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

By SHANNON D. WILLIAMS and ROBIN M. HARRIS

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
acre	0.4047	hectare
pounds per acre (lb/acre)	1.1204	kilograms per hectare

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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

By Shannon D. Williams *and* Robin M. Harris

Abstract

In 1989, the U.S. Geological Survey began a cooperative study with the Tennessee Department of Agriculture to assess the impact of agricultural activities on water quality in the Beaver Creek watershed in West Tennessee. Quantification of the transport of nutrients, sediment, and pesticides from agricultural fields was one of the objectives of the study. This report presents nutrient, sediment, and pesticide data collected during selected storm events from 1990 through 1995 at four relatively small, agricultural basins (28 to 422 acres) in the Beaver Creek watershed.

Approximately 3,000 water samples (500 to 1,000 at each site) were analyzed for nitrogen and phosphorus species. Total nitrogen (N) concentrations ranged from 0.2 to 41.2 milligrams per liter (mg/L). Median concentrations for samples from each site ranged from 2.0 to 2.7 mg/L for total nitrogen, 1.2 to 1.9 mg/L for organic nitrogen, 0.05 to 0.14 mg/L for ammonia (measured as N), and 0.2 to 0.8 mg/L for nitrate plus nitrite (measured as N). Total phosphorus (P) concentrations ranged from 0.03 to 16.0 mg/L. Median concentrations for samples from each site ranged from 0.80 to 1.2 mg/L for total phosphorus and 0.15 to 0.72 for orthophosphate (measured as P).

Approximately 6,000 water samples (1,300 to 1,800 at each site) were analyzed for suspended sediment. Suspended-sediment concentrations ranged from 8.0 to 98,353 mg/L. Concentrations exceeded 1,000 mg/L in 33 percent of the samples collected and exceeded 10,000 mg/L in 6 percent of the samples. Median concentrations ranged from 347 to 713 mg/L at the four sites.

Several herbicides and insecticides were detected in water samples. Maximum concentrations detected were 37 micrograms per liter (µg/L) for metolachlor, 3.2 µg/L for trifluralin, 150 µg/L for fluometuron, and 430 µg/L for aldicarb. Aldicarb metabolites were also detected in several samples. The maximum aldicarb sulfoxide and aldicarb sulfone concentrations detected were 68.4 and 14.3 µg/L, respectively.

INTRODUCTION

Agriculture activities are major contributors of nonpoint-source pollution. Waters draining agricultural fields transport nutrients, sediment, and pesticides to receiving streams and lakes. This transport then affects the suitability of the streams and lakes for designated uses. In Tennessee, agriculture has been cited as one of the leading causes of water impairment (U.S. Environmental Protection Agency, 1994).

In 1989, the U.S. Geological Survey (USGS) began a cooperative study with the Tennessee Department of Agriculture to assess the impact of agricultural activities on water quality in the Beaver Creek watershed in West Tennessee. One of the study's objectives was quantification of the transport of nutrients, sediment, and pesticides from agricultural fields. About 70 percent of the 95,000 acres in the Beaver Creek watershed is under row crop cultivation. Cotton, soybeans, corn, and winter wheat are the major crops. Nutrient, sediment, and pesticide data were collected from 1990 through 1995 at four small streams draining agricultural fields in the Beaver Creek watershed. The drainage area of the streams ranged from 28 to 422 acres.

ACKNOWLEDGMENTS

The USGS would like to thank the area farm owners for allowing water-quality monitoring to be conducted on their property. The USGS also thanks the farming community in general for its support and cooperation in the Beaver Creek project.

STUDY SITES

Four agricultural basins (table 1) representative of the various agricultural practices, physiographic conditions, and soil types in the Beaver Creek watershed were identified and selected for the collection of water-quality data (fig. 1). The drainage networks in the four basins consist of natural streams and drainage ditches with ephemeral flow and some perennial pools.

The largest site, the Middle Beaver Creek canal tributary at Wilson farm (station 07030249), is a bottomland site with elevations 280 to 340 feet above sea level. The principal soil type in the basin is Falaya silt loam, which is a somewhat poorly drained, silty, nearly level soil normally found on first-order bottoms. The basin also contains Calloway and Henry silt loams which are also poorly drained, nearly level soils, and Grenada and Loring silt loams which are moderately well-drained soils. The Grenada soils are located on sides of ridges (2 to 8 percent slopes) and the Loring soils on ridge tops (U.S. Department of Agriculture, 1970). About 90 percent of the basin is under cultivation while the remaining 10 percent is grass waterways and woodland.

The East Beaver Creek canal tributary at Williams farm (station 07030242) is also a bottomland site. Elevations range from 310 to 340 feet above sea level. The soils along the streams are classified as Falaya silt loam-local alluvium which is material washed from nearby Calloway, Grenada, and Henry soils. The Calloway soils in this basin are silt loams with 2- to 5-percent slopes. The Grenada soils are well drained with eroded or severely eroded 2- to 8-percent slopes. The Henry silt loams are deep, poorly drained and have slow to very slow runoff (U.S. Department of Agriculture, 1964). About 85 percent of the basin is under cultivation.

The West Beaver Creek canal tributary at Moffatt farm (station 070302481) is an upland site with elevations of 335 to 405 feet above sea level. The basin contains Falaya silt loam along the streams, Memphis silt loam with slopes of 2 to 30 percent on hillsides, and Loring silt loam with slopes of 2 to 5 percent on ridgetops. The basin also contains some soils which were originally Memphis and Loring soils but are now classified as gullied soils (U.S. Department of Agriculture, 1970). About 80 percent of the basin is under cultivation.

The smallest site, the East Beaver Creek canal tributary at Tritt farm (station 07030241), is located in the uplands of the watershed. Elevations range from 365 to 390 feet above sea level. Soils in this basin are classified as eroded and severely eroded Grenada, Loring, and Memphis silt loams with slopes of 1 to 8 percent. Almost all of the 28 acres in the basin are under cultivation (U.S. Department of Agriculture, 1993).

Commercial fertilizers are essential to producing row crops in the study area. General fertilizer application recommendations are 80 pounds per acre (lb/acre) of nitrogen for cotton and wheat crops and 125 lb/acre for corn. Urea and ammonium-nitrate are

Table 1. Description of water-quality-monitoring sites in the Beaver Creek watershed, West Tennessee

Site	Station number	Drainage area (acres)	Physiography	Major crop(s)
Middle Beaver Creek canal tributary at Wilson farm near Madge.	07030249	422	Bottomland	Cotton, soybeans, and corn
East Beaver Creek canal tributary at Williams farm near Belmont.	07030242	108	Bottomland	Soybeans, cotton
West Beaver Creek canal tributary at Moffatt farm near Madge.	070302481	67	Upland	Soybeans, wheat, and cotton
East Beaver Creek canal tributary at Tritt farm near Keeling.	07030241	28	Upland	Cotton (1990-93) Soybeans and wheat (1994-1995)

the most common nitrogen sources used. Legumes like soybeans have the ability to produce nitrogen through natural processes (nitrogen fixation). The general recommended phosphate (P_2O_5) application is 60, 50, 20, and 40 lbs/acre for cotton, corn, soybeans and wheat, respectively. The general recommended potash (K_2O) application rate is 60, 50, 40, and 20 lbs/acre for cotton, corn, soybeans and wheat, respectively (Gerloff and Maxey, 1996).

Many types of pesticides are used on row crops in the study area to control weeds and insects (table 2). Carbamates are the most commonly used insecticides, and triazines and substituted amides are the most commonly used herbicides (table 2). Typical application rates for pesticides range from 0.09 to 4 pounds per acre (Patrick, 1994; Roberts and Lentz, 1995, 1996; Rhodes and others, 1996).

DATA COLLECTION AND WATER-QUALITY ANALYSIS

Water samples were collected using automatic samplers, normally at 5- to 15-minute sample intervals. Samples were analyzed for nitrogen and phosphorus species, suspended sediment, and selected pesticides and pesticide metabolites. Nitrogen and phosphorus analyses were conducted by USGS Water-Quality Laboratories in Arvada, Colorado, and Ocala, Florida, using methods described in Fishman and Friedman (1989). Suspended-sediment analyses were conducted by the USGS Sediment Laboratory in Tuscaloosa, Alabama, using standard methods described in Guy (1969), Matthes and others (1991), and Knott and others (1992).

Pesticide analyses of water samples collected in 1990 were conducted by the USGS National Water-Quality laboratory in Arvada, Colorado, using methods described in Wershaw and others (1987). Chemical analysis were conducted for several of the herbicides and carbamate compounds used in the watershed and for some of the metabolites of these compounds. Method detection limits ranged from 0.1 to 0.5 micrograms per liter (µg/L). Most of the water samples analyzed for pesticides in 1990 were flow-weighted composite samples which were prepared by combining discrete samples in equivalent proportion to the volume of storm runoff represented by the water sample.

Additional analysis for a few pesticides were conducted for water samples collected from 1991 through 1995. Analyses of samples collected from 1991 through 1993 were conducted at The Institute of Wildlife and Environmental Toxicology (TIWET) at Clemson University, South Carolina. Extraction of samples were performed using TIWET standard operational procedures 401-53-01 and 401-54-01. (The Institute of Wildlife and Environmental Toxicology, 1991). Extracted samples were analyzed using reverse phase high pressure liquid chromatography (HPLC) with detection limits ranging from 0.1 to 1.3 µg/L. Analyses of samples collected in 1995 were conducted by the USGS Water-Quality Laboratory in Ocala, Florida, using enzyme linked immunosorbent assay (ELISA) methods that have an estimated detection limit of 0.25 µg/L for aldicarb.

WATER-QUALITY DATA

Nitrogen and Phosphorus Data

Approximately 3,000 water samples (500 to 1,000 at each site) were analyzed for nitrogen and phosphorus species (tables 3-6). Nitrogen and phosphorus concentrations varied during individual storm events and from storm to storm. Total nitrogen concentrations ranged from 0.2 to 41.2 milligrams per liter (mg/L), and median total nitrogen concentrations ranged from 2.0 to 2.7 mg/L for samples from each site.

The maximum concentrations detected for organic nitrogen (N), ammonia (measured as N), and nitrate plus nitrite (measured as N) were 36.0, 18.0, and 15.0 mg/L, respectively. Median concentrations for samples from each site ranged from 1.2 to 1.9 mg/L for organic nitrogen, 0.05 to 0.14 mg/L for ammonia, and 0.2 to 0.8 mg/L for nitrate plus nitrite. Nitrate plus nitrite concentrations exceeded 1.0 mg/L in 25 percent of the samples collected and exceeded 2.0 mg/L in 8 percent of the samples collected.

Total phosphorus (P) concentrations ranged from 0.03 to 16.0 mg/L. The maximum orthophosphate concentration (measured as P) detected was 12.0 mg/L. Total phosphorus concentrations exceeded 1.0 mg/L in 49 percent of the samples collected and exceeded 5.0 mg/L in 3 percent of the samples. Median concentrations for samples from each site ranged from 0.80 to 1.2 mg/L for total phosphorus and 0.15 to 0.72 for orthophosphate.

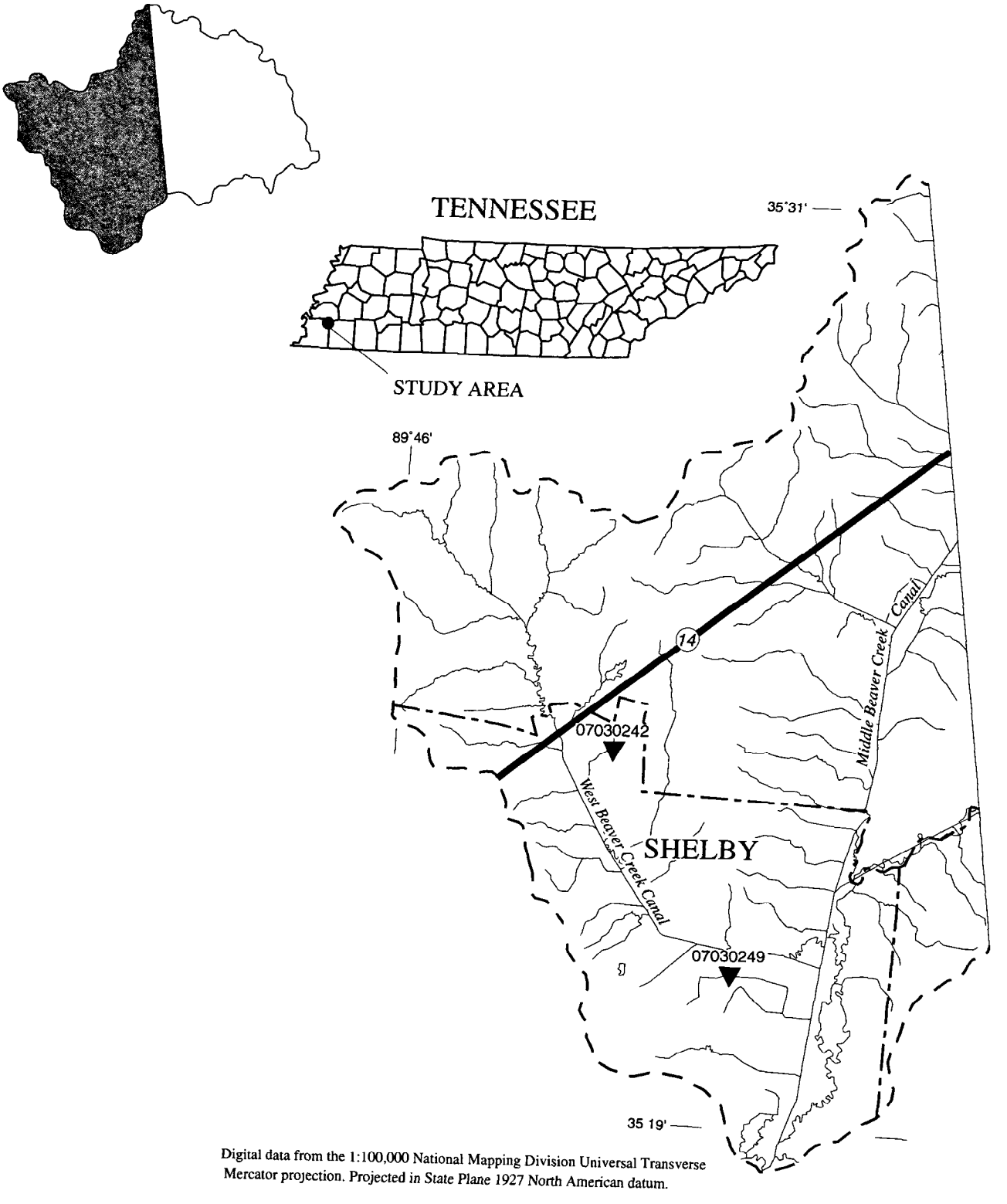

Figure 1. Location of small agricultural basins monitored in the Beaver Creek watershed, West Tennessee.

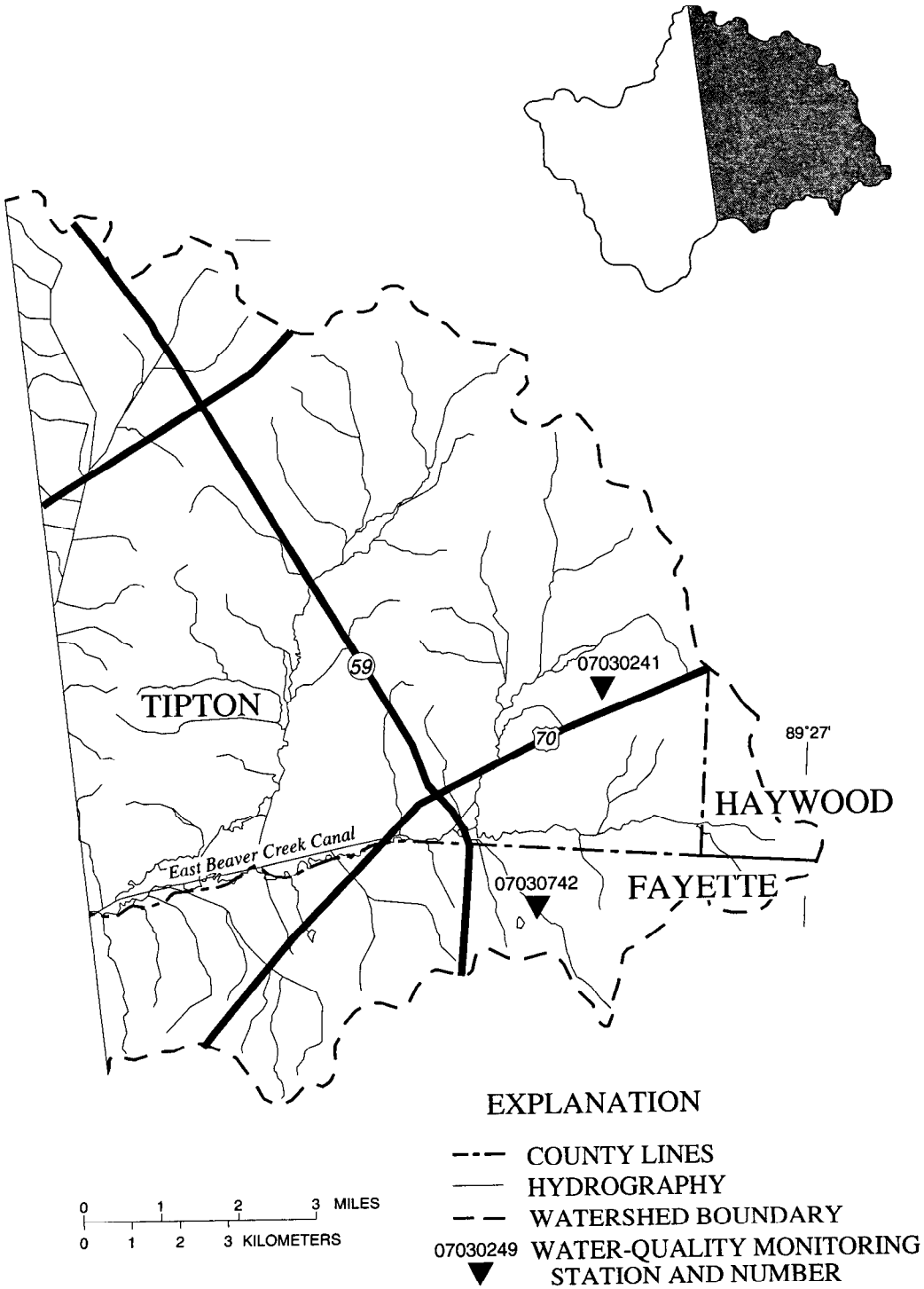

Figure 1. Location of small agricultural basins monitored in the Beaver Creek watershed, West Tennessee—Continued.

Table 2. Commonly used pesticides in the Beaver Creek watershed, West Tennessee

[all application rates are in pounds per acre]

Name	Trade name(s)	Type of compound	Type of pesticide	Crops treated	Application rate
Acifluorfen	Blazer	diphenyl ether	herbicide	soybeans	0.75 - 1.0
Alachlor	Lasso	substituted amide	herbicide	soybeans, corn	1.75 - 3.0
Aldicarb	Temic	carbamate	insecticide	cotton	0.525
Atrazine	AAtrex	triazine	herbicide	corn	1.6 - 2.0
Azinphos-methyl	Guthion	organophosphate	insecticide	cotton	0.5
Bentazon	Basagran	benzothiadiazole	herbicide	corn, soybeans	0.75 - 1.0
Carbaryl	Sevin	carbamate	insecticide	soybeans, wheat	0.5 - 1.5
Carbofuran	Furadan	carbamate	insecticide	soybeans, wheat	0.125 - 0.25
Cyanazine	Bladex	triazine	herbicide	cotton	0.6 - 1.0
2,4-D	several	phenoxy	herbicide	wheat	0.33 - 1.0
Fluazifop-P-butyl	Fusilade	diphenyl ether	herbicide	cotton, soybeans	0.94 - 0.188
Fluometuron	Cotoran	urea	herbicide	cotton	1.0 - 2.0
Glyphosate	Roundup	organophosphate	herbicide	cotton, corn	1.0 - 4.0
Imazaquin	Sceptor	imidazole	herbicide	soybeans	0.09 - 0.125
Oxamyl	Vydate	carbamate	insecticide	cotton	0.13 - 0.26
Paraquat	Gramoxone Extra	bypyriday	herbicide	cotton, soybeans, corn	0.25 - 0.75
Pendimethalin	Prowl	dinitroaniline	herbicide	cotton, corn	0.5 - 1.5
Prometryn	Caparol	triazine	herbicide	cotton	0.5 - 2.0
Malathion	Cythion	organophosphate	insecticide	cotton, wheat	1.25
Metolachlor	Dual	substituted amide	herbicide	cotton, corn, soybeans	1.5 - 2.5
Methomyl	Lannate, Nudrin	carbamate	insecticide	cotton, soybeans, wheat	0.125 - 0.25
Metribuzin	Sencor, Lexone	organophosphate	herbicide	wheat, soybeans	0.25 - 0.6
Simazine	Princep	triazine	herbicide	corn	1.0 - 1.5
Trifluralin	Treflan	dinitroaniline	herbicide	cotton, soybeans	0.5 - 1.0

Suspended-Sediment Data

Approximately 6,000 water samples (1,300 to 1,800 at each site) were analyzed for suspended sediment (tables 7-10). Suspended-sediment concentrations also varied during individual storm events and from storm to storm. Suspended-sediment concentrations ranged from 8.0 to 98,353 mg/L. Concentrations exceed 1,000 mg/L in 33 percent of the samples and exceeded 10,000 mg/L in 6 percent of the samples collected. Median concentrations detected in samples were 347 mg/L for the West Beaver Creek canal tributary, 382 mg/L for the Middle Beaver Creek canal tributary, 563 mg/L for the East Beaver Creek canal tributary at Williams farm, and 713 mg/L for the East Beaver Creek canal tributary at Tritt farm.

Pesticide Data

Several herbicides and carbamate insecticides were detected in composite samples collected in 1990 (table 11). Metolachlor was detected in composite samples from the East Beaver Creek canal tributary at Williams farm at concentrations of 0.3 to 37 µg/L and in composite samples from the Middle Beaver Creek canal tributary at concentrations of 0.4 to 11.0 µg/L. Water samples collected during two storms in 1993 at the East Beaver Creek canal tributary at Williams farm were also analyzed for metolachlor (table 12). Metolachlor was detected in all samples collected on August 2, 1993, at concentrations ranging from 1.4 to 3.5 µg/L and in two of the samples collected on September 24, 1993, at concentrations of 1.2 and 0.7 µg/L.

Trifluralin was detected in composite samples collected in 1990 from the East Beaver Creek canal tributaries and the West Beaver Creek canal tributary at concentrations ranging from 0.1 to 3.2 µg/L. Fluometuron was detected in two composite samples from the East Beaver Creek canal tributary at Tritt farm at concentrations of 18.0 and 150 µg/L and in two composite samples from the East Beaver Creek canal tributary at Williams farm at concentrations of 56.3 and 9.1 µg/L (table 11). Trifluralin and fluometuron analyses were conducted for samples collected during two storms in 1993 at the West Beaver Creek canal tributary (table 12). Trifluralin was not detected in any of the samples. Fluometuron was detected at concentrations of 1.5 to 4.5 µg/L during the August 2, 1993 storm and was not detected in any samples collected during the September 24, 1993 storm.

Aldicarb, aldicarb sulfoxide, and aldicarb sulfone were detected in several of the composite samples collected in 1990 from the East Beaver Creek canal tributaries at concentrations of 0.7 to 5.1 µg/L (table 11). Aldicarb sulfone was also detected in one sample from the Middle Beaver Creek canal tributary at a concentration of 2.9 µg/L. Samples collected during several storms from 1991 through 1993 at the East Beaver Creek canal tributary at Tritt and the Middle Beaver Creek canal tributary were analyzed for aldicarb and its metabolites (table 12). Aldicarb was not detected in any of the samples collected from the East Beaver Creek canal tributary at the Tritt farm; however, the metabolites were detected in several samples. The maximum aldicarb sulfoxide and aldicarb sulfone concentrations detected were 9.0 and 6.4 µg/L, respectively.

Aldicarb and its metabolites were detected in several of the samples collected at the Middle Beaver Creek canal tributary from 1991 through 1993 (table 12). The maximum concentrations detected were 430, 68.4, and 14.3 µg/L for aldicarb, aldicarb sulfoxide, and aldicarb sulfone, respectively. Aldicarb concentrations of 3.4 to 36.0 µg/L were detected in samples collected during several storms in 1995. These samples were analyzed using enzyme-linked immunosorbent assay kits for aldicarb which cannot distinguish between aldicarb and its metabolites.

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Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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	14.0	12.5	12.0	0.50	1.90	2.90	0.59
05/19/90	17:50	17.0	13.3	13.0	0.29	4.30	5.90	0.11
05/19/90	18:05	16.0	13.2	13.0	0.21	3.30	6.30	0.14
05/19/90	18:35	6.4	3.6	3.4	0.21	2.80	5.60	0.16
05/20/90	02:15	4.3	2.1	1.9	0.17	2.20	2.50	0.50
05/20/90	02:20	5.0	3.5	3.5	0.04	1.50	3.40	0.13
05/20/90	02:35	4.2	3.2	3.1	0.05	1.00	3.80	0.12
05/20/90	03:05	5.7	4.6	4.5	0.06	1.10	6.30	0.15
05/20/90	03:35	14.0	13.1	13.0	0.05	1.30	6.00	0.10
06/14/90	17:30	2.7	1.2	1.0	0.19	1.50	4.10	0.03
06/14/90	17:35	7.0	5.6	5.4	0.23	1.40	9.20	0.15
06/14/90	17:45	1.7	0.5	0.3	0.17	1.20	2.40	0.05
06/14/90	18:00	3.6	2.3	2.2	0.14	1.30	6.70	0.06
06/22/90	01:30	8.1	3.3	3.0	0.27	4.80	0.11	0.04
06/22/90	01:35	8.9	5.1	4.8	0.27	3.80	0.71	0.06
06/22/90	01:40	3.5	1.1	0.9	0.25	2.40	0.11	0.05
06/22/90	01:45	4.5	2.7	2.5	0.19	1.80	0.13	0.05
06/22/90	02:15	17.5	16.1	16.0	0.13	1.40	0.70	0.04
07/11/90	22:35	3.3	2.3	2.0	0.34	1.00	0.88	0.71
07/11/90	22:45	2.7	1.8	1.4	0.35	0.90	0.81	0.67
10/03/90	20:30	2.6	2.1	1.9	0.20	0.50	0.71	0.26
10/03/90	20:35	2.1	1.7	1.5	0.19	0.40	0.78	0.44
10/03/90	20:40	1.9	1.5	1.4	0.14	0.40	0.78	0.45
10/03/90	20:45	1.9	1.5	1.3	0.16	0.40	0.93	0.60
10/03/90	21:00	1.6	1.4	1.3	0.10	0.20	0.78	0.38
10/03/90	21:15	1.7	1.5	1.4	0.08	0.20	0.97	0.48
10/04/90	01:45	1.9	1.6	1.6	0.04	0.30	1.10	0.86
10/04/90	01:50	2.0	1.8	1.6	0.16	0.20	0.47	0.17
10/04/90	01:55	2.0	1.8	1.7	0.13	0.20	0.52	0.24
10/04/90	02:00	2.0	1.8	1.7	0.12	0.20	0.59	0.20
10/04/90	02:15	1.4	1.2	1.1	0.09	0.20	0.50	0.19
10/04/90	02:30	1.1	1.0	0.9	0.07	0.10	0.48	0.19
02/05/91	03:55	4.3	3.4	3.2	0.17	0.90	1.50	0.07
02/05/91	04:00	3.8	3.2	3.1	0.12	0.60	2.10	0.08
02/05/91	04:05	2.9	2.4	2.3	0.11	0.50	0.99	0.08
02/05/91	04:20	3.5	3.1	3.0	0.09	0.40	0.78	0.08
02/05/91	04:35	3.5	3.1	3.0	0.09	0.40	1.90	0.11
02/05/91	05:35	3.5	3.3	3.2	0.05	0.20	1.90	0.08
02/05/91	06:05	2.4	2.1	2.0	0.05	0.30	0.95	0.12
02/05/91	07:05	2.0	1.7	1.7	0.04	0.30	0.98	0.11
02/05/91	08:05	2.1	1.8	1.8	0.02	0.30	0.92	0.10
02/05/91	09:05	2.8	2.6	2.6	0.03	0.20	1.60	0.10
02/05/91	16:00	1.4	1.2	1.2	0.01	0.20	0.51	0.09
02/05/91	16:30	1.2	1.0	1.0	0.01	0.20	0.80	0.21
02/05/91	16:35	1.1	0.9	0.9	0.01	0.20	0.44	0.18
02/05/91	16:40	1.3	1.1	1.1	0.01	0.20	0.51	0.09
02/05/91	16:55	1.0	0.8	0.8	0.01	0.20	0.36	0.11
02/05/91	17:10	3.3	3.1	3.1	0.02	0.20	0.75	0.09
02/05/91	17:35	2.6	2.4	2.4	0.01	0.20	0.94	0.08
02/05/91	18:05	2.3	2.1	2.1	0.01	0.20	1.80	0.09

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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	19:05	2.4	2.3	2.3	0.02	0.10	0.84	0.07
02/05/91	20:05	1.3	1.2	1.2	0.01	0.10	0.58	0.11
02/05/91	21:05	1.1	0.9	0.9	0.02	0.20	0.57	0.10
03/28/91	20:05	2.3	1.4	1.1	0.29	0.88	0.75	0.34
03/28/91	15:00	29.7	27.2	26.0	1.20	2.50	7.10	5.50
03/28/91	15:05	41.2	39.7	36.0	3.70	1.50	14.00	0.37
03/28/91	15:15	37.5	35.7	33.0	2.70	1.80	0.93	1.00
03/28/91	15:30	21.1	18.6	10.0	8.60	2.50	12.00	12.00
03/28/91	15:45	16.9	14.0	8.4	5.60	2.90	7.00	6.50
03/28/91	16:15	17.6	14.2	13.0	1.20	3.40	6.10	1.70
05/25/91	09:35	16.6	3.6	2.4	1.20	13.00	4.30	0.10
05/25/91	09:40	1.2	1.0	0.9	0.14	0.17	0.25	0.04
05/25/91	09:45	13.2	2.2	1.1	1.10	11.00	6.70	1.30
05/25/91	09:50	9.7	4.3	3.4	0.93	5.40	1.10	1.10
05/25/91	10:00	4.9	1.5	1.3	0.18	3.40	6.60	0.17
05/25/91	10:30	16.4	14.1	14.0	0.12	2.30	7.90	1.40
05/25/91	11:00	6.2	4.1	4.0	0.11	2.10	9.70	0.10
05/25/91	11:55	4.2	1.9	1.0	0.94	2.30	4.20	1.50
05/25/91	15:35	4.5	1.8	1.6	0.19	2.70	5.90	0.13
06/23/91	20:10	21.6	20.1	20.0	0.09	1.50	9.60	0.07
06/23/91	20:15	3.1	1.9	1.8	0.08	1.20	7.20	0.07
06/23/91	20:20	6.7	5.5	5.4	0.07	1.20	6.30	0.08
06/23/91	20:30	7.8	6.5	6.5	0.02	1.30	5.40	0.11
06/23/91	21:40	9.3	8.1	7.7	0.36	1.20	4.30	0.06
06/23/91	21:50	1.8	1.0	1.0	0.02	0.76	2.10	0.11
08/09/91	02:25	4.1	2.8	2.6	0.21	1.30	0.62	0.18
08/09/91	02:30	5.5	4.7	4.5	0.19	0.84	2.20	0.15
08/09/91	02:40	3.0	2.2	2.1	0.07	0.79	0.86	0.16
08/09/91	02:45	4.0	3.2	3.2	0.04	0.81	0.93	0.18
08/09/91	02:50	3.1	2.2	2.2	0.04	0.89	1.00	0.17
08/09/91	03:05	1.9	1.3	1.3	0.04	0.62	0.50	0.11
08/09/91	03:20	3.7	3.1	3.1	0.03	0.62	0.22	0.13
08/09/91	03:35	2.4	1.7	1.7	0.02	0.71	0.84	0.11
08/09/91	04:05	2.0	1.5	1.5	0.02	0.49	4.70	0.10
08/09/91	04:10	11.1	9.9	9.9	0.04	1.20	1.90	0.03
08/09/91	04:20	1.5	1.0	1.0	0.02	0.54	0.58	0.11
08/28/91	12:45	3.1	2.7	2.6	0.06	0.46	0.87	0.08
08/28/91	13:00	1.8	1.2	1.2	0.02	0.58	0.53	0.22
08/28/91	13:15	1.7	1.2	1.2	0.04	0.50	0.91	0.32
08/28/91	14:30	1.7	1.2	1.2	0.03	0.42	0.52	0.03
08/28/91	14:45	2.4	2.1	2.1	0.01	0.32	0.78	0.11
08/28/91	15:00	1.4	1.1	1.1	0.01	0.29	0.66	0.15
08/28/91	16:00	2.2	2.1	2.1	0.02	0.10	0.66	0.03
08/28/91	16:15	1.6	1.5	1.5	0.01	0.09	0.63	0.11
08/28/91	16:30	1.9	1.5	1.5	0.04	0.38	0.88	0.27
08/28/91	16:45	1.9	1.3	1.3	0.01	0.58	0.85	0.35
10/29/91	23:45	3.9	2.8	2.5	0.32	1.10	2.30	1.70
10/29/91	24:00	2.7	2.1	1.9	0.24	0.56	1.50	0.97
10/30/91	00:15	2.1	1.6	1.4	0.22	0.43	1.30	0.94
10/30/91	00:30	2.1	1.7	1.5	0.24	0.39	1.40	1.00

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)
10/30/91	20:00	2.5	2.1	2.0	0.07	0.45	1.30	0.04
10/30/91	20:05	1.8	1.4	1.3	0.08	0.40	0.85	0.09
10/30/91	20:20	1.4	1.0	1.0	0.05	0.37	0.71	0.19
10/30/91	20:35	1.4	1.0	1.0	0.05	0.38	0.76	0.18
10/30/91	21:00	1.5	1.1	1.0	0.05	0.41	0.82	0.19
02/17/92	21:20	1.3	0.8	0.7	0.06	0.46	0.64	0.21
02/17/92	21:25	1.9	1.5	1.3	0.15	0.48	1.30	0.67
03/18/92	03:25	1.7	1.5	1.4	0.10	0.24	1.10	0.06
03/18/92	03:35	1.5	1.3	1.2	0.05	0.21	1.00	0.10
03/18/92	05:55	0.9	0.8	0.8	0.04	0.14	0.69	0.13
03/18/92	06:00	1.0	0.9	0.9	0.04	0.13	0.83	0.12
03/18/92	06:20	2.0	1.9	1.8	0.14	0.14	1.40	0.18
06/03/92	04:40	2.3	1.1	0.9	0.24	1.20	0.74	0.12
06/03/92	04:45	2.2	1.2	0.9	0.30	0.99	0.69	0.08
06/03/92	04:50	2.4	1.3	0.7	0.56	1.10	0.44	0.08
06/03/92	05:00	2.1	0.9	0.4	0.47	1.20	0.32	0.07
06/03/92	05:05	3.3	2.0	1.5	0.47	1.30	1.50	0.08
06/03/92	05:15	3.7	2.4	2.0	0.42	1.30	1.80	0.07
06/03/92	05:20	3.5	2.3	1.9	0.36	1.20	2.00	0.08
06/03/92	05:25	1.8	0.6	0.3	0.33	1.20	0.30	0.08
06/03/92	05:30	2.1	0.9	0.6	0.30	1.20	0.61	0.08
06/03/92	05:35	1.8	0.6	0.3	0.27	1.20	0.38	0.09
06/03/92	05:40	2.0	0.9	0.7	0.25	1.10	0.90	0.10
06/03/92	05:45	2.1	1.0	0.8	0.25	1.10	0.83	0.10
06/03/92	05:50	3.0	1.7	1.4	0.26	1.30	1.50	0.09
06/03/92	05:55	2.0	0.7	0.4	0.29	1.30	0.36	0.09
06/03/92	06:00	2.2	1.1	0.8	0.27	1.10	0.87	0.11
06/03/92	06:05	2.1	1.0	0.7	0.27	1.10	0.74	0.10
06/03/92	06:10	2.0	1.0	0.7	0.29	1.00	0.68	0.10
06/03/92	06:15	1.9	0.9	0.6	0.28	0.96	0.63	0.10
06/03/92	06:20	1.7	0.8	0.5	0.28	0.92	0.62	0.10
06/03/92	06:25	2.2	1.3	1.0	0.27	0.89	0.64	0.10
06/03/92	06:30	1.6	0.7	0.4	0.26	0.85	0.39	0.10
06/03/92	06:35	1.7	0.8	0.5	0.26	0.86	0.60	0.10
06/03/92	07:10	1.4	0.7	0.5	0.24	0.74	0.54	0.08
06/03/92	07:15	3.1	2.4	2.2	0.22	0.70	2.00	0.09
06/03/92	07:20	2.8	2.1	1.9	0.24	0.65	1.90	0.08
06/03/92	07:25	1.7	1.0	0.8	0.22	0.65	0.84	0.10
06/03/92	07:30	1.7	1.0	0.8	0.21	0.66	0.96	0.10
06/03/92	07:35	1.8	1.2	1.0	0.19	0.64	1.20	0.10
06/03/92	07:40	2.2	1.6	1.4	0.22	0.61	1.50	0.09
06/03/92	07:45	1.6	1.0	0.8	0.23	0.64	0.87	0.11
06/03/92	07:50	1.9	1.3	1.1	0.21	0.58	1.20	0.10
06/03/92	07:55	2.7	2.1	1.9	0.21	0.58	1.90	0.09
06/03/92	08:00	1.8	1.2	1.0	0.20	0.57	1.10	0.10
06/03/92	08:05	1.7	1.1	0.9	0.20	0.57	1.10	0.10
06/03/92	08:10	2.3	1.6	1.4	0.19	0.65	1.60	0.11
06/03/92	08:15	1.6	1.0	0.8	0.18	0.62	1.10	0.11
06/03/92	08:20	1.7	1.1	0.9	0.18	0.63	1.10	0.11
06/03/92	08:25	1.5	0.8	0.6	0.19	0.65	0.75	0.11
06/03/92	08:30	1.8	1.2	1.0	0.19	0.61	1.10	0.11
06/03/92	08:35	2.4	1.8	1.6	0.18	0.58	1.60	0.10
06/03/92	08:40	1.5	0.9	0.7	0.23	0.59	0.68	0.08

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
06/03/92	08:45	1.7	1.1	0.9	0.23	0.56	1.10	0.09
06/03/92	08:50	1.6	1.0	0.8	0.25	0.59	0.80	0.08
06/03/92	08:55	2.0	1.5	1.2	0.29	0.54	1.20	0.11
06/26/92	01:55	3.4	1.4	1.2	0.21	2.00	0.66	0.05
06/26/92	02:00	4.0	2.2	2.1	0.13	1.80	1.10	0.06
06/26/92	02:05	5.0	3.2	3.1	0.13	1.80	1.90	0.06
06/26/92	03:10	3.1	2.0	1.9	0.13	1.10	1.10	0.07
06/26/92	03:15	2.2	1.5	1.4	0.13	0.77	0.81	0.06
06/26/92	03:20	2.5	1.8	1.7	0.10	0.77	1.20	0.07
06/26/92	03:25	2.6	1.8	1.7	0.10	0.84	1.20	0.08
06/26/92	03:55	4.4	2.8	2.7	0.14	1.60	2.20	0.11
06/26/92	04:00	4.3	2.6	2.5	0.14	1.70	2.00	0.11
06/26/92	04:10	4.6	2.9	2.8	0.14	1.70	2.10	0.11
06/26/92	04:35	4.6	3.0	2.9	0.14	1.60	2.10	0.10
06/26/92	04:50	4.0	2.4	2.3	0.12	1.60	1.80	0.12
07/17/92	03:50	1.5	1.1	1.0	0.12	0.41	0.53	0.06
07/17/92	03:55	1.3	1.0	0.9	0.09	0.28	0.52	0.05
07/17/92	04:00	2.5	2.3	2.2	0.06	0.22	1.50	0.05
07/17/92	04:05	0.7	0.5	0.5	0.05	0.22	0.30	0.08
07/17/92	04:10	0.9	0.7	0.7	0.05	0.20	0.48	0.08
07/17/92	04:15	0.7	0.6	0.6	0.04	0.17	0.51	0.09
07/17/92	04:25	0.8	0.7	0.7	0.03	0.18	0.50	0.12
07/17/92	04:30	0.7	0.6	0.6	0.03	0.19	0.45	0.12
07/17/92	04:35	0.7	0.5	0.5	0.03	0.21	0.42	0.14
07/17/92	04:40	0.9	0.8	0.8	0.03	0.18	0.61	0.15
07/17/92	04:45	0.9	0.8	0.8	0.05	0.16	0.50	0.08
07/17/92	04:50	0.8	0.7	0.7	0.05	0.12	0.47	0.07
07/17/92	04:55	1.3	1.2	1.1	0.05	0.12	0.93	0.10
07/17/92	05:00	0.5	0.4	0.4	0.03	0.11	0.41	0.11
07/17/92	05:05	0.7	0.6	0.6	0.03	0.11	0.56	0.13
07/17/92	05:10	1.3	1.1	1.1	0.03	0.12	0.93	0.15
07/17/92	05:15	0.6	0.5	0.5	0.02	0.12	0.51	0.16
07/17/92	05:20	0.8	0.7	0.7	0.03	0.12	0.63	0.16
07/17/92	05:25	0.8	0.7	0.7	0.03	0.13	0.57	0.16
07/17/92	05:30	1.1	1.0	1.0	0.02	0.11	0.77	0.15
07/17/92	05:35	0.7	0.6	0.6	0.03	0.12	0.56	0.16
07/17/92	05:40	0.9	0.8	0.8	0.03	0.12	0.73	0.17
07/17/92	05:45	0.7	0.6	0.6	0.03	0.12	0.53	0.17
09/22/92	02:30	2.5	2.1	1.8	0.27	0.36	1.10	0.54
09/22/92	02:35	3.1	2.9	2.7	0.19	0.20	1.20	0.44
09/22/92	02:40	2.3	2.2	2.0	0.15	0.12	0.92	0.42
09/22/92	02:45	2.0	1.9	1.7	0.15	0.12	0.89	0.49
09/22/92	02:50	1.9	1.8	1.7	0.13	0.14	0.89	0.53
09/22/92	02:55	2.0	1.9	1.8	0.14	0.12	0.89	0.52
09/22/92	03:00	1.8	1.7	1.6	0.13	0.08	0.95	0.50
09/22/92	03:05	1.3	1.2	1.1	0.12	0.07	0.77	0.53
09/22/92	03:10	1.6	1.5	1.4	0.12	0.07	0.80	0.55
09/22/92	03:15	1.3	1.2	1.1	0.10	0.06	0.74	0.55
09/22/92	03:20	1.3	1.2	1.1	0.12	0.05	0.79	0.55
09/22/92	03:25	1.6	1.5	1.4	0.11	0.05	0.76	0.52
09/22/92	03:30	1.5	1.4	1.3	0.10	0.05	0.79	0.48
09/22/92	03:35	1.2	1.1	1.0	0.08	0.05	0.67	0.49
09/22/92	03:40	1.4	1.3	1.2	0.08	0.05	0.71	0.50

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
09/22/92	03:45	1.3	1.2	1.1	0.10	0.05	0.69	0.51
09/22/92	03:50	1.5	1.4	1.3	0.07	0.05	0.65	0.51
09/22/92	03:55	1.3	1.2	1.1	0.07	0.05	0.73	0.52
09/22/92	04:00	1.2	1.1	1.0	0.07	0.05	0.67	0.53
09/22/92	04:05	1.3	1.2	1.1	0.07	0.05	0.72	0.54
09/22/92	04:10	1.2	1.1	1.0	0.06	0.05	0.68	0.52
09/22/92	04:15	1.3	1.2	1.1	0.05	0.05	0.68	0.50
09/22/92	04:20	1.1	1.0	1.0	0.03	0.05	0.67	0.49
09/22/92	04:25	1.2	1.1	1.0	0.05	0.05	0.69	0.49
09/22/92	04:50	1.1	1.0	1.0	0.04	0.05	0.66	0.53
09/22/92	04:55	1.0	0.9	0.9	0.03	0.05	0.66	0.52
09/22/92	05:00	1.2	1.1	1.1	0.03	0.05	0.69	0.53
09/22/92	05:05	0.9	0.8	0.8	0.03	0.05	0.70	0.53
09/22/92	05:10	1.1	1.0	1.0	0.03	0.05	0.68	0.54
09/22/92	05:15	1.0	0.9	0.9	0.04	0.05	0.67	0.54
09/22/92	05:20	1.1	1.0	1.0	0.04	0.05	0.68	0.55
09/22/92	05:25	1.1	1.0	1.0	0.04	0.05	0.70	0.55
09/22/92	05:30	1.1	1.0	1.0	0.04	0.05	0.70	0.56
09/22/92	05:35	1.1	1.0	1.0	0.03	0.05	0.68	0.56
09/22/92	05:40	1.0	0.9	0.9	0.04	0.05	0.68	0.57
09/22/92	05:45	1.2	1.1	1.1	0.04	0.05	0.71	0.57
09/22/92	05:50	0.9	0.8	0.8	0.03	0.05	0.70	0.58
11/22/92	00:30	3.0	2.0	1.6	0.41	1.00	1.00	0.54
11/22/92	00:35	2.2	1.6	1.3	0.32	0.64	0.86	0.24
11/22/92	00:40	2.3	1.7	1.4	0.29	0.63	0.91	0.34
11/22/92	00:45	2.5	1.9	1.6	0.29	0.61	1.00	0.34
11/22/92	00:50	2.5	1.9	1.6	0.27	0.61	1.10	0.35
11/22/92	01:00	2.6	2.0	1.7	0.27	0.58	1.20	0.35
11/22/92	01:05	3.4	2.8	2.5	0.26	0.57	1.80	0.36
11/22/92	01:10	1.7	1.4	1.1	0.25	0.60	0.81	0.41
11/22/92	01:15	1.8	1.2	1.0	0.25	0.60	0.81	0.42
11/22/92	01:20	2.4	1.8	1.6	0.24	0.63	1.30	0.45
11/22/92	01:25	1.9	1.3	1.0	0.25	0.60	0.91	0.46
11/22/92	01:30	1.9	1.3	1.1	0.23	0.57	0.90	0.46
11/22/92	01:35	2.3	1.7	1.5	0.23	0.58	1.20	0.46
11/22/92	01:40	3.2	2.6	2.4	0.24	0.59	2.60	0.43
11/22/92	01:45	2.0	1.4	1.2	0.23	0.62	0.92	0.38
11/22/92	01:50	2.2	1.6	1.4	0.23	0.61	1.20	0.39
11/22/92	01:55	1.6	1.0	0.8	0.23	0.57	0.69	0.41
11/22/92	02:00	1.9	1.3	1.1	0.22	0.58	0.98	0.40
11/22/92	02:05	2.1	1.5	1.3	0.24	0.60	1.00	0.40
11/22/92	03:35	1.7	1.2	1.1	0.12	0.49	0.94	0.44
11/22/92	03:40	1.9	1.3	1.1	0.15	0.59	0.98	0.48
11/22/92	03:45	2.6	2.0	1.7	0.25	0.60	1.30	0.37
11/22/92	03:50	1.8	1.3	1.0	0.28	0.51	0.73	0.29
11/22/92	03:55	1.8	1.3	1.0	0.32	0.50	0.75	0.25
11/22/92	04:00	1.8	1.4	1.2	0.24	0.35	0.62	0.16
11/22/92	04:05	1.5	1.0	0.7	0.31	0.46	0.52	0.26
11/22/92	04:10	1.8	1.3	1.0	0.30	0.48	0.83	0.31
11/22/92	04:15	1.7	1.2	0.9	0.30	0.49	0.81	0.36
11/22/92	04:20	1.7	1.2	0.9	0.29	0.54	0.87	0.36
11/22/92	04:25	1.8	1.3	1.0	0.29	0.48	0.99	0.36
11/22/92	04:30	2.0	1.5	1.2	0.27	0.46	1.20	0.38
11/22/92	04:35	2.1	1.6	1.3	0.28	0.48	1.40	0.39
11/22/92	04:40	1.7	1.2	0.9	0.27	0.51	0.96	0.40
11/22/92	04:45	1.5	1.1	0.9	0.23	0.44	0.91	0.42

