		
06/19/07 06:42	4.44	0.21	0.17	0.78
06/23/07 06:07	5.18	0.17	0.10	3.27
06/26/07 07:55	6.61	0.08	0.14	1.08
07/02/07 10:02	6.66	< 0.06		
07/10/07 08:34	4.59	< 0.06		
07/16/07 09:44	1.92	0.08		
07/24/07 07:41	0.49	0.20	0.03	1.71 *
07/31/07 10:37	0.17	0.11		
08/07/07 08:21	< 0.07	6.34		
08/14/07 09:13	< 0.07	12.83		
08/21/07 08:10	0.12	1.83	0.06	2.89
08/28/07 08:23	0.07	4.49		
09/05/07 08:29	0.14	6.82		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
09/11/07 08:15	0.14	4.74		
09/19/07 08:23	0.15	0.13	0.16	8.98
09/25/07 08:22	0.08	0.61		
10/01/07 10:07	0.14	0.78		
10/10/07 13:40	0.07	1.02		
10/16/07 07:52	< 0.07	< 0.06	0.04	6.74
10/23/07 08:42	< 0.07	0.24		
10/30/07 08:18	< 0.07	< 0.06 *		
11/06/07 09:20	< 0.07	< 0.06		
11/13/07 10:10	< 0.07	< 0.06	0.03	3.91
11/19/07 08:54	< 0.07	< 0.06		
11/27/07 09:38	< 0.07	0.07		
12/04/07 07:53	0.09	< 0.06		
12/11/07 08:26	0.36	0.16	0.02	0.90
12/18/07 09:04	3.46	0.12		
12/26/07 09:18	12.67	< 0.06		
01/02/08 10:19	15.93	< 0.06		
01/07/08 19:24	7.74	0.08 *	0.09	1.97 *
01/07/08 21:19	5.94	0.13 *	0.07	4.01 *
01/07/08 23:23	1.65	0.34 *	0.02	12.24 *
01/08/08 01:35	1.76	0.27 *	0.03	10.79 *
01/08/08 04:19	1.90	0.24 *	0.02	8.68 *
01/08/08 06:55	2.43	0.21 *	0.03	6.36 *
01/08/08 11:17	4.31	0.20 *	0.04	4.59 *
01/08/08 16:59	8.60	0.16 *	0.05	2.50 *
01/09/08 08:37	13.19	0.10 *	0.03	1.21 *
01/15/08 08:45	16.18	< 0.06	0.02	0.57 *
01/22/08 10:42	14.73	< 0.06		
01/29/08 09:16	12.85	< 0.06		
02/05/08 09:14	4.08	1.06	0.04	3.48 *
02/05/08 15:02	2.04	0.44	0.03	5.56
02/05/08 17:53	1.60	0.64	0.03	4.03
02/05/08 21:44	1.57	0.51	0.03	3.50
02/06/08 06:54	3.98	0.37	0.03	2.70
02/06/08 12:16	4.99	0.34	0.03	1.77
02/13/08 10:41	13.01	< 0.06	0.01	0.27
02/17/08 02:30	4.74 *	0.35	0.02	5.16
02/17/08 06:30	1.93	0.71	0.04	11.48
02/17/08 10:08	2.89 *	0.56	0.04	6.73
02/18/08 12:07	10.07	0.11	0.02	1.01
02/25/08 10:21	11.03	< 0.06	< 0.01	0.51
03/04/08 09:19	12.97	< 0.06 *		
03/11/08 08:30	12.30	< 0.06	0.02	0.34
03/17/08 12:50	10.17	< 0.06	0.03	0.92
03/17/08 17:36	7.90	0.08	0.03	1.61
03/18/08 06:41	12.16	< 0.06	0.02	0.70
03/24/08 09:39	12.69	< 0.06		
04/01/08 07:38	10.67	< 0.06		
04/07/08 07:56	11.18	< 0.06		
04/15/08 08:01	14.00	< 0.06	0.02	< 0.26 *
04/22/08 07:43	12.80	< 0.06 *		
04/29/08 07:55	11.95	< 0.06		
05/06/08 08:14	10.73	< 0.06		
05/13/08 07:30	12.21	< 0.06 *		
05/20/08 08:17	11.48	< 0.06	0.06	0.26
05/27/08 09:59	14.77	< 0.06		
06/03/08 03:47	3.17	0.39	0.06	14.98
06/03/08 05:12	2.60	0.21	0.05	10.95
06/03/08 09:26	4.82	0.20	0.05	8.27
06/03/08 17:33	10.35	0.10	0.05	2.92
06/03/08 22:00	1.16	0.10	0.04	14.51
06/04/08 06:35	6.84	0.09	0.05	3.87
06/04/08 14:37	10.47	0.08	0.02	2.44
