

Nutrient, Sediment, and Pesticide Data Collected at Four Small Agricultural Basins in the Beaver Creek Watershed, West Tennessee, 1990-1995

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CONTENTS

Abstract.....	1
Introduction	1
Acknowledgments	2
Study sites.....	2
Data collection and water-quality analysis.....	3
Water-quality data.....	3
Nitrogen and phosphorus data	3
Suspended-sediment data	7
Pesticide data	7
Selected references	8

FIGURES

1. Map showing location of small agricultural basins monitored in the Beaver Creek watershed, West Tennessee	4
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TABLES

1. Description of water-quality-monitoring sites in the Beaver Creek watershed, West Tennessee.....	2
2. Commonly used pesticides in the Beaver Creek watershed, West Tennessee	6
3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling, 1990-1993	9
4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont, 1990-1993.....	19
5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge, 1990-1993.....	38
6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge, 1990-1995.....	53
7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling, 1990-1994	71
8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont, 1990-1994.....	77
9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge, 1990-1994.....	85
10. Suspended-sediment data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge, 1990-1995	93
11. Pesticide data for water samples collected in the Beaver Creek watershed, 1990	99
12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995	103

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
05/19/90	17:45	4.9	4.1	3.7	0.43	0.80	0.67	0.01
05/19/90	17:50	3.2	2.8	2.6	0.25	0.40	0.55	0.01
05/19/90	18:35	3.2	2.1	1.9	0.17	1.10	0.55	0.26
06/09/90	15:25	4.0	2.7	2.4	0.30	1.30	0.71	0.08
06/09/90	15:40	7.2	6.5	6.3	0.18	0.70	4.50	0.11
06/22/90	02:30	3.9	2.4	2.2	0.23	1.50	1.40	0.04
06/22/90	07:40	1.3	1.2	1.2	0.01	0.10	0.52	0.04
07/11/90	21:55	4.9	4.1	3.6	0.49	0.80	2.10	0.63
07/11/90	22:00	3.8	3.0	2.7	0.31	0.80	1.90	0.50
07/11/90	22:15	5.5	4.6	4.3	0.35	0.90	0.95	0.57
07/11/90	22:30	5.9	4.7	4.4	0.34	1.20	0.95	0.51
10/03/90	19:40	2.1	1.1	1.0	0.11	1.00	0.23	0.01
10/03/90	19:45	3.1	1.5	1.4	0.07	1.60	0.23	0.02
10/03/90	19:50	2.4	1.8	1.6	0.20	0.60	0.49	0.18
10/03/90	20:05	2.2	1.4	1.3	0.14	0.80	0.40	0.03
10/03/90	20:20	4.4	2.0	1.9	0.08	2.40	3.70	0.04
10/03/90	20:35	4.7	2.2	2.1	0.09	2.50	1.60	0.08
10/04/90	01:20	2.2	1.5	1.4	0.06	0.70	0.57	0.12
10/04/90	01:25	2.0	1.2	1.1	0.13	0.80	0.53	0.02
10/04/90	01:30	1.7	0.7	0.6	0.08	1.00	0.39	0.01
10/04/90	01:35	2.2	1.2	1.1	0.05	1.00	0.53	0.02
10/04/90	01:50	2.3	1.3	1.3	0.04	1.00	0.76	0.03
10/04/90	02:05	2.2	1.2	1.2	0.03	1.00	0.68	0.05
01/06/91	00:15	2.1	0.7	0.6	0.12	1.40	0.60	0.01
01/06/91	00:25	1.0	0.5	0.4	0.13	0.50	0.15	0.04
01/06/91	00:45	0.8	0.4	0.3	0.09	0.40	0.25	0.01
01/06/91	01:30	2.5	1.5	1.4	0.09	1.00	0.98	0.04
01/06/91	02:00	2.6	1.8	1.7	0.09	0.80	0.99	0.06
01/06/91	03:00	1.5	1.0	0.9	0.11	0.50	1.10	0.02
01/06/91	04:00	1.8	1.4	1.3	0.09	0.40	0.96	0.02
01/06/91	05:00	1.7	1.3	1.2	0.12	0.40	0.72	0.04
01/06/91	06:00	1.9	1.3	1.2	0.09	0.60	0.66	0.07
01/06/91	16:55	1.6	1.0	0.9	0.07	0.60	0.51	0.04
01/06/91	17:10	2.0	1.1	0.9	0.20	0.90	0.55	0.03
01/06/91	17:40	1.4	0.9	0.8	0.06	0.50	0.72	0.03
01/06/91	18:10	1.5	1.1	1.0	0.07	0.40	0.86	0.02
01/06/91	18:40	1.5	1.0	0.9	0.07	0.50	0.80	0.02
01/06/91	20:30	1.6	1.0	0.9	0.07	0.60	0.59	0.02
01/07/91	12:00	2.5	0.6	0.6	0.05	1.90	0.43	0.03
02/05/91	01:55	10.3	9.9	9.8	0.06	0.40	7.40	0.01
02/05/91	02:05	8.1	7.8	7.8	0.04	0.30	5.00	0.01
02/05/91	02:10	6.7	6.3	6.3	0.05	0.40	7.50	0.01
02/05/91	02:40	3.3	2.6	2.5	0.07	0.70	1.70	0.03
02/05/91	03:10	3.3	2.7	2.6	0.08	0.60	0.98	0.02
02/05/91	03:40	2.7	2.0	1.9	0.07	0.70	1.50	0.03
02/05/91	05:40	2.5	1.7	1.7	0.05	0.80	0.79	0.05
02/05/91	06:40	2.9	2.1	2.0	0.06	0.80	1.30	0.04
02/05/91	14:00	3.4	2.4	2.4	0.05	1.00	1.10	0.06
02/05/91	14:30	2.2	1.6	1.6	0.04	0.60	0.55	0.02

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
02/05/91	16:30	3.3	2.6	2.6	0.04	0.70	2.50	0.03
02/05/91	17:30	2.1	1.3	1.3	0.03	0.80	0.67	0.05
02/05/91	18:00	2.2	1.4	1.4	0.03	0.80	0.63	0.05
02/05/91	18:30	2.3	1.5	1.5	0.03	0.80	0.42	0.03
03/28/91	19:55	7.3	6.7	3.1	3.60	0.59	0.56	0.13
05/25/91	09:00	1.9	1.3	1.1	0.22	0.64	0.69	0.28
05/25/91	09:50	9.7	4.3	3.4	0.93	5.40	1.10	1.10
05/25/91	10:10	4.1	3.3	2.8	0.55	1.80	1.70	0.72
05/25/91	12:00	1.6	1.4	1.4	0.04	0.16	0.49	0.31
05/25/91	16:30	1.8	1.6	1.6	0.04	0.15	0.37	0.22
05/25/91	17:30	1.8	1.7	1.7	0.04	0.11	0.34	0.21
05/25/91	18:30	1.6	1.5	1.5	0.03	0.10	0.32	0.20
05/28/91	15:00		0.5	0.5	0.03	0.80	0.08	0.03
06/12/91	15:35	3.8	2.2	1.8	0.40	1.60	0.59	0.29
06/12/91	15:40	4.9	3.7	2.3	1.40	1.20	1.50	1.10
06/12/91	15:45	8.3	5.5	5.3	0.18	2.80	1.30	0.75
06/12/91	15:50	5.0	1.5	1.3	0.24	3.50	1.50	0.84
06/12/91	15:55	12.0	8.3	8.1	0.19	3.70	1.40	0.93
06/12/91	16:00	8.1	3.8	2.8	0.96	4.30	1.40	0.88
06/12/91	16:30	4.2	0.6	0.3	0.32	3.60	5.70	2.30
06/12/91	16:45	7.2	3.6	3.4	0.21	3.60	2.10	1.50
06/23/91	20:00	10.1	5.9	5.8	0.09	4.20	4.40	0.07
06/23/91	22:15	9.7	3.8	3.7	0.09	5.90	1.90	0.06
07/03/91	18:10	8.7	7.3	7.1	0.20	1.40	5.00	0.02
07/03/91	18:15	23.5	22.0	21.8	0.25	1.50	9.50	0.01
07/03/91	18:20	20.5	19.0	18.8	0.18	1.50	15.00	0.01
07/03/91	18:25	20.5	19.0	18.8	0.16	1.50	6.50	0.01
07/03/91	18:30	16.6	15.0	14.9	0.15	1.60	8.60	0.01
07/03/91	18:35	16.4	15.0	14.8	0.16	1.40	8.60	0.01
07/03/91	18:40	22.8	21.0	20.9	0.12	1.80	16.00	0.01
07/03/91	18:55	18.0	16.0	15.9	0.11	2.00	8.50	0.03
07/03/91	19:10	15.1	13.0	12.9	0.11	2.10	8.60	0.04
07/24/91	21:55	2.4	1.4	1.2	0.21	1.00	0.96	0.01
07/24/91	22:00	2.2	1.1	0.9	0.17	1.10	1.90	0.01
07/24/91	22:05	2.0	1.0	0.9	0.14	1.00	0.80	0.01
07/24/91	22:10	2.8	1.5	1.3	0.24	1.30	0.89	0.01
07/24/91	22:15	2.4	1.1	0.8	0.32	1.30	3.00	0.01
07/24/91	22:20	2.7	1.3	1.0	0.31	1.40	0.74	0.01
07/24/91	22:35	3.1	1.5	1.2	0.28	1.60	0.65	0.03
07/24/91	22:50	2.8	1.3	1.2	0.12	1.50	2.30	0.04
07/24/91	23:05	3.5	1.7	1.6	0.11	1.80	0.84	0.05
07/24/91	23:20	3.4	1.5	1.4	0.12	1.90	0.77	0.06
08/09/91	03:25	3.3	2.4	2.3	0.10	0.87	1.90	0.02
08/09/91	03:30	3.6	2.9	2.8	0.07	0.71	4.40	0.02
08/09/91	03:35	2.4	1.7	1.6	0.06	0.67	1.10	0.02
08/09/91	03:40	2.3	1.5	1.5	0.05	0.78	0.78	0.02
08/09/91	03:45	2.3	1.5	1.4	0.06	0.84	0.72	0.02
08/09/91	03:50	1.7	0.8	0.8	0.05	0.91	0.92	0.02
08/09/91	04:05	2.6	1.5	1.5	0.02	1.10	0.53	0.03

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
08/09/91	04:20	2.6	1.4	1.4	0.02	1.20	0.69	0.04
08/09/91	04:35	2.3	1.0	1.0	0.02	1.30	0.52	0.05
08/17/91	15:15	3.1	2.1	1.9	0.18	1.00	0.74	0.02
08/17/91	15:20	3.1	2.3	2.2	0.12	0.76	0.52	0.01
08/17/91	15:25	2.6	2.0	1.9	0.12	0.63	0.42	0.01
08/17/91	15:30	2.1	1.5	1.4	0.10	0.61	0.39	0.01
08/17/91	15:35	2.3	1.7	1.6	0.10	0.59	0.55	0.01
08/17/91	15:40	2.2	1.6	1.5	0.09	0.59	0.66	0.01
08/17/91	15:55	3.2	2.2	2.1	0.08	0.98	0.64	0.03
08/17/91	16:10	3.8	2.7	2.6	0.08	1.10	0.69	0.05
08/17/91	16:25	3.3	2.2	2.1	0.07	1.10	0.60	0.05
08/27/91	13:15	2.4	1.8	1.6	0.17	0.59	0.63	0.04
08/27/91	13:20	1.9	1.3	1.2	0.15	0.58	0.57	0.02
08/27/91	13:25	1.9	1.3	1.1	0.16	0.57	0.81	0.02
08/27/91	13:30	1.8	1.3	1.2	0.14	0.51	0.73	0.03
08/27/91	13:35	2.6	2.1	2.0	0.12	0.51	2.10	0.02
08/27/91	13:40	2.0	1.4	1.3	0.11	0.57	1.40	0.02
08/27/91	13:55	2.4	1.5	1.4	0.09	0.87	1.60	0.04
08/27/91	14:10	2.7	1.7	1.6	0.07	0.97	0.99	0.04
08/27/91	14:25	2.6	1.6	1.5	0.07	0.95	0.99	0.05
08/27/91	15:05	2.3	1.3	1.3	0.04	1.00	0.59	0.05
08/28/91	12:05	1.6	1.2	1.2	0.03	0.40	0.78	0.06
08/28/91	12:10	1.7	1.2	1.2	0.04	0.45	0.38	0.04
08/28/91	12:15	1.7	1.3	1.3	0.02	0.41	0.47	0.02
08/28/91	12:20	1.4	1.0	1.0	0.02	0.36	0.44	0.03
08/28/91	12:25	1.4	1.1	1.1	0.02	0.34	0.53	0.03
08/28/91	12:30	1.4	1.0	1.0	0.03	0.37	0.40	0.06
08/28/91	12:45	1.7	1.2	1.2	0.02	0.50	2.10	0.06
08/28/91	13:05	2.6	2.1	2.1	0.02	0.52	0.76	0.26
08/28/91	13:15	1.8	1.2	1.2	0.01	0.60	0.61	0.09
08/28/91	13:30	1.7	1.1	1.1	0.01	0.60	0.63	0.08
08/28/91	14:35	1.4	1.1	1.1	0.01	0.29	0.66	0.15
08/28/91	17:20	1.2	0.7	0.7	0.01	0.47	0.48	0.39
11/01/91	01:25	1.8	1.2	1.0	0.16	0.59	0.46	0.35
11/01/91	01:30	1.9	1.3	1.2	0.08	0.64	0.55	0.25
11/01/91	01:40	2.0	1.2	1.1	0.09	0.75	0.53	0.28
11/01/91	01:45	1.3	1.1	0.9	0.17	0.17	0.58	0.42
11/01/91	02:00	2.1	1.3	1.1	0.17	0.82	0.62	0.47
11/01/91	02:15	2.1	1.3	1.1	0.15	0.81	0.67	0.49
11/01/91	02:30	2.0	1.1	1.0	0.13	0.85	0.62	0.49
11/01/91	02:45	2.2	1.3	1.1	0.15	0.89	0.71	0.55
11/01/91	03:00	2.2	1.3	1.2	0.11	0.92	0.67	0.51
11/01/91	03:15	2.2	1.2	1.1	0.07	0.98	0.65	0.47
11/01/91	09:00	1.4	1.0	0.9	0.13	0.39	0.45	0.31
11/08/91	18:30	4.1	3.9	3.4	0.48	0.20	1.20	0.57
11/08/91	19:15	3.6	2.6	2.3	0.29	1.00	1.40	0.90
11/08/91	20:00	3.0	1.6	1.4	0.19	1.40	0.81	0.70
11/08/91	21:20	3.6	1.8	1.6	0.16	1.80	0.82	0.63
11/19/91	21:50	1.9	1.1	1.0	0.09	0.84	0.58	0.51
11/19/91	21:55	2.4	1.7	1.6	0.13	0.71	0.88	0.61
11/19/91	22:00	3.1	2.3	2.1	0.19	0.81	1.30	0.61

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/19/91	22:05	2.0	1.3	1.1	0.15	0.73	0.55	0.45
11/19/91	22:15	1.1	0.9	0.7	0.20	0.22	1.40	1.20
11/19/91	22:25	2.1	1.2	1.1	0.13	0.93	0.71	0.61
11/19/91	22:30	2.7	2.0	1.7	0.27	0.70	1.80	1.40
11/19/91	22:45	2.4	1.4	1.2	0.15	1.00	0.80	0.69
11/19/91	23:00	2.2	1.1	1.0	0.10	1.10	0.68	0.59
11/19/91	23:15	2.1	1.0	0.9	0.10	1.10	0.62	0.53
11/19/91	23:30	1.8	0.8	0.7	0.08	1.00	0.57	0.51
11/19/91	23:45	2.1	1.1	1.0	0.09	1.00	0.63	0.54
11/19/91	24:00	2.1	1.1	1.0	0.12	1.00	0.71	0.58
11/20/91	00:15	2.0	1.0	0.9	0.13	1.00	0.71	0.60
11/20/91	00:30	1.9	0.9	0.8	0.10	1.00	0.60	0.53
11/20/91	00:45	2.2	1.2	1.1	0.10	1.00	0.69	0.51
11/20/91	01:00	2.0	1.0	0.9	0.09	1.00	0.58	0.47
11/20/91	01:15	2.2	1.2	1.1	0.13	1.00	0.70	0.51
11/20/91	01:30	2.3	1.3	1.2	0.12	1.00	0.71	0.51
11/20/91	01:45	2.2	1.2	1.1	0.10	1.00	0.60	0.48
11/20/91	02:00	1.9	0.9	0.8	0.09	1.00	0.57	0.46
11/20/91	02:15	2.2	1.1	1.0	0.10	1.10	0.64	0.48
11/20/91	02:30	2.3	1.2	1.1	0.11	1.10	0.70	0.49
11/20/91	02:45	2.2	1.1	1.0	0.11	1.10	0.67	0.49
11/20/91	03:00	2.2	1.1	1.0	0.10	1.10	0.68	0.49
11/20/91	03:15	2.2	1.1	1.0	0.11	1.10	0.68	0.48
11/20/91	03:30	2.1	1.0	0.9	0.09	1.10	0.62	0.45
11/20/91	10:10	2.1	1.1	1.0	0.08	1.00	0.42	0.28
03/18/92	02:55	25.0	15.0	3.0	12.00	10.00	7.50	7.50
03/18/92	03:00	2.0	1.3	1.2	0.06	0.74	0.63	0.03
03/18/92	05:30	2.0	1.1	1.0	0.12	0.94	0.29	0.04
03/18/92	05:35	1.9	1.0	0.9	0.11	0.86	0.30	0.04
03/18/92	05:40	1.9	1.0	0.9	0.11	0.85	0.32	0.04
03/18/92	10:00	1.6	0.8	0.7	0.13	0.83	0.51	0.06
03/18/92	10:05	1.8	0.9	0.8	0.13	0.87	0.57	0.06
03/18/92	10:10	1.8	0.9	0.9	0.05	0.90	0.47	0.06
03/18/92	10:15	1.6	0.7	0.7	0.05	0.93	0.41	0.06
03/18/92	10:20	1.9	0.9	0.9	0.05	0.96	0.54	0.06
03/18/92	10:25	1.7	0.7	0.6	0.07	0.98	0.38	0.06
03/18/92	10:30	0.9	0.8	0.7	0.10	0.07	0.41	0.06
03/18/92	10:35	0.9	0.8	0.7	0.10	0.10	1.00	0.06
03/18/92	10:40	1.8	0.7	0.7	0.05	1.10	0.39	0.06
03/18/92	10:45	2.0	0.9	0.9	0.04	1.10	0.40	0.06
03/18/92	10:50	1.9	0.8	0.7	0.09	1.10	0.34	0.06
03/18/92	10:55	1.8	0.7	0.6	0.12	1.10	0.34	0.18
03/18/92	11:40	2.3	1.0	0.9	0.11	1.30	0.39	0.17
03/18/92	11:45	2.0	0.7	0.6	0.09	1.30	0.32	0.16
03/18/92	11:50	2.2	0.8	0.7	0.09	1.40	0.34	0.16
03/18/92	11:55	2.2	0.8	0.7	0.08	1.40	0.37	0.15
03/18/92	12:00	2.2	0.8	0.7	0.08	1.40	0.34	0.16
03/18/92	12:05	2.5	1.1	1.0	0.07	1.40	0.51	0.06
03/18/92	12:15	2.6	1.1	1.1	0.04	1.50	0.54	0.06
03/18/92	12:20	2.5	1.0	0.9	0.09	1.50	0.48	0.06
03/18/92	12:25	2.5	1.0	1.0	0.03	1.50	0.59	0.05
03/18/92	12:30	2.1	0.6	0.6	0.03	1.50	0.33	0.05
03/18/92	12:35	2.2	0.7	0.5	0.19	1.50	0.47	0.31
04/20/92	05:50	1.7	0.9	0.8	0.13	0.84	0.45	0.05

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
04/20/92	05:55	1.5	1.0	0.8	0.16	0.52	0.48	0.03
04/20/92	06:05	1.5	1.1	0.9	0.17	0.40	0.56	0.02
04/20/92	06:10	1.7	1.2	1.0	0.18	0.45	0.58	0.02
04/20/92	06:15	1.6	1.1	0.9	0.18	0.50	0.51	0.02
04/20/92	06:20	1.7	1.1	0.9	0.18	0.58	0.49	0.03
04/20/92	06:25	1.8	1.2	1.0	0.17	0.58	0.53	0.03
04/20/92	06:30	1.6	1.0	0.8	0.16	0.56	0.40	0.02
04/20/92	06:35	1.8	1.1	0.9	0.19	0.66	0.46	0.04
04/20/92	06:40	1.9	1.1	0.9	0.18	0.77	0.44	0.05
04/20/92	06:45	1.9	1.0	0.8	0.19	0.92	0.37	0.04
04/20/92	07:05	2.2	1.0	0.8	0.16	1.20	0.33	0.03
04/20/92	07:10	2.2	1.0	0.8	0.16	1.20	0.31	0.04
04/20/92	07:15	2.3	1.0	0.9	0.15	1.30	0.30	0.04
04/20/92	07:20	2.4	1.1	0.9	0.16	1.30	0.29	0.04
04/20/92	07:25	2.4	1.0	0.9	0.14	1.40	0.29	0.05
04/20/92	07:30	2.4	1.0	0.9	0.15	1.40	0.31	0.05
04/20/92	07:35	2.5	1.0	0.9	0.15	1.50	0.31	0.05
04/20/92	07:40	2.6	1.1	1.0	0.15	1.50	0.31	0.07
04/20/92	07:45	2.8	1.2	1.0	0.15	1.60	0.32	0.06
04/20/92	07:50	2.5	1.0	0.9	0.14	1.50	0.32	0.07
04/20/92	07:55	2.5	1.0	0.8	0.16	1.50	0.34	0.06
04/20/92	08:00	2.5	1.0	0.8	0.16	1.50	0.31	0.06
04/20/92	10:35	3.0	1.1	1.0	0.13	1.90	0.29	0.07
04/20/92	12:25	2.9	1.0	0.9	0.11	1.90	0.29	0.06
06/03/92	04:25	3.2	0.8	0.7	0.10	2.40	0.38	0.13
06/03/92	04:30	2.5	0.6	0.6	0.04	1.90	0.33	0.15
06/03/92	04:35	1.6	0.7	0.5	0.18	0.88	0.32	0.12
06/03/92	04:40	1.4	0.7	0.5	0.20	0.73	0.26	0.08
06/03/92	04:45	1.5	0.8	0.6	0.18	0.67	0.35	0.08
06/03/92	04:50	1.6	0.8	0.7	0.12	0.83	0.35	0.08
06/03/92	04:55	1.9	0.7	0.6	0.08	1.20	0.32	0.09
06/03/92	05:00	2.2	0.8	0.7	0.11	1.40	0.35	0.11
06/03/92	05:05	2.5	0.9	0.8	0.10	1.60	0.36	0.12
06/03/92	05:10	2.5	0.8	0.7	0.09	1.70	0.36	0.14
06/03/92	05:15	3.0	1.2	1.1	0.09	1.80	0.51	0.15
06/03/92	06:00	2.6	0.9	0.8	0.07	1.70	0.31	0.17
06/03/92	06:05	2.4	0.8	0.7	0.08	1.60	0.31	0.16
06/03/92	06:10	2.3	0.8	0.7	0.06	1.50	0.27	0.15
06/03/92	06:15	2.4	0.9	0.8	0.06	1.50	0.29	0.14
06/03/92	06:20	3.0	1.7	1.6	0.05	1.30	0.69	0.13
06/03/92	06:25	2.8	1.6	1.6	0.04	1.20	0.68	0.12
06/03/92	06:30	3.0	1.9	1.9	0.03	1.10	0.84	0.11
06/03/92	06:35	2.6	1.5	1.5	0.03	1.10	0.62	0.11
06/03/92	06:40	2.6	1.5	1.5	0.03	1.10	0.64	0.12
06/03/92	06:45	2.8	1.7	1.7	0.03	1.10	0.68	0.12
06/03/92	06:50	2.5	1.5	1.5	0.04	1.00	0.61	0.12
06/03/92	06:55	2.3	1.3	1.3	0.04	1.00	0.48	0.12
06/26/92	01:15	3.5	2.3	2.2	0.14	1.20	1.20	0.04
06/26/92	01:20	2.5	1.2	1.1	0.14	1.30	0.50	0.04
06/26/92	01:25	2.5	1.2	1.1	0.13	1.30	0.53	0.05
06/26/92	01:50	2.9	1.6	1.5	0.14	1.30	0.75	0.13
06/26/92	01:55	2.4	1.1	0.9	0.16	1.30	0.48	0.13
06/26/92	02:00	2.6	1.3	1.1	0.16	1.30	0.58	0.07
06/26/92	02:25	2.5	1.2	1.0	0.17	1.30	0.49	0.05
06/26/92	02:30	2.4	1.2	1.1	0.14	1.20	0.52	0.04

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
06/26/92	02:55	3.1	2.1	2.0	0.10	1.00	1.60	0.02
06/26/92	03:00	3.9	2.6	2.5	0.09	1.30	2.00	0.04
06/26/92	03:05	3.9	2.4	2.3	0.11	1.50	1.80	0.03
06/26/92	03:10	4.1	2.4	2.3	0.11	1.70	1.70	0.04
06/26/92	03:15	4.9	3.2	3.1	0.13	1.70	2.00	0.06
06/26/92	03:20	3.6	2.0	1.9	0.13	1.60	1.40	0.06
06/26/92	03:25	3.9	2.5	2.4	0.14	1.40	2.10	0.06
06/26/92	03:30	4.0	2.3	2.2	0.14	1.70	1.80	0.07
06/26/92	03:40	3.7	2.1	2.0	0.15	1.60	1.50	0.10
06/26/92	03:45	3.4	1.8	1.7	0.14	1.60	1.30	0.10
06/26/92	03:50	4.0	2.3	2.2	0.14	1.70	1.60	0.10
06/26/92	04:15	5.3	3.6	3.5	0.13	1.70	2.50	0.11
06/26/92	04:20	4.6	3.0	2.9	0.14	1.60	2.40	0.11
06/26/92	04:25	5.5	3.9	3.8	0.14	1.60	2.90	0.10
06/26/92	04:30	4.6	3.0	2.9	0.12	1.60	2.50	0.10
06/26/92	04:40	4.8	3.2	3.1	0.13	1.60	2.50	0.11
06/26/92	04:45	3.9	2.3	2.2	0.13	1.60	1.90	0.11
07/17/92	03:35	2.0	1.6	1.5	0.15	0.35	0.70	0.02
07/17/92	03:40	4.2	3.9	3.8	0.12	0.26	5.80	0.01
07/17/92	03:45	4.0	3.7	3.6	0.09	0.29	2.10	0.01
07/17/92	03:50	5.9	5.6	5.5	0.09	0.31	4.50	0.01
07/17/92	03:55	4.0	3.6	3.5	0.07	0.37	4.20	0.01
07/17/92	04:00	2.1	1.7	1.6	0.05	0.38	1.40	0.02
07/17/92	04:05	1.8	1.4	1.4	0.04	0.36	1.00	0.02
07/17/92	04:10	1.6	1.2	1.2	0.04	0.38	0.89	0.02
07/17/92	04:15	2.4	1.9	1.8	0.05	0.45	1.30	0.02
07/17/92	04:20	3.2	2.7	2.7	0.04	0.52	1.90	0.03
07/17/92	04:25	3.6	3.1	3.1	0.04	0.54	1.90	0.03
07/17/92	04:30	1.8	1.3	1.3	0.04	0.54	1.00	0.04
09/21/92	15:20	1.7	1.5	1.4	0.05	0.24	0.74	0.31
09/21/92	15:25	2.1	1.8	1.7	0.07	0.27	0.88	0.16
09/21/92	15:30	1.5	1.1	1.0	0.09	0.43	0.44	0.17
09/21/92	15:35	1.4	1.0	1.0	0.05	0.38	0.40	0.14
09/21/92	15:40	2.1	1.7	1.7	0.04	0.38	0.84	0.14
09/21/92	15:45	1.7	1.3	1.2	0.07	0.43	0.66	0.21
09/21/92	15:50	1.6	1.2	1.1	0.09	0.36	0.56	0.25
09/21/92	15:55	1.9	1.6	1.5	0.07	0.33	0.68	0.22
09/21/92	16:00	1.6	1.3	1.2	0.05	0.32	0.73	0.19
09/21/92	16:05	1.6	1.3	1.2	0.05	0.34	0.68	0.18
09/21/92	16:10	1.5	1.0	1.0	0.05	0.45	0.59	0.20
09/21/92	16:15	1.9	1.4	1.4	0.04	0.50	0.79	0.21
09/21/92	17:00	2.5	1.8	1.8	0.04	0.70	1.10	0.28
09/21/92	17:05	2.1	1.4	1.3	0.06	0.73	0.75	0.28
09/21/92	17:10	3.1	2.4	2.3	0.06	0.68	1.10	0.28
09/21/92	17:15	2.3	1.6	1.5	0.05	0.68	0.85	0.28
09/21/92	17:20	2.1	1.4	1.3	0.05	0.71	0.76	0.28
09/21/92	17:25	2.1	1.4	1.3	0.06	0.71	0.78	0.28
09/21/92	17:30	2.8	2.1	2.0	0.05	0.72	1.10	0.27
09/21/92	17:35	2.0	1.3	1.2	0.06	0.71	0.68	0.27
09/21/92	17:40	2.1	1.4	1.3	0.05	0.70	0.66	0.27
09/21/92	17:45	2.2	1.5	1.4	0.06	0.71	0.77	0.27
09/21/92	17:50	2.2	1.5	1.4	0.06	0.70	0.92	0.27
09/21/92	17:55	2.1	1.4	1.4	0.03	0.65	0.75	0.27
09/22/92	02:40	1.8	1.4	1.4	0.04	0.43	0.75	0.29