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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	04:50	1.9	1.4	1.2	0.22	0.45	1.10	0.43
11/22/92	04:55	1.5	1.1	0.9	0.21	0.42	0.92	0.44
11/22/92	05:00	1.5	1.1	0.9	0.20	0.44	0.96	0.44
11/22/92	05:05	1.8	1.3	1.1	0.18	0.45	1.10	0.46
11/22/92	05:10	1.5	1.1	0.9	0.17	0.44	1.00	0.45
04/14/93	20:55	--	--	--	--	0.00	--	0.01
04/14/93	21:00	--	--	--	--	0.02	--	0.13
04/14/93	21:05	--	--	--	--	0.07	--	0.02
04/14/93	21:10	--	--	--	--	0.08	--	0.04
04/14/93	21:15	--	--	--	--	0.09	--	0.05
04/14/93	21:20	--	--	--	--	0.21	--	0.08
04/14/93	21:25	--	--	--	--	0.27	--	0.09
04/14/93	21:30	--	--	--	--	0.22	--	0.10
04/14/93	21:35	--	--	--	--	0.15	--	0.11
04/14/93	21:40	--	--	--	--	0.06	--	0.04
04/14/93	21:45	--	--	--	--	0.09	--	0.03
04/14/93	21:50	--	--	--	--	0.16	--	0.04
04/14/93	21:55	--	--	--	--	0.14	--	0.06
04/14/93	22:00	--	--	--	--	0.14	--	0.09
04/14/93	22:05	--	--	--	--	0.14	--	0.09
04/14/93	22:10	--	--	--	--	0.00	--	0.00
04/14/93	22:15	--	--	--	--	0.12	--	0.10
04/14/93	22:16	--	--	--	--	0.14	--	0.10
04/14/93	22:17	--	--	--	--	0.14	--	0.10
04/14/93	22:18	--	--	--	--	0.14	--	0.10
04/14/93	22:19	--	--	--	--	0.14	--	0.10
04/14/93	22:20	--	--	--	--	0.12	--	0.10
04/14/93	22:21	--	--	--	--	0.14	--	0.09
04/14/93	22:22	--	--	--	--	0.12	--	0.10
04/14/93	22:23	--	--	--	--	0.12	--	0.10
04/14/93	22:24	--	--	--	--	0.12	--	0.13
04/14/93	22:25	--	--	--	--	0.11	--	0.10
04/14/93	22:26	--	--	--	--	0.12	--	0.10
04/14/93	22:30	--	--	--	--	0.10	--	0.11
04/14/93	22:35	--	--	--	--	0.09	--	0.12
04/14/93	22:40	--	--	--	--	0.08	--	0.11
04/14/93	22:45	--	--	--	--	0.07	--	0.12
04/14/93	22:50	--	--	--	--	0.16	--	0.03
04/14/93	22:55	--	--	--	--	0.05	--	0.12
04/14/93	23:00	--	--	--	--	0.05	--	0.13
04/14/93	23:05	--	--	--	--	0.04	--	0.12
04/14/93	23:10	--	--	--	--	0.03	--	0.12
04/14/93	23:15	--	--	--	--	0.01	--	0.13
04/14/93	23:20	--	--	--	--	0.09	--	0.03
04/14/93	23:25	--	--	--	--	0.10	--	0.02
04/14/93	23:30	--	--	--	--	0.00	--	0.16
04/14/93	23:35	--	--	--	--	0.01	--	0.16
04/14/93	23:40	--	--	--	--	0.00	--	0.15
04/14/93	23:45	--	--	--	--	0.00	--	0.15
04/14/93	23:50	--	--	--	--	0.00	--	0.16
04/14/93	23:55	--	--	--	--	0.00	--	0.17
04/14/93	24:00	--	--	--	--	0.01	--	0.17
04/15/93	00:05	--	--	--	--	0.01	--	0.15
04/15/93	00:10	--	--	--	--	0.03	--	0.13
04/15/93	00:15	--	--	--	--	0.03	--	0.12

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
04/15/93	00:20	--	--	--	--	0.02	--	0.10
04/15/93	00:25	--	--	--	--	0.02	--	0.08
04/15/93	00:30	--	--	--	--	0.01	--	0.08
04/15/93	00:35	--	--	--	--	0.01	--	0.10
04/15/93	00:40	--	--	--	--	0.01	--	0.11
04/15/93	00:45	--	--	--	--	0.01	--	0.12
04/15/93	00:50	--	--	--	--	0.01	--	0.13
04/15/93	00:55	--	--	--	--	0.01	--	0.13
04/15/93	01:00	--	--	--	--	0.01	--	0.13
04/15/93	01:05	--	--	--	--	0.01	--	0.13
04/15/93	01:10	--	--	--	--	0.01	--	0.14
04/15/93	01:15	--	--	--	--	0.00	--	0.14
04/15/93	01:20	--	--	--	--	0.00	--	0.15
04/15/93	01:25	--	--	--	--	0.01	--	0.15
04/15/93	01:30	--	--	--	--	0.00	--	0.15
04/15/93	01:35	--	--	--	--	0.01	--	0.15
04/15/93	01:40	--	--	--	--	0.00	--	0.15
04/15/93	01:45	--	--	--	--	0.02	--	0.15
04/15/93	01:50	--	--	--	--	0.07	--	0.15
04/15/93	01:55	--	--	--	--	0.01	--	0.15
04/15/93	02:00	--	--	--	--	0.01	--	0.15
04/15/93	02:05	--	--	--	--	0.02	--	0.16
04/15/93	02:10	--	--	--	--	0.02	--	0.15
04/15/93	02:15	--	--	--	--	0.02	--	0.15
04/15/93	02:20	--	--	--	--	0.02	--	0.15
04/15/93	02:25	--	--	--	--	0.02	--	0.16
04/15/93	02:30	--	--	--	--	0.03	--	0.16
04/15/93	02:35	--	--	--	--	0.03	--	0.16
04/15/93	02:40	--	--	--	--	0.03	--	0.15
04/15/93	02:45	--	--	--	--	0.03	--	0.13
04/15/93	02:50	--	--	--	--	0.03	--	0.12
04/15/93	02:55	--	--	--	--	0.01	--	0.12
04/15/93	03:00	--	--	--	--	0.01	--	0.13
04/15/93	03:05	--	--	--	--	0.01	--	0.15
04/15/93	03:10	--	--	--	--	0.01	--	0.13
04/15/93	03:15	--	--	--	--	0.01	--	0.11
04/15/93	03:20	--	--	--	--	0.01	--	0.14
04/15/93	03:25	--	--	--	--	0.01	--	0.15
04/15/93	03:30	--	--	--	--	0.01	--	0.14
04/15/93	03:35	--	--	--	--	0.01	--	0.16
04/15/93	03:40	--	--	--	--	0.01	--	0.16
04/15/93	03:45	--	--	--	--	0.01	--	0.16
04/15/93	03:50	--	--	--	--	0.00	--	0.16
04/15/93	03:55	--	--	--	--	0.01	--	0.16
04/15/93	04:00	--	--	--	--	0.01	--	0.16
04/15/93	04:05	--	--	--	--	0.00	--	0.16
04/15/93	04:10	--	--	--	--	0.01	--	0.16
04/15/93	04:15	--	--	--	--	0.01	--	0.17
04/15/93	04:20	--	--	--	--	0.02	--	0.15
04/15/93	04:25	--	--	--	--	0.02	--	0.16
04/15/93	04:30	--	--	--	--	0.02	--	0.18
04/15/93	04:35	--	--	--	--	0.00	--	0.00
04/15/93	04:40	--	--	--	--	0.02	--	0.17
04/15/93	04:45	--	--	--	--	0.02	--	0.18
04/15/93	04:50	--	--	--	--	0.03	--	0.19
08/02/93	00:45	--	3.8	--	--	--	1.30	--

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)
08/02/93	00:50	--	7.6	--	--	--	6.20	--
08/02/93	00:55	--	4.1	--	--	--	4.40	--
08/02/93	01:00	--	4.1	--	--	--	2.20	--
08/02/93	01:05	--	3.6	--	--	--	3.60	--
08/02/93	01:10	--	2.7	--	--	--	1.80	--
08/02/93	01:15	--	6.8	--	--	--	2.80	--
08/02/93	01:20	--	2.4	--	--	--	3.00	--
08/02/93	01:25	--	3.6	--	--	--	1.80	--
08/02/93	01:30	--	3.2	--	--	--	2.50	--
08/02/93	01:35	--	2.2	--	--	--	2.20	--
08/02/93	01:40	--	3.0	--	--	--	2.50	--
08/02/93	01:45	--	2.2	--	--	--	1.10	--
08/02/93	01:50	--	2.4	--	--	--	1.10	--
08/02/93	01:55	--	3.0	--	--	--	2.20	--
08/02/93	02:00	--	3.3	--	--	--	2.10	--
08/02/93	02:05	--	3.4	--	--	--	1.90	--
08/02/93	02:10	--	4.3	--	--	--	1.10	--
08/02/93	02:15	--	2.9	--	--	--	1.10	--
08/02/93	02:20	--	6.0	--	--	--	1.70	--
08/02/93	02:25	--	3.1	--	--	--	1.80	--
08/02/93	02:30	--	3.1	--	--	--	1.80	--
08/02/93	02:35	--	3.0	--	--	--	1.70	--
08/02/93	02:40	--	3.2	--	--	--	1.70	--
08/02/93	03:35	--	2.6	--	--	--	1.60	--
08/02/93	03:40	--	2.7	--	--	--	1.60	--
08/02/93	03:45	--	2.8	--	--	--	1.60	--
08/02/93	03:50	--	2.8	--	--	--	1.60	--
08/02/93	03:55	--	3.0	--	--	--	1.50	--
08/02/93	04:00	--	2.8	--	--	--	1.50	--
08/02/93	04:05	--	2.5	--	--	--	1.50	--
08/02/93	04:10	--	2.9	--	--	--	1.60	--
08/02/93	04:15	--	2.7	--	--	--	1.50	--
08/02/93	04:20	--	2.6	--	--	--	1.50	--
08/02/93	04:25	--	2.4	--	--	--	1.50	--
08/02/93	04:30	--	2.6	--	--	--	1.60	--
08/02/93	04:35	--	2.4	--	--	--	1.60	--
08/02/93	04:40	--	2.6	--	--	--	1.50	--
08/02/93	04:45	--	2.3	--	--	--	1.50	--
11/13/93	09:00	--	2.4	--	--	1.60	1.50	1.00
11/13/93	09:05	--	2.3	--	--	1.80	1.50	1.00
11/13/93	09:10	--	2.5	--	--	1.70	1.80	0.87
11/13/93	09:15	--	2.6	--	--	1.60	2.00	0.80
11/13/93	09:20	--	3.5	--	--	1.60	2.10	0.86
11/13/93	09:25	--	3.2	--	--	1.50	2.00	0.91
11/13/93	09:30	--	2.0	--	--	1.40	1.70	0.94
11/13/93	09:35	--	3.7	--	--	1.30	1.90	1.10
11/13/93	09:40	--	3.5	--	--	1.40	2.30	1.10
11/13/93	09:45	--	3.9	--	--	2.00	2.40	1.70
11/13/93	09:50	--	4.7	--	--	2.20	2.20	2.00
11/13/93	09:55	--	5.0	--	--	1.80	2.10	2.00
11/13/93	10:00	--	5.2	--	--	1.20	2.80	2.00
11/13/93	10:05	--	4.8	--	--	1.30	2.80	2.10
11/13/93	10:10	--	4.8	--	--	0.47	2.20	2.20
11/13/93	10:15	--	4.9	--	--	0.36	2.80	2.10
11/13/93	10:20	--	4.9	--	--	0.23	2.70	2.20
11/13/93	10:25	--	5.1	--	--	0.25	2.80	2.20

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
11/13/93	10:30	--	4.4	--	--	0.06	3.30	2.40
11/13/93	10:35	--	5.2	--	--	0.19	2.90	2.40
11/13/93	10:40	--	5.2	--	--	0.17	2.90	2.40
11/13/93	10:45	--	5.4	--	--	0.10	2.90	2.50
11/13/93	10:50	--	4.2	--	--	0.04	2.70	2.70
11/13/93	10:55	--	4.5	--	--	0.02	2.70	2.60
11/13/93	12:55	--	5.1	--	--	0.02	3.20	2.80
11/13/93	13:00	--	5.0	--	--	0.02	3.30	2.90
11/13/93	13:05	--	4.4	--	--	0.02	3.20	2.80
11/13/93	13:10	--	5.4	--	--	0.02	3.10	2.60
11/13/93	13:15	--	4.9	--	--	0.03	3.00	2.00
11/13/93	13:20	--	4.8	--	--	0.02	3.10	2.20
11/13/93	13:25	--	5.0	--	--	0.02	3.00	2.20
11/13/93	13:30	--	4.1	--	--	0.02	4.90	2.20
11/13/93	13:35	--	4.9	--	--	0.05	2.90	2.20
11/13/93	13:45	--	4.7	--	--	0.03	2.80	2.20
11/13/93	13:50	--	4.6	--	--	0.02	2.60	0.92
11/13/93	13:55	--	4.2	--	--	0.05	2.70	0.22
11/13/93	14:00	--	4.0	--	--	0.05	2.60	2.20
11/13/93	14:05	--	7.3	--	--	0.03	2.50	0.97
11/13/93	14:10	--	4.2	--	--	0.10	2.70	2.20
11/13/93	14:15	--	4.2	--	--	0.06	2.60	2.10
11/13/93	14:20	--	3.9	--	--	0.04	2.60	0.88
11/13/93	14:25	--	4.2	--	--	0.08	2.60	2.20
11/13/93	14:30	--	3.6	--	--	0.42	2.50	2.20
11/13/93	14:35	--	3.4	--	--	0.47	2.50	2.20
11/13/93	14:40	--	4.2	--	--	0.03	2.60	0.78
11/13/93	14:45	--	3.8	--	--	0.03	2.70	0.89
11/13/93	14:50	--	4.2	--	--	0.06	2.60	0.58
11/16/93	14:50	--	2.7	--	--	0.53	1.30	0.97
11/16/93	14:55	--	1.9	--	--	0.31	1.70	1.20
11/16/93	15:00	--	2.8	--	--	0.38	3.30	0.78
11/16/93	15:05	--	3.0	--	--	0.55	3.20	0.86
11/16/93	15:10	--	3.5	--	--	0.44	3.10	0.88
11/16/93	15:15	--	3.7	--	--	0.39	2.10	0.99
11/16/93	15:20	--	3.0	--	--	0.35	1.90	1.00
11/16/93	15:25	--	1.8	--	--	0.30	2.00	1.00
11/16/93	15:30	--	2.3	--	--	0.29	1.90	1.10
11/16/93	15:35	--	2.5	--	--	0.26	1.90	1.10
11/16/93	15:40	--	2.2	--	--	0.24	1.80	1.10
11/16/93	15:45	--	2.1	--	--	0.23	1.70	1.00
11/16/93	15:50	--	2.0	--	--	0.23	1.70	1.00
11/16/93	15:55	--	1.8	--	--	0.23	1.60	1.00
11/16/93	16:00	--	2.3	--	--	0.21	1.60	0.99
11/16/93	16:05	--	2.1	--	--	0.21	1.60	0.97
11/16/93	16:10	--	1.8	--	--	0.20	1.50	0.91
11/16/93	16:15	--	1.7	--	--	0.19	1.50	0.89
11/16/93	16:20	--	1.4	--	--	0.19	1.90	0.86
11/16/93	16:25	--	1.7	--	--	0.18	1.70	0.84
11/16/93	16:30	--	2.4	--	--	0.20	3.20	0.74
11/16/93	16:35	--	2.3	--	--	0.17	2.00	0.71
11/16/93	16:40	--	1.6	--	--	0.15	2.00	0.68
11/16/93	16:45	--	1.6	--	--	0.13	1.90	0.68
11/16/93	17:00	--	1.2	--	--	0.09	1.60	0.52
11/16/93	17:05	--	1.3	--	--	0.11	1.50	0.72
11/16/93	17:10	--	1.6	--	--	0.08	1.30	0.32

Table 3. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Tritt farm near Keeling (station 07030241), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
11/16/93	17:15	--	1.6	--	--	0.07	1.30	0.27
11/16/93	17:20	--	1.1	--	--	0.08	1.20	0.34
11/16/93	17:25	--	1.5	--	--	0.11	1.20	0.76
11/16/93	17:30	--	1.2	--	--	0.11	1.20	0.80
11/16/93	17:35	--	1.0	--	--	0.07	1.30	0.34
11/16/93	17:40	--	1.2	--	--	0.11	1.20	0.80
11/16/93	17:45	--	1.3	--	--	0.10	1.10	0.71
11/16/93	17:50	--	1.1	--	--	0.11	1.10	0.74
11/16/93	17:55	--	1.3	--	--	0.13	1.20	0.85
11/16/93	18:00	--	1.3	--	--	0.11	1.20	0.48
11/16/93	18:05	--	1.3	--	--	0.13	1.10	0.58
11/16/93	18:10	--	1.2	--	--	0.15	1.20	0.80
11/16/93	18:15	--	1.2	--	--	0.10	1.20	0.35
11/16/93	18:20	--	1.2	--	--	0.14	1.10	0.66
11/16/93	18:25	--	1.1	--	--	0.15	1.10	0.86
11/16/93	18:30	--	1.2	--	--	0.16	1.10	0.88
11/16/93	18:35	--	1.2	--	--	0.16	1.10	0.88
11/16/93	18:40	--	1.9	--	--	0.16	1.10	0.82
11/16/93	18:45	--	1.1	--	--	0.16	1.10	0.86
11/16/93	18:50	--	1.1	--	--	0.15	0.93	0.80
11/16/93	18:55	--	1.2	--	--	0.17	1.10	0.89
11/16/93	19:00	--	1.1	--	--	0.17	1.20	0.92
11/16/93	19:05	--	1.4	--	--	0.16	1.10	0.82
11/16/93	19:10	--	1.1	--	--	0.17	1.10	0.90
11/16/93	19:15	--	1.2	--	--	0.17	1.20	0.92
11/16/93	19:20	--	1.1	--	--	0.17	1.20	0.92
11/16/93	19:25	--	1.0	--	--	0.17	1.20	0.90
11/16/93	19:30	--	1.2	--	--	0.18	1.20	0.92
11/16/93	19:35	--	0.8	--	--	0.10	1.10	0.74
11/16/93	19:40	--	1.3	--	--	0.18	1.30	0.94
11/16/93	19:45	--	1.1	--	--	0.18	1.20	0.94
11/16/93	19:50	--	1.9	--	--	0.18	1.20	0.93
11/16/93	19:55	--	1.1	--	--	0.18	1.20	0.96
11/16/93	20:00	--	1.1	--	--	0.18	1.20	0.95
11/16/93	20:05	--	1.0	--	--	0.17	1.20	0.87
11/16/93	20:10	--	1.2	--	--	0.14	1.00	0.73
11/16/93	20:15	--	1.2	--	--	0.20	1.20	0.97
11/16/93	20:20	--	1.4	--	--	0.20	1.20	0.98
11/16/93	20:25	--	1.5	--	--	0.21	1.20	0.97
11/16/93	20:30	--	1.4	--	--	0.21	1.30	0.94
11/16/93	20:35	--	1.4	--	--	0.22	1.40	0.95
11/16/93	21:00	--	1.5	--	--	0.28	1.70	0.92
11/16/93	21:15	--	1.9	--	--	0.24	1.80	0.94
11/16/93	21:30	--	1.9	--	--	0.18	1.60	0.92
11/16/93	21:45	--	1.7	--	--	0.14	1.50	1.00
11/16/93	22:00	--	1.5	--	--	0.14	1.40	1.00
11/16/93	22:15	--	1.2	--	--	0.14	1.40	1.00
11/16/93	22:30	--	1.4	--	--	0.13	1.40	1.10
11/16/93	22:45	--	1.3	--	--	0.14	1.40	1.10
11/17/93	08:35	--	1.1	--	--	0.22	1.20	1.00

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	19:05	9.7	1.3	3.2	4.50	5.20	1.00	0.13
05/20/90	03:50	3.5	2.0	1.6	0.40	1.50	0.77	0.02
05/20/90	04:20	3.5	2.1	1.6	0.47	1.40	0.81	0.07
05/20/90	04:50	3.2	2.0	1.6	0.40	1.20	0.89	0.02
06/09/90	15:40	5.4	4.3	4.2	0.14	1.10	0.21	0.07
06/09/90	15:55	24.0	13.0	13.0	0.12	11.00	5.50	0.01
06/09/90	16:10	13.0	4.7	4.6	0.09	8.30	3.70	0.01
06/09/90	16:40	11.3	5.4	5.2	0.17	5.90	6.00	0.01
06/14/90	14:00	13.4	9.4	9.0	0.44	4.00	5.40	0.12
06/14/90	14:15	2.6	0.5	0.2	0.29	2.10	5.50	0.18
06/14/90	14:30	1.9	0.2	0.1	0.13	1.70	5.40	0.01
06/14/90	15:00	2.1	0.4	0.3	0.12	1.70	4.70	0.01
06/14/90	17:05	2.9	0.9	0.8	0.15	2.00	3.60	0.01
06/14/90	17:50	2.3	0.5	0.3	0.17	1.80	4.40	0.01
06/14/90	18:05	3.1	0.6	0.2	0.41	2.50	6.30	0.08
06/14/90	18:20	2.0	0.3	0.1	0.21	1.70	5.20	0.01
06/14/90	18:35	2.0	0.8	0.7	0.13	1.20	4.60	0.01
06/22/90	02:05	21.6	17.6	17.0	0.55	4.00	9.10	0.02
06/22/90	02:20	15.9	12.8	12.0	0.77	3.10	8.40	0.09
06/22/90	02:35	36.6	33.7	33.0	0.65	2.90	14.00	0.08
06/22/90	03:05	19.4	16.7	16.0	0.72	2.70	8.30	0.19
07/11/90	22:25	4.1	3.2	2.8	0.35	0.90	0.50	0.26
07/11/90	22:40	8.3	6.6	6.2	0.38	1.70	1.30	0.10
07/11/90	22:55	7.0	5.5	5.2	0.31	1.50	1.40	0.07
07/11/90	23:10	6.5	4.9	4.6	0.30	1.60	1.40	0.09
10/03/90	21:15	2.6	2.3	2.1	0.18	0.30	1.70	0.18
10/03/90	22:00	2.7	2.1	1.6	0.45	0.60	0.30	0.11
10/03/90	22:30	1.9	1.7	1.5	0.16	0.20	0.38	0.15
10/04/90	02:00	1.2	1.0	0.9	0.09	0.20	0.27	0.06
10/04/90	02:15	1.3	1.1	1.0	0.09	0.20	0.37	0.26
10/04/90	02:30	1.8	1.6	1.5	0.14	0.20	0.61	0.06
10/04/90	03:00	2.1	1.9	1.7	0.18	0.20	0.46	0.05
10/04/90	03:30	1.4	1.2	1.0	0.16	0.20	0.32	0.05
01/06/91	04:35	1.6	1.3	1.2	0.13	0.30	0.42	0.03
01/06/91	04:45	1.4	1.1	1.0	0.11	0.30	0.57	0.05
01/06/91	05:15	1.4	1.3	1.2	0.09	0.10	0.54	0.04
01/06/91	06:45	1.4	1.3	1.2	0.08	0.10	0.40	0.05
01/06/91	09:45	1.1	0.9	0.8	0.09	0.20	0.42	0.08
01/06/91	10:45	1.0	0.9	0.8	0.06	0.10	0.32	0.05
01/06/91	17:20	1.1	0.9	0.9	0.05	0.20	0.28	0.04
01/06/91	17:30	0.9	0.8	0.7	0.06	0.10	0.31	0.03
01/06/91	19:00	0.8	0.7	0.7	0.05	0.10	0.29	0.04
01/06/91	20:00	0.9	0.8	0.8	0.05	0.10	0.30	0.07
01/06/91	21:00	0.9	0.8	0.8	0.05	0.10	0.33	0.04
01/06/91	22:00	0.9	0.8	0.8	0.05	0.10	0.28	0.04
01/06/91	23:00	0.8	0.7	0.7	0.05	0.10	0.34	0.03
01/06/91	24:00	0.7	0.6	0.6	0.04	0.10	0.32	0.03
01/07/91	13:30	1.1	0.7	0.7	0.04	0.40	0.28	0.05

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)
05/25/91	09:40	14.4	1.4	0.8	0.60	13.00	5.00	0.39
05/25/91	09:45	0.9	0.7	0.6	0.10	0.15	0.66	0.15
05/25/91	09:50	1.1	0.9	0.7	0.21	0.19	0.49	0.22
05/25/91	09:55	1.4	1.3	0.7	0.64	0.11	2.40	1.20
05/25/91	10:00	1.9	1.8	1.4	0.36	0.05	1.00	0.83
05/25/91	10:05	2.2	2.1	1.8	0.33	0.07	2.40	0.39
05/25/91	10:20	1.4	1.2	0.9	0.34	0.16	0.67	0.69
05/25/91	10:35	2.0	1.8	1.3	0.50	0.15	0.64	0.47
05/25/91	10:50	2.0	1.9	1.7	0.24	0.12	0.74	0.62
05/25/91	11:05	1.8	1.7	1.3	0.42	0.14	0.61	0.40
05/25/91	11:20	0.9	0.7	0.3	0.37	0.15	0.58	0.35
05/25/91	11:35	1.1	1.0	0.6	0.39	0.12	0.52	0.28
05/25/91	12:20	1.5	1.4	1.2	0.23	0.13	0.42	0.24
06/11/91	15:40	1.4	1.2	1.2	0.02	0.13	0.13	0.08
06/11/91	15:45	1.0	0.7	0.6	0.06	0.32	0.47	0.42
06/11/91	15:50	1.6	1.3	1.0	0.33	0.34	0.60	0.43
06/11/91	15:55	4.1	3.2	3.2	0.04	0.81	0.68	0.09
06/11/91	16:00	5.0	4.2	4.1	0.11	0.78	3.10	0.05
06/11/91	16:05	3.0	2.5	2.5	0.02	0.44	0.76	0.77
06/11/91	16:20	1.8	1.4	1.0	0.43	0.37	0.63	0.55
06/11/91	16:35	1.5	1.1	0.8	0.30	0.35	0.55	0.51
06/11/91	16:50	1.5	1.1	0.8	0.29	0.39	0.51	0.39
06/11/91	17:05	2.5	2.1	1.8	0.27	0.47	0.42	0.14
06/11/91	17:20	2.0	1.4	1.1	0.32	0.61	0.60	0.48
06/11/91	17:35	2.4	1.7	1.7	0.01	0.68	0.77	0.11
06/11/91	18:20	1.9	1.2	1.0	0.24	0.70	0.54	0.44
06/12/91	14:05	2.4	2.0	1.8	0.17	0.43	0.59	0.37
06/22/91	15:05	4.5	4.1	4.1	0.03	0.36	1.20	0.04
06/22/91	15:10	5.0	4.2	2.9	1.30	0.75	8.70	0.92
06/22/91	15:45	15.4	14.0	12.7	1.30	1.40	16.00	0.15
06/22/91	19:50	7.8	6.9	6.3	0.63	0.87	8.90	0.33
06/22/91	20:00	15.9	15.0	14.1	0.90	0.90	7.90	0.11
06/22/91	20:10	22.0	21.0	20.5	0.54	0.95	8.80	0.08
06/22/91	23:35	5.6	4.4	4.1	0.28	1.20	2.40	0.08
06/23/91	19:50	7.8	6.9	6.3	0.63	0.87	8.90	0.33
06/23/91	20:00	15.8	14.9	14.0	0.90	0.90	7.90	0.11
06/23/91	20:10	21.5	20.5	20.0	0.54	0.95	8.80	0.08
06/23/91	23:35	5.6	4.4	4.1	0.28	1.20	2.40	0.08
08/09/91	02:45	5.2	4.5	4.5	0.02	0.69	0.96	0.26
08/09/91	02:50	2.8	1.8	1.8	0.04	0.99	0.76	0.15
08/09/91	02:55	3.2	2.4	2.3	0.06	0.87	0.94	0.08
08/09/91	03:00	9.3	8.0	8.0	0.01	1.30	3.40	0.04
08/09/91	03:40	4.6	3.5	3.4	0.08	1.10	0.97	0.05
08/09/91	04:10	11.1	9.7	9.7	0.04	1.40	2.90	0.06
08/09/91	04:25	11.1	9.9	9.9	0.04	1.20	1.90	0.03
02/17/92	20:00	1.3	1.0	0.9	0.11	0.25	0.30	0.12
02/17/92	20:05	2.6	2.4	2.2	0.15	0.22	0.96	0.18
02/17/92	20:10	3.7	3.5	3.4	0.11	0.24	1.70	0.12
02/17/92	20:15	4.0	3.7	3.6	0.06	0.28	2.10	0.03
02/17/92	20:20	2.3	2.0	1.9	0.06	0.26	1.10	0.03

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)
02/17/92	20:25	1.7	1.4	1.3	0.07	0.27	0.74	0.03
02/17/92	20:30	1.6	1.3	1.1	0.22	0.26	0.48	0.21
02/17/92	20:35	1.6	1.3	1.2	0.08	0.28	0.57	0.02
02/17/92	20:40	1.3	1.1	1.0	0.07	0.23	0.52	0.02
02/17/92	20:45	1.6	1.4	1.3	0.06	0.24	0.57	0.02
02/17/92	20:50	1.3	1.1	1.0	0.06	0.22	0.50	0.02
02/17/92	20:55	3.2	3.0	2.8	0.21	0.22	1.30	0.26
02/17/92	21:05	1.8	1.5	1.4	0.05	0.26	0.66	0.03
02/17/92	21:10	1.5	1.3	1.2	0.05	0.23	0.62	0.02
02/17/92	21:15	1.8	1.6	1.5	0.05	0.23	0.62	0.03
02/17/92	21:20	1.8	1.6	1.5	0.06	0.23	0.77	0.02
02/17/92	21:25	1.4	1.2	1.0	0.21	0.24	0.56	0.23
02/17/92	21:30	1.4	1.1	1.0	0.05	0.27	0.44	0.02
02/17/92	21:35	1.7	1.4	1.3	0.05	0.27	0.61	0.03
02/17/92	21:40	2.0	1.7	1.6	0.06	0.26	0.83	0.03
02/17/92	21:45	1.4	1.1	1.0	0.06	0.26	0.44	0.02
02/17/92	21:50	2.1	1.8	1.6	0.21	0.26	0.75	0.20
02/17/92	21:55	1.3	1.0	0.8	0.17	0.27	0.41	0.19
02/17/92	22:40	2.1	1.8	1.8	0.04	0.29	0.78	0.03
02/17/92	22:45	1.9	1.6	1.5	0.05	0.31	0.62	0.03
02/17/92	22:50	1.2	0.9	0.8	0.15	0.31	0.36	0.17
02/17/92	22:55	1.3	1.0	1.0	0.05	0.34	0.37	0.04
02/17/92	23:00	2.2	1.9	1.8	0.07	0.32	0.77	0.04
02/18/92	11:10	1.5	1.0	0.9	0.13	0.53	0.35	0.12
03/18/92	02:30	3.4	2.9	2.9	0.02	0.53	1.70	0.01
03/18/92	02:35	3.3	2.8	2.8	0.01	0.47	1.50	0.01
03/18/92	02:45	3.1	2.7	2.7	0.01	0.42	1.60	0.01
03/18/92	02:50	4.1	3.6	3.6	0.01	0.51	1.90	0.01
03/18/92	02:55	5.2	4.7	4.7	0.02	0.50	2.60	0.01
03/18/92	03:00	4.7	4.3	4.3	0.01	0.39	1.70	0.01
03/18/92	03:30	4.4	4.1	4.1	0.01	0.30	1.70	0.01
03/18/92	03:35	5.1	0.0	4.8	4.80	0.28	1.80	0.01
03/18/92	03:45	5.0	4.8	4.8	0.01	0.24	1.40	0.01
03/18/92	03:50	3.2	3.0	3.0	0.01	0.22	1.10	0.01
03/18/92	04:00	2.1	1.9	1.9	0.02	0.23	0.97	0.01
03/18/92	04:15	3.5	3.3	3.3	0.01	0.21	1.80	0.01
03/18/92	04:20	2.5	2.3	2.3	0.02	0.23	1.20	0.01
03/18/92	04:25	2.6	2.4	2.4	0.01	0.22	1.20	0.01
03/18/92	04:30	2.1	1.9	1.9	0.02	0.23	0.90	0.01
03/18/92	04:35	2.1	1.9	1.9	0.02	0.23	0.88	0.01
03/18/92	04:45	2.0	1.8	1.8	0.02	0.23	0.79	0.02
03/18/92	05:00	3.1	2.8	2.8	0.01	0.27	1.60	0.02
03/18/92	05:05	3.1	2.8	2.8	0.02	0.27	1.60	0.01
03/18/92	05:10	3.4	3.1	3.1	0.01	0.30	1.70	0.01
03/18/92	05:20	2.5	2.2	2.2	0.01	0.34	1.20	0.01
03/18/92	05:25	3.6	3.2	3.2	0.01	0.41	1.60	0.01
03/18/92	05:30	4.0	3.6	3.6	0.01	0.41	2.00	0.01
03/18/92	05:35	3.8	3.4	3.4	0.01	0.41	2.00	0.01
03/18/92	05:40	3.4	3.0	3.0	0.02	0.36	1.70	0.01
04/20/92	05:50	2.0	1.5	1.3	0.19	0.50	0.44	0.04
04/20/92	05:55	1.9	1.4	1.1	0.25	0.49	0.49	0.09
04/20/92	06:00	2.7	2.0	1.5	0.47	0.70	0.74	0.11
04/20/92	06:05	3.0	2.3	1.3	1.00	0.67	0.74	0.10
04/20/92	06:10	4.0	3.3	2.3	0.99	0.71	1.50	0.10

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
04/20/92	06:15	3.3	2.8	2.3	0.54	0.51	1.30	0.03
04/20/92	06:20	1.6	1.1	0.8	0.35	0.52	0.37	0.01
04/20/92	06:25	1.3	0.7	0.3	0.36	0.62	0.12	0.01
04/20/92	06:30	2.0	1.1	0.7	0.43	0.90	0.26	0.02
04/20/92	06:35	2.3	1.4	0.9	0.47	0.89	0.42	0.02
04/20/92	06:40	2.7	1.7	1.2	0.51	0.96	0.55	0.03
04/20/92	06:45	3.2	2.2	1.6	0.56	0.96	0.98	0.04
04/20/92	06:50	2.8	2.7	2.1	0.64	1.00	1.20	0.04
04/20/92	06:55	3.8	2.8	2.1	0.69	1.00	1.20	0.05
04/20/92	07:00	3.4	2.3	1.6	0.72	1.10	0.80	0.05
04/20/92	07:05	4.3	3.2	2.5	0.73	1.10	1.50	0.05
04/20/92	07:10	3.7	2.6	1.9	0.69	1.10	1.10	0.04
04/20/92	07:15	4.4	3.3	2.6	0.72	1.10	1.50	0.09
04/20/92	07:20	3.6	2.4	1.7	0.74	1.20	0.92	0.13
04/20/92	07:25	3.9	2.7	2.0	0.67	1.20	1.20	0.04
04/20/92	07:30	5.7	4.5	3.9	0.64	1.20	1.20	0.05
04/20/92	07:35	3.7	2.5	1.9	0.64	1.20	1.10	0.04
04/20/92	07:40	4.2	3.2	2.5	0.67	1.00	1.50	0.04
04/20/92	08:15	4.5	3.4	2.7	0.71	1.10	1.60	0.08
04/20/92	08:40	4.2	3.2	2.5	0.66	1.00	1.50	0.07
04/20/92	08:45	4.5	3.4	2.8	0.55	1.10	1.70	0.04
04/20/92	08:50	4.5	3.5	3.0	0.52	0.97	1.70	0.04
04/20/92	08:55	3.4	2.4	1.9	0.48	0.97	1.00	0.03
04/20/92	09:00	3.5	2.5	2.0	0.55	1.00	1.20	0.13
04/20/92	09:10	4.1	3.1	2.6	0.48	0.97	1.50	0.05
04/20/92	09:15	4.0	3.0	2.5	0.48	1.00	1.40	0.04
04/20/92	09:20	4.3	3.2	2.7	0.52	1.10	1.50	0.06
04/20/92	09:25	3.7	2.7	2.1	0.56	1.00	1.30	0.05
04/20/92	09:30	4.5	3.5	2.9	0.62	1.00	1.60	0.06
04/20/92	09:35	4.4	3.3	2.7	0.63	1.10	1.60	0.05
04/20/92	09:40	4.6	3.6	3.0	0.59	1.00	1.70	0.05
04/20/92	09:45	4.5	3.5	2.9	0.56	0.98	1.60	0.05
04/20/92	09:50	4.5	3.5	3.0	0.52	0.96	1.70	0.05
04/20/92	09:55	4.1	3.1	2.6	0.45	1.00	1.50	0.03
04/20/92	10:00	4.2	3.3	2.8	0.48	0.94	1.60	0.05
04/20/92	10:05	4.6	3.6	3.1	0.46	0.95	1.70	0.04
04/20/92	11:35	3.1	2.3	1.8	0.49	0.84	0.78	0.06
04/20/92	11:40	3.3	2.5	2.0	0.51	0.84	0.81	0.07
05/29/92	08:20	2.5	1.5	1.5	0.04	1.00	1.20	0.05
05/29/92	08:25	4.6	3.3	3.2	0.06	1.30	1.90	0.02
05/29/92	08:30	4.7	3.5	3.4	0.06	1.20	3.10	0.01
05/29/92	08:35	1.8	0.7	0.6	0.06	1.10	0.37	0.01
05/29/92	08:40	2.6	1.5	1.4	0.06	1.10	0.79	0.01
05/29/92	08:45	3.4	2.0	1.9	0.06	1.40	1.20	0.01
05/29/92	08:50	4.6	3.3	3.2	0.07	1.30	1.80	0.01
05/29/92	08:55	3.7	2.5	2.4	0.06	1.20	1.40	0.01
05/29/92	09:00	4.0	2.8	2.7	0.06	1.20	1.60	0.01
05/29/92	09:05	3.4	2.3	2.2	0.06	1.10	1.40	0.02
05/29/92	09:10	3.6	2.6	2.5	0.05	1.00	1.50	0.03
05/29/92	09:15	3.0	2.0	1.9	0.06	1.00	1.30	0.03
05/29/92	09:20	1.8	0.8	0.7	0.06	0.98	0.44	0.02
05/29/92	09:25	2.9	1.9	1.8	0.06	0.96	1.10	0.01
05/29/92	09:30	4.2	3.3	3.2	0.06	0.92	1.80	0.01
05/29/92	09:35	4.8	3.8	3.7	0.07	0.95	2.80	0.01
05/29/92	09:40	2.3	1.3	1.2	0.07	1.00	0.61	0.01
05/29/92	09:55	2.4	1.3	1.2	0.07	1.10	0.62	0.01

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)
05/29/92	10:00	3.9	2.9	2.8	0.06	0.98	1.60	0.02
05/29/92	10:05	3.0	2.1	2.0	0.10	0.86	1.10	0.02
05/29/92	10:10	3.9	2.9	2.8	0.08	1.00	1.50	0.01
05/29/92	10:15	2.9	0.8	0.7	0.11	2.10	0.31	0.10
05/29/92	10:40	6.3	4.3	4.0	0.29	2.00	5.30	0.02
05/29/92	10:45	4.9	2.7	2.4	0.31	2.20	1.60	0.02
05/29/92	10:50	3.8	3.0	2.8	0.20	0.81	1.80	0.03
05/29/92	10:55	6.6	3.9	3.5	0.35	2.70	3.90	0.05
05/29/92	11:00	6.1	3.4	3.1	0.33	2.70	3.10	0.02
05/29/92	11:05	7.0	4.4	4.0	0.35	2.60	4.60	0.04
05/29/92	11:10	6.6	4.1	3.7	0.35	2.50	4.60	0.02
05/29/92	11:15	4.9	2.5	2.1	0.35	2.40	3.00	0.01
05/29/92	11:20	5.4	3.1	2.7	0.36	2.30	1.80	0.01
05/29/92	11:25	6.6	4.3	3.9	0.40	2.30	4.40	0.03
05/29/92	11:30	7.3	4.9	4.5	0.36	2.40	4.00	0.02
05/29/92	11:35	6.3	3.9	3.5	0.36	2.40	3.40	0.02
05/29/92	11:40	5.5	3.1	2.7	0.39	2.40	3.10	0.03
05/29/92	11:45	5.2	2.8	2.4	0.39	2.40	1.70	0.04
05/29/92	11:50	6.4	4.0	3.7	0.34	2.40	3.60	0.02
05/29/92	11:55	6.7	4.3	3.9	0.35	2.40	4.20	0.01
05/29/92	12:00	7.1	4.8	4.4	0.38	2.30	3.60	0.02
05/29/92	12:05	7.9	5.5	5.1	0.38	2.40	5.10	0.01
05/29/92	12:10	6.1	3.5	3.1	0.40	2.60	2.70	0.02
05/29/92	12:15	5.4	2.7	2.3	0.39	2.70	1.60	0.02
05/29/92	12:20	7.0	4.2	3.8	0.38	2.80	3.60	0.01
05/29/92	12:25	6.2	3.5	3.1	0.40	2.70	2.60	0.02
05/29/92	12:30	7.4	4.9	4.5	0.37	2.50	3.70	0.02
05/29/92	12:35	8.3	5.9	5.5	0.38	2.40	4.70	0.01
05/29/92	12:45	8.3	6.1	5.7	0.36	2.20	4.80	0.01
05/29/92	17:00	3.2	2.4	2.2	0.19	0.82	1.30	0.04
05/29/92	17:05	2.9	2.1	1.9	0.21	0.82	1.20	0.03
05/29/92	17:10	1.8	0.2	2.0	0.81	1.20	0.03	
06/03/92	03:00	5.7	2.9	2.4	0.46	2.80	2.60	0.30
06/03/92	03:20	6.1	4.3	3.5	0.76	1.80	5.30	0.07
06/03/92	03:25	3.6	1.6	0.9	0.68	2.00	0.38	0.08
06/03/92	03:30	4.7	2.7	1.9	0.81	2.00	1.10	0.12
06/03/92	03:35	7.2	4.9	4.3	0.56	2.30	4.70	0.06
06/03/92	03:40	4.8	3.6	3.4	0.23	1.20	3.80	0.03
06/03/92	03:45	4.1	1.8	1.1	0.73	2.30	0.14	0.06
06/03/92	04:00	5.1	3.7	3.5	0.19	1.40	3.30	0.03
06/03/92	04:05	4.8	3.6	3.3	0.26	1.20	3.10	0.06
06/03/92	04:10	5.1	3.9	3.6	0.27	1.20	3.10	0.07
06/03/92	04:15	3.7	2.3	2.1	0.15	1.40	1.40	0.04
06/03/92	04:20	3.7	2.5	2.3	0.23	1.20	1.50	0.03
06/03/92	04:25	3.3	2.0	1.8	0.22	1.30	1.80	0.03
06/03/92	04:30	4.9	1.2	1.0	0.22	3.70	0.72	0.65
06/03/92	04:35	3.3	2.0	1.8	0.21	1.30	2.20	0.03
06/03/92	04:40	3.8	2.4	2.2	0.19	1.40	1.40	0.04
06/03/92	04:45	3.2	1.9	1.7	0.17	1.30	1.20	0.07
06/03/92	08:00	3.2	2.2	2.1	0.12	1.00	1.20	0.03
06/03/92	08:05	2.5	1.5	1.4	0.11	1.00	0.82	0.03
06/03/92	08:10	2.1	1.1	1.0	0.11	1.00	0.64	0.03
06/03/92	08:15	2.3	1.3	1.2	0.11	1.00	0.78	0.03
06/03/92	08:20	2.7	1.7	1.6	0.11	1.00	0.91	0.03
06/03/92	08:25	4.3	3.3	3.2	0.12	1.00	1.90	0.03
06/03/92	08:30	1.7	0.7	0.6	0.11	1.00	0.37	0.03

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
06/03/92	08:35	2.6	1.6	1.5	0.10	1.00	0.91	0.03
06/03/92	08:40	2.7	1.7	1.6	0.11	1.00	0.95	0.03
06/03/92	08:45	4.4	3.4	3.3	0.11	1.00	1.90	0.03
06/03/92	08:50	4.0	3.0	2.9	0.12	1.00	1.60	0.03
06/03/92	08:55	2.5	1.5	1.4	0.12	1.00	0.84	0.03
06/03/92	09:00	2.9	1.9	1.8	0.12	1.00	1.10	0.03
06/03/92	09:05	5.4	4.3	4.2	0.14	1.10	3.60	0.03
06/03/92	09:10	2.2	1.1	1.0	0.13	1.10	0.55	0.03
06/03/92	09:15	2.3	1.2	1.1	0.14	1.10	0.62	0.02
06/03/92	09:20	2.7	1.6	1.4	0.16	1.10	0.86	0.03
06/03/92	09:25	3.9	2.7	2.5	0.16	1.20	1.50	0.03
06/03/92	09:30	2.8	1.7	1.5	0.15	1.20	0.85	0.03
06/03/92	09:35	2.9	1.7	1.6	0.14	1.20	0.98	0.03
06/03/92	09:40	2.2	1.0	0.8	0.16	1.20	0.48	0.02
06/03/92	09:45	3.1	1.9	1.7	0.17	1.20	1.00	0.02
06/03/92	09:50	3.5	2.4	2.2	0.16	1.10	1.40	0.02
06/03/92	09:55	3.8	2.7	2.5	0.15	1.10	1.70	0.02
06/26/92	03:05	3.6	3.0	2.9	0.12	0.58	1.60	0.05
06/26/92	03:10	2.4	2.0	1.9	0.08	0.37	1.40	0.03
06/26/92	03:15	2.8	2.5	2.4	0.08	0.31	1.90	0.04
06/26/92	03:20	2.6	2.3	2.2	0.06	0.31	1.90	0.03
06/26/92	03:25	3.8	3.4	3.3	0.07	0.38	2.50	0.02
06/26/92	03:30	3.8	3.2	3.1	0.09	0.58	2.00	0.02
06/26/92	03:35	3.9	3.3	3.2	0.11	0.57	1.80	0.01
06/26/92	03:40	3.3	2.8	2.7	0.14	0.50	1.60	0.01
06/26/92	03:45	3.6	3.1	3.0	0.12	0.46	1.80	0.02
06/26/92	03:50	4.1	3.6	3.5	0.10	0.45	2.70	0.01
07/17/92	04:00	2.4	2.2	2.1	0.09	0.24	0.96	0.06
07/17/92	04:05	1.7	1.5	1.4	0.10	0.18	0.92	0.04
07/17/92	04:10	2.1	1.9	1.8	0.07	0.18	1.20	0.03
07/17/92	04:15	2.4	2.2	2.1	0.05	0.17	1.30	0.04
07/17/92	04:20	2.6	2.3	2.2	0.06	0.25	1.10	0.02
07/17/92	04:25	2.3	2.1	2.0	0.05	0.21	1.10	0.01
07/17/92	04:30	1.7	1.5	1.4	0.06	0.20	0.82	0.02
07/17/92	04:35	1.9	1.7	1.7	0.04	0.22	0.95	0.01
07/17/92	04:40	1.6	1.4	1.4	0.04	0.21	0.77	0.01
07/17/92	04:50	2.5	2.2	2.2	0.03	0.25	1.20	0.01
07/17/92	04:55	2.8	2.5	2.5	0.03	0.26	1.20	0.01
07/17/92	05:00	1.9	1.6	1.6	0.02	0.29	0.82	0.01
07/17/92	05:05	1.6	1.3	1.3	0.02	0.31	0.70	0.01
07/17/92	05:10	2.1	1.8	1.8	0.02	0.33	0.96	0.01
07/17/92	05:15	2.0	1.7	1.7	0.03	0.32	0.92	0.01
07/17/92	05:20	1.5	1.2	1.2	0.02	0.30	0.62	0.01
07/17/92	05:25	1.7	1.4	1.4	0.02	0.30	0.77	0.01
07/17/92	05:30	1.7	1.4	1.4	0.02	0.29	0.73	0.01
07/17/92	05:35	2.0	1.7	1.7	0.04	0.31	0.97	0.03
07/17/92	05:40	1.8	1.5	1.5	0.02	0.31	0.81	0.01
07/17/92	05:45	1.4	1.1	1.1	0.02	0.32	0.60	0.01
07/17/92	05:50	1.7	1.4	1.4	0.01	0.33	0.76	0.01
07/17/92	05:55	0.7	0.3	0.3	0.02	0.35	0.06	0.01
09/21/92	16:45	1.2	1.1	1.1	0.04	0.05	0.38	0.08
09/21/92	16:50	1.5	1.4	1.4	0.01	0.05	0.41	0.08
09/21/92	16:55	1.4	1.3	1.3	0.01	0.05	0.42	0.09