06/05/08 06:25	14.40	0.12	0.03	1.08
06/10/08 11:39	15.75	< 0.06	0.07	0.19
06/17/08 07:34	15.12	< 0.06	0.08	0.28
06/24/08 07:59	14.26	< 0.06		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
06/30/08 10:33	9.77 *	< 0.06 *		
07/09/08 10:09	9.63	< 0.06	0.05	0.84
07/15/08 08:02	11.62	< 0.06	0.05	0.49
07/22/08 08:01	6.01	0.09	0.06	0.88
07/29/08 08:22	8.37	0.06		
08/04/08 09:30	7.06	< 0.06		
08/12/08 08:48	6.22	0.11		
08/20/08 08:02	3.12	< 0.06	0.10	0.55
08/26/08 10:17	4.29	0.61		
08/28/08 21:38	1.43	1.14	0.27	6.25
08/29/08 06:47	1.22	0.42	0.11	2.57
09/02/08 09:41	3.26	0.06	0.08	0.59
09/10/08 08:04	6.81	6.48 *		
09/14/08 19:20	2.12	1.24	0.02 *	3.55
09/15/08 08:08	3.76	0.10	0.02	1.44
09/15/08 20:30	4.85	0.20	0.03	0.99 *
09/16/08 08:26	5.53	0.08	0.03	0.72 *
09/23/08 08:46	8.13	< 0.06	0.05	0.42
10/01/08 09:05	5.39	0.15		
10/06/08 09:17	8.26	0.26		
10/14/08 09:42	7.71	< 0.06		
10/21/08 09:44	8.74	0.23	0.08	0.59
10/28/08 10:49	8.89	< 0.06		
11/04/08 10:05	7.50	< 0.06		
11/10/08 10:24	7.78	< 0.06		
11/18/08 10:52	7.06	< 0.06	0.05	0.54
11/24/08 10:09	7.39	< 0.06		
12/02/08 10:15	6.63	< 0.06		
12/09/08 16:33	5.93	< 0.06		
12/16/08 09:46	6.74	< 0.06 *	0.05	0.52
12/22/08 10:51	9.08	0.07		
12/27/08 17:17	7.02 *	1.33	0.09 *	8.89
12/29/08 11:15	10.64	0.56	0.03 *	0.79
01/06/09 10:54	10.14	< 0.06	0.02	0.46
01/13/09 13:04	9.48	0.11		
01/20/09 10:37	8.96	< 0.06	0.03	< 0.26
01/27/09 08:33	8.48	< 0.06		
02/03/09 10:12	7.65	< 0.06		
02/10/09 10:24	6.35	< 0.06		
02/11/09 08:49	5.67	0.12	0.06	1.77
02/11/09 13:05	6.02	0.36	0.09	2.20
02/12/09 10:23	9.53	0.61	0.06	1.23
02/17/09 13:16	8.20	< 0.06	0.02	0.35
02/25/09 09:12	7.62	< 0.06		
03/03/09 11:03	7.50	< 0.06		
03/09/09 09:17	7.25	0.07		
03/10/09 06:34	5.83 *	0.29	0.04 *	8.05
03/16/09 09:34	10.18	< 0.06	0.02	0.30
03/24/09 10:39	8.76	< 0.06		
03/29/09 04:00	8.57	0.36	0.06	3.34
03/30/09 09:31	11.67	0.09	0.04	0.76
04/07/09 09:21	10.47	< 0.06		
04/14/09 11:20	12.07	0.08	0.04	0.50
04/19/09 14:15	7.61	0.11	0.05	1.76
04/20/09 09:08	11.40	0.14	0.05	0.73
04/27/09 21:45	6.97	0.06	0.05 *	2.00
04/28/09 11:08	12.25	0.15	0.08	0.87
04/30/09 03:15	5.70	0.10	0.03	6.44
04/30/09 13:10	11.29	0.31	0.09	2.27
05/05/09 09:21	11.87	< 0.06	0.03	< 0.26
05/12/09 09:32	11.76	< 0.06		
05/14/09 06:41	10.17	0.16	0.07	2.50
05/19/09 09:52	12.91	0.10	0.05	0.37
05/26/09 09:30	13.20	0.17		
06/02/09 09:19	13.26	< 0.06		
06/09/09 10:16	13.57	< 0.06		
06/17/09 09:25	12.76	< 0.06		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
06/22/09 10:13	12.51	< 0.06		0.64 *
06/29/09 09:01	12.16	< 0.06		
07/07/09 09:28	8.84	< 0.06		
07/14/09 09:15	7.89	< 0.06		
07/15/09 06:30	1.77	0.34	0.06	12.97
07/15/09 08:39	1.74	0.24	0.05	5.60
