U.S. GEOLOGICAL SURVEY NUTRIENT PRESERVATION EXPERIMENT: NUTRIENT CONCENTRATION DATA FOR SURFACE-, GROUND-, AND MUNICIPAL-SUPPLY WATER SAMPLES AND QUALITY-ASSURANCE SAMPLES

By Charles J. Patton and Earl P. Truitt

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CONVERSION FACTORS, ABBREVIATED WATER-QUALITY UNITS, AND ADDITIONAL ABBREVIATIONS AND SYMBOLS

Multiply	*By*	*To obtain*
liter (L)	0.265	gallon
micrometer (µm)	3.94×10^{-5}	inch
milligram (mg)	3.53×10^{-5}	ounce
milliliter (mL)	2.64×10^{-4}	gallon

Degree Celsius (°C) may be converted to degree Fahrenheit (°F) by using the following equation:

$$°F = 9/5\ (°C) + 32.$$

Water-quality terms and abbreviations used in this report are as follows:

FC	chilled, filtered, mercury preserved
M	molarity (moles/L)
MDL	method detection limit
mg/L	milligram per liter
NASQAN	National Stream Quality Accounting Network
NWQL	National Water Quality Laboratory
OWQ	Office of Water Quality
RC	chilled, unfiltered, mercury preserved
USEPA	U.S. Environmental Protection Agency
v/v	volume to volume

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ABSTRACT

This report is a compilation of analytical results from a study conducted at the U.S. Geological Survey, National Water Quality Laboratory in 1992 to assess the effectiveness of three field treatment protocols to stabilize nutrient concentrations in water samples stored for about 1 month at 4°C. Field treatments tested were chilling, adjusting sample pH to less than 2 with sulfuric acid and chilling, and adding 52 milligrams of mercury (II) chloride per liter of sample and chilling. Field treatments of samples collected for determination of ammonium, nitrate plus nitrite, nitrite, dissolved Kjeldahl nitrogen, orthophosphate, and dissolved phosphorus included 0.45-micrometer membrane filtration. Only total Kjeldahl nitrogen and total phosphorus were determined in unfiltered samples. Data reported here pertain to water samples collected in April and May 1992 from 15 sites within the continental United States. Also included in this report are analytical results for nutrient concentrations in synthetic reference samples that were analyzed concurrently with real samples.

INTRODUCTION

Increased concerns about worker safety and the possibility of contaminating samples collected for low-level mercury determinations prompted the Office of Water Quality (OWQ) of the U.S. Geological Survey (USGS) to consider alternatives to its long-standing policy of requiring samples collected for nutrient determinations to be dosed with mercury (II), an effective biocide, at the collection site. In 1992 the National Water Quality Laboratory (NWQL) and the OWQ jointly drafted and approved a work plan to evaluate the effectiveness of three widely applied methods for field preservation of samples collected for nutrient analysis. The purpose of this report is to make the complete data set from the resulting study widely accessible to researchers. Interpretation of the data set, which will be presented in a companion report, is beyond the scope of this publication.

The author gratefully acknowledges the assistance of Kathy Fitzgerald, Tim Miller, and Dave Rickert, staff of the Office of Water Quality, in approving and funding the work plan. The help of several other individuals at the NWQL and sample collectors also is gratefully acknowledged.

Sample Collection and Field Treatments

The 15 sites included in this study from which the surface-, ground-, and municipal-supply water samples were collected are shown in figure 1. Eleven surface-water samples were collected from the National Stream Quality Accounting Network (NASQAN) stations, which, on the basis of historical data, were expected to differ significantly in nutrient concentrations and suspended sediment loads. Laboratory identifiers, station numbers and descriptions, sample collection dates, and dates of first analytical determinations for all samples in this study are listed in table 1. Typically less than 24 hours elapsed between the time of sample collection and the time of first analytical determinations.

The three field treatments, which included 0.45-µm membrane filtration of samples collected for determination of ammonium, nitrate plus nitrite, nitrite, dissolved Kjeldahl nitrogen, orthophosphate, and dissolved phosphorus were as follows: chilling; adjusting sample pH to less than 2 with sulfuric acid and chilling; and adding 52 mg of mercury (II) chloride per liter of sample and chilling. Only total Kjeldahl nitrogen and total phosphorus were determined in unfiltered samples. A total of 12, 1-L samples--two filtered and two unfiltered samples for each of the three treatment groups--were collected at each site. Field processing included adding 4 mL of American Society for Testing and Materials (Greenberg and others, 1992) Type I deionized water to chilled-only (water control) samples, 4 mL of 4.5 *M* sulfuric acid to acidified-chilled samples, and 4 mL of a solution containing 13 mg of mercury (II) chloride per milliliter of Type I deionized water to mercury-preserved, chilled samples. As soon as field-processing operations were complete, samples were packed in ice and shipped to the NWQL by overnight express in 1-L, brown polyethylene bottles. At the NWQL, all samples were stored in a refrigerator at 4°C.

Laboratory Splits and Analytical Determinations

Immediately upon receipt at the NWQL, one filtered sample and one unfiltered sample from each treatment group were selected at random for splitting into 125-mL, brown polyethylene bottles, referred to in this report as small-bottle splits. A different 10-port cone splitter (Ward and Harr, 1990) was used exclusively for each treatment group throughout the experiment. Just prior to use, each cone splitter was rinsed copiously with 5 percent v/v hydrochloric acid and deionized water. In each treatment group, filtered samples ("FC" bottles) were always split before unfiltered samples ("RC"

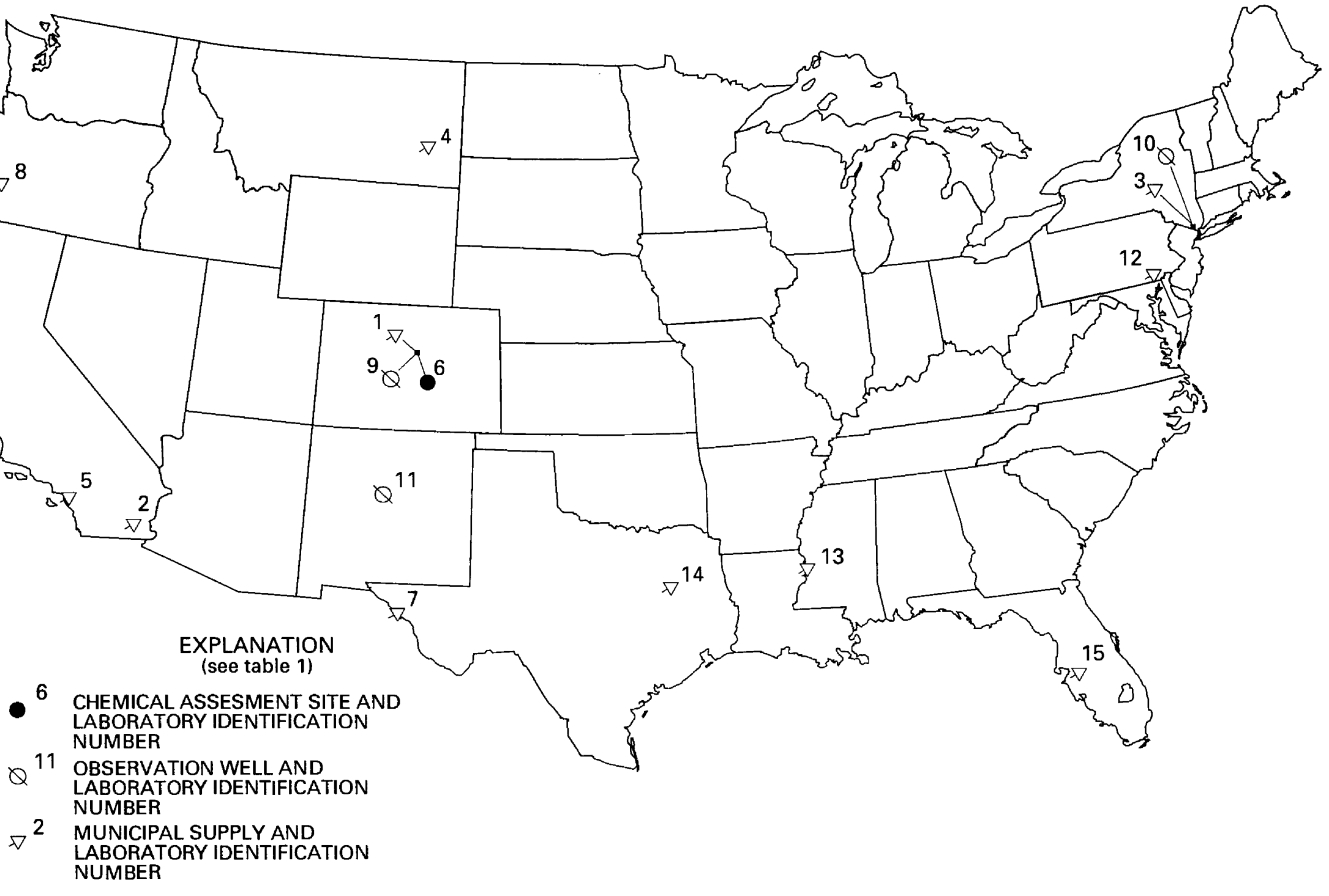

Figure 1.—Map showing stations in the nutrient preservation experiment.

Table 1.--*Station and laboratory identifiers of samples used in nutrient preservation study*

[NWQL, National Water Quality Laboratory]

Laboratory identification	Station number	Description	Collection date	First analysis date (Julian)
[1]Station 1	06720500	South Platte at Henderson, Colo.	4/13/92	4/13/92 (104)
[2]Station 2	10254670	Alamo River, drop 3 near Calipatria, Calif.	4/16/92	4/18/92 (109)
Station 3	01389500	Passaic River at Little Falls, N.J.	4/20/92	4/21/92 (112)
Station 4	06326500	Powder River at Locate, Mont.	4/23/92	4/24/92 (115)
Station 5	11103000	Los Angeles River at Long Beach, Calif.	4/27/92	4/28/92 (119)
[1]Station 6	(3)	Municipal supply (NWQL tap water)	4/27/92	4/27/92 (118)
Station 7	08370500	Rio Grande at Fort Quitman, Tex.	4/30/92	5/1/92 (122)
Station 8	14312260	South Umpqua River near Roseburg, Oreg.	5/4/92	5/5/92 (126)
[1]Station 9	394037104391601	Colorado local well number = SC0406533CCC!	5/4/92	5/4/92 (125)
Station 10	393134074335201	New Jersey well (UID 010938)	5/7/92	5/8/92 (129)
Station 11	345833106185101	New Mexico well (station name = 09N.06E.29.244 MOSIER)	5/11/92	5/12/92 (133)
Station 12	01576540	Mill Creek near Eshelman Mill Road at Lyndon, Pa.	5/14/92	5/15/92 (136)
Station 13	07288000	Yazoo River at Redwood, Miss.	5/18/92	5/19/92 (140)
Station 14	08062800	Trinity River at Trinidad, Tex.	5/21/92	5/22/92 (143)
[2]Station 15	02248000	Spruce Creek at Samsula, Fla.	5/26/92	5/28/92 (148)

[1]Time zero station, that is, first samples were analyzed on the day that they were collected.
[2]Samples were shipped with the wrong priority. First samples were analyzed 2 days after samples were collected.
[3]Station number does not exist.

bottles). The contents of each selected 1-L bottle were thoroughly shaken, poured into the appropriate cone splitter, and collected in ten, 125-mL bottles. Before caps were secured, each 125-mL bottle was squeezed gently to bring the sample level up to the bottle neck. This procedure minimized head space in the small-bottle splits. A flow chart of field and laboratory sample processing and splitting protocols is shown in figure 2. Then the remaining large-bottle sample and a randomly chosen small-bottle split from each treatment group were analyzed in quadruplicate for dissolved and total nutrients, with repeat quadruplicate analyses being performed both on large-bottle and on randomly selected small-bottle splits at approximate intervals of 3, 7, 14, 22, and 36 days from the dates of sample collection. Between repeat analyses, samples were stored in a refrigerator at 4°C. Geological Survey method numbers (Fishman, 1993; Patton and Truitt, 1992) used to analyze these samples, approximately equivalent U.S. Environmental Protection Agency (1993) method numbers, and the analytical range for each analyte are summarized in the following table. Minimum concentrations for each analyte in the Analytical Range column are method detection limits calculated as specified by the U.S. Environmental Protection Agency (1990).

Analyte	USGS method	USEPA method	Analytical range (mg/L)
Ammonia	[1]I-2522-90	350.1	0.01 - 2.00
Nitrate plus nitrite	[2]I-2545-90	353.2	0.02 - 5.00
Nitrite	[2]I-2540-90	353.2	0.003 - 1.00
Dissolved Kjeldahl nitrogen	I-2515-91	351.2	0.05 -10.00
Total Kjeldahl nitrogen	I-4515-91	351.2	0.05 -10.00
Orthophosphate	[3]I-2601-90	365.1	0.004 - 1.00
Dissolved phosphorus	[3]I-2610-91	365.4	0.01 - 2.00
Total phosphorus	[3]I-4610-91	365.4	0.01 - 2.00

[1]Salicylate analog of the Berthelot reaction.
[2]Separate sulfanilamide and 1-(N-Naphthyl)ethylenediamine reagents.
[3]Separate molybdate and ascorbic acid reagents.

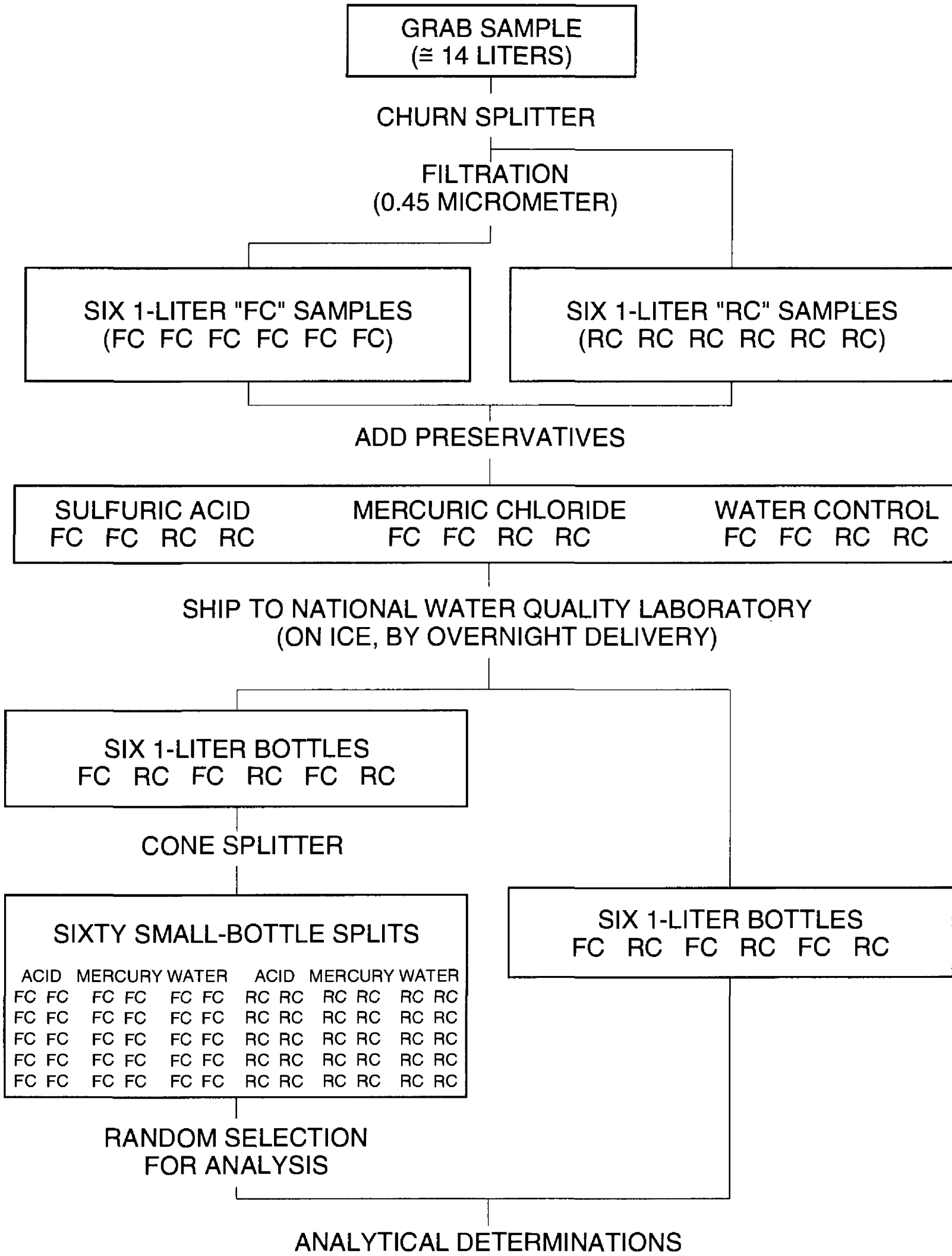

Figure 2.—Flow chart showing sample splitting.

Concentration data in tables 2 through 124 have been rounded to the number of significant figures supported by the standard deviation calculated from four repeat determinations of each analyte on a given day. This rounding permits readers to see the within-run and between-day variations in analytical precision. While all analytical results are included in these tables, single outliers were occasionally omitted from average and standard deviation calculations. Typically, outliers were rejected when concentrations of three of the four replicate determinations agreed to within two MDLs and the concentration of the fourth replicate differed from the concentration of the other three by five or more MDLs. In all tables, footnotes appear to the left of any data point treated as an outlier.

Description and Organization of Data

Tables 2 through 15 list dissolved phosphorus concentration data for stations 1 through 15. Tables 16 through 30 list total phosphorus concentration data from stations 1 through 15. Tables 31 through 45 list orthophosphate concentration data from stations 1 through 15. Tables 46 through 59 list dissolved Kjeldahl nitrogen concentration data from stations 1 through 15. Tables 60 through 74 list total Kjeldahl nitrogen concentration data from stations 1 through 15. Tables 75 through 89 list ammonia concentration data from stations 1 through 15. Tables 90 through 104 list nitrate plus nitrite concentration data from stations 1 through 15. Tables 105 through 119 list nitrite concentration data from stations 1 through 15. Note that NWQL tap water (station 6) was not filtered prior to adding preservatives; hence, all samples are designated "RC." FC data do not exist for this station.

In all these tables the six major blocks of data are arranged as follows: large bottle, acid treated; small-bottle splits, acid treated; large bottle, mercury (II) treated; small-bottle splits, mercury (II) treated; large bottle, water control; small-bottle splits, water control. Large-bottle samples have five-character laboratory identifiers in the form *llAAT*, where *ll* is a number from 01 to 15 that designates the laboratory-assigned station number; *AA* is the filtration code (*FC* = filtered chilled, *RC* = unfiltered chilled); and *T* is the treatment code (A = acid, M = mercury (II), and W = water control). Small-bottle splits have six-character laboratory identifiers in the form *llAATn*, where *n*, the additional, rightmost character, is a number from 0 to 9, which designates the split number. For example, the laboratory identifier *02FCA* designates the large-bottle, filtered, acidified sample from station 02; and the laboratory identifier *11RCM6* designates bottle number six for the unfiltered, mercury-preserved, small-bottle split from station 11.

Tables 120 and 122 list phosphorus and Kjeldahl nitrogen concentration data determined for USEPA reference sample *Nutrient Concentration 2*, which were determined concurrently with real samples. Tables 121, 123, and 124 list orthophosphate, ammonia, and nitrate concentration data determined for USEPA reference sample *Nutrient Concentration 1*, which were determined concurrently with real samples. No reference sample for nitrite was available.

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Supplemental Information:
Analytical Data (tables 2-124)

Table 2.--*Phosphorus concentration in filtered samples collected from station 1*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01FCA	104	1.86	1.83	1.90	1.83	1.85	0.04
01FCA	109	1.91	1.84	1.83	1.84	1.85	.04
01FCA	112	1.83	1.83	1.80	1.88	1.84	.03
01FCA	114	1.85	1.82	1.88	1.81	1.84	.03
01FCA	125	1.81	1.80	1.80	1.78	1.80	.01
[1]01FCA	139	1.79	1.83	1.91	1.86	1.84	.05
01FCA5	104	1.85	1.85	1.89	1.84	1.86	.02
01FCA2	109	1.84	1.83	1.83	1.84	1.84	.01
01FCA9	112	1.83	1.81	1.84	1.83	1.83	.01
[2]01FCA9	114	1.78	1.75	1.84	1.81	1.80	.04
01FCA6	125	1.78	1.75	1.78	1.82	1.78	.03
[1]01FCA4	139	1.92	1.98	1.87	1.97	1.93	.05
01FCM	104	1.81	1.78	1.80	1.87	1.82	.04
01FCM	105	1.83	1.83	1.84	1.94	1.86	.05
01FCM	109	1.91	1.81	1.86	1.82	1.85	.04
01FCM	112	1.8	1.8	2.0	1.8	1.8	.1
01FCM	114	1.91	1.84	1.78	1.81	1.83	.06
01FCM	125	1.89	1.84	1.87	1.84	1.86	.02
[1]01FCM	139	1.78	1.74	1.77	1.77	1.76	.02
01FCM0	104	1.83	1.82	1.84	1.84	1.83	.01
01FCM6	105	1.96	1.84	1.85	1.81	1.87	.07
01FCM7	109	1.81	1.85	1.98	1.86	1.87	.07
01FCM4	112	1.86	1.79	1.80	1.81	1.81	.03
[2]01FCM4	114	1.91	1.80	1.85	1.84	1.85	.05
01FCM5	125	1.75	1.87	1.83	1.86	1.83	.05
[1]01FCM3	139	1.81	1.80	1.78	1.80	1.80	.01
01FCW	104	1.77	1.84	1.78	1.79	1.79	.03
01FCW	105	1.86	1.78	1.79	1.75	1.80	.05
01FCW	109	1.90	1.80	1.74	1.76	1.80	.07
01FCW	112	1.80	1.83	1.74	1.79	1.79	.04
01FCW	114	1.76	1.83	1.76	1.72	1.77	.05
01FCW	125	1.76	1.78	1.78	1.80	1.78	.02
[1]01FCW	139	1.72	1.64	1.67	1.67	1.67	.03
01FCW3	104	1.80	1.81	1.84	1.80	1.81	.02
01FCW5	105	1.86	1.83	1.81	1.79	1.82	.03
01FCW8	109	1.76	1.76	1.80	1.72	1.76	.03
01FCW7	112	1.79	1.80	1.80	1.83	1.80	.02
[2]01FCW7	114	1.72	1.75	1.75	1.75	1.74	.01
01FCW0	125	1.80	1.81	1.79	1.77	1.79	.02
[1]01FCW2	139	1.69	1.69	1.70	1.74	1.71	.03

[1]Sample diluted 1+1 prior to digestion.
[2]Repeat analysis on the same small-bottle split.

Table 3.--*Phosphorus concentration in filtered samples collected from station 2*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]02FCA	109	0.49	0.48	0.52	0.50	0.50	0.02
02FCA	112	.55	.51	.50	.50	.52	.02
02FCA	114	.47	.47	.47	.49	.47	.01
02FCA	121	.51	.57	.54	.51	.54	.03
02FCA	127	.55	.53	.51	.53	.53	.02
02FCA	142	.51	.51	.49	.52	.50	.01
[1]02FCA0	109	.53	.53	.56	.52	.54	.02
02FCA1	112	.52	.52	.55	.54	.53	.01
02FCA8	114	.476	.492	.488	.478	.484	.008
02FCA7	121	.515	.514	.506	.510	.511	.004
02FCA3	127	.521	.509	.520	.532	.521	.009
02FCA6	142	.526	.544	.540	.533	.536	.008
[1]02FCM	109	.51	.57	.52	.51	.53	.03
02FCM	112	.58	.53	.53	.53	.55	.02
02FCM	114	.48	.48	.50	.47	.48	.01
02FCM	121	.56	.58	.56	.56	.56	.01
02FCM	127	.48	.57	.51	.54	.53	.04
02FCM	142	.50	.45	.48	.47	.48	.02
[1]02FCM8	109	.61	.51	.52	.52	.54	.05
02FCM8	112	.54	.53	.52	.56	.54	.02
02FCM0	114	.48	.49	.51	.48	.49	.01
02FCM1	121	.57	.55	.56	.54	.56	.01
02FCM7	127	.525	.526	.525	.526	.526	.001
02FCM9	142	.49	.51	.51	.48	.50	.02
[1]02FCW	109	.46	.46	.47	.49	.47	.01
02FCW	112	.53	.51	.50	.50	.51	.02
02FCW	114	.47	.49	.51	.47	.48	.02
02FCW	121	.527	.518	.524	.538	.527	.008
02FCW	127	.55	.52	.52	.53	.53	.01
02FCW	142	.48	.51	.47	.49	.49	.02
[1]02FCW3	109	.47	.48	.47	.51	.49	.02
02FCW4	112	.50	.52	.69	.53	.56	.09
02FCW1	114	.49	.49	.50	.51	.50	.01
02FCW6	121	.53	.53	.56	.54	.54	.02
02FCW0	127	.521	.524	.528	.523	.524	.003
02FCW8	142	.53	.52	.51	.50	.52	.01

[1]Sample diluted 1+1 prior to digestion.