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
09/22/92	02:45	2.3	1.9	1.9	0.04	0.35	0.82	0.26
09/22/92	02:50	1.7	1.3	1.2	0.06	0.37	0.70	0.25
09/22/92	02:55	2.4	2.0	1.9	0.09	0.41	0.72	0.25
09/22/92	03:00	1.9	1.5	1.4	0.10	0.38	0.63	0.29
09/22/92	03:10	1.7	1.3	1.2	0.10	0.42	0.58	0.24
09/22/92	03:15	1.8	1.4	1.3	0.10	0.44	0.57	0.23
09/22/92	03:20	2.1	1.7	1.6	0.09	0.44	0.71	0.22
09/22/92	03:25	2.5	2.0	1.9	0.09	0.47	0.75	0.22
09/22/92	03:30	1.9	1.4	1.3	0.09	0.48	0.60	0.23
09/22/92	03:35	2.0	1.5	1.4	0.09	0.47	0.74	0.24
09/22/92	03:40	2.0	1.5	1.4	0.08	0.46	0.66	0.23
09/22/92	03:45	2.3	1.8	1.7	0.08	0.45	0.90	0.23
09/22/92	03:50	1.8	1.3	1.2	0.09	0.46	0.61	0.22
09/22/92	03:55	2.2	1.7	1.6	0.09	0.45	0.79	0.22
09/22/92	04:00	2.1	1.6	1.5	0.10	0.48	0.64	0.24
09/22/92	04:05	1.9	1.4	1.3	0.08	0.51	0.58	0.25
09/22/92	04:10	1.9	1.4	1.3	0.08	0.51	0.64	0.26
09/22/92	04:15	1.6	1.1	1.0	0.07	0.51	0.55	0.27
09/22/92	04:20	2.2	1.7	1.6	0.09	0.50	0.71	0.27
09/22/92	04:25	2.1	1.6	1.5	0.07	0.51	0.83	0.28
09/22/92	04:30	2.4	1.9	1.8	0.09	0.53	0.78	0.29
09/22/92	04:35	2.3	1.7	1.6	0.09	0.55	0.93	0.30
09/22/92	04:40	2.0	1.5	1.5	0.04	0.50	0.73	0.28
09/22/92	04:45	1.8	1.3	1.2	0.06	0.50	0.70	0.29
09/22/92	04:50	2.0	1.5	1.5	0.04	0.51	0.70	0.29
09/22/92	04:55	1.8	1.3	1.3	0.03	0.51	0.66	0.30
09/22/92	05:00	1.8	1.3	1.3	0.03	0.52	0.66	0.30
09/22/92	05:05	1.9	1.4	1.4	0.04	0.52	0.68	0.30
09/22/92	05:10	1.8	1.3	1.3	0.04	0.53	0.64	0.31
09/22/92	05:15	1.9	1.4	1.4	0.04	0.54	0.67	0.31
09/22/92	05:20	1.8	1.3	1.3	0.04	0.54	0.68	0.31
09/22/92	05:25	1.9	1.3	1.3	0.04	0.55	0.63	0.31
09/22/92	05:30	1.9	1.3	1.3	0.04	0.56	0.67	0.31
09/22/92	05:35	2.1	1.5	1.5	0.03	0.57	0.64	0.31
09/22/92	05:40	1.9	1.3	1.2	0.06	0.58	0.70	0.32
09/22/92	05:45	1.9	1.3	1.3	0.03	0.61	0.67	0.31
09/22/92	05:50	2.0	1.4	1.4	0.03	0.57	0.62	0.30
09/22/92	05:55	1.9	1.3	1.3	0.04	0.59	0.64	0.30
09/22/92	06:00	2.0	1.4	1.3	0.05	0.60	0.63	0.30
09/22/92	06:05	1.9	1.3	1.3	0.04	0.56	0.63	0.28
09/22/92	06:10	2.1	1.4	1.3	0.06	0.65	0.65	0.29
09/22/92	06:15	1.9	1.3	1.2	0.07	0.64	0.60	0.28
09/22/92	06:20	1.7	1.1	1.0	0.06	0.63	0.59	0.28
09/22/92	06:25	1.8	1.2	1.1	0.06	0.61	0.57	0.27
09/22/92	06:30	1.8	1.2	1.1	0.07	0.61	0.59	0.28
09/22/92	06:35	2.7	2.1	2.0	0.07	0.60	0.67	0.26
09/22/92	06:55	1.8	1.3	1.3	0.03	0.51	0.66	0.30
10/30/92	10:45	3.2	2.1	2.1	0.03	1.10	0.62	0.33
10/30/92	10:50	3.0	1.9	1.9	0.02	1.10	0.63	0.34
10/30/92	10:55	2.9	1.9	1.9	0.04	1.00	0.62	0.32
10/30/92	11:00	2.6	1.6	1.6	0.04	1.00	0.61	0.34
10/30/92	11:05	2.9	1.9	1.8	0.05	1.00	0.62	0.34
10/30/92	11:10	3.1	2.1	2.1	0.04	0.99	0.67	0.33
10/30/92	11:15	3.0	2.0	2.0	0.04	1.00	0.68	0.35
10/30/92	11:20	2.8	1.8	1.8	0.03	1.00	0.62	0.35
10/30/92	11:25	3.0	2.0	2.0	0.04	1.00	0.66	0.36

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
10/30/92	11:30	3.1	2.1	2.0	0.05	1.00	0.68	0.35
10/30/92	11:35	2.8	1.8	1.8	0.04	1.00	0.57	0.35
10/30/92	11:40	2.9	1.9	1.9	0.03	1.00	0.59	0.35
10/30/92	12:15	3.2	2.1	2.1	0.03	1.10	0.63	0.35
10/30/92	12:20	3.0	1.9	1.9	0.03	1.10	0.66	0.35
10/30/92	12:25	3.3	2.2	2.2	0.03	1.10	0.67	0.35
10/30/92	12:30	3.3	2.2	2.2	0.03	1.10	0.67	0.35
10/30/92	12:35	3.1	2.0	2.0	0.03	1.10	0.63	0.35
10/30/92	12:40	3.2	2.1	2.1	0.04	1.10	0.66	0.36
10/30/92	12:45	3.2	2.1	2.1	0.03	1.10	0.64	0.36
10/30/92	12:50	3.3	2.2	2.2	0.03	1.10	0.68	0.36
10/30/92	12:55	3.4	2.3	2.3	0.03	1.10	0.68	0.36
10/30/92	13:00	3.6	2.5	2.5	0.03	1.10	0.66	0.36
10/30/92	13:05	3.3	2.2	2.2	0.04	1.10	0.65	0.35
10/30/92	13:10	3.3	2.2	2.2	0.03	1.10	0.66	0.35
10/30/92	13:45	3.3	2.1	2.1	0.03	1.20	0.65	0.37
10/30/92	13:50	3.3	2.1	2.1	0.04	1.20	0.66	0.37
10/30/92	13:55	3.2	2.0	2.0	0.04	1.20	0.64	0.36
10/30/92	14:00	3.6	2.4	2.4	0.03	1.20	0.66	0.36
10/30/92	14:05	3.3	2.1	2.1	0.03	1.20	0.63	0.36
10/30/92	14:10	3.3	2.1	2.1	0.03	1.20	0.65	0.37
10/30/92	14:15	3.1	2.0	2.0	0.03	1.10	0.63	0.37
10/30/92	14:20	3.4	2.2	2.2	0.03	1.20	0.66	0.37
10/30/92	14:25	3.1	1.9	1.9	0.03	1.20	0.60	0.37
10/30/92	14:30	3.4	2.2	2.2	0.03	1.20	0.65	0.36
10/30/92	14:35	3.4	2.2	2.2	0.03	1.20	0.65	0.36
10/30/92	14:40	3.4	2.2	2.2	0.03	1.20	0.64	0.36
11/12/92	06:45	1.7	1.4	1.4	0.02	0.30	1.10	0.64
11/12/92	06:50	2.0	1.5	1.5	0.02	0.53	1.30	0.90
11/12/92	06:55	2.3	1.9	1.8	0.05	0.37	1.50	0.61
11/12/92	07:00	2.6	2.4	2.3	0.13	0.19	1.60	0.69
11/12/92	07:05	3.3	2.8	2.7	0.10	0.48	1.40	0.74
11/12/92	07:10	2.4	1.8	1.7	0.05	0.58	0.84	0.60
11/12/92	07:15	1.6	1.4	1.4	0.04	0.21	0.65	0.24
11/12/92	07:20	2.6	2.0	1.9	0.06	0.63	0.99	0.55
11/12/92	07:25	2.5	1.9	1.8	0.05	0.64	0.91	0.55
11/12/92	07:30	2.0	1.4	1.3	0.07	0.58	0.89	0.68
11/12/92	07:35	2.1	1.6	1.5	0.11	0.49	1.00	0.62
11/12/92	07:40	1.3	1.1	1.1	0.04	0.22	0.56	0.25
11/12/92	07:45	2.7	2.3	2.2	0.06	0.42	1.00	0.52
11/12/92	07:50	1.8	1.3	1.2	0.07	0.47	0.89	0.53
11/12/92	07:55	1.8	1.4	1.4	0.04	0.44	0.85	0.52
11/12/92	08:00	2.0	1.5	1.4	0.05	0.49	0.86	0.54
11/12/92	08:05	1.3	1.1	1.1	0.02	0.17	0.52	0.19
11/12/92	08:10	2.0	1.4	1.3	0.05	0.58	0.87	0.57
11/12/92	08:15	1.4	1.1	1.1	0.04	0.30	0.54	0.28
11/12/92	08:20	1.9	1.3	1.2	0.06	0.64	0.82	0.58
11/12/92	08:25	1.9	1.2	1.1	0.06	0.67	0.83	0.57
11/12/92	08:30	2.3	1.6	1.5	0.05	0.72	0.87	0.56
11/12/92	08:35	2.1	1.4	1.3	0.05	0.70	0.84	0.55
11/12/92	08:40	2.8	2.0	1.9	0.09	0.75	0.93	0.57
11/12/92	08:45	2.7	1.9	1.8	0.06	0.76	0.89	0.58
11/12/92	08:50	2.6	1.8	1.7	0.07	0.76	0.87	0.58
11/12/92	08:55	2.1	1.3	1.2	0.07	0.80	0.81	0.57
11/12/92	09:05	2.7	2.0	1.9	0.08	0.70	1.00	0.56
11/12/92	09:10	2.2	1.5	1.4	0.08	0.70	0.83	0.56

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/12/92	09:15	2.2	1.5	1.4	0.09	0.72	0.83	0.58
11/12/92	09:20	1.9	1.4	1.3	0.08	0.52	0.75	0.36
11/12/92	09:25	2.9	2.1	2.0	0.08	0.77	0.97	0.56
11/12/92	09:30	2.0	1.3	1.2	0.07	0.71	0.79	0.55
11/12/92	09:40	1.9	1.5	1.5	0.04	0.37	0.75	0.29
11/12/92	09:45	2.8	2.0	2.0	0.02	0.82	1.00	0.49
11/12/92	09:50	3.0	2.2	2.2	0.02	0.79	1.10	0.48
11/12/92	09:55	2.7	1.9	1.9	0.02	0.80	1.00	0.49
11/12/92	10:00	2.8	2.0	2.0	0.03	0.77	1.10	0.50
11/12/92	10:05	2.3	1.5	1.5	0.03	0.80	0.97	0.50
11/12/92	10:10	1.8	1.4	1.4	0.02	0.44	0.77	0.30
11/12/92	10:30	2.1	1.3	1.3	0.03	0.77	0.91	0.50
11/20/92	18:30	1.8	1.4	1.4	0.04	0.31	0.61	0.44
11/20/92	18:35	1.9	1.8	1.7	0.06	0.16	1.00	0.39
11/20/92	18:40	3.3	3.2	3.1	0.07	0.17	1.30	0.57
11/20/92	18:45	2.9	2.7	2.5	0.15	0.20	1.30	0.69
11/20/92	18:50	4.6	4.5	4.4	0.09	0.10	1.50	0.66
11/20/92	18:55	5.0	4.4	4.3	0.10	0.63	1.40	0.83
11/20/92	19:00	5.5	5.2	5.1	0.09	0.30	1.50	0.72
11/20/92	19:05	6.7	5.4	5.2	0.19	0.32	1.60	0.65
11/20/92	19:10	6.2	5.5	5.4	0.10	0.69	1.60	0.74
11/20/92	19:15	5.6	4.7	4.6	0.12	0.91	1.40	0.78
11/20/92	19:20	5.5	4.4	4.3	0.11	1.10	1.30	0.81
11/20/92	19:25	5.7	5.3	5.1	0.19	0.43	1.40	0.61
11/20/92	19:30	5.5	5.2	5.0	0.18	0.29	1.40	0.52
11/20/92	19:35	5.2	4.6	4.4	0.16	0.67	1.30	0.63
11/20/92	19:40	5.3	4.2	4.1	0.08	1.10	1.30	0.70
11/20/92	19:45	5.0	4.5	4.3	0.20	0.53	1.30	0.57
11/20/92	19:50	4.5	4.3	4.1	0.16	0.22	1.20	0.54
11/20/92	19:55	4.8	3.8	3.7	0.10	0.99	1.30	0.65
11/20/92	20:00	4.8	4.4	4.3	0.09	0.37	1.90	0.35
11/20/92	20:05	4.0	3.9	3.8	0.08	0.11	3.60	0.29
11/20/92	20:10	5.8	5.7	5.6	0.08	0.15	3.20	0.22
11/20/92	20:15	4.9	4.4	4.3	0.09	0.47	4.40	0.22
11/20/92	20:20	3.8	3.5	3.4	0.09	0.31	1.70	0.20
11/20/92	20:25	7.3	6.7	6.6	0.08	0.62	3.80	0.21
11/20/92	20:50	6.8	6.0	5.9	0.07	0.87	4.10	0.20
11/20/92	20:55	3.6	3.3	3.2	0.08	0.33	1.60	0.16
11/20/92	21:00	6.2	5.3	5.2	0.07	0.91	4.10	0.21
11/20/92	21:05	6.0	4.9	4.8	0.05	1.10	4.00	0.29
11/20/92	21:10	4.6	4.0	3.9	0.06	0.68	1.90	0.22
11/20/92	21:15	7.0	6.3	6.2	0.06	0.72	4.20	0.25
11/20/92	21:20	7.1	6.5	6.4	0.05	0.66	4.60	0.26
11/20/92	21:25	6.2	5.6	5.5	0.05	0.66	4.60	0.27
11/20/92	21:30	5.6	5.0	4.9	0.05	0.61	4.10	0.28
11/20/92	21:35	6.4	5.9	5.8	0.05	0.56	3.80	0.29
11/20/92	21:40	6.0	5.8	5.7	0.08	0.21	3.50	0.30
11/20/92	21:45	5.4	4.9	4.8	0.05	0.51	3.60	0.32
11/20/92	21:50	4.9	4.6	4.5	0.09	0.30	3.20	0.32
11/20/92	21:55	6.2	5.2	5.2	0.03	0.92	3.30	0.38
11/20/92	22:00	5.9	4.4	4.3	0.12	0.49	3.20	0.41
11/20/92	22:05	5.0	4.5	4.4	0.07	0.53	3.00	0.37
11/20/92	22:10	4.8	4.3	4.2	0.06	0.49	2.70	0.36
11/20/92	22:15	5.7	5.1	5.1	0.04	0.55	2.90	0.25
11/20/92	22:20	4.7	4.3	4.1	0.16	0.46	2.90	0.55
11/20/92	22:25	1.9	1.2	1.2	0.04	0.62	2.30	0.39

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/20/92	22:30	4.2	3.7	3.6	0.05	0.57	1.80	0.39
11/20/92	22:45	5.6	4.8	4.7	0.05	0.80	2.80	0.42
11/22/92	00:25	1.6	1.6	1.5	0.05	0.05	0.93	0.37
11/22/92	00:30	2.0	2.0	1.9	0.07	0.05	1.20	0.36
11/22/92	00:35	1.7	1.6	1.5	0.14	0.06	0.79	0.19
11/22/92	00:40	2.7	2.6	2.5	0.06	0.09	1.70	0.03
11/22/92	00:45	3.8	3.6	3.6	0.04	0.14	5.60	0.02
11/22/92	00:50	5.3	5.1	5.1	0.04	0.18	7.90	0.01
11/22/92	00:55	5.1	4.8	4.8	0.04	0.22	7.50	0.01
11/22/92	01:00	5.1	4.8	4.8	0.03	0.26	5.30	0.01
11/22/92	01:05	4.3	3.9	3.9	0.04	0.34	5.60	0.02
11/22/92	01:10	3.6	3.2	3.2	0.04	0.38	6.00	0.02
11/22/92	01:15	3.9	3.5	3.5	0.04	0.40	7.00	0.05
11/22/92	01:20	3.7	3.3	3.3	0.04	0.37	5.60	0.05
11/22/92	01:25	3.1	2.7	2.7	0.04	0.36	5.00	0.07
11/22/92	01:30	4.1	3.7	3.7	0.04	0.35	3.50	0.09
11/22/92	01:35	3.3	2.9	2.9	0.04	0.35	1.90	0.10
11/22/92	01:40	3.8	3.4	3.4	0.03	0.36	4.40	0.10
11/22/92	01:45	3.1	2.7	2.7	0.04	0.36	4.80	0.11
11/22/92	01:50	3.1	2.7	2.7	0.03	0.37	1.60	0.10
11/22/92	01:55	3.9	3.5	3.5	0.03	0.35	5.30	0.10
11/22/92	02:00	3.9	3.5	3.5	0.04	0.39	4.00	0.11
11/22/92	02:05	4.8	4.4	4.4	0.04	0.36	3.90	0.12
11/22/92	02:10	5.9	5.5	5.5	0.03	0.34	5.00	0.12
11/22/92	02:15	5.7	5.3	5.3	0.04	0.37	3.20	0.12
11/22/92	02:20	4.8	4.5	4.5	0.02	0.31	5.10	0.06
11/22/92	02:45	3.5	3.2	3.1	0.05	0.38	3.60	0.14
11/22/92	02:50	3.6	3.2	3.2	0.04	0.38	2.00	0.14
11/22/92	02:55	2.7	2.3	2.3	0.04	0.40	3.40	0.14
11/22/92	03:00	2.7	2.4	2.3	0.05	0.38	3.20	0.16
11/22/92	03:05	3.4	3.0	3.0	0.04	0.37	2.00	0.15
11/22/92	03:10	2.9	2.5	2.5	0.04	0.35	1.60	0.16
11/22/92	03:15	3.3	2.9	2.9	0.04	0.33	1.90	0.15
11/22/92	03:20	4.3	4.0	3.9	0.05	0.32	2.80	0.16
11/22/92	03:25	3.1	2.8	2.8	0.04	0.29	3.10	0.15
11/22/92	03:30	3.3	3.0	3.0	0.04	0.25	2.00	0.13
11/22/92	03:35	3.4	3.2	3.2	0.04	0.20	3.90	0.09
11/22/92	03:40	3.1	2.9	2.9	0.04	0.16	1.90	0.05
11/22/92	03:45	4.6	4.1	4.1	0.04	0.41	6.50	0.02
11/22/92	03:50	4.8	4.6	4.6	0.04	0.19	7.50	0.03
11/22/92	03:55	5.2	4.9	4.9	0.04	0.21	8.50	0.01
11/22/92	04:00	5.7	4.8	4.7	0.08	0.94	6.20	0.01
11/22/92	04:05	5.2	4.2	4.1	0.08	1.00	5.70	0.02
11/22/92	04:10	4.3	4.0	4.0	0.03	0.30	5.70	0.03
11/22/92	04:15	3.7	3.4	3.4	0.02	0.31	4.30	0.05
11/22/92	04:20	2.8	2.5	2.5	0.02	0.31	3.80	0.06
11/22/92	04:25	3.4	3.0	3.0	0.03	0.33	4.40	0.07
11/22/92	04:30	3.1	2.8	2.8	0.03	0.30	0.36	0.08
11/22/92	04:35	3.3	2.9	2.9	0.03	0.34	3.80	0.09
11/22/92	04:40	2.9	2.5	2.5	0.03	0.35	1.60	0.11
11/22/92	06:00	3.6	3.3	3.3	0.03	0.31	3.50	0.14
11/22/92	06:05	4.7	4.4	4.4	0.02	0.31	4.10	0.13
11/22/92	06:10	4.7	4.4	4.4	0.02	0.28	3.70	0.13
11/22/92	06:20	4.4	4.1	4.1	0.02	0.29	4.10	0.13
11/22/92	06:25	3.4	3.0	3.0	0.02	0.35	2.40	0.13
11/22/92	06:30	4.5	4.1	4.1	0.03	0.34	4.00	0.13

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/22/92	06:35	4.2	3.9	3.9	0.02	0.29	3.10	0.12
11/22/92	06:40	3.6	3.3	3.3	0.02	0.30	3.10	0.12
11/22/92	06:45	4.1	3.8	3.8	0.02	0.31	4.10	0.12
11/22/92	06:50	4.7	4.4	4.4	0.02	0.31	4.10	0.12
11/22/92	06:55	4.4	4.1	4.1	0.03	0.31	2.70	0.12
11/22/92	07:00	4.4	4.1	4.1	0.02	0.32	3.30	0.11
11/22/92	07:05	5.0	4.7	4.7	0.02	0.30	4.30	0.10
11/22/92	07:10	2.9	2.5	2.5	0.03	0.35	3.30	0.12
11/22/92	07:15	4.1	3.8	3.8	0.02	0.30	3.60	0.11
11/22/92	07:20	4.0	3.7	3.7	0.03	0.23	3.60	0.06
11/22/92	07:25	4.1	3.8	3.8	0.02	0.29	3.40	0.10
11/22/92	07:30	3.9	3.5	3.5	0.03	0.36	3.80	0.10
11/22/92	07:35	4.7	4.3	4.3	0.03	0.37	3.90	0.10
11/22/92	07:40	4.8	4.5	4.5	0.02	0.31	4.20	0.06
11/22/92	07:45	4.7	4.3	4.3	0.03	0.33	3.60	0.09
11/22/92	07:50	3.8	3.4	3.4	0.04	0.38	3.50	0.09
11/22/92	07:55	4.9	4.5	4.5	0.03	0.37	4.30	0.10
12/09/92	17:10	3.7	2.8	2.8	0.03	0.89	3.10	0.10
12/09/92	17:15	4.4	3.4	3.4	0.04	0.92	2.90	0.09
12/09/92	17:20	4.1	3.2	3.2	0.03	0.91	3.00	0.09
12/09/92	17:25	3.7	2.8	2.8	0.03	0.89	2.80	0.11
12/09/92	17:30	4.0	3.1	3.1	0.03	0.90	3.00	0.11
12/09/92	17:35	3.0	2.1	2.1	0.03	0.89	1.50	0.12
12/09/92	17:40	3.4	2.5	2.5	0.03	0.88	1.60	0.12
12/09/92	17:50	3.3	2.5	2.4	0.05	0.80	1.50	0.12
12/09/92	17:55	3.2	2.8	2.8	0.02	0.33	1.90	0.10
12/09/92	18:00	3.0	2.1	2.1	0.02	0.90	1.50	0.13
12/09/92	18:05	3.0	2.1	2.1	0.02	0.90	1.40	0.14
12/09/92	18:25	4.6	3.8	3.8	0.02	0.81	3.60	0.04
12/09/92	18:30	3.8	3.2	3.2	0.02	0.62	4.50	0.04
12/09/92	18:35	4.8	3.9	3.9	0.02	0.87	3.80	0.04
12/09/92	18:45	4.2	3.5	3.5	0.02	0.68	3.40	0.05
12/09/92	18:55	4.3	3.4	3.4	0.02	0.86	3.20	0.06
12/09/92	19:00	4.0	3.1	3.1	0.03	0.88	2.80	0.07
12/09/92	19:05	4.5	3.6	3.6	0.02	0.90	3.50	0.07
12/09/92	20:10	3.2	2.2	2.2	0.04	0.94	1.30	0.12
12/09/92	20:15	2.8	1.8	1.8	0.04	0.94	1.10	0.12
12/09/92	20:20	2.9	1.9	1.9	0.04	0.97	1.20	0.12
12/09/92	20:25	3.2	2.2	2.2	0.03	0.97	1.50	0.12
12/09/92	20:30	3.4	2.4	2.4	0.03	0.99	1.50	0.11
12/09/92	20:35	3.2	2.3	2.2	0.05	0.99	1.50	0.11
12/09/92	20:40	3.3	2.3	2.3	0.04	0.96	1.40	0.12
12/09/92	20:45	3.0	2.0	2.0	0.04	1.00	1.30	0.11
12/09/92	20:50	3.3	2.3	2.3	0.03	1.00	1.50	0.11
12/09/92	20:55	3.0	2.0	2.0	0.04	1.00	1.30	0.11
12/09/92	21:00	2.9	1.9	1.9	0.04	1.00	1.20	0.12
12/09/92	21:05	3.0	2.1	2.0	0.05	0.94	1.30	0.12
12/09/92	21:10	3.6	2.6	2.6	0.03	0.97	1.60	0.12
12/09/92	21:15	4.2	3.3	3.3	0.03	0.87	2.40	0.12
12/09/92	21:20	3.9	3.0	3.0	0.04	0.88	1.90	0.11
12/09/92	21:25	4.0	3.1	3.1	0.03	0.88	1.90	0.11
12/09/92	21:30	3.9	3.0	3.0	0.04	0.86	1.80	0.11
12/09/92	21:35	4.2	2.6	2.5	0.11	1.60	1.80	0.10
12/09/92	21:40	3.7	2.8	2.8	0.03	0.87	1.80	0.11
12/09/92	21:45	3.6	2.7	2.7	0.03	0.88	1.80	0.11
12/09/92	21:50	4.1	3.1	3.1	0.04	0.91	1.80	0.10

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
12/09/92	21:55	3.6	2.8	2.7	0.05	0.88	1.80	0.11
12/09/92	22:00	3.7	2.8	2.8	0.04	0.90	1.90	0.11
12/09/92	22:35	3.3	2.4	2.4	0.04	0.82	1.60	0.08
12/09/92	22:40	2.7	2.6	2.5	0.05	0.13	1.70	0.13
12/09/92	22:45	3.5	2.6	2.6	0.03	0.89	1.70	0.12
12/09/92	22:50	3.4	2.5	2.4	0.06	0.94	1.70	0.13
12/09/92	22:55	4.0	2.8	2.7	0.07	1.20	1.80	0.11
12/09/92	23:00	3.9	2.3	2.2	0.12	1.60	1.70	0.12
12/09/92	23:05	3.3	2.4	2.3	0.05	0.93	1.80	0.13
12/09/92	23:10	2.5	2.1	2.0	0.05	0.41	1.40	0.05
12/09/92	23:15	3.6	2.7	2.6	0.06	0.92	1.80	0.13
12/09/92	23:20	3.6	2.7	2.6	0.06	0.93	1.70	0.12
12/09/92	23:25	4.1	2.6	2.5	0.11	1.50	1.80	0.12
12/09/92	23:30	3.4	2.5	2.4	0.06	0.93	1.60	0.12
12/09/92	23:35	3.0	2.1	2.0	0.05	0.93	1.40	0.13
12/09/92	23:40	3.4	2.5	2.4	0.05	0.91	1.60	0.13
12/09/92	23:45	3.3	2.4	2.3	0.05	0.92	1.60	0.13
12/09/92	23:50	3.3	2.4	2.3	0.05	0.93	1.70	0.13
12/09/92	23:55	3.4	2.5	2.4	0.05	0.94	1.80	0.12
12/09/92	24:00	3.4	2.5	2.4	0.05	0.93	1.70	0.12
12/10/92	00:05	3.1	2.2	2.1	0.05	0.94	1.80	0.13
12/10/92	00:15	3.3	2.5	2.4	0.06	0.86	1.90	0.11
12/10/92	00:20	3.2	2.3	2.2	0.07	0.93	1.60	0.12
02/21/93	07:15	--	2.8	--	--	--	0.78	--
02/21/93	07:20	--	3.3	--	--	--	1.10	--
02/21/93	07:25	--	2.6	--	--	--	0.76	--
02/21/93	07:30	--	2.2	--	--	--	0.75	--
02/21/93	07:35	--	2.5	--	--	--	0.80	--
02/21/93	07:45	--	2.6	--	--	--	0.97	--
02/21/93	07:50	--	2.0	--	--	--	0.71	--
02/21/93	07:55	--	2.5	--	--	--	0.98	--
02/21/93	08:05	--	2.2	--	--	--	0.78	--
02/21/93	08:30	--	2.7	--	--	--	0.97	--
02/21/93	08:35	--	2.6	--	--	--	1.00	--
02/21/93	08:40	--	2.7	--	--	--	1.10	--
02/21/93	08:45	--	2.3	--	--	--	1.00	--
02/21/93	08:50	--	2.3	--	--	--	0.93	--
02/21/93	08:55	--	2.7	--	--	--	1.10	--
02/21/93	09:00	--	2.6	--	--	--	1.00	--
02/21/93	09:05	--	2.2	--	--	--	1.00	--
02/21/93	09:10	--	2.5	--	--	--	1.20	--
02/21/93	09:15	--	2.9	--	--	--	1.20	--
02/21/93	09:20	--	2.7	--	--	--	1.10	--
02/21/93	09:25	--	1.7	--	--	--	0.75	--
02/21/93	09:45	--	2.1	--	--	--	1.00	--
02/21/93	09:50	--	1.8	--	--	--	0.90	--
02/21/93	09:55	--	2.3	--	--	--	0.97	--
02/21/93	10:00	--	2.2	--	--	--	0.98	--
02/21/93	10:05	--	2.3	--	--	--	1.00	--
02/21/93	10:10	--	1.9	--	--	--	0.92	--
02/21/93	10:15	--	2.2	--	--	--	1.00	--
02/21/93	10:20	--	1.7	--	--	--	0.83	--
02/21/93	10:25	--	2.3	--	--	--	1.00	--
02/21/93	10:30	--	2.1	--	--	--	0.97	--
02/21/93	10:35	--	2.0	--	--	--	0.98	--
02/21/93	10:40	--	2.0	--	--	--	0.93	--

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
02/21/93	10:45	--	2.3	--	--	--	1.00	--
02/21/93	10:50	--	1.9	--	--	--	0.98	--
08/02/93	01:10	--	3.0	--	--	--	0.88	--
08/02/93	01:15	--	1.8	--	--	--	1.00	--
08/02/93	01:25	--	2.8	--	--	--	2.00	--
08/02/93	01:30	--	2.5	--	--	--	2.00	--
08/02/93	01:35	--	2.2	--	--	--	1.60	--
08/02/93	01:40	--	2.6	--	--	--	1.60	--
08/02/93	01:45	--	2.2	--	--	--	1.70	--
08/02/93	01:50	--	4.0	--	--	--	0.94	--
08/02/93	01:55	--	1.8	--	--	--	2.00	--
08/02/93	02:00	--	1.6	--	--	--	0.60	--
08/02/93	02:05	--	1.9	--	--	--	0.68	--
08/02/93	02:10	--	2.0	--	--	--	0.64	--
08/02/93	02:15	--	4.0	--	--	--	2.10	--
08/02/93	02:20	--	3.1	--	--	--	1.70	--
08/02/93	02:25	--	2.5	--	--	--	1.30	--
08/02/93	02:30	--	2.8	--	--	--	0.72	--
08/02/93	02:35	--	2.6	--	--	--	2.00	--
08/02/93	02:40	--	2.5	--	--	--	0.74	--
08/02/93	02:45	--	2.6	--	--	--	0.72	--
08/02/93	02:50	--	3.2	--	--	--	2.00	--
08/02/93	02:55	--	3.7	--	--	--	1.30	--
08/02/93	03:00	--	2.9	--	--	--	1.80	--
08/02/93	03:05	--	2.6	--	--	--	2.00	--
08/02/93	03:10	--	2.5	--	--	--	1.70	--
08/02/93	03:15	--	2.6	--	--	--	1.90	--
08/02/93	03:20	--	2.4	--	--	--	1.80	--
08/02/93	03:25	--	3.1	--	--	--	1.80	--
08/02/93	03:30	--	3.1	--	--	--	1.70	--
08/02/93	03:35	--	4.1	--	--	--	1.50	--
08/02/93	03:40	--	3.3	--	--	--	1.60	--
08/02/93	03:45	--	4.0	--	--	--	1.40	--
08/02/93	03:50	--	2.8	--	--	--	1.60	--
08/02/93	03:55	--	4.2	--	--	--	1.30	--
08/02/93	04:00	--	3.5	--	--	--	1.40	--
08/02/93	04:05	--	3.5	--	--	--	1.30	--
08/02/93	04:10	--	3.6	--	--	--	1.20	--
08/02/93	04:15	--	3.1	--	--	--	1.20	--
08/02/93	04:20	--	3.5	--	--	--	1.20	--
08/02/93	04:25	--	3.1	--	--	--	1.10	--
08/02/93	04:30	--	3.4	--	--	--	1.10	--
11/14/93	13:05	4.6	4.6	--	--	0.02	0.87	0.75
11/14/93	13:10	2.8	2.7	--	--	0.06	0.96	0.58
11/14/93	13:15	2.3	1.7	--	--	0.62	1.00	0.60
11/14/93	13:20	2.1	1.6	--	--	0.47	0.80	0.56
11/14/93	13:25	1.7	1.3	--	--	0.42	0.72	0.54
11/14/93	13:30	2.0	1.5	--	--	0.46	0.58	0.45
11/14/93	13:35	2.9	2.3	--	--	0.60	0.75	0.49
11/14/93	13:40	1.9	1.4	--	--	0.53	0.62	0.49
11/14/93	13:45	1.9	1.4	--	--	0.53	0.62	0.49
11/14/93	13:50	1.8	1.3	--	--	0.54	0.57	0.50
11/14/93	13:55	2.1	1.5	--	--	0.55	0.81	0.49
11/14/93	14:00	1.7	1.2	--	--	0.52	0.80	0.50
11/14/93	14:05	1.9	1.4	--	--	0.46	1.10	0.29