07/15/09 13:30	3.24	0.73	0.10	3.15
07/20/09 09:34	7.42	0.09	0.23	0.57
07/27/09 10:57	4.53	< 0.06		
08/04/09 09:56	1.32	0.09	0.04	2.49
08/11/09 08:57	2.96	0.11		
08/17/09 07:00	0.97	< 0.06	0.03	3.79
08/17/09 22:45	1.53	< 0.06	0.04	1.85
08/18/09 06:48	2.18	0.23	0.06	1.42
08/25/09 12:22	3.63	0.09	< 0.01	0.38
09/02/09 12:16	2.92	< 0.06		
09/09/09 12:04	6.78	4.68		
09/15/09 12:35	6.12	< 0.06	0.29	0.51
09/20/09 11:45	1.02	0.09	0.02	7.69
09/20/09 17:14	1.25	0.33	0.03	3.37
09/21/09 08:00	4.81	0.35	0.06	1.45
09/28/09 14:32	7.61	< 0.06	0.05	0.38
10/06/09 14:30	3.86	0.58		
10/13/09 09:26	7.44	0.09	0.03	0.57
10/19/09 12:53	7.39	< 0.06		
10/23/09 03:15	1.30 *	0.66	0.03 *	5.77
10/23/09 08:05	2.02 *	0.66	0.03 *	3.01
10/24/09 07:24	5.29	0.15	0.03	0.98
10/27/09 09:36	6.44	< 0.06	0.03	0.54
10/29/09 15:44	4.30 *	0.06	0.03 *	2.15
10/29/09 23:02	0.70 *	0.15	0.02 *	4.23
10/30/09 10:27	1.80 *	0.16	0.01 *	2.07
10/31/09 09:12	4.48	0.08	0.02	0.97
11/03/09 10:22	5.95	< 0.06	0.02	0.49
11/10/09 09:55	6.25	< 0.06		
11/16/09 03:00	3.20	0.25	0.05	2.84
11/16/09 09:05	4.60	0.14	0.04	1.50
11/16/09 12:08	3.30	0.31	0.02	2.59
11/17/09 06:00	1.64	0.31	0.02	3.55
11/17/09 08:35	2.42	0.31	0.02	2.96
11/17/09 21:15	4.16	0.28	0.02	1.81
11/18/09 08:46	4.88	0.21	0.02	1.14
11/24/09 09:56	6.38	< 0.06 *	0.02	0.37
11/24/09 15:20	4.37	0.09 *	0.02	1.83 *
12/01/09 10:11	6.43	< 0.06 *	0.01	0.39
12/08/09 10:30	6.37	0.06 *		
12/15/09 10:16	6.53	< 0.06 *	0.02	0.41
12/21/09 10:47	6.57	< 0.06		
12/24/09 10:30	5.76 *	0.45	0.03 *	1.64
12/29/09 07:58	6.70	0.09	0.01	0.57 *
01/05/10 10:05	6.88	0.10	0.02 *	0.37
01/12/10 10:16	6.52	0.10		
01/20/10 10:17	6.12	0.18		
01/24/10 09:05	3.57	0.27	0.03	4.22
01/24/10 15:41	4.97	0.17	0.03	2.04
01/25/10 09:10	6.42	0.10	0.02	0.83
01/26/10 09:31	6.95	0.07	0.02	0.48
02/02/10 13:00	6.83	0.11		
02/09/10 10:57	6.32	0.08	0.02	0.39
02/16/10 09:35	6.23	0.07		
02/21/10 12:03	5.30	0.19	0.03	0.90
02/21/10 23:15	2.14	0.37	0.02	4.64
02/22/10 08:37	4.76	0.33	0.02	1.59
02/23/10 09:31	6.42	0.12	0.02	0.71
03/02/10 09:58	6.45	< 0.06	0.01	0.32
03/09/10 10:20	6.31	< 0.06	0.01	0.37
03/16/10 08:34	7.10	< 0.06		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
03/24/10 09:46	6.44	< 0.06		
03/28/10 13:43	5.66	< 0.06	0.02	0.98
03/30/10 09:09	6.84	< 0.06	0.02	0.43
04/06/10 09:04	6.25	< 0.06		
04/13/10 09:26	6.32	< 0.06	0.04	0.27
04/21/10 08:56	6.43	< 0.06		
04/25/10 09:15	5.77	0.13	0.07	1.05
04/27/10 07:56	5.87	0.07	0.04	0.84
05/04/10 09:12	7.37	< 0.06		
05/11/10 02:15	6.41	0.27	0.06	5.72
05/11/10 07:20	12.45	0.60	0.17	6.19
05/11/10 15:48	13.31	0.24	0.11	1.75
05/17/10 03:45	4.07	0.21	0.03	9.26
05/17/10 09:41	7.11	0.26	0.04	4.40