Table 4.--*Phosphorus concentration in filtered samples collected from station 3*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03FCA	112	0.166	0.162	0.163	0.169	0.165	0.003
03FCA	115	.140	.134	.147	.134	.139	.006
03FCA	119	.139	.131	.139	.134	.136	.004
03FCA	127	.167	.167	.174	.159	.167	.006
03FCA	134	.158	.167	.159	.160	.161	.004
03FCA	148	.16	.16	.19	.16	.17	.01
03FCA4	112	.165	.165	.165	.166	.165	.000
03FCA2	115	.141	.138	.139	.142	.140	.002
03FCA9	119	.147	.139	.139	.137	.141	.004
03FCA7	127	.172	.185	.171	.173	.175	.007
03FCA3	134	.168	.159	.166	.163	.164	.004
03FCA0	148	.165	.160	.163	.160	.162	.002
03FCM	112	.177	.177	.180	.179	.178	.002
03FCM	115	.144	.148	.155	.154	.150	.005
03FCM	119	.149	.150	.153	.155	.152	.003
03FCM	127	.174	.173	.175	.217	.185	.022
03FCM	134	.165	.170	.164	.175	.169	.005
03FCM	148	.165	.166	.168	.167	.167	.001
03FCM0	112	.169	.175	.173	.162	.170	.006
03FCM9	115	.151	.151	.144	.147	.148	.003
03FCM1	119	.152	.161	.151	.155	.155	.005
03FCM8	127	.176	.191	.173	.172	.178	.009
03FCM2	134	.159	.165	.160	.174	.165	.007
03FCM4	148	.168	.169	.184	.167	.172	.008
03FCW	112	.165	.162	.162	.171	.165	.004
03FCW	115	.14	.15	.16	.16	.16	.01
03FCW	119	.157	.157	.160	.167	.160	.005
03FCW	127	.157	.177	.165	.165	.166	.008
03FCW	134	.171	.162	.162	.164	.165	.004
03FCW	148	.175	.15	.16	.16	.16	.01
03FCW7	112	.177	.182	.165	.168	.173	.008
03FCW5	115	.144	.148	.149	.146	.147	.002
03FCW9	119	.160	.158	.165	.160	.161	.003
03FCW8	127	.171	.178	.173	.180	.176	.004
03FCW2	134	.168	.172	.162	.164	.167	.004
03FCW0	148	.18	.16	.16	.16	.17	.01

Table 5.--*Phosphorus concentration in filtered samples collected from station 4*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
04FCA	115	0.007	0.009	0.002	0.001	0.005	0.004
04FCA	118	.01	.02	.03	.01	.02	.01
04FCA	122	.007	.001	.021	.003	.008	.009
04FCA	128	.023	.005	.014	.010	.013	.008
04FCA	135	.032	.012	.022	.021	.022	.008
04FCA	149	.008	.023	.014	.005	.013	.008
04FCA4	115	.004	.006	.007	.008	.006	.002
04FCA9	118	.016	.015	.019	.022	.018	.003
04FCA7	122	.01	.02	.05	.01	.02	.02
04FCA2	128	.007	.014	.015	.021	.014	.006
04FCA3	135	.016	.021	.019	.023	.020	.003
04FCA5	149	.015	.015	.016	.015	.015	.001
04FCM	115	.021	.009	.007	.010	.012	.006
04FCM	118	.019	.032	.027	.027	.026	.005
04FCM	122	.02	.02	.04	.03	.03	.01
04FCM	128	.021	[1].055	.017	.012	.017	.005
04FCM	135	.024	.035	.019	.019	.024	.008
04FCM	149	.01	.04	.03	.02	.02	.01
04FCM7	115	.009	.004	.005	.005	.006	.002
04FCM1	118	.009	.010	.006	.008	.008	.002
04FCM3	122	.014	.009	.011	.012	.012	.002
04FCM9	128	.009	.011	.011	.005	.009	.003
04FCM2	135	.022	.016	.012	.016	.017	.004
04FCM5	149	-.005	-.004	.000	-.006	-.004	.003
04FCW	115	.001	.000	.000	.010	.003	.005
04FCW	118	.01	.02	.04	.02	.02	.01
04FCW	122	.003	.016	.006	.008	.008	.006
04FCW	128	.012	.001	.022	.004	.010	.009
04FCW	135	.001	.015	-.001	.006	.005	.007
04FCW	149	.001	.006	.018	.002	.007	.008
04FCW5	115	.006	.002	.003	-.001	.003	.003
04FCW8	118	.012	.009	.010	.010	.010	.001
04FCW6	122	.002	-.010	.003	-.003	-.002	.006
04FCW7	128	.005	.002	-.002	.008	.003	.004
04FCW2	135	.004	-.002	.000	-.003	.000	.003
04FCW9	149	.001	-.003	-.005	-.004	-.003	.003

[1]Point was not used to calculate average and standard deviation.

Table 6.--*Phosphorus concentration in filtered samples collected from station 5*

[All samples were diluted 1+4 prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]05FCA	--	--	--	--	--	--	--
05FCA6	120	3.87	3.8	3.78	3.77	3.8	0.04
05FCA9	122	4.1	4.2	4.0	3.9	4.1	.1
05FCA0	127	4.0	3.9	4.2	4.0	4.0	.1
05FCA7	133	4.22	4.17	4.29	4.25	4.23	.05
05FCA4	141	4.23	4.19	4.21	4.31	4.24	.05
05FCA1	155	4.04	3.89	3.89	3.91	3.93	.07
05FCM	120	3.52	3.58	3.57	3.65	3.58	.05
05FCM	122	3.96	3.75	3.87	3.89	3.87	.08
05FCM	127	3.8	4.0	3.9	3.8	3.9	.1
05FCM	133	3.98	3.95	4.1	4.07	4.02	.07
05FCM	141	3.92	3.94	3.88	3.9	3.91	.03
05FCM	155	3.58	3.52	3.59	3.44	3.53	.07
05FCM9	120	3.74	3.69	3.68	3.82	3.73	.06
05FCM5	122	4.0	4.2	4.1	4.0	4.1	.1
05FCM8	127	3.82	3.85	3.8	3.93	3.85	.06
05FCM1	133	4.3	4.14	4.14	4.11	4.17	.09
05FCM4	141	4.01	4.16	4.08	4.08	4.08	.06
05FCM3	155	3.47	3.67	3.6	3.54	3.57	.09
[1]05FCW	--	--	--	--	--	--	--
05FCW1	120	3.71	3.73	3.64	3.61	3.67	.06
05FCW5	122	3.91	3.90	4.10	3.96	3.97	.09
05FCW8	127	4.08	4.0	3.93	4.07	4.02	.07
05FCW6	133	4.1	4.0	4.2	4.0	4.1	.1
05FCW7	141	4.20	4.06	4.01	4.14	4.10	.08
05FCW2	155	4.0	4.0	4.0	3.8	3.9	.1

[1]Only 1 liter of the acid-preserved and water-control samples was collected. No large-bottle data exist for these treatments.

Table 7.--*Phosphorus concentration in filtered samples collected from station 7*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07FCA	122	0.50	0.50	0.50	0.48	0.49	0.01
07FCA	125	.460	.448	.455	.450	.453	.005
07FCA	129	.473	.487	.474	.478	.478	.006
07FCA	134	.464	.450	.462	.466	.461	.007
07FCA	142	.49	.43	.47	.44	.46	.03
07FCA	156	.47	.45	.48	.46	.47	.02
07FCA7	122	.506	.502	.486	.502	.499	.009
07FCA6	125	.45	.45	.47	.48	.46	.01
07FCA9	129	.46	.48	.47	.48	.47	.01
07FCA8	134	.463	.468	.468	.464	.466	.003
07FCA1	142	.48	.49	.51	.47	.49	.02
07FCA4	156	.469	.470	.467	.485	.473	.008
07FCM	122	.474	.477	.478	.482	.478	.003
07FCM	125	.51	.48	.50	.50	.50	.01
07FCM	129	.495	.504	.495	.494	.497	.005
07FCM	134	.49	.51	.49	.51	.50	.01
07FCM	142	.46	.45	.49	.45	.46	.02
07FCM	156	.420	.441	.432	.424	.429	.009
07FCM7	122	.472	.476	.470	.483	.475	.006
07FCM1	125	.49	.50	.52	.52	.51	.02
07FCM5	129	.50	.49	.50	.47	.49	.02
07FCM4	134	.51	.49	.49	.50	.50	.01
07FCM9	142	.49	.45	.46	.45	.47	.02
07FCM0	156	.42	.39	.42	.43	.42	.02
07FCW	122	.49	.48	.46	.47	.47	.01
07FCW	125	.49	.48	.47	.51	.49	.02
07FCW	129	.488	.489	.478	.490	.486	.006
07FCW	134	.48	.48	.47	.50	.49	.01
07FCW	142	.45	.45	.45	.48	.45	.01
07FCW	156	.481	.465	.474	.469	.472	.007
07FCW3	122	.472	.470	.469	.489	.475	.009
07FCW6	125	.484	.499	.491	.490	.491	.006
07FCW5	129	.486	.488	.484	.480	.485	.003
07FCW7	134	.502	.490	.500	.484	.494	.008
07FCW1	142	.47	.49	.48	.46	.48	.01
07FCW4	156	.49	.48	.51	.49	.49	.01

Table 8.--*Phosphorus concentration in filtered samples collected from station 8*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08FCA	126	0.008	0.011	-0.001	0.021	0.010	0.009
08FCA	129	.023	.024	.030	.030	.027	.004
08FCA	133	.022	.020	.018	.018	.020	.002
08FCA	141	.016	.016	.010	.015	.014	.003
08FCA	148	.027	.023	.024	.020	.024	.003
08FCA	162	.010	.012	.013	.015	.013	.002
08FCA3	126	.017	.015	.004	.010	.012	.006
08FCA1	129	.033	.035	.043	.032	.036	.005
08FCA5	133	.027	.024	.023	.023	.024	.002
08FCA4	141	.03	.03	.06	.04	.04	.01
08FCA2	148	.034	.025	.030	.027	.029	.004
08FCA7	162	.018	.014	.019	.016	.017	.002
08FCM	126	.024	.019	.019	.018	.020	.003
08FCM	129	.019	.030	.022	.017	.022	.006
08FCM	133	.015	.017	.018	.017	.017	.001
08FCM	141	.017	.014	.013	.012	.014	.002
08FCM	148	.024	.025	.027	.026	.026	.001
08FCM	162	.018	.018	.021	.009	.017	.005
08FCM6	126	.022	.024	.022	.024	.023	.001
08FCM8	129	.036	.022	.029	.024	.028	.006
08FCM9	133	.020	.026	.026	.021	.023	.003
08FCM1	141	.040	.025	.021	.022	.027	.009
08FCM2	148	.021	.033	.029	.022	.026	.006
08FCM5	162	.025	.023	.026	.027	.025	.002
08FCW	126	.016	.031	.015	.018	.020	.007
08FCW	129	.027	.017	.018	.022	.021	.005
08FCW	133	.019	.020	.020	.019	.020	.001
08FCW	141	.020	.019	.022	.021	.021	.001
08FCW	148	.011	.013	.014	.013	.013	.001
08FCW	162	.007	.010	.013	.014	.011	.003
08FCW0	126	.021	.024	.021	.023	.022	.001
08FCW8	129	.031	.044	.030	.029	.034	.007
08FCW1	133	.026	.028	.023	.024	.025	.002
08FCW6	141	.028	.028	.028	.041	.031	.007
08FCW9	148	.023	.022	.021	.028	.024	.003
08FCW5	162	.016	.016	.015	.011	.015	.002

Table 9.--*Phosphorus concentration in filtered samples collected from station 9*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09FCA	125	0.049	0.049	0.055	0.051	0.051	0.003
09FCA	126	.047	.044	.048	.046	.046	.002
09FCA	128	.059	.050	.056	.051	.054	.004
09FCA	135	.045	.051	.041	.046	.046	.004
09FCA	147	.045	.048	.049	.046	.047	.002
09FCA	161	.043	.041	.039	.045	.042	.003
09FCA7	125	.054	.056	.060	.051	.055	.004
09FCA3	126	.042	.044	.049	.042	.044	.003
09FCA1	128	.060	.058	.060	.053	.058	.003
09FCA5	135	.055	.054	.052	.072	.058	.009
09FCA4	147	.047	.049	.046	.045	.047	.002
09FCA6	161	.043	.040	.043	.035	.040	.004
09FCM	125	.19	.19	.21	.24	.21	.03
09FCM	126	.046	.042	.049	.049	.047	.003
09FCM	128	.052	.054	.048	.051	.051	.003
09FCM	135	.048	.061	.048	.049	.052	.006
09FCM	147	.047	.047	.048	.044	.047	.002
09FCM	161	.060	.062	.062	.064	.062	.002
09FCM5	125	.24	.23	.22	.23	.23	.01
09FCM6	126	.042	.042	.043	.045	.043	.001
09FCM8	128	.046	.048	.051	.049	.049	.002
09FCM9	135	.06	.07	.05	.05	.06	.01
09FCM1	147	.044	.044	.048	.048	.046	.002
09FCM3	161	.051	.060	.057	.045	.053	.007
09FCW	125	.045	.038	.044	.039	.042	.004
09FCW	126	.053	.060	.054	.051	.055	.004
09FCW	128	.042	.043	.033	.046	.041	.006
09FCW	135	.044	.048	.045	.045	.046	.002
09FCW	147	.037	.036	.032	.033	.035	.002
09FCW	161	.052	.049	.038	.044	.046	.006
09FCW5	125	.047	.059	.041	.043	.048	.008
09FCW0	126	.063	.055	.057	.068	.061	.006
09FCW8	128	.048	.047	.042	.046	.046	.003
09FCW1	135	.05	.05	.04	.07	.05	.01
09FCW6	147	.035	.033	.040	.038	.037	.003
09FCW2	161	.06	.07	.05	.05	.06	.01

Table 10.--*Phosphorus concentration in filtered samples collected from station 10*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10FCA	129	0.001	0.005	0.005	-0.001	0.003	0.003
10FCA	132	.007	.009	.011	.006	.008	.002
10FCA	135	-.006	-.003	-.006	-.007	-.006	.002
10FCA	142	-.014	-.010	-.012	-.012	-.012	.002
10FCA	149	.003	.004	-.003	.004	.002	.003
10FCA	163	-.005	-.008	-.005	-.006	-.006	.001
10FCA8	129	.004	.000	-.002	.001	.001	.003
10FCA4	132	.013	.009	.007	.006	.009	.003
10FCA9	135	-.002	-.003	-.002	-.004	-.003	.001
10FCA2	142	-.009	-.010	-.006	-.005	-.008	.002
10FCA0	149	-.004	.015	-.001	.003	.003	.008
10FCA1	163	-.006	-.008	-.004	-.006	-.006	.002
10FCM	129	.000	.005	.000	.007	.003	.004
10FCM	132	-.003	-.002	-.007	-.005	-.004	.002
10FCM	135	.003	-.002	.004	.004	.002	.003
10FCM	142	-.006	-.008	-.008	-.002	-.006	.003
10FCM	149	-.014	-.017	-.018	-.017	-.017	.002
10FCM	163	-.003	-.005	-.004	-.005	-.004	.001
10FCM8	129	-.001	.001	.003	.000	.001	.002
10FCM7	132	-.001	-.002	-.003	-.001	-.002	.001
10FCM1	135	.001	.006	.001	.004	.003	.002
10FCM9	142	.003	-.007	-.005	-.001	-.003	.004
10FCM4	149	-.007	-.011	-.012	-.012	-.011	.002
10FCM6	163	-.001	-.001	.000	-.002	-.001	.001
10FCW	129	-.017	-.006	-.018	-.018	-.015	.006
10FCW	132	-.003	-.003	-.006	-.008	-.005	.002
10FCW	135	-.006	-.004	-.007	-.006	-.006	.001
10FCW	142	-.017	-.016	-.018	-.015	-.017	.001
10FCW	149	-.011	-.016	-.012	-.012	-.013	.002
10FCW	163	-.011	-.010	-.010	-.009	-.010	.001
10FCW4	129	-.018	-.015	-.016	-.016	-.016	.001
10FCW7	132	-.001	.000	-.001	-.004	-.002	.002
10FCW9	135	.003	-.001	-.001	.001	.001	.002
10FCW5	142	-.009	-.012	-.013	-.009	-.011	.002
10FCW0	149	.010	-.003	-.007	-.004	-.001	.008
10FCW1	163	-.010	-.008	-.006	-.002	-.007	.003

Table 11.--*Phosphorus concentration in filtered samples collected from station 11*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11FCA	133	0.023	0.020	0.026	0.022	0.023	0.002
11FCA	136	.025	.016	.020	.021	.021	.004
11FCA	140	.026	.034	.024	.022	.027	.005
11FCA	148	.022	.023	.018	.023	.022	.002
11FCA	155	.011	.017	.015	.013	.014	.003
11FCA	168	.019	.018	.020	.018	.019	.001
11FCA6	133	.024	.020	.019	.020	.021	.002
11FCA0	136	.026	.021	.020	.022	.022	.003
11FCA9	140	.022	.024	.027	.026	.025	.002
11FCA1	148	.028	.026	.025	.026	.026	.001
11FCA5	155	.019	.015	.019	.017	.018	.002
11FCA8	168	.021	.017	.021	.019	.020	.002
11FCM	133	.023	.017	.023	.017	.020	.003
11FCM	136	.027	.029	.029	.029	.029	.001
11FCM	140	.029	.031	.030	.030	.030	.001
11FCM	148	.026	.033	.029	.023	.028	.004
11FCM	155	.019	.015	.015	.014	.016	.002
11FCM	168	.008	.012	.011	.007	.010	.002
11FCM9	133	.018	.023	.022	.020	.021	.002
11FCM8	136	.027	.023	.025	.027	.026	.002
11FCM5	140	.028	.029	.028	.028	.028	.000
11FCM3	148	.04	.06	.03	.04	.04	.01
11FCM6	155	.020	.025	.032	.022	.025	.005
11FCM0	168	.011	.010	.010	.010	.010	.000
11FCW	133	.026	.030	.030	.029	.029	.002
11FCW	136	.023	.024	.024	.027	.025	.002
11FCW	140	.028	.024	.027	.024	.026	.002
11FCW	148	.012	.020	.010	.013	.014	.004
11FCW	155	.010	.012	.011	.004	.009	.004
11FCW	168	.016	.017	.019	.017	.017	.001
11FCW1	133	.030	.031	.031	.037	.032	.003
11FCW8	136	.024	.023	.018	.025	.023	.003
11FCW5	140	.027	.025	.025	.030	.027	.002
11FCW2	148	.017	.018	.014	.006	.014	.005
11FCW0	155	.019	.018	.017	.015	.017	.002
11FCW4	168	.021	.017	.018	.021	.019	.002

Table 12.--*Phosphorus concentration in filtered samples collected from station 12*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12FCA	136	0.114	0.117	0.121	0.126	0.120	0.005
12FCA	139	.123	.128	.135	.127	.128	.005
12FCA	143	.131	.127	.134	.129	.130	.003
12FCA	149	.118	.113	.111	.112	.114	.003
12FCA	156	.106	.121	.103	.103	.108	.009
12FCA	170	.125	.121	.122	.124	.123	.002
12FCA0	136	.121	.125	.126	.122	.124	.002
12FCA7	139	.131	.134	.128	.130	.131	.002
12FCA3	143	.126	.132	.128	.126	.128	.003
12FCA9	149	.123	.115	.127	.113	.120	.007
12FCA4	156	.117	.126	.126	.122	.123	.004
12FCA5	170	.123	.125	.120	.120	.122	.002
12FCM	136	.121	.120	.130	.134	.126	.007
12FCM	139	.13	.13	.14	.15	.13	.01
12FCM	143	.127	.120	.119	.128	.124	.005
12FCM	149	.118	.121	.123	.118	.120	.002
12FCM	156	.13	.10	.13	.13	.12	.02
12FCM	170	.129	.131	.124	.126	.128	.003
12FCM4	136	.129	.132	.128	.138	.132	.004
12FCM3	139	.129	.138	.128	.134	.132	.005
12FCM2	143	.128	.120	.126	.129	.126	.004
12FCM5	149	.121	.133	.126	.126	.127	.005
12FCM7	156	.119	.117	.125	.125	.122	.004
12FCM1	170	.123	.127	.121	.127	.125	.003
12FCW	136	.127	.124	.128	.117	.124	.005
12FCW	139	.118	.125	.120	.117	.120	.004
12FCW	143	.118	.122	.129	.130	.125	.006
12FCW	149	.110	.103	.109	.113	.109	.004
12FCW	156	.130	.122	.130	.131	.128	.004
12FCW	170	.121	.123	.122	.124	.123	.001
12FCW1	136	.128	.129	.129	.129	.129	.001
12FCW6	139	.118	.125	.129	.114	.122	.007
12FCW2	143	.124	.133	.125	.121	.126	.005
12FCW9	149	.113	.116	.122	.118	.117	.004
12FCW5	156	.128	.145	.132	.126	.133	.009
12FCW8	170	.127	.126	.127	.125	.126	.001

Table 13.--*Phosphorus concentration in filtered samples collected from station 13*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13FCA	140	0.021	0.024	0.028	0.028	0.025	0.003
13FCA	143	.038	.037	.039	.038	.038	.001
13FCA	147	.029	.033	.030	.030	.031	.002
13FCA	155	.030	.033	.029	.030	.031	.002
13FCA	161	.022	.031	.022	.021	.024	.005
13FCA	175	.027	.028	.033	.025	.028	.003
13FCA0	140	.028	.032	.035	.031	.032	.003
13FCA8	143	.038	.038	.040	.039	.039	.001
13FCA7	147	.030	.033	.031	.031	.031	.001
13FCA2	155	.033	.033	.033	.031	.033	.001
13FCA1	161	.029	.025	.041	.028	.031	.007
13FCA5	175	.034	.031	.027	.030	.031	.003
13FCM	140	.086	.072	.071	.075	.076	.007
13FCM	143	.072	.076	.073	.080	.075	.004
13FCM	147	.088	.081	.081	.080	.083	.004
13FCM	155	.069	.066	.064	.066	.066	.002
13FCM	161	.10	.08	.07	.08	.08	.01
13FCM	175	.072	.073	.079	.078	.076	.004
13FCM0	140	.034	.035	.032	.039	.035	.003
13FCM4	143	.023	.027	.025	.030	.026	.003
13FCM5	147	.034	.037	.028	.034	.033	.004
13FCM2	155	.028	.027	.033	.031	.030	.003
13FCM8	161	.033	.038	.036	.035	.036	.002
13FCM9	175	.033	.025	.030	.032	.030	.004
13FCW	140	.033	.038	.037	.032	.035	.003
13FCW	143	.030	.029	.031	.028	.030	.001
13FCW	147	.021	.015	.019	.019	.019	.003
13FCW	155	.031	.031	.031	.029	.031	.001
13FCW	161	.016	.015	.019	.016	.017	.002
13FCW	175	.023	.027	.029	.028	.027	.003
13FCW4	140	.028	.030	.026	.032	.029	.003
13FCW7	143	.027	.030	.026	.022	.026	.003
13FCW5	147	.013	.024	.016	.014	.017	.005
13FCW9	155	.027	.036	.036	.027	.032	.005
13FCW8	161	.023	.017	.022	.017	.020	.003
13FCW1	175	.027	.027	.026	.025	.026	.001