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/14/93	14:10	2.8	2.1	--	--	0.65	0.98	0.60
11/14/93	14:15	2.2	1.5	--	--	0.68	1.10	0.66
11/14/93	14:20	2.4	1.8	--	--	0.58	0.96	0.33
11/14/93	14:25	2.4	1.9	--	--	0.54	0.83	0.28
11/14/93	14:30	2.0	1.5	--	--	0.54	0.93	0.26
11/14/93	14:35	1.8	1.2	--	--	0.62	0.88	0.36
11/14/93	14:40	3.7	3.2	--	--	0.53	0.77	0.27
11/14/93	14:45	2.6	2.1	--	--	0.54	1.10	0.24
11/14/93	14:50	2.3	1.7	--	--	0.57	0.90	0.32
11/14/93	15:00	2.5	1.9	--	--	0.61	0.75	0.41
11/14/93	15:20	2.2	1.5	--	--	0.65	0.84	0.58
11/14/93	15:25	2.3	1.6	--	--	0.66	0.83	0.63
11/14/93	15:30	2.0	1.4	--	--	0.64	0.85	0.60
11/14/93	15:35	1.9	1.3	--	--	0.62	0.73	0.57
11/14/93	15:40	2.0	1.4	--	--	0.61	1.30	0.56
11/14/93	15:45	2.0	1.4	--	--	0.60	0.80	0.54
11/14/93	15:50	2.0	1.4	--	--	0.59	0.93	0.54
11/14/93	15:55	1.9	1.3	--	--	0.56	0.78	0.53
11/14/93	16:00	1.8	1.3	--	--	0.54	0.68	0.53
11/14/93	16:05	1.7	1.2	--	--	0.53	0.71	0.54
11/14/93	16:10	1.9	1.4	--	--	0.52	0.78	0.53
11/14/93	16:15	1.8	1.3	--	--	0.51	0.76	0.53
11/14/93	16:20	1.9	1.4	--	--	0.50	0.66	0.52
11/14/93	16:25	1.9	1.4	--	--	0.48	0.75	0.51
11/14/93	16:30	1.8	1.3	--	--	0.46	0.77	0.51
11/14/93	16:45	2.9	2.4	--	--	0.47	0.71	0.51
11/14/93	16:50	1.7	1.2	--	--	0.46	0.75	0.51
11/14/93	16:55	1.7	1.2	--	--	0.46	0.74	0.51
11/14/93	17:00	2.0	1.5	--	--	0.47	0.72	0.49
11/14/93	17:05	1.9	1.4	--	--	0.47	0.75	0.54
11/14/93	17:10	2.0	1.5	--	--	0.49	0.77	0.54
11/14/93	17:15	1.7	1.2	--	--	0.49	0.76	0.51
11/14/93	17:20	2.0	1.5	--	--	0.49	0.74	0.51
11/14/93	17:25	1.9	1.4	--	--	0.50	0.77	0.50
11/14/93	17:30	2.6	2.1	--	--	0.51	0.74	0.53
11/14/93	17:35	2.4	1.9	--	--	0.53	0.73	0.53
11/14/93	17:40	1.7	1.2	--	--	0.53	0.78	0.52
11/14/93	17:45	1.7	1.2	--	--	0.54	0.77	0.52
11/14/93	17:50	1.8	1.3	--	--	0.54	0.73	0.52
11/14/93	17:55	2.1	1.5	--	--	0.56	0.73	0.52
11/14/93	18:00	1.9	1.3	--	--	0.56	0.84	0.51
11/14/93	18:05	2.5	1.9	--	--	0.57	0.74	0.52
11/14/93	18:10	2.0	1.4	--	--	0.59	0.78	0.52
11/14/93	18:15	2.3	1.7	--	--	0.57	0.75	0.49
11/14/93	18:20	2.1	1.5	--	--	0.59	0.77	0.49
11/14/93	18:25	2.1	1.5	--	--	0.60	0.73	0.51
11/14/93	18:30	2.3	1.7	--	--	0.59	0.73	0.49
11/14/93	18:35	1.9	1.3	--	--	0.59	0.71	0.51
11/14/93	18:40	2.5	1.9	--	--	0.60	0.69	0.53
11/14/93	18:45	2.2	1.6	--	--	0.60	0.73	0.50
11/14/93	19:30	2.3	1.7	--	--	0.58	0.67	0.50
11/14/93	19:45	2.1	1.5	--	--	0.58	0.68	0.49
11/14/93	20:00	2.2	1.6	--	--	0.56	0.66	0.48
11/14/93	20:15	2.1	1.6	--	--	0.48	0.65	0.36
11/14/93	20:30	1.9	1.4	--	--	0.54	0.65	0.45
11/14/93	20:45	2.0	1.5	--	--	0.53	0.63	0.43
11/14/93	21:00	1.9	1.4	--	--	0.51	0.62	0.45

Table 5. Nitrogen and phosphorus data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1993--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/14/93	21:15	1.7	1.3	--	--	0.39	0.63	0.29
11/14/93	21:55	1.7	1.3	--	--	0.40	0.56	0.36
11/14/93	22:05	2.3	1.9	--	--	0.38	0.52	0.39
11/14/93	22:20	1.7	1.3	--	--	0.36	0.55	0.40
11/14/93	22:35	1.6	1.3	--	--	0.34	0.53	0.38
11/14/93	22:50	1.8	1.5	--	--	0.31	0.50	0.37
11/14/93	23:05	1.5	1.2	--	--	0.29	0.51	0.36
11/14/93	23:20	1.5	1.3	--	--	0.23	0.53	0.23
11/14/93	23:35	1.6	1.3	--	--	0.25	0.49	0.36
11/14/93	23:50	1.4	1.2	--	--	0.20	0.51	0.30
11/15/93	00:05	1.5	1.3	--	--	0.22	0.51	0.29
11/15/93	00:20	1.6	1.4	--	--	0.20	0.47	0.28
11/15/93	00:35	1.4	1.2	--	--	0.19	0.46	0.28
11/15/93	00:50	1.5	1.3	--	--	0.18	0.47	0.32
11/15/93	01:20	1.7	1.5	--	--	0.15	0.47	0.26
11/15/93	07:35	1.3	1.2	--	--	0.11	0.44	0.33

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
05/19/90	18:05	1.8	1.9	1.7	0.15	0.80	0.64	0.28
05/19/90	18:35	2.0	2.0	1.9	0.13	0.70	0.57	0.24
05/19/90	19:05	2.2	2.2	2.0	0.16	0.60	0.79	0.42
05/19/90	20:05	2.2	2.2	2.1	0.10	0.60	0.79	0.42
05/19/90	21:10	2.2	2.2	2.1	0.13	0.50	0.73	0.52
05/20/90	01:40	4.4	4.4	4.3	0.07	0.50	1.60	0.18
05/20/90	03:10	2.4	2.4	2.1	0.25	0.40	1.00	0.52
05/20/90	04:40	2.5	2.5	2.4	0.12	0.30	0.61	0.43
05/20/90	06:10	1.9	1.9	1.8	0.11	0.20	0.71	0.46
05/20/90	07:40	1.4	1.4	1.3	0.09	0.20	0.60	0.37
06/22/90	02:20	8.6	8.6	3.1	5.50	3.20	6.70	0.01
06/22/90	02:50	6.9	6.9	2.6	4.30	7.80	3.50	3.20
06/22/90	03:30	4.7	4.7	1.0	3.70	9.90	3.10	3.00
06/22/90	04:05	5.0	5.0	2.4	2.60	8.00	2.50	2.50
06/22/90	05:10	4.3	4.3	2.3	2.00	7.10	2.40	2.30
06/22/90	06:15	4.4	4.4	2.6	1.80	8.10	2.20	2.20
06/22/90	09:45	3.6	3.6	2.9	0.73	4.10	1.40	1.20
10/03/90	20:30	2.7	2.0	1.6	0.41	0.70	2.20	1.10
10/03/90	21:00	2.8	2.0	1.6	0.44	0.80	2.10	1.30
10/03/90	21:30	3.0	2.1	1.7	0.40	0.90	1.80	1.30
10/04/90	00:40	2.4	1.9	1.8	0.11	0.50	1.60	0.69
10/04/90	01:40	2.6	2.0	1.8	0.24	0.60	1.60	1.10
10/04/90	02:10	2.0	1.6	1.4	0.22	0.40	1.80	0.82
10/04/90	02:40	1.8	1.5	1.3	0.15	0.30	1.10	0.82
10/04/90	03:10	1.8	1.2	1.1	0.07	0.60	0.63	0.62
10/04/90	04:10	1.8	1.2	1.1	0.07	0.60	0.66	0.67
10/04/90	05:10	1.4	0.7	0.6	0.06	0.70	0.67	0.77
10/04/90	08:30	1.4	0.6	0.5	0.06	0.80	0.76	0.94
01/06/91	04:00	2.1	1.4	1.1	0.31	0.70	0.69	0.37
01/06/91	04:10	2.1	1.5	1.2	0.26	0.60	0.99	0.61
01/06/91	04:40	2.0	1.6	1.4	0.18	0.40	0.75	0.25
01/06/91	05:10	1.7	1.4	1.3	0.14	0.30	0.65	0.23
01/06/91	05:40	1.7	1.5	1.4	0.12	0.20	0.58	0.19
01/06/91	06:40	1.2	1.0	0.9	0.10	0.20	0.49	0.20
01/06/91	08:40	1.1	0.9	0.8	0.08	0.20	0.46	0.21
01/06/91	09:40	1.2	1.0	0.9	0.09	0.20	0.46	0.20
01/06/91	10:40	1.2	1.0	0.9	0.07	0.20	0.55	0.29
01/06/91	11:40	1.0	0.8	0.7	0.07	0.20	0.40	0.18
01/06/91	18:30	0.9	0.7	0.6	0.06	0.20	0.36	0.18
01/06/91	20:00	0.8	0.7	0.6	0.06	0.10	0.31	0.15
01/06/91	21:30	0.7	0.6	0.6	0.05	0.10	0.35	0.15
01/06/91	23:00	0.7	0.6	0.6	0.05	0.10	0.34	0.15
01/07/91	00:30	0.8	0.7	0.7	0.05	0.10	0.28	0.13
01/07/91	03:30	0.7	0.6	0.5	0.06	0.10	0.28	0.13
01/07/91	11:00	1.0	0.8	0.8	0.05	0.20	0.26	0.12
03/28/91	20:20	2.1	1.2	1.0	0.22	0.92	0.70	0.39
05/25/91	10:15	5.5	4.0	3.6	0.39	1.50	1.10	0.62
05/25/91	10:20	6.5	5.0	4.6	0.35	1.50	1.40	0.70
05/25/91	10:30	4.5	3.4	3.2	0.24	1.10	1.00	0.64
05/25/91	10:45	3.0	2.4	2.2	0.16	0.59	0.91	0.49
05/25/91	11:15	2.0	1.7	1.6	0.08	0.25	0.72	0.38
05/25/91	12:00	--	--	1.4	--	--	--	--

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
05/25/91	16:30	--	--	1.6	--	--	--	--
05/25/91	17:30	1.8	1.7	1.7	0.03	0.09	0.32	0.20
05/25/91	18:30	--	--	1.5	--	--	--	--
05/28/91	11:55	1.4	1.1	1.0	0.12	0.25	0.18	0.11
05/29/91	13:55	2.1	1.8	1.5	0.25	0.25	0.45	0.28
06/11/91	15:45	7.4	3.1	2.2	0.90	4.30	0.99	0.97
06/11/91	15:50	12.5	5.1	3.3	1.80	7.40	3.10	1.40
06/11/91	15:55	18.9	7.9	5.3	2.60	11.00	3.20	2.20
06/11/91	16:00	18.4	7.4	4.8	2.60	11.00	3.40	2.40
06/11/91	16:05	17.0	6.0	3.5	2.50	11.00	2.60	2.50
06/11/91	16:10	18.1	7.1	4.7	2.40	11.00	2.90	2.30
06/11/91	16:25	15.4	6.2	4.3	1.90	9.20	2.60	2.20
06/11/91	16:40	7.4	3.2	2.4	0.77	4.20	1.30	1.20
06/11/91	16:55	5.7	2.8	2.3	0.49	2.90	1.30	1.30
06/11/91	17:10	5.8	2.8	2.3	0.48	3.00	1.40	1.10
06/11/91	17:25	6.5	3.3	2.8	0.52	3.20	1.30	1.20
06/11/91	17:40	7.3	3.6	2.9	0.68	3.70	1.70	1.40
06/11/91	19:10	3.6	2.5	2.3	0.16	1.10	0.88	0.66
06/11/91	20:00	6.1	3.1	2.6	0.46	3.00	1.40	0.99
06/12/91	13:30	2.3	1.7	1.6	0.14	0.60	0.37	0.27
06/12/91	18:00	12.6	5.6	3.9	1.70	7.00	1.70	1.30
06/12/91	18:05	13.5	5.8	4.1	1.70	7.70	1.70	1.40
06/12/91	18:10	16.4	7.1	4.9	2.20	9.30	1.70	1.60
06/12/91	18:15	8.1	4.3	3.4	0.94	3.80	1.00	0.73
06/12/91	18:20	3.6	1.6	1.2	0.40	2.00	0.82	0.47
06/12/91	18:25	3.9	2.5	2.2	0.29	1.40	0.78	0.56
06/12/91	18:40	4.2	3.1	2.9	0.23	1.10	0.76	0.78
06/12/91	18:55	4.2	3.1	2.9	0.17	1.10	0.84	0.67
06/12/91	19:25	3.6	2.5	2.3	0.18	1.10	0.82	0.58
06/12/91	19:40	3.4	2.4	2.2	0.15	1.00	0.78	0.57
06/12/91	19:55	2.9	1.9	1.7	0.17	1.00	0.65	0.52
06/12/91	21:05	3.5	2.5	2.3	0.19	1.00	0.82	0.59
07/03/91	18:20	6.3	2.9	2.3	0.56	3.40	0.53	0.32
07/03/91	18:25	9.1	6.0	5.3	0.68	3.10	0.81	0.75
07/03/91	18:30	5.7	2.7	2.1	0.64	3.00	0.91	0.72
07/03/91	18:35	5.3	2.7	2.1	0.63	2.60	0.89	0.70
07/03/91	18:40	5.3	2.9	2.3	0.60	2.40	0.94	0.75
07/03/91	18:45	4.9	2.7	2.1	0.55	2.20	0.77	0.50
07/03/91	19:00	5.8	4.3	3.9	0.39	1.50	0.80	0.39
07/03/91	19:15	4.1	2.6	2.2	0.39	1.50	3.50	0.40
07/03/91	19:30	3.4	2.0	1.6	0.37	1.40	0.82	0.39
07/03/91	19:45	3.8	2.7	2.4	0.30	1.10	1.40	0.46
07/03/91	20:00	3.6	2.4	2.1	0.28	1.20	0.83	0.54
07/03/91	20:15	3.9	2.5	2.2	0.27	1.40	0.91	0.54
07/03/91	20:16	4.8	3.4	3.2	0.15	1.40	0.89	0.52
07/24/91	22:10	4.2	2.8	2.2	0.64	1.40	0.96	0.62
07/24/91	22:15	3.2	2.0	1.2	0.80	1.20	1.40	0.62
07/24/91	22:20	3.9	2.6	1.6	1.00	1.30	2.00	0.69
07/24/91	22:25	3.9	2.6	1.6	0.96	1.30	1.20	0.70
07/24/91	22:30	3.5	2.4	1.5	0.92	1.10	1.10	0.64
07/24/91	22:35	3.3	2.3	1.5	0.79	0.99	1.70	0.58

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
07/24/91	22:50	3.3	2.3	1.4	0.89	1.00	1.80	0.68
07/24/91	23:05	3.3	2.4	1.8	0.61	0.86	0.93	0.44
07/24/91	23:20	2.9	2.0	1.3	0.68	0.92	1.30	0.60
07/24/91	23:35	3.0	2.0	1.3	0.70	0.96	0.88	0.55
07/24/91	23:50	3.0	2.0	1.3	0.73	0.97	0.98	0.59
07/25/91	00:15	3.4	2.3	1.5	0.83	1.10	1.30	0.68
08/09/91	03:30	4.5	3.3	2.9	0.37	1.20	1.40	0.60
08/09/91	03:35	2.9	1.9	1.5	0.35	0.98	0.87	0.49
08/09/91	03:40	3.0	2.1	1.7	0.40	0.87	0.93	0.55
08/09/91	03:45	2.4	1.6	1.2	0.43	0.76	0.76	0.54
08/09/91	03:50	3.0	2.3	1.9	0.37	0.68	0.80	0.51
08/09/91	03:55	2.6	1.9	1.5	0.45	0.66	0.84	0.52
08/09/91	04:10	2.0	1.4	1.0	0.42	0.59	0.66	0.55
08/09/91	04:25	2.0	1.4	1.1	0.32	0.55	0.63	0.44
08/09/91	04:40	2.0	1.5	1.2	0.30	0.54	0.66	0.42
08/09/91	04:55	1.8	1.3	1.0	0.31	0.49	0.59	0.50
08/09/91	05:10	1.8	1.3	1.1	0.21	0.52	0.60	0.32
08/09/91	05:25	2.1	1.5	1.3	0.18	0.60	0.61	0.21
08/09/91	15:05	3.7	2.4	2.3	0.05	1.30	0.87	0.22
11/01/91	01:15	1.9	1.2	1.1	0.13	0.74	1.60	1.40
11/01/91	01:30	1.7	1.1	1.0	0.10	0.60	1.70	1.50
11/01/91	01:45	1.4	0.9	0.8	0.09	0.49	1.80	1.60
11/01/91	01:55	1.4	0.9	0.8	0.11	0.54	1.80	1.60
11/01/91	02:00	1.5	0.9	0.8	0.11	0.56	1.90	1.60
11/01/91	02:15	1.6	1.1	1.0	0.12	0.50	1.70	1.60
11/01/91	02:30	1.6	1.2	1.1	0.05	0.41	0.80	0.76
11/01/91	02:45	1.7	1.0	0.9	0.08	0.68	1.40	1.20
11/01/91	03:15	1.4	0.8	0.7	0.09	0.58	1.50	1.50
11/01/91	03:30	1.4	0.8	0.7	0.09	0.58	1.80	1.50
11/01/91	03:45	2.0	1.4	1.3	0.06	0.56	1.70	1.00
11/01/91	04:00	1.2	0.7	0.7	0.05	0.51	0.97	0.76
11/01/91	04:15	1.8	1.4	1.3	0.05	0.41	1.30	0.75
11/01/91	04:30	1.5	1.5	1.5	0.04	0.04	1.30	0.72
11/01/91	04:45	1.4	1.0	1.0	0.04	0.35	1.00	0.65
11/01/91	05:00	1.3	0.9	0.8	0.06	0.36	0.94	0.73
11/01/91	05:15	1.2	0.8	0.7	0.06	0.38	0.86	0.74
11/01/91	09:30	1.2	1.1	1.0	0.06	0.68	0.79	0.58
11/19/91	22:30	2.5	1.5	1.4	0.06	0.98	0.89	0.43
11/19/91	22:45	1.1	0.6	0.4	0.17	0.53	1.60	1.10
11/19/91	23:00	1.7	1.3	1.2	0.11	0.39	0.96	0.64
11/19/91	23:15	1.5	1.2	1.1	0.07	0.28	0.77	0.47
11/19/91	23:45	0.5	0.3	0.3	0.05	0.24	0.37	0.34
11/19/91	24:00	1.3	1.0	0.9	0.10	0.25	0.63	0.39
11/20/91	00:15	1.2	0.9	0.9	0.04	0.25	0.62	0.39
11/20/91	00:30	1.1	0.8	0.8	0.05	0.25	0.58	0.42
11/20/91	00:45	2.4	2.1	2.0	0.05	0.29	0.79	0.40
11/20/91	01:00	1.3	1.0	1.0	0.05	0.30	0.66	0.45
11/20/91	01:15	1.4	1.1	1.1	0.04	0.34	0.67	0.47
11/20/91	01:30	1.2	0.8	0.8	0.04	0.37	0.68	0.54
11/20/91	01:45	1.6	1.2	1.2	0.04	0.37	0.90	0.61
11/20/91	02:00	1.8	1.4	1.4	0.04	0.39	0.98	0.66
11/20/91	02:15	1.5	1.1	1.1	0.04	0.41	0.85	0.62
11/20/91	02:30	1.5	1.1	1.1	0.04	0.41	0.95	0.66
11/20/91	02:45	1.5	1.1	1.1	0.03	0.43	0.85	0.65
11/20/91	03:15	1.4	0.9	0.9	0.03	0.47	0.88	0.69

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/20/91	11:15	1.8	1.1	1.0	0.05	0.80	1.10	0.95
11/20/91	11:30	1.7	0.9	0.9	0.03	0.80	1.00	0.96
11/20/91	11:45	1.8	1.0	1.0	0.04	0.80	1.10	0.97
11/20/91	12:00	1.8	1.0	1.0	0.04	0.82	1.10	0.97
11/20/91	12:15	1.8	1.0	1.0	0.04	0.79	1.10	0.94
11/20/91	12:30	1.8	1.0	1.0	0.04	0.77	1.00	0.87
11/20/91	12:45	1.9	1.1	1.1	0.04	0.78	1.00	0.91
11/20/91	13:00	1.8	1.0	0.9	0.06	0.78	0.99	0.88
11/20/91	13:15	1.8	1.0	1.0	0.04	0.76	0.96	0.85
11/20/91	14:00	2.2	1.4	1.4	0.04	0.75	1.00	0.81
02/11/92	16:15	--	2.0	--	--	--	0.58	--
02/11/92	16:30	--	2.0	--	--	--	0.59	--
02/17/92	19:55	4.0	3.4	3.2	0.18	0.56	1.90	0.40
02/17/92	20:00	4.9	4.2	3.9	0.25	0.69	2.10	0.68
02/17/92	20:05	2.6	1.9	1.7	0.18	0.69	1.10	0.61
02/17/92	20:10	2.0	1.3	1.1	0.19	0.66	0.97	0.67
02/17/92	20:15	2.4	1.8	1.6	0.18	0.64	1.20	0.65
02/17/92	20:20	2.0	1.4	1.2	0.16	0.64	0.89	0.65
02/17/92	20:25	2.3	1.7	1.6	0.12	0.60	2.10	0.55
02/17/92	20:30	1.8	1.2	1.1	0.10	0.61	0.76	0.52
02/17/92	20:35	2.5	1.9	1.8	0.13	0.61	1.10	0.62
02/17/92	20:40	2.5	2.0	1.9	0.10	0.54	1.20	0.51
02/17/92	20:45	1.8	1.3	1.2	0.10	0.48	0.81	0.50
02/17/92	20:50	1.7	1.2	1.1	0.10	0.46	0.67	0.42
02/17/92	20:55	1.6	1.1	0.9	0.16	0.48	0.59	0.44
02/17/92	21:00	1.9	1.5	1.3	0.15	0.41	0.72	0.35
02/17/92	21:05	1.6	1.1	1.0	0.13	0.50	0.59	0.30
02/17/92	21:10	1.8	1.3	1.2	0.13	0.52	0.65	0.33
02/17/92	21:15	1.7	1.2	1.0	0.16	0.54	0.63	0.38
02/17/92	21:20	2.2	1.7	1.6	0.12	0.54	0.84	0.36
02/17/92	21:25	1.9	1.4	1.3	0.13	0.53	0.69	0.33
02/17/92	21:30	2.4	2.1	2.0	0.07	0.31	1.10	0.21
02/17/92	21:35	1.6	1.1	1.0	0.10	0.54	0.56	0.34
02/17/92	21:40	1.9	1.4	1.3	0.13	0.54	0.70	0.37
02/17/92	21:45	1.8	1.3	1.2	0.12	0.50	0.67	0.38
02/17/92	21:50	1.8	1.3	1.2	0.13	0.52	0.66	0.40
02/17/92	21:55	1.6	1.1	1.0	0.08	0.49	0.54	0.33
02/17/92	22:00	1.3	0.8	0.7	0.11	0.46	0.44	0.35
02/17/92	22:05	1.6	1.1	1.0	0.09	0.48	0.53	0.36
02/17/92	22:10	1.8	1.3	1.2	0.05	0.47	0.64	0.26
02/17/92	22:15	1.3	0.8	0.7	0.10	0.46	0.44	0.33
02/17/92	22:20	1.5	1.1	1.0	0.09	0.44	0.55	0.36
02/17/92	22:25	1.6	1.2	1.1	0.08	0.41	0.60	0.30
02/17/92	22:30	1.9	1.5	1.4	0.09	0.41	0.74	0.33
02/17/92	22:35	1.3	0.9	0.8	0.09	0.41	0.62	0.33
02/17/92	22:40	1.4	1.0	0.9	0.08	0.41	0.46	0.31
02/17/92	22:45	2.0	1.6	1.5	0.06	0.40	0.75	0.28
02/17/92	22:50	1.6	1.2	1.1	0.09	0.39	0.55	0.32
02/17/92	22:55	1.2	0.8	0.7	0.09	0.41	0.39	0.33
02/17/92	23:00	1.8	1.4	1.3	0.09	0.44	0.69	0.26
02/17/92	23:05	1.5	1.0	0.9	0.07	0.46	0.41	0.29
02/17/92	23:10	2.1	1.6	1.5	0.09	0.54	0.69	0.29
02/17/92	23:15	1.9	1.3	1.2	0.09	0.60	0.60	0.30
02/17/92	23:20	2.3	1.7	1.6	0.09	0.63	0.88	0.29
02/17/92	23:25	1.4	0.7	0.6	0.08	0.68	0.41	0.26

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
02/17/92	23:45	1.9	1.1	1.0	0.10	0.79	0.50	0.27
02/17/92	23:50	1.8	1.0	0.9	0.08	0.76	0.45	0.22
02/17/92	23:55	1.8	1.0	0.9	0.13	0.82	0.47	0.32
02/17/92	24:00							
		2.4	1.6	1.5	0.10	0.82	0.76	0.28
02/18/92	00:05	2.5	1.7	1.6	0.10	0.84	0.86	0.28
02/18/92	00:10	2.2	1.3	1.2	0.11	0.86	0.55	0.30
02/18/92	00:15	1.9	1.0	0.9	0.11	0.88	0.47	0.31
02/18/92	00:20	2.1	1.2	1.1	0.10	0.90	0.53	0.29
02/18/92	00:25	2.2	1.3	1.2	0.06	0.91	0.64	0.24
02/18/92	00:30	1.9	1.0	0.9	0.09	0.93	0.45	0.29
02/18/92	00:35	2.6	1.7	1.6	0.11	0.94	0.84	0.34
02/18/92	00:40	2.1	1.1	1.0	0.11	1.00	0.56	0.27
02/18/92	00:45	2.2	1.2	1.1	0.08	1.00	0.53	0.24
02/18/92	00:50	2.3	1.2	1.1	0.08	1.10	0.52	0.22
02/18/92	00:55	2.4	1.3	1.2	0.11	1.10	0.72	0.32
02/18/92	01:00	2.5	1.3	1.2	0.11	1.20	0.62	0.29
02/18/92	01:05	2.8	1.6	1.5	0.11	1.20	0.75	0.31
02/18/92	01:10	2.2	1.0	0.9	0.09	1.20	0.45	0.29
02/18/92	01:15	2.9	1.7	1.6	0.10	1.20	0.70	0.32
02/18/92	01:20	2.4	1.2	1.1	0.10	1.20	0.51	0.28
02/18/92	01:25	2.2	1.0	0.9	0.11	1.20	0.53	0.31
02/18/92	01:30	2.3	1.1	1.0	0.11	1.20	0.64	0.30
02/18/92	01:35	2.6	1.3	1.2	0.11	1.30	0.57	0.32
02/18/92	09:45	2.4	1.1	1.1	0.03	1.30	0.41	0.10
03/18/92	07:40	5.0	3.2	1.1	2.10	1.80	1.40	0.80
03/18/92	07:45	26.0	15.0	4.0	11.00	11.00	7.80	6.50
03/18/92	07:50	27.0	15.0	1.0	14.00	12.00	8.20	7.00
03/18/92	07:55	26.0	15.0	1.0	14.00	11.00	9.30	8.70
03/18/92	08:05	30.0	17.0	1.0	16.00	13.00	9.40	10.00
03/18/92	08:10	30.0	17.0	1.0	16.00	13.00	9.60	10.00
03/18/92	08:15	32.0	19.0	2.0	17.00	13.00	11.00	11.00
03/18/92	08:20	33.0	19.0	2.0	17.00	14.00	9.90	10.00
03/18/92	08:25	33.0	19.0	1.0	18.00	14.00	10.00	11.00
03/18/92	08:30	29.0	16.0	0.0	16.00	13.00	11.00	9.80
03/18/92	08:35	18.6	3.6	2.8	0.82	15.00	8.90	11.00
03/18/92	09:40	6.2	3.7	1.1	2.60	2.50	1.60	1.00
03/18/92	09:50	5.7	3.4	1.1	2.30	2.30	1.80	2.20
03/18/92	09:55	5.9	3.6	1.2	2.40	2.30	2.10	2.40
03/18/92	10:00	5.4	3.2	1.1	2.10	2.20	2.00	0.89
03/18/92	10:15	5.0	3.0	0.5	2.50	2.00	1.90	0.88
03/18/92	10:20	4.8	2.8	0.5	2.30	2.00	1.30	0.84
03/18/92	10:25	5.2	3.4	1.0	2.40	1.80	1.60	0.83
03/18/92	10:30	4.8	2.8	0.7	2.10	2.00	1.30	0.80
03/18/92	10:35	2.4	1.5	1.4	0.14	0.86	0.54	0.16
03/18/92	12:00	4.2	2.4	0.9	1.50	1.80	1.00	0.66
03/18/92	12:05	4.4	2.6	1.2	1.40	1.80	1.10	0.66
03/18/92	12:10	3.9	2.3	0.9	1.40	1.60	1.00	0.64
03/18/92	12:15	3.9	2.3	0.9	1.40	1.60	0.97	0.62
03/18/92	12:20	3.9	2.3	0.9	1.40	1.60	1.00	0.61
03/18/92	12:25	3.8	2.2	0.9	1.30	1.60	0.94	0.60
03/18/92	12:35	3.7	2.1	0.8	1.30	1.60	0.91	0.59
03/18/92	12:50	4.1	2.3	0.9	1.40	1.80	0.97	0.59
03/18/92	13:55	3.9	2.2	0.9	1.30	1.70	0.90	0.55
03/18/92	14:10	3.9	2.2	0.9	1.30	1.70	0.92	0.54
03/18/92	14:15	3.8	2.1	0.8	1.30	1.70	0.89	0.55