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	02:15	1.9	1.8	1.7	0.06	0.05	1.10	0.14
09/22/92	02:20	2.0	1.9	1.8	0.06	0.05	1.20	0.39
09/22/92	02:25	1.2	1.1	1.1	0.04	0.07	0.90	0.52
09/22/92	02:30	1.9	1.8	1.8	0.03	0.05	1.30	0.46
09/22/92	02:35	1.2	1.1	1.1	0.03	0.05	0.85	0.40
09/22/92	02:40	1.8	1.7	1.7	0.03	0.05	1.40	0.28
09/22/92	02:45	1.9	1.8	1.8	0.03	0.05	1.30	0.23
09/22/92	02:50	1.7	1.6	1.6	0.03	0.06	1.10	0.15
09/22/92	02:55	1.3	1.2	1.2	0.02	0.05	0.66	0.11
09/22/92	03:00	1.2	1.1	1.1	0.01	0.05	0.51	0.11
09/22/92	03:05	1.1	1.0	1.0	0.02	0.05	0.50	0.12
09/22/92	03:10	0.9	0.8	0.8	0.01	0.05	0.40	0.12
09/22/92	03:15	0.9	0.8	0.8	0.01	0.05	0.34	0.13
09/22/92	03:20	1.0	0.9	0.9	0.02	0.05	0.39	0.13
09/22/92	03:25	1.0	0.9	0.9	0.01	0.05	0.42	0.14
09/22/92	03:30	1.1	1.0	1.0	0.02	0.05	0.42	0.14
09/22/92	03:35	1.1	1.0	1.0	0.01	0.05	0.51	0.14
09/22/92	03:40	1.0	0.9	0.9	0.01	0.05	0.42	0.14
09/22/92	03:45	0.9	0.8	0.8	0.01	0.05	0.40	0.14
09/22/92	03:50	0.9	0.8	0.8	0.01	0.05	0.40	0.15
09/22/92	03:55	0.8	0.7	0.7	0.02	0.05	0.35	0.15
09/22/92	04:00	1.0	0.9	0.9	0.01	0.05	0.39	0.15
09/22/92	04:05	1.2	1.1	1.1	0.01	0.05	0.52	0.16
09/22/92	04:10	1.1	1.0	1.1	0.01	0.05	0.40	0.16
09/22/92	04:25	1.0	0.9	0.8	0.06	0.05	0.47	0.18
09/22/92	04:30	1.1	1.0	0.9	0.06	0.05	0.52	0.18
09/22/92	04:35	1.0	0.9	0.8	0.06	0.05	0.42	0.18
09/22/92	04:40	1.0	0.9	0.8	0.06	0.05	0.47	0.18
09/22/92	04:45	0.9	0.8	0.7	0.06	0.05	0.41	0.18
09/22/92	04:50	1.3	1.2	1.1	0.06	0.05	0.55	0.18
09/22/92	04:55	1.0	0.9	0.8	0.06	0.06	0.45	0.18
09/22/92	05:00	1.2	1.1	1.0	0.06	0.05	0.48	0.18
09/22/92	05:05	1.3	1.2	1.1	0.05	0.05	0.56	0.17
09/22/92	05:10	2.3	2.2	2.1	0.06	0.05	0.48	0.17
09/22/92	05:15	1.2	1.1	1.0	0.05	0.05	0.51	0.17
09/22/92	05:20	1.2	1.1	1.0	0.05	0.05	0.48	0.16
09/22/92	05:25	1.2	1.1	1.0	0.06	0.05	0.49	0.17
09/22/92	05:30	1.1	1.0	1.0	0.05	0.05	0.43	0.16
09/22/92	05:35	1.0	0.9	0.9	0.05	0.05	0.40	0.16
09/22/92	05:40	1.2	1.1	1.0	0.06	0.05	0.45	0.17
09/22/92	05:45	1.1	1.0	0.9	0.06	0.05	0.47	0.16
09/22/92	05:50	1.2	1.1	1.0	0.05	0.05	0.42	0.16
09/22/92	05:55	1.2	1.1	1.0	0.05	0.05	0.40	0.16
09/22/92	06:00	0.9	0.8	0.8	0.05	0.05	0.33	0.16
09/22/92	06:05	0.9	0.9	0.9	0.05	0.05	0.35	0.16
09/22/92	06:10	1.1	1.0	1.0	0.05	0.05	0.39	0.15
09/22/92	06:15	1.0	0.9	0.9	0.04	0.05	0.33	0.15
09/22/92	06:20	1.2	1.1	1.0	0.05	0.05	0.41	0.15
09/22/92	06:35	1.0	0.9	0.9	0.04	0.05	0.31	0.14
09/22/92	06:40	0.9	0.8	0.8	0.04	0.05	0.30	0.15
09/22/92	06:45	1.4	1.3	1.3	0.04	0.05	0.42	0.14
09/22/92	06:50	1.7	1.6	1.6	0.04	0.05	0.48	0.14
09/22/92	06:55	1.3	1.2	1.2	0.03	0.05	0.40	0.14
09/22/92	07:00	1.1	1.0	1.0	0.04	0.05	0.36	0.13
09/22/92	07:05	1.2	1.1	1.1	0.03	0.05	0.39	0.13
09/22/92	07:10	1.2	1.1	1.1	0.03	0.05	0.40	0.13
09/22/92	07:15	1.0	0.9	0.9	0.03	0.05	0.29	0.13

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	07:20	1.2	1.1	1.1	0.03	0.05	0.38	0.13
09/22/92	07:25	1.6	1.5	1.5	0.04	0.05	0.44	0.13
09/22/92	07:30	1.0	0.9	0.9	0.03	0.05	0.30	0.13
09/22/92	07:35	1.3	1.2	1.2	0.04	0.05	0.33	0.14
09/22/92	07:40	1.3	1.2	1.2	0.04	0.05	0.41	0.13
09/22/92	07:45	1.3	1.2	1.2	0.04	0.05	0.41	0.13
09/22/92	07:50	1.1	1.0	1.0	0.04	0.05	0.32	0.14
09/22/92	07:55	1.4	1.3	1.2	0.05	0.05	0.40	0.14
09/22/92	08:00	1.1	1.0	1.0	0.05	0.05	0.33	0.14
09/22/92	08:05	1.3	1.2	1.1	0.05	0.05	0.39	0.14
09/22/92	08:10	1.5	1.4	1.3	0.06	0.05	0.39	0.14
09/22/92	08:15	1.1	1.0	0.9	0.06	0.05	0.33	0.14
09/22/92	08:20	1.3	1.2	1.1	0.06	0.05	0.40	0.15
09/22/92	08:25	1.0	0.9	0.8	0.06	0.05	0.31	0.15
09/22/92	08:30	1.2	1.1	1.0	0.07	0.05	0.34	0.15
10/30/92	06:50	1.1	1.0	1.0	0.02	0.08	0.51	0.31
10/30/92	06:55	1.9	1.7	1.7	0.02	0.23	0.66	0.27
10/30/92	07:00	1.1	1.0	1.0	0.02	0.06	0.48	0.30
10/30/92	07:05	1.1	1.0	1.0	0.02	0.09	0.64	0.50
10/30/92	07:10	1.3	1.1	1.1	0.02	0.16	0.83	0.64
10/30/92	07:15	1.4	1.2	1.2	0.02	0.23	0.93	0.76
10/30/92	07:20	1.7	1.5	1.5	0.02	0.24	1.00	0.80
10/30/92	07:25	1.7	1.4	1.4	0.02	0.25	1.10	0.85
10/30/92	07:30	2.0	1.7	1.7	0.02	0.26	1.20	0.91
10/30/92	07:35	1.9	1.6	1.6	0.03	0.25	1.20	0.90
10/30/92	07:40	1.9	1.6	1.6	0.03	0.26	1.40	0.77
10/30/92	07:45	2.9	2.5	2.5	0.03	0.35	3.10	0.44
10/30/92	07:50	2.9	2.6	2.6	0.02	0.33	2.50	0.39
10/30/92	07:55	3.9	3.6	3.6	0.04	0.27	2.90	0.36
10/30/92	08:00	2.4	2.2	2.2	0.02	2.20	1.50	0.28
10/30/92	08:05	1.1	0.9	0.9	0.02	0.19	0.56	0.22
10/30/92	08:10	1.6	1.4	1.4	0.03	0.22	0.98	0.23
10/30/92	08:15	2.2	2.0	2.0	0.02	0.23	0.98	0.23
10/30/92	08:20	1.9	1.7	1.7	0.03	0.22	0.99	0.23
10/30/92	08:25	2.1	1.9	1.9	0.02	0.20	0.97	0.22
10/30/92	08:30	2.5	2.3	2.3	0.02	0.21	1.10	0.23
10/30/92	08:35	1.9	1.7	1.7	0.02	0.20	0.88	0.22
10/30/92	08:40	2.2	2.0	2.0	0.02	0.19	1.00	0.23
10/30/92	08:45	2.0	1.8	1.8	0.01	0.19	0.94	0.24
10/30/92	08:50	1.6	1.4	1.4	0.01	0.18	0.80	0.26
10/30/92	09:20	1.8	1.6	1.6	0.03	0.19	0.97	0.28
10/30/92	09:25	1.7	1.5	1.5	0.03	0.02	0.93	0.29
10/30/92	09:30	2.0	1.7	1.7	0.03	0.25	0.98	0.29
10/30/92	09:35	1.8	1.6	1.6	0.03	0.21	0.98	0.29
10/30/92	09:40	2.0	1.7	1.7	0.03	0.25	0.92	0.30
10/30/92	09:45	2.2	2.0	2.0	0.04	0.23	1.10	0.31
10/30/92	09:50	1.9	1.7	1.7	0.03	0.24	1.10	0.31
10/30/92	09:55	2.0	1.8	1.8	0.02	0.20	0.94	0.30
10/30/92	10:00	1.7	1.5	1.5	0.03	0.22	0.71	0.32
10/30/92	10:05	1.8	1.6	1.6	0.03	0.22	0.81	0.31
10/30/92	10:10	1.8	1.6	1.6	0.02	0.21	0.89	0.31
10/30/92	10:15	1.8	1.5	1.5	0.02	0.25	0.88	0.31
10/30/92	10:20	2.0	1.8	1.8	0.03	0.21	0.84	0.30
10/30/92	10:25	1.9	1.7	1.7	0.02	0.21	0.85	0.30
10/30/92	10:30	1.8	1.6	1.6	0.03	0.21	0.79	0.29
10/30/92	10:35	2.0	1.8	1.8	0.02	0.22	0.85	0.29

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
10/30/92	10:40	1.6	1.4	1.4	0.03	0.22	0.72	0.29
10/30/92	10:45	1.9	1.7	1.7	0.03	0.20	0.83	0.29
10/30/92	10:50	2.0	1.8	1.8	0.03	0.20	0.84	0.29
10/30/92	10:55	1.9	1.7	1.7	0.03	0.22	0.81	0.28
10/30/92	11:00	1.8	1.6	1.6	0.03	0.22	0.76	0.28
10/30/92	11:05	1.7	1.5	1.5	0.03	0.22	0.80	0.28
10/30/92	11:10	2.0	1.8	1.8	0.03	0.22	0.89	0.28
10/30/92	11:15	1.5	1.3	1.3	0.03	0.19	0.68	0.28
10/30/92	11:20	1.8	1.6	1.6	0.03	0.19	0.78	0.26
10/30/92	11:25	1.6	1.4	1.4	0.02	0.19	0.70	0.26
10/30/92	11:30	1.5	1.3	1.3	0.03	0.19	0.65	0.27
10/30/92	11:35	1.9	1.7	1.7	0.03	0.20	0.81	0.27
10/30/92	11:40	1.8	1.6	1.6	0.02	0.19	0.72	0.27
10/30/92	11:45	1.7	1.5	1.5	0.03	0.21	0.70	0.28
10/30/92	11:55	1.9	1.7	1.7	0.02	0.20	0.68	0.27
10/30/92	12:00	1.8	1.6	1.6	0.03	0.22	0.71	0.27
10/30/92	12:05	1.8	1.6	1.6	0.02	0.21	0.66	0.27
10/30/92	12:10	1.7	1.5	1.5	0.03	0.21	0.69	0.28
10/30/92	12:15	1.8	1.6	1.6	0.03	0.22	0.72	0.28
10/30/92	12:20	1.8	1.6	1.6	0.03	0.19	0.63	0.28
10/30/92	12:25	1.9	1.7	1.7	0.03	0.22	0.71	0.27
10/30/92	12:30	1.9	1.7	1.7	0.02	0.19	0.65	0.27
10/30/92	12:35	1.8	1.6	1.6	0.03	0.23	0.67	0.27
10/30/92	12:40	1.9	1.7	1.7	0.02	0.21	0.70	0.27
10/30/92	12:45	1.7	1.5	1.5	0.03	0.19	0.66	0.28
10/30/92	12:50	2.0	1.8	1.8	0.04	0.21	0.67	0.28
10/30/92	13:00	1.7	1.5	1.5	0.02	0.20	0.62	0.26
10/30/92	13:05	1.8	1.6	1.6	0.02	0.19	0.64	0.27
10/30/92	13:10	2.0	1.8	1.8	0.02	0.21	0.68	0.27
10/30/92	13:15	2.0	1.8	1.8	0.03	0.20	0.66	0.27
10/30/92	13:50	2.1	1.9	1.9	0.02	0.15	0.63	0.24
10/30/92	13:55	1.4	1.2	1.2	0.02	0.15	0.49	0.24
10/30/92	14:00	1.9	1.8	1.8	0.02	0.14	0.58	0.24
10/30/92	14:05	1.7	1.6	1.6	0.01	0.13	0.60	0.24
10/30/92	14:10	1.9	1.7	1.7	0.03	0.15	0.57	0.24
10/30/92	14:15	1.6	1.4	1.4	0.02	0.16	0.53	0.24
10/30/92	14:20	2.0	1.8	1.8	0.01	0.16	0.59	0.23
10/30/92	14:25	1.7	1.6	1.6	0.02	0.13	0.54	0.23
10/30/92	14:30	1.9	1.7	1.7	0.01	0.16	0.53	0.23
10/30/92	14:35	1.9	1.8	1.8	0.02	0.14	0.55	0.23
10/30/92	14:40	2.0	1.9	1.9	0.02	0.14	0.56	0.23
10/30/92	14:45	1.8	1.7	1.7	0.02	0.14	0.55	0.23
10/30/92	14:50	2.1	1.9	1.9	0.02	0.15	0.56	0.23
10/30/92	14:55	1.9	1.8	1.8	0.02	0.14	0.54	0.23
10/30/92	15:00	1.8	1.7	1.7	0.01	0.14	0.52	0.23
10/30/92	15:05	1.6	1.5	1.5	0.02	0.13	0.52	0.23
10/30/92	15:10	2.1	1.9	1.9	0.02	0.15	0.56	0.23
10/30/92	15:15	1.9	1.8	1.8	0.01	0.14	0.52	0.23
10/30/92	15:20	1.9	1.8	1.8	0.01	0.13	0.53	0.23
10/30/92	15:25	1.9	1.8	1.8	0.02	0.14	0.54	0.22
10/30/92	15:30	1.7	1.6	1.6	0.01	0.13	0.53	0.22
11/12/92	07:00	0.8	0.7	0.6	0.06	0.13	0.27	0.13
11/12/92	07:05	0.8	0.7	0.6	0.07	0.09	0.27	0.14
11/12/92	07:10	0.9	0.8	0.7	0.08	0.12	0.35	0.24
11/12/92	07:15	0.2	0.8	0.7	0.12	0.08	0.31	0.14
11/12/92	07:20	0.9	0.8	0.7	0.06	0.14	0.43	0.26

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	07:25	1.3	1.1	1.0	0.08	0.23	0.68	0.55
11/12/92	07:30	1.5	1.2	1.1	0.07	0.26	0.80	0.65
11/12/92	07:40	1.5	1.1	1.0	0.12	0.39	0.92	0.77
11/12/92	07:45	1.6	1.2	1.0	0.17	0.39	0.98	0.83
11/12/92	07:50	1.7	1.4	1.3	0.13	0.30	0.93	0.55
11/12/92	07:55	2.0	1.7	1.6	0.14	0.32	1.10	0.54
11/12/92	08:00	2.0	1.9	1.9	0.04	0.12	1.30	0.25
11/12/92	08:05	2.8	2.4	2.3	0.07	0.38	4.70	0.45
11/12/92	08:10	3.3	2.9	2.9	0.04	0.40	5.70	0.41
11/12/92	08:15	1.7	1.5	1.5	0.03	0.21	2.00	0.26
11/12/92	08:20	2.5	2.2	2.1	0.05	0.34	1.60	0.28
11/12/92	08:25	2.6	2.1	2.0	0.05	0.54	1.30	0.38
11/12/92	08:30	2.6	2.2	2.1	0.05	0.43	1.40	0.36
11/12/92	08:35	2.4	2.2	2.2	0.04	0.18	1.30	0.27
11/12/92	08:40	2.3	2.1	2.0	0.05	0.24	1.20	0.24
11/12/92	08:45	2.7	2.2	2.3	0.05	0.42	1.40	0.40
11/12/92	08:50	2.5	2.0	2.0	0.04	0.42	1.20	0.41
11/12/92	08:55	2.5	2.1	2.1	0.03	0.37	1.30	0.42
11/12/92	09:05	2.7	2.3	2.3	0.04	0.38	1.50	0.42
11/12/92	09:10	2.6	2.2	2.2	0.03	0.35	1.40	0.41
11/12/92	09:15	3.1	2.8	2.8	0.03	0.34	1.70	0.42
11/12/92	09:20	3.2	2.8	2.8	0.03	0.35	1.60	0.41
11/12/92	09:25	3.1	2.8	2.8	0.02	0.34	1.90	0.40
11/12/92	09:30	3.6	3.3	3.3	0.02	0.34	2.20	0.38
11/12/92	09:35	3.6	3.2	3.2	0.03	0.37	1.90	0.36
11/12/92	09:40	3.4	3.0	3.0	0.03	0.38	1.80	0.35
11/12/92	09:45	3.3	2.9	2.9	0.03	0.37	1.70	0.34
11/12/92	09:50	3.9	3.5	3.5	0.03	0.39	1.90	0.32
11/12/92	09:55	5.1	4.7	4.7	0.04	0.43	2.30	0.30
11/12/92	10:00	4.3	3.9	3.9	0.03	0.41	2.70	0.30
11/12/92	10:05	4.6	4.2	4.2	0.03	0.43	2.70	0.29
11/12/92	10:10	4.0	3.5	3.5	0.03	0.48	2.80	0.27
11/12/92	10:15	4.1	3.5	3.4	0.07	0.60	2.70	0.26
11/12/92	10:20	4.1	3.6	3.6	0.04	0.47	1.90	0.26
11/12/92	10:25	5.1	4.6	4.6	0.03	0.49	2.70	0.25
11/20/92	17:25	1.0	0.9	0.9	0.01	0.12	0.40	0.11
11/20/92	17:30	1.0	0.9	0.9	0.04	0.07	0.30	0.18
11/20/92	17:40	0.7	0.6	0.6	0.04	0.08	0.29	0.14
11/20/92	17:45	1.0	0.9	0.9	0.02	0.07	0.32	0.17
11/20/92	17:50	1.1	1.0	1.0	0.03	0.10	0.34	0.14
11/20/92	17:55	0.9	0.8	0.7	0.06	0.07	0.35	0.21
11/20/92	18:00	1.8	1.5	1.5	0.05	0.31	0.65	0.28
11/20/92	19:55	3.2	2.4	2.4	0.04	0.75	1.40	0.39
11/20/92	20:00	3.3	2.6	2.5	0.05	0.74	1.40	0.38
11/20/92	20:05	3.2	2.5	2.4	0.06	0.72	1.50	0.37
11/20/92	20:10	3.2	2.5	2.4	0.06	0.66	1.50	0.35
11/20/92	20:15	3.6	2.9	2.8	0.08	0.67	1.80	0.36
11/20/92	20:20	3.1	3.0	2.9	0.09	0.07	1.50	0.36
11/20/92	20:25	3.7	3.0	2.9	0.07	0.70	1.60	0.35
11/20/92	20:30	3.5	2.8	2.7	0.10	0.70	1.40	0.35
11/20/92	20:35	3.6	2.9	2.8	0.07	0.73	1.60	0.37
11/20/92	20:40	3.9	3.2	3.1	0.11	0.71	1.50	0.37
11/20/92	20:45	3.8	3.0	2.9	0.10	0.78	1.40	0.38
11/20/92	20:50	2.9	2.1	2.0	0.09	0.77	1.10	0.37
11/20/92	20:55	3.6	2.9	2.8	0.08	0.66	1.40	0.31
11/20/92	21:00	3.6	2.9	2.8	0.11	0.70	1.70	0.39

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	21:05	3.0	2.3	2.2	0.10	0.70	1.20	0.39
11/20/92	21:10	3.0	2.3	2.2	0.08	0.67	1.10	0.39
11/20/92	21:15	3.5	2.8	2.7	0.09	0.68	1.30	0.37
11/20/92	21:20	4.0	3.3	3.2	0.07	0.69	1.50	0.37
11/20/92	21:25	3.5	2.9	2.8	0.11	0.63	1.30	0.39
11/20/92	21:30	3.6	3.0	2.9	0.10	0.63	1.40	0.38
11/20/92	21:35	3.3	2.7	2.6	0.07	0.62	1.40	0.35
11/20/92	21:40	3.2	2.6	2.5	0.08	0.64	1.20	0.36
11/20/92	21:45	3.3	2.7	2.6	0.08	0.61	1.30	0.35
11/20/92	21:50	3.8	3.2	3.1	0.06	0.59	1.60	0.35
11/22/92	03:35	1.9	1.7	1.6	0.06	0.21	0.73	0.15
11/22/92	03:40	1.8	1.7	1.7	0.02	0.05	0.77	0.18
11/22/92	03:45	1.5	1.4	1.4	0.01	0.12	0.76	0.21
11/22/92	03:50	2.1	2.0	2.0	0.05	0.12	1.10	0.28
11/22/92	03:55	3.5	3.3	3.3	0.03	0.23	2.40	0.27
11/22/92	04:00	3.6	3.2	3.2	0.05	0.38	1.90	0.28
11/22/92	04:20	4.1	3.8	3.8	0.04	0.29	3.70	0.05
11/22/92	04:25	5.9	5.6	5.6	0.04	0.31	5.60	0.02
11/22/92	04:30	4.0	3.6	3.6	0.02	0.42	4.00	0.05
11/22/92	04:35	4.2	3.7	3.7	0.02	0.46	5.40	0.04
11/22/92	04:40	4.9	4.5	4.5	0.01	0.42	3.30	0.04
11/22/92	04:45	3.5	3.2	3.2	0.04	0.33	3.20	0.04
11/22/92	04:50	4.7	4.4	4.4	0.03	0.32	3.30	0.03
11/22/92	04:55	4.3	3.9	3.9	0.01	0.39	1.90	0.06
11/22/92	05:00	4.0	3.7	3.7	0.03	0.30	3.00	0.03
11/22/92	05:05	3.9	3.4	3.4	0.02	0.47	2.00	0.07
11/22/92	05:10	3.0	2.7	2.7	0.03	0.32	1.40	0.06
11/22/92	05:15	3.6	3.1	3.1	0.01	0.47	1.70	0.08
11/22/92	05:20	2.1	1.8	1.8	0.03	0.33	1.00	0.05
11/22/92	05:25	3.4	2.9	2.9	0.02	0.49	1.70	0.07
11/22/92	05:30	6.5	6.0	6.0	0.02	0.47	4.80	0.08
11/22/92	20:00	3.3	2.6	2.5	0.05	0.74	1.40	0.38
11/22/92	20:05	3.2	2.5	2.4	0.06	0.72	1.50	0.37
11/22/92	20:10	3.2	2.5	2.4	0.06	0.66	1.50	0.35
11/22/92	20:15	3.6	2.9	2.8	0.08	0.67	1.80	0.36
11/22/92	20:20	3.7	3.0	2.9	0.09	0.70	1.50	0.36
11/22/92	20:25	3.7	3.0	2.9	0.07	0.70	1.60	0.35
11/22/92	20:30	3.5	2.8	2.7	0.10	0.70	1.40	0.35
11/22/92	20:35	3.6	2.9	2.8	0.07	0.73	1.60	0.37
11/22/92	20:40	3.9	3.2	3.1	0.11	0.71	1.50	0.37
11/22/92	20:45	3.8	3.0	2.9	0.10	0.78	1.40	0.38
11/22/92	20:50	2.9	2.1	2.0	0.09	0.77	1.10	0.37
11/22/92	20:55	3.6	2.9	2.8	0.08	0.66	1.40	0.31
11/22/92	21:00	3.6	2.9	2.8	0.11	0.70	1.70	0.39
11/22/92	21:05	3.0	2.3	2.2	0.10	0.70	1.20	0.39
11/22/92	21:10	3.0	2.3	2.2	0.08	0.67	1.10	0.39
11/22/92	21:15	3.5	2.8	2.7	0.09	0.68	1.30	0.37
11/22/92	21:20	4.0	3.3	3.2	0.07	0.69	1.50	0.37
11/22/92	21:25	3.5	2.9	2.8	0.11	0.63	1.30	0.39
11/22/92	21:30	3.6	3.0	2.9	0.10	0.63	1.40	0.38
11/22/92	21:35	3.3	2.7	2.6	0.07	0.62	1.40	0.35
11/22/92	21:40	3.2	2.6	2.5	0.08	0.64	1.20	0.36
11/22/92	21:45	3.3	2.7	2.6	0.08	0.61	1.30	0.35
11/22/92	21:50	3.8	3.2	3.1	0.06	0.59	1.60	0.35
12/09/92	13:55	1.5	0.8	0.8	0.04	0.74	0.32	0.07

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	14:00	1.3	0.6	0.5	0.05	0.69	0.26	0.14
12/09/92	14:05	1.6	0.9	0.8	0.09	0.65	0.46	0.24
12/09/92	14:10	2.1	1.4	1.4	0.04	0.69	0.74	0.20
12/09/92	14:20	2.3	1.7	1.6	0.08	0.63	1.10	0.21
12/09/92	14:25	3.1	2.7	2.7	0.05	0.44	1.70	0.10
12/09/92	14:30	3.0	2.4	2.3	0.05	0.62	1.50	0.09
12/09/92	14:35	2.8	2.3	2.2	0.06	0.51	1.30	0.07
12/09/92	14:40	2.9	2.5	2.5	0.04	0.37	1.40	0.06
12/09/92	14:45	2.8	2.5	2.5	0.04	0.32	1.50	0.06
12/09/92	14:50	3.4	3.1	3.1	0.03	0.31	1.90	0.05
12/09/92	14:55	2.8	2.5	2.5	0.04	0.29	1.50	0.05
12/09/92	15:00	2.9	2.6	2.6	0.03	0.29	1.60	0.05
12/09/92	15:05	2.8	2.5	2.5	0.03	0.29	1.50	0.05
12/09/92	15:10	2.8	2.5	2.5	0.03	0.29	1.50	0.07
12/09/92	15:15	3.2	2.9	2.9	0.04	0.27	1.70	0.05
12/09/92	15:20	2.6	2.3	2.3	0.04	0.28	1.40	0.05
12/09/92	15:25	2.7	2.4	2.4	0.03	0.27	1.60	0.05
12/09/92	15:30	2.6	2.3	2.3	0.03	0.26	1.40	0.05
12/09/92	15:35	2.7	2.4	2.4	0.03	0.28	1.40	0.05
12/09/92	15:40	2.5	2.2	2.2	0.03	0.28	1.40	0.06
12/09/92	15:45	2.8	2.5	2.5	0.03	0.29	1.60	0.06
12/09/92	15:50	2.4	2.1	2.1	0.03	0.28	1.30	0.06
12/09/92	16:05	2.9	2.6	2.5	0.05	0.30	1.50	0.07
12/09/92	16:10	2.9	2.6	2.6	0.04	0.31	1.50	0.07
12/09/92	16:15	2.4	2.1	2.1	0.04	0.26	1.20	0.07
12/09/92	16:20	2.2	1.9	1.9	0.03	0.27	1.20	0.08
12/09/92	16:25	2.2	1.9	1.9	0.03	0.30	1.10	0.07
12/09/92	16:30	2.2	1.9	1.9	0.04	0.31	1.20	0.08
12/09/92	16:35	2.7	2.2	2.2	0.04	0.49	1.30	0.08
12/09/92	16:40	2.2	1.9	1.9	0.04	0.31	1.10	0.08
12/09/92	16:45	2.3	2.0	2.0	0.04	0.31	1.20	0.10
12/09/92	16:50	2.3	2.0	2.0	0.04	0.31	1.00	0.11
12/09/92	16:55	2.3	2.0	2.0	0.04	0.29	1.10	0.10
12/09/92	17:00	2.2	1.9	1.9	0.04	0.34	1.20	0.11
12/09/92	17:05	1.9	1.6	1.6	0.04	0.31	1.10	0.10
12/09/92	17:10	2.2	1.9	1.9	0.04	0.33	1.10	0.11
12/09/92	17:15	1.8	1.5	1.5	0.04	0.32	0.95	0.11
12/09/92	17:20	2.1	1.8	1.8	0.04	0.33	1.00	0.10
12/09/92	17:25	1.9	1.6	1.5	0.05	0.33	0.93	0.11
12/09/92	17:30	2.0	1.7	1.7	0.04	0.34	1.00	0.10
12/09/92	17:35	1.9	1.6	1.5	0.05	0.32	0.92	0.11
12/09/92	17:40	1.8	1.5	1.4	0.05	0.34	0.88	0.09
12/09/92	17:45	1.9	1.6	1.6	0.04	0.33	0.92	0.09
12/09/92	17:50	2.7	2.2	2.1	0.12	0.49	1.10	0.12
12/09/92	17:55	2.6	2.3	2.2	0.05	0.31	1.30	0.09
12/09/92	18:00	2.6	2.2	2.2	0.04	0.37	1.20	0.10
12/09/92	18:10	2.6	1.6	1.5	0.09	1.00	0.81	0.11
12/09/92	18:15	2.3	1.6	1.5	0.07	0.67	0.79	0.11
12/09/92	18:20	2.5	1.9	1.8	0.05	0.56	0.76	0.11
12/09/92	18:25	2.3	1.7	1.6	0.05	0.56	0.77	0.11
12/09/92	18:30	2.1	1.6	1.6	0.04	0.49	0.74	0.12
12/09/92	18:35	2.4	1.6	1.5	0.07	0.84	0.76	0.11
12/09/92	18:40	2.0	1.5	1.4	0.05	0.49	0.76	0.12
12/09/92	18:45	2.0	1.5	1.4	0.05	0.47	0.73	0.13
12/09/92	18:50	2.5	1.6	1.5	0.10	0.86	0.78	0.11
12/09/92	18:55	2.5	1.6	1.5	0.10	0.89	0.73	0.11
12/09/92	19:00	2.5	1.6	1.5	0.09	0.91	0.74	0.11

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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	19:05	2.5	1.5	1.4	0.09	1.00	0.76	0.11
12/09/92	19:10	2.0	1.2	1.1	0.07	0.80	0.64	0.11
12/09/92	19:15	2.5	1.5	1.4	0.08	1.00	0.67	0.11
12/09/92	19:20	1.6	1.2	1.1	0.05	0.36	0.65	0.11
12/09/92	19:25	1.8	1.4	1.3	0.05	0.35	0.64	0.11
12/09/92	19:30	1.7	1.3	1.3	0.04	0.36	0.65	0.11
12/09/92	19:35	1.8	1.4	1.4	0.04	0.37	0.61	0.11
12/09/92	19:40	1.8	1.4	1.3	0.05	0.36	0.59	0.11
12/09/92	19:45	1.6	1.2	1.1	0.05	0.36	0.52	0.11
12/09/92	19:50	1.9	1.5	1.4	0.05	0.38	0.67	0.11
12/09/92	19:55	1.9	1.5	1.5	0.04	0.36	0.63	0.12
12/09/92	20:00	1.7	1.3	1.2	0.05	0.35	0.61	0.11
12/09/92	20:05	1.7	1.3	1.3	0.04	0.36	0.61	0.11
12/09/92	20:10	2.3	2.0	2.0	0.05	0.29	1.00	0.09
12/09/92	20:15	2.1	1.8	1.7	0.06	0.32	1.00	0.09
12/09/92	20:20	2.0	1.7	1.6	0.05	0.30	0.87	0.09
12/09/92	20:25	2.0	1.7	1.6	0.05	0.30	0.98	0.09
12/09/92	20:30	2.0	1.7	1.7	0.04	0.30	1.00	0.09
12/09/92	20:35	1.8	1.5	1.5	0.04	0.34	0.73	0.09
12/09/92	20:40	1.7	1.4	1.4	0.04	0.34	0.74	0.09
12/09/92	20:45	1.9	1.6	1.6	0.04	0.34	0.78	0.10
12/09/92	20:50	1.7	1.4	1.3	0.05	0.31	0.72	0.09
12/09/92	20:55	2.0	1.6	1.6	0.04	0.36	0.82	0.10
12/09/92	21:00	2.0	1.6	1.6	0.04	0.35	0.80	0.09
12/09/92	21:05	1.9	1.6	1.6	0.04	0.33	0.76	0.09
12/09/92	21:10	2.0	1.6	1.5	0.05	0.35	0.78	0.09
12/09/92	21:15	1.9	1.6	1.5	0.05	0.31	0.91	0.09
12/09/92	21:20	1.7	1.4	1.3	0.05	0.30	0.70	0.09
12/09/92	21:25	1.7	1.4	1.4	0.04	0.32	0.81	0.09
12/09/92	21:30	2.3	2.0	2.0	0.05	0.30	1.10	0.09
12/09/92	21:35	1.7	1.4	1.3	0.05	0.34	0.82	0.09
12/09/92	21:40	1.6	1.2	1.1	0.05	0.35	0.58	0.09
12/09/92	21:45	1.6	1.3	1.2	0.05	0.32	0.70	0.09
12/09/92	21:50	1.8	1.5	1.5	0.04	0.32	0.73	0.09
12/09/92	21:55	2.0	1.7	1.7	0.04	0.32	0.87	0.09
12/09/92	22:00	1.7	1.3	1.2	0.05	0.35	0.66	0.10
12/09/92	22:05	1.8	1.4	1.3	0.05	0.37	0.74	0.09
12/09/92	22:25	2.4	1.7	1.6	0.06	0.70	1.10	0.66
02/21/93	05:30	--	2.4	--	--	--	1.40	--
02/21/93	05:35	--	2.3	--	--	--	1.00	--
02/21/93	05:40	--	3.2	--	--	--	1.40	--
02/21/93	05:45	--	2.1	--	--	--	0.98	--
02/21/93	05:50	--	2.6	--	--	--	1.20	--
02/21/93	05:55	--	1.8	--	--	--	0.84	--
02/21/93	06:00	--	1.6	--	--	--	0.70	--
02/21/93	06:05	--	1.7	--	--	--	0.87	--
02/21/93	06:10	--	1.2	--	--	--	0.38	--
02/21/93	06:15	--	1.6	--	--	--	0.72	--
02/21/93	06:20	--	1.5	--	--	--	0.74	--
02/21/93	06:25	--	1.6	--	--	--	0.76	--
02/21/93	06:30	--	1.8	--	--	--	0.85	--
02/21/93	06:35	--	1.5	--	--	--	0.67	--
02/21/93	06:40	--	1.7	--	--	--	0.84	--
02/21/93	06:45	--	1.9	--	--	--	0.96	--
02/21/93	06:50	--	1.4	--	--	--	0.67	--
02/21/93	06:55	--	2.4	--	--	--	1.30	--

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
02/21/93	07:00	--	1.8	--	--	--	0.96	--
02/21/93	07:05	--	1.6	--	--	--	0.84	--
02/21/93	07:10	--	1.7	--	--	--	0.92	--
02/21/93	07:15	--	1.8	--	--	--	1.10	--
02/21/93	07:20	--	2.6	--	--	--	1.40	--
02/21/93	07:25	--	1.6	--	--	--	0.80	--
02/21/93	07:40	--	1.6	--	--	--	0.79	--
02/21/93	07:45	--	1.6	--	--	--	0.77	--
02/21/93	07:50	--	1.6	--	--	--	0.87	--
02/21/93	07:55	--	1.2	--	--	--	0.63	--
02/21/93	08:00	--	1.3	--	--	--	0.74	--
02/21/93	08:05	--	1.5	--	--	--	0.80	--
02/21/93	08:10	--	1.4	--	--	--	0.69	--
02/21/93	08:15	--	1.3	--	--	--	0.64	--
02/21/93	08:20	--	1.4	--	--	--	0.68	--
02/21/93	08:25	--	1.4	--	--	--	0.68	--
02/21/93	08:30	--	1.2	--	--	--	0.65	--
02/21/93	08:35	--	1.6	--	--	--	0.80	--
02/21/93	08:40	--	1.2	--	--	--	0.66	--
02/21/93	08:45	--	1.8	--	--	--	0.91	--
02/21/93	08:50	--	1.3	--	--	--	0.62	--
02/21/93	08:55	--	1.2	--	--	--	0.61	--
02/21/93	09:00	--	1.2	--	--	--	0.61	--
02/21/93	09:05	--	1.2	--	--	--	0.65	--
02/21/93	09:10	--	1.2	--	--	--	0.60	--
02/21/93	09:15	--	1.3	--	--	--	0.57	--
02/21/93	09:20	--	1.2	--	--	--	0.53	--
02/21/93	09:25	--	1.2	--	--	--	0.59	--
02/21/93	09:30	--	1.3	--	--	--	0.57	--
02/21/93	09:35	--	1.1	--	--	--	0.54	--
02/21/93	09:40	--	1.2	--	--	--	0.66	--
02/21/93	09:45	--	1.5	--	--	--	0.67	--
02/21/93	09:55	--	1.4	--	--	--	0.63	--
02/21/93	10:00	--	1.4	--	--	--	0.62	--
02/21/93	10:05	--	1.4	--	--	--	0.63	--
02/21/93	10:10	--	1.3	--	--	--	0.57	--
02/21/93	10:15	--	1.4	--	--	--	0.61	--
02/21/93	10:20	--	1.4	--	--	--	0.58	--
02/21/93	10:25	--	1.4	--	--	--	0.58	--
02/21/93	10:30	--	1.3	--	--	--	0.56	--
02/21/93	10:35	--	1.5	--	--	--	0.63	--
02/21/93	10:40	--	1.4	--	--	--	0.63	--
02/21/93	10:45	--	1.3	--	--	--	0.54	--
02/21/93	10:50	--	1.5	--	--	--	0.65	--
02/21/93	10:55	--	1.3	--	--	--	0.55	--
02/21/93	11:00	--	1.3	--	--	--	0.55	--
02/21/93	11:05	--	1.5	--	--	--	0.60	--
02/21/93	11:10	--	1.3	--	--	--	0.54	--
02/21/93	11:15	--	1.4	--	--	--	0.55	--
05/28/93	16:15	--	3.0	--	--	--	0.95	--
05/28/93	16:20	--	1.8	--	--	--	0.96	--
05/28/93	16:25	--	2.6	--	--	--	0.77	--
05/28/93	16:30	--	3.1	--	--	--	0.67	--
05/28/93	16:35	--	3.1	--	--	--	0.66	--
05/28/93	16:40	--	3.8	--	--	--	1.20	--
05/28/93	16:45	--	2.8	--	--	--	1.00	--

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)
05/28/93	16:50	--	2.6	--	--	--	1.40	--
05/28/93	16:55	--	3.5	--	--	--	1.50	--
05/28/93	17:00	--	2.5	--	--	--	1.70	--
05/28/93	17:05	--	1.5	--	--	--	1.00	--
05/28/93	17:10	--	5.4	--	--	--	1.60	--
05/28/93	17:15	--	2.0	--	--	--	0.80	--
05/28/93	17:20	--	2.1	--	--	--	0.82	--
05/28/93	17:25	--	2.3	--	--	--	1.20	--
05/28/93	17:30	--	3.2	--	--	--	1.10	--
05/28/93	17:35	--	2.2	--	--	--	0.63	--
05/28/93	17:40	--	3.3	--	--	--	0.97	--
05/28/93	17:45	--	2.3	--	--	--	0.64	--
05/28/93	17:50	--	1.6	--	--	--	0.98	--
05/28/93	17:55	--	2.2	--	--	--	0.84	--
05/28/93	18:00	--	3.1	--	--	--	0.89	--
05/28/93	18:05	--	1.7	--	--	--	0.45	--
05/28/93	18:10	--	2.0	--	--	--	0.63	--
05/28/93	18:15	--	2.4	--	--	--	0.59	--
05/28/93	18:20	--	2.5	--	--	--	0.63	--
05/28/93	18:25	--	3.2	--	--	--	0.77	--
05/28/93	18:30	--	2.8	--	--	--	0.73	--
05/28/93	18:35	--	2.5	--	--	--	0.60	--
05/28/93	18:40	--	2.8	--	--	--	0.72	--
05/28/93	18:45	--	2.7	--	--	--	0.70	--
05/28/93	18:50	--	2.7	--	--	--	0.67	--
05/28/93	18:55	--	2.8	--	--	--	0.65	--
05/28/93	19:00	--	2.8	--	--	--	0.64	--
05/28/93	19:05	--	3.0	--	--	--	0.67	--
05/28/93	19:10	--	2.7	--	--	--	0.70	--
05/28/93	19:15	--	2.2	--	--	--	0.50	--
05/28/93	19:20	--	1.6	--	--	--	0.30	--
05/28/93	19:25	--	2.5	--	--	--	0.60	--
05/28/93	19:30	--	2.5	--	--	--	0.68	--
05/28/93	20:10	--	2.1	--	--	--	0.46	--
05/28/93	20:30	--	1.9	--	--	--	0.35	--
05/28/93	21:00	--	1.6	--	--	--	0.28	--
08/02/93	01:05	--	1.9	--	--	--	0.67	--
08/02/93	01:10	--	2.0	--	--	--	1.00	--
08/02/93	01:15	--	2.0	--	--	--	1.10	--
08/02/93	01:20	--	1.9	--	--	--	1.10	--
08/02/93	01:25	--	1.9	--	--	--	1.10	--
08/02/93	01:30	--	2.0	--	--	--	1.50	--
08/02/93	01:35	--	3.4	--	--	--	1.40	--
08/02/93	01:40	--	2.3	--	--	--	1.40	--
08/02/93	01:45	--	1.2	--	--	--	1.20	--
08/02/93	01:50	--	2.1	--	--	--	1.20	--
08/02/93	01:55	--	2.3	--	--	--	1.40	--
08/02/93	02:00	--	2.3	--	--	--	1.20	--
08/02/93	02:05	--	1.2	--	--	--	1.40	--
08/02/93	02:10	--	1.6	--	--	--	1.30	--
08/02/93	02:15	--	1.5	--	--	--	1.10	--
08/02/93	02:20	--	1.8	--	--	--	1.30	--
08/02/93	02:25	--	1.6	--	--	--	1.20	--
08/02/93	02:30	--	2.1	--	--	--	1.20	--
08/02/93	02:35	--	1.7	--	--	--	1.30	--
08/02/93	02:40	--	1.5	--	--	--	1.30	--

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)
08/02/93	02:45	--	1.4	--	--	--	1.30	--
08/02/93	02:50	--	1.3	--	--	--	1.20	--
08/02/93	02:55	--	2.4	--	--	--	1.20	--
08/02/93	03:00	--	2.3	--	--	--	1.00	--
05/28/93	21:00	--	1.6	--	--	--	0.28	--
08/02/93	01:05	--	1.9	--	--	--	0.67	--
08/02/93	01:10	--	2.0	--	--	--	1.00	--
08/02/93	01:15	--	2.0	--	--	--	1.10	--
08/02/93	01:20	--	1.9	--	--	--	1.10	--
08/02/93	01:25	--	1.9	--	--	--	1.10	--
08/02/93	01:30	--	2.0	--	--	--	1.50	--
08/02/93	01:35	--	3.4	--	--	--	1.40	--
08/02/93	01:40	--	2.3	--	--	--	1.40	--
08/02/93	01:45	--	1.2	--	--	--	1.20	--
08/02/93	01:50	--	2.1	--	--	--	1.20	--
08/02/93	01:55	--	2.3	--	--	--	1.40	--
08/02/93	02:00	--	2.3	--	--	--	1.20	--
08/02/93	02:05	--	1.2	--	--	--	1.40	--
08/02/93	02:10	--	1.6	--	--	--	1.30	--
08/02/93	02:15	--	1.5	--	--	--	1.10	--
08/02/93	02:20	--	1.8	--	--	--	1.30	--
08/02/93	02:25	--	1.6	--	--	--	1.20	--
08/02/93	02:30	--	2.1	--	--	--	1.20	--
08/02/93	02:35	--	1.7	--	--	--	1.30	--
08/02/93	02:40	--	1.5	--	--	--	1.30	--
08/02/93	02:45	--	1.4	--	--	--	1.30	--
08/02/93	02:50	--	1.3	--	--	--	1.20	--
08/02/93	02:55	--	2.4	--	--	--	1.20	--
08/02/93	03:00	--	2.3	--	--	--	1.00	--
08/02/93	04:15	--	2.1	--	--	--	0.88	--
08/02/93	04:20	--	2.0	--	--	--	0.87	--
08/02/93	04:25	--	2.1	--	--	--	0.89	--
08/02/93	04:30	--	2.0	--	--	--	0.87	--
08/02/93	04:35	--	2.0	--	--	--	0.87	--
08/02/93	04:40	--	2.0	--	--	--	0.85	--
08/02/93	04:45	--	2.0	--	--	--	0.82	--
08/02/93	04:50	--	2.1	--	--	--	0.80	--
08/02/93	04:55	--	1.9	--	--	--	0.81	--
08/02/93	05:00	--	2.2	--	--	--	0.78	--
08/02/93	05:05	--	2.0	--	--	--	0.76	--
08/02/93	05:10	--	2.0	--	--	--	0.73	--
08/02/93	05:15	--	1.9	--	--	--	0.72	--
08/02/93	05:20	--	1.9	--	--	--	0.74	--
08/02/93	05:25	--	1.9	--	--	--	0.72	--
08/02/93	05:30	--	1.7	--	--	--	0.62	--
08/02/93	05:35	--	1.8	--	--	--	0.58	--
08/02/93	05:40	--	1.7	--	--	--	0.70	--
08/02/93	05:45	--	1.8	--	--	--	0.70	--
11/14/93	13:35	1.6	1.6	--	--	0.02	0.61	0.42
11/14/93	13:40	1.9	1.9	--	--	0.02	0.87	0.65
11/14/93	13:55	3.0	3.0	--	--	0.02	1.20	0.43
11/14/93	14:00	3.8	3.2	--	--	0.57	1.20	0.90
11/14/93	14:05	2.6	2.3	--	--	0.34	1.40	0.94
11/14/93	14:10	3.1	2.8	--	--	0.26	1.20	0.68
11/14/93	14:15	3.4	3.3	--	--	0.15	1.20	0.75
11/14/93	14:20	2.9	2.8	--	--	0.09	1.10	0.64