05/17/10 18:30	10.50	0.25	0.05	2.29
05/18/10 08:18	11.29	0.16	0.04	1.10
05/25/10 09:20	9.16	0.07	0.06	0.50
05/25/10 13:34	1.73	0.30	0.03	10.66
05/25/10 17:58	5.44	0.11	0.05	2.01
06/02/10 08:14	5.61	0.08	0.05	2.45
06/08/10 09:30	8.23	< 0.06	0.05	0.55
06/09/10 01:15	2.05	0.16	0.03	6.06
06/09/10 05:48	5.92	0.21	0.05	2.73
06/12/10 18:00	1.78 *	0.19	0.04 *	5.94
06/12/10 21:39	4.23 *	0.09	0.03 *	2.67
06/13/10 06:00	8.04	< 0.06	0.03	0.82
06/13/10 14:32	8.22	0.10	0.04	1.47
06/13/10 18:04	6.80	0.73	0.06	3.10
06/14/10 07:45	7.86	0.09	0.04	0.91
06/15/10 09:08	8.43	0.10	0.05	0.69
06/21/10 07:00	8.24	0.09	0.08	0.82
06/29/10 10:02	7.80	< 0.06		
07/07/10 06:50	6.65	< 0.06		
07/12/10 13:43	6.15	4.24	0.29	5.37
07/19/10 21:00	3.40 *	< 0.06	0.04 *	1.48
07/20/10 02:15	0.77	< 0.06	0.03	3.32
07/20/10 13:35	2.23	0.20	0.04	1.84
07/27/10 08:34	5.21	< 0.06	0.27 *	0.61
08/03/10 10:06	4.19	< 0.06		
08/10/10 10:44	3.90	0.78		
08/17/10 15:40	3.38	3.48	0.30	4.17
08/24/10 13:01	2.44	< 0.06		
08/30/10 10:05	2.35	< 0.06		
09/07/10 08:08	5.98	0.48		
09/14/10 12:53	6.35	< 0.06	0.09	0.42
09/21/10 10:09	5.87	< 0.06		
09/28/10 08:31	6.15	< 0.06		
10/05/10 08:15	5.98	< 0.06		
10/12/10 07:25	5.57	< 0.06		
10/19/10 08:01	4.89	< 0.06	0.04	0.60
10/26/10 07:21	3.75	< 0.06		
11/02/10 07:16	3.71	< 0.03		
11/09/10 14:22	3.70	< 0.03		
11/16/10 09:02	3.55	< 0.03	0.04	0.44
11/22/10 10:12	3.20	< 0.03		
11/29/10 10:22	6.92	0.04		
12/07/10 08:10	6.88	0.03		
12/14/10 09:10	6.97	0.06	0.02	0.31
12/21/10 08:26	5.72	0.04		
12/28/10 08:40	5.91	< 0.03		
12/31/10 15:25	6.23 *	0.82	0.05 *	9.81
12/31/10 20:03	9.19 *	1.09	0.08 *	4.20
01/01/11 12:21	11.33	0.44	0.06 *	1.59
01/04/11 08:47	8.45	0.09	0.01	0.57
01/11/11 11:24	7.35	0.04	0.01	0.40
01/19/11 13:31	6.67	0.04		
01/24/11 10:06	6.55	< 0.03		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
01/31/11 10:56	6.03	< 0.03		
02/09/11 11:09	6.24	< 0.03		
02/15/11 09:02	6.41	0.18	0.02	1.04
02/17/11 12:00	7.06	0.38	0.03	1.65
02/18/11 10:18	10.55	0.26	0.04	0.99
02/22/11 10:03	9.05	0.14	0.02	0.72
02/27/11 23:15	6.00	0.23	0.03	9.21
02/28/11 09:40	9.58	0.52	0.04	2.68
03/07/11 10:40	9.37	0.06	0.02	0.63
03/15/11 07:20	8.04	0.04	0.02	0.51
03/22/11 07:52	7.39	< 0.03		
03/29/11 08:11	6.92	< 0.03		
04/05/11 08:04	6.27	0.72		
04/12/11 09:10	5.52	0.86	0.18	1.53
04/19/11 08:45	5.48	0.14	0.04	2.23
04/22/11 09:45	2.74 *	0.44	0.02 *	10.47
04/22/11 13:45	3.05 *	0.46	0.03 *	9.92
04/22/11 20:15	9.09 *	1.23	0.11 *	3.65
04/25/11 09:13	9.40	0.20	0.04	0.59
05/03/11 08:36	7.94	< 0.03		
05/10/11 08:36	6.92	< 0.03		
05/17/11 08:13	7.05	< 0.03	0.05	0.36
05/24/11 08:11	8.85	0.10		
05/25/11 08:15	6.57	0.15	0.06	7.49
05/25/11 12:07	4.67	0.25	0.05	6.81