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
03/18/92	14:20	4.0	2.3	1.0	1.30	1.70	0.91	0.55
03/18/92	14:25	4.0	2.3	1.0	1.30	1.70	0.92	0.54
03/18/92	14:35	3.8	2.2	0.9	1.30	1.60	0.86	0.52
03/18/92	14:40	4.1	2.3	1.0	1.30	1.80	0.83	0.33
03/18/92	14:45	3.8	2.0	0.7	1.30	1.80	0.82	0.53
03/18/92	14:50	4.0	2.1	0.8	1.30	1.90	0.85	0.54
03/18/92	14:55	4.2	2.4	1.2	1.20	1.80	0.94	0.51
03/18/92	15:00	3.7	2.1	0.9	1.20	1.60	0.83	0.49
03/18/92	15:15	3.8	2.2	1.0	1.20	1.60	0.89	0.51
03/18/92	15:20	3.8	2.0	0.8	1.20	1.80	0.83	0.52
03/18/92	15:25	3.9	2.1	0.8	1.30	1.80	0.84	0.52
03/18/92	15:35	4.1	2.2	1.0	1.20	1.90	0.91	0.49
03/18/92	15:40	3.6	2.0	0.9	1.10	1.60	0.81	0.50
03/18/92	15:45	3.8	2.2	1.1	1.10	1.60	0.85	0.49
03/18/92	15:50	3.8	2.1	0.9	1.20	1.70	0.83	0.52
03/18/92	15:55	3.7	2.1	0.9	1.20	1.60	0.85	0.50
03/18/92	16:00	3.9	2.1	1.0	1.10	1.80	0.79	0.49
03/18/92	16:05	3.6	2.0	0.8	1.20	1.60	0.79	0.50
03/27/92	08:00	27.0	15.0	0.0	15.00	12.00	9.90	9.40
06/03/92	04:35	4.8	1.3	1.1	0.23	3.50	0.84	0.70
06/03/92	04:40	1.2	1.1	1.0	--	0.06	0.87	0.74
06/03/92	04:50	4.4	1.1	0.9	0.17	3.30	1.20	1.10
06/03/92	04:55	5.2	1.2	1.0	0.18	4.00	1.60	1.50
06/03/92	05:05	4.9	0.9	0.8	0.06	4.00	1.60	1.50
06/03/92	05:10	5.8	1.7	1.0	0.68	4.10	1.60	1.40
06/03/92	05:15	5.8	1.6	1.1	0.54	4.20	1.70	1.50
06/03/92	05:20	5.6	1.0	0.8	0.16	4.60	1.80	1.50
06/03/92	05:25	5.6	1.0	0.9	0.12	4.60	1.80	1.50
06/03/92	05:40	5.5	2.3	1.0	1.30	3.20	1.80	1.50
06/03/92	05:45	5.5	2.3	1.0	1.30	3.20	1.80	1.60
06/03/92	06:50	5.7	2.4	1.2	1.20	3.30	1.90	1.50
06/03/92	06:55	5.6	2.3	1.0	1.30	3.30	1.70	1.50
06/03/92	07:00	5.7	2.4	1.0	1.40	3.30	1.80	1.50
06/03/92	07:05	5.6	2.2	0.9	1.30	3.40	1.80	1.50
06/03/92	07:10	5.9	2.4	1.0	1.40	3.50	1.80	1.30
06/03/92	07:15	5.9	2.4	1.1	1.30	3.50	1.80	0.85
06/03/92	07:25	6.1	2.4	1.0	1.40	3.70	1.70	1.40
06/03/92	07:30	6.3	2.5	1.1	1.40	3.80	1.80	1.20
06/03/92	07:35	6.6	2.7	1.3	1.40	3.90	1.90	1.50
06/03/92	04:35	4.8	1.3	1.1	0.23	3.50	0.84	0.70
06/03/92	04:40	4.7	1.1	1.0	0.06	3.60	0.87	0.74
06/03/92	04:50	4.4	1.1	0.9	0.17	3.30	1.20	1.10
06/03/92	04:55	5.2	1.2	1.0	0.18	4.00	1.60	1.50
06/03/92	05:05	4.9	0.9	0.8	0.06	4.00	1.60	1.50
06/03/92	05:10	5.8	1.7	1.0	0.68	4.10	1.60	1.40
06/03/92	05:15	5.8	1.6	1.1	0.54	4.20	1.70	1.50
06/03/92	05:20	5.6	1.0	0.8	0.16	4.60	1.80	1.50
06/03/92	05:25	5.6	1.0	0.9	0.12	4.60	1.80	1.50
06/03/92	06:40	5.5	2.3	1.0	1.30	3.20	1.80	1.50
06/03/92	06:45	5.5	2.3	1.0	1.30	3.20	1.80	1.60
06/03/92	06:50	5.7	2.4	1.2	1.20	3.30	1.90	1.50
06/03/92	06:55	5.6	2.3	1.0	1.30	3.30	1.70	1.50
06/03/92	07:00	5.7	2.4	1.0	1.40	3.30	1.80	1.50
06/03/92	07:05	5.6	2.2	0.9	1.30	3.40	1.80	1.50
06/03/92	07:10	4.2	2.4	1.0	1.40	3.50	1.80	1.30

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
06/03/92	07:15	4.2	2.4	1.1	1.30	3.50	1.80	0.85
06/03/92	07:25	4.1	2.4	1.0	1.40	3.70	1.70	1.40
06/03/92	07:30	4.3	2.5	1.1	1.40	3.80	1.80	1.20
06/03/92	07:35	4.6	2.7	1.3	1.40	3.90	1.90	1.50
06/26/92	01:20	5.5	3.0	1.6	1.40	2.50	3.40	1.60
06/26/92	01:25	6.9	4.1	1.7	2.40	2.80	3.70	2.70
06/26/92	01:30	7.6	4.7	1.6	3.10	2.90	5.90	4.10
06/26/92	01:35	7.9	5.0	1.7	3.30	2.90	6.10	4.60
06/26/92	01:40	7.9	5.1	1.7	3.40	2.80	6.80	4.80
06/26/92	01:45	7.9	5.0	1.6	3.40	2.90	6.90	4.50
06/26/92	01:55	7.8	4.8	4.1	0.66	3.00	6.20	0.93
06/26/92	02:00	6.0	4.5	4.4	0.09	1.50	5.80	0.07
06/26/92	02:05	7.4	4.3	2.0	2.30	3.10	5.20	4.00
06/26/92	02:10	6.9	3.7	1.5	2.20	3.20	5.40	3.50
06/26/92	02:15	7.1	3.8	1.6	2.20	3.30	5.80	3.50
06/26/92	02:25	3.4	2.3	1.9	0.36	1.10	1.90	0.41
06/26/92	03:30	3.0	1.9	1.6	0.32	1.10	3.60	0.36
06/26/92	03:35	3.6	2.6	2.2	0.35	0.99	2.00	0.38
06/26/92	03:40	3.1	2.0	1.7	0.27	1.10	1.70	0.37
06/26/92	03:45	3.1	2.1	1.8	0.29	0.97	1.50	0.31
06/26/92	03:50	2.8	1.8	1.5	0.28	1.00	1.50	0.39
06/26/92	03:55	2.6	1.6	1.3	0.25	1.00	1.30	0.39
06/26/92	04:00	2.5	1.5	1.2	0.26	1.00	1.30	0.36
06/26/92	04:05	4.2	2.5	1.6	0.92	1.70	3.80	1.30
06/26/92	04:10	3.6	2.2	1.6	0.63	1.40	3.30	1.00
06/26/92	04:15	4.0	2.8	2.3	0.51	1.20	5.10	0.70
06/26/92	04:20	4.5	3.2	2.8	0.42	1.30	2.00	0.50
06/26/92	04:30	2.7	1.7	1.4	0.27	1.00	1.40	0.45
06/26/92	04:35	2.9	1.8	1.5	0.26	1.10	1.60	0.48
06/26/92	04:40	2.9	1.8	1.5	0.26	1.10	1.90	0.49
06/26/92	04:45	3.1	2.0	1.7	0.26	1.10	1.70	0.50
06/26/92	04:50	2.7	1.6	1.3	0.29	1.10	1.40	0.55
06/26/92	04:55	3.1	2.0	1.7	0.28	1.10	1.70	0.55
06/26/92	05:05	4.0	2.9	2.6	0.28	1.10	2.90	0.60
06/26/92	05:10	3.1	2.0	1.7	0.31	1.10	1.70	0.64
06/26/92	05:20	3.3	2.1	1.8	0.30	1.20	1.60	0.68
06/26/92	05:25	4.0	2.9	2.6	0.30	1.10	2.30	0.67
06/26/92	05:30	3.3	2.2	1.9	0.31	1.10	2.00	0.68
06/26/92	05:35	2.9	1.7	1.4	0.31	1.20	1.40	0.71
06/26/92	05:40	2.9	1.8	1.5	0.31	1.10	1.50	0.71
06/26/92	05:45	2.8	1.7	1.4	0.30	1.10	1.50	0.69
06/26/92	05:50	3.0	1.9	1.6	0.27	1.10	1.60	0.69
06/26/92	05:55	2.8	1.7	1.4	0.29	1.10	1.30	0.71
06/26/92	06:00	3.3	2.2	1.9	0.29	1.10	1.80	0.72
06/26/92	06:05	2.7	1.6	1.3	0.29	1.10	1.40	0.73
06/26/92	06:10	3.1	2.1	1.8	0.31	1.00	1.70	0.72
06/26/92	06:15	2.9	1.9	1.6	0.25	0.98	1.50	0.69
06/26/92	06:20	3.6	2.5	2.2	0.30	1.10	2.00	0.74
06/26/92	06:25	2.8	1.7	1.4	0.29	1.10	1.40	0.75
06/26/92	06:30	3.1	2.0	1.7	0.27	1.10	1.60	0.74
06/26/92	06:35	3.6	2.6	2.3	0.26	1.00	2.20	0.74
06/26/92	06:40	4.3	3.3	3.0	0.25	1.00	2.80	0.73
06/26/92	06:45	3.1	2.1	1.8	0.25	1.00	1.80	0.74
06/26/92	06:50	4.7	3.7	3.5	0.23	1.00	2.50	0.75
06/26/92	06:55	3.1	2.1	1.8	0.26	1.00	2.50	0.77
06/26/92	07:00	3.0	2.0	1.8	0.24	1.00	1.70	0.74

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
06/26/92	07:05	3.2	2.2	1.9	0.25	1.00	1.90	0.78
06/26/92	07:10	3.1	2.1	1.9	0.24	0.99	1.70	0.76
06/26/92	07:15	4.0	3.0	2.7	0.25	0.97	2.10	0.76
06/26/92	07:20	3.0	2.0	1.8	0.23	1.00	1.70	0.75
06/26/92	07:25	3.8	2.9	2.7	0.22	0.87	2.20	0.72
06/26/92	07:30	2.3	1.3	1.1	0.17	0.97	1.20	0.72
06/26/92	07:35	3.4	2.4	2.2	0.17	0.97	1.90	0.71
06/26/92	07:40	2.5	1.5	1.3	0.16	0.98	1.50	0.73
06/26/92	07:50	3.6	2.6	2.4	0.16	0.95	1.90	0.73
06/26/92	07:55	2.5	1.6	1.4	0.16	0.94	1.30	0.74
06/26/92	08:00	3.0	2.1	1.9	0.15	0.92	1.50	0.71
06/26/92	08:05	2.4	1.4	1.2	0.19	1.00	1.20	0.76
06/26/92	08:10	3.4	2.4	2.2	0.17	0.97	1.80	0.75
06/26/92	08:15	2.3	1.4	1.3	0.12	0.89	1.30	0.70
06/26/92	08:20	2.9	2.0	1.9	0.14	0.93	1.40	0.72
06/26/92	08:25	2.9	1.9	1.8	0.11	0.99	1.60	0.74
11/12/92	06:45	2.3	1.8	1.6	0.22	0.45	1.90	0.60
11/12/92	06:55	2.5	1.9	1.6	0.27	0.59	1.50	0.93
11/12/92	07:00	4.2	2.8	2.3	0.50	1.40	3.20	2.00
11/12/92	07:05	3.5	2.1	1.6	0.52	1.40	3.40	2.10
11/12/92	07:10	4.2	2.7	2.2	0.51	1.50	3.10	2.10
11/12/92	07:15	5.0	3.6	3.1	0.48	1.40	3.10	2.30
11/12/92	07:20	2.4	1.9	1.8	0.09	0.48	1.30	0.95
11/12/92	07:25	3.3	2.0	1.6	0.42	1.30	3.00	2.20
11/12/92	07:30	4.1	2.7	2.3	0.40	1.40	2.80	2.20
11/12/92	07:35	3.6	2.2	1.8	0.37	1.40	2.80	2.10
11/12/92	07:40	3.3	2.3	2.0	0.34	1.00	2.40	1.90
11/12/92	07:45	3.3	2.0	1.6	0.38	1.30	2.80	2.00
11/12/92	07:55	3.7	2.5	2.1	0.44	1.20	2.60	2.00
11/12/92	08:05	3.1	2.1	1.8	0.33	1.00	2.20	1.90
11/12/92	08:10	2.8	1.8	1.5	0.31	0.97	2.40	1.70
11/12/92	08:15	3.1	2.2	1.9	0.29	0.93	2.10	1.50
11/12/92	08:20	3.3	2.4	2.1	0.25	0.86	2.10	1.50
11/12/92	08:25	3.0	2.2	2.0	0.22	0.81	1.90	1.40
11/12/92	08:30	2.8	2.1	1.9	0.19	0.73	1.70	1.40
11/12/92	08:35	1.6	1.2	1.1	0.12	0.43	1.20	0.88
11/12/92	08:40	2.5	1.8	1.7	0.13	0.65	1.60	1.20
11/12/92	08:50	2.1	1.7	1.6	0.10	0.35	1.10	0.76
11/12/92	08:55	2.2	1.7	1.5	0.15	0.52	1.40	1.10
11/12/92	09:00	2.3	1.8	1.7	0.13	0.49	1.40	1.10
11/12/92	09:05	1.5	1.2	1.1	0.10	0.25	0.87	0.58
11/12/92	09:10	1.5	1.3	1.2	0.09	0.23	0.87	0.55
11/12/92	09:15	1.7	1.4	1.3	0.09	0.30	0.96	0.66
11/12/92	09:20	1.8	1.4	1.3	0.09	0.40	1.20	0.96
11/12/92	09:30	1.6	1.2	1.1	0.12	0.42	1.10	0.95
11/12/92	09:35	1.7	1.3	1.2	0.09	0.41	1.10	0.90
11/12/92	09:40	2.1	1.7	1.6	0.10	0.41	1.20	0.94
11/12/92	09:45	1.3	1.2	1.1	0.06	0.13	0.54	0.33
11/12/92	09:50	1.6	1.2	1.1	0.09	0.40	1.10	0.88
11/12/92	09:55	2.0	1.6	1.5	0.08	0.38	1.00	0.87
11/12/92	10:00	1.9	1.5	1.4	0.08	0.37	1.00	0.85
11/12/92	10:05	1.7	1.3	1.2	0.08	0.39	1.00	0.85
11/12/92	10:10	1.5	1.2	1.1	0.08	0.32	0.86	0.66
11/12/92	10:15	1.3	1.1	1.1	0.04	0.17	0.56	0.33
11/12/92	10:20	0.9	0.7	0.7	0.05	0.16	0.50	0.37
11/12/92	10:25	1.6	1.3	1.2	0.06	0.31	0.92	0.66

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/12/92	10:30	1.8	1.4	1.3	0.05	0.38	1.00	0.81
11/12/92	10:35	1.4	1.1	1.0	0.05	0.27	0.69	0.56
11/12/92	10:40	1.6	1.3	1.2	0.06	0.31	0.80	0.61
11/12/92	11:05	2.0	1.6	1.5	0.05	0.39	0.99	0.81
11/12/92	11:10	1.8	1.4	1.3	0.05	0.41	0.98	0.82
11/12/92	11:15	1.9	1.5	1.5	0.04	0.41	0.94	0.80
11/12/92	11:20	1.9	1.5	1.4	0.06	0.44	0.97	0.83
11/12/92	11:25	2.0	1.5	1.5	0.04	0.45	1.00	0.85
11/12/92	11:30	1.3	0.9	0.9	0.05	0.44	0.94	0.84
11/12/92	11:35	1.8	1.4	1.4	0.04	0.45	0.97	0.84
11/12/92	11:40	2.1	1.6	1.5	0.05	0.46	1.00	0.83
11/12/92	11:45	2.0	1.5	1.4	0.07	0.47	0.99	0.82
11/12/92	11:50	1.9	1.4	1.3	0.05	0.46	0.95	0.82
11/12/92	11:55	2.1	1.6	1.6	0.04	0.45	0.99	0.82
11/12/92	12:00	1.8	1.3	1.3	0.04	0.45	0.95	0.79
11/12/92	12:05	1.8	1.3	1.3	0.04	0.46	0.93	0.80
11/12/92	12:10	2.3	1.8	1.7	0.05	0.45	0.96	0.80
11/12/92	12:15	2.0	1.5	1.4	0.05	0.45	0.90	0.79
11/12/92	12:20	2.0	1.6	1.5	0.05	0.43	0.92	0.77
11/12/92	12:25	2.0	1.5	1.4	0.06	0.46	0.93	0.78
11/12/92	12:30	2.0	1.5	1.4	0.06	0.45	0.85	0.77
11/12/92	12:35	2.0	1.5	1.4	0.06	0.46	0.89	0.77
11/12/92	12:40	2.0	1.6	1.5	0.06	0.44	0.91	0.75
11/12/92	12:50	1.9	1.5	1.4	0.06	0.43	0.85	0.73
11/12/92	12:55	1.8	1.4	1.3	0.06	0.44	0.84	0.74
11/12/92	13:05	1.9	1.4	1.4	0.04	0.47	0.87	0.67
11/12/92	13:10	1.8	1.4	1.4	0.03	0.43	0.83	0.66
11/12/92	13:15	1.6	1.1	1.1	0.04	0.46	0.78	0.62
11/12/92	13:20	1.5	1.1	1.1	0.03	0.44	0.79	0.65
11/12/92	13:25	1.7	1.3	1.3	0.04	0.43	0.80	0.68
11/12/92	13:30	1.0	0.7	0.6	0.09	0.26	0.47	0.34
11/12/92	13:35	1.9	1.5	1.4	0.05	0.42	0.78	0.64
11/12/92	13:40	1.6	1.2	1.1	0.05	0.42	0.77	0.66
11/12/92	13:45	1.8	1.4	1.3	0.05	0.41	0.74	0.65
11/12/92	13:50	1.7	1.3	1.2	0.05	0.39	0.77	0.65
11/12/92	13:55	1.9	1.4	1.3	0.09	0.46	0.77	0.67
11/12/92	14:00	1.7	1.3	1.2	0.05	0.40	0.77	0.66
11/12/92	14:05	1.5	1.1	1.0	0.05	0.43	0.82	0.69
11/12/92	14:10	1.8	1.4	1.3	0.07	0.41	0.75	0.64
11/12/92	14:20	1.8	1.4	1.3	0.05	0.40	0.76	0.63
11/12/92	14:25	1.8	1.4	1.3	0.06	0.40	0.74	0.63
11/12/92	14:30	1.7	1.3	1.3	0.04	0.39	0.74	0.62
11/12/92	14:35	1.7	1.3	1.2	0.05	0.39	0.72	0.61
11/12/92	14:40	1.8	1.4	1.3	0.05	0.40	0.76	0.62
11/20/92	18:35	5.0	3.3	2.7	0.58	1.70	3.90	1.80
11/20/92	18:45	4.4	2.5	1.9	0.62	1.90	3.50	1.00
11/20/92	18:50	4.8	3.3	2.7	0.57	1.50	3.60	1.90
11/20/92	18:55	5.4	3.8	3.1	0.70	1.60	3.20	2.00
11/20/92	19:00	4.5	2.9	2.3	0.61	1.60	3.20	2.00
11/20/92	19:05	5.1	3.5	2.9	0.60	1.60	3.20	2.00
11/20/92	19:10	4.4	2.8	2.3	0.54	1.60	3.10	1.90
11/20/92	19:15	4.8	3.3	2.7	0.55	1.50	3.00	2.00
11/20/92	19:20	4.2	2.7	2.1	0.59	1.50	3.20	1.90
11/20/92	19:25	4.6	3.1	2.6	0.54	1.50	3.20	1.90
11/20/92	19:30	4.4	3.0	2.5	0.54	1.40	2.70	1.90
11/20/92	19:35	3.9	2.5	2.0	0.54	1.40	2.90	1.90

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/20/92	19:40	4.1	2.8	2.3	0.49	1.30	3.00	1.90
11/20/92	19:45	3.9	2.6	2.1	0.49	1.30	2.80	1.80
11/20/92	19:50	3.7	2.4	1.9	0.46	1.30	2.80	1.80
11/20/92	19:55	4.0	2.7	2.3	0.43	1.30	2.70	1.80
11/20/92	20:00	3.3	2.1	1.6	0.46	1.20	2.70	1.70
11/20/92	20:05	3.0	1.8	1.4	0.42	1.20	2.50	1.60
11/20/92	20:10	3.3	2.2	1.8	0.37	1.10	2.30	1.40
11/20/92	20:15	3.1	2.1	1.8	0.34	1.00	1.80	1.30
11/20/92	20:20	4.0	3.0	2.7	0.33	1.00	2.20	1.30
11/20/92	20:25	3.0	2.0	1.7	0.26	0.98	1.80	1.20
11/20/92	20:30	2.6	1.6	1.4	0.22	0.97	1.70	1.20
11/20/92	21:20	3.0	2.3	2.3	0.02	0.70	1.60	0.96
11/20/92	21:25	2.4	1.9	1.9	0.04	0.51	1.40	0.94
11/20/92	21:30	2.1	1.6	1.6	0.04	0.50	1.20	0.94
11/20/92	21:35	2.1	1.6	1.6	0.04	0.45	1.20	0.87
11/20/92	21:40	2.6	2.1	2.1	0.03	0.52	1.30	0.89
11/20/92	21:50	2.9	2.4	2.4	0.04	0.47	1.30	0.89
11/20/92	21:55	2.4	2.1	2.1	0.04	0.34	1.20	0.80
11/20/92	22:00	2.8	2.6	2.6	0.04	0.20	1.30	0.74
11/20/92	22:05	3.0	2.7	2.7	0.02	0.25	1.40	0.75
11/20/92	22:10	2.6	2.4	2.4	0.04	0.16	1.20	0.71
11/20/92	22:15	1.8	1.7	1.7	0.04	0.15	1.10	0.70
11/20/92	22:20	2.2	1.9	1.9	0.03	0.28	1.30	0.70
11/20/92	22:25	3.0	2.7	2.7	0.03	0.32	1.20	0.73
11/20/92	22:30	2.8	2.5	2.5	0.04	0.33	1.20	0.71
11/20/92	22:35	3.0	2.8	2.8	0.04	0.20	1.20	0.65
11/20/92	22:40	2.6	2.2	2.2	0.04	0.35	1.10	0.68
11/20/92	22:45	3.0	2.6	2.6	0.04	0.38	1.20	0.69
11/20/92	22:50	2.9	2.7	2.7	0.04	0.17	1.20	0.64
11/20/92	22:55	2.6	2.3	2.3	0.03	0.30	1.10	0.70
11/20/92	23:00	2.7	2.4	2.4	0.04	0.29	1.00	0.65
11/20/92	23:05	2.8	2.4	2.4	0.04	0.38	1.20	0.69
11/20/92	23:10	2.7	2.3	2.3	0.04	0.39	0.98	0.68
11/20/92	23:15	2.8	2.5	2.5	0.03	0.28	1.10	0.65
11/20/92	23:35	2.4	2.2	2.2	0.03	0.20	0.97	0.62
11/20/92	23:40	2.6	2.3	2.3	0.03	0.33	1.00	0.59
11/20/92	23:45	2.8	2.6	2.6	0.04	0.16	0.99	0.57
11/20/92	23:50	2.1	1.9	1.9	0.04	0.24	1.00	0.58
11/20/92	23:55	1.9	1.8	1.8	0.04	0.10	1.00	0.53
11/20/92	24:00	2.8	2.7	2.7	0.02	0.12	1.10	0.56
11/21/92	00:05	2.4	2.3	2.3	0.04	0.14	0.88	0.55
11/21/92	00:10	2.8	2.7	2.7	0.02	0.14	1.00	0.57
11/21/92	00:15	2.3	2.2	2.2	0.03	0.07	0.89	0.54
11/21/92	00:20	1.9	1.8	1.8	0.03	0.09	0.97	0.55
11/21/92	00:25	2.8	2.7	2.7	0.03	0.08	1.00	0.52
11/21/92	00:30	1.8	1.7	1.7	0.02	0.07	0.88	0.53
11/21/92	00:35	2.9	2.8	2.8	0.04	0.06	1.00	0.47
11/21/92	00:40	2.9	2.8	2.8	0.02	0.07	1.10	0.53
11/21/92	00:45	2.5	2.5	2.5	0.04	0.10	1.10	0.49
11/21/92	00:50	2.3	2.2	2.2	0.03	0.09	1.00	0.52
11/21/92	00:55	2.3	2.2	2.2	0.03	0.10	0.88	0.51
11/21/92	01:00	2.5	2.4	2.4	0.03	0.09	0.89	0.49
11/21/92	01:05	2.3	2.3	2.3	0.02	0.05	0.91	0.48
11/21/92	01:10	2.9	2.6	2.6	0.03	0.26	0.94	0.49
11/21/92	01:15	2.2	2.1	2.1	0.03	0.06	0.90	0.49
11/22/92	00:25	5.4	4.5	4.3	0.20	0.88	3.50	0.61

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/22/92	00:30	5.4	4.4	4.1	0.30	1.00	4.40	0.87
11/22/92	00:35	3.2	2.2	1.8	0.38	1.00	1.80	1.10
11/22/92	00:40	3.4	2.4	2.1	0.35	0.98	1.90	1.10
11/22/92	00:45	3.5	2.6	2.3	0.32	0.94	3.30	1.10
11/22/92	00:50	4.3	3.4	3.1	0.29	0.90	3.30	1.10
11/22/92	00:55	2.6	1.8	1.5	0.31	0.84	3.30	1.20
11/22/92	01:00	3.6	2.8	2.5	0.27	0.77	3.10	1.10
11/22/92	01:05	3.8	3.0	2.7	0.26	0.76	2.80	1.10
11/22/92	01:10	2.5	1.8	1.6	0.24	0.69	1.60	1.10
11/22/92	01:15	3.4	2.7	2.5	0.22	0.65	2.40	1.00
11/22/92	01:20	2.0	1.4	1.2	0.23	0.63	1.40	1.10
11/22/92	01:25	2.1	1.5	1.3	0.22	0.63	1.50	1.00
11/22/92	01:30	2.8	2.2	2.0	0.20	0.55	1.40	0.98
11/22/92	01:35	2.5	2.0	1.8	0.21	0.52	1.90	0.99
11/22/92	01:40	2.9	2.3	2.1	0.21	0.55	1.80	0.98
11/22/92	01:45	2.7	2.2	2.0	0.21	0.49	1.60	1.00
11/22/92	01:50	2.3	1.8	1.6	0.17	0.47	1.50	0.97
11/22/92	01:55	2.6	2.2	2.0	0.16	0.44	1.50	0.93
11/22/92	02:00	2.1	1.7	1.6	0.12	0.43	1.30	0.92
11/22/92	02:05	2.2	1.8	1.7	0.11	0.42	1.50	0.91
11/22/92	02:10	2.2	1.8	1.7	0.07	0.38	1.30	0.79
11/22/92	02:15	1.7	1.3	1.2	0.07	0.40	1.30	0.80
11/22/92	02:25	2.2	1.8	1.8	0.05	0.38	1.30	0.79
11/22/92	02:30	2.3	1.9	1.9	0.04	0.39	1.30	0.76
11/22/92	02:35	1.9	1.5	1.5	0.05	0.36	1.40	0.74
11/22/92	02:40	1.9	1.5	1.4	0.06	0.41	1.20	0.78
11/22/92	02:45	2.2	1.8	1.8	0.04	0.36	1.30	0.71
11/22/92	02:50	2.0	1.6	1.6	0.04	0.36	1.20	0.70
11/22/92	02:55	1.4	1.0	1.0	0.04	0.37	1.00	0.70
11/22/92	03:00	1.7	1.3	1.3	0.04	0.38	1.20	0.71
11/22/92	03:05	1.7	1.3	1.3	0.03	0.37	1.10	0.70
11/22/92	03:10	1.8	1.4	1.4	0.04	0.37	1.10	0.71
11/22/92	03:15	1.6	1.2	1.2	0.03	0.38	1.00	0.72
11/22/92	03:20	1.5	1.1	1.1	0.03	0.36	1.00	0.70
11/22/92	03:25	2.2	1.8	1.8	0.05	0.37	1.30	0.75
11/22/92	03:30	1.8	1.5	1.5	0.05	0.33	1.10	0.67
11/22/92	03:35	1.5	1.1	1.1	0.05	0.40	0.99	0.78
11/22/92	03:40	1.8	1.4	1.3	0.05	0.37	1.10	0.76
11/22/92	03:45	1.8	1.4	1.3	0.06	0.38	1.10	0.76
11/22/92	03:50	1.9	1.5	1.5	0.05	0.35	1.20	0.76
11/22/92	03:55	1.7	1.4	1.3	0.06	0.34	1.10	0.75
11/22/92	04:00	1.7	1.3	1.3	0.05	0.37	1.00	0.80
11/22/92	04:05	1.5	1.2	1.1	0.08	0.32	1.20	0.88
11/22/92	04:10	3.0	2.6	2.6	0.05	0.37	1.20	0.82
11/22/92	04:15	1.5	1.1	1.1	0.05	0.35	1.10	0.78
11/22/92	04:20	1.5	1.1	1.1	0.04	0.43	0.92	0.81
11/22/92	05:25	1.6	1.2	1.2	0.03	0.42	0.99	0.81
11/22/92	05:30	1.9	1.4	1.4	0.03	0.47	1.10	0.83
11/22/92	05:35	1.7	1.2	1.2	0.04	0.49	1.00	0.88
11/22/92	05:40	1.4	0.9	0.9	0.03	0.48	0.93	0.85
11/22/92	05:45	1.6	1.0	1.0	0.03	0.55	1.10	0.95
11/22/92	05:50	1.6	1.1	1.1	0.02	0.45	1.10	0.85
11/22/92	05:55	2.0	1.5	1.5	0.03	0.46	1.10	0.91
11/22/92	06:00	1.7	1.3	1.3	0.03	0.44	0.98	0.88
11/22/92	06:05	1.6	1.1	1.1	0.02	0.46	1.00	0.88
11/22/92	06:10	1.8	1.3	1.3	0.04	0.48	1.00	0.83
11/22/92	06:15	1.8	1.3	1.3	0.04	0.51	1.10	0.95