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
11/14/93	14:25	2.3	2.2	--	--	0.09	1.20	0.64
11/14/93	14:30	2.3	2.2	--	--	0.07	1.30	0.53
11/14/93	14:35	2.3	2.2	--	--	0.08	1.00	0.52
11/14/93	14:40	2.7	2.6	--	--	0.09	0.93	0.48
11/14/93	14:45	2.2	2.1	--	--	0.10	0.81	0.46
11/14/93	14:50	3.8	3.7	--	--	0.10	0.72	0.45
11/14/93	14:55	2.5	2.4	--	--	0.11	0.78	0.45
11/14/93	15:00	2.5	2.4	--	--	0.11	0.75	0.45
11/14/93	15:05	2.8	2.7	--	--	0.09	0.88	0.29
11/14/93	15:10	2.6	2.5	--	--	0.09	0.73	0.29
11/14/93	15:15	3.0	2.9	--	--	0.11	0.65	0.46
11/14/93	15:20	2.6	2.5	--	--	0.11	0.69	0.46
11/14/93	15:25	2.4	2.3	--	--	0.10	0.68	0.46
11/14/93	15:30	2.5	2.4	--	--	0.11	0.67	0.47
11/14/93	18:15	1.8	1.7	--	--	0.10	0.58	0.43
11/14/93	18:20	1.8	1.7	--	--	0.10	0.58	0.44
11/14/93	18:25	1.8	1.7	--	--	0.09	0.58	0.42
11/14/93	18:30	1.9	1.8	--	--	0.09	0.54	0.43
11/14/93	18:35	1.7	1.6	--	--	0.09	0.55	0.43
11/14/93	18:40	1.8	1.7	--	--	0.09	0.53	0.43
11/14/93	18:45	1.8	1.7	--	--	0.08	0.55	0.43
11/14/93	18:50	1.8	1.7	--	--	0.10	0.55	0.43
11/14/93	18:55	1.8	1.7	--	--	0.09	0.53	0.43
11/14/93	19:00	1.8	1.7	--	--	0.10	0.55	0.43
11/14/93	19:05	1.7	1.6	--	--	0.09	0.55	0.43
11/14/93	19:10	1.7	1.6	--	--	0.10	0.55	0.43
11/14/93	19:20	1.8	1.7	--	--	0.10	0.55	0.43
11/14/93	19:25	1.7	1.6	--	--	0.10	0.55	0.43
11/14/93	19:30	1.8	1.7	--	--	0.10	0.55	0.42
11/14/93	19:35	1.7	1.6	--	--	0.10	0.55	0.43
11/14/93	19:40	1.7	1.6	--	--	0.11	0.54	0.44
11/14/93	19:45	1.7	1.6	--	--	0.11	0.56	0.44
11/14/93	19:50	1.8	1.7	--	--	0.11	0.55	0.44
11/14/93	19:55	1.7	1.6	--	--	0.10	0.55	0.45
11/14/93	20:00	1.8	1.7	--	--	0.11	0.55	0.45
11/14/93	20:15	1.9	1.8	--	--	0.12	0.58	0.45
11/14/93	20:35	1.7	1.6	--	--	0.13	0.57	0.46
11/14/93	20:45	1.8	1.7	--	--	0.14	0.60	0.47
11/14/93	20:50	1.8	1.7	--	--	0.14	0.61	0.46
11/14/93	20:55	1.8	1.7	--	--	0.14	0.62	0.47
11/14/93	21:00	1.8	1.6	--	--	0.15	0.61	0.46
11/14/93	21:05	1.7	1.6	--	--	0.14	0.60	0.76
11/14/93	21:10	1.8	1.7	--	--	0.15	0.61	0.47
11/14/93	21:15	1.8	1.7	--	--	0.15	0.63	0.47
11/14/93	21:20	1.8	1.6	--	--	0.16	0.68	0.47
11/14/93	21:25	1.9	1.7	--	--	0.16	0.63	0.47
11/14/93	21:30	2.1	1.9	--	--	0.16	0.68	0.48
11/14/93	21:35	1.9	1.7	--	--	0.16	0.63	0.47
11/14/93	21:40	1.9	1.7	--	--	0.16	0.63	0.48
11/14/93	21:45	1.9	1.7	--	--	0.16	0.64	0.48
11/14/93	21:50	2.0	1.8	--	--	0.16	0.69	0.48
11/14/93	21:55	2.0	1.8	--	--	0.17	0.65	0.48
11/14/93	22:00	1.9	1.7	--	--	0.17	0.65	0.48
11/14/93	22:05	1.9	1.7	--	--	0.17	0.64	0.48
11/14/93	22:10	1.8	1.6	--	--	0.17	0.67	0.48
11/14/93	22:15	1.9	1.7	--	--	0.17	0.65	0.47
11/14/93	22:20	1.8	1.6	--	--	0.17	0.65	0.47

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
11/14/93	22:25	1.8	1.6	--	--	0.17	0.64	0.50
11/14/93	22:30	1.7	1.5	--	--	0.18	0.71	0.47
11/15/93	09:00	1.4	1.3	--	--	0.13	0.39	0.29
11/16/93	15:40	1.3	1.3	--	--	0.04	0.65	0.45
11/16/93	15:45	3.6	3.4	--	--	0.15	0.73	0.54
11/16/93	15:50	2.0	1.8	--	--	0.17	0.80	0.57
11/16/93	15:55	2.5	2.1	--	--	0.37	0.79	0.56
11/16/93	16:00	1.6	1.3	--	--	0.25	0.93	0.52
11/16/93	16:05	1.9	1.7	--	--	0.20	0.86	0.49
11/16/93	16:10	1.6	1.4	--	--	0.17	0.86	0.45
11/16/93	16:15	1.6	1.4	--	--	0.16	0.90	0.46
11/16/93	16:20	1.6	1.5	--	--	0.14	0.85	0.46
11/16/93	16:25	1.3	1.2	--	--	0.14	0.83	0.45
11/16/93	16:30	1.1	1.0	--	--	0.12	0.85	0.41
11/16/93	16:35	1.3	1.2	--	--	0.06	0.55	0.24
11/16/93	16:40	1.2	1.1	--	--	0.12	0.75	0.35
11/16/93	16:45	1.4	1.3	--	--	0.12	0.76	0.34
11/16/93	16:50	1.1	1.0	--	--	0.12	0.74	0.32
11/16/93	16:55	1.5	1.4	--	--	0.11	0.78	0.34
11/16/93	17:00	1.0	0.9	--	--	0.10	0.76	0.32
11/16/93	17:05	1.0	0.9	--	--	0.10	0.73	0.30
11/16/93	17:10	1.1	1.0	--	--	0.09	0.75	0.29
11/16/93	17:15	1.0	0.9	--	--	0.09	0.70	0.29
11/16/93	17:20	0.8	0.7	--	--	0.07	0.69	0.23
11/16/93	17:25	0.9	0.9	--	--	0.08	0.66	0.27
11/16/93	17:30	1.0	0.9	--	--	0.08	0.65	0.26
11/16/93	17:35	1.2	1.1	--	--	0.07	0.58	0.24
11/16/93	17:45	1.0	0.9	--	--	0.08	0.55	0.27
11/16/93	17:50	0.9	0.8	--	--	0.08	0.56	0.28
11/16/93	17:55	0.9	0.8	--	--	0.08	0.57	0.28
11/16/93	18:00	0.9	0.8	--	--	0.08	0.40	0.27
11/16/93	18:05	0.9	0.8	--	--	0.09	0.49	0.28
11/16/93	18:10	0.8	0.7	--	--	0.08	0.35	0.27
11/16/93	18:15	0.9	0.8	--	--	0.08	0.33	0.27
11/16/93	18:20	1.0	0.9	--	--	0.09	0.43	0.27
11/16/93	18:25	0.9	0.8	--	--	0.09	0.38	0.28
11/16/93	18:30	1.0	0.9	--	--	0.09	0.44	0.28
11/16/93	18:35	1.3	1.2	--	--	0.09	0.41	0.28
11/16/93	18:40	1.1	1.0	--	--	0.08	0.38	0.28
11/16/93	18:45	1.0	0.9	--	--	0.09	0.45	0.28
11/16/93	18:50	0.9	0.8	--	--	0.09	0.41	0.28
11/16/93	18:55	1.0	0.9	--	--	0.09	0.40	0.29
11/16/93	19:00	1.2	1.1	--	--	0.08	0.30	0.29
11/16/93	19:05	1.0	0.9	--	--	0.08	0.44	0.27
11/16/93	19:10	1.2	1.1	--	--	0.08	0.42	0.28
11/16/93	19:15	1.0	0.9	--	--	0.08	0.44	0.28
11/16/93	19:20	0.9	0.9	--	--	0.08	0.40	0.28
11/16/93	19:25	1.3	1.2	--	--	0.08	0.40	0.29
11/16/93	19:30	1.0	0.9	--	--	0.09	0.31	0.29
11/16/93	19:35	1.5	1.4	--	--	0.09	0.40	0.29
11/16/93	19:40	0.9	0.8	--	--	0.09	0.41	0.28
11/16/93	19:45	1.1	1.0	--	--	0.09	0.41	0.28
11/16/93	19:50	1.1	1.0	--	--	0.09	0.45	0.29
11/16/93	19:55	1.2	1.1	--	--	0.08	0.39	0.29
11/16/93	20:00	1.1	1.0	--	--	0.09	0.40	0.30

Table 4. Nitrogen and phosphorus data for water samples collected at the East Beaver Creek canal tributary at Williams farm near Belmont (station 07030242), 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)	Phos-phorus total (mg/L as P)	Phos-phorus ortho total (mg/L as P)
11/16/93	20:05	1.1	1.0	--	--	0.09	0.43	0.30
11/16/93	20:10	1.2	1.1	--	--	0.09	0.40	0.31
11/16/93	20:15	1.1	1.0	--	--	0.09	0.47	0.30
11/16/93	20:20	1.1	1.0	--	--	0.09	0.50	0.30
11/16/93	20:25	1.0	0.9	--	--	0.09	0.42	0.31
11/16/93	20:30	1.2	1.1	--	--	0.09	0.39	0.31
11/16/93	20:35	1.1	1.0	--	--	0.09	0.41	0.31
11/16/93	20:40	1.3	1.2	--	--	0.09	0.40	0.32
11/16/93	20:45	1.2	1.1	--	--	0.09	0.34	0.33
11/16/93	20:50	1.1	1.0	--	--	0.10	0.38	0.33
11/16/93	20:55	1.2	1.1	--	--	0.10	0.42	0.32
11/16/93	21:00	1.4	1.3	--	--	0.11	0.44	0.34
11/16/93	21:05	1.2	1.1	--	--	0.11	0.46	0.34
11/16/93	21:10	1.5	1.4	--	--	0.11	0.44	0.34
11/16/93	21:15	1.2	1.1	--	--	0.11	0.43	0.35
11/16/93	21:20	1.1	1.0	--	--	0.12	0.46	0.36
11/16/93	21:25	1.2	1.1	--	--	0.12	0.46	0.35
11/16/93	21:30	1.2	1.1	--	--	0.12	0.47	0.37
11/16/93	21:35	1.3	1.2	--	--	0.11	0.50	0.37
11/16/93	21:40	1.4	1.3	--	--	0.11	0.53	0.39
11/16/93	21:45	1.1	1.0	--	--	0.11	0.54	0.37
11/16/93	21:50	1.1	1.0	--	--	0.10	0.47	0.38
11/16/93	21:55	1.2	1.1	--	--	0.10	0.52	0.38
11/16/93	22:00	1.2	1.1	--	--	0.10	0.50	0.36
11/16/93	22:05	1.1	1.0	--	--	0.09	0.45	0.38
11/16/93	22:10	1.1	1.0	--	--	0.09	0.52	0.37
11/16/93	22:15	1.4	1.3	--	--	0.09	0.50	0.35
11/16/93	22:20	1.2	1.1	--	--	0.09	0.48	0.34
11/16/93	22:25	1.1	1.0	--	--	0.08	0.50	0.34
11/16/93	22:30	1.1	1.0	--	--	0.08	0.57	0.33
11/16/93	22:35	1.1	1.0	--	--	0.07	0.48	0.34
11/16/93	22:40	1.4	1.3	--	--	0.07	0.45	0.33
11/16/93	22:45	1.0	1.0	--	--	0.02	0.30	0.18
11/16/93	22:50	1.5	1.4	--	--	0.07	0.35	0.34
11/16/93	22:55	1.4	1.3	--	--	0.07	0.45	0.33
11/16/93	23:00	1.8	1.7	--	--	0.07	0.41	0.33
11/16/93	23:05	1.2	1.1	--	--	0.07	0.44	0.35
11/16/93	23:10	1.2	1.1	--	--	0.07	0.44	0.33
11/16/93	23:15	0.8	0.8	--	--	0.02	0.30	0.21
11/16/93	23:20	1.1	1.0	--	--	0.07	0.42	0.28
11/16/93	23:25	1.6	1.5	--	--	0.07	0.40	0.29
11/16/93	23:30	1.1	1.0	--	--	0.07	0.45	0.33
11/16/93	23:35	1.6	1.5	--	--	0.07	0.39	0.32
11/16/93	23:40	1.6	1.5	--	--	0.07	0.40	0.33
11/17/93	08:50	0.9	0.8	--	--	0.10	0.33	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

[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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	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	--	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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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	03:25	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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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)	Phos-phorus total (mg/L as P)	Phos-phorus 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	Sediment suspended (mg/L)
05/19/90	17:45	7,866
05/19/90	18:05	23,169
05/19/90	18:35	12,706
05/20/90	02:15	2,119
05/20/90	02:20	5,583
05/20/90	02:35	15,947
05/20/90	03:05	21,415
05/20/90	03:35	27,212
06/09/90	15:40	64,092
06/14/90	17:30	61,547
06/14/90	17:35	17,790
06/14/90	17:45	40,424
06/14/90	18:00	20,185
06/22/90	01:30	36,773
06/22/90	01:35	31,986
06/22/90	01:40	60,852
06/22/90	01:45	62,734
06/22/90	02:00	78,784
06/22/90	02:15	25,400
07/11/90	22:35	1,223
07/11/90	22:45	784
10/03/90	20:30	2,080
10/03/90	20:35	3,728
10/03/90	20:40	5,094
10/03/90	20:45	1,478
10/03/90	21:00	2,908
10/03/90	21:15	3,957
10/04/90	01:45	8,850
10/04/90	01:55	9,696
10/04/90	02:00	13,703
10/04/90	02:15	19,115
10/04/90	02:30	22,451
10/04/90	02:35	4,164
01/06/91	17:40	2,569
02/05/91	03:55	3,239
02/05/91	04:00	4,896
02/05/91	04:05	7,090
02/05/91	04:20	4,518
02/05/91	04:35	3,005
02/05/91	05:35	8,315
02/05/91	06:05	5,002
02/05/91	07:05	3,183
02/05/91	08:05	2,696
02/05/91	09:05	6,135
02/05/91	16:30	933
02/05/91	16:35	899
02/05/91	16:40	686
02/05/91	16:55	458
02/05/91	17:10	4,580
02/05/91	17:35	6,193
02/05/91	18:05	4,346
02/05/91	19:05	3,379
02/05/91	20:05	1,913
02/05/91	21:05	1,316
02/05/91	20:10	5,029
02/05/91	20:15	5,971
02/05/91	20:25	5,451
02/05/91	20:40	7,575
02/05/91	20:55	2,541
02/05/91	22:40	1,930
03/29/91	11:35	8,383
03/29/91	11:40	5,889
03/29/91	11:45	3,666
03/29/91	11:55	3,237
03/29/91	12:10	4,455
03/29/91	12:40	1,744
03/29/91	14:20	1,475
03/29/91	15:30	1,380
04/27/91	05:40	8,966
04/27/91	06:45	27,795
04/27/91	07:45	8,311
04/27/91	08:45	11,178
04/27/91	09:45	2,205
04/27/91	10:45	2,071
04/27/91	11:45	13,111
04/27/91	12:45	8,935
04/28/91	03:50	12,459
04/28/91	04:50	3,413
04/28/91	05:50	11,228
04/28/91	06:50	11,397
04/28/91	07:50	7,443
04/28/91	08:50	7,547
04/28/91	09:50	1,478
04/28/91	20:25	1,302
04/28/91	23:25	7,416
04/28/91	00:25	2,558
05/11/91	11:50	14,642
05/11/91	11:55	75,003
05/11/91	12:00	56,839
05/11/91	12:05	31,881
05/12/91	09:50	16,924
05/12/91	15:00	41,979
05/12/91	15:05	47,452
05/12/91	15:15	53,053
05/12/91	15:30	20,137
05/12/91	15:45	12,396
05/12/91	16:15	9,963
05/12/91	17:10	3,992
05/13/91	14:10	98,353
05/13/91	14:15	70,590
05/13/91	14:20	48,609
05/13/91	14:25	29,658
05/13/91	14:40	37,318
05/13/91	14:45	43,536
05/13/91	14:55	17,280
05/13/91	16:00	26,179
05/13/91	17:15	4,679
05/15/91	14:15	91,139
05/15/91	14:25	57,714
05/15/91	14:30	40,523
05/15/91	14:45	18,279
05/25/91	09:35	8,926
05/25/91	09:40	14,237
05/25/91	09:45	14,965
05/25/91	09:50	34,111
05/25/91	09:55	37,585
05/25/91	10:00	31,436
05/25/91	10:05	27,304
05/25/91	10:10	28,355
05/25/91	10:15	49,173
05/25/91	10:20	56,598
05/25/91	10:25	38,640
05/25/91	10:30	28,036
05/25/91	10:45	13,995
05/25/91	11:00	16,830
05/25/91	11:15	9,863
05/25/91	11:55	2,080
06/15/91	14:10	41,117
06/15/91	14:15	48,915
06/15/91	14:20	31,413
06/15/91	14:25	15,736
06/15/91	19:55	10,866
06/15/91	20:00	69,684
06/15/91	20:05	54,982
06/15/91	20:10	39,276
06/15/91	20:15	35,148
06/15/91	20:20	26,341
06/15/91	20:25	18,647
06/15/91	20:30	13,141
06/22/91	15:10	26,797
06/22/91	15:15	54,680
06/22/91	15:20	45,376
06/22/91	15:25	24,466
06/22/91	15:30	19,338
06/22/91	15:35	16,544
06/22/91	15:40	10,478
06/23/91	20:10	20,015
06/23/91	20:15	32,994
06/23/91	20:20	28,402
06/23/91	20:25	15,935
06/23/91	20:30	10,999
06/23/91	20:35	8,918
06/23/91	20:40	6,945
06/23/91	21:05	5,890
06/23/91	21:10	10,510
06/23/91	21:15	15,268
06/23/91	21:20	20,623
06/23/91	21:25	25,505
06/23/91	21:40	9,448
06/23/91	21:55	4,600
06/23/91	23:00	871
08/09/91	02:25	12,778
08/09/91	02:30	17,472
08/09/91	02:35	14,429
08/09/91	02:40	7,258
08/09/91	02:45	6,160
08/09/91	02:50	5,025
08/09/91	02:55	8,584
08/09/91	03:00	14,212
08/09/91	03:05	12,584
08/09/91	03:10	9,748
08/09/91	03:15	7,273
08/09/91	03:20	6,209
08/09/91	03:35	8,901
08/09/91	03:50	11,518
08/09/91	04:05	6,089
08/09/91	04:20	5,722
08/09/91	04:35	4,427
08/09/91	04:50	2,708
08/09/91	05:05	1,299
08/28/91	12:45	4,701
08/28/91	13:00	2,068
08/28/91	13:30	304
08/28/91	14:30	7,081
08/28/91	14:45	2,375
08/28/91	15:00	642
08/28/91	16:00	5,175
08/28/91	16:15	6,207
08/28/91	16:30	719
08/28/91	16:45	436
08/28/91	17:15	260
09/08/91	08:45	1,460
09/08/91	08:50	12,240
09/08/91	08:55	8,955
09/08/91	09:00	3,376
09/08/91	09:05	2,099
09/08/91	09:10	1,427
09/08/91	09:15	1,027
09/08/91	09:20	869
09/08/91	09:25	722
09/08/91	09:50	3,517
09/08/91	10:15	1,522
09/09/91	09:05	610
09/09/91	09:55	4,771
09/09/91	10:25	761
10/29/91	23:45	125
10/29/91	24:00	327
10/30/91	00:15	251
12/13/91	00:05	8,508
12/13/91	00:10	9,946

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	Sediment suspended (mg/L)
12/13/91	00:15	2,683
12/13/91	00:20	5,065
12/13/91	00:25	4,184
12/13/91	00:30	3,638
12/13/91	00:35	3,096
12/13/91	00:40	2,902
12/13/91	00:45	2,508
12/13/91	00:50	5,166
12/13/91	00:55	5,898
12/13/91	01:00	5,954
12/13/91	01:05	4,998
12/13/91	01:10	4,627
12/13/91	01:15	2,661
12/13/91	01:20	7,966
12/13/91	01:25	4,073
12/13/91	01:30	4,007
12/13/91	01:35	4,609
12/13/91	01:40	2,762
12/13/91	01:45	2,528
12/13/91	01:50	2,359
12/13/91	01:55	2,516
12/13/91	02:00	2,551
02/17/92	19:55	172
02/17/92	20:10	10,398
02/17/92	20:15	10,328
02/17/92	20:25	6,245
02/17/92	20:30	4,936
02/17/92	20:40	3,737
02/17/92	20:45	3,175
02/17/92	20:50	3,091
02/17/92	20:55	2,340
02/17/92	21:00	1,942
02/17/92	21:05	1,713
02/17/92	21:10	1,370
02/17/92	21:15	1,189
02/17/92	21:20	977
02/25/92	18:35	3,087
02/25/92	18:40	2,867
02/25/92	19:55	2,810
02/25/92	20:05	2,244
02/25/92	20:10	1,753
02/25/92	20:35	1,280
02/25/92	20:40	1,132
02/25/92	20:45	939
02/25/92	21:05	691
03/18/92	03:25	14,928
03/18/92	03:35	8,380
03/18/92	03:40	8,243
03/18/92	03:45	7,580
03/18/92	03:50	6,554
03/18/92	05:50	5,464
03/18/92	05:55	4,960
03/18/92	06:00	5,017
03/18/92	06:05	4,051
03/18/92	06:10	4,198
03/18/92	06:15	8,093
03/18/92	06:25	11,790
03/18/92	06:30	1,308
03/18/92	06:35	4,280
03/18/92	06:40	7,800
03/18/92	06:50	11,440
05/29/92	10:50	868
05/29/92	10:52	2,730
05/29/92	10:53	2,690
05/29/92	10:54	2,520
05/29/92	10:55	3,510
05/29/92	10:56	2,340
05/29/92	10:57	2,120
05/29/92	10:58	1,930
05/29/92	10:59	1,020
05/29/92	11:00	2,465
05/29/92	11:05	1,620
05/29/92	11:10	1,373
05/29/92	11:12	1,160
05/29/92	11:13	1,120
05/29/92	11:15	1,101
05/29/92	11:20	878
06/03/92	04:40	4,990
06/03/92	04:45	24,111
06/03/92	04:46	23,800
06/03/92	04:47	24,000
06/03/92	04:48	27,000
06/03/92	04:49	32,400
06/03/92	04:50	66,496
06/03/92	04:51	62,500
06/03/92	04:52	65,700
06/03/92	04:53	64,600
06/03/92	04:54	63,300
06/03/92	04:55	69,700
06/03/92	05:00	43,667
06/03/92	05:05	23,601
06/03/92	05:06	40,800
06/03/92	05:07	31,700
06/03/92	05:08	34,900
06/03/92	05:10	46,300
06/03/92	05:11	34,400
06/03/92	05:13	37,500
06/03/92	05:14	37,400
06/03/92	05:15	27,102
06/03/92	05:20	26,985
06/03/92	05:25	20,900
06/03/92	05:30	17,205
06/03/92	05:35	12,405
06/03/92	05:40	9,740
06/03/92	05:45	7,704
06/03/92	05:50	9,128
06/03/92	05:55	11,000
06/03/92	06:00	11,193
06/03/92	06:05	14,975
06/03/92	06:10	17,700
06/03/92	06:15	16,391
06/03/92	06:20	15,610
06/03/92	06:25	13,800
06/03/92	06:30	15,633
06/03/92	06:35	15,022
06/03/92	07:10	19,500
06/03/92	07:15	19,805
06/03/92	07:20	18,304
06/03/92	07:25	12,000
06/03/92	07:30	10,643
06/03/92	07:35	11,334
06/03/92	07:40	15,200
06/03/92	07:45	15,068
06/03/92	07:50	6,648
06/03/92	07:55	13,800
06/03/92	08:00	13,461
06/03/92	08:05	11,347
06/03/92	08:10	9,080
06/03/92	08:15	7,391
06/03/92	08:20	6,737
06/03/92	08:25	7,660
06/03/92	08:30	7,855
06/03/92	08:35	7,341
06/03/92	08:40	13,600
06/03/92	08:45	18,137
06/03/92	08:50	17,761
06/03/92	08:55	17,800
06/03/92	09:00	17,793
06/03/92	09:05	11,600
06/03/92	09:25	2,370
06/03/92	09:26	2,220
06/03/92	09:27	1,980
06/03/92	09:28	1,940
06/03/92	09:29	1,860
06/03/92	09:30	1,790
06/03/92	09:31	1,600
06/03/92	09:32	1,580
06/03/92	09:33	1,630
06/03/92	09:34	1,610
06/03/92	09:35	1,430
06/03/92	09:36	1,500
06/03/92	09:37	1,400
06/26/92	01:55	4,550
06/26/92	02:00	1,993
06/26/92	03:10	1,636
06/26/92	03:15	2,070
06/26/92	03:20	1,844
06/30/92	17:10	11,500
06/30/92	17:15	14,287
06/30/92	17:20	8,564
06/30/92	17:25	7,500
06/30/92	17:30	4,808
06/30/92	18:05	4,303
06/30/92	18:10	3,550
06/30/92	18:15	3,394
07/04/92	22:15	14,800
07/04/92	22:20	15,776
07/04/92	22:25	10,855
07/04/92	22:30	5,260
07/04/92	22:35	3,215
07/04/92	22:40	2,545
07/05/92	22:40	487
07/05/92	22:45	13,555
07/05/92	22:50	10,100
07/05/92	22:55	6,740
07/05/92	23:00	3,973
07/05/92	23:05	2,656
07/05/92	23:10	2,090
07/17/92	03:50	3,060
07/17/92	03:55	4,475
07/17/92	04:00	5,315
07/17/92	04:05	3,130
07/17/92	04:10	2,709
07/17/92	04:15	1,907
07/17/92	04:20	1,600
07/17/92	04:25	1,404
07/17/92	04:30	1,380
07/17/92	04:35	1,280
07/17/92	04:40	1,349
07/17/92	04:45	4,985
07/17/92	04:50	4,410
07/17/92	04:55	3,698
07/17/92	05:00	2,344
07/17/92	05:05	1,670
07/17/92	05:10	1,345
07/17/92	05:15	1,132
07/17/92	05:20	988
07/17/92	05:25	898
07/17/92	05:30	765
07/17/92	05:35	699
07/17/92	05:40	750
07/17/92	05:45	692
08/23/92	12:25	514
08/23/92	12:30	1,359
08/23/92	12:35	767
08/23/92	12:40	391
08/23/92	12:45	294
08/23/92	12:50	223
08/23/92	12:55	157
08/23/92	13:00	150
08/23/92	13:05	131
08/23/92	13:10	102
08/27/92	11:45	720
08/27/92	11:50	1,484
08/27/92	11:55	1,010
08/27/92	12:00	482
08/27/92	12:05	452
08/27/92	12:10	341
08/27/92	12:15	277
08/27/92	12:20	248
08/27/92	12:25	195
08/27/92	12:30	164
08/27/92	12:35	167
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	Sediment suspended (mg/L)
08/27/92	12:45	145
08/27/92	12:50	132
09/22/92	02:30	832
09/22/92	02:35	849
09/22/92	02:40	495
09/22/92	02:45	199
09/22/92	02:50	211
09/22/92	02:55	241
09/22/92	03:00	235
09/22/92	03:05	158
09/22/92	03:10	132
09/22/92	03:15	111
09/22/92	03:20	140
09/22/92	03:25	152
09/22/92	03:30	160
09/22/92	03:35	111
09/22/92	03:40	95
09/22/92	03:45	88
09/22/92	03:50	78
09/22/92	03:55	74
09/22/92	04:00	73
09/22/92	04:05	77
09/22/92	04:10	79
09/22/92	04:15	79
09/22/92	04:20	85
09/22/92	04:25	100
09/22/92	04:50	71
09/22/92	04:55	64
09/22/92	05:00	54
09/22/92	05:10	47
09/22/92	05:20	43
09/22/92	05:35	33
09/22/92	05:40	35
09/22/92	05:45	32
09/22/92	05:50	33
11/12/92	08:45	15,100
11/22/92	00:30	1,643
11/22/92	00:35	2,414
11/22/92	00:40	1,868
11/22/92	00:45	1,364
11/22/92	00:50	1,267
11/22/92	01:00	1,982
11/22/92	01:05	1,736
11/22/92	01:10	1,423
11/22/92	01:15	1,055
11/22/92	01:20	933
11/22/92	01:25	851
11/22/92	01:30	806
11/22/92	01:35	937
11/22/92	01:40	1,024
11/22/92	01:45	1,205
11/22/92	01:50	1,006
11/22/92	01:55	929
11/22/92	02:00	855
11/22/92	02:05	849
11/22/92	03:35	403
11/22/92	03:45	1,307
11/22/92	03:55	3,069
11/22/92	04:05	2,278
11/22/92	04:15	1,368
11/22/92	04:25	1,057
11/22/92	04:35	799
11/22/92	04:45	639
11/22/92	04:55	561
11/22/92	05:05	448
11/22/92	05:15	346
03/31/93	00:45	876
03/31/93	00:50	940
03/31/93	00:55	916
03/31/93	01:00	779
03/31/93	01:05	740
03/31/93	01:10	816
03/31/93	01:15	1,314
03/31/93	01:20	2,328
03/31/93	01:25	2,805
03/31/93	01:30	2,263
03/31/93	01:35	1,649
03/31/93	01:40	1,282
03/31/93	01:45	1,056
03/31/93	01:50	962
03/31/93	01:55	872
03/31/93	02:00	786
03/31/93	02:05	697
04/14/93	20:55	5,744
04/14/93	21:00	3,546
04/14/93	21:05	2,121
04/14/93	21:10	1,453
04/14/93	21:15	1,190
04/14/93	21:20	954
04/14/93	21:25	904
04/14/93	21:30	846
04/14/93	21:35	754
04/14/93	21:40	5,837
04/14/93	21:45	11,759
04/14/93	21:50	6,865
04/14/93	21:55	3,942
04/14/93	22:00	3,125
04/14/93	22:05	2,436
04/14/93	22:10	2,076
04/14/93	22:15	1,768
04/14/93	22:16	1,592
04/14/93	22:17	1,540
04/14/93	22:18	1,527
04/14/93	22:19	1,459
04/14/93	22:20	1,527
04/14/93	22:21	1,355
04/14/93	22:22	1,347
04/14/93	22:23	1,312
04/14/93	22:24	1,271
04/14/93	22:25	1,365
04/14/93	22:26	1,195
04/14/93	22:30	1,244
04/14/93	22:35	1,775
04/14/93	22:40	1,084
04/14/93	22:45	942
04/14/93	22:50	837
04/14/93	22:55	694
04/14/93	23:00	763
04/14/93	23:05	804
04/14/93	23:10	667
04/14/93	23:15	563
04/14/93	23:20	459
04/14/93	23:25	432
04/14/93	23:30	394
04/14/93	23:35	240
04/14/93	23:40	348
04/14/93	23:45	334
04/14/93	23:50	331
04/14/93	23:55	317
04/14/93	24:00	246
04/15/93	00:05	328
04/15/93	00:10	330
04/15/93	00:15	564
04/15/93	00:20	1,300
04/15/93	00:25	1,561
04/15/93	00:30	1,126
04/15/93	00:35	784
04/15/93	00:40	634
04/15/93	00:45	563
04/15/93	00:50	486
04/15/93	00:55	426
04/15/93	01:00	404
04/15/93	01:05	365
04/15/93	01:10	351
04/15/93	01:15	309
04/15/93	01:20	286
04/15/93	01:25	243
04/15/93	01:30	253
04/15/93	01:35	222
04/15/93	01:40	220
04/15/93	01:45	221
04/15/93	01:50	214
04/15/93	01:55	200
04/15/93	02:00	194
04/15/93	02:05	121
04/15/93	02:10	151
04/15/93	02:15	152
04/15/93	02:20	123
04/15/93	02:25	153
04/15/93	02:30	134
04/15/93	02:35	183
04/15/93	02:40	192
04/15/93	02:45	223
04/15/93	02:50	245
04/15/93	02:55	192
04/15/93	03:00	173
04/15/93	03:05	173
04/15/93	03:10	156
04/15/93	03:15	145
04/15/93	03:20	115
04/15/93	03:25	119
04/15/93	03:30	122
04/15/93	03:35	122
04/15/93	03:40	111
04/15/93	03:45	115
04/15/93	03:50	98
04/15/93	03:55	77
04/15/93	04:00	96
04/15/93	04:05	92
04/15/93	04:10	67
04/15/93	04:15	89
04/15/93	04:20	71
04/15/93	04:25	74
04/15/93	04:30	81
04/15/93	04:35	73
04/15/93	04:40	94
04/15/93	04:45	82
04/15/93	04:50	88
04/15/93	06:35	57
04/20/93	01:05	9,173
04/20/93	01:10	8,192
04/20/93	01:15	3,289
04/20/93	01:20	1,873
04/20/93	01:25	1,313
04/20/93	01:30	919
04/20/93	01:35	811
04/20/93	01:40	710
04/20/93	01:45	675
04/20/93	01:50	644
04/20/93	01:55	590
04/20/93	02:00	555
04/20/93	02:05	509
04/20/93	02:10	447
04/20/93	02:15	362
04/20/93	02:20	452
04/20/93	02:25	444
04/20/93	02:30	408
04/20/93	02:35	373
04/20/93	02:40	362
04/20/93	02:45	399
04/20/93	02:50	307
04/20/93	02:55	404
04/20/93	03:00	450
04/20/93	03:05	446
04/20/93	03:10	406
04/20/93	03:15	391
04/20/93	03:20	481
04/20/93	03:25	550
04/20/93	03:30	539
04/20/93	03:35	417
04/20/93	03:40	305
04/20/93	03:45	235
04/20/93	03:50	240
04/20/93	03:55	212
04/20/93	04:00	353
04/20/93	04:05	489
04/20/93	04:10	504
04/20/93	04:15	409
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	Sediment suspended (mg/L)
04/20/93	04:25	211
04/20/93	04:30	190
04/20/93	04:35	160
04/20/93	04:40	164
04/20/93	04:45	143
04/20/93	04:50	158
04/20/93	04:55	156
04/20/93	05:00	148
04/20/93	05:05	105
04/20/93	05:10	117
04/20/93	05:15	126
04/20/93	05:20	82
04/20/93	05:25	83
04/20/93	05:30	80
04/20/93	05:35	89
04/20/93	05:40	74
04/20/93	05:45	86
04/20/93	05:50	77
04/20/93	05:55	89
04/20/93	06:00	98
04/20/93	06:05	94
04/20/93	06:10	70
04/25/93	10:50	99
04/25/93	10:55	186
04/25/93	11:00	180
04/25/93	11:05	156
04/25/93	11:10	126
04/25/93	11:15	105
04/25/93	11:20	90
04/25/93	11:25	78
04/25/93	11:30	65
04/25/93	11:35	69
04/25/93	11:40	66
04/25/93	11:45	161
04/25/93	11:50	460
04/25/93	11:55	775
04/25/93	12:00	818
04/25/93	12:05	779
04/25/93	12:10	686
04/25/93	12:15	600
04/25/93	12:20	550
04/25/93	12:25	581
04/25/93	12:30	890
04/25/93	12:35	1,082
04/25/93	12:40	1,014
04/25/93	12:45	827
05/02/93	07:55	409
05/02/93	08:00	1,780
05/02/93	08:05	1,723
05/02/93	08:10	1,219
05/02/93	08:15	618
05/02/93	08:20	397
05/02/93	08:25	329
05/02/93	08:30	273
05/02/93	08:35	101
05/02/93	08:40	221
05/02/93	08:45	187
05/02/93	08:50	145
05/02/93	08:55	161
05/02/93	09:00	156
05/02/93	09:05	129
05/02/93	09:10	99
05/02/93	09:15	104
05/02/93	09:20	118
05/02/93	09:25	109
05/02/93	09:30	85
05/02/93	09:35	94
05/02/93	09:40	85
05/02/93	09:45	90
05/02/93	09:50	79
05/13/93	05:05	197
05/13/93	05:10	251
05/13/93	05:15	244
05/13/93	05:20	221
05/13/93	05:25	185
05/13/93	05:30	168
05/13/93	05:35	152
05/13/93	05:40	137
05/13/93	05:45	122
05/31/93	00:20	13,523
05/31/93	00:25	11,551
05/31/93	00:30	9,478
05/31/93	00:35	4,417
05/31/93	00:40	2,651
05/31/93	00:45	1,802
05/31/93	00:50	1,473
05/31/93	00:55	1,297
05/31/93	01:00	1,135
05/31/93	01:05	965
05/31/93	01:10	841
05/31/93	01:15	776
05/31/93	01:20	695
05/31/93	01:25	622
05/31/93	01:30	532
05/31/93	01:35	542
05/31/93	01:40	510
05/31/93	01:45	487
05/31/93	01:50	471
05/31/93	01:55	436
05/31/93	02:00	404
05/31/93	02:05	389
05/31/93	02:10	381
05/31/93	02:15	357
06/10/93	07:35	7,739
06/10/93	07:40	9,938
06/10/93	07:45	11,409
06/10/93	07:50	6,044
06/10/93	07:55	3,963
06/10/93	08:00	2,737
06/10/93	08:05	1,834
06/10/93	08:10	1,378
06/10/93	08:15	1,156
06/10/93	08:20	1,079
06/10/93	08:25	999
06/10/93	08:30	918
06/10/93	08:35	878
06/10/93	08:40	777
06/10/93	08:45	799
06/10/93	08:50	758
06/10/93	08:55	668
06/10/93	09:00	681
06/10/93	09:05	639
06/10/93	09:10	639
06/10/93	09:15	648
06/10/93	09:20	559
06/10/93	09:25	596
06/10/93	09:30	14,977
06/24/93	17:10	6,926
06/24/93	17:15	6,428
06/24/93	17:20	5,165
06/24/93	17:25	3,491
06/24/93	17:30	2,945
06/24/93	17:35	1,889
06/24/93	17:40	1,408
06/24/93	17:45	1,116
06/24/93	17:50	913
06/24/93	17:55	778
06/24/93	18:00	690
06/24/93	18:05	718
06/24/93	18:10	627
06/24/93	18:15	481
06/24/93	18:20	436
06/24/93	18:25	377
06/24/93	18:30	351
06/24/93	18:35	354
06/24/93	18:40	312
06/24/93	18:45	299
06/24/93	18:50	299
06/24/93	18:55	410
06/25/93	13:30	1,460
06/25/93	13:35	1,082
06/25/93	13:40	1,386
06/25/93	13:45	1,503
06/25/93	13:50	1,173
06/25/93	13:55	1,046
06/25/93	15:30	251
06/25/93	15:35	250
06/25/93	15:40	247
06/28/93	14:45	1,288
06/28/93	14:50	5,339
06/28/93	14:55	3,545
06/28/93	15:00	2,054
06/28/93	15:05	1,534
06/28/93	15:10	1,377
06/28/93	15:15	1,002
06/28/93	15:20	805
06/28/93	15:25	667
06/28/93	15:30	572
06/28/93	15:35	504
06/28/93	15:40	413
06/28/93	15:45	434
06/28/93	15:50	321
06/28/93	15:55	331
06/28/93	16:00	298
06/28/93	16:05	281
06/28/93	16:10	245
06/28/93	16:15	258
06/28/93	16:20	205
06/28/93	16:25	228
06/28/93	16:30	224
06/28/93	16:35	214
06/28/93	16:40	199
06/28/93	16:55	187
06/28/93	17:00	186
06/28/93	17:05	173
06/28/93	17:10	171
06/28/93	17:15	170
06/28/93	17:20	174
06/28/93	17:23	159
06/28/93	17:25	158
06/29/93	04:50	5,153
06/29/93	04:55	6,295
06/29/93	05:00	4,559
06/29/93	05:05	2,776
06/29/93	05:10	2,144
06/29/93	05:15	1,715
06/29/93	05:20	1,324
06/29/93	05:25	1,181
06/29/93	05:30	1,063
06/29/93	05:35	996
06/29/93	05:40	935
06/29/93	05:45	863
06/29/93	05:50	782
06/29/93	05:55	720
06/29/93	06:00	643
06/29/93	06:05	579
06/29/93	06:10	507
06/29/93	06:15	456
06/29/93	06:20	408
06/29/93	06:25	329
06/29/93	06:30	329
06/29/93	06:35	290
06/29/93	06:40	292
06/29/93	06:45	288
07/22/93	17:05	734
07/22/93	17:10	5,931
07/22/93	17:15	5,576
07/22/93	17:20	3,127
07/22/93	17:25	1,816
07/22/93	17:30	1,564
07/22/93	17:35	1,510
07/22/93	17:40	1,621
07/22/93	17:45	1,277
07/22/93	17:50	1,057
07/22/93	17:55	879
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	Sediment suspended (mg/L)
07/22/93	18:05	614
07/22/93	18:10	489
07/22/93	18:15	394
07/22/93	18:20	328
07/22/93	18:25	278
07/22/93	18:30	236
07/22/93	18:35	206
07/22/93	18:40	189
07/22/93	18:45	166
07/22/93	18:50	156
07/22/93	18:55	154
07/22/93	19:00	146
08/02/93	00:45	618
08/02/93	00:50	7,773
08/02/93	00:55	7,584
08/02/93	01:00	4,154
08/02/93	01:05	2,833
08/02/93	01:10	2,622
08/02/93	01:15	1,975
08/02/93	01:20	1,587
08/02/93	01:25	1,490
08/02/93	01:30	1,613
08/02/93	01:35	1,778
08/02/93	01:40	1,439
08/02/93	01:45	1,275
08/02/93	01:50	1,035
08/02/93	01:55	1,112
08/02/93	02:00	816
08/02/93	02:05	707
08/02/93	02:10	608
08/02/93	02:15	545
08/02/93	02:20	436
08/02/93	02:25	350
08/02/93	02:30	289
08/02/93	02:35	278
08/02/93	02:40	236
08/02/93	03:35	123
08/02/93	03:40	84
08/02/93	03:45	79
08/02/93	03:50	77
08/02/93	03:55	63
08/02/93	04:00	70
08/02/93	04:05	69
08/02/93	04:10	78
08/02/93	04:20	70
08/02/93	04:25	64
08/02/93	04:30	60
08/02/93	04:35	62
08/02/93	04:40	58
08/02/93	04:45	57
08/05/93	19:05	2,345
08/05/93	19:10	8,472
08/05/93	19:15	3,801
08/05/93	19:20	2,305
08/05/93	19:25	2,021
08/05/93	19:30	1,379
08/05/93	19:35	849
08/05/93	19:40	870
08/05/93	19:45	974
08/05/93	19:50	823
08/05/93	19:55	782
08/05/93	20:00	676
08/05/93	20:05	542
08/05/93	20:10	456
08/05/93	20:15	428
08/05/93	20:20	337
08/05/93	20:25	289
08/05/93	20:30	258
08/05/93	20:35	229
08/05/93	20:40	194
08/05/93	20:45	180
08/05/93	20:50	167
08/05/93	20:55	151
08/05/93	21:00	137
08/05/93	21:15	116
08/05/93	21:20	99
08/05/93	21:25	96
08/05/93	21:30	88
08/05/93	21:35	83
08/05/93	21:40	78
08/05/93	21:45	70
08/05/93	21:50	72
08/05/93	21:55	69
08/05/93	22:00	66
08/05/93	22:05	65
08/05/93	22:10	60
08/05/93	22:15	67
08/05/93	22:20	66
08/05/93	22:25	63
08/05/93	22:30	69
08/05/93	22:35	69
08/05/93	22:40	70
08/05/93	22:45	123
08/05/93	22:50	322
08/05/93	22:55	401
08/05/93	23:00	396
08/05/93	23:05	340
08/05/93	23:10	277
09/09/93	03:55	335
09/09/93	04:00	337
09/09/93	04:05	332
09/09/93	04:10	328
09/24/93	22:15	88
09/24/93	22:20	85
09/24/93	22:35	76
09/24/93	22:40	73
09/24/93	22:45	61
09/24/93	22:50	64
09/24/93	22:55	57
09/24/93	23:00	57
09/24/93	23:45	43
09/25/93	15:35	36
09/25/93	15:40	35
09/25/93	15:45	117
09/25/93	15:50	222
09/25/93	15:55	244
09/25/93	16:00	227
09/25/93	16:05	214
09/25/93	16:10	197
09/25/93	16:15	168
09/25/93	16:20	170
09/25/93	16:25	164
09/25/93	16:30	152
09/25/93	16:35	138
09/25/93	16:40	148
09/25/93	16:45	122
09/25/93	16:50	119
09/25/93	16:55	119
09/25/93	17:00	124
09/25/93	17:05	146
09/25/93	17:10	171
09/25/93	17:15	220
09/25/93	17:20	220
09/25/93	17:25	188
09/25/93	17:30	198
10/02/93	10:30	188
10/02/93	10:35	222
10/02/93	10:40	462
10/02/93	10:45	809
10/02/93	10:50	901
10/02/93	10:55	674
10/02/93	11:00	543
10/02/93	11:05	459
10/02/93	11:10	472
10/02/93	11:15	434
10/02/93	11:20	423
10/02/93	11:25	421
10/02/93	11:30	392
10/02/93	11:35	352
10/02/93	11:40	351
10/02/93	11:45	295
10/02/93	11:50	285
10/02/93	11:55	236
10/02/93	12:00	238
10/02/93	12:05	226
10/09/93	05:35	119
10/09/93	05:40	227
10/09/93	05:45	258
10/09/93	05:50	319
10/09/93	05:55	264
10/18/93	08:20	1,708
10/18/93	08:25	2,283
10/18/93	08:30	1,775
10/18/93	08:35	1,185
10/18/93	08:40	904
10/18/93	08:45	890
10/18/93	08:50	875
10/18/93	08:55	820
10/18/93	09:00	813
10/18/93	09:05	684
10/18/93	09:10	564
10/18/93	09:15	502
10/18/93	09:20	426
10/18/93	09:25	357
10/18/93	09:30	308
10/18/93	09:35	256
10/18/93	09:40	224
10/18/93	09:45	198
10/18/93	09:50	180
10/18/93	09:55	169
10/18/93	10:00	153
10/18/93	10:05	141
10/18/93	10:10	135
10/18/93	10:15	129
10/19/93	03:50	74
10/19/93	03:55	78
10/19/93	04:00	453
10/19/93	04:05	1,049
10/19/93	04:10	1,318
10/19/93	04:15	858
10/19/93	04:20	826
10/19/93	04:25	785
10/19/93	04:30	830
10/19/93	04:35	865
10/19/93	04:40	964
10/19/93	04:45	922
10/19/93	04:50	697
10/19/93	04:55	513
10/19/93	05:00	410
10/19/93	05:05	339
10/19/93	05:10	289
10/19/93	05:15	246
10/19/93	05:20	223
10/19/93	05:25	199
10/19/93	05:30	183
10/19/93	05:35	167
10/19/93	05:40	156
10/19/93	06:20	117
10/19/93	06:50	107
10/19/93	07:10	110
10/19/93	07:25	111
10/19/93	07:30	109
10/19/93	07:35	109
10/19/93	07:40	105
10/19/93	07:45	110
10/19/93	07:50	132
10/19/93	07:55	166
10/19/93	08:00	170
10/19/93	08:05	160
10/19/93	08:10	147
10/19/93	08:15	135
10/19/93	08:20	126
10/19/93	08:25	123
10/19/93	08:30	121
10/19/93	08:35	118
10/19/93	08:40	113
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	Sediment suspended (mg/L)
10/19/93	08:50	102
10/19/93	08:55	99
10/19/93	09:00	101
10/19/93	09:05	92
10/19/93	15:10	80
10/19/93	15:15	85
10/19/93	15:20	78
10/19/93	15:25	76
10/19/93	15:30	71
10/19/93	15:35	78
10/19/93	15:40	69
10/19/93	15:45	66
11/13/93	09:00	186
11/13/93	09:05	166
11/13/93	09:10	488
11/13/93	09:15	784
11/13/93	09:20	907
11/13/93	09:25	1,126
11/13/93	09:30	1,173
11/13/93	09:35	1,260
11/13/93	09:40	911
11/13/93	09:45	681
11/13/93	09:50	543
11/13/93	09:55	614
11/13/93	10:00	496
11/13/93	10:05	447
11/13/93	10:10	339
11/13/93	10:15	420
11/13/93	10:20	338
11/13/93	10:25	291
11/13/93	10:30	277
11/13/93	10:35	244
11/13/93	10:40	224
11/13/93	10:45	224
11/13/93	10:50	198
11/13/93	10:55	196
11/13/93	12:55	140
11/13/93	13:00	144
11/13/93	13:05	140
11/13/93	13:10	167
11/13/93	13:15	313
11/13/93	13:20	294
11/13/93	13:25	313
11/13/93	13:30	259
11/13/93	13:35	268
11/13/93	13:40	250
11/13/93	13:45	244
11/13/93	13:50	226
11/13/93	13:55	214
11/13/93	14:00	214
11/13/93	14:05	217
11/13/93	14:10	215
11/13/93	14:15	231
11/13/93	14:20	212
11/13/93	14:25	210
11/13/93	14:30	197
11/13/93	14:35	174
11/13/93	14:40	176
11/13/93	14:45	172
11/13/93	14:50	163
11/16/93	14:50	151
11/16/93	14:55	282
11/16/93	15:00	1,397
11/16/93	15:05	1,779
11/16/93	15:10	2,093
11/16/93	15:15	1,314
11/16/93	15:20	1,040
11/16/93	15:25	1,008
11/16/93	15:30	1,109
11/16/93	15:35	914
11/16/93	15:40	759
11/16/93	15:45	569
11/16/93	15:50	568
11/16/93	15:55	477
11/16/93	16:00	592
11/16/93	16:05	676
11/16/93	16:10	675
11/16/93	16:15	595
11/16/93	16:20	1,457
11/16/93	16:25	1,213
11/16/93	16:30	4,376
11/16/93	16:35	2,344
11/16/93	16:40	2,108
11/16/93	16:45	1,882
11/16/93	17:00	1,193
11/16/93	17:05	837
11/16/93	17:10	639
11/16/93	17:15	509
11/16/93	17:20	385
11/16/93	17:25	369
11/16/93	17:30	329
11/16/93	17:35	284
11/16/93	17:40	244
11/16/93	17:45	229
11/16/93	17:50	207
11/16/93	17:55	216
11/16/93	18:00	248
11/16/93	18:05	213
11/16/93	18:10	173
11/16/93	18:15	144
11/16/93	18:20	135
11/16/93	18:25	123
11/16/93	18:30	115
11/16/93	18:35	112
11/16/93	18:40	101
11/16/93	18:45	96
11/16/93	18:50	81
11/16/93	18:55	86
11/16/93	19:00	78
11/16/93	19:05	82
11/16/93	19:10	82
11/16/93	19:15	74
11/16/93	19:20	76
11/16/93	19:25	73
11/16/93	19:30	74
11/16/93	19:35	72
11/16/93	19:40	62
11/16/93	19:45	76
11/16/93	19:50	65
11/16/93	19:55	65
11/16/93	20:00	69
11/16/93	20:05	71
11/16/93	20:10	69
11/16/93	20:15	84
11/16/93	20:20	106
11/16/93	20:25	104
11/16/93	20:30	117
11/16/93	20:35	120
11/16/93	21:00	687
11/16/93	21:05	982
11/16/93	21:10	886
11/16/93	21:15	677
11/16/93	21:20	982
11/16/93	21:25	982
11/16/93	21:30	586
11/16/93	21:35	612
11/16/93	21:40	477
11/16/93	21:45	337
11/16/93	21:50	268
11/16/93	21:55	225
11/16/93	22:00	211
11/16/93	22:05	174
11/16/93	22:10	159
11/16/93	22:15	156
11/16/93	22:20	138
11/16/93	22:25	131
11/16/93	22:30	132
11/16/93	22:35	144
11/16/93	22:40	151
11/16/93	22:45	137
11/16/93	22:50	115
11/16/93	22:55	103
03/24/94	08:15	18,539
03/24/94	08:20	8,759
03/24/94	08:25	5,479
03/24/94	08:30	3,181
03/24/94	08:35	2,419
03/24/94	08:40	2,187
03/24/94	08:45	2,088
03/24/94	08:50	1,693
03/24/94	08:55	1,408
03/24/94	09:00	1,189
03/24/94	09:05	1,086
03/24/94	09:10	1,023
03/24/94	09:15	905
03/24/94	09:20	823
03/24/94	09:25	713
03/24/94	09:30	629
03/24/94	09:35	566
03/24/94	09:40	504
03/24/94	09:45	473
03/24/94	09:50	438
03/24/94	09:55	394
03/24/94	10:00	393
03/24/94	10:05	356
03/24/94	10:10	317
03/24/94	10:15	307
03/24/94	10:20	271
03/24/94	10:30	242
03/24/94	10:35	230
03/24/94	10:40	215
03/24/94	10:45	209
03/24/94	10:50	204
03/24/94	10:55	182
03/24/94	11:00	177
03/24/94	11:05	161
03/24/94	11:10	133
03/24/94	11:15	147
03/24/94	11:20	134
03/24/94	11:25	128
03/24/94	11:30	140
03/24/94	11:35	119
03/24/94	11:40	121
03/24/94	11:45	127
03/24/94	11:50	112
03/24/94	11:55	114
03/24/94	12:00	89
03/24/94	12:05	87
03/24/94	12:10	108
03/24/94	12:20	102
03/24/94	12:25	106
03/24/94	12:30	100
03/24/94	12:35	110
03/24/94	12:40	122
03/24/94	12:45	147
03/24/94	12:50	159
03/24/94	12:55	183
03/24/94	13:00	204
03/24/94	13:05	206
03/24/94	13:10	230
03/24/94	13:15	223
03/24/94	13:20	219
03/24/94	13:25	193
03/24/94	13:30	198
03/24/94	13:35	183
03/24/94	13:40	161
03/24/94	13:45	158
03/24/94	13:50	160
03/24/94	13:55	148
03/24/94	14:00	137
03/24/94	14:05	119
03/24/94	14:10	119
03/24/94	14:15	119