05/25/11 22:00	3.67	0.13	0.03	5.55
05/26/11 13:32	11.68	0.12	0.04	1.03
05/31/11 08:20	9.82	0.03	0.04	0.48
06/07/11 07:12	8.82	< 0.03		
06/14/11 03:25	6.45	0.17	0.09	1.48
06/14/11 06:22	5.84	0.06	0.06	2.24
06/14/11 10:30	5.04	0.17	0.08	3.39
06/15/11 07:58	7.34	0.06	0.05	1.63
06/21/11 07:05	8.39	0.15	0.10	0.73
06/26/11 23:07	3.26	0.24	0.05	6.40
06/27/11 02:40	1.29	0.19	0.03	6.82
06/27/11 07:47	2.72	0.10	0.03	2.91
06/27/11 19:45	9.12	< 0.03	0.04	0.96
06/28/11 09:58	9.56	0.04	0.03	0.61
07/04/11 12:00	0.16	300.33	0.04	390.37
07/05/11 08:06	7.86	17.87	0.10	19.33
07/12/11 07:20	5.17	1.16	1.26	2.44
07/19/11 07:50	2.59	0.29		
07/26/11 07:40	2.55	0.20		
08/01/11 09:47	1.85	0.10		
08/09/11 07:31	0.72	0.30		
08/15/11 10:40	0.75	0.20	0.04	0.97
08/22/11 10:02	0.41	0.55		
08/30/11 07:49	0.14	0.45		
09/06/11 08:24	0.11	0.83		
09/13/11 07:49	< 0.07	0.49	0.01	1.63
09/20/11 07:28	0.08	0.28		
09/27/11 08:15	0.07	0.06		
10/04/11 15:32	< 0.07	0.07		
10/11/11 12:24	< 0.07	< 0.03		
10/18/11 13:11	< 0.07	0.04	< 0.01	1.05
10/26/11 14:34	< 0.07	0.07		
11/01/11 10:40	< 0.07	< 0.03		
11/08/11 11:42	< 0.07	< 0.03		
11/15/11 11:09	< 0.07	< 0.03	< 0.01	0.82
11/21/11 12:56	< 0.07	< 0.03		
11/29/11 12:42	0.26	0.03		
12/07/11 13:06	0.41	0.04		
12/13/11 11:09	0.52 *	0.04	< 0.01	0.50
12/14/11 17:00	0.88	0.13	0.01	4.76
12/14/11 18:38	1.05	0.27	0.02	3.17
12/14/11 23:35	1.70	0.47 *	0.02	2.63 *

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
12/20/11 11:37	1.66	0.15		1.11
12/28/11 11:21	0.56	< 0.03		
01/04/12 12:50	1.18	< 0.03		
01/10/12 11:21	0.95	0.06	0.01	0.45
01/17/12 11:40	1.11	0.03		
01/24/12 12:23	2.02	0.03		
01/31/12 11:17	1.00	< 0.03		
02/07/12 11:27	0.69	0.03		
02/14/12 11:45	1.15	< 0.03	0.01	0.39
02/21/12 10:50	0.81	< 0.03		
02/28/12 10:18	0.54	< 0.03		
03/06/12 11:40	0.51	< 0.03		
03/13/12 11:04	0.10	< 0.03	< 0.01	0.52
03/20/12 10:29	< 0.04	< 0.03		
03/27/12 11:59	< 0.04	< 0.03		
04/03/12 11:18	< 0.04	0.29		
04/10/12 11:38	0.10 *	0.30 *	0.03	1.13
04/17/12 11:34	0.18	0.42		
04/24/12 13:01	0.31	0.19		
05/01/12 19:58	3.73	0.16		
05/07/12 10:38	7.77	0.17		
05/15/12 10:39	6.84	0.10	0.17	1.01
05/22/12 09:41	3.94	0.09		
05/30/12 09:49	1.86	0.19		
06/05/12 10:19	1.99	0.14		
06/12/12 12:37	0.09	0.71	0.03	3.70
06/19/12 13:21	< 0.04	0.28		
06/26/12 18:05	0.13	2.59		
07/02/12 11:52	0.05	7.62		
07/10/12 12:45	0.14	9.91	0.13	16.02
07/17/12 10:59	0.09	11.61		
07/24/12 11:32	0.12	9.69		
07/31/12 11:46	0.19	4.66		
08/07/12 10:40	0.10	7.59		
08/14/12 11:48	0.11	0.18	0.08	8.54
08/21/12 05:36	< 0.04	4.06		
08/28/12 05:25	< 0.04	3.49		
09/01/12 05:15	1.92	0.14	0.08	2.93
09/01/12 08:42	1.50	< 0.03	0.04	2.22
09/01/12 13:45	2.20	< 0.03	0.04	2.62