Table 14.--*Phosphorus concentration in filtered samples collected from station 14*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14FCA	143	0.189	0.188	0.184	0.203	0.191	0.008
14FCA	147	.187	.193	.192	.185	.189	.004
14FCA	150	.21	.18	.19	.19	.19	.01
14FCA	157	.179	.162	.158	.171	.168	.009
14FCA	163	.166	.176	.184	.170	.174	.008
14FCA	175	.191	.185	.193	.185	.189	.004
14FCA4	143	.198	.200	.196	.202	.199	.003
14FCA3	147	.203	.203	.191	.196	.198	.006
14FCA0	150	.20	.19	.18	.18	.19	.01
14FCA8	157	.181	.171	.170	.189	.178	.009
14FCA5	163	.175	.188	.177	.181	.180	.006
14FCA1	175	.194	.188	.187	.196	.191	.004
14FCM	143	.176	.177	.187	.176	.179	.005
14FCM	147	.176	.175	.161	.173	.171	.007
14FCM	150	.177	.171	.169	.171	.172	.003
14FCM	157	.161	.171	.167	.173	.168	.005
14FCM	163	.16	.16	.17	.19	.17	.01
14FCM	175	.179	.178	.179	.183	.18	.002
14FCM5	143	.190	.185	.191	.190	.189	.003
14FCM9	147	.184	.181	.198	.191	.189	.008
14FCM6	150	.176	.182	.184	.180	.181	.003
14FCM7	157	.187	.182	.177	.181	.182	.004
14FCM1	163	.20	.19	.18	.17	.19	.01
14FCM8	175	.191	.189	.185	.185	.188	.003
14FCW	143	.161	.159	.166	.164	.163	.003
14FCW	147	.166	.163	.165	.166	.165	.001
14FCW	150	.18	.14	.21	.16	.17	.03
14FCW	157	.181	.187	.185	.196	.187	.006
14FCW	163	.175	.192	.174	.177	.180	.008
14FCW	175	.171	.165	.165	.164	.166	.003
14FCW6	143	.173	.171	.180	.179	.176	.004
14FCW3	147	.184	.184	.177	.193	.185	.007
14FCW4	150	.17	.17	.18	.20	.18	.01
14FCW8	157	.19	.22	.20	.20	.20	.01
14FCW9	163	.183	.187	.191	.188	.187	.003
14FCW5	175	.18	.16	.17	.19	.18	.01

Table 15.--*Phosphorus concentration in filtered samples collected from station 15*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15FCA	148	0.106	0.099	0.097	0.100	0.101	0.004
15FCA	150	.096	.090	.090	.101	.094	.005
15FCA	153	.089	.090	.083	.086	.087	.003
15FCA	157	.084	.085	.089	.096	.089	.005
15FCA	168	.094	.093	.093	.087	.092	.003
15FCA	181	.093	.094	.091	.094	.093	.001
15FCA5	148	.080	.078	.074	.077	.077	.003
15FCA9	150	.082	.085	.081	.083	.083	.002
15FCA1	153	.057	.057	.063	.056	.058	.003
15FCA6	157	.080	.084	.072	.076	.078	.005
15FCA0	168	.073	.074	.072	.072	.073	.001
15FCA4	181	.078	.075	.078	.079	.078	.002
15FCM	148	.089	.089	.088	.097	.091	.004
15FCM	150	.075	.071	.072	.075	.073	.002
15FCM	153	.096	.100	.098	.099	.098	.002
15FCM	157	.078	.089	.075	.073	.079	.007
15FCM	168	.094	.077	.077	.075	.081	.009
15FCM	181	.088	.088	.084	.084	.086	.002
15FCM1	148	.054	.056	.052	.056	.055	.002
15FCM4	150	.042	.047	.042	.042	.043	.002
15FCM8	153	.053	.059	.053	.049	.054	.004
15FCM2	157	.051	.053	.058	.052	.054	.003
15FCM6	168	.040	.041	.043	.038	.041	.002
15FCM5	181	.056	.058	.059	.059	.058	.001
15FCW	148	.078	.067	.072	.064	.070	.006
15FCW	150	.067	.062	.067	.063	.065	.003
15FCW	153	.081	.080	.075	.077	.078	.003
15FCW	157	.073	.079	.074	.076	.076	.003
15FCW	168	.078	.071	.075	.073	.074	.003
15FCW	181	.065	.069	.065	.066	.066	.002
15FCW9	148	.085	.090	.089	.089	.088	.002
15FCW2	150	.10	.08	.08	.07	.08	.01
15FCW5	153	.090	.093	.093	.092	.092	.001
15FCW7	157	.101	.096	.099	.095	.098	.003
15FCW4	168	.085	.096	.093	.097	.093	.005
15FCW6	181	.084	.087	.082	.080	.083	.003

Table 16.--*Phosphorus concentration in unfiltered samples collected from station 1*

[Samples were diluted 1+1 prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01RCA	104	--	--	--	--	--	--
01RCA	109	2.20	2.12	2.17	2.09	2.14	0.05
01RCA	112	2.07	2.10	2.03	2.10	2.08	.04
01RCA	114	1.98	1.95	1.97	1.96	1.97	.01
01RCA	125	2.08	2.08	1.98	2.17	2.07	.08
01RCA	139	2.08	2.11	2.19	2.13	2.13	.04
01RCA1	104	--	--	--	--	--	--
01RCA6	109	2.06	2.09	2.11	2.08	2.08	.02
01RCA5	112	2.08	2.08	2.07	2.13	2.09	.03
[1]01RCA5	114	1.97	1.90	1.90	2.03	1.95	.06
01RCA9	125	2.12	2.00	2.09	2.13	2.09	.06
01RCA8	139	2.18	2.18	2.20	2.18	2.19	.01
01RCM	104	--	--	--	--	--	--
01RCM	105	2.17	2.05	2.09	2.08	2.10	.05
01RCM	109	2.12	2.25	2.11	2.14	2.15	.07
01RCM	112	2.09	2.08	2.08	2.14	2.10	.03
01RCM	114	1.97	2.06	1.97	1.95	1.99	.05
01RCM	125	2.12	2.28	2.06	2.12	2.15	.09
01RCM	139	1.90	1.99	2.05	2.01	1.99	.07
01RCM6	104	--	--	--	--	--	--
01RCM5	105	2.09	2.01	2.10	1.98	2.05	.06
01RCM1	109	2.14	2.08	2.05	2.11	2.10	.04
01RCM4	112	2.12	2.11	2.10	2.05	2.09	.03
[1]01RCM4	114	1.97	1.98	1.98	2.07	2.00	.05
01RCM8	125	2.31	2.22	2.31	2.22	2.27	.06
01RCM9	139	2.04	2.04	2.11	2.05	2.06	.03
01RCW	104	--	--	--	--	--	--
01RCW	105	2.00	2.04	2.13	2.04	2.05	.05
01RCW	109	2.12	2.05	1.94	2.05	2.04	.08
01RCW	112	2.00	2.07	2.00	1.97	2.01	.04
01RCW	114	1.97	1.94	1.85	1.96	1.93	.05
01RCW	125	2.02	2.06	2.06	2.08	2.06	.03
01RCW	139	1.98	1.92	2.00	1.92	1.96	.04
01RCW3	104	--	--	--	--	--	--
01RCW6	105	2.04	1.99	2.00	2.10	2.03	.05
01RCW7	109	1.88	1.88	1.88	1.89	1.88	.00
01RCW8	112	1.96	2.01	2.03	1.95	1.99	.04
[1]01RCW8	114	1.95	1.94	1.93	1.95	1.94	.01
01RCW1	125	2.01	2.05	2.13	2.02	2.05	.06
01RCW5	139	1.94	1.98	1.95	1.99	1.96	.02

[1]Repeat analysis on the same small-bottle split.

Table 17.--*Phosphorus concentration in unfiltered samples collected from station 2*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]02RCA	109	0.96	0.99	0.96	0.97	0.97	0.02
02RCA	112	.99	.99	.98	.97	.98	.01
02RCA	114	.92	.95	.92	.96	.94	.02
02RCA	121	1.00	1.00	.99	1.00	1.00	.01
02RCA	127	.99	.99	1.00	1.00	.99	.01
02RCA	142	1.00	1.01	.99	1.02	1.01	.01
[1]02RCA7	109	.97	.98	.97	.95	.97	.01
02RCA5	112	.98	.98	.99	.99	.99	.01
02RCA9	114	.95	.94	.91	.93	.93	.02
02RCA8	121	.97	.99	.99	.98	.98	.01
02RCA2	127	1.01	1.01	1.00	1.00	1.01	.01
02RCA0	142	1.00	.94	.94	.99	.97	.03
[1]02RCM	109	.90	.90	.91	.91	.91	.01
02RCM	112	.96	.98	1.04	.98	.99	.03
02RCM	114	.97	.96	.94	.92	.95	.02
02RCM	121	1.06	1.07	1.09	1.06	1.07	.01
02RCM	127	.89	.81	.91	1.00	.90	.08
02RCM	142	.92	.83	.95	.96	.91	.06
[1]02RCM3	109	.97	1.01	1.02	.98	.99	.02
02RCM5	112	1.00	1.00	1.02	.98	1.00	.02
02RCM1	114	.92	.95	.96	.94	.94	.01
02RCM8	121	1.03	1.05	1.03	1.02	1.03	.01
02RCM9	127	.99	1.02	1.02	.96	1.00	.03
02RCM4	142	.96	.93	.92	.87	.92	.04
[1]02RCW	109	.81	.81	.88	.88	.84	.04
02RCW	112	.97	.97	.94	.94	.95	.02
02RCW	114	.93	.93	.90	.96	.93	.02
02RCW	121	.98	.97	.95	.99	.97	.02
02RCW	127	.96	.96	1.00	.98	.97	.02
02RCW	142	.93	.99	.95	.99	.97	.03
[1]02RCW6	109	.92	.93	.94	.91	.93	.01
02RCW9	112	1.00	.96	.93	.90	.95	.04
02RCW8	114	.88	.89	.91	.93	.90	.02
02RCW4	121	1.03	.98	1.00	.98	1.00	.02
02RCW7	127	1.01	1.02	1.02	.95	1.00	.03
02RCW1	142	1.01	1.05	1.01	.98	1.01	.03

[1]Sample was diluted 1+1 prior to digestion.

Table 18.--*Phosphorus concentration in unfiltered samples collected from station 3*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03RCA	112	0.262	0.261	0.264	0.266	0.263	0.002
03RCA	115	.23	.22	[1].26	.22	.23	.02
03RCA	119	.220	.218	.220	.222	.220	.002
03RCA	127	.261	.264	.267	.263	.264	.002
03RCA	134	.255	.268	.247	.257	.257	.009
03RCA	148	.252	.254	.254	.267	.257	.007
03RCA5	112	.260	.259	.257	.258	.259	.001
03RCA8	115	.220	.220	.222	.216	.220	.003
03RCA0	119	.230	.228	[1].257	.228	.229	.001
03RCA3	127	.271	.268	.269	.281	.272	.006
03RCA9	134	.258	.266	.266	.249	.260	.008
03RCA1	148	.250	.259	.253	.257	.255	.004
03RCM	112	[1].307	.290	.279	.288	.286	.006
03RCM	115	.247	.254	.244	.241	.247	.006
03RCM	119	.243	.233	.228	.236	.235	.006
03RCM	127	.292	.281	.282	.281	.284	.005
03RCM	134	.272	.278	.277	.267	.274	.005
03RCM	148	.259	.260	.244	.257	.255	.007
03RCM8	112	.279	.283	.290	.285	.284	.005
03RCM3	115	[1].266	.238	.236	.235	.236	.002
03RCM5	119	.238	.241	.239	.237	.239	.002
03RCM2	127	.274	.282	.267	.273	.274	.006
03RCM1	134	.266	.258	.268	.262	.264	.004
03RCM6	148	.237	.250	.254	.237	.245	.009
03RCW	112	.260	.275	.258	.259	.263	.008
03RCW	115	.25	.24	.26	.25	.25	.01
03RCW	119	.247	.266	.247	.252	.253	.009
03RCW	127	.257	.256	.253	.256	.256	.002
03RCW	134	.268	.248	.262	.254	.258	.009
03RCW	148	.257	.254	.244	.264	.255	.008
03RCW8	112	.249	.244	.240	.242	.244	.004
03RCW2	115	.222	.228	.229	.223	.226	.004
03RCW5	119	.250	.253	.253	.255	.253	.002
03RCW3	127	.266	.268	.260	.264	.265	.003
03RCW6	134	.24	.25	.26	.27	.25	.01
03RCW0	148	.26	.29	.27	.28	.27	.01

[1]Point was not used to calculate average and standard deviation.

Table 19.--*Phosphorus concentration in unfiltered samples collected from station 4*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]04RCA	115	1.00	1.04	1.02	1.02	1.02	0.01
04RCA	118	1.09	1.10	1.12	1.08	1.10	.02
04RCA	122	1.13	1.03	1.01	1.11	1.07	.06
04RCA	128	1.15	1.07	1.12	1.13	1.12	.03
04RCA	135	1.141	1.163	1.153	1.156	1.153	.009
04RCA	149	1.096	1.090	1.101	1.097	1.096	.005
[1]04RCA8	115	1.05	[2]0.92	1.05	1.08	1.06	.02
04RCA9	118	1.19	1.15	[2]1.32	1.16	1.17	.02
04RCA4	122	1.064	1.055	[2]1.130	1.052	1.057	.006
04RCA3	128	1.07	1.12	1.01	1.07	1.07	.04
04RCA5	135	1.13	1.15	1.18	1.17	1.16	.02
04RCA2	149	1.09	1.15	1.11	1.11	1.11	.02
[1]04RCM	115	1.02	1.05	1.02	1.06	1.04	.02
04RCM	118	1.09	1.07	1.05	1.08	1.07	.01
04RCM	122	.93	1.00	1.06	1.04	1.01	.06
04RCM	128	1.06	1.11	1.10	1.10	1.09	.02
04RCM	135	1.08	1.05	1.02	1.08	1.06	.03
04RCM	149	.91	[2]0.80	.91	.94	.92	.02
[1]04RCM8	115	[2]1.11	1.03	1.03	.99	1.02	.02
04RCM1	118	1.08	1.06	1.05	1.09	1.07	.02
04RCM7	122	1.03	1.10	1.03	.97	1.03	.06
04RCM2	128	1.09	1.14	[2]0.58	1.15	1.13	.04
04RCM5	135	1.06	1.07	1.10	1.08	1.08	.02
04RCM9	149	.76	.85	.80	.83	.81	.04
[1]04RCW	115	.96	.99	.98	1.00	.98	.02
04RCW	118	1.01	1.04	1.05	1.05	1.04	.02
04RCW	122	.96	1.03	1.04	1.04	1.02	.04
04RCW	128	1.02	.97	1.14	1.09	1.05	.07
04RCW	135	.99	.96	.99	.97	.98	.01
04RCW	149	1.03	.95	1.01	.95	.98	.04
[1]04RCW1	115	1.01	.98	1.00	.97	.99	.02
04RCW2	118	1.04	1.07	1.04	.99	1.04	.03
04RCW3	122	1.00	1.00	1.00	.98	.99	.01
04RCW4	128	[2]0.82	1.06	.96	.98	1.00	.06
04RCW5	135	1.00	1.02	.93	1.01	.99	.04
04RCW6	149	.96	1.03	.91	1.01	.98	.05

[1]Sample was diluted 1+1 prior to digestion.
[2]Point was not used to calculate average and standard deviation.

Table 20.--*Phosphorus concentration in unfiltered samples collected from station 5*

[All samples were diluted 1+4 prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
05RCA	120	4.66	4.56	4.60	4.52	4.58	0.06
05RCA	122	4.83	4.81	4.93	4.75	4.83	.08
05RCA	127	5.08	5.03	5.08	5.03	5.05	.03
05RCA	133	5.09	5.04	5.09	4.97	5.05	.06
05RCA	141	5.3	4.9	5.2	5.0	5.1	.2
05RCA	155	4.80	4.63	4.65	4.62	4.67	.09
05RCA0	120	4.54	1.71	4.66	4.74	4.66	.09
05RCA3	122	4.8	4.8	5.0	4.7	4.8	.1
05RCA7	127	5.0	5.0	4.8	4.9	4.9	.1
05RCA8	133	4.9	4.9	5.0	5.2	5.0	.1
05RCA6	141	4.96	4.94	5.00	4.94	4.96	.03
05RCA5	155	4.7	4.6	4.7	4.8	4.7	.1
05RCM	120	4.59	4.61	4.48	4.63	4.58	.07
05RCM	122	5.1	5.3	4.8	5.0	5.0	.2
05RCM	127	5.08	5.01	5.02	5.11	5.06	.05
05RCM	133	4.9	5.0	5.1	4.9	5.0	.1
05RCM	141	5.03	4.88	4.87	5.02	4.95	.09
05RCM	155	4.46	4.41	4.43	4.34	4.41	.05
05RCM4	120	4.73	4.61	4.46	4.54	4.58	.12
05RCM2	122	4.84	4.58	4.80	4.77	4.75	.11
05RCM3	127	4.63	4.86	5.02	4.87	4.85	.16
05RCM8	133	5.09	5.01	5.01	4.88	5.00	.09
05RCM0	141	4.9	4.9	5.1	4.9	4.9	.1
05RCM5	155	4.41	4.40	4.58	4.44	4.46	.08
05RCW	120	4.66	4.62	4.57	4.48	4.58	.08
05RCW	122	5.1	4.7	4.7	5.0	4.9	.2
05RCW	127	5.3	5.6	5.2	5.3	5.3	.2
05RCW	133	4.90	4.94	4.97	4.92	4.93	.03
05RCW	141	5.04	4.92	4.97	4.95	4.97	.05
05RCW	155	5.0	4.8	4.8	5.0	4.9	.1
05RCW1	120	4.47	4.37	4.55	4.36	4.44	.09
05RCW2	122	4.60	4.78	4.66	4.65	4.67	.08
05RCW6	127	4.9	5.1	4.9	5.3	5.1	.2
05RCW4	133	4.97	5.01	4.87	4.86	4.93	.08
05RCW0	141	4.97	4.96	4.94	4.84	4.93	.06
05RCW9	155	4.8	4.7	4.6	5.0	4.8	.2

Table 21.--*Phosphorus concentration in unfiltered samples collected from station 6*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
06RCA	118	0.009	0.004	0.007	0.000	0.005	0.004
06RCA	119	-.012	-.009	-.011	-.006	-.010	.003
06RCA	121	.018	.000	.002	-.001	.005	.009
06RCA	128	.001	.001	.009	.005	.004	.004
06RCA	139	-.003	.007	.005	-.001	.002	.005
06RCA	153	-.031	-.027	-.032	-.031	-.030	.002
06RCA6	118	.010	.028	.009	.012	.015	.009
06RCA3	119	-.008	-.010	-.011	-.010	-.010	.001
06RCA9	121	.027	.012	.018	.011	.017	.007
06RCA5	128	.009	.025	.014	.008	.014	.008
06RCA8	139	.011	.021	.008	.008	.012	.006
06RCA1	153	-.018	-.027	-.027	-.017	-.022	.006
06RCM	118	.000	.001	.001	.008	.003	.004
06RCM	119	.000	-.003	-.008	.000	-.003	.004
06RCM	121	-.011	-.013	-.010	-.002	-.009	.005
06RCM	128	.004	.005	.012	.009	.008	.004
06RCM	139	.005	.000	.003	.000	.002	.002
06RCM	153	.010	.012	.012	.009	.011	.001
06RCM0	118	.019	.003	.007	.011	.010	.007
06RCM2	119	.004	.004	.003	.001	.003	.001
06RCM1	121	.017	.006	-.002	.003	.006	.008
06RCM5	128	.01	.03	.02	.00	.01	.01
06RCM8	139	.03	.00	.01	.00	.01	.01
06RCM6	153	.015	.015	.013	.011	.014	.002
06RCW	118	.008	.012	.010	.017	.012	.004
06RCW	119	.013	.012	.012	.011	.012	.001
06RCW	121	.016	.008	.002	.002	.007	.007
06RCW	128	-.004	.000	-.004	-.001	-.002	.002
06RCW	139	.013	.011	.014	.012	.013	.001
06RCW	153	.003	.012	.009	.007	.008	.004
06RCW4	118	.018	.015	[1].038	.017	.017	.002
06RCW6	119	.012	.011	.014	.007	.011	.003
06RCW8	121	.004	.015	.003	.012	.009	.006
06RCW2	128	.007	.025	.007	.006	.011	.009
06RCW7	139	.017	.021	.014	.014	.017	.003
06RCW3	153	.007	.005	.001	.004	.004	.002

[1]Point was not used to calculate average and standard deviation.

Table 22.--*Phosphorus concentration in unfiltered samples collected from station 7*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07RCA	122	0.68	0.68	0.69	0.60	0.66	0.04
07RCA	125	.72	.76	.74	.70	.73	.03
07RCA	129	.71	.73	.74	.76	.74	.02
07RCA	134	.78	.76	.79	.77	.77	.02
07RCA	142	.80	.76	.79	.77	.78	.02
07RCA	156	.75	.74	.73	.76	.74	.01
07RCA8	122	.72	.71	.69	.67	.70	.02
07RCA0	125	.77	.77	.72	.75	.75	.02
07RCA3	129	.75	.76	.76	.72	.75	.02
07RCA9	134	.74	.75	.78	.77	.76	.02
07RCA5	142	.797	.796	.786	.809	.797	.009
07RCA6	156	.76	.80	.79	.75	.77	.02
07RCM	122	.75	.71	.75	.58	.70	.08
07RCM	125	.76	.76	.81	.74	.77	.03
07RCM	129	.77	.79	.77	.79	.78	.01
07RCM	134	.80	.80	.82	.79	.80	.01
07RCM	142	.80	.75	.74	.75	.76	.03
07RCM	156	.65	.67	.65	.61	.64	.03
07RCM8	122	.74	.79	.74	.75	.76	.02
07RCM4	125	.81	.82	.80	.79	.80	.01
07RCM2	129	.78	.79	.78	.84	.80	.03
07RCM1	134	.792	.797	.807	.790	.797	.008
07RCM5	142	.71	.74	.72	.71	.72	.02
07RCM0	156	.71	.63	.70	.70	.69	.04
07RCW	122	.61	.64	.59	.62	.61	.02
07RCW	125	.76	.78	.75	.76	.76	.01
07RCW	129	.75	.74	.73	.66	.72	.04
07RCW	134	.785	.800	.791	.786	.791	.007
07RCW	142	.754	.765	.768	.774	.765	.008
07RCW	156	.84	.79	.82	.81	.81	.02
07RCW4	122	.69	.73	.70	.69	.70	.02
07RCW1	125	.78	.81	.76	.76	.78	.02
07RCW2	129	.82	.76	.80	.76	.79	.03
07RCW8	134	.81	.79	.80	.83	.81	.02
07RCW9	142	.76	.72	.76	.78	.76	.03
07RCW0	156	.80	.81	.77	.79	.79	.02

Table 23.--*Phosphorus concentration in unfiltered samples collected from station 8*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08RCA	126	0.027	0.021	0.025	0.026	0.025	0.003
08RCA	129	.036	.038	.047	.033	.039	.006
08RCA	133	.023	.028	.030	.032	.028	.004
08RCA	141	.026	.026	.023	.023	.025	.002
08RCA	148	.034	.032	.031	.030	.032	.002
08RCA	162	.015	.026	.025	.022	.022	.005
08RCA8	126	.020	.018	.019	.021	.020	.001
08RCA5	129	.040	.046	.039	.038	.041	.004
08RCA3	133	.028	.035	.036	.035	.034	.004
08RCA6	141	.031	.031	.026	.030	.030	.002
08RCA4	148	.033	.034	.032	.033	.033	.001
08RCA9	162	.025	.030	.034	.025	.029	.004
08RCM	126	.030	.036	.032	.030	.032	.003
08RCM	129	.031	.031	.033	.035	.033	.002
08RCM	133	.025	.024	.027	.027	.026	.001
08RCM	141	.027	.028	.033	.026	.029	.003
08RCM	148	.030	.027	.033	.029	.030	.002
08RCM	162	.025	.025	.026	.026	.026	.001
08RCM8	126	.032	.034	.038	.032	.034	.003
08RCM5	129	.035	.034	.028	.031	.032	.003
08RCM2	133	.028	.033	.030	.034	.031	.003
08RCM0	141	.027	.031	.030	.024	.028	.003
08RCM7	148	.04	.03	.04	.05	.04	.01
08RCM1	162	.027	.027	.033	.030	.029	.003
08RCW	126	.052	.045	.046	.044	.047	.004
08RCW	129	.030	.036	.033	.033	.033	.002
08RCW	133	.031	.035	.029	.026	.030	.004
08RCW	141	.031	.032	.030	.030	.031	.001
08RCW	148	.023	.025	.027	.024	.025	.002
08RCW	162	.022	.020	.019	.021	.021	.001
08RCW4	126	.033	.031	.032	.031	.032	.001
08RCW9	129	.042	.042	.040	.049	.043	.004
08RCW2	133	.026	.027	.032	.027	.028	.003
08RCW0	141	.035	.034	.032	.031	.033	.002
08RCW5	148	.025	.026	.022	.028	.025	.002
08RCW8	162	.022	.023	.018	.022	.021	.002