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

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	Sediment suspended (mg/L)
08/09/91	05:40	3,220
08/09/91	05:55	3,037
08/09/91	06:10	2,433
08/09/91	06:25	1,991
08/09/91	06:40	1,719
02/17/92	20:00	5,460
02/17/92	20:05	5,221
02/17/92	20:10	6,517
02/17/92	20:15	8,420
02/17/92	20:20	5,142
02/17/92	20:25	6,677
02/17/92	20:30	6,870
02/17/92	20:35	6,282
02/17/92	20:40	5,133
02/17/92	20:50	3,956
02/17/92	20:55	3,734
02/17/92	21:00	2,640
02/17/92	21:05	2,750
02/17/92	21:10	2,262
02/17/92	21:20	1,933
02/17/92	21:25	1,830
02/17/92	21:30	3,600
02/17/92	21:35	1,762
02/17/92	21:40	5,658
02/17/92	21:45	1,050
02/17/92	21:50	1,075
02/17/92	21:55	915
02/17/92	22:40	568
02/17/92	22:45	526
02/17/92	22:50	537
02/17/92	22:55	494
02/17/92	23:00	450
02/17/92	23:05	413
02/17/92	23:10	393
02/17/92	23:15	388
02/17/92	23:20	455
02/18/92	11:10	2,740
02/18/92	17:00	69
02/25/92	17:35	677
02/25/92	17:45	1,585
02/25/92	17:50	2,476
02/25/92	17:55	1,127
02/25/92	18:05	4,113
02/25/92	18:10	3,688
02/25/92	18:15	3,250
02/25/92	18:20	2,830
02/25/92	18:25	2,315
02/25/92	18:30	39,800
02/25/92	18:35	1,712
02/25/92	18:40	1,426
02/25/92	18:45	1,310
02/25/92	18:50	1,184
02/25/92	18:55	1,100
02/25/92	19:00	870
02/25/92	19:05	948
02/25/92	19:10	883
02/25/92	19:15	698
02/25/92	19:20	773
02/25/92	19:25	733
02/25/92	19:30	680
03/18/92	02:35	1,811
03/18/92	02:40	2,676
03/18/92	02:45	3,440
03/18/92	02:50	3,795
03/18/92	02:55	5,153
03/18/92	03:00	6,140
03/18/92	03:05	9,492
03/18/92	03:10	8,327
03/18/92	03:15	11,900
03/18/92	03:20	17,489
03/18/92	03:30	11,169
03/18/92	03:40	5,910
03/18/92	03:45	4,300
03/18/92	03:50	3,897
03/18/92	03:55	4,970
03/18/92	04:00	2,855
03/18/92	04:05	2,324
03/18/92	04:10	2,350
03/18/92	04:15	1,850
03/18/92	04:25	1,572
03/18/92	04:35	1,390
03/18/92	04:40	1,450
03/18/92	04:45	1,300
03/18/92	04:50	1,447
03/18/92	04:55	1,859
03/18/92	05:00	1,240
03/18/92	05:05	1,256
03/18/92	05:15	1,463
03/18/92	05:20	1,430
03/18/92	05:25	1,646
03/18/92	05:30	1,849
03/18/92	05:35	1,450
03/18/92	05:40	1,880
03/18/92	05:45	1,818
03/18/92	05:50	7,170
04/20/92	05:50	1,920
04/20/92	05:55	3,030
04/20/92	06:00	4,171
04/20/92	06:05	12,262
04/20/92	06:10	12,400
04/20/92	06:25	20,400
04/20/92	06:30	20,245
04/20/92	06:35	16,917
04/20/92	06:40	13,400
04/20/92	06:50	10,521
04/20/92	06:55	10,400
04/20/92	07:00	9,234
04/20/92	07:05	6,907
04/20/92	07:10	7,570
04/20/92	07:15	6,788
04/20/92	07:20	6,567
04/20/92	07:25	6,940
04/20/92	07:35	6,017
04/20/92	07:40	5,530
04/20/92	08:15	4,550
04/20/92	08:40	6,017
04/20/92	08:45	8,180
04/20/92	08:50	7,309
04/20/92	08:55	6,341
04/20/92	09:00	7,810
04/20/92	09:05	6,302
04/20/92	09:10	6,103
04/20/92	09:20	1,937
04/20/92	09:25	7,326
04/20/92	09:30	6,570
04/20/92	09:35	5,195
04/20/92	09:40	5,795
04/20/92	09:45	5,390
04/20/92	09:50	4,733
04/20/92	09:55	4,990
04/20/92	10:00	5,200
04/20/92	10:05	8,914
05/29/92	08:20	3,060
05/29/92	08:25	47,667
05/29/92	08:30	24,557
05/29/92	08:35	51,500
05/29/92	08:40	40,241
05/29/92	08:45	29,900
05/29/92	08:50	23,300
05/29/92	08:55	19,065
05/29/92	09:00	16,067
05/29/92	09:05	14,200
05/29/92	09:10	28,216
05/29/92	09:15	33,912
05/29/92	09:20	27,500
05/29/92	09:25	21,898
05/29/92	09:30	18,949
05/29/92	09:35	13,300
05/29/92	09:40	10,655
05/29/92	09:45	8,897
05/29/92	09:50	6,760
05/29/92	09:55	11,955
05/29/92	10:00	5,859
05/29/92	10:05	7,360
05/29/92	10:10	54,675
05/29/92	10:15	56,665
05/29/92	10:40	18,200
05/29/92	10:45	15,890
05/29/92	10:50	15,172
05/29/92	10:55	13,400
05/29/92	11:00	12,664
05/29/92	11:05	11,860
05/29/92	11:10	10,900
05/29/92	11:15	9,235
05/29/92	11:20	10,730
05/29/92	11:25	10,500
05/29/92	11:30	10,009
05/29/92	11:35	9,994
05/29/92	11:40	9,470
05/29/92	11:45	9,836
05/29/92	11:50	9,353
05/29/92	11:55	8,510
05/29/92	12:00	8,522
05/29/92	12:05	8,047
05/29/92	12:10	7,600
05/29/92	12:15	7,338
05/29/92	12:20	6,649
05/29/92	12:25	6,690
05/29/92	12:30	6,138
05/29/92	12:35	5,944
05/29/92	12:45	4,920
05/29/92	17:00	1,020
05/29/92	17:05	819
05/29/92	17:10	883
06/03/92	03:00	4,930
06/03/92	03:05	6,070
06/03/92	03:10	6,502
06/03/92	03:15	5,970
06/03/92	03:20	5,848
06/03/92	03:25	5,639
06/03/92	03:30	3,850
06/03/92	03:35	4,434
06/03/92	03:40	3,655
06/03/92	03:45	3,630
06/03/92	03:50	3,453
06/03/92	03:55	4,407
06/03/92	04:00	5,240
06/03/92	04:05	7,054
06/03/92	04:10	8,377
06/03/92	04:15	7,880
06/03/92	04:20	8,058
06/03/92	04:25	6,882
06/03/92	04:30	5,530
06/03/92	04:35	4,862
06/03/92	04:40	4,471
06/03/92	04:45	7,180
06/03/92	05:00	53,100
06/03/92	05:05	42,116
06/03/92	05:10	34,069
06/03/92	05:15	29,100
06/03/92	05:20	28,153
06/03/92	05:25	27,631
06/03/92	05:30	25,600
06/03/92	05:35	25,805
06/03/92	05:40	31,555
06/03/92	05:45	25,300
06/03/92	05:50	24,213
06/03/92	05:55	24,441
06/03/92	06:00	22,300
06/03/92	06:05	22,775
06/03/92	06:10	22,034
06/03/92	06:15	24,800
06/03/92	06:20	22,037
06/03/92	06:25	20,986
06/03/92	06:30	18,100
06/03/92	06:35	16,410
06/03/92	06:45	14,300
06/03/92	06:50	13,885
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	Sediment suspended (mg/L)
06/03/92	08:00	15,200
06/03/92	08:05	14,432
06/03/92	08:10	13,939
06/03/92	08:15	12,600
06/03/92	08:20	12,077
06/03/92	08:25	11,921
06/03/92	08:30	12,400
06/03/92	08:35	12,583
06/03/92	08:40	12,480
06/03/92	08:45	13,600
06/03/92	08:50	13,180
06/03/92	08:55	12,656
06/03/92	09:00	13,900
06/03/92	09:05	12,472
06/03/92	09:10	12,228
06/03/92	09:15	11,200
06/03/92	09:20	8,996
06/03/92	09:25	8,299
06/03/92	09:30	8,170
06/03/92	09:35	6,568
06/03/92	09:40	6,131
06/03/92	09:45	5,350
06/03/92	09:50	6,379
06/03/92	09:55	5,050
06/03/92	10:00	5,520
06/03/92	10:05	4,750
06/03/92	10:10	4,160
06/10/92	20:40	3,740
06/10/92	20:45	4,417
06/10/92	20:50	4,703
06/10/92	20:55	9,061
06/10/92	21:00	4,637
06/10/92	21:05	4,104
06/10/92	21:10	4,130
06/10/92	21:15	4,641
06/10/92	21:20	5,211
06/10/92	21:25	6,900
06/10/92	21:30	6,897
06/10/92	21:35	5,931
06/10/92	21:40	4,870
06/10/92	21:45	4,915
06/10/92	21:50	5,246
06/10/92	21:55	4,170
06/10/92	22:00	4,301
06/10/92	22:05	4,236
06/10/92	22:10	4,190
06/10/92	22:15	3,587
06/10/92	22:20	3,186
06/10/92	22:25	2,370
06/10/92	22:30	967
06/10/92	22:35	960
06/26/92	03:05	1,590
06/26/92	03:10	3,081
06/26/92	03:15	3,116
06/26/92	03:20	2,950
06/26/92	03:25	2,523
06/26/92	03:30	3,102
06/26/92	03:35	3,500
06/26/92	03:40	2,724
06/26/92	03:45	2,553
06/26/92	03:50	3,360
07/05/92	23:50	2,310
07/05/92	23:55	4,021
07/05/92	24:00	6,138
07/06/92	00:05	10,600
07/06/92	00:10	14,290
07/06/92	00:15	18,489
07/06/92	00:20	16,700
07/06/92	00:25	13,863
07/06/92	00:30	11,221
07/06/92	00:35	10,300
07/06/92	00:40	8,187
07/06/92	00:45	6,534
07/06/92	00:50	6,260
07/06/92	00:55	5,604
07/06/92	01:00	2,774
07/06/92	01:05	4,200
07/06/92	01:10	7,267
07/06/92	01:15	4,477
07/06/92	01:20	4,000
07/06/92	01:25	4,231
07/06/92	01:30	4,494
07/06/92	01:40	4,250
07/06/92	01:45	5,155
07/17/92	04:00	1,070
07/17/92	04:05	2,143
07/17/92	04:10	2,446
07/17/92	04:15	2,340
07/17/92	04:20	3,670
07/17/92	04:25	5,536
07/17/92	04:30	5,970
07/17/92	04:35	5,930
07/17/92	04:40	8,176
07/17/92	04:45	9,610
07/17/92	04:50	9,795
07/17/92	04:55	11,497
07/17/92	05:00	10,200
07/17/92	05:05	9,271
07/17/92	05:10	7,353
07/17/92	05:15	8,550
07/17/92	05:20	6,468
07/17/92	05:25	5,817
07/17/92	05:30	4,940
07/17/92	05:35	4,552
07/17/92	05:40	4,257
07/17/92	05:45	3,920
07/17/92	05:50	3,678
07/17/92	05:55	3,369
07/27/92	02:50	3,286
07/27/92	04:45	1,755
08/23/92	12:30	861
08/23/92	12:35	139
08/23/92	12:40	628
08/23/92	12:45	153
08/23/92	12:50	178
08/23/92	12:55	281
08/23/92	13:00	235
08/23/92	13:05	1,116
08/23/92	13:10	1,006
08/23/92	13:15	810
08/23/92	13:20	690
08/23/92	13:25	576
08/23/92	13:30	975
08/23/92	13:35	1,770
08/23/92	13:40	1,989
08/23/92	13:45	1,690
08/23/92	13:50	2,285
08/23/92	13:55	3,340
08/23/92	14:00	3,180
08/23/92	14:05	2,766
08/23/92	14:10	3,332
08/23/92	14:15	6,170
08/23/92	14:20	7,037
08/23/92	14:25	6,281
08/27/92	11:35	154
08/27/92	11:40	150
08/27/92	11:45	353
08/27/92	11:50	619
08/27/92	11:55	1,019
08/27/92	12:00	1,588
08/27/92	12:05	1,780
08/27/92	12:10	2,009
08/27/92	12:15	1,844
08/27/92	12:20	3,010
08/27/92	12:25	6,087
08/27/92	12:30	4,959
08/27/92	12:35	4,060
08/27/92	12:40	3,478
08/27/92	12:45	3,020
08/27/92	12:50	2,210
08/27/92	12:55	2,130
08/27/92	13:00	1,810
08/27/92	13:05	1,380
08/27/92	13:10	1,432
08/27/92	13:15	1,254
08/27/92	13:20	957
08/27/92	13:25	1,052
08/27/92	13:30	982
09/17/92	18:35	95
09/17/92	18:40	104
09/17/92	18:45	135
09/17/92	18:50	158
09/17/92	18:55	325
09/17/92	19:00	453
09/17/92	19:05	1,665
09/17/92	19:10	2,187
09/17/92	19:15	1,730
09/17/92	19:20	2,727
09/17/92	19:25	671
09/17/92	19:30	2,380
09/17/92	19:35	2,666
09/17/92	19:40	2,270
09/17/92	19:45	2,200
09/17/92	19:50	1,465
09/17/92	19:55	1,099
09/17/92	20:00	542
09/17/92	20:05	994
09/17/92	20:10	836
09/17/92	20:20	647
09/17/92	20:25	591
09/21/92	16:40	168
09/21/92	16:45	74
09/21/92	16:50	86
09/21/92	17:45	6,350
09/22/92	02:15	298
09/22/92	02:20	455
09/22/92	02:25	505
09/22/92	02:30	621
09/22/92	02:35	979
09/22/92	02:40	2,395
09/22/92	02:45	2,570
09/22/92	02:50	4,554
09/22/92	02:55	4,328
09/22/92	03:00	3,580
09/22/92	03:05	3,023
09/22/92	03:10	2,656
09/22/92	03:15	2,080
09/22/92	03:20	1,913
09/22/92	03:25	1,707
09/22/92	03:30	1,700
09/22/92	03:35	1,679
09/22/92	03:40	1,552
09/22/92	03:45	1,450
09/22/92	03:50	553
09/22/92	03:55	1,629
09/22/92	04:00	1,240
09/22/92	04:05	1,110
09/22/92	04:10	1,082
09/22/92	04:25	1,016
09/22/92	04:30	977
09/22/92	04:35	924
09/22/92	04:40	915
09/22/92	04:45	879
09/22/92	04:50	835
09/22/92	04:55	830
09/22/92	05:00	828
09/22/92	05:05	724
09/22/92	05:10	774
09/22/92	05:15	742
09/22/92	05:20	680
09/22/92	05:25	705
09/22/92	05:30	687
09/22/92	05:35	631
09/22/92	05:40	639
09/22/92	05:45	607
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	Sediment suspended (mg/L)
09/22/92	05:55	535
09/22/92	06:00	506
09/22/92	06:05	455
09/22/92	06:10	463
09/22/92	06:15	426
09/22/92	06:20	397
09/22/92	06:30	129
09/22/92	06:35	337
09/22/92	06:40	338
09/22/92	06:45	329
09/22/92	06:50	288
09/22/92	06:55	299
09/22/92	07:00	296
09/22/92	07:05	261
09/22/92	07:10	260
09/22/92	07:15	244
09/22/92	07:20	210
09/22/92	07:25	232
09/22/92	07:30	209
09/22/92	07:35	189
09/22/92	07:40	208
09/22/92	07:45	184
09/22/92	07:50	183
09/22/92	07:55	171
09/22/92	08:00	248
09/22/92	08:05	17
09/22/92	08:10	161
09/22/92	08:15	153
09/22/92	08:20	125
09/22/92	08:25	146
09/22/92	08:30	142
09/22/92	08:35	133
10/26/92	09:30	50
10/30/92	06:55	63
10/30/92	07:00	46
10/30/92	07:05	50
10/30/92	07:10	61
10/30/92	07:15	64
10/30/92	07:20	68
10/30/92	07:25	78
10/30/92	07:30	98
10/30/92	07:35	112
10/30/92	07:40	227
10/30/92	07:45	1,328
10/30/92	07:50	1,780
10/30/92	07:55	1,290
10/30/92	08:00	1,815
10/30/92	08:05	1,634
10/30/92	08:10	1,090
10/30/92	08:15	1,255
10/30/92	08:20	1,061
10/30/92	08:25	826
10/30/92	08:30	800
10/30/92	08:35	723
10/30/92	08:40	704
10/30/92	08:45	652
10/30/92	08:50	623
10/30/92	09:25	522
10/30/92	09:30	539
10/30/92	09:35	459
10/30/92	09:40	570
10/30/92	09:45	609
10/30/92	09:50	450
10/30/92	09:55	534
10/30/92	10:00	424
10/30/92	10:05	440
10/30/92	10:10	481
10/30/92	10:15	453
10/30/92	10:20	356
10/30/92	10:25	442
10/30/92	10:30	447
10/30/92	10:35	315
10/30/92	10:40	420
10/30/92	10:45	407
10/30/92	10:50	334
10/30/92	10:55	403
10/30/92	11:00	408
10/30/92	11:05	378
10/30/92	11:10	359
10/30/92	11:15	336
10/30/92	11:25	225
10/30/92	11:30	290
10/30/92	11:35	215
10/30/92	11:40	281
10/30/92	11:45	259
10/30/92	11:50	247
10/30/92	11:55	175
10/30/92	12:00	240
10/30/92	12:05	203
10/30/92	12:10	154
10/30/92	12:15	189
10/30/92	12:20	221
10/30/92	12:25	192
10/30/92	12:30	209
10/30/92	12:35	165
10/30/92	12:40	767
10/30/92	12:45	170
10/30/92	12:50	168
10/30/92	12:55	170
10/30/92	13:00	194
10/30/92	13:05	181
10/30/92	13:10	192
10/30/92	13:15	180
10/30/92	13:50	134
10/30/92	13:55	144
10/30/92	14:00	127
10/30/92	14:05	153
10/30/92	14:10	132
10/30/92	14:15	133
10/30/92	14:20	131
10/30/92	14:25	105
10/30/92	14:30	90
10/30/92	14:35	107
10/30/92	14:40	88
10/30/92	14:45	110
10/30/92	14:50	106
10/30/92	14:55	99
10/30/92	15:00	102
10/30/92	15:05	100
10/30/92	15:10	95
10/30/92	15:15	103
10/30/92	15:20	99
10/30/92	15:25	85
10/30/92	15:30	82
10/31/92	11:55	38
11/01/92	12:45	107
11/01/92	13:15	152
11/03/92	21:40	75
11/03/92	21:45	75
11/03/92	21:55	90
11/03/92	22:00	133
11/03/92	22:05	286
11/03/92	22:10	321
11/03/92	22:15	364
11/03/92	22:20	281
11/03/92	22:25	296
11/03/92	22:30	310
11/03/92	22:35	491
11/03/92	22:40	475
11/03/92	22:45	591
11/03/92	22:50	638
11/03/92	22:55	624
11/03/92	23:00	593
11/03/92	23:05	595
11/03/92	23:10	574
11/03/92	23:15	490
11/03/92	23:20	432
11/03/92	23:25	461
11/03/92	23:30	444
11/03/92	23:35	419
11/12/92	07:00	50
11/12/92	07:05	46
11/12/92	07:10	49
11/12/92	07:15	46
11/12/92	07:20	62
11/12/92	07:25	68
11/12/92	07:30	76
11/12/92	07:35	90
11/12/92	07:40	122
11/12/92	07:45	144
11/12/92	07:50	129
11/12/92	07:55	292
11/12/92	08:00	706
11/12/92	08:05	890
11/12/92	08:10	672
11/12/92	08:15	374
11/12/92	08:20	344
11/12/92	08:25	329
11/12/92	08:30	462
11/12/92	08:35	313
11/12/92	08:40	698
11/12/92	08:45	784
11/12/92	08:50	806
11/12/92	08:55	733
11/12/92	09:05	702
11/12/92	09:10	776
11/12/92	09:15	798
11/12/92	09:20	921
11/12/92	09:25	988
11/12/92	09:30	1,083
11/12/92	09:35	1,172
11/12/92	09:40	1,228
11/12/92	09:45	1,291
11/12/92	09:50	1,508
11/12/92	09:55	1,434
11/12/92	10:00	1,508
11/12/92	10:05	1,593
11/12/92	10:10	1,592
11/12/92	10:15	1,555
11/12/92	10:20	1,595
11/12/92	10:25	1,542
11/20/92	17:25	40
11/20/92	17:30	42
11/20/92	17:35	36
11/20/92	17:40	37
11/20/92	17:45	50
11/20/92	17:50	49
11/20/92	17:55	98
11/20/92	19:55	233
11/20/92	20:00	428
11/20/92	20:05	271
11/20/92	20:10	475
11/20/92	20:15	593
11/20/92	20:20	631
11/20/92	20:25	632
11/20/92	20:30	669
11/20/92	20:35	636
11/20/92	20:40	671
11/20/92	20:45	641
11/20/92	20:50	664
11/20/92	20:55	605
11/20/92	21:00	679
11/20/92	21:05	512
11/20/92	21:10	656
11/20/92	21:15	720
11/20/92	21:20	659
11/20/92	21:25	395
11/20/92	21:30	682
11/20/92	21:35	520
11/20/92	21:40	664
11/20/92	21:45	643
11/20/92	21:50	696
11/22/92	03:35	195
11/22/92	03:40	210
11/22/92	03:45	227
11/22/92	03:50	541
11/22/92	03:55	1,175
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	Sediment suspended (mg/L)
11/22/92	04:05	4,645
11/22/92	04:10	4,348
11/22/92	04:15	4,960
11/22/92	04:20	6,477
11/22/92	04:25	6,940
11/22/92	04:30	6,792
11/22/92	04:35	6,651
11/22/92	04:40	6,122
11/22/92	04:45	5,561
11/22/92	04:50	4,855
11/22/92	04:55	4,194
11/22/92	05:00	3,954
11/22/92	05:05	3,679
11/22/92	05:10	3,424
11/22/92	05:15	2,945
11/22/92	05:20	2,640
11/22/92	05:25	2,869
11/22/92	05:30	2,772
11/22/92	12:10	92
11/22/92	15:10	137
12/09/92	13:55	96
12/09/92	14:00	73
12/09/92	14:05	157
12/09/92	14:10	301
12/09/92	14:20	592
12/09/92	14:25	1,174
12/09/92	14:30	817
12/09/92	14:35	1,421
12/09/92	14:40	1,736
12/09/92	14:45	1,818
12/09/92	14:50	1,839
12/09/92	14:55	1,792
12/09/92	15:00	1,753
12/09/92	15:05	1,745
12/09/92	15:10	1,648
12/09/92	15:15	1,436
12/09/92	15:20	1,680
12/09/92	15:25	1,475
12/09/92	15:30	1,374
12/09/92	15:35	1,377
12/09/92	15:40	1,312
12/09/92	15:45	1,260
12/09/92	15:50	1,187
12/09/92	16:05	1,379
12/09/92	16:10	961
12/09/92	16:15	812
12/09/92	16:20	878
12/09/92	16:25	866
12/09/92	16:30	795
12/09/92	16:35	706
12/09/92	16:40	673
12/09/92	16:45	683
12/09/92	16:50	524
12/09/92	16:55	595
12/09/92	17:00	590
12/09/92	17:05	517
12/09/92	17:10	543
12/09/92	17:15	563
12/09/92	17:20	561
12/09/92	17:25	566
12/09/92	17:30	574
12/09/92	17:35	548
12/09/92	17:40	572
12/09/92	17:45	603
12/09/92	17:50	555
12/09/92	17:55	511
12/09/92	18:00	517
12/09/92	19:15	88
12/09/92	19:20	160
12/09/92	19:25	150
12/09/92	19:30	124
12/09/92	19:35	111
12/09/92	19:40	110
12/09/92	19:45	116
12/09/92	19:50	103
12/09/92	20:05	178
12/09/92	20:10	432
12/09/92	20:15	413
12/09/92	20:20	380
12/09/92	20:25	309
12/09/92	20:30	361
12/09/92	20:35	295
12/09/92	20:40	282
12/09/92	20:45	257
12/09/92	20:50	351
12/09/92	20:55	310
12/09/92	21:00	212
12/09/92	21:05	248
12/09/92	21:10	227
12/09/92	21:15	357
12/09/92	21:20	451
12/09/92	21:25	314
12/09/92	21:30	488
12/09/92	21:35	338
12/09/92	21:40	255
12/09/92	21:45	239
12/09/92	21:50	311
12/09/92	21:55	142
12/09/92	22:00	165
12/09/92	22:05	152
12/09/92	23:50	347
12/09/92	23:55	290
12/10/92	00:00	228
12/10/92	00:05	317
12/10/92	00:10	389
12/10/92	00:15	396
12/10/92	00:20	329
02/11/93	04:50	315
02/11/93	04:55	294
02/11/93	05:00	175
02/11/93	05:05	203
02/11/93	05:10	162
02/11/93	05:15	88
02/11/93	05:20	108
02/11/93	05:25	112
02/11/93	05:30	133
02/11/93	05:35	81
02/11/93	05:40	143
02/11/93	05:45	157
02/11/93	05:50	87
02/11/93	05:55	130
02/11/93	06:00	172
02/11/93	06:05	169
02/11/93	06:10	183
02/11/93	06:15	174
02/11/93	06:20	153
02/11/93	06:25	143
02/11/93	06:30	182
02/11/93	06:35	183
02/11/93	06:40	186
02/11/93	06:45	222
02/21/93	07:40	1,361
02/21/93	07:45	1,265
02/21/93	07:50	1,196
02/21/93	07:55	1,088
02/21/93	08:00	1,017
02/21/93	08:05	979
02/21/93	08:10	925
02/21/93	08:15	847
02/21/93	08:20	803
02/21/93	08:25	538
02/21/93	08:30	752
02/21/93	08:35	582
02/21/93	08:40	695
02/21/93	08:45	599
02/21/93	08:50	604
02/21/93	08:55	541
02/21/93	09:00	506
02/21/93	09:05	555
02/21/93	09:10	511
02/21/93	09:15	497
02/21/93	09:25	393
02/21/93	09:55	329
02/21/93	10:30	268
02/21/93	19:20	519
02/21/93	19:25	464
02/21/93	19:30	492
02/21/93	19:35	453
04/09/93	03:45	137
04/09/93	03:50	149
04/09/93	03:55	154
04/09/93	04:00	166
04/09/93	04:05	207
04/09/93	04:10	227
04/09/93	04:15	233
04/09/93	04:20	276
04/09/93	04:25	367
04/09/93	04:30	518
04/09/93	04:35	845
04/09/93	04:40	1,145
04/09/93	04:45	1,381
04/09/93	04:50	1,429
04/09/93	04:55	1,433
04/09/93	05:00	1,460
04/09/93	05:05	1,523
04/09/93	05:10	1,721
04/09/93	05:15	1,898
04/09/93	05:20	1,972
04/09/93	05:25	2,075
04/09/93	05:30	2,115
04/09/93	05:35	2,187
04/09/93	05:40	2,355
04/09/93	10:50	692
04/09/93	10:55	266
04/09/93	11:00	260
04/09/93	11:05	243
04/09/93	11:10	248
04/09/93	11:15	241
04/09/93	11:20	231
04/09/93	11:25	188
04/09/93	11:30	217
04/09/93	11:35	161
04/09/93	11:40	214
04/09/93	11:45	219
04/09/93	11:50	216
04/09/93	11:55	210
04/09/93	12:00	178
04/09/93	12:05	217
04/09/93	12:10	217
04/09/93	12:15	217
04/09/93	12:20	189
04/09/93	12:25	174
04/09/93	12:30	205
04/09/93	12:35	146
04/09/93	12:40	200
04/09/93	12:45	211
04/09/93	13:10	193
04/09/93	13:15	150
04/09/93	13:25	173
04/09/93	13:30	142
04/09/93	13:35	166
04/09/93	13:40	151
04/09/93	13:45	160
04/09/93	13:50	157
04/09/93	13:55	153
04/09/93	14:00	153
04/09/93	14:05	138
04/09/93	14:10	153
04/09/93	14:15	157
04/09/93	14:20	149
04/09/93	14:25	127
04/09/93	14:30	142
04/09/93	14:35	147
04/09/93	14:40	129
04/09/93	14:45	143
04/09/93	14:50	135
04/09/93	14:55	150
04/09/93	15:00	150
04/09/93	15:05	153
04/13/93	13:30	32

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	Sediment suspended (mg/L)
04/14/93	21:50	3,830
04/14/93	21:55	1,534
04/14/93	22:00	1,014
04/14/93	22:05	3,275
04/14/93	22:10	3,721
04/14/93	22:15	3,081
04/14/93	22:20	2,548
04/14/93	22:25	2,213
04/14/93	22:30	1,915
04/14/93	22:35	1,589
04/14/93	22:40	1,278
04/14/93	22:45	1,201
04/14/93	22:50	987
04/14/93	22:55	845
04/14/93	23:00	718
04/14/93	23:05	717
04/14/93	23:10	606
04/14/93	23:15	581
04/14/93	23:20	536
04/14/93	23:25	517
04/14/93	23:30	513
04/14/93	23:35	473
04/14/93	23:40	472
04/14/93	23:45	460
04/14/93	23:50	431
04/14/93	23:55	411
04/15/93	00:00	399
04/15/93	00:05	1,399
04/15/93	00:10	367
04/15/93	00:15	361
04/15/93	00:20	347
04/15/93	00:25	334
04/15/93	00:30	333
04/15/93	00:35	406
04/15/93	00:40	523
04/15/93	00:45	631
04/15/93	00:50	736
04/15/93	00:55	823
04/15/93	01:00	822
04/15/93	01:05	761
04/15/93	01:10	769
04/15/93	01:15	647
04/15/93	01:20	600
04/15/93	01:25	537
04/15/93	01:30	489
04/15/93	01:35	478
04/15/93	01:40	427
04/15/93	01:45	415
04/15/93	01:55	386
04/15/93	02:00	353
04/15/93	02:05	342
04/15/93	02:10	339
04/15/93	02:15	331
04/15/93	02:20	317
04/15/93	02:25	316
04/15/93	02:30	333
04/15/93	02:35	299
04/15/93	02:40	309
04/15/93	02:45	290
04/15/93	02:50	254
04/15/93	02:55	301
04/15/93	03:00	252
04/15/93	03:05	287
04/15/93	03:10	292
04/15/93	03:15	261
04/15/93	03:20	282
04/15/93	03:25	300
04/15/93	03:30	291
04/15/93	03:35	296
04/15/93	03:40	303
04/15/93	03:45	295
04/15/93	03:50	250
04/15/93	03:55	238
04/15/93	04:00	266
04/15/93	04:05	254
04/15/93	04:10	270
04/15/93	04:15	236
04/15/93	04:20	179
04/15/93	04:25	221
04/15/93	04:30	236
04/15/93	04:35	228
04/15/93	04:40	208
04/15/93	04:45	216
04/15/93	04:50	177
04/15/93	04:55	169
04/15/93	05:00	199
04/15/93	05:05	170
04/15/93	05:10	191
04/15/93	05:15	201
04/15/93	05:20	203
04/15/93	05:25	192
04/15/93	05:30	145
04/19/93	10:25	27
04/21/93	10:50	23
04/28/93	14:25	26
05/18/93	18:50	187
05/18/93	18:55	579
05/18/93	19:00	506
05/18/93	19:05	950
05/18/93	19:10	1,332
05/18/93	19:15	1,741
05/18/93	19:20	1,810
05/18/93	19:25	1,588
05/18/93	19:30	1,429
05/18/93	19:35	1,207
05/18/93	19:40	1,101
05/18/93	19:45	984
05/18/93	19:55	882
05/18/93	20:10	523
05/18/93	20:15	180
05/18/93	20:25	152
05/28/93	16:15	876
05/28/93	16:20	779
05/28/93	16:25	377
05/28/93	16:30	324
05/28/93	16:35	484
05/28/93	16:40	1,769
05/28/93	16:45	5,732
05/28/93	16:50	6,378
05/28/93	16:55	5,893
05/28/93	17:00	5,064
05/28/93	17:05	3,894
05/28/93	17:10	2,922
05/28/93	17:15	2,259
05/28/93	17:20	1,740
05/28/93	17:25	1,369
05/28/93	17:30	1,155
05/28/93	17:35	1,017
05/28/93	17:40	899
05/28/93	17:45	843
05/28/93	17:50	737
05/28/93	17:55	712
05/28/93	18:00	641
05/28/93	18:05	588
05/28/93	18:10	543
05/28/93	18:15	519
05/28/93	18:20	479
05/28/93	18:25	470
05/28/93	18:30	415
05/28/93	18:35	410
05/28/93	18:40	397
05/28/93	18:45	370
05/28/93	18:50	347
05/28/93	18:55	338
05/28/93	19:00	302
05/28/93	19:05	305
05/28/93	19:10	314
05/28/93	19:15	299
05/28/93	19:20	264
05/28/93	19:25	272
05/28/93	19:30	270
05/28/93	21:00	126
07/22/93	17:20	345
07/22/93	17:25	641
07/22/93	17:30	202
07/22/93	17:35	154
07/22/93	17:40	130
07/22/93	17:45	176
07/22/93	17:50	1,607
07/22/93	17:55	2,666
07/22/93	18:00	3,139
07/22/93	18:05	3,160
07/22/93	18:10	2,922
07/22/93	18:15	2,538
07/22/93	18:20	1,862
07/22/93	18:25	1,678
07/22/93	18:30	1,388
07/22/93	18:35	1,129
07/22/93	18:40	942
07/22/93	18:45	856
07/22/93	18:50	757
07/22/93	18:55	708
07/22/93	19:00	605
07/22/93	19:05	550
07/22/93	19:10	509
07/22/93	19:15	459
08/02/93	01:05	353
08/02/93	01:10	863
08/02/93	01:15	720
08/02/93	01:20	502
08/02/93	01:25	1,217
08/02/93	01:30	3,941
08/02/93	01:35	4,303
08/02/93	01:40	3,651
08/02/93	01:45	2,710
08/02/93	01:50	2,358
08/02/93	01:55	2,170
08/02/93	02:00	1,926
08/02/93	02:05	1,655
08/02/93	02:10	1,603
08/02/93	02:15	1,428
08/02/93	02:20	1,294
08/02/93	02:25	1,196
08/02/93	02:30	1,016
08/02/93	02:35	900
08/02/93	02:40	859
08/02/93	02:45	718
08/02/93	02:50	655
08/02/93	02:55	589
08/02/93	03:00	536
08/02/93	04:15	225
08/02/93	04:20	195
08/02/93	04:25	194
08/02/93	04:30	192
08/02/93	04:35	168
08/02/93	04:40	165
08/02/93	04:45	152
08/02/93	04:50	146
08/02/93	04:55	149
08/02/93	05:00	134
08/02/93	05:05	133
08/02/93	05:10	134
08/02/93	05:15	123
08/02/93	05:20	110
08/02/93	05:25	113
08/02/93	05:30	110
08/02/93	05:35	110
08/02/93	05:40	110
08/02/93	05:45	91
08/05/93	19:15	712
08/05/93	19:20	613
08/05/93	19:25	421
08/05/93	19:30	1,685
08/05/93	19:35	4,818
08/05/93	19:40	3,757
08/05/93	19:45	2,842
08/05/93	19:50	2,185
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	Sediment suspended (mg/L)
08/05/93	20:00	1,499
08/05/93	20:05	1,233
08/05/93	20:10	1,045
08/05/93	20:15	903
08/05/93	20:20	799
08/05/93	20:25	722
08/05/93	20:30	629
08/05/93	20:35	595
08/05/93	20:40	551
08/05/93	20:45	505
08/05/93	20:50	456
08/05/93	20:55	425
08/05/93	21:00	391
08/05/93	21:05	348
08/05/93	21:10	332
08/05/93	21:40	232
08/05/93	21:45	203
08/05/93	21:50	185
08/05/93	21:55	190
08/05/93	22:00	173
08/05/93	22:05	165
08/05/93	22:10	167
08/05/93	22:15	133
08/05/93	22:20	153
08/05/93	22:25	153
08/05/93	22:30	155
08/05/93	22:35	131
08/05/93	22:40	108
08/05/93	22:45	147
08/05/93	22:50	148
08/05/93	22:55	150
08/05/93	23:00	146
08/05/93	23:05	155
08/05/93	23:10	121
08/05/93	23:15	148
08/05/93	23:20	149
08/05/93	23:25	159
08/05/93	23:30	156
08/05/93	23:35	131
09/24/93	20:25	523
09/24/93	20:30	606
09/24/93	20:35	295
09/24/93	20:40	179
09/24/93	20:45	148
09/24/93	20:55	1,821
09/24/93	21:00	1,993
09/24/93	21:05	1,804
09/24/93	21:10	1,277
09/24/93	21:15	1,113
09/24/93	21:30	624
09/24/93	21:35	496
09/24/93	21:40	436
09/24/93	21:45	381
09/24/93	21:50	354
09/24/93	21:55	329
09/24/93	22:00	302
09/24/93	22:05	284
09/24/93	22:10	267
09/24/93	22:15	245
09/24/93	22:20	222
09/24/93	22:30	185
09/24/93	22:35	159
09/24/93	22:40	151
09/24/93	22:45	136
09/24/93	22:50	138
09/24/93	22:55	147
09/24/93	23:00	129
09/24/93	23:05	109
09/24/93	23:10	111
09/24/93	23:15	94
09/24/93	23:20	111
09/24/93	23:25	85
09/24/93	23:30	93
09/24/93	23:35	80
09/24/93	23:40	77
09/24/93	23:45	78
09/24/93	23:50	78
09/24/93	23:55	61
09/25/93	00:00	65
09/25/93	00:05	61
09/25/93	00:15	71
09/25/93	00:20	74
09/25/93	00:25	73
09/25/93	16:45	364
09/25/93	16:50	395
09/25/93	16:55	343
09/25/93	17:00	383
09/25/93	17:05	432
09/25/93	17:10	479
09/25/93	17:15	498
09/25/93	17:20	341
09/25/93	17:25	517
09/25/93	17:30	519
09/25/93	17:35	490
09/25/93	17:40	458
09/25/93	17:45	432
09/25/93	17:50	316
09/25/93	17:55	407
09/25/93	18:00	380
09/25/93	18:05	341
09/25/93	18:10	345
09/25/93	18:15	303
09/25/93	18:20	306
10/19/93	12:35	461
10/19/93	12:40	693
10/19/93	12:45	194
10/19/93	12:50	312
10/19/93	12:55	69
10/19/93	13:00	405
10/19/93	13:05	391
10/19/93	13:10	389
10/19/93	13:15	408
10/19/93	13:20	418
10/19/93	13:25	426
10/19/93	13:30	434
10/19/93	13:35	421
10/19/93	13:40	393
10/19/93	13:45	350
10/19/93	13:50	326
10/19/93	13:55	306
10/19/93	14:00	293
10/19/93	14:05	264
10/19/93	14:10	258
10/19/93	14:15	247
10/19/93	14:20	235
10/19/93	14:25	231
10/19/93	14:30	223
10/19/93	14:45	195
10/19/93	14:50	190
10/19/93	14:55	188
10/19/93	15:00	172
10/19/93	15:05	168
10/19/93	15:10	158
10/19/93	15:15	148
10/19/93	15:20	146
10/19/93	15:25	141
10/19/93	15:30	138
11/14/93	13:35	306
11/14/93	13:40	163
11/14/93	13:45	157
11/14/93	13:50	159
11/14/93	13:55	156
11/14/93	14:00	183
11/14/93	14:05	545
11/14/93	14:10	525
11/14/93	14:15	633
11/14/93	14:20	733
11/14/93	14:25	725
11/14/93	14:30	719
11/14/93	14:35	610
11/14/93	14:40	528
11/14/93	14:45	431
11/14/93	14:50	367
11/14/93	14:55	299
11/14/93	15:00	262
11/14/93	15:05	230
11/14/93	15:10	198
11/14/93	15:15	190
11/14/93	15:20	165
11/14/93	15:25	163
11/14/93	15:30	145
11/14/93	16:15	117
11/14/93	16:20	110
11/14/93	16:25	119
11/14/93	16:30	115
11/14/93	16:35	124
11/14/93	16:40	121
11/14/93	16:45	133
11/14/93	16:50	126
11/14/93	16:55	130
11/14/93	17:00	131
11/14/93	17:05	134
11/14/93	17:10	135
11/14/93	17:15	136
11/14/93	17:20	137
11/14/93	17:25	133
11/14/93	17:30	131
11/14/93	17:35	129
11/14/93	17:40	122
11/14/93	17:45	118
11/14/93	17:50	107
11/14/93	17:55	103
11/14/93	18:00	102
11/14/93	18:05	97
11/14/93	18:10	88
11/14/93	18:15	83
11/14/93	18:20	84
11/14/93	18:25	87
11/14/93	18:30	79
11/14/93	18:35	76
11/14/93	18:40	73
11/14/93	18:45	67
11/14/93	18:50	73
11/14/93	18:55	63
11/14/93	19:00	56
11/14/93	19:05	59
11/14/93	19:10	59
11/14/93	19:20	60
11/14/93	19:25	53
11/14/93	19:30	54
11/14/93	19:35	54
11/14/93	19:40	56
11/14/93	19:45	55
11/14/93	19:50	58
11/14/93	19:55	52
11/14/93	20:00	48
11/14/93	20:15	47
11/14/93	20:20	46
11/14/93	20:25	46
11/14/93	20:30	47
11/14/93	20:35	46
11/14/93	20:40	49
11/14/93	20:45	47
11/14/93	20:50	44
11/14/93	20:55	45
11/14/93	21:00	46
11/14/93	21:05	43
11/14/93	21:10	46
11/14/93	21:15	45
11/14/93	21:20	46
11/14/93	21:25	45
11/14/93	21:30	45
11/14/93	21:35	45
11/14/93	21:40	48
11/14/93	21:45	42
11/14/93	21:50	48
11/14/93	21:55	45
11/14/93	22:00	46
11/14/93	22:05	45
11/14/93	22:10	45
11/16/93	15:40	90
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	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (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