09/02/12 09:00	1.21	0.03	0.04	1.82
09/04/12 05:58	0.25	0.86	0.18	3.50
09/11/12 05:42	< 0.04	2.66	0.05	4.29
09/17/12 09:48	0.09	6.11		
09/25/12 10:15	0.15	6.76		
10/02/12 12:32	0.21	4.91		
10/09/12 11:07	0.18	5.45		
10/15/12 10:39	0.61	0.82	0.20	4.30
10/22/12 18:30	0.72	< 0.03		
10/30/12 11:18	< 0.04	0.28		
11/06/12 11:41	< 0.04	0.39		
11/12/12 13:01	< 0.04	< 0.03	< 0.01	0.73
11/19/12 12:55	< 0.04	0.17		
11/27/12 10:21	< 0.04	0.17		
12/04/12 11:45	0.08	0.12		
12/11/12 09:06	< 0.04	0.10	< 0.01	0.61
12/18/12 08:25	< 0.04	< 0.03		
12/27/12 08:23	< 0.04	< 0.03		
01/02/13 08:45	< 0.04	0.14		
01/08/13 08:29	< 0.04	< 0.03		
01/11/13 11:52	3.59 *	0.61	0.05 *	3.74
01/11/13 14:42	3.57 *	0.60	0.05 *	3.45
01/12/13 09:01	4.38	0.47	0.07	2.33
01/14/13 09:47	4.53	0.27	0.08	1.08
01/22/13 08:41	3.64	0.16	0.07	0.79
01/29/13 09:09	1.28	< 0.03		
01/31/13 13:21	8.80	0.04	0.04	0.84

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
02/05/13 08:27	8.37	< 0.03	0.03	0.40
02/12/13 08:28	9.29	< 0.03	0.03	0.38
02/19/13 08:23	8.82	< 0.03		
02/25/13 08:14	7.65	< 0.03		
03/05/13 10:14	13.98	< 0.03		
03/11/13 08:05	17.16	0.13	0.04	0.41
03/12/13 10:15	19.83	< 0.03	0.03	< 0.26
03/19/13 07:27	18.04	< 0.03	0.03	< 0.26
03/26/13 07:34	13.44	< 0.03		
04/02/13 07:54	16.98	< 0.03		
04/09/13 07:37	13.87	< 0.03		
04/10/13 22:50	5.05	0.59	0.01	7.33
04/11/13 01:00	6.44	0.63	0.03	12.12
04/11/13 06:40	14.47	0.37	0.04	3.62
04/12/13 07:15	19.33	0.07	0.04	0.88
04/16/13 08:00	13.72	0.09	0.04 *	1.60
04/18/13 07:15	8.12	0.08	0.04	2.18
04/18/13 11:30	8.01	0.10	0.04	2.37
04/18/13 12:33	9.29	0.11	0.03	2.85
04/18/13 18:30	12.02	0.07	0.04	1.91
04/19/13 09:04	17.29	0.07	0.05	0.68
04/22/13 07:35	18.76	< 0.03	0.02	0.35
04/30/13 07:24	15.44	< 0.03		
05/03/13 07:15	12.15	< 0.03	0.05	1.00
05/03/13 10:45	10.30	< 0.03	0.04	1.21
05/03/13 14:26	8.29	0.04	0.03	2.23
05/03/13 22:45	8.04 *	0.36	0.04 *	5.90 *
05/04/13 11:49	14.40 *	0.30	0.05 *	1.82
05/05/13 10:45	18.19 *	0.04	0.04	0.78 *
05/06/13 07:39	18.65	< 0.03	0.04	0.65 *
05/14/13 07:02	17.30	< 0.03	0.04	< 0.26
05/21/13 07:28	12.61	< 0.03		
05/27/13 18:30	6.72	0.21	0.12	8.00
05/28/13 00:30	14.57	0.15	0.06	1.93
05/28/13 07:28	17.09	0.11	0.07	1.39
05/28/13 11:43	16.83	0.08	0.06	1.24
06/03/13 07:40	17.37	< 0.03	0.04	0.65
06/11/13 06:35	16.21	< 0.03	0.08	< 0.26
06/18/13 07:16	17.12	< 0.03	0.07	0.31
06/24/13 08:48	13.93	< 0.03		
07/01/13 07:37	12.55	< 0.03		
07/08/13 07:19	11.17	< 0.03	0.10	0.59 *
07/16/13 06:50	8.02	< 0.03	0.08	0.41 *
07/23/13 12:00	3.90	< 0.03		
07/29/13 08:26	3.51 *	< 0.03		
08/05/13 08:20	2.70	0.03		
08/13/13 07:35	1.44	0.06	0.03	0.31
08/19/13 08:16	0.79	0.06		
08/26/13 08:24	0.22	0.19		