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
11/22/92	06:20	1.8	1.3	1.3	0.03	0.46	1.10	0.87
11/22/92	06:25	1.6	1.1	1.1	0.03	0.49	1.20	0.97
11/22/92	06:30	1.5	1.0	1.0	0.03	0.51	1.20	0.96
11/22/92	06:35	1.6	1.1	1.1	0.03	0.48	1.10	0.93
11/22/92	06:40	1.7	1.2	1.2	0.03	0.49	1.10	0.98
11/22/92	06:45	1.6	1.1	1.1	0.03	0.51	1.10	1.00
11/22/92	06:50	1.8	1.3	1.3	0.03	0.46	1.10	0.95
11/22/92	06:55	1.8	1.3	1.3	0.03	0.52	1.20	1.00
11/22/92	07:00	1.7	1.2	1.2	0.03	0.49	1.20	0.99
11/22/92	07:05	1.7	1.2	1.2	0.02	0.49	1.10	0.94
11/22/92	07:10	1.5	1.0	1.0	0.02	0.50	1.10	1.00
11/22/92	07:15	1.8	1.3	1.3	0.03	0.53	1.10	0.98
11/22/92	07:20	1.8	1.3	1.3	0.02	0.47	1.20	0.94
12/09/92	13:55	5.0	4.0	3.8	0.18	1.00	3.50	0.99
12/09/92	14:00	3.1	2.1	1.9	0.18	1.00	1.90	1.00
12/09/92	14:05	2.7	1.7	1.5	0.17	0.98	1.70	1.00
12/09/92	14:10	3.4	2.4	2.2	0.17	0.96	4.60	1.10
12/09/92	14:15	3.1	2.7	2.6	0.10	0.37	4.20	0.67
12/09/92	14:20	2.7	1.7	1.5	0.18	0.98	4.80	1.10
12/09/92	14:25	3.4	2.5	2.3	0.16	0.91	4.50	1.10
12/09/92	14:30	4.0	3.0	2.8	0.17	0.99	4.60	1.00
12/09/92	14:35	3.1	1.9	1.7	0.19	1.20	3.50	0.97
12/09/92	14:40	3.1	1.9	1.7	0.17	1.20	4.10	0.99
12/09/92	14:45	4.2	3.0	2.8	0.17	1.20	3.50	0.99
12/09/92	14:50	3.6	2.5	2.3	0.16	1.10	3.10	0.98
12/09/92	14:55	4.2	3.1	2.9	0.17	1.10	3.20	0.97
12/09/92	15:00	3.8	2.8	2.7	0.15	1.00	3.10	0.94
12/09/92	15:05	4.3	3.3	3.2	0.15	0.99	3.10	0.96
12/09/92	15:10	3.5	2.5	2.4	0.15	0.96	3.20	0.96
12/09/92	15:15	2.8	1.9	1.8	0.14	0.91	3.00	0.96
12/09/92	15:20	2.9	2.0	1.9	0.13	0.89	2.80	0.93
12/09/92	15:25	3.1	2.2	2.1	0.13	0.88	3.10	0.87
12/09/92	15:30	3.2	2.3	2.2	0.13	0.88	2.60	0.89
12/09/92	15:35	2.5	2.1	2.0	0.08	0.40	2.30	0.51
12/09/92	15:40	3.6	2.7	2.6	0.14	0.88	2.60	0.88
12/09/92	15:45	3.3	2.4	2.3	0.15	0.93	2.60	0.84
12/09/92	15:50	3.2	2.2	2.0	0.16	0.96	2.60	0.83
12/09/92	16:05	3.3	2.4	2.3	0.15	0.86	1.70	0.77
12/09/92	16:10	3.4	2.5	2.4	0.14	0.85	2.30	0.76
12/09/92	16:15	2.9	2.2	2.1	0.08	0.71	1.70	0.72
12/09/92	16:20	3.4	2.5	2.4	0.13	0.85	1.90	0.76
12/09/92	16:25	3.6	2.7	2.6	0.14	0.87	1.90	0.77
12/09/92	16:30	2.7	1.9	1.8	0.10	0.80	1.30	0.74
12/09/92	16:40	2.5	2.0	1.9	0.08	0.52	1.80	0.54
12/09/92	16:45	3.5	2.8	2.7	0.07	0.71	1.70	0.73
12/09/92	16:50	2.7	2.0	1.9	0.07	0.70	1.70	0.74
12/09/92	16:55	2.9	2.2	2.1	0.06	0.67	1.60	0.72
12/09/92	17:00	3.2	2.5	2.4	0.08	0.67	1.60	0.72
12/09/92	17:05	3.5	2.8	2.8	0.05	0.67	1.70	0.71
12/09/92	17:10	3.2	2.4	2.3	0.11	0.82	1.70	0.75
12/09/92	17:15	2.5	2.1	2.1	0.03	0.35	1.40	0.44
12/09/92	17:20	2.9	2.2	2.2	0.04	0.67	1.70	0.70
12/09/92	17:25	2.2	1.8	1.8	0.02	0.37	1.20	0.42
12/09/92	17:30	3.4	2.7	2.7	0.03	0.67	1.70	0.71
12/09/92	17:35	2.8	2.1	2.1	0.03	0.68	1.70	0.71
12/09/92	17:40	3.4	2.7	2.7	0.02	0.67	1.70	0.70

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
12/09/92	17:45	2.4	1.7	1.7	0.02	0.68	1.40	0.71
12/09/92	17:50	2.8	2.1	2.1	0.03	0.67	1.60	0.71
12/09/92	17:55	3.1	2.4	2.4	0.04	0.68	1.60	0.74
12/09/92	18:00	3.4	2.7	2.7	0.02	0.65	1.70	0.67
12/09/92	18:15	2.8	2.1	2.1	0.02	0.71	1.40	0.73
12/09/92	18:20	2.7	1.9	1.9	0.02	0.81	1.30	0.72
12/09/92	18:25	2.8	2.0	2.0	0.02	0.79	1.30	0.76
12/09/92	18:30	2.3	1.6	1.6	0.02	0.73	1.30	0.76
12/09/92	18:35	2.2	1.6	1.6	0.01	0.64	1.30	0.63
12/09/92	18:40	2.3	1.5	1.5	0.01	0.83	1.20	0.76
12/09/92	18:50	2.1	1.7	1.7	0.01	0.41	1.10	0.30
12/09/92	18:55	2.8	2.2	2.2	0.03	0.56	1.50	0.40
12/09/92	19:00	2.4	1.6	1.6	0.02	0.78	1.30	0.77
12/09/92	19:05	2.5	1.6	1.6	0.01	0.89	1.40	0.77
12/09/92	19:10	2.4	1.6	1.6	0.02	0.83	1.40	0.78
12/09/92	19:15	2.7	1.8	1.8	0.03	0.90	1.30	0.75
12/09/92	19:20	2.4	1.5	1.5	0.02	0.91	1.30	0.76
12/09/92	19:25	2.4	1.5	1.5	0.02	0.87	1.40	0.75
12/09/92	19:30	2.4	1.5	1.5	0.02	0.85	1.40	0.78
12/09/92	19:35	2.5	1.6	1.6	0.02	0.91	1.40	0.77
12/09/92	19:40	2.9	2.0	2.0	0.02	0.88	1.40	0.77
12/09/92	19:45	2.3	1.5	1.5	0.02	0.77	1.30	0.77
12/09/92	19:50	2.3	1.5	1.5	0.02	0.75	1.40	0.78
12/09/92	19:55	2.3	1.7	1.7	0.01	0.59	1.50	0.53
12/09/92	20:00	2.4	1.5	1.5	0.02	0.89	1.30	0.75
12/09/92	20:05	2.6	1.8	1.8	0.02	0.79	1.60	0.80
12/09/92	20:10	2.4	1.7	1.7	0.02	0.68	1.50	0.67
12/09/92	20:30	2.5	1.8	1.8	0.05	0.73	1.30	0.74
12/09/92	20:35	2.6	1.8	1.8	0.05	0.79	1.30	0.70
12/09/92	20:40	2.6	1.8	1.7	0.06	0.79	1.30	0.74
12/09/92	20:45	3.2	2.4	2.3	0.06	0.77	1.40	0.75
12/09/92	21:20	3.1	2.3	2.3	0.05	0.79	1.30	0.71
12/09/92	21:25	2.6	1.8	1.7	0.07	0.78	1.30	0.75
12/09/92	21:30	3.3	2.5	2.4	0.08	0.75	1.30	0.71
12/09/92	21:35	2.9	2.1	2.1	0.05	0.78	1.30	0.73
12/09/92	21:40	2.8	2.1	2.0	0.06	0.74	1.20	0.70
12/09/92	21:45	2.3	1.5	1.4	0.06	0.77	1.10	0.69
12/09/92	21:50	2.3	1.5	1.5	0.04	0.78	1.10	0.72
12/09/92	21:55	2.5	1.7	1.7	0.03	0.80	1.20	0.70
12/09/92	22:00	2.4	1.6	1.5	0.07	0.75	1.20	0.71
12/09/92	22:05	2.4	1.7	1.6	0.06	0.72	1.10	0.71
12/09/92	22:10	3.0	2.0	1.9	0.08	1.00	1.10	0.69
12/09/92	22:15	2.9	2.1	2.0	0.06	0.79	1.20	0.73
12/09/92	22:20	2.3	1.5	1.5	0.05	0.78	1.10	0.71
12/09/92	23:10	2.5	1.8	1.8	0.02	0.65	1.20	0.68
12/09/92	23:15	2.1	1.5	1.5	0.02	0.63	1.10	0.65
12/09/92	23:20	2.4	1.7	1.7	0.03	0.67	1.10	0.67
12/09/92	23:25	2.1	1.5	1.5	0.03	0.64	1.10	0.68
12/09/92	23:30	2.2	1.5	1.5	0.03	0.65	1.10	0.66
12/09/92	23:35	1.9	1.4	1.4	0.03	0.52	0.91	0.54
12/09/92	23:40	2.4	1.8	1.8	0.02	0.63	1.10	0.66
12/09/92	23:45	2.4	1.8	1.8	0.03	0.63	1.10	0.65
12/09/92	23:50	2.1	1.5	1.5	0.03	0.63	1.00	0.65
12/09/92	23:55	2.4	1.8	1.8	0.02	0.63	1.10	0.65
12/09/92	24:00	2.3	1.7	1.7	0.03	0.62	1.10	0.66
12/10/92	00:05	2.4	1.8	1.8	0.02	0.64	1.10	0.65
12/10/92	00:10	2.5	1.9	1.9	0.03	0.63	1.10	0.64

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
12/10/92	00:15	2.3	1.7	1.7	0.02	0.64	0.96	0.65
12/10/92	00:20	2.2	1.6	1.6	0.02	0.64	1.00	0.65
12/10/92	00:25	2.0	1.5	1.5	0.03	0.54	0.90	0.54
12/10/92	00:30	2.1	1.5	1.5	0.02	0.63	1.00	0.64
12/10/92	00:35	2.1	1.5	1.5	0.03	0.64	1.00	0.66
12/10/92	00:40	2.2	1.6	1.6	0.02	0.63	1.00	0.65
12/10/92	00:45	2.2	1.6	1.6	0.03	0.63	1.00	0.64
12/10/92	00:50	2.1	1.4	1.4	0.02	0.65	1.00	0.66
12/10/92	00:55	2.4	1.8	1.8	0.02	0.63	1.00	0.65
12/10/92	01:00	2.3	1.7	1.7	0.03	0.64	1.10	0.65
12/10/92	01:05	2.3	1.6	1.6	0.03	0.65	1.00	0.63
02/21/93	07:00	--	3.6	--	--	--	3.80	--
02/21/93	07:05	--	2.9	--	--	--	3.50	--
02/21/93	07:10	--	2.6	--	--	--	3.40	--
02/21/93	07:15	--	2.8	--	--	--	2.30	--
02/21/93	07:20	--	2.7	--	--	--	2.00	--
02/21/93	07:25	--	2.4	--	--	--	1.90	--
02/21/93	07:30	--	2.2	--	--	--	1.70	--
02/21/93	07:35	--	2.3	--	--	--	1.60	--
02/21/93	07:40	--	2.5	--	--	--	1.80	--
02/21/93	07:45	--	2.4	--	--	--	1.70	--
02/21/93	07:50	--	2.2	--	--	--	1.70	--
02/21/93	07:55	--	2.5	--	--	--	1.70	--
02/21/93	08:00	--	2.1	--	--	--	1.50	--
02/21/93	08:05	--	2.1	--	--	--	1.60	--
02/21/93	08:10	--	2.2	--	--	--	1.40	--
02/21/93	08:15	--	2.3	--	--	--	1.40	--
02/21/93	08:20	--	2.1	--	--	--	1.40	--
02/21/93	08:25	--	2.2	--	--	--	1.50	--
02/21/93	08:30	--	1.9	--	--	--	1.30	--
02/21/93	08:35	--	1.6	--	--	--	1.20	--
02/21/93	08:40	--	1.4	--	--	--	1.20	--
02/21/93	08:45	--	2.0	--	--	--	1.20	--
02/21/93	08:50	--	1.5	--	--	--	1.20	--
02/21/93	08:55	--	1.5	--	--	--	1.20	--
02/21/93	09:00	--	1.5	--	--	--	0.33	--
02/21/93	09:05	--	1.8	--	--	--	1.10	--
02/21/93	09:10	--	1.8	--	--	--	1.20	--
02/21/93	09:15	--	1.5	--	--	--	1.10	--
02/21/93	09:20	--	1.4	--	--	--	1.12	--
02/21/93	09:25	--	1.4	--	--	--	1.10	--
02/21/93	09:30	--	1.6	--	--	--	1.10	--
02/21/93	09:35	--	1.5	--	--	--	0.98	--
02/21/93	09:40	--	1.4	--	--	--	1.00	--
02/21/93	09:45	--	1.7	--	--	--	0.95	--
02/21/93	09:50	--	1.2	--	--	--	0.89	--
02/21/93	09:55	--	1.3	--	--	--	0.93	--
02/21/93	10:00	--	1.5	--	--	--	0.91	--
02/21/93	10:05	--	1.6	--	--	--	0.92	--
02/21/93	10:10	--	1.5	--	--	--	0.87	--
02/21/93	10:15	--	1.5	--	--	--	0.84	--
02/21/93	10:20	--	1.2	--	--	--	0.80	--
02/21/93	10:25	--	1.6	--	--	--	0.90	--
02/21/93	10:30	--	1.5	--	--	--	0.84	--
02/21/93	10:35	--	1.2	--	--	--	0.74	--
02/21/93	10:40	--	1.5	--	--	--	0.08	--

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
02/21/93	10:45	--	1.4	--	--	--	0.84	--
02/21/93	10:50	--	1.3	--	--	--	0.84	--
02/21/93	10:55	--	1.4	--	--	--	0.73	--
02/21/93	11:00	--	1.0	--	--	--	0.78	--
02/21/93	11:05	--	1.9	--	--	--	0.93	--
02/21/93	11:10	--	1.6	--	--	--	0.79	--
02/21/93	11:15	--	1.1	--	--	--	0.75	--
02/21/93	11:20	--	1.0	--	--	--	0.69	--
02/21/93	11:25	--	1.4	--	--	--	0.88	--
02/21/93	11:30	--	1.6	--	--	--	0.82	--
02/21/93	11:35	--	1.0	--	--	--	0.69	--
02/21/93	11:40	--	1.2	--	--	--	0.79	--
02/21/93	11:45	--	1.5	--	--	--	0.75	--
02/21/93	11:50	--	1.2	--	--	--	0.88	--
02/21/93	11:55	--	1.4	--	--	--	0.86	--
02/21/93	12:00	--	1.1	--	--	--	0.71	--
02/21/93	12:05	--	1.1	--	--	--	0.79	--
02/21/93	12:10	--	1.1	--	--	--	0.76	--
02/21/93	12:15	--	1.0	--	--	--	0.69	--
02/21/93	12:20	--	1.1	--	--	--	0.66	--
02/21/93	12:25	--	1.1	--	--	--	0.73	--
02/21/93	12:30	--	1.1	--	--	--	0.75	--
02/21/93	12:35	--	1.0	--	--	--	0.58	--
02/21/93	12:40	--	1.3	--	--	--	0.79	--
02/21/93	12:45	--	1.1	--	--	--	0.80	--
02/21/93	12:50	--	1.2	--	--	--	0.77	--
05/18/93	17:50	--	1.1	--	--	--	0.19	--
05/18/93	17:55	--	1.6	--	--	--	0.46	--
05/18/93	18:00	--	6.2	--	--	--	2.40	--
05/18/93	18:05	--	6.0	--	--	--	3.40	--
05/18/93	18:10	--	5.1	--	--	--	3.50	--
05/18/93	18:15	--	8.1	--	--	--	4.20	--
05/18/93	18:20	--	6.5	--	--	--	4.10	--
05/18/93	18:25	--	7.3	--	--	--	4.10	--
05/18/93	18:30	--	5.6	--	--	--	4.20	--
05/18/93	18:35	--	7.2	--	--	--	3.90	--
05/18/93	18:40	--	4.9	--	--	--	2.30	--
05/18/93	18:45	--	18.0	--	--	--	3.50	--
05/18/93	18:50	--	5.4	--	--	--	2.30	--
05/18/93	19:10	--	4.1	--	--	--	1.70	--
05/18/93	19:15	--	3.7	--	--	--	1.50	--
05/18/93	19:20	--	3.6	--	--	--	1.40	--
05/18/93	19:25	--	3.3	--	--	--	1.30	--
05/18/93	19:30	--	3.6	--	--	--	1.20	--
05/18/93	19:35	--	3.4	--	--	--	1.20	--
05/18/93	19:40	--	3.7	--	--	--	1.30	--
05/18/93	19:45	--	4.0	--	--	--	1.40	--
05/18/93	19:50	--	4.4	--	--	--	1.40	--
05/18/93	19:55	--	3.5	--	--	--	1.30	--
05/18/93	20:00	--	3.7	--	--	--	1.20	--
05/18/93	20:05	--	3.4	--	--	--	1.10	--
05/18/93	20:10	--	2.8	--	--	--	1.00	--
05/18/93	20:15	--	2.6	--	--	--	0.91	--
05/18/93	20:20	--	2.7	--	--	--	1.00	--
05/18/93	20:25	--	2.4	--	--	--	0.90	--
05/18/93	20:30	--	2.4	--	--	--	0.87	--

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
05/18/93	20:35	--	2.5	--	--	--	0.89	--
05/18/93	20:40	--	2.7	--	--	--	0.90	--
05/18/93	20:45	--	2.3	--	--	--	0.89	--
05/18/93	20:50	--	2.2	--	--	--	0.90	--
05/18/93	20:55	--	1.8	--	--	--	0.87	--
05/18/93	21:00	--	2.6	--	--	--	0.88	--
05/18/93	21:05	--	2.6	--	--	--	0.89	--
05/18/93	21:25	--	3.0	--	--	--	1.00	--
05/18/93	21:30	--	3.0	--	--	--	1.00	--
05/18/93	21:35	--	3.1	--	--	--	1.00	--
05/18/93	21:40	--	3.1	--	--	--	1.00	--
05/18/93	21:45	--	3.0	--	--	--	1.00	--
05/18/93	21:50	--	3.1	--	--	--	1.00	--
05/18/93	21:55	--	3.0	--	--	--	0.99	--
05/18/93	22:00	--	3.0	--	--	--	0.99	--
05/18/93	22:05	--	3.0	--	--	--	1.10	--
05/18/93	22:10	--	3.1	--	--	--	1.00	--
05/18/93	22:15	--	3.0	--	--	--	1.00	--
05/18/93	22:20	--	2.9	--	--	--	0.96	--
05/18/93	22:25	--	2.9	--	--	--	0.94	--
05/18/93	22:30	--	2.8	--	--	--	0.95	--
05/18/93	22:35	--	2.9	--	--	--	0.99	--
05/18/93	22:40	--	3.1	--	--	--	0.93	--
05/18/93	22:45	--	2.8	--	--	--	0.94	--
05/18/93	22:50	--	2.8	--	--	--	0.98	--
05/18/93	22:55	--	2.8	--	--	--	0.90	--
05/18/93	23:00	--	2.8	--	--	--	0.92	--
05/18/93	23:05	--	2.8	--	--	--	0.91	--
05/18/93	23:10	--	2.7	--	--	--	0.91	--
05/18/93	23:15	--	2.6	--	--	--	0.90	--
05/18/93	23:20	--	2.6	--	--	--	0.88	--
05/18/93	24:00	--	2.7	--	--	--	0.87	--
05/19/93	00:15	--	2.7	--	--	--	0.86	--
05/19/93	00:30	--	2.6	--	--	--	0.84	--
05/19/93	00:45	--	2.6	--	--	--	0.88	--
05/19/93	01:00	--	2.6	--	--	--	0.83	--
05/19/93	01:15	--	2.5	--	--	--	0.91	--
05/19/93	01:30	--	2.5	--	--	--	0.69	--
05/19/93	01:45	--	2.3	--	--	--	0.77	--
05/19/93	02:00	--	2.4	--	--	--	0.77	--
05/19/93	02:15	--	3.3	--	--	--	0.77	--
05/19/93	02:30	--	2.4	--	--	--	0.82	--
05/19/93	02:45	--	2.4	--	--	--	0.75	--
05/19/93	03:00	--	2.4	--	--	--	0.74	--
05/19/93	03:15	--	2.4	--	--	--	0.73	--
05/19/93	03:30	--	2.5	--	--	--	0.72	--
05/19/93	03:45	--	2.5	--	--	--	0.72	--
05/19/93	04:00	--	2.5	--	--	--	0.70	--
05/19/93	04:15	--	2.3	--	--	--	0.68	--
05/19/93	04:30	--	2.3	--	--	--	0.68	--
05/19/93	04:45	--	2.3	--	--	--	0.66	--
05/19/93	05:00	--	2.3	--	--	--	0.70	--
05/19/93	05:15	--	2.3	--	--	--	0.65	--
05/19/93	05:30	--	3.5	--	--	--	0.64	--
05/19/93	05:45	--	2.3	--	--	--	0.69	--
08/02/93	02:10	--	6.2	--	--	--	1.80	--

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
08/02/93	02:15	--	6.9	--	--	--	0.74	--
08/02/93	02:20	--	5.7	--	--	--	0.78	--
08/02/93	02:25	--	5.5	--	--	--	1.40	--
08/02/93	02:30	--	4.5	--	--	--	1.40	--
08/02/93	02:35	--	5.1	--	--	--	1.20	--
08/02/93	02:40	--	5.2	--	--	--	0.82	--
08/02/93	02:45	--	4.6	--	--	--	1.10	--
08/02/93	02:50	--	4.7	--	--	--	0.80	--
08/02/93	02:55	--	4.3	--	--	--	1.30	--
08/02/93	03:00	--	4.0	--	--	--	1.50	--
08/02/93	03:05	--	3.4	--	--	--	0.64	--
08/02/93	03:10	--	3.0	--	--	--	1.40	--
08/02/93	03:15	--	4.1	--	--	--	0.62	--
08/02/93	03:20	--	2.8	--	--	--	0.94	--
08/02/93	03:25	--	3.1	--	--	--	1.70	--
08/02/93	03:30	--	2.9	--	--	--	1.80	--
08/02/93	03:35	--	2.7	--	--	--	0.90	--
08/02/93	03:40	--	2.2	--	--	--	0.80	--
08/02/93	03:45	--	2.4	--	--	--	0.48	--
08/02/93	03:50	--	2.6	--	--	--	0.74	--
08/02/93	03:55	--	2.5	--	--	--	0.50	--
08/02/93	04:00	--	3.3	--	--	--	0.80	--
08/02/93	04:05	--	2.3	--	--	--	0.90	--
08/02/93	05:50	--	--	--	--	--	1.10	--
08/02/93	05:55	--	--	--	--	--	0.88	--
08/02/93	06:00	--	--	--	--	--	0.88	--
08/02/93	06:05	--	--	--	--	--	1.10	--
08/02/93	06:10	--	--	--	--	--	1.10	--
08/02/93	06:15	--	--	--	--	--	1.10	--
08/02/93	06:20	--	--	--	--	--	1.10	--
08/02/93	06:25	--	--	--	--	--	1.10	--
08/02/93	06:30	--	--	--	--	--	0.76	--
08/02/93	06:35	--	--	--	--	--	0.96	--
08/02/93	06:40	--	--	--	--	--	1.00	--
08/02/93	06:45	--	--	--	--	--	0.96	--
08/02/93	06:50	--	--	--	--	--	0.98	--
08/02/93	06:55	--	--	--	--	--	0.76	--
08/02/93	07:00	--	--	--	--	--	0.90	--
08/02/93	07:05	--	--	--	--	--	0.86	--
08/02/93	07:10	--	--	--	--	--	0.72	--
08/02/93	07:15	--	--	--	--	--	0.64	--
08/02/93	07:20	--	--	--	--	--	0.92	--
08/02/93	07:25	--	--	--	--	--	0.86	--
08/02/93	07:30	--	--	--	--	--	0.86	--
08/02/93	07:35	--	--	--	--	--	0.82	--
08/02/93	07:40	--	--	--	--	--	0.90	--
08/02/93	07:45	--	--	--	--	--	0.66	--
06/06/95	14:50	16.8	10.0	8.0	2.00	6.80	0.97	0.95
06/06/95	15:10	21.3	12.0	8.1	3.90	9.30	1.60	1.60
06/06/95	15:30	19.9	11.0	7.5	3.50	8.90	2.00	2.00
06/06/95	15:50	17.7	11.0	8.3	2.70	6.70	1.70	1.60
06/06/95	16:10	15.7	9.5	6.9	2.60	6.20	1.70	1.70
06/06/95	17:40	17.4	11.0	8.2	2.80	6.40	1.70	1.70
06/06/95	17:50	14.2	7.5	4.5	3.00	6.70	1.70	1.80
06/06/95	18:00	17.0	10.0	6.7	3.30	7.00	2.00	2.00
06/06/95	18:10	16.7	9.4	5.9	3.50	7.30	2.10	2.10

Table 6. Nitrogen and phosphorus data for water samples collected at the Middle Beaver Creek canal tributary at Wilson farm near Madge (station 07030249), 1990-1995--Continued

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; --, no data]

Date	Time	Nitrogen total (mg/L as N)	Nitrogen organic and ammonia total (mg/L as N)	Nitrogen organic total (mg/L as N)	Nitrogen ammonia total (mg/L as N)	Nitrogen nitrite and nitrate total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus ortho total (mg/L as P)
06/06/95	18:20	17.2	10.0	6.4	3.60	7.20	2.20	2.20
06/06/95	18:30	15.8	9.1	5.8	3.30	6.70	2.00	2.00
06/06/95	18:40	14.7	8.5	0.5	3.00	6.20	1.90	1.90
06/06/95	18:50	11.7	6.6	4.2	2.40	5.10	1.60	1.60
06/06/95	19:00	10.4	5.9	3.9	2.00	4.50	1.50	1.50
06/06/95	19:20	9.2	5.3	3.5	1.80	3.90	1.40	1.40
06/06/95	19:40	10.9	7.2	5.2	2.00	3.70	1.20	1.20
06/11/95	08:25	20.0	10.0	8.6	1.40	10.00	3.30	0.77
06/11/95	08:35	25.0	13.0	12.0	1.20	12.00	5.10	0.59
06/11/95	08:45	25.0	12.0	11.0	1.40	13.00	4.80	0.63
06/11/95	08:55	25.0	11.0	9.6	1.40	14.00	3.80	0.65
06/11/95	09:05	23.2	9.2	7.8	1.40	14.00	3.10	0.74
06/11/95	09:15	22.6	8.6	7.1	1.50	14.00	2.90	0.84
06/11/95	09:25	22.2	8.2	6.6	1.60	14.00	2.70	0.92
06/21/95	07:30	16.8	11.0	10.0	0.83	5.80	0.87	0.71
06/21/95	07:40	24.1	18.0	17.0	1.20	6.10	0.85	0.85
06/21/95	07:50	16.7	11.0	10.0	0.90	5.70	0.92	0.79
06/21/95	08:00	15.2	8.7	7.8	0.91	6.50	0.78	0.78
06/21/95	08:10	15.8	8.6	7.6	0.97	7.20	0.76	0.76
06/21/95	08:20	18.2	11.0	10.0	1.00	7.20	0.77	0.77
06/21/95	08:30	17.6	11.0	10.0	1.00	6.60	0.79	0.79
06/21/95	08:40	16.5	9.4	8.4	1.00	7.10	0.83	0.83
06/21/95	08:50	16.7	9.4	8.3	1.10	7.30	0.87	0.87
06/21/95	09:00	16.7	8.4	7.1	1.30	8.30	1.20	0.99
06/25/95	17:10	13.1	9.9	9.1	0.83	3.20	1.20	0.48
06/25/95	17:20	18.6	13.0	12.0	0.90	5.60	1.10	0.43
06/25/95	17:30	21.3	13.0	12.0	0.72	8.30	1.10	0.70
06/25/95	17:40	17.2	10.0	9.5	0.48	7.20	1.20	0.61
06/25/95	17:50	17.3	10.0	9.5	0.45	7.30	1.30	0.58
06/25/95	18:00	16.2	8.8	8.3	0.49	7.40	1.70	0.57
06/25/95	18:20	18.2	11.0	10.0	0.54	7.20	1.70	0.60
06/25/95	18:40	15.3	7.6	7.0	0.57	7.70	1.10	0.62
06/25/95	19:00	15.3	7.6	7.0	0.58	7.70	1.10	0.65
06/25/95	19:20	15.0	6.8	6.2	0.55	8.20	0.97	0.70
06/25/95	19:40	15.8	7.4	6.8	0.55	8.40	1.40	0.78
06/25/95	20:00	16.2	7.7	7.2	0.53	8.50	1.50	0.84