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)
04/27/90	19:15	1,348
04/27/90	19:45	1,964
04/27/90	20:15	1,202
05/02/90	09:00	636
05/19/90	17:50	3,895
05/19/90	18:05	12,146
05/19/90	18:35	800
06/09/90	15:25	10,285
06/09/90	15:40	7,228
06/14/90	13:15	17,625
06/14/90	13:20	13,888
06/14/90	13:25	9,410
06/14/90	13:40	31,932
06/14/90	13:55	25,939
06/22/90	02:00	11,404
06/22/90	02:10	11,892
06/22/90	02:30	11,622
06/22/90	07:40	191
06/22/90	14:25	17,625
06/22/90	14:30	13,888
06/22/90	14:35	9,410
06/22/90	14:50	31,932
06/22/90	15:05	25,939
07/11/90	21:55	21,082
07/11/90	22:00	17,244
07/11/90	22:15	10,455
07/11/90	22:30	8,296
10/03/90	19:40	7,411
10/03/90	19:45	18,733
10/03/90	19:50	19,887
10/03/90	20:05	13,637
10/03/90	20:20	7,312
10/03/90	20:35	4,086
10/04/90	01:20	8,474
10/04/90	01:25	35,806
10/04/90	01:30	24,214
10/04/90	01:45	16,255
10/04/90	02:00	11,998
10/04/90	02:15	8,847
10/04/90	13:15	17,625
10/04/90	13:20	13,888
10/04/90	13:25	9,410
10/04/90	13:40	31,932
10/04/90	13:55	25,939
01/06/91	00:15	4,851
01/06/91	00:25	9,552
01/06/91	00:45	6,823
01/06/91	01:30	2,224
01/06/91	02:00	1,241
01/06/91	03:00	8,803
01/06/91	04:00	7,547
01/06/91	05:00	5,800
01/06/91	06:00	1,567
01/06/91	14:45	15,781
01/06/91	14:50	2,018
01/06/91	15:05	1,402
01/06/91	16:40	834
01/06/91	16:55	1,258
01/06/91	17:10	1,727
01/06/91	17:40	4,787
01/06/91	18:10	57,586
01/07/91	12:00	194
02/05/91	17:30	35,537
02/05/91	18:00	4,713
02/05/91	18:30	10,906
03/27/91	13:00	22,104
03/27/91	13:05	20,623
03/27/91	13:15	11,636
03/27/91	13:35	5,378
03/28/91	19:55	2,656
03/28/91	20:00	7,510
03/28/91	20:05	7,030
03/28/91	20:10	8,203
03/28/91	20:20	10,293
03/28/91	20:30	6,530
03/28/91	20:45	6,155
03/28/91	21:00	4,300
03/28/91	21:30	1,842
03/28/91	22:00	2,155
03/28/91	23:00	1,737
03/28/91	24:00	777
03/29/91	10:30	348
03/29/91	11:20	610
03/29/91	11:25	12,567
03/29/91	11:45	2,512
03/29/91	12:25	1,123
03/29/91	12:55	1,447
03/29/91	13:25	1,364
03/29/91	14:25	1,508
03/29/91	15:25	710
04/27/91	05:25	158
04/27/91	05:30	859
04/27/91	05:40	661
04/27/91	06:10	324
04/27/91	06:40	384
04/27/91	07:40	378
04/27/91	08:40	1,089
04/27/91	09:40	431
04/27/91	10:40	426
04/27/91	11:40	559
04/27/91	12:40	294
04/27/91	15:40	95
04/27/91	18:40	48
04/27/91	21:40	718
04/28/91	01:40	1,150
05/25/91	09:00	3,014
05/25/91	09:05	2,612
05/25/91	09:10	2,469
05/25/91	09:15	1,507
05/25/91	09:25	1,161
05/25/91	09:40	818
05/25/91	09:55	540
05/25/91	10:10	624
05/25/91	10:25	617
05/25/91	10:40	637
05/25/91	10:55	787
05/25/91	11:05	976
05/25/91	13:00	20
05/25/91	13:40	169
06/12/91	15:35	1,714
06/12/91	15:40	7,732
06/12/91	15:45	8,582
06/12/91	15:50	4,926
06/12/91	16:00	4,214
06/12/91	16:15	3,648
06/12/91	16:30	4,378
06/12/91	16:45	3,380
06/23/91	20:30	3,281
06/23/91	20:45	10,418
06/23/91	21:00	9,197
06/23/91	22:15	1,171
07/03/91	18:10	13,667
07/03/91	18:15	63,489
07/03/91	18:20	48,244
07/03/91	18:25	28,411
07/03/91	18:30	23,414
07/03/91	18:35	26,269
07/03/91	18:40	27,921
07/03/91	18:55	15,874
07/03/91	19:10	9,080
07/03/91	19:25	5,916
07/24/91	21:55	18,655
07/24/91	22:00	14,585
07/24/91	22:05	10,541
07/24/91	22:10	9,416
07/24/91	22:15	9,701
07/24/91	22:20	9,978
07/24/91	22:35	7,404
07/24/91	22:50	5,396
07/24/91	23:05	3,953
07/24/91	23:20	2,770
07/24/91	24:00	1,231
08/09/91	03:25	14,201
08/09/91	03:30	13,646
08/09/91	03:35	9,869
08/09/91	03:40	7,386
08/09/91	03:45	6,906
08/09/91	03:50	6,973
08/09/91	04:05	5,571
08/09/91	04:20	4,471
08/09/91	04:35	3,313
08/09/91	04:50	2,425
08/17/91	15:15	10,610
08/17/91	15:20	11,361
08/17/91	15:25	7,896
08/17/91	15:30	8,171
08/17/91	15:35	5,923
08/17/91	15:40	5,261
08/17/91	15:55	4,125
08/17/91	16:10	2,782
08/17/91	16:25	2,149
08/27/91	13:15	4,862
08/27/91	13:20	5,885
08/27/91	13:25	5,889
08/27/91	13:30	3,730
08/27/91	13:35	
08/27/91	13:40	2,917
08/27/91	13:55	2,205
08/27/91	14:10	1,684
08/27/91	14:20	1,240
08/27/91	14:25	1,230
08/27/91	14:50	2,980
08/27/91	15:05	678
08/28/91	12:05	1,861
08/28/91	12:10	3,711
08/28/91	12:15	4,004
08/28/91	12:20	2,794
08/28/91	12:25	2,845
08/28/91	12:30	2,571
08/28/91	12:45	2,196
08/28/91	13:00	1,222
08/28/91	13:15	946
08/28/91	13:30	716
11/01/91	01:25	1,090
11/01/91	01:30	1,008
11/01/91	01:40	789
11/01/91	01:45	553
11/01/91	02:00	434
11/01/91	02:30	224
11/01/91	03:00	134
11/01/91	09:00	68
02/05/91	01:55	22,424
02/05/91	02:05	40,521
02/05/91	02:10	27,765
02/05/91	02:40	6,661
02/05/91	03:10	7,120
02/05/91	03:40	11,930
02/05/91	05:40	10,169
02/05/91	06:40	10,594

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)
02/05/91	13:30	787
02/05/91	14:00	1,335
02/05/91	14:30	3,150
02/05/91	16:30	19,376
11/19/91	21:55	2,540
11/19/91	22:00	2,990
11/19/91	22:05	2,870
11/19/91	22:15	1,864
11/19/91	22:25	2,440
11/19/91	22:45	943
11/19/91	23:00	712
11/19/91	23:15	692
11/19/91	23:30	585
11/19/91	23:45	487
11/19/91	24:00	429
11/20/91	00:15	375
11/20/91	00:30	378
11/20/91	00:45	325
11/20/91	01:00	281
11/20/91	01:15	261
11/20/91	01:30	248
11/20/91	01:45	237
11/20/91	02:00	227
11/20/91	02:15	212
11/20/91	02:30	209
11/20/91	02:45	225
11/20/91	03:00	232
11/20/91	03:15	191
11/20/91	03:30	154
03/18/92	02:55	946
03/18/92	03:00	185
03/18/92	05:40	2,044
03/18/92	10:05	170
03/18/92	10:10	696
03/18/92	10:15	501
03/18/92	10:20	518
03/18/92	10:25	505
03/18/92	10:30	430
03/18/92	10:35	429
03/18/92	10:40	410
03/18/92	10:45	301
03/18/92	10:50	337
03/18/92	10:55	316
03/18/92	11:45	219
03/18/92	11:50	229
03/18/92	11:55	195
03/18/92	12:00	195
03/18/92	12:05	196
03/18/92	12:15	471
03/18/92	12:20	166
03/18/92	12:25	185
03/18/92	12:30	167
03/18/92	12:35	152
04/20/92	05:50	112
04/20/92	05:55	2,218
04/20/92	06:05	2,074
04/20/92	06:10	1,838
04/20/92	06:15	1,740
04/20/92	06:20	1,322
04/20/92	06:25	1,295
04/20/92	06:30	1,190
04/20/92	06:35	1,074
04/20/92	06:40	884
04/20/92	06:45	718
04/20/92	07:05	548
04/20/92	07:10	449
04/20/92	07:15	412
04/20/92	07:20	368
04/20/92	07:25	353
04/20/92	07:30	339
04/20/92	07:40	284
04/20/92	07:45	265
04/20/92	12:25	120
06/03/92	04:20	3,470
06/03/92	04:25	2,718
06/03/92	04:30	1,562
06/03/92	04:35	1,640
06/03/92	04:40	2,196
06/03/92	04:45	1,739
06/03/92	04:50	1,310
06/03/92	04:55	1,048
06/03/92	05:00	855
06/03/92	05:05	675
06/03/92	05:10	578
06/03/92	05:15	513
06/03/92	06:00	227
06/03/92	06:05	254
06/03/92	06:10	275
06/03/92	06:15	256
06/03/92	06:20	301
06/03/92	06:25	345
06/03/92	06:30	374
06/03/92	06:35	347
06/03/92	06:40	312
06/03/92	06:45	325
06/03/92	06:50	363
06/03/92	06:55	362
06/03/92	07:10	393
06/03/92	07:15	425
06/03/92	07:20	487
06/03/92	07:25	521
06/03/92	07:30	541
06/03/92	07:35	543
06/03/92	07:40	519
06/03/92	07:45	514
06/03/92	07:50	481
06/03/92	07:55	436
06/03/92	08:00	398
06/03/92	08:15	307
06/03/92	08:20	284
06/03/92	08:25	254
06/03/92	08:30	237
06/03/92	08:35	219
06/03/92	08:40	210
06/03/92	08:50	190
06/03/92	08:55	180
06/03/92	09:05	155
06/03/92	09:10	147
06/26/92	01:15	2,230
06/26/92	01:20	1,849
06/26/92	01:25	1,354
06/26/92	01:50	504
06/26/92	01:55	1,126
06/26/92	02:00	2,259
06/26/92	02:25	2,560
06/26/92	02:30	2,878
06/26/92	02:55	7,991
06/26/92	03:00	6,628
06/26/92	03:05	5,129
06/26/92	03:10	3,680
06/26/92	03:15	3,387
06/26/92	03:20	3,132
06/26/92	03:25	5,210
06/26/92	03:30	3,493
06/26/92	03:35	2,808
06/26/92	03:40	2,330
06/26/92	03:45	2,139
06/26/92	03:50	2,095
06/26/92	03:55	1,700
06/26/92	04:00	1,894
06/26/92	04:05	1,809
06/26/92	04:15	1,771
06/26/92	04:20	1,772
06/26/92	04:25	1,110
06/26/92	04:30	1,614
06/26/92	04:50	1,179
07/17/92	03:35	6,590
07/17/92	03:40	9,160
07/17/92	03:45	7,295
07/17/92	03:50	8,900
07/17/92	03:55	7,326
07/17/92	04:00	5,975
07/17/92	04:05	4,670
07/17/92	04:10	4,131
07/17/92	04:15	4,055
07/17/92	04:20	3,750
07/17/92	04:25	3,590
07/17/92	04:30	3,297
07/27/92	00:10	15,200
07/27/92	00:15	11,588
07/27/92	00:20	7,896
07/27/92	00:25	5,250
07/27/92	00:30	14,435
07/27/92	00:35	3,564
07/27/92	00:40	2,930
07/27/92	00:45	2,710
07/27/92	00:50	2,749
07/27/92	00:55	2,400
07/27/92	01:00	2,290
09/21/92	15:20	1,600
09/21/92	15:25	3,755
09/21/92	15:30	2,592
09/21/92	15:35	1,480
09/21/92	15:40	1,393
09/21/92	15:45	1,029
09/21/92	15:50	654
09/21/92	15:55	737
09/21/92	16:00	842
09/21/92	16:05	746
09/21/92	16:10	794
09/21/92	16:15	683
09/21/92	17:00	317
09/21/92	17:05	336
09/21/92	17:10	293
09/21/92	17:15	292
09/21/92	17:20	182
09/21/92	17:25	260
09/21/92	17:30	284
09/21/92	17:40	231
09/21/92	17:45	215
09/21/92	17:50	181
09/21/92	17:55	256
09/21/92	18:25	146
09/22/92	02:40	255
09/22/92	02:45	311
09/22/92	02:50	338
09/22/92	02:55	369
09/22/92	03:00	385
09/22/92	03:05	614
09/22/92	03:10	776
09/22/92	03:15	670
09/22/92	03:20	718
09/22/92	03:25	2,810
09/22/92	03:30	698
09/22/92	03:35	916
09/22/92	03:40	1,280
09/22/92	03:45	2,370
09/22/92	03:50	3,424
09/22/92	03:55	1,980
09/22/92	04:00	1,633
09/22/92	04:05	1,338
09/22/92	04:10	4,520
09/22/92	04:15	1,185
09/22/92	04:20	1,040
09/22/92	04:25	868
09/22/92	04:30	837
09/22/92	04:40	598
09/22/92	04:45	570
09/22/92	04:50	565
09/22/92	04:55	499
09/22/92	05:00	529
09/22/92	05:05	1,133
09/22/92	05:10	439
09/22/92	05:15	486
09/22/92	05:20	449
09/22/92	05:25	311
09/22/92	05:30	292

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)
09/22/92	05:35	265
09/22/92	05:40	279
09/22/92	05:45	246
09/22/92	05:50	208
09/22/92	05:55	185
09/22/92	06:00	192
09/22/92	06:05	186
09/22/92	06:10	156
09/22/92	06:15	164
09/22/92	06:20	150
09/22/92	06:25	139
09/22/92	06:30	643
09/22/92	06:35	134
10/30/92	10:45	936
10/30/92	10:50	150
10/30/92	10:55	124
10/30/92	11:00	108
10/30/92	11:05	120
10/30/92	11:10	115
10/30/92	11:15	113
10/30/92	11:20	122
10/30/92	11:25	119
10/30/92	11:30	99
10/30/92	11:35	106
10/30/92	11:40	97
10/30/92	12:15	87
10/30/92	12:20	71
10/30/92	12:25	67
10/30/92	12:30	77
10/30/92	12:35	56
10/30/92	12:40	77
10/30/92	12:45	72
10/30/92	12:50	73
10/30/92	12:55	60
10/30/92	13:00	123
10/30/92	13:05	87
10/30/92	13:10	73
10/30/92	13:15	57
10/30/92	13:45	73
10/30/92	13:50	51
10/30/92	13:55	70
10/30/92	14:00	61
10/30/92	14:05	56
10/30/92	14:10	56
10/30/92	14:15	60
10/30/92	14:20	62
10/30/92	14:25	59
10/30/92	14:30	57
10/30/92	14:35	67
10/30/92	14:40	64
11/12/92	06:45	304
11/12/92	06:50	256
11/12/92	06:55	265
11/12/92	07:00	698
11/12/92	07:05	433
11/12/92	07:10	318
11/12/92	07:15	228
11/12/92	07:20	184
11/12/92	07:25	167
11/12/92	07:30	199
11/12/92	07:35	251
11/12/92	07:40	241
11/12/92	07:45	164
11/12/92	07:50	150
11/12/92	07:55	137
11/12/92	08:00	107
11/12/92	08:05	101
11/12/92	08:10	115
11/12/92	08:15	113
11/12/92	08:20	111
11/12/92	08:25	103
11/12/92	08:30	95
11/12/92	08:35	104
11/12/92	08:40	98
11/12/92	08:45	111
11/12/92	08:50	93
11/12/92	08:55	106
11/12/92	09:05	87
11/12/92	09:10	107
11/12/92	09:15	99
11/12/92	09:20	1,120
11/12/92	09:25	121
11/12/92	09:30	137
11/12/92	09:40	127
11/12/92	09:45	157
11/12/92	09:50	151
11/12/92	09:55	143
11/12/92	10:00	156
11/12/92	10:05	146
11/12/92	10:10	144
11/12/92	10:30	130
11/20/92	18:30	143
11/20/92	18:35	220
11/20/92	18:40	250
11/20/92	18:45	267
11/20/92	18:50	264
11/20/92	18:55	263
11/20/92	19:00	257
11/20/92	19:05	267
11/20/92	19:10	247
11/20/92	19:15	213
11/20/92	19:20	184
11/20/92	19:25	186
11/20/92	19:30	168
11/20/92	19:35	179
11/20/92	19:40	168
11/20/92	19:45	144
11/20/92	19:50	162
11/20/92	19:55	283
11/20/92	20:00	542
11/20/92	20:05	867
11/20/92	20:10	1,163
11/20/92	20:15	1,226
11/20/92	20:20	1,335
11/20/92	20:25	1,364
11/20/92	20:50	1,463
11/20/92	20:55	1,455
11/20/92	21:00	1,375
11/20/92	21:05	1,360
11/20/92	21:10	1,285
11/20/92	21:15	1,186
11/20/92	21:20	1,276
11/20/92	21:25	1,253
11/20/92	21:30	1,155
11/20/92	21:35	1,083
11/20/92	21:40	982
11/20/92	21:45	963
11/20/92	21:50	872
11/20/92	21:55	808
11/20/92	22:00	754
11/20/92	22:05	728
11/20/92	22:10	667
11/20/92	22:15	619
11/20/92	22:20	581
11/20/92	22:25	552
11/20/92	22:30	538
11/20/92	22:35	522
11/20/92	22:40	478
11/20/92	22:45	506
11/22/92	00:25	238
11/22/92	00:30	1,487
11/22/92	00:35	3,536
11/22/92	00:40	5,784
11/22/92	00:45	6,644
11/22/92	00:50	6,817
11/22/92	00:55	6,417
11/22/92	01:00	6,190
11/22/92	01:05	5,440
11/22/92	01:10	4,755
11/22/92	01:15	4,401
11/22/92	01:20	3,822
11/22/92	01:25	3,275
11/22/92	01:30	2,830
11/22/92	01:35	2,357
11/22/92	01:40	2,256
11/22/92	01:45	2,030
11/22/92	01:50	2,000
11/22/92	01:55	1,930
11/22/92	02:00	2,026
11/22/92	02:05	1,996
11/22/92	02:10	1,903
11/22/92	02:15	1,832
11/22/92	02:20	1,697
11/22/92	02:45	1,315
11/22/92	02:50	1,251
11/22/92	02:55	1,169
11/22/92	03:00	1,121
11/22/92	03:05	1,061
11/22/92	03:10	1,075
11/22/92	03:15	1,062
11/22/92	03:20	1,080
11/22/92	03:25	1,082
11/22/92	03:30	1,356
11/22/92	03:35	2,109
11/22/92	03:40	4,012
11/22/92	03:45	5,964
11/22/92	03:50	7,401
11/22/92	03:55	7,550
11/22/92	04:00	6,511
11/22/92	04:05	5,030
11/22/92	04:10	3,971
11/22/92	04:15	3,168
11/22/92	04:20	2,711
11/22/92	04:25	2,391
11/22/92	04:30	1,968
11/22/92	04:35	1,968
11/22/92	04:40	1,780
11/22/92	06:00	1,221
11/22/92	06:05	1,226
11/22/92	06:10	831
11/22/92	06:15	1,173
11/22/92	06:20	1,093
11/22/92	06:25	1,122
11/22/92	06:30	1,109
11/22/92	06:35	1,021
11/22/92	06:40	1,090
11/22/92	06:45	1,114
11/22/92	06:50	988
11/22/92	06:55	1,130
11/22/92	07:00	1,019
11/22/92	07:05	1,045
11/22/92	07:10	1,144
11/22/92	07:15	1,071
11/22/92	07:20	955
11/22/92	07:25	984
11/22/92	07:30	1,089
11/22/92	07:35	982
11/22/92	07:40	1,132
11/22/92	07:45	972
11/22/92	07:50	1,099
11/22/92	07:55	989
12/09/92	17:10	567
12/09/92	17:15	226
12/09/92	17:20	1,714
12/09/92	17:25	201
12/09/92	17:30	826
12/09/92	17:35	347
12/09/92	17:40	751
12/09/92	17:50	566
12/09/92	17:55	199
12/09/92	18:00	446
12/09/92	18:05	558
12/09/92	18:25	993
12/09/92	18:30	801
12/09/92	18:35	520
12/09/92	18:45	641
12/09/92	18:55	613
12/09/92	19:00	607
12/09/92	20:10	327
12/09/92	20:15	328
12/09/92	20:20	254

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)
12/09/92	20:25	414	02/21/93	06:32	397	02/21/93	10:27	231	03/30/93	17:28	349
12/09/92	20:30	274	02/21/93	07:10	1,096	02/21/93	10:30	208	03/30/93	17:29	354
12/09/92	20:35	249	02/21/93	07:12	1,070	02/21/93	10:32	232	03/30/93	17:30	353
12/09/92	20:40	290	02/21/93	07:15	1,046	02/21/93	10:35	220	03/30/93	17:31	325
12/09/92	20:45	222	02/21/93	07:17	1,029	02/21/93	10:37	172	03/30/93	17:32	381
12/09/92	20:50	201	02/21/93	07:20	1,027	02/21/93	10:40	245	03/30/93	17:35	340
12/09/92	20:55	332	02/21/93	07:22	999	02/21/93	10:42	269	03/30/93	17:37	347
12/09/92	21:00	316	02/21/93	07:25	963	02/21/93	10:45	169	03/30/93	17:40	353
12/09/92	21:05	321	02/21/93	07:27	913	02/21/93	10:47	251	03/30/93	17:42	329
12/09/92	21:10	150	02/21/93	07:30	869	02/21/93	10:50	171	03/30/93	17:45	365
12/09/92	21:15	485	02/21/93	07:32	881	02/21/93	13:15	275	03/30/93	17:47	360
12/09/92	21:20	484	02/21/93	07:35	793	02/21/93	15:35	112	03/30/93	17:50	366
12/09/92	21:25	491	02/21/93	07:37	763	02/21/93	15:40	104	03/30/93	17:52	333
12/09/92	21:30	452	02/21/93	07:40	731	02/21/93	15:50	28	03/30/93	17:55	350
12/09/92	21:35	440	02/21/93	07:45	674				03/30/93	17:57	352
12/09/92	21:40	381	02/21/93	07:47	654	03/30/93	15:50	168	03/30/93	18:00	361
12/09/92	21:45	405	02/21/93	07:50	646	03/30/93	15:52	286	03/30/93	18:02	385
12/09/92	21:50	435	02/21/93	07:52	606	03/30/93	15:55	760	03/30/93	18:15	335
12/09/92	21:55	415	02/21/93	07:55	607	03/30/93	15:57	1,191	03/30/93	18:17	361
12/09/92	22:00	312	02/21/93	07:57	506	03/30/93	16:00	1,728	03/30/93	18:20	304
12/09/92	22:35	215	02/21/93	08:05	277	03/30/93	16:02	1,745	03/30/93	18:22	323
12/09/92	22:40	331	02/21/93	08:30	444	03/30/93	16:05	1,525	03/30/93	18:25	344
12/09/92	22:45	286	02/21/93	08:32	443	03/30/93	16:07	1,986	03/30/93	18:27	314
12/09/92	22:50	307	02/21/93	08:35	441	03/30/93	16:10	2,700	03/30/93	18:30	317
12/09/92	22:55	325	02/21/93	08:37	401	03/30/93	16:11	2,907	03/30/93	18:32	334
12/09/92	23:00	324	02/21/93	08:40	435	03/30/93	16:12	2,964	03/30/93	18:35	395
12/09/92	23:05	232	02/21/93	08:42	444	03/30/93	16:13	3,022	03/30/93	18:37	326
12/09/92	23:10	327	02/21/93	08:45	429	03/30/93	16:14	2,988	03/30/93	18:40	319
12/09/92	23:15	352	02/21/93	08:47	410	03/30/93	16:15	2,972	03/30/93	18:42	268
12/09/92	23:20	347	02/21/93	08:50	420	03/30/93	16:16	2,960	03/30/93	18:45	307
12/09/92	23:25	281	02/21/93	08:52	406	03/30/93	16:17	3,035	03/30/93	18:47	312
12/09/92	23:30	204	02/21/93	08:55	393	03/30/93	16:18	2,706	03/30/93	18:50	243
12/09/92	23:35	302	02/21/93	08:57	395	03/30/93	16:19	2,494	03/30/93	18:52	201
12/09/92	23:40	306	02/21/93	09:00	410	03/30/93	16:20	2,682	03/30/93	18:55	198
12/09/92	23:45	278	02/21/93	09:02	388	03/30/93	16:21	21,331	03/30/93	18:57	265
			02/21/93	09:05	383	03/30/93	16:22	2,082	03/30/93	19:00	299
02/21/93	05:35	1,226	02/21/93	09:07	388	03/30/93	16:25	1,825	03/30/93	19:02	202
02/21/93	05:37	979	02/21/93	09:10	388	03/30/93	16:27	1,673	03/30/93	19:05	254
02/21/93	05:40	1,040	02/21/93	09:12	219	03/30/93	16:30	1,606	03/30/93	19:07	249
02/21/93	05:42	933	02/21/93	09:15	379	03/30/93	16:32	1,422	03/30/93	19:10	260
02/21/93	05:45	1,060	02/21/93	09:17	366	03/30/93	16:35	1,191	03/30/93	19:12	273
02/21/93	05:47	948	02/21/93	09:20	361	03/30/93	16:37	1,159	03/30/93	19:30	246
02/21/93	05:50	883	02/21/93	09:22	367	03/30/93	16:40	1,065	03/30/93	19:32	263
02/21/93	05:52	846	02/21/93	09:25	316	03/30/93	16:45	816	03/30/93	19:35	262
02/21/93	05:55	806	02/21/93	09:27	368	03/30/93	16:47	771	03/30/93	19:37	255
02/21/93	05:57	981	02/21/93	09:45	319	03/30/93	17:05	539	03/30/93	19:40	231
02/21/93	06:00	780	02/21/93	09:50	340	03/30/93	17:07	508	03/30/93	19:42	210
02/21/93	06:02	698	02/21/93	09:55	393	03/30/93	17:10	449	03/30/93	19:45	190
02/21/93	06:05	663	02/21/93	10:00	260	03/30/93	17:12	437	03/30/93	19:47	148
02/21/93	06:07	672	02/21/93	10:02	272	03/30/93	17:15	409	03/30/93	19:50	214
02/21/93	06:10	624	02/21/93	10:05	251	03/30/93	17:17	381	03/30/93	19:52	205
02/21/93	06:12	603	02/21/93	10:07	266	03/30/93	17:20	371	03/30/93	19:55	165
02/21/93	06:15	588	02/21/93	10:10	260	03/30/93	17:21	363	03/30/93	19:57	174
02/21/93	06:17	547	02/21/93	10:12	253	03/30/93	17:22	354	03/30/93	20:00	207
02/21/93	06:20	545	02/21/93	10:15	204	03/30/93	17:23	369	03/30/93	20:02	155
02/21/93	06:22	517	02/21/93	10:17	269	03/30/93	17:24	360	03/30/93	20:05	204
02/21/93	06:25	530	02/21/93	10:20	247	03/30/93	17:25	354	03/30/93	20:07	185
02/21/93	06:27	532	02/21/93	10:22	245	03/30/93	17:26	281	03/30/93	20:10	186
02/21/93	06:30	542	02/21/93	10:25	233	03/30/93	17:27	343	03/30/93	20:12	167

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)
03/30/93	20:15	174	04/14/93	21:45	2,330	04/15/93	00:39	325	04/15/93	05:55	74
03/30/93	20:17	190	04/14/93	21:48	2,292	04/15/93	00:40	358	04/15/93	06:00	65
03/30/93	20:20	111	04/14/93	21:50	1,997	04/15/93	00:45	306	04/15/93	06:05	69
03/30/93	20:22	163	04/14/93	21:53	1,926	04/15/93	00:55	304	04/15/93	06:10	83
03/30/93	20:25	141	04/14/93	21:55	1,745	04/15/93	01:00	277	04/15/93	06:15	73
03/30/93	20:27	103	04/14/93	21:58	1,595	04/15/93	01:05	267	04/15/93	06:20	72
			04/14/93	22:00	1,435	04/15/93	01:10	253	04/15/93	06:25	61
04/14/93	19:20	705	04/14/93	22:03	1,322	04/15/93	01:15	236	04/15/93	06:30	57
04/14/93	19:23	755	04/14/93	22:05	1,200	04/15/93	01:20	228	04/15/93	06:35	72
04/14/93	19:25	622	04/14/93	22:08	1,101	04/15/93	01:25	206	04/15/93	06:40	72
04/14/93	19:28	549	04/14/93	22:10	979	04/15/93	01:30	197	04/15/93	06:45	60
04/14/93	19:30	418	04/14/93	22:13	896	04/15/93	01:35	184	04/15/93	06:50	57
04/14/93	19:33	372	04/14/93	22:15	865	04/15/93	01:40	173	04/15/93	06:55	58
04/14/93	19:35	332	04/14/93	22:18	781	04/15/93	01:45	176	04/15/93	07:00	60
04/14/93	19:38	465	04/14/93	22:20	724	04/15/93	01:50	167	04/15/93	07:05	56
04/14/93	19:40	707	04/14/93	22:23	695	04/15/93	01:55	160	04/15/93	08:00	64
04/14/93	19:43	752	04/14/93	22:25	670	04/15/93	02:00	167	04/15/93	08:05	62
04/14/93	19:45	744	04/14/93	22:28	655	04/15/93	02:05	151	04/15/93	08:10	69
04/14/93	19:48	737	04/14/93	22:35	590	04/15/93	02:10	165	04/15/93	08:15	49
04/14/93	19:50	830	04/14/93	22:38	574	04/15/93	02:15	153	04/15/93	08:20	55
04/14/93	19:53	836	04/14/93	22:40	548	04/15/93	02:20	167	04/15/93	08:25	61
04/14/93	19:55	796	04/14/93	22:43	575	04/15/93	02:25	165	04/15/93	08:30	54
04/14/93	19:58	725	04/14/93	22:45	543	04/15/93	02:30	162	04/15/93	08:35	65
04/14/93	20:00	658	04/14/93	22:48	544	04/15/93	02:35	154	04/15/93	08:40	56
04/14/93	20:03	637	04/14/93	22:50	536	04/15/93	02:40	156	04/15/93	08:45	65
04/14/93	20:05	573	04/14/93	22:53	578	04/15/93	02:45	155	04/15/93	08:50	61
04/14/93	20:08	589	04/14/93	22:55	617	04/15/93	02:50	144	04/15/93	08:55	56
04/14/93	20:15	507	04/14/93	22:58	599	04/15/93	03:10	155	04/15/93	09:00	55
04/14/93	20:18	494	04/14/93	23:00	508	04/15/93	03:15	153	04/15/93	09:05	62
04/14/93	20:25	464	04/14/93	23:03	500	04/15/93	03:20	153	04/15/93	09:10	57
04/14/93	20:28	447	04/14/93	23:05	477	04/15/93	03:25	148	04/15/93	09:15	56
04/14/93	20:30	435	04/14/93	23:08	471	04/15/93	03:30	141	04/15/93	09:20	50
04/14/93	20:33	471	04/14/93	23:10	457	04/15/93	03:35	132	04/15/93	09:25	58
04/14/93	20:35	439	04/14/93	23:13	453	04/15/93	03:40	138	04/15/93	09:30	58
04/14/93	20:38	451	04/14/93	23:15	448	04/15/93	03:45	137	04/15/93	09:35	57
04/14/93	20:40	1,904	04/14/93	23:18	435	04/15/93	03:50	115	04/15/93	10:20	49
04/14/93	20:43	3,723	04/14/93	23:20	418	04/15/93	03:55	135	04/15/93	10:25	54
04/14/93	20:45	2,262	04/14/93	23:23	396	04/15/93	04:00	128	04/15/93	10:30	47
04/14/93	20:48	1,824	04/14/93	23:28	391	04/15/93	04:05	128	04/15/93	10:35	48
04/14/93	20:50	4,049	04/14/93	23:30	383	04/15/93	04:10	129	04/15/93	10:40	51
04/14/93	20:53	3,242	04/14/93	23:33	373	04/15/93	04:15	106	04/15/93	10:45	42
04/14/93	20:55	2,807	04/14/93	23:45	358	04/15/93	04:20	115	04/15/93	10:50	48
04/14/93	20:58	2,481	04/14/93	23:48	341	04/15/93	04:25	100	04/15/93	10:55	39
04/14/93	21:00	2,226	04/14/93	23:50	349	04/15/93	04:30	97	04/15/93	11:00	42
04/14/93	21:03	1,563	04/14/93	23:53	335	04/15/93	04:35	108	04/15/93	11:05	43
04/14/93	21:05	1,694	04/15/93	00:05	300	04/15/93	04:40	100	04/15/93	11:10	48
04/14/93	21:08	864	04/15/93	00:10	304	04/15/93	04:45	84	04/15/93	11:15	48
04/14/93	21:10	1,394	04/15/93	00:15	300	04/15/93	04:50	80	04/15/93	11:20	38
04/14/93	21:13	1,280	04/15/93	00:20	329	04/15/93	04:55	81	04/15/93	11:25	45
04/14/93	21:15	1,242	04/15/93	00:25	326	04/15/93	05:00	83	04/15/93	11:30	46
04/14/93	21:18	1,163	04/15/93	00:30	356	04/15/93	05:10	88	04/15/93	11:35	41
04/14/93	21:20	1,000	04/15/93	00:31	301	04/15/93	05:15	85	04/15/93	11:40	39
04/14/93	21:23	926	04/15/93	00:32	333	04/15/93	05:20	90	04/15/93	11:45	47
04/14/93	21:30	949	04/15/93	00:33	322	04/15/93	05:25	83	04/15/93	11:50	46
04/14/93	21:33	1,074	04/15/93	00:34	355	04/15/93	05:30	79	04/15/93	11:55	41
04/14/93	21:35	1,048	04/15/93	00:35	419	04/15/93	05:35	90	04/15/93	12:05	36
04/14/93	21:38	1,417	04/15/93	00:36	329	04/15/93	05:40	88	04/15/93	12:10	38
04/14/93	21:40	2,242	04/15/93	00:37	325	04/15/93	05:45	89	04/15/93	12:15	39
04/14/93	21:43	2,108	04/15/93	00:38	313	04/15/93	05:50	89	04/15/93	12:20	40

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)
04/15/93	14:05	8
04/15/93	15:25	34
04/20/93	02:00	71
04/20/93	02:05	84
04/20/93	02:10	85
04/20/93	02:25	129
04/20/93	02:30	120
04/20/93	02:35	141
04/20/93	02:40	120
04/20/93	02:45	119
04/20/93	02:50	94
04/20/93	02:55	110
04/20/93	03:00	132
04/20/93	03:05	129
04/20/93	03:10	133
04/20/93	03:15	138
04/20/93	03:20	134
04/20/93	03:25	100
04/20/93	03:30	120
04/20/93	03:35	119
04/20/93	03:40	120
04/20/93	03:45	188
04/20/93	03:50	177
04/20/93	03:55	115
04/20/93	04:00	103
04/20/93	04:05	97
04/20/93	04:10	92
04/20/93	04:15	91
04/20/93	04:20	89
04/20/93	04:25	88
04/20/93	04:30	62
04/20/93	04:35	82
04/20/93	04:40	85
04/20/93	04:45	101
04/20/93	04:50	74
04/20/93	04:55	83
04/20/93	05:00	80
04/20/93	05:05	86
04/20/93	05:10	69
04/20/93	05:15	88
04/25/93	14:10	120
04/25/93	14:15	130
04/25/93	14:20	116
04/25/93	14:25	165
04/25/93	14:30	199
04/25/93	14:35	235
04/25/93	14:40	254
04/25/93	14:45	433
04/25/93	14:50	414
04/25/93	14:55	419
04/25/93	15:00	384
04/25/93	15:05	439
04/25/93	15:10	347
04/25/93	15:15	302
04/25/93	15:20	244
04/25/93	15:25	209
04/25/93	15:30	192
04/25/93	15:35	182
04/25/93	15:40	165
04/25/93	15:45	162
04/25/93	15:50	151
04/25/93	15:55	135
04/25/93	16:00	130
04/25/93	16:05	126
04/30/93	05:35	37
04/30/93	05:40	30
04/30/93	05:50	31
04/30/93	06:00	33
04/30/93	06:05	35
04/30/93	06:10	40
04/30/93	06:15	46
04/30/93	06:20	51
04/30/93	06:25	51
04/30/93	06:30	45
04/30/93	06:35	49
04/30/93	06:40	50
04/30/93	06:45	46
04/30/93	06:50	39
04/30/93	06:55	33
04/30/93	07:00	24
04/30/93	07:05	40
04/30/93	07:10	61
04/30/93	07:25	35
04/30/93	07:30	37
04/30/93	07:35	1,224
05/10/93	19:05	275
05/10/93	19:10	250
05/10/93	19:15	342
05/10/93	19:20	339
05/10/93	19:35	236
05/10/93	19:40	200
05/10/93	19:45	167
05/10/93	19:50	172
05/10/93	19:55	173
05/10/93	20:00	181
05/10/93	20:05	185
05/10/93	20:10	181
05/10/93	20:15	176
05/10/93	20:45	113
05/10/93	20:50	98
05/10/93	20:55	101
05/10/93	21:00	89
05/18/93	18:10	55
05/18/93	18:12	85
05/18/93	18:13	66
05/18/93	18:16	70
05/18/93	18:17	77
05/18/93	18:18	84
05/18/93	18:19	61
08/02/93	01:10	428
08/02/93	01:15	2,480
08/02/93	01:25	6,498
08/02/93	01:30	4,753
08/02/93	01:35	2,489
08/02/93	01:40	2,079
08/02/93	01:45	2,352
08/02/93	01:50	2,351
08/02/93	01:55	2,595
08/02/93	02:00	2,426
08/02/93	02:05	2,488
08/02/93	02:10	2,738
08/02/93	02:15	2,703
08/02/93	02:20	2,820
08/02/93	02:25	2,869
08/02/93	02:30	2,731
08/02/93	02:35	2,701
08/02/93	02:40	2,398
08/02/93	02:45	2,067
08/02/93	02:50	1,928
08/02/93	02:55	1,808
08/02/93	03:00	1,735
08/02/93	03:05	1,705
08/02/93	03:10	1,478
08/02/93	03:15	1,288
08/02/93	03:20	1,140
08/02/93	03:25	1,089
08/02/93	03:30	906
08/02/93	03:35	832
08/02/93	03:40	782
08/02/93	03:45	696
08/02/93	03:50	652
08/02/93	03:55	605
08/02/93	04:00	518
08/02/93	04:05	428
08/02/93	04:10	435
08/02/93	04:15	436
08/02/93	04:20	397
08/02/93	04:25	345
08/02/93	04:30	362
08/05/93	18:55	1,780
08/05/93	19:00	10,414
08/05/93	19:05	9,853
08/05/93	19:10	5,535
08/05/93	19:15	4,071
08/05/93	19:20	3,779
08/05/93	19:25	3,066
08/05/93	19:30	1,839
08/05/93	19:35	2,206
08/05/93	19:40	1,916
08/05/93	19:45	1,767
08/05/93	19:50	1,582
08/05/93	19:55	1,438
08/05/93	20:00	1,346
08/05/93	20:05	3,651
08/05/93	20:10	1,560
08/05/93	20:15	1,066
08/05/93	20:20	770
08/05/93	20:25	747
08/05/93	20:30	720
08/05/93	20:35	675
08/05/93	20:40	633
08/05/93	20:45	573
08/05/93	20:50	566
09/23/93	15:10	149
09/23/93	15:15	104
09/23/93	15:20	69
09/23/93	15:25	56
09/23/93	15:50	211
09/23/93	15:55	247
09/23/93	16:00	233
09/23/93	16:05	179
09/24/93	08:55	69
09/24/93	09:00	152
09/24/93	09:05	518
09/24/93	20:00	2,391
09/24/93	20:05	1,364
09/24/93	20:10	899
09/24/93	20:15	1,530
09/24/93	20:20	1,351
09/24/93	20:25	903
09/24/93	20:30	740
09/24/93	20:35	508
09/24/93	20:40	584
09/24/93	20:45	495
09/24/93	20:50	525
09/24/93	20:55	625
09/24/93	21:00	676
09/24/93	21:05	654
09/24/93	21:10	528
09/24/93	21:45	335
09/24/93	21:50	267
09/24/93	21:55	232
09/24/93	22:00	225
09/24/93	22:05	134
09/24/93	22:10	189
09/24/93	22:15	211
09/24/93	22:20	171
09/24/93	22:25	167
09/24/93	22:30	150
09/24/93	22:35	170
09/24/93	22:40	162
09/24/93	22:45	140
09/24/93	22:50	130
09/24/93	22:55	123
09/24/93	23:00	111
09/24/93	23:05	111
09/24/93	23:10	109
09/24/93	23:15	99
09/24/93	23:20	103
09/24/93	23:25	104
09/24/93	23:30	92
09/24/93	23:35	84
09/24/93	23:40	82
09/24/93	23:50	81
09/24/93	23:55	60
09/24/93	24:00	77
09/25/93	00:05	73