09/03/13 07:00	0.14	0.43		
09/09/13 08:25	0.32	0.16	0.03	1.06 *
09/17/13 08:00	< 0.04	0.10		
09/24/13 08:27	0.05	0.24		
10/01/13 08:40	< 0.04 *	0.35		
10/08/13 09:30	< 0.04	0.16 *		
10/15/13 08:53	< 0.04	0.14	< 0.01	0.73
10/22/13 08:59	< 0.04	0.05		
10/29/13 10:58	< 0.04	< 0.03		
10/31/13 11:52	0.04	< 0.03	0.01	1.09
10/31/13 15:16	0.31	< 0.03	0.01	1.45
11/05/13 09:34	< 0.04	< 0.03	< 0.01	0.92
11/12/13 09:55	< 0.04	< 0.03	< 0.01	0.68
11/19/13 09:25	< 0.04	< 0.03		
11/26/13 09:07	0.27	< 0.03		
12/03/13 09:20	0.38	0.03		
12/10/13 09:41	0.71	0.06 *		
12/17/13 10:00	0.56	< 0.03	0.01	0.29 *

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
12/22/13 12:25	0.80	0.05		
01/02/14 10:17	0.93	< 0.03		
01/08/14 12:28	1.17	0.09		
01/13/14 11:50	2.24	0.21	0.03	1.42
01/21/14 10:21	1.66	0.09		
01/29/14 12:44	1.94	0.10		
02/03/14 11:19	1.77	2.63		
02/11/14 13:07	1.33	0.21	0.02	0.57
02/18/14 09:22	1.43	0.45		
02/20/14 09:16	0.78	2.98	0.03	4.77
02/20/14 12:28	0.69	2.11	0.03	3.86
02/20/14 14:54	0.50	1.60	0.02	3.45
02/20/14 17:02	0.47	1.09	0.02	3.06
02/20/14 18:50	0.58	0.81	0.03	2.84
02/21/14 09:42	1.05 *	0.60	0.02	2.18
02/21/14 15:12	0.99 *	1.04	0.03	3.29
02/25/14 10:04	1.97	0.41	0.03	1.01
03/04/14 10:05	1.85	0.27		
03/11/14 08:30	1.14	0.49	0.03	1.50
03/18/14 09:18	2.10	0.26		
03/25/14 09:27	1.27	< 0.03		
04/01/14 08:42	0.62	< 0.03		
04/03/14 08:15	2.11	0.29	0.03	4.17
04/03/14 11:56	2.58	0.21	0.03	2.38
04/08/14 08:57	2.78	< 0.03	0.02	0.64
04/15/14 07:51	1.44 *	< 0.03	0.04	0.59
04/22/14 08:31	0.68	< 0.03		
04/28/14 09:32	0.66	< 0.03	0.03	0.70
05/06/14 08:39	0.33	< 0.03		
05/12/14 12:15	1.05	0.63	0.16	2.85
05/12/14 21:15	0.86	0.43	0.16	1.43
05/13/14 08:05	0.99	0.39	0.15	1.27
05/20/14 09:06	3.52	0.11		
05/27/14 08:43	2.09	0.25		
06/03/14 09:43	2.17	0.21		
06/04/14 07:00	4.07	0.40	0.14	6.07
06/04/14 12:32	6.41	0.25	0.16	2.34
06/10/14 08:32	5.22	0.13	0.05	3.61
06/10/14 13:35	10.10	0.05	0.05	1.24
06/17/14 08:35	10.32	0.06	0.11	0.66
06/24/14 08:49	9.59	< 0.03	0.07	0.55
07/01/14 07:51	7.52	0.03		
07/08/14 07:59	1.74	0.26	0.06	3.48
07/15/14 08:20	3.87	0.05		
07/22/14 10:20	2.21	0.06		
07/29/14 09:07	0.83	0.08		
08/05/14 08:33	0.18	0.17	0.02	1.37
08/12/14 08:42	0.42	0.10		
08/19/14 14:49	0.20	0.93		
08/26/14 14:29	0.90	0.74		
09/03/14 07:51	1.32	< 0.03	0.02	0.63
09/09/14 09:24	1.26	< 0.03	0.02	0.79
09/09/14 12:25	0.72	0.15	0.02	8.68
09/09/14 14:18	0.60	0.25	0.02	7.65
09/09/14 17:58	1.55	0.12	0.03	4.05
09/10/14 08:18	0.40	0.13	0.02	6.34
09/10/14 10:31	0.48	0.11	0.02	4.40
09/10/14 12:31	0.96	0.10	0.02	3.74
09/10/14 18:34	1.80	0.08	0.02	3.27
09/11/14 08:09	4.20	0.07	0.02	2.16
09/16/14 10:04	8.14	0.04	0.04	0.66