Table 7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 1990-1994

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
05/19/90	17:45	7,866	02/05/91	18:05	4,346	05/13/91	14:45	43,536	06/23/91	21:25	25,505
05/19/90	18:05	23,169	02/05/91	19:05	3,379	05/13/91	14:55	17,280	06/23/91	21:40	9,448
05/19/90	18:35	12,706	02/05/91	20:05	1,913	05/13/91	16:00	26,179	06/23/91	21:55	4,600
			02/05/91	21:05	1,316	05/13/91	17:15	4,679	06/23/91	23:00	871
			02/05/91	20:10	5,029						
05/20/90	02:15	2,119	02/05/91	20:15	5,971	05/15/91	14:15	91,139	08/09/91	02:25	12,778
05/20/90	02:20	5,583	02/05/91	20:25	5,451	05/15/91	14:25	57,714	08/09/91	02:30	17,472
05/20/90	02:35	15,947	02/05/91	20:40	7,575	05/15/91	14:30	40,523	08/09/91	02:35	14,429
05/20/90	03:05	21,415	02/05/91	20:55	2,541	05/15/91	14:45	18,279	08/09/91	02:40	7,258
05/20/90	03:35	27,212	02/05/91	22:40	1,930				08/09/91	02:45	6,160
						05/25/91	09:35	8,926	08/09/91	02:50	5,025
06/09/90	15:40	64,092				05/25/91	09:40	14,237	08/09/91	02:55	8,584
			03/29/91	11:35	8,383	05/25/91	09:45	14,965	08/09/91	03:00	14,212
06/14/90	17:30	61,547	03/29/91	11:40	5,889	05/25/91	09:50	34,111	08/09/91	03:05	12,584
06/14/90	17:35	17,790	03/29/91	11:45	3,666	05/25/91	09:55	37,585	08/09/91	03:10	9,748
06/14/90	17:45	40,424	03/29/91	11:55	3,237	05/25/91	10:00	31,436	08/09/91	03:15	7,273
06/14/90	18:00	20,185	03/29/91	12:10	4,455	05/25/91	10:05	27,304	08/09/91	03:20	6,209
			03/29/91	12:40	1,744	05/25/91	10:10	28,355	08/09/91	03:35	8,901
06/22/90	01:30	36,773	03/29/91	14:20	1,475	05/25/91	10:15	49,173	08/09/91	03:50	11,518
06/22/90	01:35	31,986	03/29/91	15:30	1,380	05/25/91	10:20	56,598	08/09/91	04:05	6,089
06/22/90	01:40	60,852				05/25/91	10:25	38,640	08/09/91	04:20	5,722
06/22/90	01:45	62,734	04/27/91	05:40	8,966	05/25/91	10:30	28,036	08/09/91	04:35	4,427
06/22/90	02:00	78,784	04/27/91	06:45	27,795	05/25/91	10:45	13,995	08/09/91	04:50	2,708
06/22/90	02:15	25,400	04/27/91	07:45	8,311	05/25/91	11:00	16,830	08/09/91	05:05	1,299
			04/27/91	08:45	11,178	05/25/91	11:15	9,863			
07/11/90	22:35	1,223	04/27/91	09:45	2,205	05/25/91	11:55	2,080	08/28/91	12:45	4,701
07/11/90	22:45	784	04/27/91	10:45	2,071				08/28/91	13:00	2,068
			04/27/91	11:45	13,111				08/28/91	13:30	304
			04/27/91	12:45	8,935	06/15/91	14:10	41,117	08/28/91	14:30	7,081
10/03/90	20:30	2,080				06/15/91	14:15	48,915	08/28/91	14:45	2,375
10/03/90	20:35	3,728	04/28/91	03:50	12,459	06/15/91	14:20	31,413	08/28/91	15:00	642
10/03/90	20:40	5,094	04/28/91	04:50	3,413	06/15/91	14:25	15,736	08/28/91	16:00	5,175
10/03/90	20:45	1,478	04/28/91	05:50	11,228	06/15/91	19:55	10,866	08/28/91	16:15	6,207
10/03/90	21:00	2,908	04/28/91	06:50	11,397	06/15/91	20:00	69,684	08/28/91	16:30	719
10/03/90	21:15	3,957	04/28/91	07:50	7,443	06/15/91	20:05	54,982	08/28/91	16:45	436
			04/28/91	08:50	7,547	06/15/91	20:10	39,276	08/28/91	17:15	260
10/04/90	01:45	8,850	04/28/91	09:50	1,478	06/15/91	20:15	35,148			
10/04/90	01:55	9,696	04/28/91	20:25	1,302	06/15/91	20:20	26,341			
10/04/90	02:00	13,703	04/28/91	23:25	7,416	06/15/91	20:25	18,647	09/08/91	08:45	1,460
10/04/90	02:15	19,115	04/28/91	00:25	2,558	06/15/91	20:30	13,141	09/08/91	08:50	12,240
10/04/90	02:30	22,451							09/08/91	08:55	8,955
10/04/90	02:35	4,164							09/08/91	09:00	3,376
			05/11/91	11:50	14,642	06/22/91	15:10	26,797	09/08/91	09:05	2,099
01/06/91	17:40	2,569	05/11/91	11:55	75,003	06/22/91	15:15	54,680	09/08/91	09:10	1,427
			05/11/91	12:00	56,839	06/22/91	15:20	45,376	09/08/91	09:15	1,027
			05/11/91	12:05	31,881	06/22/91	15:25	24,466	09/08/91	09:20	869
02/05/91	03:55	3,239				06/22/91	15:30	19,338	09/08/91	09:25	722
02/05/91	04:00	4,896	05/12/91	09:50	16,924	06/22/91	15:35	16,544	09/08/91	09:50	3,517
02/05/91	04:05	7,090	05/12/91	15:00	41,979	06/22/91	15:40	10,478	09/08/91	10:15	1,522
02/05/91	04:20	4,518	05/12/91	15:05	7,452						
02/05/91	04:35	3,005	05/12/91	15:15	53,053	06/23/91	20:10	20,015	09/09/91	09:05	610
02/05/91	05:35	8,315	05/12/91	15:30	20,137	06/23/91	20:15	32,994	09/09/91	09:55	4,771
02/05/91	06:05	5,002	05/12/91	15:45	12,396	06/23/91	20:20	28,402	09/09/91	10:25	761
02/05/91	07:05	3,183	05/12/91	16:15	9,963	06/23/91	20:25	15,935			
02/05/91	08:05	2,696	05/12/91	17:10	3,992	06/23/91	20:30	10,999			
02/05/91	09:05	6,135				06/23/91	20:35	8,918	10/29/91	23:45	125
02/05/91	16:30	933				06/23/91	20:40	6,945	10/29/91	24:00	327
02/05/91	16:35	899	05/13/91	14:10	98,353	06/23/91	21:05	5,890	10/30/91	00:15	251
02/05/91	16:40	686	05/13/91	14:15	70,590	06/23/91	21:10	10,510			
02/05/91	16:55	458	05/13/91	14:20	48,609	06/23/91	21:15	15,268	12/13/91	00:05	8,508
02/05/91	17:10	4,580	05/13/91	14:25	29,658	06/23/91	21:20	20,623	12/13/91	00:10	9,946
02/05/91	17:35	6,193	05/13/91	14:40	37,318						

Table 7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
12/13/91	00:15	2,683	03/18/92	06:25	11,790	06/03/92	06:30	15,633	07/04/92	22:35	3,215
12/13/91	00:20	5,065	03/18/92	06:30	1,308	06/03/92	06:35	15,022	07/04/92	22:40	2,545
12/13/91	00:25	4,184	03/18/92	06:35	4,280	06/03/92	07:10	19,500			
12/13/91	00:30	3,638	03/18/92	06:40	7,800	06/03/92	07:15	19,805	07/05/92	22:40	487
12/13/91	00:35	3,096	03/18/92	06:50	11,440	06/03/92	07:20	18,304	07/05/92	22:45	13,555
12/13/91	00:40	2,902				06/03/92	07:25	12,000	07/05/92	22:50	10,100
12/13/91	00:45	2,508	05/29/92	10:50	868	06/03/92	07:30	10,643	07/05/92	22:55	6,740
12/13/91	00:50	5,166	05/29/92	10:52	2,730	06/03/92	07:35	11,334	07/05/92	23:00	3,973
12/13/91	00:55	5,898	05/29/92	10:53	2,690	06/03/92	07:40	15,200	07/05/92	23:05	2,656
12/13/91	01:00	5,954	05/29/92	10:54	2,520	06/03/92	07:45	15,068	07/05/92	23:10	2,090
12/13/91	01:05	4,998	05/29/92	10:55	3,510	06/03/92	07:50	6,648			
12/13/91	01:10	4,627	05/29/92	10:56	2,340	06/03/92	07:55	13,800	07/17/92	03:50	3,060
12/13/91	01:15	2,661	05/29/92	10:57	2,120	06/03/92	08:00	13,461	07/17/92	03:55	4,475
12/13/91	01:20	7,966	05/29/92	10:58	1,930	06/03/92	08:05	11,347	07/17/92	04:00	5,315
12/13/91	01:25	4,073	05/29/92	10:59	1,020	06/03/92	08:10	9,080	07/17/92	04:05	3,130
12/13/91	01:30	4,007	05/29/92	11:00	2,465	06/03/92	08:15	7,391	07/17/92	04:10	2,709
12/13/91	01:35	4,609	05/29/92	11:05	1,620	06/03/92	08:20	6,737	07/17/92	04:15	1,907
12/13/91	01:40	2,762	05/29/92	11:10	1,373	06/03/92	08:25	7,660	07/17/92	04:20	1,600
12/13/91	01:45	2,528	05/29/92	11:12	1,160	06/03/92	08:30	7,855	07/17/92	04:25	1,404
12/13/91	01:50	2,359	05/29/92	11:13	1,120	06/03/92	08:35	7,341	07/17/92	04:30	1,380
12/13/91	01:55	2,516	05/29/92	11:15	1,101	06/03/92	08:40	13,600	07/17/92	04:35	1,280
12/13/91	02:00	2,551	05/29/92	11:20	878	06/03/92	08:45	18,137	07/17/92	04:40	1,349
						06/03/92	08:50	17,761	07/17/92	04:45	4,985
02/17/92	19:55	172	06/03/92	04:40	4,990	06/03/92	08:55	17,800	07/17/92	04:50	4,410
02/17/92	20:10	10,398	06/03/92	04:45	24,111	06/03/92	09:00	17,793	07/17/92	04:55	3,698
02/17/92	20:15	10,328	06/03/92	04:46	23,800	06/03/92	09:05	11,600	07/17/92	05:00	2,344
02/17/92	20:25	6,245	06/03/92	04:47	24,000	06/03/92	09:25	2,370	07/17/92	05:05	1,670
02/17/92	20:30	4,936	06/03/92	04:48	27,000	06/03/92	09:26	2,220	07/17/92	05:10	1,345
02/17/92	20:40	3,737	06/03/92	04:49	32,400	06/03/92	09:27	1,980	07/17/92	05:15	1,132
02/17/92	20:45	3,175	06/03/92	04:50	66,496	06/03/92	09:28	1,940	07/17/92	05:20	988
02/17/92	20:50	3,091	06/03/92	04:51	62,500	06/03/92	09:29	1,860	07/17/92	05:25	898
02/17/92	20:55	2,340	06/03/92	04:52	65,700	06/03/92	09:30	1,790	07/17/92	05:30	765
02/17/92	21:00	1,942	06/03/92	04:53	64,600	06/03/92	09:31	1,600	07/17/92	05:35	699
02/17/92	21:05	1,713	06/03/92	04:54	63,300	06/03/92	09:32	1,580	07/17/92	05:40	750
02/17/92	21:10	1,370	06/03/92	04:55	69,700	06/03/92	09:33	1,630	07/17/92	05:45	692
02/17/92	21:15	1,189	06/03/92	05:00	43,667	06/03/92	09:34	1,610			
02/17/92	21:20	977	06/03/92	05:05	23,601	06/03/92	09:35	1,430	08/23/92	12:25	514
			06/03/92	05:06	40,800	06/03/92	09:36	1,500	08/23/92	12:30	1,359
02/25/92	18:35	3,087	06/03/92	05:07	31,700	06/03/92	09:37	1,400	08/23/92	12:35	767
02/25/92	18:40	2,867	06/03/92	05:08	34,900				08/23/92	12:40	391
02/25/92	19:55	2,810	06/03/92	05:10	46,300	06/26/92	01:55	4,550	08/23/92	12:45	294
02/25/92	20:05	2,244	06/03/92	05:11	34,400	06/26/92	02:00	1,993	08/23/92	12:50	223
02/25/92	20:10	1,753	06/03/92	05:13	37,500	06/26/92	03:10	1,636	08/23/92	12:55	157
02/25/92	20:35	1,280	06/03/92	05:14	37,400	06/26/92	03:15	2,070	08/23/92	13:00	150
02/25/92	20:40	1,132	06/03/92	05:15	27,102	06/26/92	03:20	1,844	08/23/92	13:05	131
02/25/92	20:45	939	06/03/92	05:20	26,985				08/23/92	13:10	102
02/25/92	21:05	691	06/03/92	05:25	20,900	06/30/92	17:10	11,500			
			06/03/92	05:30	17,205	06/30/92	17:15	14,287	08/27/92	11:45	720
03/18/92	03:25	14,928	06/03/92	05:35	12,405	06/30/92	17:20	8,564	08/27/92	11:50	1,484
03/18/92	03:35	8,380	06/03/92	05:40	9,740	06/30/92	17:25	7,500	08/27/92	11:55	1,010
03/18/92	03:40	8,243	06/03/92	05:45	7,704	06/30/92	17:30	4,808	08/27/92	12:00	482
03/18/92	03:45	7,580	06/03/92	05:50	9,128	06/30/92	18:05	4,303	08/27/92	12:05	452
03/18/92	03:50	6,554	06/03/92	05:55	11,000	06/30/92	18:10	3,550	08/27/92	12:10	341
03/18/92	05:50	5,464	06/03/92	06:00	11,193	06/30/92	18:15	3,394	08/27/92	12:15	277
03/18/92	05:55	4,960	06/03/92	06:05	14,975				08/27/92	12:20	248
03/18/92	06:00	5,017	06/03/92	06:10	17,700	07/04/92	22:15	14,800	08/27/92	12:25	195
03/18/92	06:05	4,051	06/03/92	06:15	16,391	07/04/92	22:20	15,776	08/27/92	12:30	164
03/18/92	06:10	4,198	06/03/92	06:20	15,610	07/04/92	22:25	10,855	08/27/92	12:35	167
03/18/92	06:15	8,093	06/03/92	06:25	13,800	07/04/92	22:30	5,260	08/27/92	12:40	155

Table 7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
08/27/92	12:45	145	11/22/92	03:45	1,307	04/14/93	22:40	1,084	04/15/93	03:30	122
08/27/92	12:50	132	11/22/92	03:55	3,069	04/14/93	22:45	942	04/15/93	03:35	122
			11/22/92	04:05	2,278	04/14/93	22:50	837	04/15/93	03:40	111
09/22/92	02:30	832	11/22/92	04:15	1,368	04/14/93	22:55	694	04/15/93	03:45	115
09/22/92	02:35	849	11/22/92	04:25	1,057	04/14/93	23:00	763	04/15/93	03:50	98
09/22/92	02:40	495	11/22/92	04:35	799	04/14/93	23:05	804	04/15/93	03:55	77
09/22/92	02:45	199	11/22/92	04:45	639	04/14/93	23:10	667	04/15/93	04:00	96
09/22/92	02:50	211	11/22/92	04:55	561	04/14/93	23:15	563	04/15/93	04:05	92
09/22/92	02:55	241	11/22/92	05:05	448	04/14/93	23:20	459	04/15/93	04:10	67
09/22/92	03:00	235	11/22/92	05:15	346	04/14/93	23:25	432	04/15/93	04:15	89
09/22/92	03:05	158				04/14/93	23:30	394	04/15/93	04:20	71
09/22/92	03:10	132	03/31/93	00:45	876	04/14/93	23:35	240	04/15/93	04:25	74
09/22/92	03:15	111	03/31/93	00:50	940	04/14/93	23:40	348	04/15/93	04:30	81
09/22/92	03:20	140	03/31/93	00:55	916	04/14/93	23:45	334	04/15/93	04:35	73
09/22/92	03:25	152	03/31/93	01:00	779	04/14/93	23:50	331	04/15/93	04:40	94
09/22/92	03:30	160	03/31/93	01:05	740	04/14/93	23:55	317	04/15/93	04:45	82
09/22/92	03:35	111	03/31/93	01:10	816	04/14/93	24:00	246	04/15/93	04:50	88
09/22/92	03:40	95	03/31/93	01:15	1,314				04/15/93	06:35	57
09/22/92	03:45	88	03/31/93	01:20	2,328	04/15/93	00:05	328			
09/22/92	03:50	78	03/31/93	01:25	2,805	04/15/93	00:10	330	04/20/93	01:05	9,173
09/22/92	03:55	74	03/31/93	01:30	2,263	04/15/93	00:15	564	04/20/93	01:10	8,192
09/22/92	04:00	73	03/31/93	01:35	1,649	04/15/93	00:20	1,300	04/20/93	01:15	3,289
09/22/92	04:05	77	03/31/93	01:40	1,282	04/15/93	00:25	1,561	04/20/93	01:20	1,873
09/22/92	04:10	79	03/31/93	01:45	1,056	04/15/93	00:30	1,126	04/20/93	01:25	1,313
09/22/92	04:15	79	03/31/93	01:50	962	04/15/93	00:35	784	04/20/93	01:30	919
09/22/92	04:20	85	03/31/93	01:55	872	04/15/93	00:40	634	04/20/93	01:35	811
09/22/92	04:25	100	03/31/93	02:00	786	04/15/93	00:45	563	04/20/93	01:40	710
09/22/92	04:50	71	03/31/93	02:05	697	04/15/93	00:50	486	04/20/93	01:45	675
09/22/92	04:55	64				04/15/93	00:55	426	04/20/93	01:50	644
09/22/92	05:00	54	04/14/93	20:55	5,744	04/15/93	01:00	404	04/20/93	01:55	590
09/22/92	05:10	47	04/14/93	21:00	3,546	04/15/93	01:05	365	04/20/93	02:00	555
09/22/92	05:20	43	04/14/93	21:05	2,121	04/15/93	01:10	351	04/20/93	02:05	509
09/22/92	05:35	33	04/14/93	21:10	1,453	04/15/93	01:15	309	04/20/93	02:10	447
09/22/92	05:40	35	04/14/93	21:15	1,190	04/15/93	01:20	286	04/20/93	02:15	362
09/22/92	05:45	32	04/14/93	21:20	954	04/15/93	01:25	243	04/20/93	02:20	452
09/22/92	05:50	33	04/14/93	21:25	904	04/15/93	01:30	253	04/20/93	02:25	444
			04/14/93	21:30	846	04/15/93	01:35	222	04/20/93	02:30	408
11/12/92	08:45	15,100	04/14/93	21:35	754	04/15/93	01:40	220	04/20/93	02:35	373
			04/14/93	21:40	5,837	04/15/93	01:45	221	04/20/93	02:40	362
11/22/92	00:30	1,643	04/14/93	21:45	11,759	04/15/93	01:50	214	04/20/93	02:45	399
11/22/92	00:35	2,414	04/14/93	21:50	6,865	04/15/93	01:55	200	04/20/93	02:50	307
11/22/92	00:40	1,868	04/14/93	21:55	3,942	04/15/93	02:00	194	04/20/93	02:55	404
11/22/92	00:45	1,364	04/14/93	22:00	3,125	04/15/93	02:05	121	04/20/93	03:00	450
11/22/92	00:50	1,267	04/14/93	22:05	2,436	04/15/93	02:10	151	04/20/93	03:05	446
11/22/92	01:00	1,982	04/14/93	22:10	2,076	04/15/93	02:15	152	04/20/93	03:10	406
11/22/92	01:05	1,736	04/14/93	22:15	1,768	04/15/93	02:20	123	04/20/93	03:15	391
11/22/92	01:10	1,423	04/14/93	22:16	1,592	04/15/93	02:25	153	04/20/93	03:20	481
11/22/92	01:15	1,055	04/14/93	22:17	1,540	04/15/93	02:30	134	04/20/93	03:25	550
11/22/92	01:20	933	04/14/93	22:18	1,527	04/15/93	02:35	183	04/20/93	03:30	539
11/22/92	01:25	851	04/14/93	22:19	1,459	04/15/93	02:40	192	04/20/93	03:35	417
11/22/92	01:30	806	04/14/93	22:20	1,527	04/15/93	02:45	223	04/20/93	03:40	305
11/22/92	01:35	937	04/14/93	22:21	1,355	04/15/93	02:50	245	04/20/93	03:45	235
11/22/92	01:40	1,024	04/14/93	22:22	1,347	04/15/93	02:55	192	04/20/93	03:50	240
11/22/92	01:45	1,205	04/14/93	22:23	1,312	04/15/93	03:00	173	04/20/93	03:55	212
11/22/92	01:50	1,006	04/14/93	22:24	1,271	04/15/93	03:05	173	04/20/93	04:00	353
11/22/92	01:55	929	04/14/93	22:25	1,365	04/15/93	03:10	156	04/20/93	04:05	489
11/22/92	02:00	855	04/14/93	22:26	1,195	04/15/93	03:15	145	04/20/93	04:10	504
11/22/92	02:05	849	04/14/93	22:30	1,244	04/15/93	03:20	115	04/20/93	04:15	409
11/22/92	03:35	403	04/14/93	22:35	1,775	04/15/93	03:25	119	04/20/93	04:20	292

Table 7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
04/20/93	04:25	211	05/02/93	08:50	145	06/10/93	08:25	999	06/28/93	15:40	413
04/20/93	04:30	190	05/02/93	08:55	161	06/10/93	08:30	918	06/28/93	15:45	434
04/20/93	04:35	160	05/02/93	09:00	156	06/10/93	08:35	878	06/28/93	15:50	321
04/20/93	04:40	164	05/02/93	09:05	129	06/10/93	08:40	777	06/28/93	15:55	331
04/20/93	04:45	143	05/02/93	09:10	99	06/10/93	08:45	799	06/28/93	16:00	298
04/20/93	04:50	158	05/02/93	09:15	104	06/10/93	08:50	758	06/28/93	16:05	281
04/20/93	04:55	156	05/02/93	09:20	118	06/10/93	08:55	668	06/28/93	16:10	245
04/20/93	05:00	148	05/02/93	09:25	109	06/10/93	09:00	681	06/28/93	16:15	258
04/20/93	05:05	105	05/02/93	09:30	85	06/10/93	09:05	639	06/28/93	16:20	205
04/20/93	05:10	117	05/02/93	09:35	94	06/10/93	09:10	639	06/28/93	16:25	228
04/20/93	05:15	126	05/02/93	09:40	85	06/10/93	09:15	648	06/28/93	16:30	224
04/20/93	05:20	82	05/02/93	09:45	90	06/10/93	09:20	559	06/28/93	16:35	214
04/20/93	05:25	83	05/02/93	09:50	79	06/10/93	09:25	596	06/28/93	16:40	199
04/20/93	05:30	80				06/10/93	09:30	14,977	06/28/93	16:55	187
04/20/93	05:35	89	05/13/93	05:05	197				06/28/93	17:00	186
04/20/93	05:40	74	05/13/93	05:10	251	06/24/93	17:10	6,926	06/28/93	17:05	173
04/20/93	05:45	86	05/13/93	05:15	244	06/24/93	17:15	6,428	06/28/93	17:10	171
04/20/93	05:50	77	05/13/93	05:20	221	06/24/93	17:20	5,165	06/28/93	17:15	170
04/20/93	05:55	89	05/13/93	05:25	185	06/24/93	17:25	3,491	06/28/93	17:20	174
04/20/93	06:00	98	05/13/93	05:30	168	06/24/93	17:30	2,945	06/28/93	17:23	159
04/20/93	06:05	94	05/13/93	05:35	152	06/24/93	17:35	1,889	06/28/93	17:25	158
04/20/93	06:10	70	05/13/93	05:40	137	06/24/93	17:40	1,408			
			05/13/93	05:45	122	06/24/93	17:45	1,116	06/29/93	04:50	5,153
04/25/93	10:50	99				06/24/93	17:50	913	06/29/93	04:55	6,295
04/25/93	10:55	186	05/31/93	00:20	13,523	06/24/93	17:55	778	06/29/93	05:00	4,559
04/25/93	11:00	180	05/31/93	00:25	11,551	06/24/93	18:00	690	06/29/93	05:05	2,776
04/25/93	11:05	156	05/31/93	00:30	9,478	06/24/93	18:05	718	06/29/93	05:10	2,144
04/25/93	11:10	126	05/31/93	00:35	4,417	06/24/93	18:10	627	06/29/93	05:15	1,715
04/25/93	11:15	105	05/31/93	00:40	2,651	06/24/93	18:15	481	06/29/93	05:20	1,324
04/25/93	11:20	90	05/31/93	00:45	1,802	06/24/93	18:20	436	06/29/93	05:25	1,181
04/25/93	11:25	78	05/31/93	00:50	1,473	06/24/93	18:25	377	06/29/93	05:30	1,063
04/25/93	11:30	65	05/31/93	00:55	1,297	06/24/93	18:30	351	06/29/93	05:35	996
04/25/93	11:35	69	05/31/93	01:00	1,135	06/24/93	18:35	354	06/29/93	05:40	935
04/25/93	11:40	66	05/31/93	01:05	965	06/24/93	18:40	312	06/29/93	05:45	863
04/25/93	11:45	161	05/31/93	01:10	841	06/24/93	18:45	299	06/29/93	05:50	782
04/25/93	11:50	460	05/31/93	01:15	776	06/24/93	18:50	299	06/29/93	05:55	720
04/25/93	11:55	775	05/31/93	01:20	695	06/24/93	18:55	410	06/29/93	06:00	643
04/25/93	12:00	818	05/31/93	01:25	622				06/29/93	06:05	579
04/25/93	12:05	779	05/31/93	01:30	532	06/25/93	13:30	1,460	06/29/93	06:10	507
04/25/93	12:10	686	05/31/93	01:35	542	06/25/93	13:35	1,082	06/29/93	06:15	456
04/25/93	12:15	600	05/31/93	01:40	510	06/25/93	13:40	1,386	06/29/93	06:20	408
04/25/93	12:20	550	05/31/93	01:45	487	06/25/93	13:45	1,503	06/29/93	06:25	329
04/25/93	12:25	581	05/31/93	01:50	471	06/25/93	13:50	1,173	06/29/93	06:30	329
04/25/93	12:30	890	05/31/93	01:55	436	06/25/93	13:55	1,046	06/29/93	06:35	290
04/25/93	12:35	1,082	05/31/93	02:00	404	06/25/93	15:30	251	06/29/93	06:40	292
04/25/93	12:40	1,014	05/31/93	02:05	389	06/25/93	15:35	250	06/29/93	06:45	288
04/25/93	12:45	827	05/31/93	02:10	381	06/25/93	15:40	247			
			05/31/93	02:15	357				07/22/93	17:05	734
05/02/93	07:55	409				06/28/93	14:45	1,288	07/22/93	17:10	5,931
05/02/93	08:00	1,780	06/10/93	07:35	7,739	06/28/93	14:50	5,339	07/22/93	17:15	5,576
05/02/93	08:05	1,723	06/10/93	07:40	9,938	06/28/93	14:55	3,545	07/22/93	17:20	3,127
05/02/93	08:10	1,219	06/10/93	07:45	11,409	06/28/93	15:00	2,054	07/22/93	17:25	1,816
05/02/93	08:15	618	06/10/93	07:50	6,044	06/28/93	15:05	1,534	07/22/93	17:30	1,564
05/02/93	08:20	397	06/10/93	07:55	3,963	06/28/93	15:10	1,377	07/22/93	17:35	1,510
05/02/93	08:25	329	06/10/93	08:00	2,737	06/28/93	15:15	1,002	07/22/93	17:40	1,621
05/02/93	08:30	273	06/10/93	08:05	1,834	06/28/93	15:20	805	07/22/93	17:45	1,277
05/02/93	08:35	101	06/10/93	08:10	1,378	06/28/93	15:25	667	07/22/93	17:50	1,057
05/02/93	08:40	221	06/10/93	08:15	1,156	06/28/93	15:30	572	07/22/93	17:55	879
05/02/93	08:45	187	06/10/93	08:20	1,079	06/28/93	15:35	504	07/22/93	18:00	714

Table 7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
07/22/93	18:05	614	08/05/93	19:40	870	09/25/93	15:45	117	10/18/93	09:05	684
07/22/93	18:10	489	08/05/93	19:45	974	09/25/93	15:50	222	10/18/93	09:10	564
07/22/93	18:15	394	08/05/93	19:50	823	09/25/93	15:55	244	10/18/93	09:15	502
07/22/93	18:20	328	08/05/93	19:55	782	09/25/93	16:00	227	10/18/93	09:20	426
07/22/93	18:25	278	08/05/93	20:00	676	09/25/93	16:05	214	10/18/93	09:25	357
07/22/93	18:30	236	08/05/93	20:05	542	09/25/93	16:10	197	10/18/93	09:30	308
07/22/93	18:35	206	08/05/93	20:10	456	09/25/93	16:15	168	10/18/93	09:35	256
07/22/93	18:40	189	08/05/93	20:15	428	09/25/93	16:20	170	10/18/93	09:40	224
07/22/93	18:45	166	08/05/93	20:20	337	09/25/93	16:25	164	10/18/93	09:45	198
07/22/93	18:50	156	08/05/93	20:25	289	09/25/93	16:30	152	10/18/93	09:50	180
07/22/93	18:55	154	08/05/93	20:30	258	09/25/93	16:35	138	10/18/93	09:55	169
07/22/93	19:00	146	08/05/93	20:35	229	09/25/93	16:40	148	10/18/93	10:00	153
			08/05/93	20:40	194	09/25/93	16:45	122	10/18/93	10:05	141
08/02/93	00:45	618	08/05/93	20:45	180	09/25/93	16:50	119	10/18/93	10:10	135
08/02/93	00:50	7,773	08/05/93	20:50	167	09/25/93	16:55	119	10/18/93	10:15	129
08/02/93	00:55	7,584	08/05/93	20:55	151	09/25/93	17:00	124			
08/02/93	01:00	4,154	08/05/93	21:00	137	09/25/93	17:05	146	10/19/93	03:50	74
08/02/93	01:05	2,833	08/05/93	21:15	116	09/25/93	17:10	171	10/19/93	03:55	78
08/02/93	01:10	2,622	08/05/93	21:20	99	09/25/93	17:15	220	10/19/93	04:00	453
08/02/93	01:15	1,975	08/05/93	21:25	96	09/25/93	17:20	220	10/19/93	04:05	1,049
08/02/93	01:20	1,587	08/05/93	21:30	88	09/25/93	17:25	188	10/19/93	04:10	1,318
08/02/93	01:25	1,490	08/05/93	21:35	83	09/25/93	17:30	198	10/19/93	04:15	858
08/02/93	01:30	1,613	08/05/93	21:40	78				10/19/93	04:20	826
08/02/93	01:35	1,778	08/05/93	21:45	70	10/02/93	10:30	188	10/19/93	04:25	785
08/02/93	01:40	1,439	08/05/93	21:50	72	10/02/93	10:35	222	10/19/93	04:30	830
08/02/93	01:45	1,275	08/05/93	21:55	69	10/02/93	10:40	462	10/19/93	04:35	865
08/02/93	01:50	1,035	08/05/93	22:00	66	10/02/93	10:45	809	10/19/93	04:40	964
08/02/93	01:55	1,112	08/05/93	22:05	65	10/02/93	10:50	901	10/19/93	04:45	922
08/02/93	02:00	816	08/05/93	22:10	60	10/02/93	10:55	674	10/19/93	04:50	697
08/02/93	02:05	707	08/05/93	22:15	67	10/02/93	11:00	543	10/19/93	04:55	513
08/02/93	02:10	608	08/05/93	22:20	66	10/02/93	11:05	459	10/19/93	05:00	410
08/02/93	02:15	545	08/05/93	22:25	63	10/02/93	11:10	472	10/19/93	05:05	339
08/02/93	02:20	436	08/05/93	22:30	69	10/02/93	11:15	434	10/19/93	05:10	289
08/02/93	02:25	350	08/05/93	22:35	69	10/02/93	11:20	423	10/19/93	05:15	246
08/02/93	02:30	289	08/05/93	22:40	70	10/02/93	11:25	421	10/19/93	05:20	223
08/02/93	02:35	278	08/05/93	22:45	123	10/02/93	11:30	392	10/19/93	05:25	199
08/02/93	02:40	236	08/05/93	22:50	322	10/02/93	11:35	352	10/19/93	05:30	183
08/02/93	03:35	123	08/05/93	22:55	401	10/02/93	11:40	361	10/19/93	05:35	167
08/02/93	03:40	84	08/05/93	23:00	396	10/02/93	11:45	295	10/19/93	05:40	156
08/02/93	03:45	79	08/05/93	23:05	340	10/02/93	11:50	285	10/19/93	06:20	117
08/02/93	03:50	77	08/05/93	23:10	277	10/02/93	11:55	236	10/19/93	06:50	107
08/02/93	03:55	63				10/02/93	12:00	238	10/19/93	07:10	110
08/02/93	04:00	70	09/09/93	03:55	335	10/02/93	12:05	226	10/19/93	07:25	111
08/02/93	04:05	69	09/09/93	04:00	337				10/19/93	07:30	109
08/02/93	04:10	78	09/09/93	04:05	332	10/09/93	05:35	119	10/19/93	07:35	109
08/02/93	04:20	70	09/09/93	04:10	328	10/09/93	05:40	227	10/19/93	07:40	105
08/02/93	04:25	64				10/09/93	05:45	258	10/19/93	07:45	110
08/02/93	04:30	60	09/24/93	22:15	88	10/09/93	05:50	319	10/19/93	07:50	132
08/02/93	04:35	62	09/24/93	22:20	85	10/09/93	05:55	264	10/19/93	07:55	166
08/02/93	04:40	58	09/24/93	22:35	76				10/19/93	08:00	170
08/02/93	04:45	57	09/24/93	22:40	73	10/18/93	08:20	1,708	10/19/93	08:05	160
			09/24/93	22:45	61	10/18/93	08:25	2,283	10/19/93	08:10	147
08/05/93	19:05	2,345	09/24/93	22:50	64	10/18/93	08:30	1,775	10/19/93	08:15	135
08/05/93	19:10	8,472	09/24/93	22:55	57	10/18/93	08:35	1,185	10/19/93	08:20	126
08/05/93	19:15	3,801	09/24/93	23:00	57	10/18/93	08:40	904	10/19/93	08:25	123
08/05/93	19:20	2,305	09/24/93	23:45	43	10/18/93	08:45	890	10/19/93	08:30	121
08/05/93	19:25	2,021				10/18/93	08:50	875	10/19/93	08:35	118
08/05/93	19:30	1,379	09/25/93	15:35	36	10/18/93	08:55	820	10/19/93	08:40	113
08/05/93	19:35	849	09/25/93	15:40	35	10/18/93	09:00	813	10/19/93	08:45	107