Table 24.--*Phosphorus concentration in unfiltered samples collected from station 9*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09RCA	125	0.142	0.139	0.137	0.143	0.140	0.003
09RCA	126	.137	.135	.135	.142	.137	.003
09RCA	128	.16	.17	.15	.18	.17	.01
09RCA	135	.125	.128	.133	.122	.127	.005
09RCA	147	.144	.144	.137	.144	.142	.004
09RCA	161	.136	.140	.135	.121	.133	.008
09RCA5	125	.151	.156	.152	.150	.152	.003
09RCA0	126	.141	.149	.145	.143	.145	.003
09RCA3	128	.181	.178	.162	.179	.175	.009
09RCA8	135	.145	.148	.148	.144	.146	.002
09RCA2	147	.152	.148	.152	.146	.150	.003
09RCA4	161	.13	.13	.15	.13	.13	.01
09RCM	125	.26	.26	.24	.25	.25	.01
09RCM	126	.153	.157	.162	.160	.158	.004
09RCM	128	.188	.189	.194	.198	.192	.005
09RCM	135	.157	.161	.155	.158	.158	.003
09RCM	147	.159	.152	.154	.149	.154	.004
09RCM	161	.164	.157	.152	.167	.160	.007
09RCM1	125	.266	.263	.279	.267	.269	.007
09RCM6	126	.178	.170	.184	.163	.174	.009
09RCM9	128	.211	.203	.194	.207	.204	.007
09RCM7	135	.180	.162	.165	.174	.170	.008
09RCM3	147	.174	.164	.178	.169	.171	.006
09RCM5	161	.169	.167	.168	.154	.165	.007
09RCW	125	.10	.12	.09	.10	.10	.01
09RCW	126	.134	.133	.147	.147	.140	.008
09RCW	128	.12	.13	.13	.11	.12	.01
09RCW	135	.135	.122	.129	.132	.130	.006
09RCW	147	.123	.118	.120	.117	.120	.003
09RCW	161	.121	.133	.135	.129	.130	.006
09RCW9	125	.194	.185	.186	.182	.187	.005
09RCW4	126	.206	.212	.194	.204	.204	.007
09RCW8	128	.16	.18	.16	.20	.17	.02
09RCW3	135	.170	.165	.177	.176	.172	.006
09RCW1	147	.16	.18	.18	.16	.17	.01
09RCW6	161	.19	.20	.16	.20	.19	.02

Table 25.--*Phosphorus concentration in unfiltered samples collected from station 10*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10RCA	129	0.000	0.001	0.002	0.000	0.001	0.001
10RCA	132	.006	.007	.005	.006	.006	.001
10RCA	135	.012	.018	.008	.020	.015	.006
10RCA	142	-.009	-.013	-.009	-.005	-.009	.003
10RCA	149	-.002	-.003	-.006	.003	-.002	.004
10RCA	163	-.007	-.008	-.007	-.007	-.007	.000
10RCA0	129	-.002	-.002	.000	-.002	-.002	.001
10RCA1	132	.007	.011	.008	.009	.009	.002
10RCA9	135	.009	.026	.013	.011	.015	.008
10RCA6	142	-.009	-.005	-.004	-.006	-.006	.002
10RCA7	149	-.006	-.009	-.007	-.006	-.007	.001
10RCA5	163	-.007	-.006	-.004	-.005	-.006	.001
10RCM	129	.004	.003	.002	.007	.004	.002
10RCM	132	-.007	-.007	-.003	-.008	-.006	.002
10RCM	135	.024	.038	.027	.034	.031	.006
10RCM	142	-.002	-.004	-.002	.000	-.002	.002
10RCM	149	-.017	-.019	-.020	-.015	-.018	.002
10RCM	163	-.007	-.005	-.004	-.004	-.005	.001
10RCM6	129	.003	.000	.005	.001	.002	.002
10RCM8	132	-.001	-.006	.007	-.003	-.001	.006
10RCM4	135	.021	.028	.020	.032	.025	.006
10RCM2	142	-.004	-.003	-.006	.002	-.003	.003
10RCM0	149	-.013	-.012	-.007	-.006	-.010	.004
10RCM1	163	-.003	-.005	-.005	-.003	-.004	.001
10RCW	129	-.016	-.018	-.016	-.018	-.017	.001
10RCW	132	-.005	-.005	-.007	-.003	-.005	.002
10RCW	135	-.007	-.011	-.010	-.008	-.009	.002
10RCW	142	-.019	-.018	-.020	-.010	-.017	.005
10RCW	149	-.012	-.008	-.013	-.013	-.012	.002
10RCW	163	-.007	-.013	-.008	-.013	-.010	.003
10RCW4	129	-.016	-.019	-.018	-.018	-.018	.001
10RCW5	132	-.002	-.006	-.002	-.005	-.004	.002
10RCW2	135	-.002	-.002	.002	-.005	-.002	.003
10RCW7	142	-.011	-.006	-.014	-.014	-.011	.004
10RCW0	149	-.003	-.009	-.006	-.012	-.008	.004
10RCW9	163	-.011	-.008	-.010	-.011	-.010	.001

Table 26.--*Phosphorus concentration in unfiltered samples collected from station 11*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11RCA	133	0.024	0.026	0.028	0.022	0.025	0.003
11RCA	136	.017	.023	.019	.018	.019	.003
11RCA	140	.024	.030	.022	.025	.025	.003
11RCA	148	.027	.020	.024	.027	.025	.003
11RCA	155	.021	.017	.010	.013	.015	.005
11RCA	168	.021	.018	.017	.020	.019	.002
11RCA8	133	.027	.024	.025	.022	.025	.002
11RCA6	136	.019	.024	.026	.026	.024	.003
11RCA1	140	.026	.027	.031	.024	.027	.003
11RCA2	148	.029	.022	.030	.027	.027	.004
11RCA7	155	.017	.019	.016	.016	.017	.001
11RCA4	168	.020	.017	.020	.018	.019	.002
11RCM	133	.024	.024	.023	.022	.023	.001
11RCM	136	.030	.029	.029	.028	.029	.001
11RCM	140	.029	.029	.031	.030	.030	.001
11RCM	148	.024	.024	.021	.026	.024	.002
11RCM	155	.014	.009	.011	.011	.011	.002
11RCM	168	.007	.012	.015	.014	.012	.004
11RCM7	133	.014	.020	.017	.023	.019	.004
11RCM2	136	.031	.029	.026	.029	.029	.002
11RCM8	140	.030	.028	.028	.029	.029	.001
11RCM3	148	.038	.034	.029	.047	.037	.008
11RCM0	155	.016	.020	.014	.014	.016	.003
11RCM4	168	.009	.008	.010	.006	.008	.002
11RCW	133	.027	.028	[1].055	.028	.028	.001
11RCW	136	.041	.029	.032	.045	.037	.008
11RCW	140	.022	.021	.022	.022	.022	.000
11RCW	148	.009	.011	.012	.008	.010	.002
11RCW	155	.009	.005	.008	.000	.006	.004
11RCW	168	.014	.015	.016	.014	.015	.001
[1]11RCW3	133	.027	.028	.055	.028	.028	.001
11RCW7	136	.027	.028	.032	.030	.029	.002
11RCW5	140	.028	.025	.025	.026	.026	.001
11RCW1	148	.012	.016	.007	.021	.014	.006
11RCW0	155	.007	.011	.017	.012	.012	.004
11RCW6	168	.012	.011	.018	.013	.014	.003

[1]Point was not used to calculate average and standard deviation.

Table 27.--*Phosphorus concentration in unfiltered samples collected from station 12*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12RCA	136	0.193	0.194	0.198	0.194	0.195	0.002
12RCA	139	.20	.20	.19	.21	.20	.01
12RCA	143	.200	.207	.200	.195	.201	.005
12RCA	149	.215	.211	.208	.207	.210	.004
12RCA	156	.182	.182	.181	.181	.182	.001
12RCA	170	.196	.200	.200	.199	.199	.002
12RCA6	136	.201	.202	.200	.201	.201	.001
12RCA9	139	.213	.208	.209	.203	.208	.004
12RCA4	143	.202	.196	.203	.202	.201	.003
12RCA7	149	.22	.21	.21	.19	.21	.01
12RCA2	156	.178	.177	.172	.180	.177	.003
12RCA5	170	.198	.195	.196	.201	.198	.003
12RCM	136	.188	.204	.203	.199	.199	.007
12RCM	139	.209	.212	.206	.211	.210	.003
12RCM	143	.199	.197	.203	.199	.200	.003
12RCM	149	.197	.191	.209	.196	.198	.008
12RCM	156	.167	.163	.152	.159	.160	.006
12RCM	170	.205	.207	.210	.206	.207	.002
12RCM2	136	.202	.212	.201	.207	.206	.005
12RCM9	139	.206	.218	.207	.216	.212	.006
12RCM5	143	.191	.205	.195	.197	.197	.006
12RCM0	149	.182	.193	.194	.188	.189	.006
12RCM3	156	.20	.19	.17	.18	.18	.01
12RCM1	170	.190	.188	.183	.191	.188	.004
12RCW	136	.192	.189	.186	.189	.189	.002
12RCW	139	.194	.185	.194	.190	.191	.004
12RCW	143	.201	.191	.197	.200	.197	.005
12RCW	149	.188	.174	.169	.187	.180	.009
12RCW	156	.21	.19	.21	.19	.20	.01
12RCW	170	.198	.198	.200	.197	.198	.001
12RCW7	136	.199	.204	.204	.209	.204	.004
12RCW8	139	.197	.198	.202	.216	.203	.009
12RCW6	143	.198	.201	.209	.206	.204	.005
12RCW0	149	.184	.173	.191	.175	.181	.008
12RCW1	156	.20	.20	.22	.19	.20	.01
12RCW9	170	.201	.183	.193	.202	.195	.009

Table 28.--*Phosphorus concentration in unfiltered samples collected from station 13*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13RCA	140	0.136	0.129	0.125	0.122	0.128	0.006
13RCA	143	.134	.131	.131	.134	.133	.002
13RCA	147	.132	.133	.129	.130	.131	.002
13RCA	155	.094	.093	.096	.096	.095	.002
13RCA	161	.112	.102	.108	.109	.108	.004
13RCA	175	.11	.16	.13	.12	.13	.02
13RCA8	140	.138	.130	.133	.130	.133	.004
13RCA1	143	.122	.136	.130	.128	.129	.006
13RCA4	147	.134	.131	.129	.134	.132	.002
13RCA9	155	.098	.107	.109	.106	.105	.005
13RCA6	161	.111	.121	.117	.119	.117	.004
13RCA5	175	.126	.127	.122	.121	.124	.003
13RCM	140	.119	.122	.123	.127	.123	.003
13RCM	143	.115	.117	.120	.114	.117	.003
13RCM	147	.132	.128	.131	.130	.130	.002
13RCM	155	.093	.103	.107	.101	.101	.006
13RCM	161	.113	.113	.114	.122	.116	.004
13RCM	175	.122	.122	.120	.125	.122	.002
13RCM7	140	.124	.121	.123	.125	.123	.002
13RCM5	143	.122	.120	.119	.122	.121	.002
13RCM6	147	.132	.133	.130	.127	.131	.003
13RCM4	155	.098	.094	.099	.097	.097	.002
13RCM2	161	.110	.111	.109	.110	.110	.001
13RCM1	175	.106	.125	.105	.100	.109	.011
13RCW	140	.125	.120	.124	.127	.124	.003
13RCW	143	.120	.122	.121	.123	.122	.001
13RCW	147	.116	.116	.120	.120	.118	.002
13RCW	155	.110	.102	.108	.112	.108	.004
13RCW	161	.118	.118	.120	.118	.119	.001
13RCW	175	.105	.103	.108	.118	.109	.007
13RCW3	140	.123	.129	.124	.125	.125	.003
13RCW5	143	.126	.121	.123	.126	.124	.002
13RCW6	147	.114	.111	.112	.114	.113	.001
13RCW2	155	.127	.122	.111	.110	.118	.008
13RCW7	161	.107	.113	.113	.111	.111	.003
13RCW9	175	.103	.098	.108	.110	.105	.005

Table 29.--*Phosphorus concentration in unfiltered samples collected from station 14*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14RCA	143	0.414	0.407	0.418	0.411	0.413	0.005
14RCA	147	.46	.43	.41	.41	.43	.02
14RCA	150	.392	.380	.372	.384	.382	.008
14RCA	157	.375	.382	.387	.379	.381	.005
14RCA	163	.43	.38	.39	.40	.40	.02
14RCA	175	.39	.39	.39	.43	.40	.02
14RCA6	143	.427	.426	.433	.435	.430	.004
14RCA4	147	.431	.432	.430	.430	.431	.001
14RCA5	150	.41	.42	.38	.42	.41	.02
14RCA8	157	.399	.383	.394	.396	.393	.007
14RCA3	163	.43	.41	.40	.38	.41	.02
14RCA0	175	.414	.409	.410	.407	.410	.003
14RCM	143	.24	.39	.39	.38	.35	.07
14RCM	147	.35	.36	.37	.38	.37	.01
14RCM	150	.32	.31	.35	.36	.33	.03
14RCM	157	.40	.35	.36	.37	.37	.02
14RCM	163	.38	.41	.39	.39	.39	.01
14RCM	175	.388	.400	.389	.395	.393	.006
14RCM2	143	.38	.39	.41	.39	.39	.01
14RCM5	147	.37	.39	.38	.36	.38	.01
14RCM1	150	.346	.360	.349	.362	.354	.008
14RCM7	157	.334	.349	.335	.348	.342	.008
14RCM9	163	.364	.363	.370	.352	.362	.007
14RCM6	175	.38	.39	.38	.36	.38	.01
14RCW	143	.36	.34	.35	.35	.35	.01
14RCW	147	.329	.323	.342	.34	.334	.009
14RCW	150	.38	.37	.35	.38	.37	.01
14RCW	157	.29	.46	.38	.31	.36	.08
14RCW	163	.386	.385	.385	.387	.386	.001
14RCW	175	.349	.346	.349	.332	.344	.008
14RCW7	143	.359	.365	.366	.366	.364	.003
14RCW6	147	.39	.36	.37	.37	.37	.01
14RCW9	150	.33	.40	.35	.37	.36	.03
14RCW3	157	.396	.372	.391	.389	.387	.01
14RCW8	163	.398	.377	.385	.385	.386	.009
14RCW4	175	.35	.37	.33	.34	.35	.02

Table 30.--*Phosphorus concentration in unfiltered samples collected from station 15*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15RCA	148	0.149	0.158	0.160	0.154	0.155	0.005
15RCA	150	.12	.15	.14	.10	.13	.02
15RCA	153	.142	.139	.145	.142	.142	.002
15RCA	157	.136	.127	.139	.142	.136	.006
15RCA	168	.148	.140	.139	.135	.141	.005
15RCA	181	.141	.159	.142	.144	.147	.008
15RCA4	148	.153	.156	.158	.161	.157	.003
15RCA5	150	.16	.16	.13	.14	.15	.01
15RCA0	153	.136	.139	.136	.142	.138	.003
15RCA7	157	.137	.133	.145	.143	.140	.006
15RCA3	168	.144	.144	.145	.134	.142	.005
15RCA8	181	.150	.155	.147	.149	.150	.003
15RCM	148	.145	.151	.157	.161	.154	.007
15RCM	150	.133	.130	.131	.127	.130	.003
15RCM	153	.155	.153	.149	.148	.151	.003
15RCM	157	.133	.140	.143	.138	.139	.004
15RCM	168	.144	.140	.143	.145	.143	.002
15RCM	181	.158	.146	.147	.143	.149	.007
15RCM5	148	.167	.154	.171	.158	.163	.008
15RCM1	150	.132	.134	.142	.136	.136	.004
15RCM6	153	.15	.16	.15	.16	.15	.01
15RCM0	157	.135	.140	.140	.140	.139	.002
15RCM9	168	.138	.143	.136	.146	.141	.005
15RCM7	181	.149	.143	.146	.149	.147	.003
15RCW	148	.17	.14	.14	.15	.15	.01
15RCW	150	.15	.12	.13	.13	.13	.01
15RCW	153	.142	.134	.144	.142	.140	.004
15RCW	157	.157	.143	.151	.150	.150	.006
15RCW	168	.158	.150	.155	.147	.153	.005
15RCW	181	.139	.151	.142	.139	.143	.006
15RCW6	148	.150	.150	.158	.150	.152	.004
15RCW9	150	.148	.151	.138	.161	.150	.009
15RCW4	153	.143	.141	.144	.146	.144	.002
15RCW0	157	.155	.154	.157	.167	.158	.006
15RCW8	168	.159	.150	.150	.149	.152	.005
15RCW3	181	.141	.141	.145	.139	.142	.003

Table 31.--*Orthophosphate concentration in filtered samples collected from station 1*

[All samples were diluted 1+1 prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01FCA	104	1.80	1.82	1.83	1.83	1.82	0.01
01FCA	105	1.84	1.83	1.86	1.84	1.84	.02
01FCA	109	1.83	1.84	1.83	1.86	1.84	.02
01FCA	114	1.781	1.778	1.773	1.765	1.774	.007
01FCA	125	1.847	1.837	1.844	1.840	1.842	.004
01FCA	139	1.81	1.82	1.85	1.83	1.83	.02
01FCA5	104	1.789	1.790	1.776	1.771	1.782	.009
01FCA1	105	1.834	1.832	1.839	1.833	1.835	.003
01FCA2	109	1.841	1.853	1.831	1.841	1.842	.009
01FCA9	114	1.787	1.785	1.792	1.785	1.787	.003
01FCA6	125	1.837	1.843	1.848	1.830	1.840	.008
01FCA4	139	1.834	1.829	1.826	1.825	1.829	.004
01FCM	104	1.872	1.870	1.872	1.861	1.869	.005
01FCM	105	1.845	1.828	1.826	1.827	1.832	.009
01FCM	109	1.77	1.75	1.73	1.73	1.75	.02
01FCM	114	1.81	1.79	1.80	1.82	1.80	.01
01FCM	125	1.893	1.902	1.898	1.893	1.897	.004
01FCM	139	1.836	1.831	1.836	1.833	1.834	.002
01FCM0	104	1.875	1.875	1.875	1.874	1.875	.000
01FCM6	105	1.825	1.819	1.826	1.816	1.822	.005
01FCM7	109	1.72	1.75	1.75	1.73	1.74	.02
01FCM4	114	1.79	1.80	1.80	1.77	1.79	.01
01FCM5	125	1.84	1.88	1.89	1.88	1.87	.02
01FCM3	139	1.827	1.825	1.818	1.828	1.825	.005
01FCW	104	1.852	1.865	1.851	1.852	1.855	.007
01FCW	105	1.83	1.83	1.82	1.86	1.84	.01
01FCW	109	1.70	1.73	1.87	1.71	1.75	.08
01FCW	114	1.83	1.83	1.84	1.82	1.83	.01
01FCW	125	1.91	1.91	1.92	1.93	1.92	.01
01FCW	139	1.868	1.864	1.865	1.861	1.865	.003
01FCW3	104	1.851	1.861	1.869	1.871	1.863	.009
01FCW5	105	1.84	1.81	1.84	1.83	1.83	.01
01FCW8	109	1.73	1.70	1.73	1.71	1.72	.01
01FCW7	114	1.78	1.83	1.82	1.82	1.81	.02
01FCW0	125	1.90	1.86	1.88	1.91	1.89	.02
01FCW2	139	1.850	1.844	1.841	1.846	1.845	.004

Table 32.--*Orthophosphate concentration in filtered samples collected from station 2*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
02FCA	109	0.520	0.522	0.523	0.522	0.522	0.001
02FCA	112	.510	.511	.513	.511	.511	.001
02FCA	114	.484	.481	.482	.481	.482	.002
02FCA	121	.531	.531	.542	.533	.534	.005
02FCA	127	.52	.53	.53	.51	.52	.01
02FCA	142	.519	.520	.520	.516	.519	.002
02FCA0	109	.519	.518	.523	.521	.520	.002
02FCA1	112	.516	.518	.519	.520	.518	.002
02FCA8	114	.482	.484	.481	.480	.482	.002
02FCA7	121	.511	.513	.514	.515	.513	.002
02FCA3	127	.499	.497	.502	.492	.498	.004
02FCA6	142	.494	.487	.493	.490	.491	.003
02FCM	109	.520	.517	.517	.517	.518	.001
02FCM	112	.498	.499	.500	.500	.499	.001
02FCM	114	.495	.496	.499	.502	.498	.003
02FCM	121	.518	.519	.520	.515	.518	.002
02FCM	127	.523	.519	.521	.519	.520	.002
02FCM	142	.518	.518	.518	.516	.517	.001
02FCM8	109	.516	.515	.516	.510	.514	.003
02FCM3	112	.498	.502	.498	.499	.499	.002
02FCM0	114	.501	.499	.499	.498	.499	.001
02FCM1	121	.516	.517	.516	.516	.516	.001
02FCM7	127	.520	.518	.518	.521	.519	.001
02FCM9	142	.514	.516	.516	.516	.515	.001
02FCW	109	.535	.529	.531	.531	.531	.003
02FCW	112	.535	.531	.530	.531	.532	.002
02FCW	114	.515	.515	.517	.519	.516	.002
02FCW	121	.520	.518	.517	.519	.519	.001
02FCW	127	.520	.518	.518	.519	.518	.001
02FCW	142	.518	.517	.520	.521	.519	.002
02FCW3	109	.526	.527	.525	.527	.526	.001
02FCW4	112	.528	.527	.526	.529	.528	.002
02FCW1	114	.518	.517	.513	.511	.515	.003
02FCW6	121	.516	.513	.514	.516	.515	.001
02FCW0	127	.515	.514	.512	.517	.514	.002
02FCW8	142	.520	.519	.516	.518	.518	.002

Table 33.--*Orthophosphate concentration in filtered samples collected from station 3*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03FCA	112	0.171	0.169	0.169	0.168	0.169	0.001
03FCA	115	.166	.164	.165	.165	.165	.001
03FCA	119	.176	.176	.175	.175	.175	.001
03FCA	127	.178	.173	.176	.177	.176	.002
03FCA	134	.172	.173	.174	.173	.173	.001
03FCA	148	.177	.176	.178	.176	.177	.001
03FCA4	112	.169	.170	.170	.170	.170	.000
03FCA2	115	.166	.165	.165	.166	.165	.000
03FCA9	119	.176	.176	.176	.177	.176	.000
03FCA7	127	.176	.178	.177	.176	.177	.001
03FCA3	134	.174	.174	.174	.174	.174	.000
03FCA0	148	.178	.176	.176	.177	.177	.001
03FCM	112	.166	.167	.166	.166	.166	.000
03FCM	115	.169	.168	.168	.169	.168	.001
03FCM	119	.169	.168	.168	.168	.169	.001
03FCM	127	.175	.174	.175	.175	.175	.001
03FCM	134	.169	.170	.169	.171	.170	.001
03FCM	148	.174	.173	.174	.166	.172	.004
03FCM0	112	.164	.165	.164	.164	.164	.001
03FCM9	115	.165	.166	.167	.167	.166	.001
03FCM1	119	.165	.166	.166	.166	.166	.000
03FCM8	127	.173	.172	.174	.174	.173	.001
03FCM2	134	.167	.168	.169	.168	.168	.001
03FCM4	148	.171	.171	.171	.170	.171	.001
03FCW	112	.179	.178	.178	.178	.178	.001
03FCW	115	.172	.171	.171	.171	.171	.001
03FCW	119	.168	.168	.167	.167	.168	.000
03FCW	127	.172	.173	.173	.172	.173	.000
03FCW	134	.166	.167	.167	.166	.167	.001
03FCW	148	.168	.168	.167	.167	.167	.000
03FCW7	112	.177	.179	.179	.178	.178	.001
03FCW5	115	.174	.172	.172	.173	.173	.001
03FCW9	119	.166	.167	.167	.167	.167	.000
03FCW8	127	.167	.170	.169	.169	.168	.001
03FCW2	134	.168	.167	.168	.167	.167	.001
03FCW0	148	.165	.166	.167	.167	.166	.001