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)
09/25/93	00:10	84
10/22/93	11:15	82
10/22/93	11:20	190
10/22/93	11:25	194
10/22/93	11:30	1,074
10/22/93	11:35	898
10/22/93	11:40	506
10/22/93	11:45	342
10/22/93	11:50	310
10/22/93	11:55	292
10/22/93	12:00	226
10/22/93	12:05	170
10/22/93	12:10	186
10/22/93	12:15	133
10/22/93	12:20	115
10/22/93	12:25	106
10/22/93	12:30	100
10/22/93	12:35	93
10/22/93	12:40	100
10/22/93	12:45	93
10/22/93	12:50	86
10/22/93	12:55	79
10/22/93	13:00	76
10/22/93	13:05	74
10/22/93	13:10	75
10/22/93	22:10	58
10/22/93	22:15	77
10/22/93	22:20	76
10/22/93	22:25	88
10/22/93	22:30	88
10/22/93	22:35	116
10/22/93	22:40	226
10/22/93	22:45	254
10/22/93	22:50	194
10/22/93	22:55	156
10/22/93	23:00	136
10/22/93	23:05	118
10/22/93	23:10	114
10/22/93	23:15	113
10/22/93	23:20	111
10/22/93	23:25	97
10/22/93	23:30	86
10/22/93	23:35	86
10/22/93	23:40	82
10/22/93	23:45	71
10/22/93	23:50	82
10/22/93	23:55	80
10/22/93	24:00	78
10/22/93	00:05	76
11/14/93	13:15	2,752
11/14/93	13:20	1,566
11/14/93	13:25	1,408
11/14/93	14:15	637
11/14/93	14:20	634
11/14/93	14:25	534
11/14/93	14:30	548
11/14/93	14:35	435
11/14/93	14:40	407
11/14/93	14:45	382
11/14/93	14:50	354
11/14/93	14:55	218
11/14/93	15:00	293
11/14/93	15:20	240
11/14/93	15:25	221
11/14/93	15:30	219
11/14/93	15:35	198
11/14/93	15:40	212
11/14/93	15:45	212
11/14/93	15:50	226
11/14/93	15:55	239
11/14/93	16:00	294
11/14/93	16:05	298
11/14/93	16:50	216
11/14/93	16:55	212
11/14/93	17:00	192
11/14/93	17:05	198
11/14/93	17:10	190
11/14/93	17:15	191
11/14/93	17:20	176
11/14/93	17:25	183
11/14/93	17:30	204
11/14/93	17:35	208
11/14/93	17:40	188
11/14/93	17:45	152
11/14/93	17:50	145
11/14/93	17:55	170
11/14/93	18:00	308
11/14/93	18:05	183
11/14/93	18:10	144
11/14/93	18:15	143
11/14/93	18:20	121
11/14/93	18:25	115
11/14/93	18:30	112
11/14/93	18:35	111
11/14/93	19:25	87
11/14/93	19:35	83
11/14/93	19:40	78
11/14/93	19:45	73
11/14/93	19:50	71
11/14/93	19:55	69
11/14/93	20:05	65
11/14/93	20:10	64
11/14/93	20:15	65
11/14/93	20:20	65
11/14/93	20:25	63
11/14/93	20:30	61
11/14/93	20:35	58
11/14/93	20:40	61
11/14/93	20:45	56
11/14/93	21:05	46
11/14/93	21:10	48
11/14/93	21:15	48
11/14/93	21:20	46
11/14/93	22:05	40
11/14/93	22:20	45
11/14/93	22:35	41
11/14/93	22:50	39
11/14/93	23:05	24
11/14/93	23:20	32
11/14/93	23:35	36
11/14/93	23:35	36
11/15/93	00:05	21
11/15/93	00:20	35
11/15/93	00:35	32
11/15/93	00:50	29
11/15/93	01:05	38
03/24/94	07:50	7,743
03/24/94	07:55	5,305
03/24/94	08:00	6,200
03/24/94	08:05	4,367
03/24/94	08:10	2,583
03/24/94	08:15	1,953
03/24/94	08:20	1,622
03/24/94	08:25	1,402
03/24/94	08:30	1,249
03/24/94	08:35	1,015
03/24/94	08:40	980
03/24/94	08:45	864
03/24/94	08:50	836
03/24/94	08:55	696
03/24/94	09:00	603
03/24/94	09:05	597
03/24/94	09:10	594
03/24/94	09:15	485
03/24/94	09:20	424
03/24/94	09:25	412
03/24/94	09:30	377
03/24/94	09:35	343
03/24/94	09:40	345
03/24/94	09:45	287
03/24/94	09:50	272
03/24/94	09:55	262
03/24/94	10:00	224
03/24/94	10:05	221
03/24/94	10:10	207
03/24/94	10:15	204
03/24/94	10:20	173
03/24/94	10:25	172
03/24/94	10:30	161
03/24/94	10:35	158
03/24/94	10:40	128
03/24/94	10:45	132
03/24/94	10:50	143
03/24/94	10:55	136
03/24/94	11:00	121
03/24/94	11:05	127
03/24/94	11:10	108
03/24/94	11:15	118
03/24/94	11:20	110
03/24/94	11:25	101
03/24/94	11:30	98
03/24/94	11:35	89
03/24/94	11:40	102
03/24/94	11:50	87
03/24/94	11:55	95
03/24/94	12:00	95
03/24/94	12:05	67
03/24/94	12:10	85
03/24/94	12:15	86
03/24/94	12:20	89
03/24/94	12:25	75
03/24/94	12:30	71
03/24/94	12:35	84
03/24/94	12:40	82
03/24/94	12:45	87
03/24/94	12:50	76
03/24/94	12:55	70
03/24/94	13:00	67
03/24/94	13:05	43
03/24/94	13:10	64
03/24/94	13:15	74
03/24/94	13:20	63
03/24/94	13:25	69
03/24/94	13:30	73
03/24/94	13:35	75
03/24/94	13:40	59
03/24/94	13:45	71
03/24/94	13:50	69
03/24/94	13:55	63
03/24/94	14:00	63
03/24/94	14:05	62
03/24/94	14:10	39
03/24/94	14:15	63
03/24/94	14:20	52
03/24/94	14:25	57
03/24/94	14:30	39
03/24/94	14:35	46
03/24/94	14:40	61
03/24/94	14:45	51
03/24/94	14:50	46
03/24/94	14:55	45
03/24/94	15:00	55
03/24/94	15:05	50
03/24/94	15:10	32
03/24/94	15:15	46
03/24/94	15:20	52
03/24/94	15:25	48
03/24/94	15:30	43
03/24/94	15:35	33
03/24/94	15:40	44
03/24/94	15:45	42
06/09/94	16:10	249
06/09/94	16:15	202
06/09/94	16:20	241
06/09/94	16:25	239
06/09/94	16:30	216
06/09/94	16:35	205
06/09/94	16:40	214
06/09/94	16:45	198
06/09/94	16:50	198
06/09/94	16:55	189

Table 9. Suspended-sediment data for water samples collected at the West Beaver Creek canal tributary at Moffatt farm near Madge (station 070302481), 1990-1994--Continued

[mg/L, milligrams per liter]

Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)	Date	Time	Sediment suspended (mg/L)
06/09/94	17:00	177	06/09/94	18:35	127	06/09/94	19:55	97	06/09/94	21:10	65
06/09/94	17:05	172	06/09/94	18:40	141	06/09/94	20:00	67	06/09/94	21:15	76
06/09/94	17:10	149	06/09/94	18:45	138	06/09/94	20:05	78	06/09/94	21:20	55
06/09/94	17:15	161	06/09/94	18:50	119	06/09/94	20:10	97	06/09/94	21:25	71
06/09/94	17:20	144	06/09/94	18:55	126	06/09/94	20:15	58	06/09/94	21:30	52
06/09/94	17:25	152	06/09/94	19:00	137	06/09/94	20:20	63	06/09/94	21:35	59
06/09/94	17:30	139	06/09/94	19:05	126	06/09/94	20:25	48	06/09/94	21:40	79
06/09/94	17:35	139	06/09/94	19:10	120	06/09/94	20:30	59	06/09/94	21:45	71
06/09/94	17:40	139	06/09/94	19:15	111	06/09/94	20:35	79	06/09/94	21:50	52
06/09/94	17:45	145	06/09/94	19:20	102	06/09/94	20:40	82	06/09/94	21:55	70
06/09/94	17:50	130	06/09/94	19:25	117	06/09/94	20:45	80	06/09/94	22:00	46
06/09/94	17:55	141	06/09/94	19:30	114	06/09/94	20:50	81	06/09/94	22:05	70
06/09/94	18:00	152	06/09/94	19:35	112	06/09/94	20:55	85	06/09/94	22:10	54
06/09/94	18:05	135	06/09/94	19:40	101	06/09/94	21:00	74	06/09/94	22:15	56
06/09/94	18:25	135	06/09/94	19:45	62	06/09/94	21:05	72	06/09/94	22:20	64
06/09/94	18:30	126	06/09/94	19:50	73						

Table 10. Suspended-sediment 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]

Date	Time	Sediment, suspended (mg/L)
04/21/90	10:20	126
04/21/90	10:50	119
05/19/90	18:05	988
05/19/90	18:35	598
05/19/90	19:05	925
05/19/90	20:05	429
05/19/90	21:10	247
05/20/90	01:40	720
05/20/90	03:10	931
05/20/90	04:40	690
05/20/90	06:10	407
05/20/90	07:40	314
06/22/90	02:20	7,052
06/22/90	02:50	3,344
06/22/90	03:30	1,417
06/22/90	04:05	894
06/22/90	05:10	559
06/22/90	06:15	327
06/22/90	07:05	248
06/22/90	09:45	132
10/03/90	20:30	1,104
10/03/90	21:00	351
10/03/90	21:30	325
10/04/90	01:40	1,917
10/04/90	02:10	830
10/04/90	02:40	421
10/04/90	04:10	380
10/04/90	05:10	198
10/04/90	08:30	198
01/06/91	04:00	962
01/06/91	04:10	1,051
01/06/91	04:40	1,157
01/06/91	05:10	1,287
01/06/91	05:40	1,163
01/06/91	06:40	635
01/06/91	08:40	247
01/06/91	09:40	222
01/06/91	10:40	224
01/06/91	11:40	146
01/06/91	12:40	125
01/06/91	18:30	244
01/06/91	20:00	200
01/06/91	21:30	219
01/06/91	23:00	196
01/07/91	00:30	161
01/07/91	03:30	81
01/07/91	11:00	52
02/13/91	20:50	133
02/19/91	13:40	160
03/28/91	20:20	1,370
03/28/91	20:25	1,323
03/28/91	20:45	1,077
03/28/91	21:00	1,240
03/28/91	21:45	903
03/28/91	22:15	599
03/28/91	23:15	583
03/29/91	00:15	690
03/29/91	02:15	354
03/29/91	11:30	571
03/29/91	12:30	1,028
03/29/91	13:30	890
03/29/91	14:30	922
03/29/91	15:30	732
03/29/91	16:30	479
03/29/91	18:30	294
03/29/91	20:30	201
03/29/91	22:30	633
03/30/91	10:25	69
04/27/91	05:50	549
04/27/91	06:00	713
04/27/91	06:10	1,500
04/27/91	06:40	865
04/27/91	07:10	404
04/27/91	08:10	482
04/27/91	09:10	494
04/27/91	10:10	303
04/27/91	11:10	205
04/27/91	12:10	180
04/27/91	13:10	159
04/27/91	16:10	127
04/27/91	19:10	98
04/27/91	23:10	72
05/19/91	17:50	59
05/25/91	10:10	956
05/25/91	10:15	1,964
05/25/91	10:20	2,011
05/25/91	10:25	1,573
05/25/91	10:30	1,226
05/25/91	10:35	1,055
05/25/91	10:40	917
05/25/91	10:45	846
05/25/91	10:50	784
05/25/91	10:55	763
05/25/91	11:00	739
05/25/91	11:05	385
05/25/91	11:20	634
05/25/91	11:35	280
05/25/91	11:50	211
05/25/91	12:05	186
05/25/91	12:20	158
05/25/91	12:35	114
05/25/91	12:50	129
05/25/91	13:05	117
05/25/91	13:20	150
05/25/91	13:35	118
05/25/91	14:00	110
05/25/91	14:30	115
05/25/91	15:00	121
05/25/91	15:30	111
05/25/91	16:00	111
05/25/91	16:30	116
05/25/91	17:00	101
05/25/91	17:30	82
05/25/91	18:00	72
05/25/91	18:30	72
05/25/91	19:00	78
05/25/91	19:30	90
05/28/91	11:55	40
05/29/91	13:55	31
06/11/91	15:45	1,893
06/11/91	15:50	2,609
06/11/91	15:55	1,912
06/11/91	16:00	1,466
06/11/91	16:05	1,285
06/11/91	16:10	949
06/11/91	16:15	1,000
06/11/91	16:20	935
06/11/91	16:25	694
06/11/91	16:30	1,164
06/11/91	16:35	1,503
06/11/91	16:40	1,564
06/11/91	16:55	800
06/11/91	17:10	473
06/11/91	17:25	392
06/11/91	17:40	351
06/11/91	17:55	338
06/11/91	18:10	267
06/11/91	18:25	219
06/11/91	18:40	211
06/11/91	18:55	174
06/11/91	19:05	160
06/11/91	19:10	148
06/11/91	19:25	151
06/11/91	19:40	145
06/11/91	20:00	119
06/12/91	13:30	42
06/12/91	21:05	99
06/21/91	18:35	1,806
06/21/91	18:40	3,748
06/21/91	18:45	2,611
06/21/91	18:50	1,873
06/21/91	19:00	1,362
06/21/91	19:15	2,139
06/21/91	19:30	2,287
06/21/91	20:00	1,994
06/22/91	14:30	3,761
06/22/91	14:45	2,872
06/22/91	15:00	4,801
06/22/91	15:15	4,767
06/22/91	15:30	4,557
06/22/91	15:45	4,046
06/22/91	16:00	3,766
07/03/91	18:20	6,230
07/03/91	18:25	4,897
07/03/91	18:30	3,887
07/03/91	18:35	3,109
07/03/91	18:40	2,784
07/03/91	18:45	5,023
07/03/91	18:50	6,156
07/03/91	18:55	5,440
07/03/91	19:00	4,841
07/03/91	19:05	4,232
07/03/91	19:10	3,731
07/03/91	19:15	3,242
07/03/91	19:30	2,710
07/03/91	19:45	2,133
07/03/91	20:00	1,539
07/03/91	20:15	1,329
07/03/91	20:30	1,113
07/03/91	20:45	1,004
07/03/91	21:00	866
07/03/91	21:15	804
07/03/91	21:30	663
07/03/91	21:45	593
07/03/91	22:00	613
07/03/91	22:15	551
07/24/91	22:10	2,470
07/24/91	22:15	1,824
07/24/91	22:20	1,636
07/24/91	22:25	1,480
07/24/91	22:30	1,508
07/24/91	22:35	1,430
07/24/91	22:40	1,258
07/24/91	22:45	1,177
07/24/91	22:50	2,679
07/24/91	22:55	2,557
07/24/91	23:00	2,260
07/24/91	23:05	1,977
07/24/91	23:20	1,648
07/24/91	23:35	1,529
07/25/91	00:15	835
08/09/91	03:30	2,271
08/09/91	03:35	4,052
08/09/91	03:40	3,181
08/09/91	03:45	3,164
08/09/91	03:50	2,871
08/09/91	03:55	2,205
08/09/91	04:00	1,806
08/09/91	04:05	1,523
08/09/91	04:10	1,361
08/09/91	04:15	1,281
08/09/91	04:20	1,087
08/09/91	04:25	995
08/09/91	04:40	731

Table 10. Suspended-sediment 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]

Date	Time	Sediment, suspended (mg/L)
08/09/91	04:55	627
08/09/91	05:10	1,360
08/09/91	05:25	2,469
08/09/91	05:40	2,631
08/09/91	05:55	2,762
08/09/91	06:10	2,533
08/09/91	06:25	2,504
08/09/91	06:40	2,178
08/09/91	06:55	1,894
08/09/91	07:10	1,622
08/09/91	07:25	1,423
08/09/91	15:05	661
08/28/91	14:25	1,880
08/28/91	14:35	1,059
08/28/91	14:45	1,016
08/28/91	14:55	827
08/28/91	15:05	658
08/28/91	15:15	625
08/28/91	15:30	670
08/28/91	16:25	607
08/28/91	16:55	796
10/30/91	13:40	176
11/01/91	01:15	582
11/01/91	01:30	287
11/01/91	01:45	390
11/01/91	01:55	506
11/01/91	02:00	407
11/01/91	02:15	268
11/01/91	02:30	288
11/01/91	02:45	377
11/01/91	03:15	214
11/01/91	03:45	575
11/01/91	04:00	427
11/01/91	04:15	449
11/01/91	04:30	571
11/01/91	04:45	410
11/01/91	05:00	284
11/01/91	05:15	325
11/19/91	22:15	1,347
11/19/91	22:30	1,079
11/19/91	22:45	1,033
11/19/91	23:00	2,143
11/19/91	23:15	1,872
11/19/91	23:45	1,004
11/19/91	24:00	910
11/20/91	00:15	769
11/20/91	00:30	713
11/20/91	00:45	854
11/20/91	01:00	553
11/20/91	01:15	192
11/20/91	01:30	268
11/20/91	01:45	230
11/20/91	02:00	306
11/20/91	02:15	229
11/20/91	02:30	208
11/20/91	02:45	217
11/20/91	03:15	227
11/20/91	11:15	114
11/20/91	11:30	114
11/20/91	11:45	135
11/20/91	12:00	1,830
11/20/91	12:15	108
11/20/91	12:30	133
11/20/91	12:45	98
11/20/91	13:00	91
11/20/91	13:15	108
11/20/91	13:30	94
02/17/92	20:00	3,347
02/17/92	20:05	3,443
02/17/92	20:15	2,704
02/17/92	20:20	2,016
02/17/92	20:30	1,453
02/17/92	20:35	1,353
02/17/92	20:45	1,447
02/17/92	20:50	1,519
02/17/92	21:00	1,611
02/17/92	21:05	1,519
02/17/92	21:15	1,194
02/17/92	21:20	1,016
02/17/92	21:35	1,067
02/17/92	21:40	930
02/17/92	21:50	812
02/17/92	21:55	751
02/17/92	22:05	648
02/17/92	22:10	608
02/17/92	22:20	508
02/17/92	22:25	499
02/17/92	22:35	461
02/17/92	22:40	443
02/17/92	22:50	416
02/17/92	22:55	389
02/17/92	23:05	381
02/17/92	23:10	372
02/17/92	23:15	373
02/17/92	23:25	380
03/18/92	07:45	1,016
03/18/92	07:50	1,426
03/18/92	08:00	1,430
03/18/92	08:05	1,509
03/18/92	08:15	1,060
03/18/92	08:25	1,685
03/18/92	08:30	1,803
03/18/92	08:35	2,380
03/18/92	09:45	1,275
03/18/92	09:50	1,202
03/18/92	09:55	1,050
03/18/92	10:00	1,218
03/18/92	10:05	1,281
03/18/92	10:10	1,170
03/18/92	10:15	1,176
03/18/92	10:20	1,127
03/18/92	10:30	948
03/18/92	10:35	922
03/18/92	12:05	737
03/18/92	12:10	757
03/18/92	12:15	721
03/18/92	12:20	752
03/18/92	12:25	742
03/18/92	12:30	738
03/18/92	12:35	711
03/18/92	12:40	677
03/18/92	12:50	716
03/18/92	12:55	705
03/18/92	13:00	665
03/18/92	13:10	683
03/18/92	13:15	681
03/18/92	13:20	598
03/18/92	13:25	680
03/18/92	13:30	665
03/18/92	13:35	672
03/18/92	13:40	642
03/18/92	13:45	647
03/18/92	13:50	654
03/18/92	14:10	561
03/18/92	14:15	533
03/18/92	14:20	568
03/18/92	14:25	557
03/18/92	14:30	548
03/18/92	14:35	510
03/18/92	14:40	541
03/18/92	14:45	506
03/18/92	14:50	509
03/18/92	14:55	492
03/18/92	15:00	459
03/18/92	15:05	491
03/18/92	15:10	502
03/18/92	15:15	461
03/18/92	15:20	479
03/18/92	15:25	508
03/18/92	15:30	387
03/18/92	15:40	516
03/18/92	15:45	458
03/18/92	15:50	452
03/18/92	15:55	550
03/18/92	16:00	449
05/29/92	10:05	1,150
05/29/92	10:07	505
05/29/92	10:08	553
05/29/92	10:10	540
05/29/92	10:12	554
05/29/92	10:14	556
05/29/92	10:15	549
06/03/92	04:30	2,030
06/03/92	04:35	2,149
06/03/92	04:40	2,720
06/03/92	04:45	2,290
06/03/92	04:50	2,056
06/03/92	04:55	2,054
06/03/92	05:00	1,590
06/03/92	05:05	933
06/03/92	05:10	2,180
06/03/92	05:15	2,100
06/03/92	05:20	1,923
06/03/92	05:25	1,726
06/03/92	05:40	1,050
06/03/92	05:45	1,099
06/03/92	06:50	1,044
06/03/92	06:55	963
06/03/92	07:00	953
06/03/92	07:05	1,046
06/03/92	07:10	965
06/03/92	07:15	1,022
06/03/92	07:20	1,179
06/03/92	07:25	1,210
06/03/92	07:30	1,339
06/03/92	07:35	1,525
06/03/92	07:40	1,440
06/03/92	07:45	1,506
06/03/92	07:50	1,488
06/03/92	07:55	1,410
06/03/92	08:00	1,336
06/03/92	08:05	1,294
06/03/92	08:10	1,190
06/03/92	08:15	1,211
06/03/92	08:20	1,098
06/03/92	08:25	681
06/03/92	08:30	726
06/03/92	08:35	1,037
06/03/92	08:40	947
06/03/92	08:45	948
06/03/92	08:50	900
06/03/92	08:55	766
06/03/92	09:00	793
06/03/92	09:05	748
06/03/92	09:10	714
06/03/92	09:15	693
06/03/92	09:20	701
06/03/92	09:25	1,050
06/03/92	09:30	1,079
06/03/92	09:35	1,125
06/26/92	01:20	5,690
06/26/92	01:25	4,296
06/26/92	01:30	3,643
06/26/92	01:35	2,770
06/26/92	01:40	1,936
06/26/92	01:45	1,532
06/26/92	01:50	1,460
06/26/92	01:55	1,436
06/26/92	02:00	1,264
06/26/92	02:05	1,360
06/26/92	02:10	1,332
06/26/92	02:15	1,309
06/26/92	03:25	5,500
06/26/92	03:30	5,651
06/26/92	03:35	5,312
06/26/92	03:40	3,940
06/26/92	03:45	4,194

Table 10. Suspended-sediment 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]

Date	Time	Sediment, suspended (mg/L)
06/26/92	03:50	3,769
06/26/92	03:55	3,070
06/26/92	04:00	3,210
06/26/92	04:05	2,390
06/26/92	04:10	2,860
06/26/92	04:15	3,033
06/26/92	04:20	4,037
06/26/92	04:30	2,290
06/26/92	04:35	1,925
06/26/92	04:40	1,309
06/26/92	04:45	1,600
06/26/92	04:50	1,181
06/26/92	04:55	570
06/26/92	05:00	1,390
06/26/92	05:05	1,267
06/26/92	05:10	828
06/26/92	05:15	1,310
06/26/92	05:20	1,165
06/26/92	05:25	893
06/26/92	05:30	1,150
06/26/92	05:35	881
06/26/92	05:40	780
06/26/92	05:45	988
06/26/92	05:50	953
06/26/92	05:55	913
06/26/92	06:00	905
06/26/92	06:05	927
06/26/92	06:10	902
06/26/92	06:15	903
06/26/92	06:20	886
06/26/92	06:25	790
06/26/92	06:30	717
06/26/92	06:35	728
06/26/92	06:40	609
06/26/92	06:45	666
06/26/92	06:50	664
06/26/92	06:55	735
06/26/92	07:00	593
06/26/92	07:05	766
06/26/92	07:10	685
06/26/92	07:15	525
06/26/92	07:20	607
06/26/92	07:25	583
06/26/92	07:30	482
06/26/92	07:35	554
06/26/92	07:40	488
06/26/92	07:45	434
06/26/92	07:50	399
06/26/92	07:55	473
06/26/92	08:00	406
06/26/92	08:05	413
06/26/92	08:10	358
06/26/92	08:15	401
06/26/92	08:20	444
06/26/92	08:25	364
11/12/92	06:45	1,096
11/12/92	06:55	761
11/12/92	07:00	673
11/12/92	07:05	472
11/12/92	07:10	417
11/12/92	07:15	403
11/12/92	07:20	364
11/12/92	07:25	336
11/12/92	07:30	298
11/12/92	07:35	308
11/12/92	07:40	316
11/12/92	07:45	288
11/12/92	07:55	226
11/12/92	08:05	205
11/12/92	08:10	293
11/12/92	08:15	377
11/12/92	08:20	323
11/12/92	08:25	314
11/12/92	08:30	269
11/12/92	08:35	243
11/12/92	08:40	234
11/12/92	08:50	209
11/12/92	08:55	191
11/12/92	09:00	207
11/12/92	09:05	204
11/12/92	09:10	190
11/12/92	09:15	197
11/12/92	09:20	176
11/12/92	09:30	163
11/12/92	09:35	143
11/12/92	09:40	145
11/12/92	09:45	134
11/12/92	09:50	128
11/12/92	09:55	123
11/12/92	10:00	114
11/12/92	10:05	110
11/12/92	10:10	105
11/12/92	10:15	98
11/12/92	10:20	97
11/12/92	10:25	94
11/12/92	10:30	89
11/12/92	10:35	88
11/12/92	10:40	87
11/12/92	11:05	78
11/12/92	11:10	69
11/12/92	11:15	75
11/12/92	11:20	69
11/12/92	11:25	75
11/12/92	11:30	69
11/12/92	11:35	68
11/12/92	11:40	67
11/12/92	11:45	65
11/12/92	11:50	51
11/12/92	11:55	62
11/12/92	12:00	58
11/12/92	12:05	56
11/12/92	12:10	59
11/12/92	12:15	54
11/12/92	12:20	47
11/12/92	12:25	57
11/12/92	12:30	55
11/12/92	12:35	54
11/12/92	12:40	47
11/12/92	12:50	54
11/12/92	12:55	48
11/12/92	13:05	55
11/12/92	13:10	52
11/12/92	13:15	56
11/12/92	13:20	56
11/12/92	13:25	52
11/12/92	13:30	51
11/12/92	13:35	56
11/12/92	13:40	53
11/12/92	13:45	50
11/12/92	13:50	51
11/12/92	13:55	49
11/12/92	14:00	48
11/12/92	14:05	50
11/12/92	14:10	51
11/12/92	14:20	52
11/12/92	14:25	48
11/12/92	14:30	48
11/12/92	14:35	51
11/12/92	14:40	50
11/20/92	18:30	582
11/20/92	18:35	523
11/20/92	18:45	493
11/20/92	18:50	424
11/20/92	18:55	309
11/20/92	19:00	331
11/20/92	19:05	306
11/20/92	19:10	256
11/20/92	19:15	266
11/20/92	19:20	243
11/20/92	19:25	196
11/20/92	19:30	214
11/20/92	19:35	212
11/20/92	19:40	176
11/20/92	19:45	187
11/20/92	19:50	173
11/20/92	19:55	155
11/20/92	20:00	201
11/20/92	20:05	219
11/20/92	20:10	232
11/20/92	20:15	241
11/20/92	20:20	209
11/20/92	20:25	205
11/20/92	20:30	196
11/20/92	21:20	154
11/20/92	21:25	172
11/20/92	21:30	169
11/20/92	21:35	163
11/20/92	21:40	167
11/20/92	21:45	169
11/20/92	21:50	179
11/20/92	21:55	167
11/20/92	22:00	166
11/20/92	22:05	167
11/20/92	22:10	160
11/20/92	22:15	150
11/20/92	22:20	157
11/20/92	22:25	150
11/20/92	22:30	149
11/20/92	22:35	143
11/20/92	22:40	147
11/20/92	22:45	152
11/20/92	22:50	141
11/20/92	22:55	136
11/20/92	23:00	141
11/20/92	23:05	139
11/20/92	23:10	138
11/20/92	23:15	140
11/20/92	23:35	130
11/20/92	23:40	133
11/20/92	23:45	125
11/20/92	23:50	120
11/20/92	23:55	123
11/20/92	24:00	123
11/21/92	00:05	119
11/21/92	00:10	119
11/21/92	00:15	123
11/21/92	00:20	120
11/21/92	00:25	101
11/21/92	00:30	114
11/21/92	00:35	114
11/21/92	00:45	110
11/21/92	00:50	98
11/21/92	00:55	103
11/21/92	01:00	109
11/21/92	01:05	97
11/21/92	01:10	99
11/22/92	00:35	2,346
11/22/92	00:40	2,099
11/22/92	00:45	1,885
11/22/92	00:55	1,405
11/22/92	01:00	1,115
11/22/92	01:05	904
11/22/92	01:10	764
11/22/92	01:15	608
11/22/92	01:20	528
11/22/92	01:25	460
11/22/92	01:30	476
11/22/92	01:35	490
11/22/92	01:40	448
11/22/92	01:45	418
11/22/92	01:50	385
11/22/92	01:55	363
11/22/92	02:00	345
11/22/92	02:05	335
11/22/92	02:10	330
11/22/92	02:15	321
11/22/92	02:25	341
11/22/92	02:30	350
11/22/92	02:35	348
11/22/92	02:40	335
11/22/92	02:45	370
11/22/92	02:50	351
11/22/92	02:55	382

Table 10. Suspended-sediment 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]

Date	Time	Sediment, suspended (mg/L)	Date	Time	Sediment, suspended (mg/L)	Date	Time	Sediment, suspended (mg/L)	Date	Time	Sediment, suspended (mg/L)
11/22/92	03:00	327	12/09/92	15:20	376	02/21/93	10:45	370	03/30/93	22:05	150
11/22/92	03:05	336	12/09/92	15:25	382	02/21/93	10:50	351	03/30/93	22:10	169
11/22/92	03:10	329	12/09/92	15:30	350	02/21/93	10:55	347	03/30/93	22:15	175
11/22/92	03:15	305	12/09/92	15:35	350	02/21/93	11:00	340	03/30/93	22:20	178
11/22/92	03:20	238	12/09/92	15:40	334	02/21/93	11:05	340	03/30/93	22:25	181
11/22/92	03:25	270	12/09/92	18:15	357	02/21/93	11:10	320	03/30/93	22:30	168
11/22/92	03:30	263	12/09/92	18:20	248	02/21/93	11:15	329	03/30/93	22:35	168
11/22/92	03:35	260	12/09/92	18:25	238	02/21/93	11:20	296	03/30/93	22:40	199
11/22/92	03:40	288	12/09/92	18:30	240	02/21/93	11:25	296	03/30/93	22:45	195
11/22/92	03:45	267	12/09/92	18:35	253	02/21/93	11:30	307	03/30/93	23:00	180
11/22/92	03:50	229	12/09/92	18:40	256	02/21/93	11:35	294	03/30/93	23:05	202
11/22/92	03:55	211	12/09/92	18:45	235	02/21/93	11:40	280	03/30/93	23:10	211
11/22/92	04:00	170	12/09/92	18:50	256	02/21/93	11:45	265	03/30/93	23:15	203
11/22/92	04:05	181	12/09/92	18:55	254	02/21/93	11:50	285	03/30/93	23:20	202
11/22/92	04:10	170	12/09/92	19:00	270	02/21/93	11:55	255	03/30/93	23:25	203
11/22/92	04:15	155	12/09/92	19:05	293	02/21/93	12:00	270	03/30/93	23:30	232
11/22/92	04:20	150	12/09/92	19:10	311	02/21/93	12:05	269	03/30/93	23:35	255
11/22/92	05:25	146	12/09/92	19:15	324	02/21/93	12:10	266	03/30/93	23:40	284
11/22/92	05:30	152	12/09/92	19:20	307	02/21/93	12:15	265	03/30/93	23:45	272
11/22/92	05:35	129	12/09/92	19:25	296	02/21/93	12:20	256	03/30/93	23:50	315
11/22/92	05:40	154	12/09/92	19:30	306	02/21/93	12:25	258	03/30/93	23:55	325
11/22/92	05:45	163	12/09/92	19:35	307	02/21/93	12:30	223	03/30/93	24:00	319
11/22/92	05:50	151	12/09/92	19:40	316	02/21/93	12:35	229	03/31/93	00:05	321
11/22/92	05:55	136	12/09/92	19:45	328	02/21/93	12:40	235	03/31/93	00:10	293
11/22/92	06:00	148	12/09/92	19:50	321	02/21/93	12:45	239	03/31/93	00:15	289
11/22/92	06:05	146				02/21/93	12:50	219	03/31/93	00:20	289
11/22/92	06:10	142	02/21/93	07:00	3,336				03/31/93	00:25	283
11/22/92	06:15	135	02/21/93	07:05	2,763	03/30/93	17:05	902	03/31/93	00:30	265
11/22/92	06:20	134	02/21/93	07:10	2,383	03/30/93	17:15	943	03/31/93	00:35	245
11/22/92	06:25	131	02/21/93	07:15	2,167	03/30/93	17:20	876	03/31/93	00:40	223
11/22/92	06:30	194	02/21/93	07:20	1,991	03/30/93	17:25	856	03/31/93	00:45	211
11/22/92	06:35	134	02/21/93	07:25	1,730	03/30/93	17:30	813	03/31/93	00:50	209
11/22/92	06:40	130	02/21/93	07:30	1,598	03/30/93	17:35	748	03/31/93	00:55	187
11/22/92	06:45	25	02/21/93	07:35	1,518	03/30/93	17:40	730	03/31/93	01:00	179
11/22/92	06:50	124	02/21/93	07:40	1,426	03/30/93	17:45	685	03/31/93	01:05	188
11/22/92	06:55	126	02/21/93	07:45	1,326	03/30/93	17:50	613	03/31/93	01:10	177
11/22/92	07:00	126	02/21/93	07:50	1,269	03/30/93	17:55	573	03/31/93	01:15	173
11/22/92	07:05	126	02/21/93	07:55	1,178	03/30/93	18:00	521	03/31/93	01:20	178
11/22/92	07:10	124	02/21/93	08:00	1,159	03/30/93	18:05	513			
11/22/92	07:15	122	02/21/93	08:05	1,089	03/30/93	18:10	456	04/14/93	21:10	318
11/22/92	07:20	119	02/21/93	08:10	1,006	03/30/93	18:15	430	04/14/93	21:15	149
			02/21/93	08:15	979	03/30/93	18:20	385	04/14/93	21:20	132
12/09/92	13:55	807	02/21/93	08:20	962	03/30/93	18:25	369	04/14/93	21:25	199
12/09/92	14:00	725	02/21/93	08:25	882	03/30/93	18:30	342	04/14/93	21:30	1,058
12/09/92	14:05	492	02/21/93	08:30	842	03/30/93	18:35	341	04/14/93	21:35	3,890
12/09/92	14:10	480	02/21/93	08:35	786	03/30/93	18:40	300	04/14/93	21:40	3,681
12/09/92	14:15	462	02/21/93	08:40	740	03/30/93	18:45	287	04/14/93	21:45	2,248
12/09/92	14:20	457	02/21/93	08:45	717	03/30/93	19:05	238	04/14/93	21:50	1,801
12/09/92	14:25	454	02/21/93	08:50	676	03/30/93	21:05	159	04/14/93	21:55	1,711
12/09/92	14:30	442	02/21/93	08:55	640	03/30/93	21:10	141	04/14/93	22:00	1,560
12/09/92	14:35	423	02/21/93	09:05	584	03/30/93	21:20	149	04/14/93	22:05	1,408
12/09/92	14:40	399	02/21/93	10:05	437	03/30/93	21:25	168	04/14/93	22:10	1,187
12/09/92	14:45	429	02/21/93	10:10	426	03/30/93	21:30	159	04/14/93	22:15	990
12/09/92	14:50	406	02/21/93	10:15	419	03/30/93	21:35	156	04/14/93	22:20	849
12/09/92	14:55	391	02/21/93	10:20	379	03/30/93	21:40	152	04/14/93	22:25	787
12/09/92	15:00	405	02/21/93	10:25	388	03/30/93	21:45	170	04/14/93	22:30	711
12/09/92	15:05	366	02/21/93	10:30	353	03/30/93	21:50	169	04/14/93	22:35	681
12/09/92	15:10	389	02/21/93	10:35	366	03/30/93	21:55	176	04/14/93	22:40	645
12/09/92	15:15	358	02/21/93	10:40	360	03/30/93	22:00	182	04/14/93	22:45	581

Table 10. Suspended-sediment 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]

Date	Time	Sediment, suspended (mg/L)	Date	Time	Sediment, suspended (mg/L)	Date	Time	Sediment, suspended (mg/L)	Date	Time	Sediment, suspended (mg/L)
04/14/93	22:55	537	04/15/93	04:20	231	04/15/93	09:15	106	05/10/93	22:40	217
04/14/93	23:00	523	04/15/93	04:25	195	04/15/93	09:20	97	05/10/93	22:45	218
04/14/93	23:05	464	04/15/93	04:30	180	04/15/93	09:25	122	05/10/93	22:50	226
04/14/93	23:10	429	04/15/93	04:35	209	04/15/93	09:30	94	05/10/93	22:55	225
04/14/93	23:15	418	04/15/93	04:40	161	04/15/93	09:35	92	05/10/93	23:00	231
04/14/93	23:20	398	04/15/93	04:45	181	04/15/93	11:05	91	05/10/93	23:05	223
04/14/93	23:25	361	04/15/93	04:50	222	04/15/93	11:10	98	05/10/93	23:10	225
04/14/93	23:30	358	04/15/93	04:55	227	04/15/93	11:15	71	05/10/93	23:15	220
04/14/93	23:35	315	04/15/93	05:00	185	04/15/93	11:20	91	05/10/93	23:20	210
04/14/93	23:40	323	04/15/93	05:05	169	04/15/93	11:25	96	05/10/93	23:25	194
04/14/93	23:45	307	04/15/93	05:10	179	04/15/93	11:30	92	05/10/93	23:30	176
04/14/93	23:50	286	04/15/93	05:15	180	04/15/93	11:35	99	05/10/93	23:35	166
04/14/93	23:55	281	04/15/93	05:20	171	04/15/93	11:40	79	05/10/93	23:40	158
04/14/93	24:00	271	04/15/93	05:25	228	04/15/93	11:45	82	05/10/93	23:45	150
04/15/93	00:05	273	04/15/93	05:30	141	04/15/93	11:50	90	05/10/93	23:50	139
04/15/93	00:10	240	04/15/93	05:35	166	04/15/93	11:55	73	05/10/93	23:55	133
04/15/93	00:15	270	04/15/93	05:40	182	04/15/93	12:00	92	05/10/93	24:00	130
04/15/93	00:20	262	04/15/93	05:45	170	04/15/93	12:05	95	05/11/93	00:05	116
04/15/93	00:25	254	04/15/93	05:50	149	04/15/93	12:10	100			
04/15/93	00:30	247	04/15/93	05:55	146	04/15/93	12:15	100	05/18/93	17:50	90
04/15/93	00:35	269	04/15/93	06:00	149	04/15/93	12:20	96	05/18/93	17:55	197
04/15/93	00:40	275	04/15/93	06:05	139	04/15/93	12:25	76	05/18/93	18:00	1,702
04/15/93	00:45	234	04/15/93	06:10	116	04/15/93	12:30	84	05/18/93	18:05	2,227
04/15/93	00:50	224	04/15/93	06:15	123	04/15/93	12:35	97	05/18/93	18:10	2,319
04/15/93	00:55	221	04/15/93	06:20	138	04/15/93	12:40	96	05/18/93	18:15	2,866
04/15/93	01:00	196	04/15/93	06:25	128	04/15/93	12:45	83	05/18/93	18:20	2,449
04/15/93	01:05	188	04/15/93	06:30	116	04/15/93	12:50	85	05/18/93	18:25	2,240
04/15/93	01:20	505	04/15/93	06:35	141	04/15/93	12:55	92	05/18/93	18:30	2,046
04/15/93	01:25	543	04/15/93	06:40	141	04/15/93	13:00	78	05/18/93	18:35	2,064
04/15/93	01:30	468	04/15/93	06:45	139				05/18/93	18:40	1,986
04/15/93	01:35	516	04/15/93	06:50	140	04/21/93	12:05	33	05/18/93	18:45	1,867
04/15/93	01:40	500	04/15/93	06:55	126				05/18/93	18:50	48
04/15/93	01:45	454	04/15/93	07:00	148	05/10/93	19:05	315	05/18/93	19:10	564
04/15/93	01:50	508	04/15/93	07:05	126	05/10/93	19:10	262	05/18/93	19:15	470
04/15/93	01:55	475	04/15/93	07:10	137	05/10/93	19:15	237	05/18/93	19:20	526
04/15/93	02:00	470	04/15/93	07:15	135	05/10/93	19:20	247	05/18/93	19:25	577
04/15/93	02:05	506	04/15/93	07:20	132	05/10/93	19:25	232	05/18/93	19:30	598
04/15/93	02:10	529	04/15/93	07:25	107	05/10/93	19:30	219	05/18/93	19:35	602
04/15/93	02:15	518	04/15/93	07:30	125	05/10/93	19:35	206	05/18/93	19:40	599
04/15/93	02:20	525	04/15/93	07:35	147	05/10/93	19:40	200	05/18/93	19:45	644
04/15/93	02:25	478	04/15/93	07:40	120	05/10/93	19:45	157	05/18/93	19:50	628
04/15/93	02:30	509	04/15/93	07:45	91	05/10/93	19:50	150	05/18/93	19:55	594
04/15/93	02:35	478	04/15/93	07:50	130	05/10/93	19:55	128	05/18/93	20:00	530
04/15/93	02:40	411	04/15/93	07:55	103	05/10/93	20:00	115	05/18/93	20:05	466
04/15/93	02:45	475	04/15/93	08:00	112	05/10/93	20:05	648	05/18/93	20:10	437
04/15/93	02:50	443	04/15/93	08:05	123	05/10/93	20:10	507	05/18/93	20:15	401
04/15/93	02:55	485	04/15/93	08:10	112	05/10/93	20:15	358	05/18/93	20:20	363
04/15/93	03:00	161	04/15/93	08:15	96	05/10/93	20:20	261	05/18/93	20:25	340
04/15/93	03:05	160	04/15/93	08:20	102	05/10/93	20:25	234	05/18/93	20:30	326
04/15/93	03:10	156	04/15/93	08:25	109	05/10/93	20:30	191	05/18/93	20:35	302
04/15/93	03:15	142	04/15/93	08:30	143	05/10/93	20:35	173	05/18/93	20:40	275
04/15/93	03:40	148	04/15/93	08:35	109	05/10/93	20:40	161	05/18/93	20:45	292
04/15/93	03:45	121	04/15/93	08:40	124	05/10/93	20:45	152	05/18/93	20:50	256
04/15/93	03:50	143	04/15/93	08:45	103	05/10/93	22:10	244	05/18/93	20:55	250
04/15/93	03:55	133	04/15/93	08:50	104	05/10/93	22:15	247	05/18/93	21:00	239
04/15/93	04:00	143	04/15/93	08:55	110	05/10/93	22:20	236	05/18/93	21:05	219
04/15/93	04:05	153	04/15/93	09:00	107	05/10/93	22:25	229	05/18/93	21:25	231
04/15/93	04:10	157	04/15/93	09:05	106	05/10/93	22:30	231	05/18/93	21:30	208
04/15/93	04:15	163	04/15/93	09:10	121	05/10/93	22:35	225	05/18/93	21:35	266

Table 10. Suspended-sediment 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]

Date	Time	Sediment, suspended (mg/L)
05/18/93	21:40	256
05/18/93	21:45	239
05/18/93	21:50	241
05/18/93	21:55	237
05/18/93	22:00	230
05/18/93	22:05	228
05/18/93	22:10	212
05/18/93	22:15	228
05/18/93	22:20	202
05/18/93	22:25	188
05/18/93	22:30	200
05/18/93	22:35	183
05/18/93	22:40	195
05/18/93	22:45	189
05/18/93	22:50	188
05/18/93	22:55	170
05/18/93	23:00	166
05/18/93	23:05	172
05/18/93	23:10	166
05/18/93	23:15	164
05/18/93	23:20	154
05/18/93	24:00	138
05/19/93	00:15	131
05/19/93	00:30	124
05/19/93	00:45	121
05/19/93	01:00	110
05/19/93	01:15	110
05/19/93	01:30	106
05/19/93	01:45	103
05/19/93	02:00	104
05/19/93	02:15	106
05/19/93	02:30	104
05/19/93	02:45	91
05/19/93	03:00	88
05/19/93	03:15	92
05/19/93	03:30	85
05/19/93	03:45	76
05/19/93	04:00	76
05/19/93	04:15	83
05/19/93	04:30	77
05/19/93	04:45	72
06/25/93	14:45	1,278
06/25/93	14:50	1,191
06/25/93	14:55	1,127
06/25/93	15:00	1,027
06/25/93	15:05	922
06/25/93	15:10	1,298
06/25/93	15:15	944
06/25/93	15:20	799
06/25/93	15:25	971
06/25/93	15:30	1,464
06/25/93	15:35	1,914
06/25/93	15:40	2,245
06/25/93	15:45	2,440
06/25/93	15:50	267
06/25/93	15:55	2,310
06/25/93	16:00	2,416
06/25/93	16:05	1,388
06/25/93	16:10	2,372
06/25/93	16:15	2,172
06/25/93	16:20	2,162
06/25/93	16:25	2,104
06/25/93	16:30	3,009
06/25/93	16:35	1,945
06/25/93	16:40	1,820
06/25/93	16:45	1,738
06/25/93	16:50	1,659
06/25/93	16:55	1,568
06/25/93	17:00	1,463
06/25/93	17:05	1,328
06/25/93	17:10	1,328
06/25/93	17:15	1,261
06/25/93	17:20	1,161
06/25/93	17:25	1,112
06/25/93	17:30	1,047
06/25/93	17:35	1,027
06/25/93	17:40	957
06/25/93	17:45	838
06/25/93	17:50	835
06/25/93	17:55	823
06/25/93	18:00	781
06/25/93	18:05	759
06/25/93	18:10	735
06/25/93	18:15	622
06/25/93	18:20	500
06/25/93	18:25	612
06/25/93	18:30	610
06/25/93	18:35	657
06/25/93	21:30	1,371
08/02/93	03:50	1,259
08/02/93	03:55	1,111
08/02/93	04:00	954
08/02/93	04:05	815
08/02/93	05:50	281
08/02/93	05:55	230
08/02/93	06:00	220
08/02/93	06:05	219
08/02/93	06:10	223
08/02/93	06:15	214
08/02/93	06:20	208
08/02/93	06:25	190
08/02/93	06:30	201
08/02/93	06:35	158
08/02/93	06:40	195
08/02/93	06:45	190
08/02/93	06:50	184
08/02/93	06:55	186
08/02/93	07:00	179
08/02/93	07:05	184
08/02/93	07:10	184
08/02/93	07:15	183
08/02/93	07:20	172
08/02/93	07:25	177
08/02/93	11:00	136
08/02/93	11:05	134
08/02/93	11:10	147
08/02/93	11:15	145
08/05/93	19:50	639
08/05/93	19:55	645
08/05/93	20:00	635
08/05/93	20:05	600
08/05/93	20:10	607
08/05/93	20:15	706
08/05/93	20:20	647
08/05/93	20:25	549
08/05/93	20:30	498
08/05/93	20:35	508
08/05/93	20:40	594
08/05/93	20:45	699
08/05/93	20:50	842
08/05/93	20:55	978
08/05/93	21:00	1,084
08/05/93	21:05	1,172
08/05/93	21:10	1,198
08/05/93	21:15	1,247
08/05/93	21:20	1,330
08/05/93	21:25	1,329
08/05/93	21:30	1,371
08/05/93	21:35	1,340
08/05/93	21:40	1,280
08/05/93	21:45	1,106
06/06/95	14:50	332
06/06/95	15:10	923
06/06/95	15:30	2,690
06/06/95	15:50	2,350
06/06/95	16:10	3,310
06/06/95	17:40	1,861
06/06/95	17:50	1,655
06/06/95	18:00	1,510
06/06/95	18:10	1,348
06/06/95	18:20	1,236
06/06/95	18:30	1,096
06/06/95	18:40	921
06/06/95	18:50	741
06/06/95	19:00	643
06/06/95	19:20	516
06/06/95	19:40	410
06/11/95	08:25	1,892
06/11/95	08:35	2,818
06/11/95	08:45	2,124
06/11/95	08:55	1,471
06/11/95	09:05	1,095
06/11/95	09:15	837
06/11/95	09:25	693
06/21/95	07:30	1,903
06/21/95	07:40	2,931
06/21/95	07:50	3,087
06/21/95	08:00	2,249
06/21/95	08:10	1,595
06/21/95	08:20	1,197
06/21/95	08:30	984
06/21/95	08:40	882
06/21/95	08:50	796
06/21/95	09:00	705
06/25/95	17:20	3,145
06/25/95	17:30	3,652
06/25/95	17:40	3,518
06/25/95	17:50	2,487
06/25/95	18:00	2,008
06/25/95	18:20	1,399
06/25/95	18:40	972
06/25/95	19:00	694
06/25/95	19:20	516
06/25/95	19:40	430
06/25/95	20:00	399

Table 11. Pesticide data for water samples collected in the Beaver Creek watershed, 1990

[rec., recoverable; µg/L, micrograms per liter; <, less than; --, no data]

Station	Date	Ending date	Time	Ending time	Ametryne, total rec. (µg/L)	Atrazine, total rec. (µg/L)	Cyanazine, total rec. (µg/L)	Prometone, total rec. (µg/L)	Prometryne, total rec. (µg/L)	Propazine, total rec. (µg/L)
07030241	05/19/90	05/20/90	17:45	03:35	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030241	06/14/90	06/14/90	17:30	18:00	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
07030241	06/22/90	06/22/90	01:30	02:15	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
07030241	07/11/90	07/11/90	02:35	02:45	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
07030241	10/03/90	10/04/90	20:30	02:30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	05/19/90	05/20/90	18:05	04:50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	06/14/90	06/14/90	13:45	18:35	<0.1	0.6	<0.1	<0.1	<0.1	<0.1
07030242	06/22/90	06/22/90	01:50	07:25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	06/27/90	--	09:15	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	06/28/90	--	12:50	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	07/11/90	07/11/90	22:25	23:10	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
07030242	10/03/90	10/04/90	21:15	03:30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
070302481	05/19/90	05/19/90	17:45	18:35	--	--	--	--	--	--
070302481	06/09/90	06/09/90	15:20	15:40	--	--	--	--	--	--
070302481	06/14/90	06/14/90	13:15	13:55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
070302481	06/22/90	06/22/90	02:00	07:40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
070302481	07/11/90	07/11/90	21:55	22:30	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
070302481	10/03/90	10/04/90	19:40	02:05	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
07030249	05/19/90	05/20/90	18:05	07:40	<0.1	8.0	<0.1	<0.1	<0.1	0.1
07030249	06/22/90	06/22/90	02:20	09:45	<0.1	16.0	<0.1	<0.1	<0.1	0.2
07030249	10/03/90	10/04/90	20:30	08:30	<0.1	0.2	<0.1	<0.1	1.4	<0.1
07030249	10/19/90	--	11:00	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table 11. Pesticide data for water samples collected in the Beaver Creek watershed, 1990--Continued