Table 7. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
10/19/93	08:50	102	11/13/93	14:35	174	11/16/93	19:20	76	03/24/94	09:30	629
10/19/93	08:55	99	11/13/93	14:40	176	11/16/93	19:25	73	03/24/94	09:35	566
10/19/93	09:00	101	11/13/93	14:45	172	11/16/93	19:30	74	03/24/94	09:40	504
10/19/93	09:05	92	11/13/93	14:50	163	11/16/93	19:35	72	03/24/94	09:45	473
10/19/93	15:10	80				11/16/93	19:40	62	03/24/94	09:50	438
10/19/93	15:15	85	11/16/93	14:50	151	11/16/93	19:45	76	03/24/94	09:55	394
10/19/93	15:20	78	11/16/93	14:55	282	11/16/93	19:50	65	03/24/94	10:00	393
10/19/93	15:25	76	11/16/93	15:00	1,397	11/16/93	19:55	65	03/24/94	10:05	356
10/19/93	15:30	71	11/16/93	15:05	1,779	11/16/93	20:00	69	03/24/94	10:10	317
10/19/93	15:35	78	11/16/93	15:10	2,093	11/16/93	20:05	71	03/24/94	10:15	307
10/19/93	15:40	69	11/16/93	15:15	1,314	11/16/93	20:10	69	03/24/94	10:20	271
10/19/93	15:45	66	11/16/93	15:20	1,040	11/16/93	20:15	84	03/24/94	10:30	242
			11/16/93	15:25	1,008	11/16/93	20:20	106	03/24/94	10:35	230
11/13/93	09:00	186	11/16/93	15:30	1,109	11/16/93	20:25	104	03/24/94	10:40	215
11/13/93	09:05	166	11/16/93	15:35	914	11/16/93	20:30	117	03/24/94	10:45	209
11/13/93	09:10	488	11/16/93	15:40	759	11/16/93	20:35	120	03/24/94	10:50	204
11/13/93	09:15	784	11/16/93	15:45	569	11/16/93	21:00	687	03/24/94	10:55	182
11/13/93	09:20	907	11/16/93	15:50	568	11/16/93	21:05	982	03/24/94	11:00	177
11/13/93	09:25	1,126	11/16/93	15:55	477	11/16/93	21:10	886	03/24/94	11:05	161
11/13/93	09:30	1,173	11/16/93	16:00	592	11/16/93	21:15	677	03/24/94	11:10	133
11/13/93	09:35	1,260	11/16/93	16:05	676	11/16/93	21:20	982	03/24/94	11:15	147
11/13/93	09:40	911	11/16/93	16:10	675	11/16/93	21:25	982	03/24/94	11:20	134
11/13/93	09:45	681	11/16/93	16:15	595	11/16/93	21:30	586	03/24/94	11:25	128
11/13/93	09:50	543	11/16/93	16:20	1,457	11/16/93	21:35	612	03/24/94	11:30	140
11/13/93	09:55	614	11/16/93	16:25	1,213	11/16/93	21:40	477	03/24/94	11:35	119
11/13/93	10:00	496	11/16/93	16:30	4,376	11/16/93	21:45	337	03/24/94	11:40	121
11/13/93	10:05	447	11/16/93	16:35	2,344	11/16/93	21:50	268	03/24/94	11:45	127
11/13/93	10:10	339	11/16/93	16:40	2,108	11/16/93	21:55	225	03/24/94	11:50	112
11/13/93	10:15	420	11/16/93	16:45	1,882	11/16/93	22:00	211	03/24/94	11:55	114
11/13/93	10:20	338	11/16/93	17:00	1,193	11/16/93	22:05	174	03/24/94	12:00	89
11/13/93	10:25	291	11/16/93	17:05	837	11/16/93	22:10	159	03/24/94	12:05	87
11/13/93	10:30	277	11/16/93	17:10	639	11/16/93	22:15	156	03/24/94	12:10	108
11/13/93	10:35	244	11/16/93	17:15	509	11/16/93	22:20	138	03/24/94	12:20	102
11/13/93	10:40	224	11/16/93	17:20	385	11/16/93	22:25	131	03/24/94	12:25	106
11/13/93	10:45	224	11/16/93	17:25	369	11/16/93	22:30	132	03/24/94	12:30	100
11/13/93	10:50	198	11/16/93	17:30	329	11/16/93	22:35	144	03/24/94	12:35	110
11/13/93	10:55	196	11/16/93	17:35	284	11/16/93	22:40	151	03/24/94	12:40	122
11/13/93	12:55	140	11/16/93	17:40	244	11/16/93	22:45	137	03/24/94	12:45	147
11/13/93	13:00	144	11/16/93	17:45	229	11/16/93	22:50	115	03/24/94	12:50	159
11/13/93	13:05	140	11/16/93	17:50	207	11/16/93	22:55	103	03/24/94	12:55	183
11/13/93	13:10	167	11/16/93	17:55	216				03/24/94	13:00	204
11/13/93	13:15	313	11/16/93	18:00	248	03/24/94	08:15	18,539	03/24/94	13:05	206
11/13/93	13:20	294	11/16/93	18:05	213	03/24/94	08:20	8,759	03/24/94	13:10	230
11/13/93	13:25	313	11/16/93	18:10	173	03/24/94	08:25	5,479	03/24/94	13:15	223
11/13/93	13:30	259	11/16/93	18:15	144	03/24/94	08:30	3,181	03/24/94	13:20	219
11/13/93	13:35	268	11/16/93	18:20	135	03/24/94	08:35	2,419	03/24/94	13:25	193
11/13/93	13:40	250	11/16/93	18:25	123	03/24/94	08:40	2,187	03/24/94	13:30	198
11/13/93	13:45	244	11/16/93	18:30	115	03/24/94	08:45	2,088	03/24/94	13:35	183
11/13/93	13:50	226	11/16/93	18:35	112	03/24/94	08:50	1,693	03/24/94	13:40	161
11/13/93	13:55	214	11/16/93	18:40	101	03/24/94	08:55	1,408	03/24/94	13:45	158
11/13/93	14:00	214	11/16/93	18:45	96	03/24/94	09:00	1,189	03/24/94	13:50	160
11/13/93	14:05	217	11/16/93	18:50	81	03/24/94	09:05	1,086	03/24/94	13:55	148
11/13/93	14:10	215	11/16/93	18:55	86	03/24/94	09:10	1,023	03/24/94	14:00	137
11/13/93	14:15	231	11/16/93	19:00	78	03/24/94	09:15	905	03/24/94	14:05	119
11/13/93	14:20	212	11/16/93	19:05	82	03/24/94	09:20	823	03/24/94	14:10	119
11/13/93	14:25	210	11/16/93	19:10	82	03/24/94	09:25	713	03/24/94	14:15	119
11/13/93	14:30	197	11/16/93	19:15	74						

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
04/27/90	20:55	3,606	10/04/90	01:45	2,455	05/25/91	09:40	422	06/22/91	15:25	32,543
04/27/90	21:25	2,830	10/04/90	02:00	1,788	05/25/91	09:45	618	06/22/91	15:30	30,653
04/27/90	21:30	2,548	10/04/90	02:15	1,515	05/25/91	09:50	1,956	06/22/91	15:35	32,028
04/27/90	21:55	2,772	10/04/90	02:30	6,255	05/25/91	09:55	3,210	06/22/91	15:40	26,918
			10/04/90	03:00	6,374	05/25/91	10:00	3,575	06/22/91	15:45	22,826
05/02/90	09:55	635	10/04/90	03:30	4,757	05/25/91	10:05	3,074	06/22/91	15:55	17,007
05/02/90	10:00	544				05/25/91	10:20	2,467	06/22/91	16:15	13,930
			01/06/91	04:35	1,863	05/25/91	11:05	988	06/22/91	16:45	9,352
05/04/90	10:25	4,067	01/06/91	04:45	2,033	05/25/91	11:20	766	06/22/91	17:45	6,410
			01/06/91	05:15	1,962	05/25/91	11:35	591	06/22/91	19:45	9,995
05/19/90	18:05	11,688	01/06/91	06:15	786	05/25/91	11:50	413	06/22/91	19:55	43,276
05/19/90	18:20	7,632	01/06/91	06:45	430	05/25/91	12:05	355	06/22/91	20:05	32,283
05/19/90	18:35	5,999	01/06/91	09:45	458	05/25/91	12:15	214	06/22/91	20:10	25,930
05/19/90	19:03	2,987	01/06/91	10:45	273	05/25/91	12:20	281	06/22/91	20:15	22,220
05/19/90	19:05	3,164	01/06/91	11:50	179	05/25/91	12:35	267	06/22/91	20:20	18,226
			01/06/91	17:20	563				06/22/91	20:25	16,215
05/20/90	03:20	3,101	01/06/91	17:30	805	05/28/91	14:25	21	06/22/91	20:30	13,928
05/20/90	03:35	3,087	01/06/91	18:05	812				06/22/91	20:35	12,179
05/20/90	03:50	2,745	01/06/91	19:00	701	06/11/91	15:40	267	06/22/91	20:40	11,417
05/20/90	04:20	3,597	01/06/91	20:00	357	06/11/91	15:45	2,025	06/22/91	20:55	8,749
05/20/90	04:50	3,771	01/06/91	21:00	706	06/11/91	15:50	4,368	06/22/91	21:25	6,083
			01/06/91	22:00	409	06/11/91	15:55	12,884	06/22/91	22:40	3,071
			01/06/91	23:00	926	06/11/91	16:00	11,762	06/22/91	23:40	1,535
06/09/90	15:40	5,223	01/07/91	24:00	575	06/11/91	16:05	8,332			
06/09/90	15:55	33,047	01/07/91	12:35	63	06/11/91	16:10	5,237	06/23/91	19:45	9,995
06/09/90	16:10	17,706				06/11/91	16:15	4,375	06/23/91	19:55	43,276
06/09/90	16:40	8,525	04/03/91	21:35	1,780	06/11/91	16:20	3,724	06/23/91	20:05	32,283
			04/03/91	21:40	2,411	06/11/91	16:25	3,075	06/23/91	20:10	25,930
06/14/90	13:45	4,433	04/03/91	21:50	3,044	06/11/91	16:30	2,629	06/23/91	20:15	22,220
06/14/90	14:00	39,500	04/03/91	22:20	3,930	06/11/91	16:35	2,205	06/23/91	20:20	18,226
06/14/90	14:15	25,925	04/03/91	23:20	2,819	06/11/91	16:50	1,554	06/23/91	20:25	16,215
06/14/90	14:30	10,074	04/04/91	00:20	2,205	06/11/91	17:05	1,352	06/23/91	20:30	13,928
06/14/90	14:40	9,155	04/04/91	02:55	3,108	06/11/91	17:20	1,609	06/23/91	20:35	12,179
06/14/90	15:00	5,652	04/04/91	03:55	1,982	06/11/91	17:35	1,441	06/23/91	20:40	11,417
06/14/90	17:05	629	04/04/91	04:55	1,337	06/11/91	17:50	1,262	06/23/91	20:55	8,749
06/14/90	17:50	4,326	04/04/91	05:55	1,306	06/11/91	18:05	784	06/23/91	21:25	6,083
06/14/90	18:05	31,227	04/04/91	06:55	1,105	06/11/91	18:20	547	06/23/91	22:10	3,753
06/14/90	18:20	18,019	04/04/91	07:55	984	06/11/91	18:30	511	06/23/91	22:40	3,071
06/14/90	18:35	6,015	04/04/91	08:45	2,470	06/11/91	18:35	537	06/23/91	23:40	1,535
			04/04/91	10:50	1,007	06/11/91	18:50	600			
06/22/90	02:20	12,515	04/04/91	12:25	632	06/11/91	19:05	571	08/09/91	02:45	8,396
06/22/90	02:55	94,954				06/11/91	19:20	456	08/09/91	02:50	20,546
06/22/90	03:30	53,653				06/11/91	19:35	393	08/09/91	02:55	15,478
06/22/90	04:05	37,125	04/27/91	05:50	127				08/09/91	03:00	18,769
06/22/90	05:10	21,098	04/27/91	06:00	594				08/09/91	03:05	23,896
06/22/90	06:15	10,655	04/27/91	06:30	2,520	06/12/91	14:05	219	08/09/91	03:10	19,606
06/22/90	07:25	2,561	04/27/91	07:00	2,586				08/09/91	03:15	15,892
			04/27/91	08:00	1,482	06/15/91	13:55	735	08/09/91	03:20	13,258
07/11/90	22:25	5,677	04/27/91	09:00	1,848	06/15/91	14:05	1,024	08/09/91	03:25	11,370
07/11/90	22:40	15,062	04/27/91	10:00	935	06/15/91	14:15	3,542	08/09/91	03:30	9,951
07/11/90	22:55	19,026	04/27/91	11:00	1,154	06/15/91	20:00	3,527	08/09/91	03:35	8,609
07/11/90	23:10	15,057	04/27/91	12:00	1,827	06/15/91	20:10	3,931	08/09/91	03:40	10,950
			04/27/91	13:00	2,470	06/15/91	20:20	3,822	08/09/91	03:55	17,544
07/12/90	08:50	4,498	04/27/91	16:00	346	06/15/91	20:30	4,014	08/09/91	04:10	14,797
07/12/90	09:00	4,792				06/15/91	21:15	6,682	08/09/91	04:25	11,925
			04/28/91	01:40	270				08/09/91	04:40	9,357
10/03/90	21:15	2,810	04/28/91	02:40	351	06/22/91	15:05	777	08/09/91	04:55	7,814
10/03/90	21:45	909	04/28/91	03:40	324	06/22/91	15:10	10,370	08/09/91	05:10	6,914
10/03/90	22:00	837	04/28/91	04:40	422	06/22/91	15:15	53,468	08/09/91	05:25	5,025
			04/28/91	05:40	2,383	06/22/91	15:20	47,802			

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
08/09/91	05:40	3,220	02/25/92	19:15	698	04/20/92	07:40	5,530	05/29/92	11:55	8,510
08/09/91	05:55	3,037	02/25/92	19:20	773	04/20/92	08:15	4,550	05/29/92	12:00	8,522
08/09/91	06:10	2,433	02/25/92	19:25	733	04/20/92	08:40	6,017	05/29/92	12:05	8,047
08/09/91	06:25	1,991	02/25/92	19:30	680	04/20/92	08:45	8,180	05/29/92	12:10	7,600
08/09/91	06:40	1,719				04/20/92	08:50	7,309	05/29/92	12:15	7,338
			03/18/92	02:35	1,811	04/20/92	08:55	6,341	05/29/92	12:20	6,649
02/17/92	20:00	5,460	03/18/92	02:40	2,676	04/20/92	09:00	7,810	05/29/92	12:25	6,690
02/17/92	20:05	5,221	03/18/92	02:45	3,440	04/20/92	09:05	6,302	05/29/92	12:30	6,138
02/17/92	20:10	6,517	03/18/92	02:50	3,795	04/20/92	09:10	6,103	05/29/92	12:35	5,944
02/17/92	20:15	8,420	03/18/92	02:55	5,153	04/20/92	09:20	1,937	05/29/92	12:45	4,920
02/17/92	20:20	5,142	03/18/92	03:00	6,140	04/20/92	09:25	7,326	05/29/92	17:00	1,020
02/17/92	20:25	6,677	03/18/92	03:05	9,492	04/20/92	09:30	6,570	05/29/92	17:05	819
02/17/92	20:30	6,870	03/18/92	03:10	8,327	04/20/92	09:35	5,195	05/29/92	17:10	883
02/17/92	20:35	6,282	03/18/92	03:15	11,900	04/20/92	09:40	5,795			
02/17/92	20:40	5,133	03/18/92	03:20	17,489	04/20/92	09:45	5,390	06/03/92	03:00	4,930
02/17/92	20:50	3,956	03/18/92	03:30	11,169	04/20/92	09:50	4,733	06/03/92	03:05	6,070
02/17/92	20:55	3,734	03/18/92	03:40	5,910	04/20/92	09:55	4,990	06/03/92	03:10	6,502
02/17/92	21:00	2,640	03/18/92	03:45	4,300	04/20/92	10:00	5,200	06/03/92	03:15	5,970
02/17/92	21:05	2,750	03/18/92	03:50	3,897	04/20/92	10:05	8,914	06/03/92	03:20	5,848
02/17/92	21:10	2,262	03/18/92	03:55	4,970				06/03/92	03:25	5,639
02/17/92	21:20	1,933	03/18/92	04:00	2,855	05/29/92	08:20	3,060	06/03/92	03:30	3,850
02/17/92	21:25	1,830	03/18/92	04:05	2,324	05/29/92	08:25	47,667	06/03/92	03:35	4,434
02/17/92	21:30	3,600	03/18/92	04:10	2,350	05/29/92	08:30	24,557	06/03/92	03:40	3,655
02/17/92	21:35	1,762	03/18/92	04:15	1,850	05/29/92	08:35	51,500	06/03/92	03:45	3,630
02/17/92	21:40	5,658	03/18/92	04:25	1,572	05/29/92	08:40	40,241	06/03/92	03:50	3,453
02/17/92	21:45	1,050	03/18/92	04:35	1,390	05/29/92	08:45	29,900	06/03/92	03:55	4,407
02/17/92	21:50	1,075	03/18/92	04:40	1,450	05/29/92	08:50	23,300	06/03/92	04:00	5,240
02/17/92	21:55	915	03/18/92	04:45	1,300	05/29/92	08:55	19,065	06/03/92	04:05	7,054
02/17/92	22:40	568	03/18/92	04:50	1,447	05/29/92	09:00	16,067	06/03/92	04:10	8,377
02/17/92	22:45	526	03/18/92	04:55	1,859	05/29/92	09:05	14,200	06/03/92	04:15	7,880
02/17/92	22:50	537	03/18/92	05:00	1,240	05/29/92	09:10	28,216	06/03/92	04:20	8,058
02/17/92	22:55	494	03/18/92	05:05	1,256	05/29/92	09:15	33,912	06/03/92	04:25	6,882
02/17/92	23:00	450	03/18/92	05:15	1,463	05/29/92	09:20	27,500	06/03/92	04:30	5,530
02/17/92	23:05	413	03/18/92	05:20	1,430	05/29/92	09:25	21,898	06/03/92	04:35	4,862
02/17/92	23:10	393	03/18/92	05:25	1,646	05/29/92	09:30	18,949	06/03/92	04:40	4,471
02/17/92	23:15	388	03/18/92	05:30	1,849	05/29/92	09:35	13,300	06/03/92	04:45	7,180
02/17/92	23:20	455	03/18/92	05:35	1,450	05/29/92	09:40	10,655	06/03/92	05:00	53,100
			03/18/92	05:40	1,880	05/29/92	09:45	8,897	06/03/92	05:05	42,116
02/18/92	11:10	2,740	03/18/92	05:45	1,818	05/29/92	09:50	6,760	06/03/92	05:10	34,069
02/18/92	17:00	69	03/18/92	05:50	7,170	05/29/92	09:55	11,955	06/03/92	05:15	29,100
						05/29/92	10:00	5,859	06/03/92	05:20	28,153
02/25/92	17:35	677	04/20/92	05:50	1,920	05/29/92	10:05	7,360	06/03/92	05:25	27,631
02/25/92	17:45	1,585	04/20/92	05:55	3,030	05/29/92	10:10	54,675	06/03/92	05:30	25,600
02/25/92	17:50	2,476	04/20/92	06:00	4,171	05/29/92	10:15	56,665	06/03/92	05:35	25,805
02/25/92	17:55	1,127	04/20/92	06:05	12,262	05/29/92	10:40	18,200	06/03/92	05:40	31,555
02/25/92	18:05	4,113	04/20/92	06:10	12,400	05/29/92	10:45	15,890	06/03/92	05:45	25,300
02/25/92	18:10	3,688	04/20/92	06:25	20,400	05/29/92	10:50	15,172	06/03/92	05:50	24,213
02/25/92	18:15	3,250	04/20/92	06:30	20,245	05/29/92	10:55	13,400	06/03/92	05:55	24,441
02/25/92	18:20	2,830	04/20/92	06:35	16,917	05/29/92	11:00	12,664	06/03/92	06:00	22,300
02/25/92	18:25	2,315	04/20/92	06:40	13,400	05/29/92	11:05	11,860	06/03/92	06:05	22,775
02/25/92	18:30	39,800	04/20/92	06:50	10,521	05/29/92	11:10	10,900	06/03/92	06:10	22,034
02/25/92	18:35	1,712	04/20/92	06:55	10,400	05/29/92	11:15	9,235	06/03/92	06:15	24,800
02/25/92	18:40	1,426	04/20/92	07:00	9,234	05/29/92	11:20	10,730	06/03/92	06:20	22,037
02/25/92	18:45	1,310	04/20/92	07:05	6,907	05/29/92	11:25	10,500	06/03/92	06:25	20,986
02/25/92	18:50	1,184	04/20/92	07:10	7,570	05/29/92	11:30	10,009	06/03/92	06:30	18,100
02/25/92	18:55	1,100	04/20/92	07:15	6,788	05/29/92	11:35	9,994	06/03/92	06:35	16,410
02/25/92	19:00	870	04/20/92	07:20	6,567	05/29/92	11:40	9,470	06/03/92	06:45	14,300
02/25/92	19:05	948	04/20/92	07:25	6,940	05/29/92	11:45	9,836	06/03/92	06:50	13,885
02/25/92	19:10	883	04/20/92	07:35	6,017	05/29/92	11:50	9,353	06/03/92	06:55	13,458

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
06/03/92	08:00	15,200	06/26/92	03:35	3,500	08/23/92	12:40	628	09/17/92	19:30	2,380
06/03/92	08:05	14,432	06/26/92	03:40	2,724	08/23/92	12:45	153	09/17/92	19:35	2,666
06/03/92	08:10	13,939	06/26/92	03:45	2,553	08/23/92	12:50	178	09/17/92	19:40	2,270
06/03/92	08:15	12,600	06/26/92	03:50	3,360	08/23/92	12:55	281	09/17/92	19:45	2,200
06/03/92	08:20	12,077				08/23/92	13:00	235	09/17/92	19:50	1,465
06/03/92	08:25	11,921	07/05/92	23:50	2,310	08/23/92	13:05	1,116	09/17/92	19:55	1,099
06/03/92	08:30	12,400	07/05/92	23:55	4,021	08/23/92	13:10	1,006	09/17/92	20:00	542
06/03/92	08:35	12,583	07/05/92	24:00	6,138	08/23/92	13:15	810	09/17/92	20:05	994
06/03/92	08:40	12,480	07/06/92	00:05	10,600	08/23/92	13:20	690	09/17/92	20:10	836
06/03/92	08:45	13,600	07/06/92	00:10	14,290	08/23/92	13:25	576	09/17/92	20:20	647
06/03/92	08:50	13,180	07/06/92	00:15	18,489	08/23/92	13:30	975	09/17/92	20:25	591
06/03/92	08:55	12,656	07/06/92	00:20	16,700	08/23/92	13:35	1,770			
06/03/92	09:00	13,900	07/06/92	00:25	13,863	08/23/92	13:40	1,989	09/21/92	16:40	168
06/03/92	09:05	12,472	07/06/92	00:30	11,221	08/23/92	13:45	1,690	09/21/92	16:45	74
06/03/92	09:10	12,228	07/06/92	00:35	10,300	08/23/92	13:50	2,285	09/21/92	16:50	86
06/03/92	09:15	11,200	07/06/92	00:40	8,187	08/23/92	13:55	3,340	09/21/92	17:45	6,350
06/03/92	09:20	8,996	07/06/92	00:45	6,534	08/23/92	14:00	3,180			
06/03/92	09:25	8,299	07/06/92	00:50	6,260	08/23/92	14:05	2,766	09/22/92	02:15	298
06/03/92	09:30	8,170	07/06/92	00:55	5,604	08/23/92	14:10	3,332	09/22/92	02:20	455
06/03/92	09:35	6,568	07/06/92	01:00	2,774	08/23/92	14:15	6,170	09/22/92	02:25	505
06/03/92	09:40	6,131	07/06/92	01:05	4,200	08/23/92	14:20	7,037	09/22/92	02:30	621
06/03/92	09:45	5,350	07/06/92	01:10	7,267	08/23/92	14:25	6,281	09/22/92	02:35	979
06/03/92	09:50	6,379	07/06/92	01:15	4,477				09/22/92	02:40	2,395
06/03/92	09:55	5,050	07/06/92	01:20	4,000	08/27/92	11:35	154	09/22/92	02:45	2,570
06/03/92	10:00	5,520	07/06/92	01:25	4,231	08/27/92	11:40	150	09/22/92	02:50	4,554
06/03/92	10:05	4,750	07/06/92	01:30	4,494	08/27/92	11:45	353	09/22/92	02:55	4,328
06/03/92	10:10	4,160	07/06/92	01:40	4,250	08/27/92	11:50	619	09/22/92	03:00	3,580
			07/06/92	01:45	5,155	08/27/92	11:55	1,019	09/22/92	03:05	3,023
06/10/92	20:40	3,740				08/27/92	12:00	1,588	09/22/92	03:10	2,656
06/10/92	20:45	4,417	07/17/92	04:00	1,070	08/27/92	12:05	1,780	09/22/92	03:15	2,080
06/10/92	20:50	4,703	07/17/92	04:05	2,143	08/27/92	12:10	2,009	09/22/92	03:20	1,913
06/10/92	20:55	9,061	07/17/92	04:10	2,446	08/27/92	12:15	1,844	09/22/92	03:25	1,707
06/10/92	21:00	4,637	07/17/92	04:15	2,340	08/27/92	12:20	3,010	09/22/92	03:30	1,700
06/10/92	21:05	4,104	07/17/92	04:20	3,670	08/27/92	12:25	6,087	09/22/92	03:35	1,679
06/10/92	21:10	4,130	07/17/92	04:25	5,536	08/27/92	12:30	4,959	09/22/92	03:40	1,552
06/10/92	21:15	4,641	07/17/92	04:30	5,970	08/27/92	12:35	4,060	09/22/92	03:45	1,450
06/10/92	21:20	5,211	07/17/92	04:35	5,930	08/27/92	12:40	3,478	09/22/92	03:50	553
06/10/92	21:25	6,900	07/17/92	04:40	8,176	08/27/92	12:45	3,020	09/22/92	03:55	1,629
06/10/92	21:30	6,897	07/17/92	04:45	9,610	08/27/92	12:50	2,210	09/22/92	04:00	1,240
06/10/92	21:35	5,931	07/17/92	04:50	9,795	08/27/92	12:55	2,130	09/22/92	04:05	1,110
06/10/92	21:40	4,870	07/17/92	04:55	11,497	08/27/92	13:00	1,810	09/22/92	04:10	1,082
06/10/92	21:45	4,915	07/17/92	05:00	10,200	08/27/92	13:05	1,380	09/22/92	04:25	1,016
06/10/92	21:50	5,246	07/17/92	05:05	9,271	08/27/92	13:10	1,432	09/22/92	04:30	977
06/10/92	21:55	4,170	07/17/92	05:10	7,353	08/27/92	13:15	1,254	09/22/92	04:35	924
06/10/92	22:00	4,301	07/17/92	05:15	8,550	08/27/92	13:20	957	09/22/92	04:40	915
06/10/92	22:05	4,236	07/17/92	05:20	6,468	08/27/92	13:25	1,052	09/22/92	04:45	879
06/10/92	22:10	4,190	07/17/92	05:25	5,817	08/27/92	13:30	982	09/22/92	04:50	835
06/10/92	22:15	3,587	07/17/92	05:30	4,940				09/22/92	04:55	830
06/10/92	22:20	3,186	07/17/92	05:35	4,552	09/17/92	18:35	95	09/22/92	05:00	828
06/10/92	22:25	2,370	07/17/92	05:40	4,257	09/17/92	18:40	104	09/22/92	05:05	724
06/10/92	22:30	967	07/17/92	05:45	3,920	09/17/92	18:45	135	09/22/92	05:10	774
06/10/92	22:35	960	07/17/92	05:50	3,678	09/17/92	18:50	158	09/22/92	05:15	742
			07/17/92	05:55	3,369	09/17/92	18:55	325	09/22/92	05:20	680
06/26/92	03:05	1,590				09/17/92	19:00	453	09/22/92	05:25	705
06/26/92	03:10	3,081	07/27/92	02:50	3,286	09/17/92	19:05	1,665	09/22/92	05:30	687
06/26/92	03:15	3,116	07/27/92	04:45	1,755	09/17/92	19:10	2,187	09/22/92	05:35	631
06/26/92	03:20	2,950				09/17/92	19:15	1,730	09/22/92	05:40	639
06/26/92	03:25	2,523	08/23/92	12:30	861	09/17/92	19:20	2,727	09/22/92	05:45	607
06/26/92	03:30	3,102	08/23/92	12:35	139	09/17/92	19:25	671	09/22/92	05:50	552