Table 34.--*Orthophosphate concentration in filtered samples collected from station 4*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
04FCA	115	0.006	0.006	0.006	0.006	0.006	0.000
04FCA	118	.006	.005	.005	.006	.005	.001
04FCA	122	.006	.005	.005	.006	.006	.001
04FCA	128	.001	.002	.002	.002	.002	.001
04FCA	135	.008	.009	.008	.009	.008	.000
04FCA	149	.005	.005	.005	.005	.005	.000
04FCA4	115	.022	.019	.022	.021	.021	.001
04FCA9	118	.019	.020	.023	.019	.020	.002
04FCA7	122	.020	.019	.020	.019	.020	.001
04FCA2	128	.019	.016	.022	.019	.019	.003
04FCA3	135	.020	.022	.020	.020	.021	.001
04FCA5	149	.019	.020	.019	.022	.020	.001
04FCM	115	.016	.017	.016	.015	.016	.001
04FCM	118	.016	.016	.016	.017	.016	.000
04FCM	122	.018	.018	.017	.018	.018	.000
04FCM	128	.016	.017	.017	.018	.017	.001
04FCM	135	.017	.016	.019	.017	.017	.001
04FCM	149	.020	.019	.019	.020	.020	.000
04FCM7	115	.008	.007	.007	.008	.008	.001
04FCM1	118	.010	.011	.012	.010	.011	.001
04FCM3	122	.010	.011	.011	.011	.010	.000
04FCM9	128	.010	.012	.008	.009	.010	.001
04FCM2	135	.010	.010	.010	.013	.011	.001
04FCM5	149	.011	.012	.013	.011	.012	.001
04FCW	115	.011	.010	.012	.011	.011	.001
04FCW	118	.005	.005	.004	.006	.005	.000
04FCW	122	.004	.004	.003	.003	.003	.001
04FCW	128	.004	.004	.004	.004	.004	.000
04FCW	135	.001	.002	.001	.001	.001	.000
04FCW	149	.001	.001	.002	.002	.002	.000
04FCW5	115	.017	.018	.017	.017	.017	.001
04FCW8	118	.013	.010	.011	.011	.011	.001
04FCW6	122	.008	.007	.007	.006	.007	.001
04FCW7	128	.006	.019	.016	.006	.012	.007
04FCW2	135	.002	.003	.004	.003	.003	.001
04FCW9	149	.003	.005	.003	.003	.003	.001

Table 35.--*Orthophosphate concentration in filtered samples collected from station 5*

[All samples were diluted 1+3 prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]05FCA	--	--	--	--	--	--	--
05FCA6	119	3.76	3.79	3.75	3.78	3.77	0.02
05FCA9	122	3.92	3.93	3.90	3.88	3.91	.02
05FCA0	127	4.03	4.01	4.05	4.00	4.02	.03
05FCA7	133	3.95	3.94	3.95	3.96	3.95	.01
05FCA4	141	3.97	4.03	4.04	3.97	4.00	.04
05FCA1	155	3.80	3.81	3.82	3.84	3.82	.02
05FCM	119	3.68	3.79	3.66	3.57	3.68	.09
05FCM	122	3.91	3.93	3.92	3.89	3.91	.02
05FCM	127	3.77	3.88	3.85	3.89	3.85	.05
05FCM	133	3.74	3.79	3.79	3.74	3.76	.03
05FCM	141	3.80	3.80	3.85	3.80	3.81	.03
05FCM	155	3.80	3.81	3.79	3.80	3.80	.01
05FCM9	119	3.82	3.84	3.82	3.81	3.83	.01
05FCM5	122	3.96	4.00	3.99	3.88	3.96	.05
05FCM8	127	3.98	3.93	3.91	4.00	3.96	.04
05FCM1	133	3.88	3.85	3.88	3.88	3.87	.02
05FCM4	141	3.90	3.90	3.86	3.78	3.86	.06
05FCM3	155	3.91	3.83	3.89	3.92	3.89	.04
[1]05FCW	--	--	--	--	--	--	--
05FCW1	119	3.70	3.70	3.72	3.75	3.72	.02
05FCW5	122	4.05	3.92	4.02	4.01	4.00	.05
05FCW8	127	4.00	3.95	3.98	3.88	3.95	.05
05FCW6	133	3.84	3.93	3.90	3.88	3.89	.04
05FCW7	141	3.90	3.94	3.88	3.78	3.88	.07
05FCW2	155	3.94	3.81	3.93	3.92	3.90	.06

[1]Only 1 liter of the acid-preserved and water-control samples was collected. No large-bottle data exist for these treatments.

Table 36.--*Orthophosphate concentration in unfiltered samples collected from station 6*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
06RCA	118	-0.004	-0.004	-0.003	-0.004	-0.004	0.001
06RCA	119	-.005	-.005	-.005	-.005	-.005	.000
06RCA	121	-.004	-.003	-.003	-.003	-.003	.000
06RCA	128	-.004	-.003	-.006	-.005	-.005	.001
06RCA	139	-.003	-.003	-.003	-.003	-.003	.000
06RCA	153	-.004	-.005	-.005	-.005	-.005	.001
06RCA6	118	-.003	-.003	-.003	-.003	-.003	.000
06RCA3	119	-.004	-.004	-.005	-.004	-.004	.000
06RCA9	121	-.002	-.003	-.002	-.003	-.002	.001
06RCA5	128	-.005	-.005	-.005	-.005	-.005	.000
06RCA8	139	-.002	-.003	-.001	-.001	-.002	.001
06RCA1	153	-.003	-.001	-.004	-.003	-.002	.001
06RCM	118	-.002	-.001	-.002	-.001	-.002	.000
06RCM	119	-.003	-.004	-.003	-.003	-.003	.000
06RCM	121	-.001	-.003	-.002	-.002	-.002	.001
06RCM	128	-.002	-.002	-.001	-.002	-.002	.000
06RCM	139	-.001	-.001	-.001	-.001	-.001	.000
06RCM	153	-.005	-.005	-.004	-.005	-.005	.001
06RCM0	118	-.001	-.001	-.001	-.001	-.001	.000
06RCM2	119	.000	-.001	.000	.000	.000	.000
06RCM1	121	-.001	.000	.001	.000	.000	.001
06RCM5	128	-.001	-.001	-.001	-.001	-.001	.000
06RCM8	139	.003	.000	.002	.000	.001	.001
06RCM6	153	.006	.006	.008	.006	.006	.001
06RCW	118	.004	.004	.005	.004	.004	.000
06RCW	119	-.002	-.001	-.002	-.002	-.002	.000
06RCW	121	.001	.002	.002	.002	.001	.000
06RCW	128	.003	.003	.003	.003	.003	.000
06RCW	139	-.001	.000	-.001	.000	.000	.000
06RCW	153	.000	-.001	.000	-.001	.000	.000
06RCW4	118	.005	.005	.005	.006	.005	.000
06RCW6	119	.000	.001	.001	-.001	.000	.001
06RCW8	121	.003	.003	.003	.003	.003	.000
06RCW2	128	.004	.003	.004	.004	.004	.000
06RCW7	139	.002	.002	.002	.001	.001	.000
06RCW3	153	.001	.001	.001	.003	.001	.001

Table 37.--*Orthophosphate concentration in filtered samples collected from station 7*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07FCA	122	0.503	0.506	0.514	0.504	0.507	0.005
07FCA	125	.479	.482	.479	.473	.478	.004
07FCA	129	.503	.494	.486	.498	.495	.007
07FCA	134	.460	.462	.471	.461	.464	.005
07FCA	142	.481	.478	.482	.479	.480	.002
07FCA	156	.521	.514	.514	.512	.515	.004
07FCA7	122	.465	.468	.474	.463	.468	.005
07FCA6	125	.383	.393	[1].499	.395	.390	.006
07FCA9	129	.418	.410	.410	.410	.412	.004
07FCA8	134	.455	[1].417	.445	.457	.452	.006
07FCA1	142	.425	.422	.418	.421	.422	.003
07FCA4	156	.495	.497	.496	.498	.497	.001
07FCM	122	.504	.505	.503	.503	.504	.001
07FCM	125	.504	.506	.505	.505	.505	.001
07FCM	129	.500	.500	.498	.501	.500	.001
07FCM	134	.487	.486	.489	.486	.487	.001
07FCM	142	.506	.507	.506	.507	.506	.000
07FCM	156	.510	.510	.508	.509	.509	.001
07FCM7	122	.497	.500	.498	.495	.498	.002
07FCM1	125	.502	.497	.504	.499	.500	.003
07FCM5	129	.493	.478	.490	.490	.488	.007
07FCM4	134	.482	.483	.478	.477	.480	.003
07FCM9	142	.499	.500	.499	.495	.498	.002
07FCM0	156	.501	.503	.503	.503	.502	.001
07FCW	122	.478	.477	.476	.478	.477	.001
07FCW	125	.476	.474	.474	.479	.476	.002
07FCW	129	.473	.475	.475	.478	.475	.002
07FCW	134	.470	.468	.469	.471	.469	.001
07FCW	142	.492	.488	.489	.491	.490	.002
07FCW	156	.487	.491	.488	.490	.489	.002
07FCW3	122	[1].460	.481	.476	.479	.479	.003
07FCW6	125	.479	[1].450	.471	.476	.475	.004
07FCW5	129	.469	.457	[1].440	.467	.464	.006
07FCW7	134	.472	[1].450	.463	.470	.468	.005
07FCW1	142	.488	.491	.492	.490	.490	.002
07FCW4	156	.484	.486	.489	.486	.486	.002

[1]Point was not used to calculate average and standard deviation.

Table 38.--*Orthophosphate concentration in filtered samples collected from station 8*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08FCA	126	0.020	0.020	0.020	0.022	0.020	0.001
08FCA	129	.020	.020	.020	.021	.020	.001
08FCA	133	.024	.023	.024	.024	.024	.001
08FCA	141	.021	.021	.022	.022	.022	.001
08FCA	148	.021	.021	.022	.021	.021	.000
08FCA	162	.019	.019	.018	.019	.019	.000
08FCA3	126	.026	.026	.030	.028	.027	.002
08FCA1	129	.024	.024	.025	.024	.024	.000
08FCA5	133	.028	.028	.028	.029	.028	.001
08FCA4	141	.027	.026	.028	.026	.027	.001
08FCA2	148	.026	.025	.026	.026	.026	.000
08FCA7	162	.023	.024	.024	.025	.024	.001
08FCM	126	.022	.020	.021	.021	.021	.001
08FCM	129	.022	.023	.022	.023	.023	.000
08FCM	133	.021	.021	.021	.021	.021	.000
08FCM	141	.021	.021	.021	.022	.021	.000
08FCM	148	.021	.022	.022	.022	.022	.000
08FCM	162	.019	.019	.019	.019	.019	.000
08FCM6	126	.025	.024	.028	.025	.026	.002
08FCM8	129	.026	.026	.026	.026	.026	.000
08FCM9	133	.024	.024	.024	.024	.024	.000
08FCM1	141	.025	.025	.026	.025	.025	.001
08FCM2	148	.024	.025	.024	.025	.024	.000
08FCM5	162	.023	.023	.023	.022	.023	.001
08FCW	126	.023	.023	.023	.023	.023	.000
08FCW	129	.024	.025	.024	.024	.024	.001
08FCW	133	.019	.020	.020	.019	.019	.000
08FCW	141	.019	.019	.019	.019	.019	.000
08FCW	148	.020	.020	.020	.020	.020	.000
08FCW	162	.019	.019	.019	.019	.019	.000
08FCW0	126	.029	.026	.027	.028	.027	.001
08FCW8	129	.029	.028	.028	.029	.029	.000
08FCW1	133	.023	.024	.023	.025	.024	.001
08FCW6	141	.023	.023	.022	.024	.023	.001
08FCW9	148	.022	.022	.022	.022	.022	.000
08FCW5	162	.023	.021	.021	.021	.021	.001

Table 39.--*Orthophosphate concentration in filtered samples collected from station 9*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09FCA	125	0.006	0.007	0.007	0.007	0.007	0.001
09FCA	126	.006	.004	.005	.007	.006	.001
09FCA	128	.000	-.002	-.001	-.002	-.001	.001
09FCA	135	.007	.011	.009	.007	.008	.002
09FCA	147	.010	.006	.007	.008	.008	.001
09FCA	161	.015	.015	.014	.016	.015	.001
09FCA7	125	.027	.040	.034	.006	.027	.015
09FCA3	126	.004	.020	.022	.022	.017	.009
09FCA1	128	.009	.011	-.002	.002	.005	.006
09FCA5	135	.030	.033	.024	.020	.027	.006
09FCA4	147	.016	.005	.005	.009	.009	.005
09FCA6	161	.014	.009	.015	.011	.012	.003
09FCM	125	.006	.005	.003	.008	.006	.002
09FCM	126	.010	.006	.003	.009	.007	.003
09FCM	128	.003	.006	.008	.003	.005	.003
09FCM	135	.009	.009	.012	.010	.010	.001
09FCM	147	.007	.009	.005	.006	.007	.002
09FCM	161	.021	.024	.024	.021	.022	.002
09FCM5	125	.005	.005	.017	.007	.009	.006
09FCM6	126	.007	.004	.009	.005	.006	.002
09FCM8	128	.003	.001	.007	.011	.006	.004
09FCM9	135	.009	.008	.010	.018	.011	.005
09FCM1	147	.007	.004	.006	.014	.008	.004
09FCM3	161	.025	.015	.021	.017	.019	.004
09FCW	125	.007	.006	.010	.013	.009	.003
09FCW	126	.004	.008	.011	.005	.007	.003
09FCW	128	.013	.011	.007	.009	.010	.002
09FCW	135	.010	.008	.006	.005	.007	.002
09FCW	147	.007	.004	.010	.005	.006	.003
09FCW	161	.019	.017	.024	.022	.021	.003
09FCW5	125	[1].050	.014	.004	.005	.008	.006
09FCW0	126	.004	.015	.002	.003	.006	.006
09FCW8	128	.017	.007	.006	.006	.009	.005
09FCW1	135	.004	.017	.003	.004	.007	.007
09FCW6	147	.002	.003	.043	.001	.002	.001
09FCW2	161	.040	.039	.039	.038	.039	.001

[1]Point was not used to calculate average and standard deviation.

Table 40.--*Orthophosphate concentration in filtered samples collected from station 10*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10FCA	129	-0.002	-0.002	-0.001	-0.001	-0.002	0.001
10FCA	132	.001	.001	.000	.001	.001	.000
10FCA	135	.001	.001	.000	.000	.001	.001
10FCA	142	.002	.001	.002	.002	.002	.000
10FCA	149	-.006	.014	-.006	-.005	-.001	.010
10FCA	163	-.004	-.004	-.004	-.002	-.003	.001
10FCA8	129	-.001	-.001	-.001	.000	-.001	.001
10FCA4	132	.001	.001	.001	.002	.002	.001
10FCA9	135	.002	.002	.001	.001	.002	.000
10FCA2	142	.004	.003	.003	.003	.003	.001
10FCA0	149	-.004	-.005	-.004	-.004	-.004	.000
10FCA1	163	-.002	-.003	-.002	-.002	-.002	.000
10FCM	129	.001	.001	.001	.001	.001	.000
10FCM	132	.000	.000	.000	.000	.000	.000
10FCM	135	-.002	-.002	-.002	-.002	-.002	.000
10FCM	142	-.003	-.002	-.002	-.002	-.002	.000
10FCM	149	-.001	-.001	-.002	-.001	-.001	.000
10FCM	163	-.003	-.002	-.003	-.002	-.003	.000
10FCM8	129	.004	.001	.002	.001	.002	.001
10FCM7	132	.000	.001	.003	.002	.001	.001
10FCM1	135	-.002	-.002	-.002	-.001	-.002	.001
10FCM9	142	-.002	-.002	-.001	-.001	-.002	.000
10FCM4	149	-.001	-.001	.000	-.001	-.001	.000
10FCM6	163	.000	-.001	-.001	-.001	-.001	.001
10FCW	129	.003	.003	.003	.002	.003	.000
10FCW	132	-.001	.000	.000	.000	.000	.000
10FCW	135	.001	.001	.001	.000	.001	.000
10FCW	142	-.001	-.001	-.001	.000	-.001	.000
10FCW	149	.001	.001	.000	.000	.000	.000
10FCW	163	-.004	-.004	-.004	-.005	-.004	.000
10FCW4	129	.005	.004	.003	.003	.004	.001
10FCW7	132	.002	.001	.001	.001	.001	.001
10FCW9	135	.000	.000	.001	.001	.001	.000
10FCW5	142	.001	.001	.000	.001	.001	.001
10FCW0	149	.001	.001	.001	.001	.001	.000
10FCW1	163	.000	-.004	-.002	-.003	-.002	.002

Table 41.--*Orthophosphate concentration in filtered samples collected from station 11*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11FCA	133	0.026	0.026	0.025	0.025	0.026	0.000
11FCA	136	--	--	--	--	--	--
11FCA	140	.022	.022	.029	.030	.026	.004
11FCA	148	.024	.024	.025	.026	.025	.001
11FCA	155	.019	.019	.019	.018	.019	.001
11FCA	168	.019	.020	.019	.018	.019	.001
11FCA6	133	.026	.026	.026	.026	.026	.000
11FCA0	136	--	--	--	--	--	--
11FCA9	140	.025	.024	.024	.023	.024	.000
11FCA1	148	.026	.026	.026	.027	.026	.001
11FCA5	155	.021	.022	.021	.025	.022	.002
11FCA8	168	.023	.023	.022	.022	.022	.000
11FCM	133	.026	.025	.026	.025	.025	.000
11FCM	136	.024	.024	.024	.024	.024	.000
11FCM	140	.027	.026	.026	.027	.026	.000
11FCM	148	.025	.025	.026	.025	.025	.000
11FCM	155	.022	.023	.023	.023	.023	.000
11FCM	168	.024	.024	.024	.024	.024	.000
11FCM9	133	.026	.026	.027	.026	.026	.001
11FCM8	136	.026	.025	.024	.025	.025	.001
11FCM5	140	.028	.027	.027	.026	.027	.001
11FCM3	148	.026	.025	.027	.026	.026	.001
11FCM6	155	.022	.022	.023	.022	.022	.000
11FCM0	168	.024	.023	.026	.024	.024	.001
11FCW	133	.026	.026	.027	.026	.026	.000
11FCW	136	.017	.016	.015	.017	.016	.001
11FCW	140	.027	.026	.027	.026	.026	.000
11FCW	148	.025	.026	.026	.026	.026	.000
11FCW	155	.026	.025	.025	.025	.025	.000
11FCW	168	.022	.021	.022	.021	.022	.000
11FCW1	133	.027	.027	.028	.027	.027	.001
11FCW8	136	.017	.023	.018	.019	.019	.003
11FCW5	140	.026	.028	.026	.027	.027	.001
11FCW2	148	.026	.026	.027	.026	.026	.000
11FCW0	155	.025	.025	.025	.026	.025	.000
11FCW4	168	.020	.021	.020	.022	.021	.001

Table 42.--*Orthophosphate concentration in filtered samples collected from station 12*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12FCA	136	--	--	--	--	--	--
12FCA	139	0.128	0.128	0.128	0.129	0.128	0.000
12FCA	143	.130	.129	.130	.129	.129	.000
12FCA	149	.132	.132	.131	.131	.132	.000
12FCA	156	.134	.135	.133	.134	.134	.001
12FCA	170	.130	.129	.129	.129	.129	.001
12FCA0	136	--	--	--	--	--	--
12FCA7	139	.127	.128	.128	.129	.128	.001
12FCA3	143	.129	.129	.130	.130	.129	.000
12FCA9	149	.131	.132	.132	.132	.132	.000
12FCA4	156	.134	.133	.134	.133	.134	.000
12FCA5	170	.128	.128	.129	.128	.128	.000
12FCM	136	.129	.130	.128	.129	.129	.001
12FCM	139	.125	.125	.125	.125	.125	.000
12FCM	143	.130	.130	.130	.130	.130	.000
12FCM	149	.128	.128	.128	.128	.128	.000
12FCM	156	.131	.131	.131	.131	.131	.000
12FCM	170	.130	.129	.130	.130	.130	.000
12FCM4	136	.129	.132	.130	.129	.130	.001
12FCM3	139	.124	.124	.125	.125	.124	.000
12FCM2	143	.130	.130	.129	.130	.129	.000
12FCM5	149	.127	.127	.127	.128	.127	.000
12FCM7	156	.130	.130	.130	.130	.130	.000
12FCM1	170	.129	.129	.129	.129	.129	.000
12FCW	136	.127	.129	.127	.127	.128	.001
12FCW	139	.125	.125	.125	.125	.125	.000
12FCW	143	.129	.130	.129	.128	.129	.001
12FCW	149	.125	.124	.125	.125	.125	.000
12FCW	156	.124	.125	.124	.126	.125	.001
12FCW	170	.126	.127	.125	.126	.126	.001
12FCW1	136	.121	.125	.126	.127	.125	.002
12FCW6	139	.124	.125	.125	.126	.125	.001
12FCW2	143	.128	.128	.129	.128	.128	.000
12FCW9	149	.125	.125	.125	.125	.125	.000
12FCW5	156	.124	.124	.122	.123	.123	.001
12FCW8	170	.124	.123	.123	.125	.124	.001

Table 43.--*Orthophosphate concentration in filtered samples collected from station 13*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13FCA	140	0.025	0.025	0.025	0.025	0.025	0.000
13FCA	143	.022	.022	.022	.022	.022	.000
13FCA	147	.023	.023	.023	.023	.023	.000
13FCA	155	.019	.018	.019	.019	.019	.000
13FCA	161	.023	.023	.023	.023	.023	.000
13FCA	175	.021	.021	.022	.021	.021	.000
13FCA0	140	.029	.029	.029	.029	.029	.000
13FCA8	143	.028	.027	.027	.028	.027	.000
13FCA7	147	.027	.026	.026	.027	.027	.001
13FCA2	155	.023	.023	.025	.023	.023	.001
13FCA1	161	.029	.027	.027	.026	.027	.001
13FCA5	175	.024	.024	.025	.026	.025	.001
13FCM	140	.058	.058	.057	.058	.058	.001
13FCM	143	.060	.060	.060	.060	.060	.000
13FCM	147	.059	.061	.062	.061	.061	.001
13FCM	155	.061	.062	.061	.062	.061	.001
13FCM	161	.064	.062	.064	.062	.063	.001
13FCM	175	.064	.063	.068	.064	.065	.002
13FCM0	140	.026	.026	.026	.026	.026	.000
13FCM4	143	.026	.025	.025	.025	.025	.000
13FCM5	147	.026	.026	.026	.026	.026	.000
13FCM2	155	.024	.024	.023	.025	.024	.001
13FCM8	161	.024	.023	.024	.027	.025	.001
13FCM9	175	.025	.027	.026	.027	.026	.001
13FCW	140	.028	.028	.029	.028	.028	.000
13FCW	143	.029	.030	.029	.029	.029	.000
13FCW	147	.029	.028	.029	.028	.028	.000
13FCW	155	.018	.019	.018	.018	.018	.000
13FCW	161	.012	.012	.012	.012	.012	.000
13FCW	175	.015	.014	.014	.015	.015	.000
13FCW4	140	.024	.024	.024	.024	.024	.000
13FCW7	143	.025	.026	.026	.026	.026	.001
13FCW5	147	.027	.026	.026	.026	.026	.000
13FCW9	155	.018	.018	.019	.018	.018	.000
13FCW8	161	.012	.012	.014	.012	.013	.001
13FCW1	175	.014	.014	.016	.014	.015	.001