[rec., recoverable; µg/L, micrograms per liter; <, less than; --, no data]

Station	Date	Ending date	Time	Ending time	Simazine, total rec. (µg/L)	Simetryne, total rec. (µg/L)	Alachlor, total rec. (µg/L)	Metolachlor, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Metribuzin, total rec. (µg/L)
07030241	05/19/90	05/20/90	17:45	03:35	<0.1	<0.1	<0.1	<0.1	3.2	<0.1
07030241	06/14/90	06/14/90	17:30	18:00	<0.1	<0.1	<0.1	<0.1	1.0	<0.1
07030241	06/22/90	06/22/90	01:30	02:15	<0.1	<0.1	0.1	<0.1	1.6	<0.1
07030241	07/11/90	07/11/90	02:35	02:45	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
07030241	10/03/90	10/04/90	20:30	02:30	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
07030242	05/19/90	05/20/90	18:05	04:50	<0.1	<0.1	<0.1	37.0	<0.1	<0.1
07030242	06/14/90	06/14/90	13:45	18:35	<0.1	<0.1	<0.1	11.0	0.1	<0.1
07030242	06/22/90	06/22/90	01:50	07:25	<0.1	<0.1	<0.1	1.9	0.2	5.1
07030242	06/27/90	--	09:15	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	06/28/90	--	12:50	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030242	07/11/90	07/11/90	22:25	23:10	<0.1	<0.1	<0.1	0.3	<0.1	1.2
07030242	10/03/90	10/04/90	21:15	03:30	<0.1	<0.1	<0.1	0.5	<0.1	1.2
070302481	05/19/90	05/19/90	17:45	18:35	--	--	--	--	--	--
070302481	06/09/90	06/09/90	15:20	15:40	--	--	--	--	--	--
070302481	06/14/90	06/14/90	13:15	13:55	<0.1	<0.1	<0.1	<0.1	0.1	1.7
070302481	06/22/90	06/22/90	02:00	07:40	<0.1	<0.1	0.1	<0.1	<0.1	0.2
070302481	07/11/90	07/11/90	21:55	22:30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
070302481	10/03/90	10/04/90	19:40	02:05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
07030249	05/19/90	05/20/90	18:05	07:40	<0.1	<0.1	<0.1	1.1	<0.1	<0.1
07030249	06/22/90	06/22/90	02:20	09:45	0.1	<0.1	<0.1	11.0	<0.1	<0.1
07030249	10/03/90	10/04/90	20:30	08:30	<0.1	<0.1	<0.1	0.4	<0.1	<0.1
07030249	10/19/90	--	11:00	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table 11. Pesticide data for water samples collected in the Beaver Creek watershed, 1990--Continued

[rec., recoverable; µg/L, micrograms per liter; <, less than; --, no data]

Station	Date	Ending date	Time	Ending time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Carbaryl total rec. (µg/L)	Methomyl, total rec. (µg/L)	Propham, total rec. (µg/L)
07030241	05/19/90	05/20/90	17:45	03:35	5.1	2.0	1.0	<0.5	<0.5	<0.5
07030241	06/14/90	06/14/90	17:30	18:00	<0.5	<0.5	1.1	<0.5	<0.5	<0.5
07030241	06/22/90	06/22/90	01:30	02:15	<0.5	<0.5	0.7	<0.5	<0.5	<0.5
07030241	07/11/90	07/11/90	02:35	02:45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030241	10/03/90	10/04/90	20:30	02:30	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030242	05/19/90	05/20/90	18:05	04:50	1.5	2.6	1.0	<0.5	<0.5	<0.5
07030242	06/14/90	06/14/90	13:45	18:35	<0.5	<0.5	1.2	<0.5	<0.5	<0.5
07030242	06/22/90	06/22/90	01:50	07:25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030242	06/27/90	--	09:15	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030242	06/28/90	--	12:50	--	--	--	--	<0.5	<0.5	<0.5
07030242	07/11/90	07/11/90	22:25	23:10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030242	10/03/90	10/04/90	21:15	03:30	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
070302481	05/19/90	05/19/90	17:45	18:35	--	--	--	<0.5	<0.5	<0.5
070302481	06/09/90	06/09/90	15:20	15:40	--	--	--	<0.5	<0.5	<0.5
070302481	06/14/90	06/14/90	13:15	13:55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
070302481	06/22/90	06/22/90	02:00	07:40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
070302481	07/11/90	07/11/90	21:55	22:30	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
070302481	10/03/90	10/04/90	19:40	02:05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030249	05/19/90	05/20/90	18:05	07:40	--	--	--	<0.5	<0.5	<0.5
07030249	06/22/90	06/22/90	02:20	09:45	<0.5	<0.5	2.9	<0.5	<0.5	<0.5
07030249	10/03/90	10/04/90	20:30	08:30	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
07030249	10/19/90	--	11:00	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 11. Pesticide data for water samples collected in the Beaver Creek watershed, 1990--Continued

[rec., recoverable; µg/L, micrograms per liter; <, less than; --, no data]

Station	Date	Ending date	Time	Ending time	3-Hydroxy-carbo-furan, total rec. (µg/L)	Oxa-myl, total rec. (µg/L)	1-Naph thol, total rec. (µg/L)	Carbo-furan, total rec. (µg/L)	Fluom-eturon, total rec. (µg/L)
07030241	05/19/90	05/20/90	17:45	03:35	--	--	--	--	150.0
07030241	06/14/90	06/14/90	17:30	18:00	<0.5	<0.5	<0.5	<0.5	18.0
07030241	06/22/90	06/22/90	01:30	02:15	<0.5	<0.5	<0.5	<0.5	--
07030241	07/11/90	07/11/90	02:35	02:45	<0.5	<0.5	<0.5	<0.5	--
07030241	10/03/90	10/04/90	20:30	02:30	<0.5	<0.5	<0.5	<0.5	--
07030242	05/19/90	05/20/90	18:05	04:50	--	--	--	--	56.3
07030242	06/14/90	06/14/90	13:45	18:35	<0.5	<0.5	<0.5	<0.5	9.1
07030242	06/22/90	06/22/90	01:50	07:25	<0.5	<0.5	<0.5	<0.5	--
07030242	06/27/90	--	09:15	--	<0.5	<0.5	<0.5	<0.5	--
07030242	06/28/90	--	12:50	--	--	--	--	--	--
07030242	07/11/90	07/11/90	22:25	23:10	<0.5	<0.5	<0.5	<0.5	--
07030242	10/03/90	10/04/90	21:15	03:30	<0.5	<0.5	<0.5	<0.5	--
070302481	05/19/90	05/19/90	17:45	18:35	--	--	--	--	--
070302481	06/09/90	06/09/90	15:20	15:40	--	--	--	--	--
070302481	06/14/90	06/14/90	13:15	13:55	<0.5	<0.5	<0.5	<0.5	--
070302481	06/22/90	06/22/90	02:00	07:40	<0.5	<0.5	<0.5	<0.5	--
070302481	07/11/90	07/11/90	21:55	22:30	<0.5	<0.5	<0.5	<0.5	--
070302481	10/03/90	10/04/90	19:40	02:05	<0.5	<0.5	<0.5	<0.5	--
07030249	05/19/90	05/20/90	18:05	07:40	<0.5	--	--	--	--
07030249	06/22/90	06/22/90	02:20	09:45	<0.5	<0.5	<0.5	<0.5	--
07030249	10/03/90	10/04/90	20:30	08:30	<0.5	<0.5	<0.5	<0.5	--
07030249	10/19/90	--	11:00	--	<0.5	<0.5	<0.5	<0.5	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030241	05/25/91	09:35	<0.3	8.0	6.4	--	--	--
07030241	05/25/91	09:40	<0.3	2.6	1.6	--	--	--
07030241	05/25/91	09:45	<0.3	9.0	5.7	--	--	--
07030241	05/25/91	09:50	<0.3	1.8	1.1	--	--	--
07030241	05/25/91	09:55	<0.3	1.7	2.2	--	--	--
07030241	05/25/91	10:00	<0.3	3.0	2.1	--	--	--
07030241	05/25/91	10:15	<0.3	1.5	0.8	--	--	--
07030241	05/25/91	10:30	<0.3	<0.3	0.5	--	--	--
07030241	05/25/91	10:45	<0.3	0.7	0.9	--	--	--
07030241	05/25/91	11:00	<0.3	1.2	0.8	--	--	--
07030241	05/25/91	11:15	<0.3	1.8	1.0	--	--	--
07030241	06/22/91	15:10	<0.3	<0.3	1.7	--	--	--
07030241	06/22/91	15:15	<0.3	<0.3	<0.3	--	--	--
07030241	06/22/91	15:20	<0.3	<0.3	<0.3	--	--	--
07030241	06/22/91	15:25	<0.3	<0.3	<0.3	--	--	--
07030241	06/22/91	15:30	<0.3	<0.3	<0.3	--	--	--
07030241	06/22/91	15:35	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	20:10	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	20:15	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	20:20	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	20:25	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	20:30	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	20:35	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	21:05	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	21:20	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	21:25	<0.3	<0.3	<0.3	--	--	--
07030241	06/23/91	23:00	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	02:25	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	02:30	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	02:35	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	02:40	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	02:45	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	02:50	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	03:05	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	03:20	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	03:35	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	04:05	<0.3	<0.3	<0.3	--	--	--
07030241	08/09/91	04:20	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	12:45	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	13:00	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	13:30	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	14:30	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	14:45	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	16:30	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	16:45	<0.3	<0.3	<0.3	--	--	--
07030241	08/28/91	17:15	<0.3	<0.3	<0.3	--	--	--
07030241	10/29/91	23:45	<0.3	<0.3	<0.3	--	--	--
07030241	10/29/91	24:00	<0.3	<0.3	<0.3	--	--	--
07030241	10/30/91	00:15	<0.3	<0.3	<0.3	--	--	--
07030241	10/30/91	00:30	<0.3	<0.3	<0.3	--	--	--
07030241	06/26/92	01:55	<0.7	0.9	<0.7	--	--	--
07030241	06/26/92	02:00	<0.7	0.9	2.2	--	--	--
07030241	06/26/92	03:10	<0.7	1.1	<0.7	--	--	--
07030241	06/26/92	03:15	<0.7	<0.7	1.1	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030241	06/26/92	03:25	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	03:50	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	03:55	< 1.1	< 1.1	< 1.1	--	--	--
07030241	07/17/92	04:00	< 1.0	< 1.0	< 1.0	--	--	--
07030241	07/17/92	04:05	< 1.1	< 1.1	< 1.1	--	--	--
07030241	07/17/92	04:10	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	04:15	< 1.1	< 1.1	< 1.1	--	--	--
07030241	07/17/92	04:20	< 1.1	< 1.1	< 1.1	--	--	--
07030241	07/17/92	04:25	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	04:30	< 1.0	< 1.0	< 1.0	--	--	--
07030241	07/17/92	04:35	< 1.1	< 1.1	< 1.1	--	--	--
07030241	07/17/92	04:40	< 1.1	< 1.1	< 1.1	--	--	--
07030241	07/17/92	04:45	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	04:50	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	04:55	< 1.2	< 1.2	< 1.2	--	--	--
07030241	07/17/92	05:00	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:05	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:10	< 1.2	< 1.2	< 1.2	--	--	--
07030241	07/17/92	05:15	< 1.0	< 1.0	< 1.0	--	--	--
07030241	07/17/92	05:20	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:25	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:30	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:35	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:40	<0.7	<0.7	<0.7	--	--	--
07030241	07/17/92	05:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	02:30	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	02:35	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	02:40	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	02:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	02:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	02:55	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:00	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:05	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:10	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:15	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:20	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:25	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:30	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:35	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:40	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	03:55	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:00	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:05	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:10	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:15	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:20	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:25	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	04:55	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:00	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:05	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:10	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:15	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:20	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:30	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:35	<0.7	<0.7	<0.7	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030241	09/22/92	05:40	<0.7	<0.7	<0.7	--	--	--
07030241	09/22/92	05:45	<0.7	<0.7	<0.7	--	--	--
07030241	06/24/93	17:10	<0.7	3.4	1.6	--	--	--
07030241	06/24/93	17:15	<0.7	2.9	1.9	--	--	--
07030241	06/24/93	17:20	<0.7	1.9	1.4	--	--	--
07030241	06/24/93	17:25	<0.7	3.5	1.4	--	--	--
07030241	06/24/93	17:30	<0.7	<0.7	<0.7	--	--	--
07030241	06/24/93	17:35	<0.7	3.4	1.9	--	--	--
07030241	06/24/93	17:40	<0.7	2.2	<0.7	--	--	--
07030241	06/24/93	17:45	<0.7	2.6	1.1	--	--	--
07030241	06/24/93	17:50	<0.7	<0.7	<0.7	--	--	--
07030241	06/24/93	17:55	<0.7	3.6	2.2	--	--	--
07030241	06/24/93	18:00	<0.7	1.5	<0.7	--	--	--
07030241	06/24/93	18:05	<0.7	1.9	1.4	--	--	--
07030241	06/24/93	18:10	<0.7	2.2	1.1	--	--	--
07030241	06/24/93	18:15	<0.7	1.9	1.2	--	--	--
07030241	06/24/93	18:20	<0.7	2.5	1.7	--	--	--
07030241	06/24/93	18:25	<0.7	1.8	0.9	--	--	--
07030241	06/24/93	18:30	<0.7	1.5	1.4	--	--	--
07030241	06/24/93	18:35	<0.7	2.0	1.4	--	--	--
07030241	06/24/93	18:40	<0.7	3.2	1.6	--	--	--
07030241	06/24/93	18:45	<0.7	1.9	1.4	--	--	--
07030241	06/24/93	18:50	<0.7	1.6	1.1	--	--	--
07030241	06/24/93	18:55	<0.7	1.5	1.2	--	--	--
07030241	06/24/93	19:00	<0.7	2.3	1.6	--	--	--
07030241	06/24/93	19:05	<0.7	2.1	1.1	--	--	--
07030241	06/24/93	19:10	<0.7	2.1	1.5	--	--	--
07030241	06/24/93	19:15	<0.7	2.2	1.1	--	--	--
07030241	06/24/93	19:20	<0.7	1.8	0.7	--	--	--
07030241	06/24/93	19:25	<0.7	2.6	1.5	--	--	--
07030241	06/24/93	19:30	<0.7	1.6	1.0	--	--	--
07030241	06/24/93	19:35	<0.7	1.9	0.7	--	--	--
07030241	06/24/93	19:40	<0.7	1.7	1.7	--	--	--
07030241	06/24/93	19:45	<0.7	1.9	1.7	--	--	--
07030241	06/24/93	19:50	<0.7	2.2	1.4	--	--	--
07030241	06/24/93	19:55	<0.7	1.9	1.4	--	--	--
07030241	06/24/93	20:00	<0.7	1.0	2.0	--	--	--
07030241	06/24/93	20:05	<0.7	2.0	1.2	--	--	--
07030241	06/24/93	20:10	<0.7	2.1	2.2	--	--	--
07030241	06/24/93	20:15	<0.7	1.0	1.0	--	--	--
07030241	06/24/93	20:20	<0.7	2.6	1.3	--	--	--
07030241	06/24/93	20:25	<0.7	1.5	1.3	--	--	--
07030241	06/24/93	20:30	<0.7	1.2	1.3	--	--	--
07030241	08/02/93	00:45	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	00:50	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	00:55	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:00	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:05	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:10	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:15	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:20	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:25	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:30	<0.7	<0.7	1.1	--	--	--
07030241	08/02/93	01:35	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:40	<0.7	1.1	0.7	--	--	--
07030241	08/02/93	01:45	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:50	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	01:55	<0.7	<0.7	0.8	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030241	08/02/93	02:00	<0.7	<0.7	1.5	--	--	--
07030241	08/02/93	02:05	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:10	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:15	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:20	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:25	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:30	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:35	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	02:40	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	03:35	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	03:40	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	03:45	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	03:50	<0.7	<0.7	0.8	--	--	--
07030241	08/02/93	03:55	<0.7	<0.7	0.9	--	--	--
07030241	08/02/93	04:00	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:05	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:10	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:15	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:20	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:25	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:30	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:35	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:40	<0.7	<0.7	<0.7	--	--	--
07030241	08/02/93	04:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	14:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:00	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:05	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:10	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:15	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:20	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:25	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:30	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:35	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:40	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	15:55	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:00	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:05	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:10	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:15	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:20	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:25	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:30	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:35	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:40	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/23/93	16:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:15	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:20	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:35	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:40	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:45	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:50	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	22:55	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	23:00	<0.7	<0.7	<0.7	--	--	--
07030241	09/24/93	23:45	<0.7	<0.7	<0.7	--	--	--
07030242	05/25/91	10:00	<0.3	<0.3	<0.3	--	--	--

Table 12. *Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued*

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Triflur-alin, total rec. (µg/L)	Fluom-eturon, total rec. (µg/L)	Metola-chlor, total rec. (µg/L)
07030242	05/25/91	10:05	<0.3	<0.3	<0.3	--	--	--
07030242	05/25/91	10:20	<0.3	<0.3	<0.3	--	--	--
07030242	05/25/91	10:35	<0.3	<0.3	<0.3	--	--	--
07030242	05/25/91	11:35	<0.3	<0.3	<0.3	--	--	--
07030242	05/28/91	14:25	<0.3	<0.3	<0.3	--	--	--
07030242	08/02/93	04:15	--	--	--	--	--	3.2
07030242	08/02/93	04:20	--	--	--	--	--	3.1
07030242	08/02/93	04:25	--	--	--	--	--	3.5
07030242	08/02/93	04:30	--	--	--	--	--	3.0
07030242	08/02/93	04:35	--	--	--	--	--	3.0
07030242	08/02/93	04:40	--	--	--	--	--	2.2
07030242	08/02/93	04:45	--	--	--	--	--	2.8
07030242	08/02/93	04:50	--	--	--	--	--	2.0
07030242	08/02/93	04:55	--	--	--	--	--	3.1
07030242	08/02/93	05:00	--	--	--	--	--	3.0
07030242	08/02/93	05:05	--	--	--	--	--	2.9
07030242	08/02/93	05:10	--	--	--	--	--	1.9
07030242	08/02/93	05:15	--	--	--	--	--	2.0
07030242	08/02/93	05:20	--	--	--	--	--	2.6
07030242	08/02/93	05:25	--	--	--	--	--	2.9
07030242	08/02/93	05:30	--	--	--	--	--	1.7
07030242	08/02/93	05:35	--	--	--	--	--	2.4
07030242	08/02/93	05:40	--	--	--	--	--	1.6
07030242	08/02/93	05:45	--	--	--	--	--	1.4
07030242	09/24/93	20:25	--	--	--	--	--	<0.7
07030242	09/24/93	20:30	--	--	--	--	--	<0.7
07030242	09/24/93	20:35	--	--	--	--	--	<0.7
07030242	09/24/93	20:40	--	--	--	--	--	<0.7
07030242	09/24/93	20:45	--	--	--	--	--	<0.7
07030242	09/24/93	20:50	--	--	--	--	--	<0.7
07030242	09/24/93	20:55	--	--	--	--	--	<0.7
07030242	09/24/93	21:00	--	--	--	--	--	<0.7
07030242	09/24/93	21:05	--	--	--	--	--	<0.7
07030242	09/24/93	21:10	--	--	--	--	--	<0.7
07030242	09/24/93	21:15	--	--	--	--	--	<0.7
07030242	09/24/93	21:20	--	--	--	--	--	<0.7
07030242	09/24/93	21:25	--	--	--	--	--	<0.7
07030242	09/24/93	21:30	--	--	--	--	--	<0.7
07030242	09/24/93	21:35	--	--	--	--	--	<0.7
07030242	09/24/93	21:40	--	--	--	--	--	<0.7
07030242	09/24/93	21:45	--	--	--	--	--	<0.7
07030242	09/24/93	21:50	--	--	--	--	--	<0.7
07030242	09/24/93	21:55	--	--	--	--	--	<0.7
07030242	09/24/93	22:00	--	--	--	--	--	<0.7
07030242	09/24/93	22:05	--	--	--	--	--	<0.7
07030242	09/24/93	22:10	--	--	--	--	--	<0.7
07030242	09/24/93	22:15	--	--	--	--	--	<0.7
07030242	09/24/93	22:20	--	--	--	--	--	<0.7
07030242	09/24/93	22:25	--	--	--	--	--	<0.7
07030242	09/24/93	22:30	--	--	--	--	--	<0.7
07030242	09/24/93	22:35	--	--	--	--	--	<0.7
07030242	09/24/93	22:40	--	--	--	--	--	<0.7
07030242	09/24/93	22:45	--	--	--	--	--	1.2
07030242	09/24/93	22:50	--	--	--	--	--	<0.7
07030242	09/24/93	22:55	--	--	--	--	--	<0.7
07030242	09/24/93	23:00	--	--	--	--	--	<0.7
07030242	09/24/93	23:05	--	--	--	--	--	<0.7

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Triflur-alin, total rec. (µg/L)	Fluom-eturon, total rec. (µg/L)	Metola-chlor, total rec. (µg/L)
07030242	09/24/93	23:10	--	--	--	--	--	0.7
07030242	09/24/93	23:15	--	--	--	--	--	<0.7
07030242	09/24/93	23:20	--	--	--	--	--	<0.7
07030242	09/24/93	23:25	--	--	--	--	--	<0.7
07030242	09/24/93	23:30	--	--	--	--	--	<0.7
07030242	09/24/93	23:35	--	--	--	--	--	<0.7
07030242	09/24/93	23:40	--	--	--	--	--	<0.7
07030242	09/24/93	23:45	--	--	--	--	--	<0.7
07030242	09/24/93	23:50	--	--	--	--	--	<0.7
07030242	09/24/93	23:55	--	--	--	--	--	<0.7
07030242	09/24/93	24:00	--	--	--	--	--	<0.7
07030242	09/25/93	00:05	--	--	--	--	--	<0.7
07030242	09/25/93	00:15	--	--	--	--	--	<0.7
07030242	09/25/93	00:20	--	--	--	--	--	<0.7
07030242	09/25/93	00:25	--	--	--	--	--	<0.7
070302481	08/02/93	01:10	--	--	--	<0.1	<1.3	--
070302481	08/02/93	01:15	--	--	--	<0.1	<1.3	--
070302481	08/02/93	01:25	--	--	--	<0.1	2.1	--
070302481	08/02/93	01:30	--	--	--	<0.1	1.5	--
070302481	08/02/93	01:35	--	--	--	<0.1	<1.3	--
070302481	08/02/93	01:40	--	--	--	<0.1	<1.3	--
070302481	08/02/93	01:45	--	--	--	<0.1	<1.3	--
070302481	08/02/93	01:55	--	--	--	<0.1	<1.3	--
070302481	08/02/93	02:00	--	--	--	<0.1	<1.3	--
070302481	08/02/93	02:05	--	--	--	<0.1	1.7	--
070302481	08/02/93	02:10	--	--	--	<0.1	1.5	--
070302481	08/02/93	02:25	--	--	--	<0.1	1.8	--
070302481	08/02/93	02:30	--	--	--	<0.1	<1.3	--
070302481	08/02/93	02:35	--	--	--	<0.1	1.5	--
070302481	08/02/93	02:40	--	--	--	<0.1	2.9	--
070302481	08/02/93	02:45	--	--	--	<0.1	2.1	--
070302481	08/02/93	02:50	--	--	--	<0.1	<1.3	--
070302481	08/02/93	02:55	--	--	--	<0.1	1.9	--
070302481	08/02/93	03:00	--	--	--	<0.1	2.4	--
070302481	08/02/93	03:05	--	--	--	<0.1	4.3	--
070302481	08/02/93	03:10	--	--	--	<0.1	4.5	--
070302481	08/02/93	03:20	--	--	--	<0.1	4.1	--
070302481	08/02/93	03:25	--	--	--	<0.1	3.8	--
070302481	08/02/93	03:30	--	--	--	<0.1	4.1	--
070302481	08/02/93	03:35	--	--	--	<0.1	2.5	--
070302481	08/02/93	03:40	--	--	--	<0.1	3.6	--
070302481	08/02/93	03:45	--	--	--	<0.1	3.8	--
070302481	08/02/93	03:50	--	--	--	<0.1	4.2	--
070302481	08/02/93	03:55	--	--	--	<0.1	4.3	--
070302481	08/02/93	04:00	--	--	--	<0.1	3.8	--
070302481	08/02/93	04:05	--	--	--	<0.1	2.9	--
070302481	08/02/93	04:10	--	--	--	<0.1	3.3	--
070302481	08/02/93	04:15	--	--	--	<0.1	3.8	--
070302481	08/02/93	04:20	--	--	--	<0.1	3.5	--
070302481	08/02/93	04:25	--	--	--	<0.1	3.4	--
070302481	08/02/93	04:30	--	--	--	<0.1	3.2	--
070302481	09/24/93	04:30	--	--	--	<0.1	3.2	--
070302481	09/24/93	09:00	--	--	--	<0.1	<1.3	--
070302481	09/24/93	09:05	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:10	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:15	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:20	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:25	--	--	--	<0.1	<1.3	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
070302481	09/24/93	20:30	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:35	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:40	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:45	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:50	--	--	--	<0.1	<1.3	--
070302481	09/24/93	20:55	--	--	--	<0.1	<1.3	--
070302481	09/24/93	21:00	--	--	--	<0.1	<1.3	--
070302481	09/24/93	21:05	--	--	--	<0.1	<1.3	--
070302481	09/24/93	21:10	--	--	--	<0.1	<1.3	--
070302481	09/24/93	21:45	--	--	--	<0.1	<1.3	--
070302481	09/24/93	21:50	--	--	--	<0.1	<1.3	--
070302481	09/24/93	21:55	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:00	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:05	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:10	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:15	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:20	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:25	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:30	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:35	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:40	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:45	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:50	--	--	--	<0.1	<1.3	--
070302481	09/24/93	22:55	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:00	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:05	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:10	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:15	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:20	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:25	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:30	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:35	--	--	--	<0.1	<1.3	--
070302481	09/24/93	23:40	--	--	--	<0.1	<1.3	--
070302481	09/24/93	24:00	--	--	--	<0.1	<1.3	--
070302481	09/25/93	00:15	--	--	--	<0.1	<1.3	--
07030249	05/25/91	10:10	143.0	56.5	8.6	--	--	--
07030249	05/25/91	10:15	<0.3	<0.3	<0.3	--	--	--
07030249	05/25/91	10:20	128.0	68.4	8.9	--	--	--
07030249	05/25/91	10:25	139.0	59.6	7.8	--	--	--
07030249	05/25/91	10:30	127.0	41.6	6.6	--	--	--
07030249	05/25/91	10:35	139.0	62.8	9.5	--	--	--
07030249	05/25/91	10:45	120.0	42.4	6.3	--	--	--
07030249	05/25/91	11:00	73.6	19.5	3.0	--	--	--
07030249	05/25/91	11:15	12.9	6.6	<0.3	--	--	--
07030249	05/25/91	11:30	52.8	15.6	0.9	--	--	--
07030249	05/25/91	11:45	43.2	11.6	1.4	--	--	--
07030249	05/25/91	11:55	<0.3	<0.3	<0.3	--	--	--
07030249	05/25/91	12:00	17.6	6.4	<0.3	--	--	--
07030249	05/25/91	13:35	5.6	3.0	<0.3	--	--	--
07030249	05/25/91	14:30	6.1	2.8	<0.3	--	--	--
07030249	05/25/91	16:30	17.3	10.4	1.7	--	--	--
07030249	05/25/91	17:30	7.7	7.6	1.1	--	--	--
07030249	05/25/91	18:30	11.1	7.2	1.3	--	--	--
07030249	05/25/91	19:30	2.6	2.6	<0.3	--	--	--
07030249	06/11/91	14:10	1.3	1.5	1.1	--	--	--
07030249	06/11/91	15:45	0.8	1.8	3.3	--	--	--
07030249	06/11/91	15:50	12.2	9.3	10.7	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030249	06/11/91	15:55	17.7	13.5	14.3	--	--	--
07030249	06/11/91	16:00	16.3	11.2	12.9	--	--	--
07030249	06/11/91	16:05	16.4	10.1	11.7	--	--	--
07030249	06/11/91	16:10	20.1	8.5	10.4	--	--	--
07030249	06/11/91	16:25	3.7	4.2	4.9	--	--	--
07030249	06/11/91	16:40	1.9	0.9	1.9	--	--	--
07030249	06/11/91	16:55	0.9	<0.3	1.2	--	--	--
07030249	06/11/91	17:10	2.3	<0.3	2.2	--	--	--
07030249	06/11/91	17:25	2.6	1.9	2.3	--	--	--
07030249	06/11/91	17:40	2.9	2.9	2.4	--	--	--
07030249	06/11/91	20:00	<0.3	<0.3	<0.3	--	--	--
07030249	06/12/91	13:30	0.0	0.0	0.0	--	--	--
07030249	06/12/91	18:00	2.4	7.6	7.9	--	--	--
07030249	06/12/91	18:05	2.6	9.5	11.3	--	--	--
07030249	06/12/91	18:10	1.2	7.2	9.1	--	--	--
07030249	06/12/91	18:15	<0.3	3.1	7.5	--	--	--
07030249	06/12/91	18:20	<0.3	<0.3	2.1	--	--	--
07030249	06/12/91	18:25	<0.3	<0.3	0.8	--	--	--
07030249	06/12/91	18:40	<0.3	<0.3	2.2	--	--	--
07030249	06/12/91	18:55	<0.3	<0.3	<0.3	--	--	--
07030249	06/12/91	19:10	<0.3	<0.3	1.2	--	--	--
07030249	06/12/91	19:25	<0.3	<0.3	<0.3	--	--	--
07030249	06/12/91	19:40	<0.3	<0.3	1.3	--	--	--
07030249	06/12/91	19:55	<0.3	<0.3	<0.3	--	--	--
07030249	06/12/91	21:05	<0.3	<0.3	0.7	--	--	--
07030249	07/03/91	18:20	<0.3	<0.3	3.6	--	--	--
07030249	07/03/91	18:25	<0.3	0.4	2.5	--	--	--
07030249	07/03/91	18:30	<0.3	<0.3	1.9	--	--	--
07030249	07/03/91	18:35	<0.3	<0.3	3.5	--	--	--
07030249	07/03/91	18:40	<0.3	<0.3	2.4	--	--	--
07030249	07/03/91	18:45	<0.3	<0.3	1.8	--	--	--
07030249	07/03/91	19:00	<0.3	<0.3	1.2	--	--	--
07030249	07/03/91	19:15	<0.3	<0.3	1.6	--	--	--
07030249	07/03/91	19:30	<0.3	<0.3	1.1	--	--	--
07030249	07/03/91	19:45	<0.3	<0.3	<0.3	--	--	--
07030249	07/03/91	20:00	<0.3	<0.3	<0.3	--	--	--
07030249	07/03/91	20:15	<0.3	<0.3	<0.3	--	--	--
07030249	07/03/91	22:15	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:10	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:15	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:20	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:25	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:30	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:35	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	22:50	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	23:05	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	23:20	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	23:35	<0.3	<0.3	<0.3	--	--	--
07030249	07/24/91	23:50	<0.3	<0.3	<0.3	--	--	--
07030249	07/25/91	00:15	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	03:30	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	03:35	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	03:40	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	03:45	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	03:50	<0.3	<0.3	<0.3	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030249	08/09/91	03:55	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	04:10	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	04:25	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	04:40	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	04:55	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	05:10	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	05:25	<0.3	<0.3	<0.3	--	--	--
07030249	08/09/91	15:05	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:15	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:20	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:25	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:35	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:40	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:45	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	14:55	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	15:10	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	15:25	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	15:55	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	16:25	<0.3	<0.3	<0.3	--	--	--
07030249	08/28/91	16:55	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	00:15	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	00:30	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	00:45	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	01:00	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	01:15	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	01:30	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	01:45	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	02:00	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	02:15	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	02:30	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	02:45	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	03:00	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	10:05	<0.3	<0.3	<0.3	--	--	--
07030249	10/30/91	10:40	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	01:15	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	01:30	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	01:45	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	01:55	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	02:00	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	02:15	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	02:30	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	02:45	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	03:15	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	03:30	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	03:45	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	04:00	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	04:15	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	04:30	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	04:45	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	05:00	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	05:15	<0.3	<0.3	<0.3	--	--	--
07030249	11/01/91	09:30	<0.3	<0.3	<0.3	--	--	--
07030249	06/26/92	01:20	<0.7	2.2	0.8	--	--	--
07030249	06/26/92	01:25	<0.7	2.9	2.3	--	--	--
07030249	06/26/92	01:30	<0.7	3.4	2.7	--	--	--
07030249	06/26/92	01:35	<0.7	2.0	3.5	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030249	06/26/92	01:40	<0.7	1.9	2.4	--	--	--
07030249	06/26/92	01:45	<0.7	1.3	1.6	--	--	--
07030249	06/26/92	01:50	<0.7	2.2	4.2	--	--	--
07030249	06/26/92	01:55	<0.7	2.2	2.6	--	--	--
07030249	06/26/92	02:00	<0.7	1.5	3.8	--	--	--
07030249	06/26/92	02:05	<0.7	2.2	1.9	--	--	--
07030249	06/26/92	02:10	<0.7	3.1	2.7	--	--	--
07030249	06/26/92	02:15	<0.7	1.1	1.3	--	--	--
07030249	06/26/92	03:20	<0.7	1.0	1.7	--	--	--
07030249	06/26/92	03:30	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	03:35	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	03:40	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	03:45	<0.7	<0.7	1.1	--	--	--
07030249	06/26/92	03:50	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	03:55	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:00	<0.7	<0.7	0.9	--	--	--
07030249	06/26/92	04:05	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:10	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:15	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:20	<0.7	<0.7	1.3	--	--	--
07030249	06/26/92	04:30	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:35	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:40	<0.7	1.1	<0.7	--	--	--
07030249	06/26/92	04:45	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	04:55	<0.7	<0.7	1.3	--	--	--
07030249	06/26/92	05:00	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	05:05	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	05:10	<0.7	0.7	1.3	--	--	--
07030249	06/26/92	05:15	<0.7	1.3	0.8	--	--	--
07030249	06/26/92	05:20	<0.7	1.4	1.0	--	--	--
07030249	06/26/92	05:25	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	05:30	<0.7	0.8	1.3	--	--	--
07030249	06/26/92	05:35	<0.7	1.0	2.3	--	--	--
07030249	06/26/92	05:40	<0.7	1.5	1.4	--	--	--
07030249	06/26/92	05:45	<0.7	1.1	2.1	--	--	--
07030249	06/26/92	05:50	<0.7	0.9	2.1	--	--	--
07030249	06/26/92	05:55	<0.7	1.7	1.4	--	--	--
07030249	06/26/92	06:00	<0.7	2.0	1.4	--	--	--
07030249	06/26/92	06:05	<0.7	1.8	1.3	--	--	--
07030249	06/26/92	06:10	<0.7	1.4	2.0	--	--	--
07030249	06/26/92	06:15	<0.7	<0.7	1.0	--	--	--
07030249	06/26/92	06:20	<0.7	1.4	0.9	--	--	--
07030249	06/26/92	06:25	<0.7	1.3	1.7	--	--	--
07030249	06/26/92	06:30	<0.7	<0.7	0.8	--	--	--
07030249	06/26/92	06:35	<0.7	0.7	0.9	--	--	--
07030249	06/26/92	06:40	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	06:45	<0.7	1.2	1.0	--	--	--
07030249	06/26/92	06:55	<0.7	1.2	1.8	--	--	--
07030249	06/26/92	07:00	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	07:05	<0.7	1.6	0.9	--	--	--
07030249	06/26/92	07:10	<0.7	<0.7	1.7	--	--	--
07030249	06/26/92	07:15	<0.7	1.5	1.3	--	--	--
07030249	06/26/92	07:20	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	07:25	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	07:30	<0.7	1.4	1.1	--	--	--
07030249	06/26/92	07:35	<0.7	1.3	0.9	--	--	--
07030249	06/26/92	07:40	<0.7	1.0	<0.7	--	--	--
07030249	06/26/92	07:45	<0.7	3.0	0.9	--	--	--
07030249	06/26/92	07:50	<0.7	0.8	0.9	--	--	--
07030249	06/26/92	08:00	<0.7	<0.7	1.3	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030249	06/26/92	08:05	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	08:10	<0.7	1.0	0.9	--	--	--
07030249	06/26/92	08:15	<0.7	<0.7	<0.7	--	--	--
07030249	06/26/92	08:20	<0.7	1.2	0.9	--	--	--
07030249	06/26/92	08:25	<0.7	<0.7	<0.7	--	--	--
07030249	06/29/92	07:55	<0.7	1.1	0.8	--	--	--
07030249	05/18/93	17:50	3.7	0.8	<0.7	--	--	--
07030249	05/18/93	17:55	3.3	0.8	<0.7	--	--	--
07030249	05/18/93	18:00	9.9	1.1	<0.7	--	--	--
07030249	05/18/93	18:05	3.1	<0.7	<0.7	--	--	--
07030249	05/18/93	18:10	113.0	10.0	<0.7	--	--	--
07030249	05/18/93	18:15	387.0	34.0	<0.7	--	--	--
07030249	05/18/93	18:20	76.0	12.0	<0.7	--	--	--
07030249	05/18/93	18:25	11.0	1.3	<0.7	--	--	--
07030249	05/18/93	18:30	36.0	3.9	<0.7	--	--	--
07030249	05/18/93	18:35	9.3	1.6	<0.7	--	--	--
07030249	05/18/93	18:40	125.0	17.0	<0.7	--	--	--
07030249	05/18/93	18:45	400.0	42.0	<0.7	--	--	--
07030249	05/18/93	18:50	274.0	26.0	<0.7	--	--	--
07030249	05/18/93	19:10	278.0	38.0	<0.7	--	--	--
07030249	05/18/93	19:15	322.0	30.0	<0.7	--	--	--
07030249	05/18/93	19:20	430.0	36.0	<0.7	--	--	--
07030249	05/18/93	19:25	410.0	34.0	<0.7	--	--	--
07030249	05/18/93	19:30	190.0	21.0	<0.7	--	--	--
07030249	05/18/93	19:35	390.0	28.0	<0.7	--	--	--
07030249	05/18/93	19:40	151.0	24.0	<0.7	--	--	--
07030249	05/18/93	19:45	78.0	10.0	<0.7	--	--	--
07030249	05/18/93	19:50	161.0	19.0	<0.7	--	--	--
07030249	05/18/93	19:55	175.0	22.0	<0.7	--	--	--
07030249	05/18/93	20:00	130.0	20.0	<0.7	--	--	--
07030249	05/18/93	20:10	150.0	19.0	<0.7	--	--	--
07030249	05/18/93	20:20	32.0	3.9	<0.7	--	--	--
07030249	05/18/93	20:30	69.0	9.6	<0.7	--	--	--
07030249	05/18/93	20:35	47.0	6.4	<0.7	--	--	--
07030249	05/18/93	20:40	119.0	14.0	<0.7	--	--	--
07030249	05/18/93	20:45	12.0	2.7	<0.7	--	--	--
07030249	05/18/93	20:50	21.0	7.9	<0.7	--	--	--
07030249	05/18/93	20:55	115.0	18.0	1.0	--	--	--
07030249	05/18/93	21:05	63.0	9.3	<0.7	--	--	--
07030249	05/18/93	21:25	97.0	14.0	<0.7	--	--	--
07030249	05/18/93	21:45	220.0	20.0	<0.7	--	--	--
07030249	05/18/93	21:50	119.0	20.0	<0.7	--	--	--
07030249	05/18/93	21:55	83.0	20.0	<0.7	--	--	--
07030249	05/18/93	22:00	113.0	17.0	<0.7	--	--	--
07030249	05/18/93	22:10	117.0	18.0	<0.7	--	--	--
07030249	05/18/93	22:15	100.0	12.0	0.7	--	--	--
07030249	05/18/93	22:20	17.0	8.2	<0.7	--	--	--
07030249	05/18/93	22:25	42.0	12.0	<0.7	--	--	--
07030249	05/18/93	22:30	26.0	9.7	<0.7	--	--	--
07030249	05/18/93	22:40	119.0	20.0	<0.7	--	--	--
07030249	05/18/93	22:45	66.0	9.6	<0.7	--	--	--
07030249	05/18/93	22:55	96.0	21.0	<0.7	--	--	--
07030249	05/18/93	23:00	96.0	20.0	<0.7	--	--	--
07030249	05/18/93	23:05	117.0	24.0	<0.7	--	--	--
07030249	05/18/93	23:10	41.0	15.0	<0.7	--	--	--
07030249	05/18/93	23:15	118.0	20.0	<0.7	--	--	--
07030249	05/18/93	23:20	125.0	21.0	<0.7	--	--	--
07030249	05/18/93	24:00	103.0	20.0	<0.7	--	--	--
07030249	05/19/93	00:15	110.0	25.0	<0.7	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Trifluralin, total rec. (µg/L)	Fluometuron, total rec. (µg/L)	Metolachlor, total rec. (µg/L)
07030249	05/19/93	00:30	61.0	13.0	<0.7	--	--	--
07030249	05/19/93	00:45	95.0	18.0	<0.7	--	--	--
07030249	05/19/93	01:00	61.0	18.0	2.1	--	--	--
07030249	05/19/93	01:15	116.0	25.0	<0.7	--	--	--
07030249	05/19/93	01:30	107.0	27.0	<0.7	--	--	--
07030249	05/19/93	01:45	107.0	20.0	<0.7	--	--	--
07030249	05/19/93	02:00	105.0	28.0	<0.7	--	--	--
07030249	05/19/93	02:15	27.0	11.0	<0.7	--	--	--
07030249	05/19/93	03:00	100.0	19.0	<0.7	--	--	--
07030249	05/19/93	03:15	90.0	23.0	<0.7	--	--	--
07030249	05/19/93	03:30	24.0	8.1	<0.7	--	--	--
07030249	05/19/93	03:45	89.0	23.0	<0.7	--	--	--
07030249	05/19/93	04:00	88.0	24.0	0.9	--	--	--
07030249	05/19/93	04:15	67.0	16.0	<0.7	--	--	--
07030249	05/19/93	04:30	81.0	16.0	<0.7	--	--	--
07030249	05/19/93	04:45	85.0	22.0	<0.7	--	--	--
07030249	05/19/93	05:00	78.0	19.0	<0.7	--	--	--
07030249	05/19/93	05:15	70.0	16.0	<0.7	--	--	--
07030249	05/19/93	05:30	68.0	19.0	<0.7	--	--	--
07030249	05/19/93	05:45	73.0	15.0	<0.7	--	--	--
07030249	08/02/93	02:10	<0.7	<0.7	1.2	--	--	--
07030249	08/02/93	02:15	<0.7	<0.7	0.9	--	--	--
07030249	08/02/93	02:20	<0.7	<0.7	1.0	--	--	--
07030249	08/02/93	02:25	<0.7	1.0	1.3	--	--	--
07030249	08/02/93	02:30	<0.7	1.0	0.7	--	--	--
07030249	08/02/93	02:35	<0.7	0.8	0.9	--	--	--
07030249	08/02/93	05:50	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	05:55	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:00	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:05	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:10	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:15	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:20	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:25	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:30	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:35	<0.7	<0.7	0.7	--	--	--
07030249	08/02/93	06:40	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:45	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	06:50	<0.7	<0.7	0.9	--	--	--
07030249	08/02/93	06:55	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	07:00	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	07:05	<0.7	<0.7	0.9	--	--	--
07030249	08/02/93	07:10	<0.7	1.0	0.9	--	--	--
07030249	08/02/93	07:15	<0.7	<0.7	1.4	--	--	--
07030249	08/02/93	07:20	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	07:25	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	07:30	<0.7	<0.7	1.0	--	--	--
07030249	08/02/93	07:35	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	07:40	<0.7	<0.7	<0.7	--	--	--
07030249	08/02/93	07:45	<0.7	<0.7	<0.7	--	--	--
07030249	06/06/95	14:50	7.7	--	--	--	--	--
07030249	06/06/95	15:10	7.7	--	--	--	--	--
07030249	06/06/95	15:30	9.4	--	--	--	--	--
07030249	06/06/95	15:50	7.7	--	--	--	--	--
07030249	06/06/95	16:10	24.0	--	--	--	--	--
07030249	06/06/95	17:40	25.0	--	--	--	--	--
07030249	06/06/95	17:50	24.0	--	--	--	--	--
07030249	06/06/95	18:00	27.0	--	--	--	--	--

Table 12. Pesticide data for water samples collected in the Beaver Creek watershed, 1991-1995--Continued

[rec., recoverable; µg/L, micrograms per liter, <, less than; --, no data]

Station	Date	Time	Aldicarb, total rec. (µg/L)	Aldicarb sulfoxide, total rec. (µg/L)	Aldicarb sulfone, total rec. (µg/L)	Triflur-alin, total rec. (µg/L)	Fluom-eturon, total rec. (µg/L)	Metola-chlor, total rec. (µg/L)
07030249	06/06/95	18:10	28.0	--	--	--	--	--
07030249	06/06/95	18:20	23.0	--	--	--	--	--
07030249	06/06/95	18:30	22.0	--	--	--	--	--
07030249	06/06/95	18:40	18.0	--	--	--	--	--
07030249	06/06/95	18:50	17.0	--	--	--	--	--
07030249	06/06/95	19:00	16.0	--	--	--	--	--
07030249	06/06/95	19:20	16.0	--	--	--	--	--
07030249	06/06/95	19:40	14.0	--	--	--	--	--
07030249	06/11/95	08:25	18.0	--	--	--	--	--
07030249	06/11/95	08:35	29.0	--	--	--	--	--
07030249	06/11/95	08:45	32.0	--	--	--	--	--
07030249	06/11/95	08:55	29.0	--	--	--	--	--
07030249	06/11/95	09:05	30.0	--	--	--	--	--
07030249	06/11/95	09:15	32.0	--	--	--	--	--
07030249	06/11/95	09:25	34.0	--	--	--	--	--
07030249	06/21/95	07:30	19.0	--	--	--	--	--
07030249	06/21/95	07:40	17.0	--	--	--	--	--
07030249	06/21/95	07:50	19.0	--	--	--	--	--
07030249	06/21/95	08:10	21.0	--	--	--	--	--
07030249	06/21/95	08:20	23.0	--	--	--	--	--
07030249	06/21/95	08:30	33.0	--	--	--	--	--
07030249	06/21/95	08:40	36.0	--	--	--	--	--
07030249	06/21/95	08:50	30.0	--	--	--	--	--
07030249	06/21/95	09:00	29.0	--	--	--	--	--
07030249	06/25/95	17:10	3.4	--	--	--	--	--
07030249	06/25/95	17:20	7.4	--	--	--	--	--
07030249	06/25/95	17:30	6.7	--	--	--	--	--
07030249	06/25/95	17:40	14.0	--	--	--	--	--
07030249	06/25/95	17:50	18.0	--	--	--	--	--
07030249	06/25/95	18:00	19.0	--	--	--	--	--