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
09/22/92	05:55	535	10/30/92	09:25	522	10/30/92	14:55	99	11/12/92	08:45	784
09/22/92	06:00	506	10/30/92	09:30	539	10/30/92	15:00	102	11/12/92	08:50	806
09/22/92	06:05	455	10/30/92	09:35	459	10/30/92	15:05	100	11/12/92	08:55	733
09/22/92	06:10	463	10/30/92	09:40	570	10/30/92	15:10	95	11/12/92	09:05	702
09/22/92	06:15	426	10/30/92	09:45	609	10/30/92	15:15	103	11/12/92	09:10	776
09/22/92	06:20	397	10/30/92	09:50	450	10/30/92	15:20	99	11/12/92	09:15	798
09/22/92	06:30	129	10/30/92	09:55	534	10/30/92	15:25	85	11/12/92	09:20	921
09/22/92	06:35	337	10/30/92	10:00	424	10/30/92	15:30	82	11/12/92	09:25	988
09/22/92	06:40	338	10/30/92	10:05	440				11/12/92	09:30	1,083
09/22/92	06:45	329	10/30/92	10:10	481	10/31/92	11:55	38	11/12/92	09:35	1,172
09/22/92	06:50	288	10/30/92	10:15	453				11/12/92	09:40	1,228
09/22/92	06:55	299	10/30/92	10:20	356	11/01/92	12:45	107	11/12/92	09:45	1,291
09/22/92	07:00	296	10/30/92	10:25	442	11/01/92	13:15	152	11/12/92	09:50	1,508
09/22/92	07:05	261	10/30/92	10:30	447				11/12/92	09:55	1,434
09/22/92	07:10	260	10/30/92	10:35	315	11/03/92	21:40	75	11/12/92	10:00	1,508
09/22/92	07:15	244	10/30/92	10:40	420	11/03/92	21:45	75	11/12/92	10:05	1,593
09/22/92	07:20	210	10/30/92	10:45	407	11/03/92	21:55	90	11/12/92	10:10	1,592
09/22/92	07:25	232	10/30/92	10:50	334	11/03/92	22:00	133	11/12/92	10:15	1,555
09/22/92	07:30	209	10/30/92	10:55	403	11/03/92	22:05	286	11/12/92	10:20	1,595
09/22/92	07:35	189	10/30/92	11:00	408	11/03/92	22:10	321	11/12/92	10:25	1,542
09/22/92	07:40	208	10/30/92	11:05	378	11/03/92	22:15	364			
09/22/92	07:45	184	10/30/92	11:10	359	11/03/92	22:20	281	11/20/92	17:25	40
09/22/92	07:50	183	10/30/92	11:15	336	11/03/92	22:25	296	11/20/92	17:30	42
09/22/92	07:55	171	10/30/92	11:25	225	11/03/92	22:30	310	11/20/92	17:35	36
09/22/92	08:00	248	10/30/92	11:30	290	11/03/92	22:35	491	11/20/92	17:40	37
09/22/92	08:05	17	10/30/92	11:35	215	11/03/92	22:40	475	11/20/92	17:45	50
09/22/92	08:10	161	10/30/92	11:40	281	11/03/92	22:45	591	11/20/92	17:50	49
09/22/92	08:15	153	10/30/92	11:45	259	11/03/92	22:50	638	11/20/92	17:55	98
09/22/92	08:20	125	10/30/92	11:50	247	11/03/92	22:55	624	11/20/92	19:55	233
09/22/92	08:25	146	10/30/92	11:55	175	11/03/92	23:00	593	11/20/92	20:00	428
09/22/92	08:30	142	10/30/92	12:00	240	11/03/92	23:05	595	11/20/92	20:05	271
09/22/92	08:35	133	10/30/92	12:05	203	11/03/92	23:10	574	11/20/92	20:10	475
			10/30/92	12:10	154	11/03/92	23:15	490	11/20/92	20:15	593
10/26/92	09:30	50	10/30/92	12:15	189	11/03/92	23:20	432	11/20/92	20:20	631
			10/30/92	12:20	221	11/03/92	23:25	461	11/20/92	20:25	632
10/30/92	06:55	63	10/30/92	12:25	192	11/03/92	23:30	444	11/20/92	20:30	669
10/30/92	07:00	46	10/30/92	12:30	209	11/03/92	23:35	419	11/20/92	20:35	636
10/30/92	07:05	50	10/30/92	12:35	165				11/20/92	20:40	671
10/30/92	07:10	61	10/30/92	12:40	767	11/12/92	07:00	50	11/20/92	20:45	641
10/30/92	07:15	64	10/30/92	12:45	170	11/12/92	07:05	46	11/20/92	20:50	664
10/30/92	07:20	68	10/30/92	12:50	168	11/12/92	07:10	49	11/20/92	20:55	605
10/30/92	07:25	78	10/30/92	12:55	170	11/12/92	07:15	46	11/20/92	21:00	679
10/30/92	07:30	98	10/30/92	13:00	194	11/12/92	07:20	62	11/20/92	21:05	512
10/30/92	07:35	112	10/30/92	13:05	181	11/12/92	07:25	68	11/20/92	21:10	656
10/30/92	07:40	227	10/30/92	13:10	192	11/12/92	07:30	76	11/20/92	21:15	720
10/30/92	07:45	1,328	10/30/92	13:15	180	11/12/92	07:35	90	11/20/92	21:20	659
10/30/92	07:50	1,780	10/30/92	13:50	134	11/12/92	07:40	122	11/20/92	21:25	395
10/30/92	07:55	1,290	10/30/92	13:55	144	11/12/92	07:45	144	11/20/92	21:30	682
10/30/92	08:00	1,815	10/30/92	14:00	127	11/12/92	07:50	129	11/20/92	21:35	520
10/30/92	08:05	1,634	10/30/92	14:05	153	11/12/92	07:55	292	11/20/92	21:40	664
10/30/92	08:10	1,090	10/30/92	14:10	132	11/12/92	08:00	706	11/20/92	21:45	643
10/30/92	08:15	1,255	10/30/92	14:15	133	11/12/92	08:05	890	11/20/92	21:50	696
10/30/92	08:20	1,061	10/30/92	14:20	131	11/12/92	08:10	672			
10/30/92	08:25	826	10/30/92	14:25	105	11/12/92	08:15	374	11/22/92	03:35	195
10/30/92	08:30	800	10/30/92	14:30	90	11/12/92	08:20	344	11/22/92	03:40	210
10/30/92	08:35	723	10/30/92	14:35	107	11/12/92	08:25	329	11/22/92	03:45	227
10/30/92	08:40	704	10/30/92	14:40	88	11/12/92	08:30	462	11/22/92	03:50	541
10/30/92	08:45	652	10/30/92	14:45	110	11/12/92	08:35	313	11/22/92	03:55	1,175
10/30/92	08:50	623	10/30/92	14:50	106	11/12/92	08:40	698	11/22/92	04:00	1,683

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
11/22/92	04:05	4,645	12/09/92	17:20	561	02/11/93	05:35	81	04/09/93	05:00	1,460
11/22/92	04:10	4,348	12/09/92	17:25	566	02/11/93	06:40	143	04/09/93	05:05	1,523
11/22/92	04:15	4,960	12/09/92	17:30	574	02/11/93	05:45	157	04/09/93	05:10	1,721
11/22/92	04:20	6,477	12/09/92	17:35	548	02/11/93	05:50	87	04/09/93	05:15	1,898
11/22/92	04:25	6,940	12/09/92	17:40	572	02/11/93	05:55	130	04/09/93	05:20	1,972
11/22/92	04:30	6,792	12/09/92	17:45	603	02/11/93	06:00	172	04/09/93	05:25	2,075
11/22/92	04:35	6,651	12/09/92	17:50	555	02/11/93	06:05	169	04/09/93	05:30	2,115
11/22/92	04:40	6,122	12/09/92	17:55	511	02/11/93	06:10	183	04/09/93	05:35	2,187
11/22/92	04:45	5,561	12/09/92	18:00	517	02/11/93	06:15	174	04/09/93	05:40	2,355
11/22/92	04:50	4,855	12/09/92	19:15	88	02/11/93	06:20	153	04/09/93	10:50	692
11/22/92	04:55	4,194	12/09/92	19:20	160	02/11/93	06:25	143	04/09/93	10:55	266
11/22/92	05:00	3,954	12/09/92	19:25	150	02/11/93	06:30	182	04/09/93	11:00	260
11/22/92	05:05	3,679	12/09/92	19:30	124	02/11/93	06:35	183	04/09/93	11:05	243
11/22/92	05:10	3,424	12/09/92	19:35	111	02/11/93	06:40	186	04/09/93	11:10	248
11/22/92	05:15	2,945	12/09/92	19:40	110	02/11/93	06:45	222	04/09/93	11:15	241
11/22/92	05:20	2,640	12/09/92	19:45	116				04/09/93	11:20	231
11/22/92	05:25	2,869	12/09/92	19:50	103	02/21/93	07:40	1,361	04/09/93	11:25	188
11/22/92	05:30	2,772	12/09/92	20:05	178	02/21/93	07:45	1,265	04/09/93	11:30	217
11/22/92	12:10	92	12/09/92	20:10	432	02/21/93	07:50	1,196	04/09/93	11:35	161
11/22/92	15:10	137	12/09/92	20:15	413	02/21/93	07:55	1,088	04/09/93	11:40	214
			12/09/92	20:20	380	02/21/93	08:00	1,017	04/09/93	11:45	219
12/09/92	13:55	96	12/09/92	20:25	309	02/21/93	08:05	979	04/09/93	11:50	216
12/09/92	14:00	73	12/09/92	20:30	361	02/21/93	08:10	925	04/09/93	11:55	210
12/09/92	14:05	157	12/09/92	20:35	295	02/21/93	08:15	847	04/09/93	12:00	178
12/09/92	14:10	301	12/09/92	20:40	282	02/21/93	08:20	803	04/09/93	12:05	217
12/09/92	14:20	592	12/09/92	20:45	257	02/21/93	08:25	538	04/09/93	12:10	217
12/09/92	14:25	1,174	12/09/92	20:50	351	02/21/93	08:30	752	04/09/93	12:15	217
12/09/92	14:30	817	12/09/92	20:55	310	02/21/93	08:35	582	04/09/93	12:20	189
12/09/92	14:35	1,421	12/09/92	21:00	212	02/21/93	08:40	695	04/09/93	12:25	174
12/09/92	14:40	1,736	12/09/92	21:05	248	02/21/93	08:45	599	04/09/93	12:30	205
12/09/92	14:45	1,818	12/09/92	21:10	227	02/21/93	08:50	604	04/09/93	12:35	146
12/09/92	14:50	1,839	12/09/92	21:15	357	02/21/93	08:55	541	04/09/93	12:40	200
12/09/92	14:55	1,792	12/09/92	21:20	451	02/21/93	09:00	506	04/09/93	12:45	211
12/09/92	15:00	1,753	12/09/92	21:25	314	02/21/93	09:05	555	04/09/93	13:10	193
12/09/92	15:05	1,745	12/09/92	21:30	488	02/21/93	09:10	511	04/09/93	13:15	150
12/09/92	15:10	1,648	12/09/92	21:35	338	02/21/93	09:15	497	04/09/93	13:25	173
12/09/92	15:15	1,436	12/09/92	21:40	255	02/21/93	09:25	393	04/09/93	13:30	142
12/09/92	15:20	1,680	12/09/92	21:45	239	02/21/93	09:55	329	04/09/93	13:35	166
12/09/92	15:25	1,475	12/09/92	21:50	311	02/21/93	10:30	268	04/09/93	13:40	151
12/09/92	15:30	1,374	12/09/92	21:55	142	02/21/93	19:20	519	04/09/93	13:45	160
12/09/92	15:35	1,377	12/09/92	22:00	165	02/21/93	19:25	464	04/09/93	13:50	157
12/09/92	15:40	1,312	12/09/92	22:05	152	02/21/93	19:30	492	04/09/93	13:55	153
12/09/92	15:45	1,260	12/09/92	23:50	347	02/21/93	19:35	453	04/09/93	14:00	153
12/09/92	15:50	1,187	12/09/92	23:55	290				04/09/93	14:05	138
12/09/92	16:05	1,379	12/10/92	00:00	228	04/09/93	03:45	137	04/09/93	14:10	153
12/09/92	16:10	961	12/10/92	00:05	317	04/09/93	03:50	149	04/09/93	14:15	157
12/09/92	16:15	812	12/10/92	00:10	389	04/09/93	03:55	154	04/09/93	14:20	149
12/09/92	16:20	878	12/10/92	00:15	396	04/09/93	04:00	166	04/09/93	14:25	127
12/09/92	16:25	866	12/10/92	00:20	329	04/09/93	04:05	207	04/09/93	14:30	142
12/09/92	16:30	795				04/09/93	04:10	227	04/09/93	14:35	147
12/09/92	16:35	706	02/11/93	04:50	315	04/09/93	04:15	233	04/09/93	14:40	129
12/09/92	16:40	673	02/11/93	04:55	294	04/09/93	04:20	276	04/09/93	14:45	143
12/09/92	16:45	683	02/11/93	05:00	175	04/09/93	04:25	367	04/09/93	14:50	135
12/09/92	16:50	524	02/11/93	05:05	203	04/09/93	04:30	518	04/09/93	14:55	150
12/09/92	16:55	595	02/11/93	05:10	162	04/09/93	04:35	845	04/09/93	15:00	150
12/09/92	17:00	590	02/11/93	05:15	88	04/09/93	04:40	1,145	04/09/93	15:05	153
12/09/92	17:05	517	02/11/93	05:20	108	04/09/93	04:45	1,381			
12/09/92	17:10	543	02/11/93	05:25	112	04/09/93	04:50	1,429	04/13/93	13:30	32
12/09/92	17:15	563	02/11/93	05:30	133	04/09/93	04:55	1,433			

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
04/14/93	21:50	3,830	04/15/93	02:50	254	05/28/93	16:25	377	07/22/93	18:55	708
04/14/93	21:55	1,534	04/15/93	02:55	301	05/28/93	16:30	324	07/22/93	19:00	605
04/14/93	22:00	1,014	04/15/93	03:00	252	05/28/93	16:35	484	07/22/93	19:05	550
04/14/93	22:05	3,275	04/15/93	03:05	287	05/28/93	16:40	1,769	07/22/93	19:10	509
04/14/93	22:10	3,721	04/15/93	03:10	292	05/28/93	16:45	5,732	07/22/93	19:15	459
04/14/93	22:15	3,081	04/15/93	03:15	261	05/28/93	16:50	6,378			
04/14/93	22:20	2,548	04/15/93	03:20	282	05/28/93	16:55	5,893	08/02/93	01:05	353
04/14/93	22:25	2,213	04/15/93	03:25	300	05/28/93	17:00	5,064	08/02/93	01:10	863
04/14/93	22:30	1,915	04/15/93	03:30	291	05/28/93	17:05	3,894	08/02/93	01:15	720
04/14/93	22:35	1,589	04/15/93	03:35	296	05/28/93	17:10	2,922	08/02/93	01:20	502
04/14/93	22:40	1,278	04/15/93	03:40	303	05/28/93	17:15	2,259	08/02/93	01:25	1,217
04/14/93	22:45	1,201	04/15/93	03:45	295	05/28/93	17:20	1,740	08/02/93	01:30	3,941
04/14/93	22:50	987	04/15/93	03:50	250	05/28/93	17:25	1,369	08/02/93	01:35	4,303
04/14/93	22:55	845	04/15/93	03:55	238	05/28/93	17:30	1,155	08/02/93	01:40	3,651
04/14/93	23:00	718	04/15/93	04:00	266	05/28/93	17:35	1,017	08/02/93	01:45	2,710
04/14/93	23:05	717	04/15/93	04:05	254	05/28/93	17:40	899	08/02/93	01:50	2,358
04/14/93	23:10	606	04/15/93	04:10	270	05/28/93	17:45	843	08/02/93	01:55	2,170
04/14/93	23:15	581	04/15/93	04:15	236	05/28/93	17:50	737	08/02/93	02:00	1,926
04/14/93	23:20	536	04/15/93	04:20	179	05/28/93	17:55	712	08/02/93	02:05	1,655
04/14/93	23:25	517	04/15/93	04:25	221	05/28/93	18:00	641	08/02/93	02:10	1,603
04/14/93	23:30	513	04/15/93	04:30	236	05/28/93	18:05	588	08/02/93	02:15	1,428
04/14/93	23:35	473	04/15/93	04:35	228	05/28/93	18:10	543	08/02/93	02:20	1,294
04/14/93	23:40	472	04/15/93	04:40	208	05/28/93	18:15	519	08/02/93	02:25	1,196
04/14/93	23:45	460	04/15/93	04:45	216	05/28/93	18:20	479	08/02/93	02:30	1,016
04/14/93	23:50	431	04/15/93	04:50	177	05/28/93	18:25	470	08/02/93	02:35	900
04/14/93	23:55	411	04/15/93	04:55	169	05/28/93	18:30	415	08/02/93	02:40	859
04/15/93	00:00	399	04/15/93	05:00	199	05/28/93	18:35	410	08/02/93	02:45	718
04/15/93	00:05	1,399	04/15/93	05:05	170	05/28/93	18:40	397	08/02/93	02:50	655
04/15/93	00:10	367	04/15/93	05:10	191	05/28/93	18:45	370	08/02/93	02:55	589
04/15/93	00:15	361	04/15/93	05:15	201	05/28/93	18:50	347	08/02/93	03:00	536
04/15/93	00:20	347	04/15/93	05:20	203	05/28/93	18:55	338	08/02/93	04:15	225
04/15/93	00:25	334	04/15/93	05:25	192	05/28/93	19:00	302	08/02/93	04:20	195
04/15/93	00:30	333	04/15/93	05:30	145	05/28/93	19:05	305	08/02/93	04:25	194
04/15/93	00:35	406				05/28/93	19:10	314	08/02/93	04:30	192
04/15/93	00:40	523	04/19/93	10:25	27	05/28/93	19:15	299	08/02/93	04:35	168
04/15/93	00:45	631				05/28/93	19:20	264	08/02/93	04:40	165
04/15/93	00:50	736	04/21/93	10:50	23	05/28/93	19:25	272	08/02/93	04:45	152
04/15/93	00:55	823				05/28/93	19:30	270	08/02/93	04:50	146
04/15/93	01:00	822	04/28/93	14:25	26	05/28/93	21:00	126	08/02/93	04:55	149
04/15/93	01:05	761							08/02/93	05:00	134
04/15/93	01:10	769	05/18/93	18:50	187	07/22/93	17:20	345	08/02/93	05:05	133
04/15/93	01:15	647	05/18/93	18:55	579	07/22/93	17:25	641	08/02/93	05:10	134
04/15/93	01:20	600	05/18/93	19:00	506	07/22/93	17:30	202	08/02/93	05:15	123
04/15/93	01:25	537	05/18/93	19:05	950	07/22/93	17:35	154	08/02/93	05:20	110
04/15/93	01:30	489	05/18/93	19:10	1,332	07/22/93	17:40	130	08/02/93	05:25	113
04/15/93	01:35	478	05/18/93	19:15	1,741	07/22/93	17:45	176	08/02/93	05:30	110
04/15/93	01:40	427	05/18/93	19:20	1,810	07/22/93	17:50	1,607	08/02/93	05:35	110
04/15/93	01:45	415	05/18/93	19:25	1,588	07/22/93	17:55	2,666	08/02/93	05:40	110
04/15/93	01:55	386	05/18/93	19:30	1,429	07/22/93	18:00	3,139	08/02/93	05:45	91
04/15/93	02:00	353	05/18/93	19:35	1,207	07/22/93	18:05	3,160			
04/15/93	02:05	342	05/18/93	19:40	1,101	07/22/93	18:10	2,922	08/05/93	19:15	712
04/15/93	02:10	339	05/18/93	19:45	984	07/22/93	18:15	2,538	08/05/93	19:20	613
04/15/93	02:15	331	05/18/93	19:55	882	07/22/93	18:20	1,862	08/05/93	19:25	421
04/15/93	02:20	317	05/18/93	20:10	523	07/22/93	18:25	1,678	08/05/93	19:30	1,685
04/15/93	02:25	316	05/18/93	20:15	180	07/22/93	18:30	1,388	08/05/93	19:35	4,818
04/15/93	02:30	333	05/18/93	20:25	152	07/22/93	18:35	1,129	08/05/93	19:40	3,757
04/15/93	02:35	299				07/22/93	18:40	942	08/05/93	19:45	2,842
04/15/93	02:40	309	05/28/93	16:15	876	07/22/93	18:45	856	08/05/93	19:50	2,185
04/15/93	02:45	290	05/28/93	16:20	779	07/22/93	18:50	757	08/05/93	19:55	1,788

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
08/05/93	20:00	1,499	09/24/93	22:15	245	10/19/93	13:40	393	11/14/93	17:20	137
08/05/93	20:05	1,233	09/24/93	22:20	222	10/19/93	13:45	350	11/14/93	17:25	133
08/05/93	20:10	1,045	09/24/93	22:30	185	10/19/93	13:50	326	11/14/93	17:30	131
08/05/93	20:15	903	09/24/93	22:35	159	10/19/93	13:55	306	11/14/93	17:35	129
08/05/93	20:20	799	09/24/93	22:40	151	10/19/93	14:00	293	11/14/93	17:40	122
08/05/93	20:25	722	09/24/93	22:45	136	10/19/93	14:05	264	11/14/93	17:45	118
08/05/93	20:30	629	09/24/93	22:50	138	10/19/93	14:10	258	11/14/93	17:50	107
08/05/93	20:35	595	09/24/93	22:55	147	10/19/93	14:15	247	11/14/93	17:55	103
08/05/93	20:40	551	09/24/93	23:00	129	10/19/93	14:20	235	11/14/93	18:00	102
08/05/93	20:45	505	09/24/93	23:05	109	10/19/93	14:25	231	11/14/93	18:05	97
08/05/93	20:50	456	09/24/93	23:10	111	10/19/93	14:30	223	11/14/93	18:10	88
08/05/93	20:55	425	09/24/93	23:15	94	10/19/93	14:45	195	11/14/93	18:15	83
08/05/93	21:00	391	09/24/93	23:20	111	10/19/93	14:50	190	11/14/93	18:20	84
08/05/93	21:05	348	09/24/93	23:25	85	10/19/93	14:55	188	11/14/93	18:25	87
08/05/93	21:10	332	09/24/93	23:30	93	10/19/93	15:00	172	11/14/93	18:30	79
08/05/93	21:40	232	09/24/93	23:35	80	10/19/93	15:05	168	11/14/93	18:35	76
08/05/93	21:45	203	09/24/93	23:40	77	10/19/93	15:10	158	11/14/93	18:40	73
08/05/93	21:50	185	09/24/93	23:45	78	10/19/93	15:15	148	11/14/93	18:45	67
08/05/93	21:55	190	09/24/93	23:50	78	10/19/93	15:20	146	11/14/93	18:50	73
08/05/93	22:00	173	09/24/93	23:55	61	10/19/93	15:25	141	11/14/93	18:55	63
08/05/93	22:05	165	09/25/93	00:00	65	10/19/93	15:30	138	11/14/93	19:00	56
08/05/93	22:10	167	09/25/93	00:05	61				11/14/93	19:05	59
08/05/93	22:15	133	09/25/93	00:15	71	11/14/93	13:35	306	11/14/93	19:10	59
08/05/93	22:20	153	09/25/93	00:20	74	11/14/93	13:40	163	11/14/93	19:20	60
08/05/93	22:25	153	09/25/93	00:25	73	11/14/93	13:45	157	11/14/93	19:25	53
08/05/93	22:30	155	09/25/93	16:45	364	11/14/93	13:50	159	11/14/93	19:30	54
08/05/93	22:35	131	09/25/93	16:50	395	11/14/93	13:55	156	11/14/93	19:35	54
08/05/93	22:40	108	09/25/93	16:55	343	11/14/93	14:00	183	11/14/93	19:40	56
08/05/93	22:45	147	09/25/93	17:00	383	11/14/93	14:05	545	11/14/93	19:45	55
08/05/93	22:50	148	09/25/93	17:05	432	11/14/93	14:10	525	11/14/93	19:50	58
08/05/93	22:55	150	09/25/93	17:10	479	11/14/93	14:15	633	11/14/93	19:55	52
08/05/93	23:00	146	09/25/93	17:15	498	11/14/93	14:20	733	11/14/93	20:00	48
08/05/93	23:05	155	09/25/93	17:20	341	11/14/93	14:25	725	11/14/93	20:15	47
08/05/93	23:10	121	09/25/93	17:25	517	11/14/93	14:30	719	11/14/93	20:20	46
08/05/93	23:15	148	09/25/93	17:30	519	11/14/93	14:35	610	11/14/93	20:25	46
08/05/93	23:20	149	09/25/93	17:35	490	11/14/93	14:40	528	11/14/93	20:30	47
08/05/93	23:25	159	09/25/93	17:40	458	11/14/93	14:45	431	11/14/93	20:35	46
08/05/93	23:30	156	09/25/93	17:45	432	11/14/93	14:50	367	11/14/93	20:40	49
08/05/93	23:35	131	09/25/93	17:50	316	11/14/93	14:55	299	11/14/93	20:45	47
			09/25/93	17:55	407	11/14/93	15:00	262	11/14/93	20:50	44
09/24/93	20:25	523	09/25/93	18:00	380	11/14/93	15:05	230	11/14/93	20:55	45
09/24/93	20:30	606	09/25/93	18:05	341	11/14/93	15:10	198	11/14/93	21:00	46
09/24/93	20:35	295	09/25/93	18:10	345	11/14/93	15:15	190	11/14/93	21:05	43
09/24/93	20:40	179	09/25/93	18:15	303	11/14/93	15:20	165	11/14/93	21:10	46
09/24/93	20:45	148	09/25/93	18:20	306	11/14/93	15:25	163	11/14/93	21:15	45
09/24/93	20:55	1,821				11/14/93	15:30	145	11/14/93	21:20	46
09/24/93	21:00	1,993	10/19/93	12:35	461	11/14/93	16:15	117	11/14/93	21:25	45
09/24/93	21:05	1,804	10/19/93	12:40	693	11/14/93	16:20	110	11/14/93	21:30	45
09/24/93	21:10	1,277	10/19/93	12:45	194	11/14/93	16:25	119	11/14/93	21:35	45
09/24/93	21:15	1,113	10/19/93	12:50	312	11/14/93	16:30	115	11/14/93	21:40	48
09/24/93	21:30	624	10/19/93	12:55	69	11/14/93	16:35	124	11/14/93	21:45	42
09/24/93	21:35	496	10/19/93	13:00	405	11/14/93	16:40	121	11/14/93	21:50	48
09/24/93	21:40	436	10/19/93	13:05	391	11/14/93	16:45	133	11/14/93	21:55	45
09/24/93	21:45	381	10/19/93	13:10	389	11/14/93	16:50	126	11/14/93	22:00	46
09/24/93	21:50	354	10/19/93	13:15	408	11/14/93	16:55	130	11/14/93	22:05	45
09/24/93	21:55	329	10/19/93	13:20	418	11/14/93	17:00	131	11/14/93	22:10	45
09/24/93	22:00	302	10/19/93	13:25	426	11/14/93	17:05	134			
09/24/93	22:05	284	10/19/93	13:30	434	11/14/93	17:10	135	11/16/93	15:40	90
09/24/93	22:10	267	10/19/93	13:35	421	11/14/93	17:15	136	11/16/93	15:42	96

Table 8. Suspended-sediment data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)	Date	Time	Sedi- ment sus- pended (mg/L)
11/16/93	15:43	104	11/16/93	19:35	60	03/24/94	10:05	252	06/09/94	15:20	1,435
11/16/93	15:45	105	11/16/93	19:40	62	03/24/94	10:10	211	06/09/94	15:25	1,523
11/16/93	15:46	102	11/16/93	19:45	55	03/24/94	10:15	216	06/09/94	15:30	1,603
11/16/93	15:48	106	11/16/93	19:50	55	03/24/94	10:20	204	06/09/94	15:35	1,513
11/16/93	15:49	104	11/16/93	19:55	57	03/24/94	10:25	177	06/09/94	15:40	1,357
11/16/93	15:50	102	11/16/93	20:00	53	03/24/94	10:30	163	06/09/94	15:45	1,038
11/16/93	15:52	100	11/16/93	20:05	52	03/24/94	10:35	161	06/09/94	15:50	959
11/16/93	15:54	98	11/16/93	20:10	52	03/24/94	10:40	151	06/09/94	15:55	933
11/16/93	15:55	127	11/16/93	20:15	52	03/24/94	10:45	138	06/09/94	16:00	865
11/16/93	15:57	109	11/16/93	20:20	54	03/24/94	10:50	124	06/09/94	16:05	837
11/16/93	15:58	150	11/16/93	20:25	49	03/24/94	10:55	123	06/09/94	16:10	788
11/16/93	16:00	173	11/16/93	20:30	49	03/24/94	11:00	109	06/09/94	16:15	756
11/16/93	16:01	199	11/16/93	20:35	49	03/24/94	11:05	112	06/09/94	16:20	680
11/16/93	16:03	196	11/16/93	20:40	50	03/24/94	11:10	109	06/09/94	16:25	694
11/16/93	16:04	220	11/16/93	20:45	51	03/24/94	11:15	105	06/09/94	16:30	676
11/16/93	16:06	219	11/16/93	20:50	51	03/24/94	11:25	96	06/09/94	16:35	661
11/16/93	16:07	231	11/16/93	20:55	54	03/24/94	11:30	84	06/09/94	16:40	656
11/16/93	16:09	243	11/16/93	21:00	52	03/24/94	11:35	73	06/09/94	16:45	628
11/16/93	16:10	240	11/16/93	21:05	54	03/24/94	11:40	88	06/09/94	16:50	609
11/16/93	16:12	242	11/16/93	21:10	178	03/24/94	11:45	83	06/09/94	16:55	575
11/16/93	16:13	237	11/16/93	21:15	55	03/24/94	11:50	85	06/09/94	17:00	540
11/16/93	16:15	236	11/16/93	21:20	54	03/24/94	11:55	85	06/09/94	17:05	482
11/16/93	16:20	229	11/16/93	21:25	61	03/24/94	12:00	81	06/09/94	17:10	460
11/16/93	16:25	238	11/16/93	21:30	69	03/24/94	12:05	78	06/09/94	17:15	426
11/16/93	16:30	234	11/16/93	21:35	72	03/24/94	12:10	90	06/09/94	17:20	384
11/16/93	16:35	254	11/16/93	21:40	83	03/24/94	12:15	63	06/09/94	17:25	338
11/16/93	16:40	276	11/16/93	21:45	91	03/24/94	12:20	78	06/09/94	17:30	319
11/16/93	16:45	306	11/16/93	21:50	94	03/24/94	12:25	58	06/09/94	17:35	302
11/16/93	16:50	377	11/16/93	21:55	117	03/24/94	12:30	432	06/09/94	17:40	260
11/16/93	16:55	532	11/16/93	22:00	114	03/24/94	12:35	829	06/09/94	17:45	235
11/16/93	17:00	534	11/16/93	22:05	113	03/24/94	12:40	70	06/09/94	17:50	236
11/16/93	17:05	564	11/16/93	22:10	108	03/24/94	12:45	70	06/09/94	17:55	1,822
11/16/93	17:10	586	11/16/93	22:15	113	03/24/94	12:50	64	06/09/94	18:00	226
11/16/93	17:15	616	11/16/93	22:20	104	03/24/94	12:55	75	06/09/94	18:05	194
11/16/93	17:20	584	11/16/93	22:25	106	03/24/94	13:00	84	06/09/94	18:10	200
11/16/93	17:25	523	11/16/93	22:30	97	03/24/94	13:05	72	06/09/94	18:15	173
11/16/93	17:30	473	11/16/93	22:35	92	03/24/94	13:10	69	06/09/94	18:20	172
11/16/93	17:35	407	11/16/93	22:40	84	03/24/94	13:15	78	06/09/94	18:25	175
11/16/93	17:45	322	11/16/93	22:45	81	03/24/94	13:20	546	06/09/94	18:30	166
11/16/93	17:50	270	11/16/93	22:50	79	03/24/94	13:25	175	06/09/94	18:35	150
11/16/93	17:55	258	11/16/93	22:55	73	03/24/94	13:30	123	06/09/94	18:40	160
11/16/93	18:00	230	11/16/93	23:00	71	03/24/94	13:35	129	06/09/94	19:05	135
11/16/93	18:05	201	11/16/93	23:05	74	03/24/94	13:40	128	06/09/94	19:10	119
11/16/93	18:10	179	11/16/93	23:10	63	03/24/94	13:45	129	06/09/94	19:15	99
11/16/93	18:15	166	11/16/93	23:20	63	03/24/94	13:50	129	06/09/94	19:20	144
11/16/93	18:20	148	11/16/93	23:25	64	03/24/94	13:55	127	06/09/94	19:25	130
11/16/93	18:25	135	11/16/93	23:30	61	03/24/94	14:00	122	06/09/94	19:30	122
11/16/93	18:30	128	11/16/93	23:35	56	03/24/94	14:05	122	06/09/94	19:35	110
11/16/93	18:35	117	11/16/93	23:40	64	03/24/94	14:10	118	06/09/94	19:40	113
11/16/93	18:45	98				03/24/94	14:15	98	06/09/94	19:45	116
11/16/93	18:50	95	03/24/94	09:20	794	03/24/94	14:20	96	06/09/94	19:50	123
11/16/93	18:55	89	03/24/94	09:25	571	03/24/94	14:25	75	06/09/94	19:55	117
11/16/93	19:00	84	03/24/94	09:30	544	03/24/94	14:30	100	06/09/94	20:00	119
11/16/93	19:05	81	03/24/94	09:35	476	03/24/94	14:35	91	06/09/94	20:05	130
11/16/93	19:10	76	03/24/94	09:40	424	03/24/94	14:40	93	06/09/94	20:10	120
11/16/93	19:15	73	03/24/94	09:45	375				06/09/94	20:20	112
11/16/93	19:20	71	03/24/94	09:50	341	06/09/94	15:05	2,703	06/09/94	20:25	124
11/16/93	19:25	68	03/24/94	09:55	308	06/09/94	15:10	1,491	06/09/94	20:30	122
11/16/93	19:30	65	03/24/94	10:00	280	06/09/94	15:15	1,476	06/09/94	20:35	110