09/23/14 07:29	7.59	< 0.03		
09/30/14 08:15	6.65	< 0.03		
10/07/14 09:42	8.37	< 0.03		
10/13/14 09:03	7.40	< 0.03	0.03	0.40
10/21/14 09:19	7.51	< 0.03		
10/28/14 09:07	6.32	< 0.03		

Table D2. (Continued)

Date/Time (CST)	NO ₃ -N (mg/L)	NH ₄ -N (mg/L)	NO ₂ -N (mg/L)	TKN (mg/L)
11/03/14 10:06	6.45	< 0.03		
11/11/14 14:55	5.66	0.05	0.08	0.48
11/18/14 13:30	6.58	0.09		
11/25/14 12:42	4.53	< 0.03		
12/02/14 12:40	5.50	< 0.03		
12/09/14 12:42	6.14	< 0.03		
12/16/14 12:39	5.90	< 0.03	0.05	0.36 *
12/22/14 12:26	5.50	< 0.03		
12/29/14 12:08	7.03	< 0.03		
01/06/15 12:42	6.73	< 0.03		
01/13/15 13:42	6.14	< 0.03	0.02	0.34
01/20/15 13:49	5.41	< 0.03		
01/27/15 12:56	5.60	0.03		
02/03/15 14:00	5.73	< 0.03		
02/10/15 13:12	6.88	< 0.03	0.02 *	0.46
02/17/15 12:50	7.11	< 0.03		
02/24/15 12:48	6.62	< 0.03		
03/04/15 11:41	5.70	0.04		
03/09/15 11:56	4.47	0.46	0.03	1.69
03/10/15 10:28	6.18	0.27	0.03	1.11
03/11/15 12:42	7.12	0.14	0.02	0.76
03/17/15 12:28	7.09	< 0.03	0.02	0.41
03/24/15 12:14	6.32	< 0.03		
03/31/15 13:35	6.76	< 0.03		
04/07/15 12:03	5.74	< 0.03		
04/14/15 09:56	5.23	< 0.03	0.06	0.41
04/21/15 09:46	5.96	0.05		
04/28/15 10:08	5.39	< 0.03		
05/05/15 10:13	4.36	0.11		
05/12/15 10:10	12.52	0.03	0.06	0.60
05/19/15 09:57	9.93	0.04	0.07	0.41
05/26/15 08:22	7.32	0.10	0.13	1.66
05/26/15 10:51	7.24	0.15	0.11	1.91
05/30/15 11:15	12.48	0.16	0.11 *	2.35
05/31/15 02:15	15.49	0.11	0.07	1.65
05/31/15 13:31	16.38	0.06	0.05	0.85
06/01/15 08:54	15.51	0.04	0.05	0.58
06/08/15 06:35	10.56	0.05	0.06	1.59
06/13/15 19:45	7.30	< 0.03	0.08	2.72
06/14/15 09:24	10.58	< 0.03	0.06	0.94
06/15/15 12:00	11.82	< 0.03	0.06	1.38
06/15/15 22:45	4.44	< 0.03	0.03	6.22
06/16/15 09:01	9.47	0.04	0.04	1.77
06/17/15 11:16	11.75	< 0.03	0.05	0.84
06/23/15 09:58	12.22	< 0.03	0.05	0.54
06/25/15 03:15	1.81	0.18	0.03	13.25
06/25/15 08:20	3.04	0.10	0.03	4.70
06/25/15 14:40	6.62	0.06	0.03	2.88
06/26/15 09:37	11.39 *	0.05	0.03	1.61
06/30/15 13:37	11.01	0.03	0.04	1.38
07/07/15 09:15	8.79	< 0.03	0.05	1.04
07/08/15 18:45	2.76	0.04	0.02	7.22
07/09/15 01:30	2.71	0.07	0.02	3.12
07/09/15 07:35	6.91	0.06	0.03	1.73
07/09/15 13:20	8.76	< 0.03	0.03	1.11
07/10/15 07:36	10.56	< 0.03	0.03	0.71
07/14/15 09:52	10.49	< 0.03	0.04	0.72
07/21/15 09:52	8.90	< 0.03		
07/28/15 09:57	7.70	< 0.03		
08/04/15 07:15	6.32	< 0.03		
08/11/15 09:56	3.82	< 0.03	0.06	0.57
08/18/15 10:30	2.84	0.24		
08/24/15 09:26	2.16	< 0.03		
08/31/15 09:06	1.10	< 0.03		
09/08/15 15:15	0.49	< 0.03	0.04	7.18
09/09/15 10:08	0.79	< 0.03	0.03	2.16
09/15/15 07:37	5.18	0.04	0.05	0.65

Table D2. (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>
09/22/15 08:42	3.67	< 0.03		
09/29/15 10:00	4.10	< 0.03		