Table 44.--*Orthophosphate concentration in filtered samples collected from station 14*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14FCA	143	0.155	0.155	0.155	0.155	0.155	0.000
14FCA	147	.153	.154	.155	.154	.154	.001
14FCA	150	.156	.156	.156	.156	.156	.000
14FCA	157	.155	.155	.155	.162	.157	.004
14FCA	163	.155	.157	.156	.156	.156	.001
14FCA	175	.156	.156	.157	.160	.157	.002
14FCA4	143	.152	.154	.155	.153	.153	.001
14FCA3	147	.152	.152	.152	.154	.153	.001
14FCA0	150	.155	.154	.155	.155	.155	.000
14FCA8	157	.154	.154	.155	.155	.154	.001
14FCA5	163	.154	.154	.153	.155	.154	.000
14FCA1	175	.156	.156	.156	.155	.156	.000
14FCM	143	.153	.153	.153	.153	.153	.000
14FCM	147	.153	.154	.154	.154	.154	.000
14FCM	150	.152	.152	.153	.152	.152	.000
14FCM	157	.156	.155	.156	.156	.156	.000
14FCM	163	.154	.155	.154	.154	.154	.000
14FCM	175	.150	.155	.155	.155	.154	.003
14FCM5	143	.152	.151	.151	.152	.151	.000
14FCM9	147	.153	.152	.152	.152	.152	.000
14FCM6	150	.150	.150	.151	.151	.150	.000
14FCM7	157	.154	.155	.154	.154	.154	.001
14FCM1	163	.152	.146	.152	.153	.151	.003
14FCM8	175	.151	.145	.153	.152	.150	.004
14FCW	143	.154	.155	.154	.155	.154	.000
14FCW	147	.157	.157	.157	.157	.157	.000
14FCW	150	.156	.156	.157	.156	.156	.000
14FCW	157	.157	.156	.157	.157	.157	.001
14FCW	163	.158	.158	.158	.158	.158	.000
14FCW	175	.163	.163	.163	.163	.163	.000
14FCW6	143	.154	.154	.154	.154	.154	.000
14FCW3	147	.157	.157	.156	.157	.157	.000
14FCW4	150	.157	.157	.155	.157	.157	.001
14FCW8	157	.162	.162	.161	.161	.161	.000
14FCW9	163	.165	.165	.165	.162	.164	.001
14FCW5	175	.170	.170	.162	.170	.168	.004

Table 45.--*Orthophosphate concentration in filtered samples collected from station 15*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15FCA	148	0.103	0.103	0.106	0.101	0.103	0.002
15FCA	150	.107	.107	.107	.107	.107	.000
15FCA	153	.107	.106	.107	.109	.107	.001
15FCA	157	.108	.105	.108	.108	.107	.002
15FCA	168	.110	.109	.112	.104	.109	.004
15FCA	181	.105	.103	.102	.107	.104	.002
15FCA5	148	.078	.080	.080	.080	.080	.001
15FCA9	150	.080	.081	.081	.081	.081	.000
15FCA1	153	.081	.081	.080	.081	.081	.000
15FCA6	157	.082	.082	.083	.083	.082	.001
15FCA0	168	.081	.083	.079	.081	.081	.001
15FCA4	181	.083	.084	.083	.081	.082	.001
15FCM	148	.094	.093	.093	.089	.092	.002
15FCM	150	.091	.093	.093	.092	.092	.001
15FCM	153	.094	.092	.094	.095	.094	.001
15FCM	157	.094	.093	.093	.094	.094	.000
15FCM	168	.094	.094	.094	.093	.094	.000
15FCM	181	.092	.091	.093	.093	.092	.001
15FCM4	150	.057	.057	.056	.056	.056	.000
15FCM8	153	.056	.056	.055	.055	.055	.000
15FCM2	157	.056	.055	.055	.055	.055	.000
15FCM6	168	.056	.056	.056	.056	.056	.000
15FCM5	181	.056	.057	.057	.057	.057	.000
15FCW	148	.084	.085	.083	.082	.083	.001
15FCW	150	.085	.085	.085	.085	.085	.000
15FCW	153	.085	.086	.085	.085	.085	.000
15FCW	157	.085	.085	.085	.085	.085	.000
15FCW	168	.075	.076	.075	.075	.075	.000
15FCW	181	.058	.057	.057	.058	.057	.000
15FCW9	148	.102	.103	.101	.103	.102	.001
15FCW2	150	.100	.100	.102	.101	.101	.001
15FCW5	153	.105	.105	.105	.104	.105	.001
15FCW7	157	.100	.101	.101	.100	.100	.000
15FCW4	168	.098	.097	.098	.098	.098	.001
15FCW6	181	.087	.087	.086	.086	.086	.000

Table 46.--*Kjeldahl nitrogen concentration in filtered samples collected from station 1*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01FCA	104	4.20	4.12	4.29	4.13	4.19	0.08
01FCA	109	4.13	4.13	4.30	4.17	4.18	.08
01FCA	112	[3]7.07	4.20	4.21	4.19	4.20	.01
01FCA	114	3.94	3.92	4.04	3.97	3.97	.05
01FCA	125	4.24	4.20	4.18	4.23	4.21	.03
[1]01FCA	139	4.13	4.11	4.68	4.22	4.29	.27
01FCA5	104	4.13	4.20	4.16	4.24	4.18	.05
01FCA2	109	4.13	4.14	4.19	4.16	4.15	.03
01FCA9	112	4.27	4.25	4.21	4.20	4.23	.04
[2]01FCA9	114	3.9	4.0	3.8	3.8	3.9	.1
01FCA6	125	4.0	4.2	4.2	4.2	4.1	.1
[1]01FCA4	139	5.1	4.5	4.4	4.5	4.6	.3
01FCM	104	4.0	3.9	4.0	4.2	4.0	.1
01FCM	105	4.1	4.4	4.0	4.1	4.2	.2
01FCM	109	4.3	4.1	4.2	4.4	4.3	.1
01FCM	112	4.7	4.2	4.0	4.3	4.3	.3
01FCM	114	3.9	4.3	4.1	4.2	4.1	.2
01FCM	125	4.22	4.41	4.28	4.24	4.29	.09
[1]01FCM	139	4.2	4.3	4.4	4.1	4.3	.1
01FCM0	104	4.20	4.16	4.15	4.07	4.14	.06
01FCM6	105	4.0	4.4	4.2	4.1	4.2	.2
01FCM7	109	4.8	4.1	4.2	4.2	4.3	.3
01FCM4	112	4.07	4.10	4.25	4.09	4.13	.08
[2]01FCM4	114	4.0	4.1	4.3	4.1	4.1	.1
01FCM5	125	4.1	4.1	4.1	3.9	4.0	.1
[1]01FCM3	139	4.16	4.25	4.29	4.32	4.26	.07
01FCW	104	4.1	4.5	4.1	4.2	4.2	.2
01FCW	105	4.1	4.0	4.4	4.0	4.1	.2
01FCW	109	3.9	4.1	4.3	4.0	4.1	.2
01FCW	112	4.20	4.33	4.18	4.13	4.21	.09
01FCW	114	3.80	3.91	4.01	3.88	3.90	.09
01FCW	125	4.22	4.10	4.17	4.16	4.16	.05
[1]01FCW	139	3.8	3.8	3.9	3.7	3.8	.1
01FCW3	104	4.17	4.27	4.16	4.14	4.19	.06
01FCW5	105	4.29	4.16	4.11	4.31	4.22	.10
01FCW8	109	4.08	4.20	4.07	4.06	4.10	.07
01FCW7	112	4.16	4.15	4.22	4.22	4.19	.04
[2]01FCW7	114	3.78	3.84	3.76	3.84	3.81	.04
01FCW0	125	4.26	4.19	4.19	4.28	4.23	.04
[1]01FCW2	139	4.00	4.07	4.16	4.07	4.07	.07

[1]Sample was diluted 1+1 prior to digestion.

[2]Repeat analysis on same small-bottle split.

[3]Point was not used to calculate average and standard deviation.

Table 47.--*Kjeldahl nitrogen concentration in filtered samples collected from station 2*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]02FCA	109	2.23	2.25	2.28	2.33	2.27	0.04
02FCA	112	2.4	2.6	2.3	2.3	2.4	.1
02FCA	114	2.13	2.25	2.14	2.15	2.17	.06
02FCA	121	2.49	2.47	2.39	2.37	2.43	.06
02FCA	127	2.29	2.44	2.48	2.38	2.40	.08
02FCA	142	2.48	2.56	2.54	2.42	2.50	.06
[1]02FCA0	109	2.22	2.32	2.21	2.25	2.25	.05
02FCA1	112	3.1	2.4	2.4	2.4	2.6	.4
02FCA8	114	2.28	2.15	2.13	2.21	2.19	.07
02FCA7	121	2.3	2.3	2.6	2.3	2.4	.1
02FCA3	127	2.28	2.35	2.27	2.37	2.32	.05
02FCA6	142	2.68	2.65	2.61	2.58	2.63	.04
[1]02FCM	109	2.3	2.5	2.5	2.6	2.5	.1
02FCM	112	2.22	2.25	2.37	2.27	2.28	.07
02FCM	114	2.15	2.12	2.10	2.18	2.14	.04
02FCM	121	2.62	2.50	2.49	2.52	2.53	.06
02FCM	127	2.4	2.2	2.4	2.2	2.3	.1
02FCM	142	2.31	2.38	2.37	2.19	2.31	.08
[1]02FCM8	109	2.5	2.4	2.4	3.0	2.6	.3
02FCM8	112	2.3	2.2	2.4	2.5	2.3	.1
02FCM0	114	2.14	2.24	2.20	2.19	2.19	.04
02FCM1	121	2.63	2.56	2.60	2.49	2.57	.06
02FCM7	127	2.40	2.31	2.34	2.30	2.34	.04
02FCM9	142	2.5	2.5	2.6	2.3	2.5	.1
[1]02FCW	109	2.30	2.33	2.27	2.35	2.31	.04
02FCW	112	2.43	2.45	2.36	2.35	2.40	.05
02FCW	114	2.18	2.22	2.06	2.06	2.13	.08
02FCW	121	2.50	2.50	2.47	2.38	2.46	.06
02FCW	127	2.37	2.37	2.33	2.38	2.37	.02
02FCW	142	2.55	2.36	2.45	2.50	2.47	.08
[1]02FCW3	109	2.4	2.4	2.5	2.7	2.5	.1
02FCW4	112	2.43	2.43	2.45	2.50	2.45	.03
02FCW1	114	2.19	2.15	2.11	2.26	2.18	.06
02FCW6	121	2.43	2.56	2.45	2.48	2.48	.05
02FCW0	127	2.45	2.39	2.39	2.49	2.43	.05
02FCW8	142	2.4	2.4	2.6	2.4	2.4	.1

[1]Sample was diluted 1+1 prior to digestion.

Table 48.--*Kjeldahl nitrogen concentration in filtered samples collected from station 3*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03FCA	112	0.345	0.328	0.345	0.342	0.340	0.008
03FCA	115	.3	.3	.3	.6	.4	.2
03FCA	119	.30	.34	.32	.32	.32	.01
03FCA	127	.348	.359	.357	.347	.353	.006
03FCA	134	.33	.33	.34	.36	.34	.02
03FCA	148	.37	.37	.38	.35	.37	.01
03FCA4	112	.334	.336	.343	.325	.335	.007
03FCA2	115	.31	.29	.28	.29	.30	.01
03FCA9	119	.327	.327	.330	.327	.328	.001
03FCA7	127	.4	.4	.6	.3	.4	.1
03FCA3	134	.351	.346	.352	.334	.346	.008
03FCA0	148	.371	.373	.387	.367	.375	.009
03FCM	112	.346	.34	.343	.336	.341	.004
03FCM	115	.333	.324	.342	.337	.334	.008
03FCM	119	.34	.29	.31	.29	.31	.02
03FCM	127	.4	.3	.9	.3	.5	.3
03FCM	134	.318	.318	.325	.336	.324	.008
03FCM	148	.33	.34	.37	.34	.34	.02
03FCM0	112	.355	.367	.348	.357	.357	.008
03FCM9	115	.354	.354	.348	.349	.351	.003
03FCM1	119	.293	.310	.310	.300	.303	.008
03FCM8	127	.35	.39	.35	.37	.36	.02
03FCM2	134	.33	.33	.32	.36	.33	.02
03FCM4	148	.37	.40	.36	.36	.37	.02
03FCW	112	.356	.347	.355	.365	.356	.007
03FCW	115	.32	.31	.32	.33	.32	.01
03FCW	119	.34	.35	.37	.34	.35	.01
03FCW	127	.34	.32	.33	.30	.32	.02
03FCW	134	.38	.33	.38	.40	.37	.03
03FCW	148	.37	.39	.43	.57	.44	.09
03FCW7	112	.36	.37	.35	.40	.37	.02
03FCW5	115	.32	.31	.34	.31	.32	.01
03FCW9	119	.352	.351	.360	.345	.352	.006
03FCW8	127	.34	.31	.35	.31	.33	.02
03FCW2	134	.38	.37	.35	.42	.38	.03
03FCW0	148	.7	.3	.4	.4	.4	.2

Table 49.--*Kjeldahl nitrogen concentration in filtered samples collected from station 4*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
04FCA	115	0.208	0.216	0.205	0.201	0.208	0.006
04FCA	118	.22	.21	.26	.21	.23	.02
04FCA	122	.23	.22	.22	.26	.23	.02
04FCA	128	.26	.24	.22	.22	.24	.02
04FCA	135	.24	.29	.32	.26	.28	.04
04FCA	149	.29	.29	.35	.28	.30	.03
04FCA4	115	.303	.293	.291	.304	.298	.007
04FCA9	118	.31	.31	.29	.31	.31	.01
04FCA7	122	.32	.34	.35	.33	.34	.01
04FCA2	128	.31	.31	.32	.33	.32	.01
04FCA3	135	.4	.3	.9	.4	.5	.3
04FCA5	149	.30	.29	.28	.30	.29	.01
04FCM	115	.37	.44	.37	.36	.39	.04
04FCM	118	.6	.4	.7	.4	.5	.1
04FCM	122	.41	.45	.41	.43	.43	.02
04FCM	128	.46	.40	.41	.43	.43	.03
04FCM	135	.37	.43	.39	.38	.39	.03
04FCM	149	.4	.3	.4	.6	.4	.1
04FCM7	115	.36	.35	.35	.39	.36	.02
04FCM1	118	.352	.364	.364	.351	.358	.007
04FCM3	122	.373	.364	.377	.366	.370	.006
04FCM9	128	.39	.41	.36	.40	.39	.02
04FCM2	135	.33	.33	.33	.40	.35	.04
04FCM5	149	.25	.21	.20	.25	.23	.02
04FCW	115	.16	.18	.15	.14	.16	.02
04FCW	118	.28	.27	.40	.28	.31	.06
04FCW	122	.34	.31	.32	.31	.32	.02
04FCW	128	.30	.28	.29	.31	.30	.01
04FCW	135	.37	.33	.30	.33	.33	.03
04FCW	149	.35	.29	.28	.29	.30	.03
04FCW5	115	.24	.23	.24	.27	.25	.02
04FCW8	118	.34	.32	.34	.34	.33	.01
04FCW6	122	.39	.34	.37	.33	.36	.03
04FCW7	128	.35	.32	.32	.33	.33	.01
04FCW2	135	.35	.37	.34	.39	.36	.02
04FCW9	149	.30	.27	.30	.29	.29	.01

Table 50.--*Kjeldahl nitrogen concentration in filtered samples collected from station 5*

[All samples were diluted 1+4 prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]05FCA	--	--	--	--	--	--	--
05FCA6	120	6.36	6.34	6.39	6.47	6.39	0.06
05FCA9	122	7.1	7.1	6.8	7.3	7.1	.2
05FCA0	127	7.2	7.6	7.1	7.6	7.4	.3
05FCA7	133	7.50	7.45	7.55	7.51	7.50	.04
05FCA4	141	8.1	7.5	7.6	7.8	7.8	.2
05FCA1	155	7.3	7.1	7.1	7.0	7.1	.1
05FCM	120	6.4	6.2	6.2	6.3	6.3	.1
05FCM	122	6.87	6.88	6.75	6.87	6.84	.06
05FCM	127	6.6	6.7	6.5	6.9	6.7	.2
05FCM	133	7.4	7.2	7.5	7.3	7.4	.1
05FCM	141	7.8	7.2	7.6	8.0	7.6	.3
05FCM	155	6.6	6.8	6.7	7.1	6.8	.2
05FCM9	120	6.7	6.4	6.3	6.4	6.5	.2
05FCM5	122	6.7	6.2	6.2	6.2	6.3	.2
05FCM8	127	6.1	6.6	6.5	7.0	6.6	.4
05FCM1	133	7.4	8.1	6.7	6.8	7.2	.6
05FCM4	141	7.8	6.9	6.7	7.2	7.1	.5
05FCM3	155	6.8	7.7	7.7	7.5	7.4	.4
[1]05FCW	--	--	--	--	--	--	--
05FCW1	120	6.5	6.3	6.1	6.0	6.2	.2
05FCW5	122	6.4	7.3	7.5	7.1	7.1	.5
05FCW8	127	6.9	7.1	7.4	7.2	7.1	.2
05FCW6	133	7.3	7.3	7.4	7.2	7.3	.1
05FCW7	141	7.1	7.4	7.1	7.2	7.2	.1
05FCW2	155	6.7	6.9	7.0	6.6	6.8	.2

[1]Only 1 liter of the acid-preserved and water-control samples was collected. No large-bottle data exist for these treatments.

Table 51.--*Kjeldahl nitrogen concentration in filtered samples collected from station 7*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07FCA	122	0.41	0.49	0.54	0.41	0.46	0.06
07FCA	125	.52	.53	.53	.61	.55	.04
07FCA	129	.49	.50	.48	.49	.49	.01
07FCA	134	.50	.49	.50	.58	.52	.04
07FCA	142	.37	.40	.49	.43	.42	.05
07FCA	156	.54	.54	.54	.57	.55	.02
07FCA7	122	.61	.59	.55	.56	.58	.03
07FCA6	125	.66	.61	.69	.64	.65	.04
07FCA9	129	.6	.9	.6	.6	.7	.2
07FCA8	134	.58	.56	.59	.54	.57	.02
07FCA1	142	.72	.56	.66	.59	.63	.07
07FCA4	156	.66	.62	.63	.65	.64	.02
07FCM	122	.61	.61	.62	.60	.61	.01
07FCM	125	.68	.69	.67	.65	.68	.02
07FCM	129	.59	.57	.62	.59	.59	.02
07FCM	134	.63	.63	.69	.70	.66	.04
07FCM	142	.65	.69	.65	.69	.67	.02
07FCM	156	.56	.58	.57	.54	.56	.02
07FCM7	122	.44	.44	.43	.45	.44	.01
07FCM1	125	.54	.56	.56	.54	.55	.01
07FCM5	129	.40	.44	.42	.43	.42	.02
07FCM4	134	.46	.43	.47	.49	.46	.03
07FCM9	142	.42	.43	.45	.47	.44	.02
07FCM0	156	.32	.39	.33	.37	.35	.03
07FCW	122	.56	.65	.61	.60	.61	.04
07FCW	125	.64	.66	.68	.64	.66	.02
07FCW	129	.66	.69	.67	.70	.68	.02
07FCW	134	.67	.69	.66	.63	.66	.02
07FCW	142	.53	.55	.58	.62	.57	.04
07FCW	156	.61	.65	.64	.63	.64	.02
07FCW3	122	.59	.60	.57	.58	.58	.01
07FCW6	125	.64	.64	.66	.63	.64	.02
07FCW5	129	.65	.65	.65	.62	.64	.01
07FCW7	134	.69	.81	.69	.71	.73	.05
07FCW1	142	.68	.66	.70	.66	.67	.02
07FCW4	156	.68	.65	.63	.65	.65	.02

Table 52.--*Kjeldahl nitrogen concentration in filtered samples collected from station 8*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08FCA	126	0.07	0.08	0.07	0.05	0.07	0.02
08FCA	129	.130	.116	.130	.132	.127	.007
08FCA	133	.09	.08	.07	.07	.08	.01
08FCA	141	.17	.16	.15	.15	.16	.01
08FCA	148	.16	.12	.14	.13	.14	.02
08FCA	162	.07	.08	.08	.12	.09	.02
08FCA3	126	.11	.11	.09	.08	.10	.01
08FCA1	129	.13	.14	.14	.15	.14	.01
08FCA5	133	.10	.10	.09	.08	.09	.01
08FCA4	141	.2	.7	.4	.1	.4	.3
08FCA2	148	.147	.158	.156	.150	.153	.005
08FCA7	162	.090	.084	.097	.085	.089	.006
08FCM	126	.146	.138	.153	.144	.145	.006
08FCM	129	.21	.18	.17	.20	.19	.02
08FCM	133	.123	.125	.125	.130	.126	.003
08FCM	141	.15	.18	.13	.15	.15	.02
08FCM	148	.17	.20	.20	.19	.19	.01
08FCM	162	.14	.14	.14	.16	.14	.01
08FCM6	126	.147	.154	.152	.149	.151	.003
08FCM8	129	.12	.13	.11	.13	.12	.01
08FCM9	133	.12	.15	.13	.12	.13	.02
08FCM1	141	.10	.12	.13	.12	.12	.02
08FCM2	148	.14	.23	.15	.17	.17	.04
08FCM5	162	.131	.137	.129	.144	.135	.007
08FCW	126	.143	.131	.123	.123	.130	.009
08FCW	129	.157	.157	.163	.164	.160	.004
08FCW	133	.12	.11	.14	.12	.12	.01
08FCW	141	.17	.14	.14	.16	.15	.01
08FCW	148	.07	.12	.04	.07	.07	.04
08FCW	162	-.02	-.03	-.04	-.02	-.03	.01
08FCW0	126	.17	.16	.17	.19	.17	.01
08FCW8	129	.19	.24	.19	.17	.20	.03
08FCW1	133	.20	.13	.14	.16	.16	.03
08FCW6	141	.18	.16	.21	.18	.18	.02
08FCW9	148	.07	1.08	.11	.07	.06	.05
08FCW5	162	.07	.01	.08	.05	.05	.03

Table 53.--*Kjeldahl nitrogen concentration in filtered samples collected from station 9*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09FCA	125	1.46	1.47	1.44	1.42	1.45	0.02
09FCA	126	1.46	1.31	1.32	1.32	1.35	.07
09FCA	128	1.38	1.34	1.40	1.44	1.39	.04
09FCA	135	1.3	1.4	1.6	1.3	1.4	.1
09FCA	147	1.54	1.48	1.41	1.52	1.49	.05
09FCA	161	1.32	1.38	1.36	1.32	1.35	.03
09FCA7	125	1.48	1.46	1.48	1.42	1.46	.03
09FCA3	126	1.39	1.39	1.36	1.36	1.38	.02
09FCA1	128	1.51	1.48	1.52	1.54	1.51	.03
09FCA5	135	1.33	1.44	1.41	1.45	1.41	.06
09FCA4	147	1.69	1.55	1.60	1.61	1.61	.06
09FCA6	161	1.5	1.3	1.6	1.6	1.5	.1
09FCM	125	1.52	1.42	1.45	1.36	1.44	.07
09FCM	126	1.21	1.23	1.28	1.23	1.23	.03
09FCM	128	1.23	1.20	1.27	1.11	1.20	.07
09FCM	135	1.4	1.2	1.3	1.2	1.3	.1
09FCM	147	1.27	1.21	1.32	1.35	1.29	.06
09FCM	161	1.51	1.31	1.35	1.34	1.38	.09
09FCM5	125	1.54	1.48	1.57	1.62	1.55	.06
09FCM6	126	1.19	1.18	1.24	1.32	1.23	.07
09FCM8	128	1.24	1.23	1.30	1.28	1.27	.03
09FCM9	135	1.46	1.33	1.34	1.28	1.35	.08
09FCM1	147	1.3	1.3	1.4	1.2	1.3	.1
09FCM3	161	1.21	1.21	1.36	1.27	1.26	.07
09FCW	125	1.52	1.60	1.52	1.58	1.55	.04
09FCW	126	1.49	1.42	1.53	1.51	1.49	.05
09FCW	128	1.32	1.29	1.36	1.34	1.33	.03
09FCW	135	1.24	1.24	1.41	1.31	1.30	.08
09FCW	147	1.54	1.57	1.60	1.52	1.56	.04
09FCW	161	1.56	1.51	1.44	1.51	1.51	.05
09FCW5	125	1.50	1.44	1.51	1.42	1.47	.04
09FCW0	126	1.46	1.39	1.54	1.48	1.47	.06
09FCW8	128	1.3	1.3	1.5	1.5	1.4	.1
09FCW1	135	1.3	1.5	1.5	1.0	1.3	.2
09FCW6	147	1.6	1.7	1.5	1.4	1.5	.1
09FCW2	161	1.46	1.48	1.48	1.38	1.45	.05

Table 54.--*Kjeldahl nitrogen concentration in filtered samples collected from station 10*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10FCA	129	0.032	0.019	0.031	0.037	0.030	0.008
10FCA	132	.03	.02	.06	.04	.04	.02
10FCA	135	.00	.01	-.02	-.02	-.01	.01
10FCA	142	-.079	-.082	-.083	-.070	-.079	.006
10FCA	149	-.04	-.06	-.07	-.02	-.05	.02
10FCA	163	.10	.07	.05	.02	.06	.03
10FCA8	129	.039	.034	.046	.048	.042	.006
10FCA4	132	.04	.05	.05	.07	.05	.01
10FCA9	135	-.01	.04	.01	.01	.01	.02
10FCA2	142	-.06	-.04	-.04	-.01	-.04	.02
10FCA0	149	-.01	.03	.05	-.01	.02	.03
10FCA1	163	.04	.04	.18	.04	.07	.07
10FCM	129	.047	.042	.055	.055	.050	.006
10FCM	132	-.01	.00	.03	.03	.01	.02
10FCM	135	.031	.036	.026	.033	.032	.004
10FCM	142	.06	.01	.00	-.01	.01	.03
10FCM	149	-.04	-.08	-.07	-.06	-.06	.02
10FCM	163	.03	.02	.02	.05	.03	.02
10FCM8	129	.1	.1	.1	.5	.2	.2
10FCM7	132	.01	.02	.01	.03	.02	.01
10FCM1	135	.05	.02	.03	.04	.04	.01
10FCM9	142	.013	.025	.019	.019	.019	.005
10FCM4	149	-.06	-.07	.08	-.06	-.03	.07
10FCM6	163	.11	.05	.08	.04	.07	.03
10FCW	129	-.02	-.07	-.06	-.07	-.05	.02
10FCW	132	.039	.046	.043	.033	.040	.006
10FCW	135	.039	.034	.041	.051	.041	.007
10FCW	142	-.10	-.07	-.11	-.11	-.10	.02
10FCW	149	-.05	-.08	-.07	-.03	-.06	.02
10FCW	163	.01	.01	.00	.07	.02	.03
10FCW4	129	-.02	-.05	-.06	-.05	-.05	.02
10FCW7	132	.047	.043	.052	.045	.047	.004
10FCW9	135	.062	.054	.044	.059	.055	.008
10FCW5	142	-.065	-.056	-.078	-.062	-.065	.009
10FCW0	149	.02	.05	-.01	-.02	.01	.03
10FCW1	163	.06	.02	.01	.04	.03	.02

Table 55.--*Kjeldahl nitrogen concentration in filtered samples collected from station 11*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11FCA	133	0.34	0.37	0.37	0.40	0.37	0.02
11FCA	136	.335	.354	.334	.342	.341	.009
11FCA	140	.38	.37	.37	.47	.40	.05
11FCA	148	.37	.42	.48	.37	.41	.05
11FCA	155	.43	.43	.38	.31	.39	.06
11FCA	168	.32	.31	.32	.49	.36	.09
11FCA6	133	.40	.35	.37	.56	.42	.09
11FCA0	136	.36	.37	.37	.34	.36	.01
11FCA9	140	.37	.40	.59	.41	.44	.10
11FCA1	148	.39	.38	.37	.49	.41	.06
11FCA5	155	.45	.36	.35	.35	.38	.05
11FCA8	168	.29	.32	.35	.43	.35	.06
11FCM	133	.48	.50	.46	.46	.48	.02
11FCM	136	.42	.48	.43	.40	.43	.03
11FCM	140	.48	.47	.46	.47	.47	.01
11FCM	148	.49	.46	.50	.56	.50	.04
11FCM	155	.39	.43	.45	.40	.42	.03
11FCM	168	.53	.42	.49	.44	.47	.05
11FCM9	133	.44	.44	.46	.50	.46	.03
11FCM8	136	.42	.41	.43	.41	.42	.01
11FCM5	140	.50	.46	.46	.47	.48	.02
11FCM3	148	.55	.75	.62	.66	.64	.08
11FCM6	155	.49	.43	.47	.56	.49	.06
11FCM0	168	.39	.47	.45	.41	.43	.04
11FCW	133	.35	.38	.36	.41	.37	.03
11FCW	136	.37	.33	.35	.32	.34	.02
11FCW	140	.32	.42	.33	.39	.36	.05
11FCW	148	.33	.32	.36	.34	.34	.02
11FCW	155	.297	.303	.306	.291	.299	.007
11FCW	168	.34	.42	.39	.53	.42	.08
11FCW1	133	.40	.38	.38	.39	.39	.01
11FCW8	136	.38	.33	.46	.37	.38	.05
11FCW5	140	.47	.59	.47	.45	.49	.07
11FCW2	148	.33	.32	.39	.38	.36	.04
11FCW0	155	.31	.34	.32	.32	.32	.01
11FCW4	168	.49	.41	.39	.39	.42	.05

Table 56.--*Kjeldahl nitrogen concentration in filtered samples collected from station 12*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12FCA	136	0.43	0.34	0.45	0.52	0.43	0.08
12FCA	139	.39	.56	.38	.38	.43	.09
12FCA	143	.49	.45	.40	.46	.45	.04
12FCA	149	.41	.41	.38	.37	.39	.02
12FCA	156	.51	.49	.48	.49	.49	.01
12FCA	170	.46	.47	.43	.46	.45	.02
12FCA0	136	.41	.35	.41	.44	.40	.04
12FCA7	139	.39	.41	.44	.43	.42	.02
12FCA3	143	.44	.48	.49	.47	.47	.02
12FCA9	149	.39	.37	.40	.38	.39	.01
12FCA4	156	.45	.43	.47	.43	.44	.02
12FCA5	170	.43	.47	.43	.43	.44	.02
12FCM	136	.43	.39	.42	.47	.43	.03
12FCM	139	.41	.50	.40	.41	.43	.05
12FCM	143	1.04	.43	.41	.44	.58	.31
12FCM	149	.40	.35	.37	.34	.37	.03
12FCM	156	.40	.39	.40	.41	.40	.01
12FCM	170	.41	.53	.43	.44	.45	.05
12FCM4	136	.4	.7	.4	.4	.5	.1
12FCM3	139	.390	.391	.387	.396	.391	.004
12FCM2	143	.46	.44	.43	.45	.44	.01
12FCM5	149	.37	.39	.40	.43	.40	.02
12FCM7	156	.36	.42	.39	.38	.39	.03
12FCM1	170	.47	.44	.43	.43	.44	.02
12FCW	136	.46	.47	.41	.45	.45	.03
12FCW	139	.44	.45	.43	.47	.45	.02
12FCW	143	.40	.42	.43	.34	.40	.04
12FCW	149	.348	.349	.356	.335	.347	.009
12FCW	156	.45	.49	.38	.43	.44	.05
12FCW	170	.37	.29	.31	.29	.31	.04
12FCW1	136	.455	.444	.443	.449	.448	.005
12FCW6	139	.46	.50	.42	.47	.46	.03
12FCW2	143	.34	.31	.40	.39	.36	.04
12FCW9	149	.40	.42	.36	.38	.39	.03
12FCW5	156	.44	.44	.43	.49	.45	.03
12FCW8	170	.29	.37	.30	.36	.33	.04

Table 57.--*Kjeldahl nitrogen concentration in filtered samples collected from station 13*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13FCA	140	0.24	0.33	0.24	0.23	0.26	0.05
13FCA	143	.32	.34	.30	.27	.31	.03
13FCA	147	.27	.29	.29	.34	.30	.03
13FCA	155	.19	.18	.20	.19	.19	.01
13FCA	161	.26	.25	.23	.23	.24	.02
13FCA	175	.23	.22	.22	.19	.22	.02
13FCA0	140	.330	.326	.318	.331	.326	.006
13FCA8	143	.35	.37	.36	.37	.36	.01
13FCA7	147	.37	.35	.38	.37	.37	.01
13FCA2	155	.315	.294	.298	.304	.303	.009
13FCA1	161	.27	.31	.28	.26	.28	.02
13FCA5	175	.35	.31	.36	.33	.34	.02
13FCM	140	.59	.61	.55	.62	.59	.03
13FCM	143	.59	[1]1.18	.56	.55	.56	.02
13FCM	147	.65	.60	.56	.60	.60	.04
13FCM	155	.509	.505	.524	.520	.515	.009
13FCM	161	.55	.57	.63	.57	.58	.03
13FCM	175	.70	.70	.60	.56	.64	.07
13FCM0	140	.377	.364	.357	.371	.367	.009
13FCM4	143	.33	.33	.34	.36	.34	.02
13FCM5	147	.33	.32	.33	.37	.34	.02
13FCM2	155	.26	.27	.27	.30	.27	.02
13FCM8	161	.32	.37	.35	.31	.34	.03
13FCM9	175	.292	.307	.295	.298	.298	.006
13FCW	140	.39	.39	.30	.33	.35	.05
13FCW	143	.5	.3	.4	.3	.4	.1
13FCW	147	.36	.40	.30	.36	.35	.04
13FCW	155	.295	.312	.304	.292	.301	.009
13FCW	161	.32	.36	.32	.33	.33	.02
13FCW	175	.31	.35	.39	.31	.34	.04
13FCW4	140	.24	.27	.29	.25	.26	.03
13FCW7	143	.23	.25	.22	.24	.24	.01
13FCW5	147	.2	.3	1.1	.3	.5	.4
13FCW9	155	.2	.4	.2	.4	.3	.1
13FCW8	161	.33	.34	.28	.29	.31	.03
13FCW1	175	.26	.35	.27	.46	.33	.09

[1]Point was not used to calculate average and standard deviation.

Table 58.--*Kjeldahl nitrogen concentration in filtered samples collected from station 14*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14FCA	143	0.48	0.49	0.52	0.48	0.49	0.02
14FCA	147	.56	.59	.49	.48	.53	.05
14FCA	150	.56	.55	.54	.53	.55	.02
14FCA	157	.45	.46	.44	.46	.45	.01
14FCA	163	.56	.50	.49	.53	.52	.03
14FCA	175	.50	.65	.50	.60	.56	.08
14FCA4	143	.50	.53	.56	.51	.53	.03
14FCA3	147	.52	.52	.51	.53	.52	.01
14FCA0	150	.52	.55	.52	.54	.53	.02
14FCA8	157	.50	.49	.53	.48	.50	.02
14FCA5	163	.55	.49	.52	.57	.53	.04
14FCA1	175	.56	.53	.54	.51	.54	.02
14FCM	143	.47	.44	.45	.46	.46	.02
14FCM	147	.47	.45	.48	.47	.47	.01
14FCM	150	.35	.33	.32	.29	.32	.02
14FCM	157	.47	.54	.46	.49	.49	.04
14FCM	163	.49	.64	.47	.46	.51	.09
14FCM	175	.57	.59	.53	.51	.55	.04
14FCM5	143	.516	.515	.520	.523	.519	.004
14FCM9	147	.52	.52	.50	.50	.51	.01
14FCM6	150	.38	.38	.36	.32	.36	.03
14FCM7	157	.44	.45	.49	.49	.47	.03
14FCM1	163	.47	.50	.52	.49	.49	.02
14FCM8	175	.64	.58	.55	.53	.57	.05
14FCW	143	.44	.45	.45	.48	.46	.02
14FCW	147	.23	.22	.24	.29	.25	.03
14FCW	150	.39	.49	.42	.39	.42	.05
14FCW	157	.50	.54	.50	.51	.51	.02
14FCW	163	.48	.49	.45	.45	.47	.02
14FCW	175	.4	.4	.5	.7	.5	.1
14FCW6	143	.462	.464	.475	.456	.464	.008
14FCW3	147	.26	.40	.36	.31	.33	.06
14FCW4	150	.39	.49	.37	.37	.41	.06
14FCW8	157	.58	.53	.55	.56	.56	.02
14FCW9	163	.48	.46	.49	.47	.48	.02
14FCW5	175	.45	.42	.47	.54	.47	.05

Table 59.--*Kjeldahl nitrogen concentration in filtered samples collected from station 15*

[Samples were not diluted prior to digestion. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15FCA	148	0.64	0.66	0.62	0.64	0.64	0.02
15FCA	150	.69	.77	.71	.78	.74	.04
15FCA	153	.54	.53	.52	.56	.54	.02
15FCA	157	.59	.61	.63	.60	.61	.02
15FCA	168	.56	.59	.57	.67	.60	.05
15FCA	181	.68	.62	.59	.56	.61	.06
15FCA5	148	.64	.61	.65	.65	.64	.02
15FCA9	150	.67	.70	.70	.72	.70	.02
15FCA1	153	.48	.55	.54	.53	.53	.03
15FCA6	157	.62	.59	.60	.60	.60	.01
15FCA0	168	.54	.59	.59	.60	.58	.03
15FCA4	181	.61	.64	.57	.63	.61	.03
15FCM	148	.65	.61	.61	.67	.64	.03
15FCM	150	.47	.60	.57	.47	.53	.07
15FCM	153	.63	.67	.62	.63	.63	.02
15FCM	157	.62	.62	.62	.61	.62	.01
15FCM	168	.61	.57	.58	.58	.59	.02
15FCM	181	.62	.65	.60	.62	.62	.02
15FCM1	148	.74	.65	.60	.68	.67	.06
15FCM4	150	.48	.50	.48	.50	.49	.01
15FCM8	153	.59	.60	.62	.56	.59	.03
15FCM2	157	.60	.59	.59	.66	.61	.03
15FCM6	168	.64	.64	.65	.57	.63	.03
15FCM5	181	.59	.62	.60	.61	.61	.01
15FCW	148	.64	.66	.62	.63	.64	.02
15FCW	150	.63	.69	.60	.65	.64	.04
15FCW	153	.64	.62	.66	.69	.65	.03
15FCW	157	.70	.70	.66	.69	.69	.02
15FCW	168	.61	.61	.61	.74	.65	.07
15FCW	181	.53	.56	.54	.56	.55	.02
15FCW9	148	.65	.61	.65	.61	.63	.03
15FCW2	150	.66	.58	.60	.63	.62	.04
15FCW5	153	.67	.68	.71	.65	.68	.03
15FCW7	157	.695	.689	.691	.676	.688	.008
15FCW4	168	.79	.78	.61	.76	.74	.09
15FCW6	181	.64	.60	.58	.60	.60	.03

Table 60.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 1*

[Unless otherwise specified, samples were diluted 1+1 prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]01RCA	104	4.71	[3]5.20	4.83	4.82	4.79	0.07
01RCA	109	4.82	4.71	4.82	[3]5.20	4.78	.06
01RCA	112	4.8	4.8	4.9	4.6	4.8	.1
01RCA	114	4.2	4.3	4.4	4.4	4.3	.1
01RCA	125	5.1	5.0	4.9	4.7	4.9	.1
01RCA	139	5.2	5.0	5.0	4.9	5.0	.1
[1]01RCA	104	4.6	4.8	4.8	4.9	4.8	.1
01RCA6	109	4.66	4.54	4.63	4.69	4.63	.07
01RCA5	112	4.73	4.61	4.62	4.66	4.65	.06
[2]01RCA5	114	4.2	4.2	4.4	4.4	4.3	.1
01RCA9	125	5.1	5.0	5.4	4.8	5.1	.3
01RCA8	139	5.11	4.98	5.04	5.18	5.08	.09
[1]01RCM	104	4.5	4.6	4.6	4.9	4.6	.2
01RCM	105	5.1	4.8	4.6	4.6	4.8	.2
01RCM	109	5.2	4.8	4.9	4.7	4.9	.2
01RCM	112	4.67	4.55	4.75	4.58	4.64	.09
01RCM	114	4.5	4.9	4.3	4.5	4.6	.3
01RCM	125	4.8	4.8	5.1	5.0	4.9	.2
01RCM	139	4.9	5.1	5.2	4.6	4.9	.3
[1]01RCM6	104	4.7	4.77	4.81	4.85	4.78	.06
01RCM5	105	4.8	4.6	4.5	4.9	4.7	.2
01RCM1	109	4.89	4.79	4.82	4.73	4.81	.07
01RCM4	112	4.62	4.62	4.56	4.62	4.6	.03
[2]01RCM4	114	4.7	4.3	4.4	4.5	4.5	.2
01RCM8	125	5.2	5.3	5.0	5.1	5.2	.2
01RCM9	139	4.88	5.02	4.8	4.85	4.89	.09
[1]01RCW	104	5.0	5.0	4.7	4.8	4.9	.1
01RCW	105	4.69	4.69	4.61	4.56	4.64	.06
01RCW	109	4.3	4.4	4.0	4.6	4.3	.2
01RCW	112	4.21	4.24	4.14	4.18	4.19	.04
01RCW	114	3.3	3.6	3.5	3.4	3.4	.1
01RCW	125	1.36	1.27	1.19	1.33	1.29	.07
01RCW	139	1.2	1.0	1.2	1.1	1.1	.1
[1]01RCW3	104	5.00	4.83	4.85	4.89	4.89	.08
01RCW6	105	4.50	4.65	4.68	4.82	4.66	.13
01RCW7	109	4.33	4.24	4.42	4.44	4.36	.09
01RCW8	112	4.37	4.53	4.51	4.58	4.49	.09
[2]01RCW8	114	3.94	3.99	4.01	3.92	3.96	.04
01RCW1	125	3.47	3.62	3.47	3.62	3.54	.09
01RCW5	139	1.18	1.23	1.06	1.26	1.18	.09

[1]Sample was not diluted prior to digestion.
[2]Repeat analysis on the same small-bottle split.
[3]Sample was not used to calculate average and standard deviation.

Table 61.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 2*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]02RCA	109	3.01	3.02	3.06	3.17	3.07	0.07
02RCA	112	3.21	3.20	3.05	3.20	3.17	.08
02RCA	114	2.94	2.92	2.78	2.83	2.87	.08
02RCA	121	3.17	3.13	3.13	3.2	3.16	.04
02RCA	127	3.09	3.14	3.12	3.08	3.11	.03
02RCA	142	3.35	3.42	3.34	3.4	3.38	.04
[1]02RCA7	109	3.06	3.09	2.92	3.01	3.02	.08
02RCA5	112	3.13	3.14	3.09	3.12	3.12	.02
02RCA9	114	3.0	2.9	2.9	2.7	2.9	.1
02RCA8	121	3.00	3.11	3.06	3.11	3.07	.05
02RCA2	127	3.23	3.14	3.13	3.19	3.17	.05
02RCA0	142	3.1	2.7	3.0	2.7	2.9	.2
[1]02RCM	109	3.2	3.4	3.1	3.1	3.2	.1
02RCM	112	2.8	3.0	2.8	3.2	3.0	.2
02RCM	114	2.89	2.89	2.94	2.84	2.89	.04
02RCM	121	3.35	3.42	3.37	3.49	3.41	.07
02RCM	127	2.7	[2]3.0	2.5	2.7	2.6	.1
02RCM	142	3.08	3.03	3.11	[2]2.70	3.07	.04
[1]02RCM3	109	3.4	3.2	3.1	3.4	3.3	.1
02RCM5	112	3.11	3.06	2.99	3.06	3.06	.05
02RCM1	114	2.84	2.84	2.99	2.99	2.92	.09
02RCM8	121	3.3	3.4	3.4	3.32	3.36	.06
02RCM9	127	3.0	3.1	2.9	3.1	3.0	.1
02RCM4	142	3.2	3.1	2.8	3.2	3.1	.2
[1]02RCW	109	3.1	2.8	2.9	3.0	2.9	.1
02RCW	112	3.05	3.05	3.16	3.17	3.11	.07
02RCW	114	2.5	2.6	2.8	2.7	2.6	.1
02RCW	121	2.22	2.21	2.16	2.08	2.17	.06
02RCW	127	1.59	1.58	1.58	1.68	1.61	.05
02RCW	142	1.2	1.7	1.2	1.3	1.4	.2
[1]02RCW6	109	3.12	2.97	3.08	3.09	3.06	.07
02RCW9	112	3.11	3.05	3.14	3.03	3.08	.05
02RCW8	114	2.68	2.7	2.72	2.59	2.67	.06
02RCW4	121	2.84	2.97	2.96	2.97	2.93	.06
02RCW7	127	2.2	2.4	2.6	2.4	2.4	.1
02RCW1	142	1.37	1.31	1.29	1.31	1.32	.03

[1]Sample was diluted 1+1 prior to digestion.
[2]Point was not used to calculate average and standard deviation.

Table 62.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 3*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03RCA	112	0.54	0.55	0.55	0.57	0.55	0.02
03RCA	115	.50	.52	.51	.53	.51	.02
03RCA	119	.541	.524	.525	.527	.529	.008
03RCA	127	.55	.54	.55	.53	.54	.01
03RCA	134	.57	.58	.52	.56	.56	.03
03RCA	148	.57	.58	.59	[1].75	.58	.01
03RCA5	112	.53	.54	.50	.51	.52	.02
03RCA8	115	.50	.47	.47	.49	.48	.01
03RCA0	119	.52	.54	.54	.52	.53	.01
03RCA3	127	.55	.54	.53	.56	.55	.01
03RCA9	134	.50	.53	.52	.52	.52	.01
03RCA1	148	.54	.57	.55	.58	.56	.02
03RCM	112	.60	.55	.55	.57	.57	.02
03RCM	115	.57	.60	.57	.55	.57	.02
03RCM	119	.53	.51	.58	.54	.54	.03
03RCM	127	.59	.55	.60	.59	.58	.02
03RCM	134	.54	.55	.55	.53	.55	.01
03RCM	148	.53	.63	.57	.57	.58	.04
03RCM8	112	.560	.561	.551	.562	.559	.005
03RCM3	115	.535	.540	.534	.547	.539	.006
03RCM5	119	.45	.49	.48	.55	.49	.04
03RCM2	127	.57	.52	.58	.55	.55	.03
03RCM1	134	.50	.53	.54	.53	.52	.02
03RCM6	148	[1].65	.53	.51	.51	.52	.01
03RCW	112	.59	.57	.58	.55	.57	.02
03RCW	115	.526	.52	.507	.518	.518	.008
03RCW	119	.54	.54	.54	.52	.54	.01
03RCW	127	.46	.54	.49	.50	.50	.03
03RCW	134	.57	.49	.55	.51	.53	.04
03RCW	148	.40	.39	.45	.38	.40	.03
03RCW8	112	.521	.525	.51	.506	.516	.009
03RCW2	115	.49	.53	.56	.52	.52	.03
03RCW5	119	.56	.53	.53	.55	.54	.01
03RCW3	127	.50	.51	.48	.51	.50	.02
03RCW6	134	.58	.65	.62	[1].76	.62	.03
03RCW0	148	.7	.8	.9	1.0	.9	.1

[1]Point was not used to calculate average and standard deviation.

Table 63.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 4*

[Unless otherwise specified, samples were not diluted prior to digestion.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]04RCA	115	2.14	2.05	[2]4.16	2.21	2.13	0.08
04RCA	118	2.01	2.04	2.06	2.01	2.03	.03
04RCA	122	2.19	2.14	2.35	2.25	2.23	.09
04RCA	128	[2]2.60	2.26	2.35	2.22	2.28	.07
04RCA	135	2.26	2.30	2.22	2.25	2.26	.03
04RCA	149	2.05	2.14	2.10	2.03	2.08	.05
[1]04RCA8	115	2.1	2.2	1.9	2.3	2.1	.2
04RCA9	118	2.16	2.35	[2]2.90	2.23	2.25	.09
04RCA4	122	2.27	2.34	2.28	2.27	2.29	.03
04RCA3	128	2.4	2.2	2.1	2.2	2.2	.1
04RCA5	135	2.30	2.20	2.35	2.20	2.27	.08
04RCA2	149	2.09	2.21	2.24	2.15	2.17	.07
[1]04RCM	115	2.03	2.06	2.18	2.09	2.09	.06
04RCM	118	2.11	1.99	2.02	2.12	2.06	.07
04RCM	122	2.2	2.3	2.4	2.1	2.2	.1
04RCM	128	2.19	2.26	2.18	2.04	2.17	.09
04RCM	135	2.12	2.16	2.18	2.07	2.13	.05
04RCM	149	1.8	2.0	1.8	1.6	1.8	.2
[1]04RCM8	115	2.06	2.02	2.08	2.05	2.05	.02
04RCM1	118	2.0	2.0	2.2	1.9	2.0	.1
04RCM7	122	2.25	2.18	2.25	2.16	2.21	.05
04RCM2	128	2.23	2.20	2.25	[2]1.08	2.23	.03
04RCM5	135	2.09	2.10	2.10	2.13	2.10	.02
04RCM9	149	1.75	1.69	1.73	1.60	1.69	.07
[1]04RCW	115	1.85	1.77	1.89	1.99	1.87	.09
04RCW	118	2.12	2.10	2.05	[2]1.50	2.09	.04
04RCW	122	2.24	2.09	2.16	2.16	2.16	.06
04RCW	128	2.0	2.3	2.0	2.4	2.2	.2
04RCW	135	2.14	2.24	2.07	2.21	2.17	.08
04RCW	149	2.10	2.14	2.05	2.02	2.08	.05
[1]04RCW1	115	1.96	1.99	2.08	1.86	1.97	.09
04RCW2	118	2.12	2.10	2.05	[2]1.50	2.09	.04
04RCW3	122	2.14	2.23	2.20	2.18	2.19	.04
04RCW4	128	2.3	2.1	2.2	1.9	2.1	.2
04RCW5	135	2.1	2.2	2.2	1.9	2.1	.1
04RCW6	149	2.15	2.23	2.21	2.09	2.17	.07

[1]Sample was diluted 1+1 prior to digestion.
[2]Point was not used to calculate average and standard deviation.

Table 64.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 5*

[All samples were diluted 1+4 prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
05RCA	120	8.63	8.65	8.68	8.53	8.62	0.07
05RCA	122	9.8	9.5	9.6	9.9	9.7	.2
05RCA	127	10.3	11.0	10.4	10.3	10.5	.3
05RCA	133	10.3	10.7	10.9	10.3	10.5	.3
05RCA	141	10.32	10.44	10.45	[1]13.00	10.40	.07
05RCA	155	9.7	9.4	9.8	10.3	9.8	.3
05RCA0	120	9.1	9.1	9.0	8.5	8.9	.3
05RCA3	122	9.4	9.4	9.2	8.8	9.2	.3
05RCA7	127	9.8	9.5	1.3	9.7	9.8	.4
05RCA8	133	9.8	9.8	1.4	9.5	9.9	.4
05RCA6	141	1.1	9.9	1.0	9.8	9.9	.1
05RCA5	155	9.1	8.9	9.0	9.2	9.1	.1
05RCM	120	9.0	9.3	9.6	8.9	9.2	.3
05RCM	122	10	10	12	10	10	1
05RCM	127	10	10	11	12	11	1
05RCM	133	10.3	10.3	11.1	11.0	10.7	.5
05RCM	141	11.2	10.3	11.9	11.2	11.1	.7
05RCM	155	9.5	9.4	9.8	10.5	9.8	.5
05RCM4	120	9.4	9.1	9.0	9.3	9.2	.2
05RCM2	122	9.5	9.5	9.0	9.2	9.3	.2
05RCM3	127	9.5	9.7	9.8	8.3	9.3	.7
05RCM8	133	10.32	10.28	10.14	10.20	10.24	.08
05RCM0	141	10.5	10.7	10.5	11.6	[1]0.8	.5
05RCM5	155	10.2	10.1	9.4	9.6	9.8	.4
05RCW	120	8.8	8.9	8.4	8.9	8.7	.2
05RCW	122	9.0	10.8	10.8	9.4	10.0	.9
05RCW	127	10.1	10.1	10.6	[1]14.0	10.3	.3
05RCW	133	8.8	9.0	8.9	9.1	8.9	.1
05RCW	141	8.4	8.2	7.9	8.4	8.2	.2
05RCW	155	[1]9.0	6.8	6.1	7.0	6.7	.5
05RCW1	120	8.3	8.1	7.9	8.3	8.2	.2
05RCW2	122	8.6	8.7	9.2	8.6	8.8	.3
05RCW6	127	9.9	9.8	[1]11.2	9.3	9.7	.3
05RCW4	133	9.2	8.8	9.1	8.7	8.9	.2
05RCW0	141	7.44	7.60	7.52	7.60	7.54	.07
05RCW9	155	5.2	5.6	5.3	5.1	5.3	.2

[1]Point was not used to calculate average and standard deviation.

Table 65.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 6*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
06RCA	118	0.335	0.333	0.338	0.342	0.337	0.004
06RCA	119	.34	.33	.33	.31	.33	.01
06RCA	121	.4	.4	.4	.6	.4	.1
06RCA	128	.34	.37	.36	.35	.35	.02
06RCA	139	.3	.4	.3	.6	.4	.1
06RCA	153	.25	.29	.26	.27	.27	.02
06RCA6	118	.33	.32	.34	.32	.33	.01
06RCA3	119	.32	.32	.33	.34	.33	.01
06RCA9	121	.35	.41	.35	.37	.37	.03
06RCA5	128	.38	.36	.35	.35	.36	.02
06RCA8	139	.34	.37	.34	.34	.35	.02
06RCA1	153	.29	.25	.28	.23	.26	.03
06RCM	118	.41	.35	.45	.36	.39	.05
06RCM	119	.36	.35	.38	.33	.35	.02
06RCM	121	.36	.38	.39	.38	.37	.01
06RCM	128	.343	.356	.358	.345	.351	.008
06RCM	139	.377	.384	.376	.384	.380	.004
06RCM	153	.406	.399	.392	.405	.401	.006
06RCM0	118	.36	.37	.38	.40	.38	.02
06RCM2	119	.35	.37	.34	.34	.35	.02
06RCM1	121	.37	.39	.42	.40	.40	.02
06RCM5	128	.35	.41	.36	.39	.38	.03
06RCM8	139	.4	.8	.4	.4	.5	.2
06RCM6	153	.41	.41	.41	.38	.40	.02
06RCW	118	.3	.3	.6	.3	.4	.2
06RCW	119	.35	.35	.37	.33	.35	.02
06RCW	121	.36	.35	.37	.34	.35	.01
06RCW	128	.32	.31	.34	.32	.32	.01
06RCW	139	.36	.39	.41	.38	.38	.02
06RCW	153	.43	.35	.37	.42	.39	.04
06RCW4	118	.36	.33	.36	.38	.36	.02
06RCW6	119	.345	.349	.342	.360	.349	.008
06RCW8	121	.36	.42	.44	.37	.40	.04
06RCW2	128	.31	.32	.36	.33	.33	.02
06RCW7	139	.382	.379	.387	.391	.385	.005
06RCW3	153	.41	.43	.44	.41	.42	.01

Table 66.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 7*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07RCA	122	1.04	[1]0.73	0.97	0.97	0.99	0.04
07RCA	125	1.48	1.46	1.40	1.59	1.49	.08
07RCA	129	1.24	1.43	1.31	1.29	1.32	.08
07RCA	134	1.52	1.54	1.48	1.48	1.51	.03
07RCA	142	1.53	1.56	1.56	1.56	1.55	.02
07RCA	156	1.53	1.43	1.46	1.43	1.46	.05
07RCA8	122	1.25	[1]0.89	1.30	1.29	1.28	.02
07RCA0	125	1.47	1.41	1.52	1.62	1.50	.09
07RCA3	129	1.3	1.0	1.3	1.3	1.3	.2
07RCA9	134	1.37	1.48	1.36	1.42	1.41	.05
07RCA5	142	1.57	1.55	1.48	1.57	1.54	.04
07RCA6	156	1.44	1.42	1.50	1.47	1.46	.03
07RCM	122	1.4	1.2	.8	.9	1.1	.3
07RCM	125	1.39	1.57	1.41	1.44	1.45	.08
07RCM	129	1.35	1.29	1.31	1.42	1.34	.06
07RCM	134	1.51	1.46	1.43	1.44	1.46	.04
07RCM	142	1.46	1.50	1.55	1.61	1.53	.07
07RCM	156	1.20	1.11	1.06	1.13	1.12	.06
07RCM8	122	1.3	1.0	1.4	1.3	1.3	.2
07RCM4	125	1.49	1.39	1.41	1.47	1.44	.05
07RCM2	129	1.31	1.30	1.31	1.38	1.33	.03
07RCM1	134	1.50	1.41	1.48	1.39	1.44	.05
07RCM5	142	1.43	1.44	1.36	1.40	1.41	.04
07RCM0	156	1.27	1.24	1.13	1.10	1.19	.08
07RCW	122	1.17	1.02	1.09	1.00	1.07	.08
07RCW	125	1.43	1.47	1.47	1.47	1.46	.02
07RCW	129	1.5	1.3	1.4	1.5	1.4	.1
07RCW	134	1.7	1.6	1.4	1.6	1.6	.1
07RCW	142	1.49	1.45	1.48	1.44	1.47	.02
07RCW	156	1.58	1.48	1.46	1.62	1.54	.08
07RCW4	122	[1]1.40	.92	1.02	1.05	1.00	.07
07RCW1	125	1.53	1.38	1.41	1.49	1.45	.07
07RCW2	129	1.52	1.51	1.40	1.54	1.49	.06
07RCW8	134	1.6	1.6	1.6	1.4	1.6	.1
07RCW9	142	1.33	1.41	1.43	1.35	1.38	.04
07RCW0	156	1.38	1.33	1.47	1.44	1.41	.07

[1]Point was not used to calculate average and standard deviation.

Table 67.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 8*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08RCA	126	0.159	0.160	0.158	0.159	0.159	0.001
08RCA	129	.20	.20	.21	.22	.21	.01
08RCA	133	.153	.154	.152	.169	.157	.008
08RCA	141	.26	.23	.27	.27	.26	.02
08RCA	148	.21	.21	.23	.21	.22	.01
08RCA	162	.17	.17	.20	.17	.17	.02
08RCA8	126	.17	.18	.19	.13	.17	.03
08RCA5	129	.21	.22	.18	.20	.20	.02
08RCA3	133	.159	.171	.151	.161	.161	.008
08RCA6	141	.23	.38	.22	.23	.26	.08
08RCA4	148	.21	.22	.21	.19	.21	.01
08RCA9	162	.14	.19	.13	.14	.15	.03
08RCM	126	.207	[1].415	.214	.220	.214	.007
08RCM	129	.39	.26	.25	.30	.30	.06
08RCM	133	.20	.19	.24	.23	.22	.02
08RCM	141	.19	.20	.17	.18	.18	.01
08RCM	148	.243	.235	.233	.231	.236	.005
08RCM	162	.19	.17	.18	.20	.18	.01
08RCM8	126	.23	.21	.21	.20	.21	.01
08RCM5	129	.18	.21	.19	.18	.19	.01
08RCM2	133	.21	.20	.19	.19	.20	.01
08RCM0	141	.17	.18	.15	.19	.17	.02
08RCM7	148	.30	.22	.39	.20	.28	.09
08RCM1	162	.17	.18	.19	[1].33	.18	.01
08RCW	126	.20	.22	.21	.21	.21	.01
08RCW	129	.242	.242	.241	.229	.239	.006
08RCW	133	.20	.20	.25	.20	.21	.03
08RCW	141	.217	.216	.233	.218	.221	.008
08RCW	148	.19	.14	.14	.20	.17	.03
08RCW	162	.05	.12	.05	.07	.07	.04
08RCW4	126	.24	.26	.25	.23	.25	.02
08RCW9	129	.253	.259	.264	.271	.262	.008
08RCW2	133	.19	.19	.22	.21	.20	.02
08RCW0	141	.19	.20	.21	.21	.20	.01
08RCW5	148	.11	.23	.16	.14	.16	.05
08RCW8	162	.14	.11	.11	.07	.11	.03

[1]Point was not used to calculate average and standard deviation.

Table 68.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 9*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09RCA	125	1.56	1.57	1.40	1.54	1.52	0.08
09RCA	126	1.25	1.30	1.35	1.33	1.31	.04
09RCA	128	1.28	1.25	1.21	1.40	1.28	.08
09RCA	135	1.46	1.46	1.39	1.53	1.46	.06
09RCA	147	1.4	1.5	1.7	1.5	1.5	.1
09RCA	161	1.25	1.39	1.39	1.29	1.33	.07
09RCA5	125	1.6	1.7	1.5	1.4	1.5	.1
09RCA0	126	1.3	1.2	1.4	1.4	1.4	.1
09RCA3	128	1.2	1.3	1.5	1.2	1.3	.1
09RCA8	135	1.6	1.5	1.5	1.9	1.6	.2
09RCA2	147	1.4	1.6	1.6	1.7	1.6	.1
09RCA4	161	1.4	1.5	1.3	1.3	1.4	.1
09RCM	125	1.53	1.46	1.53	1.59	1.53	.06
09RCM	126	1.21	1.15	1.28	1.31	1.24	.07
09RCM	128	1.1	1.0	1.4	1.1	1.1	.2
09RCM	135	1.5	1.6	1.4	1.3	1.5	.1
09RCM	147	1.41	1.29	1.29	1.45	1.36	.09
09RCM	161	1.42	1.41	1.47	1.50	1.45	.05
09RCM1	125	1.48	1.42	1.50	1.58	1.50	.07
09RCM6	126	1.44	1.43	1.28	1.44	1.40	.08
09RCM9	128	1.41	1.38	1.39	1.38	1.39	.02
09RCM7	135	1.47	1.50	1.40	1.49	1.47	.05
09RCM3	147	1.46	1.50	1.32	1.39	1.42	.08
09RCM5	161	1.36	1.47	1.32	1.27	1.35	.08
09RCW	125	1.63	1.61	1.80	1.72	1.69	.09
09RCW	126	1.6	1.5	1.4	1.9	1.6	.2
09RCW	128	1.44	1.32	1.40	1.37	1.38	.05
09RCW	135	1.2	1.3	1.3	1.5	1.3	.1
09RCW	147	1.4	1.6	1.3	1.5	1.4	.1
09RCW	161	1.6	1.7	1.5	1.6	1.6	.1
09RCW9	125	1.64	1.649	1.643	1.661	1.648	.009
09RCW4	126	1.5	1.7	1.7	1.8	1.7	.1
09RCW8	128	1.3	1.6	1.5	1.6	1.5	.2
09RCW3	135	1.3	1.4	1.3	1.1	1.3	.1
09RCW1	147	1.80	1.75	1.66	1.77	1.75	.06
09RCW6	161	1.69	1.57	1.74	1.64	1.66	.08

Table 69.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 10*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10RCA	129	0.023	0.031	0.019	0.015	0.022	0.007
10RCA	132	.04	.02	.05	.04	.04	.01
10RCA	135	.03	.05	.06	.04	.04	.01
10RCA	142	-.09	-.07	-.08	-.05	-.07	.02
10RCA	149	-.05	-.04	-.04	-.03	-.04	.01
10RCA	163	.0	.1	.0	.5	.2	.2
10RCA0	129	.020	.027	.023	.026	.024	.003
10RCA1	132	.03	.02	.03	.07	.04	.02
10RCA9	135	.036	.048	.039	.055	.045	.009
10RCA6	142	-.03	-.07	-.05	-.05	-.05	.02
10RCA7	149	[1].20	-.02	-.03	-.05	-.03	.01
10RCA5	163	.03	.06	.06	.04	.05	.02
10RCM	129	.07	.05	.09	.06	.07	.02
10RCM	132	.09	.03	.01	.01	.03	.04
10RCM	135	.067	.059	.071	.080	.069	.009
10RCM	142	.034	.033	.030	.017	.029	.008
10RCM	149	-.07	-.07	-.07	-.03	-.06	.02
10RCM	163	.016	.035	.021	.017	.022	.009
10RCM6	129	.13	.08	.05	.06	.08	.04
10RCM8	132	.01	.05	.03	.03	.03	.02
10RCM4	135	.07	.08	.10	.09	.08	.01
10RCM2	142	.019	.010	.006	.018	.013	.006
10RCM0	149	-.05	.01	-.02	.00	-.01	.03
10RCM1	163	.03	.02	.02	.04	.03	.01
10RCW	129	-.05	-.05	-.02	.00	-.03	.03
10RCW	132	.05	.05	.03	.03	.04	.01
10RCW	135	.07	.04	.06	.04	.05	.02
10RCW	142	-.05	-.07	-.08	-.06	-.06	.01
10RCW	149	-.049	-.057	-.047	-.036	-.047	.009
10RCW	163	.04	.05	.00	.02	.02	.02
10RCW4	129	-.047	-.060	-.049	-.038	-.049	.009
10RCW5	132	.041	.046	.046	.048	.045	.003
10RCW2	135	.058	.067	.070	.062	.064	.005
10RCW7	142	-.08	-.07	-.09	-.07	-.08	.01
10RCW0	149	-.03	-.03	[1].20	-.05	-.04	.01
10RCW9	163	.01	.04	.06	.10	.05	.03

[1]Point was not used to calculate average and standard deviation.

Table 70.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 11*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11RCA	133	0.36	0.46	0.42	0.36	0.40	0.05
11RCA	136	.44	.39	.37	.36	.39	.04
11RCA	140	.41	.42	.43	.47	.43	.03
11RCA	148	.38	.34	.39	.40	.38	.03
11RCA	155	.44	.34	.37	.42	.39	.05
11RCA	168	.30	.34	.35	.33	.33	.02
11RCA8	133	.36	.38	.37	.36	.37	.01
11RCA6	136	.38	.45	.47	.37	.42	.05
11RCA1	140	.42	.40	.38	.47	.42	.04
11RCA2	148	.52	.42	.40	.48	.45	.05
11RCA7	155	.48	.46	.47	.45	.47	.01
11RCA4	168	.32	.40	.34	.39	.36	.04
11RCM	133	.473	.477	.483	.474	.477	.004
11RCM	136	.49	.46	.47	.49	.48	.01
11RCM	140	.532	.529	.528	.522	.528	.004
11RCM	148	.51	.54	.57	.53	.54	.02
11RCM	155	.48	.50	.48	.51	.49	.02
11RCM	168	.46	.41	.39	.41	.42	.03
11RCM7	133	.47	.40	.41	.42	.43	.03
11RCM2	136	.49	.51	.46	.46	.48	.02
11RCM8	140	.49	.54	.50	.48	.50	.03
11RCM3	148	.61	.68	.56	.52	.59	.07
11RCM0	155	.48	.48	.50	.45	.48	.02
11RCM4	168	.44	.44	.41	.41	.43	.02
11RCW	133	.39	.37	.37	.49	.41	.06
11RCW	136	.47	.48	.45	.41	.45	.03
11RCW	140	.37	.39	.49	.47	.43	.06
11RCW	148	.34	.30	.32	.31	.32	.02
11RCW	155	.35	.37	.34	.33	.35	.02
11RCW	168	.43	.42	.43	.48	.44	.03
11RCW3	133	.41	.42	.37	.44	.41	.03
11RCW7	136	.49	.44	.45	.46	.46	.02
11RCW5	140	.51	.54	.43	.48	.49	.05
11RCW1	148	.32	.39	.35	.30	.34	.04
11RCW0	155	.37	.34	.35	.34	.35	.02
11RCW6	168	.52	.47	.41	.47	.47	.05

Table 71.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 12*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12RCA	136	0.72	0.68	0.69	0.66	0.69	0.02
12RCA	139	.60	.61	.56	.68	.61	.05
12RCA	143	.72	.73	.70	.71	.71	.01
12RCA	149	.50	.57	.54	.57	.55	.03
12RCA	156	.75	.79	.73	.78	.76	.03
12RCA	170	.68	.76	.72	.67	.71	.04
12RCA6	136	.70	.68	.64	.65	.67	.03
12RCA9	139	.67	.62	.64	.58	.63	.04
12RCA4	143	.66	.70	.64	.66	.67	.02
12RCA7	149	.47	.50	.47	.48	.48	.01
12RCA2	156	.65	.70	.61	.63	.65	.04
12RCA5	170	.66	.69	.66	.69	.68	.02
12RCM	136	.69	.64	.66	.66	.66	.02
12RCM	139	.57	.70	.67	.66	.65	.05
12RCM	143	.65	.70	.70	[1].65	.68	.02
12RCM	149	.57	.40	.45	.47	.47	.07
12RCM	156	.55	.51	.50	.54	.52	.02
12RCM	170	.68	.71	.64	.71	.69	.03
12RCM2	136	.67	.68	.67	.72	.68	.03
12RCM9	139	.70	.51	.62	.71	.64	.09
12RCM5	143	.69	.64	.62	.62	.64	.04
12RCM0	149	.36	.43	.45	.49	.43	.05
12RCM3	156	.55	.59	.56	.53	.56	.03
12RCM1	170	.55	.61	.62	.64	.61	.04
12RCW	136	.59	.51	.68	.66	.61	.08
12RCW	139	.69	.73	.73	.70	.71	.02
12RCW	143	.65	.70	.70	[1].65	.68	.02
12RCW	149	.61	.63	.67	.68	.65	.03
12RCW	156	.70	.75	.72	.68	.71	.03
12RCW	170	.53	.52	.54	.53	.53	.01
12RCW7	136	.72	.72	.77	.73	.74	.02
12RCW8	139	.74	.73	.79	.77	.76	.03
12RCW6	143	.67	.72	.62	.70	.68	.04
12RCW0	149	.614	.611	.602	.620	.612	.008
12RCW1	156	.65	.67	.65	.64	.65	.01
12RCW9	170	.49	.47	.52	.50	.49	.02

[1]Point was not used to calculate average and standard deviation.

Table 72.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 13*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13RCA	140	0.61	0.68	0.58	0.66	0.63	0.05
13RCA	143	.65	.66	.63	.67	.65	.02
13RCA	147	.68	.67	.66	.65	.67	.01
13RCA	155	.60	.54	.52	.47	.53	.05
13RCA	161	.61	.61	.57	.62	.60	.02
13RCA	175	.6	[1]1.1	.8	.7	.7	.1
13RCA8	140	.65	.67	.65	.63	.65	.02
13RCA1	143	.641	.619	.629	.628	.629	.009
13RCA4	147	.60	.68	.66	.69	.66	.04
13RCA9	155	.54	.56	.56	.56	.55	.01
13RCA6	161	.52	.56	.55	.52	.54	.02
13RCA5	175	.70	.78	.66	.64	.69	.06
13RCM	140	.68	.67	.64	.65	.66	.02
13RCM	143	.55	.56	.61	.65	.59	.05
13RCM	147	.63	.65	.67	.62	.64	.02
13RCM	155	.47	.55	.60	.56	.55	.05
13RCM	161	.60	.63	.54	.60	.59	.04
13RCM	175	.62	.78	.64	.69	.68	.07
13RCM7	140	.66	.67	.63	.66	.65	.02
13RCM5	143	.57	.59	.60	.62	.60	.02
13RCM6	147	.57	.57	.60	.57	.58	.02
13RCM4	155	.56	.54	.53	.54	.54	.01
13RCM2	161	.52	.55	.59	.60	.56	.04
13RCM1	175	.65	.61	.59	.56	.60	.04
13RCW	140	.59	[1]1.33	.63	.60	.61	.03
13RCW	143	.62	.61	.63	.60	.61	.01
13RCW	147	.72	.59	.64	.58	.64	.06
13RCW	155	.58	.59	.60	.60	.59	.01
13RCW	161	.59	.62	.58	.54	.58	.03
13RCW	175	.55	.60	.51	.59	.56	.04
13RCW3	140	.60	.66	.57	.59	.61	.04
13RCW5	143	.58	.63	.61	.61	.61	.02
13RCW6	147	.57	.58	.76	.58	.62	.09
13RCW2	155	.8	.6	.6	.8	.7	.1
13RCW7	161	.60	.63	.57	.63	.61	.03
13RCW9	175	.56	.52	.68	.61	.59	.07

[1]Point was not used to calculate average and standard deviation.

Table 73.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 14*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14RCA	143	1.12	1.14	1.15	1.07	1.12	0.04
14RCA	147	1.23	1.13	1.14	[1]1.60	1.17	.06
14RCA	150	1.074	1.056	1.069	1.063	1.066	.008
14RCA	157	1.09	1.12	1.06	1.07	1.08	.03
14RCA	163	1.16	1.21	1.24	1.25	1.21	.04
14RCA	175	1.2	1.3	1.2	1.4	1.3	.1
14RCA6	143	1.26	1.24	1.25	1.23	1.25	.02
14RCA4	147	1.25	1.25	1.29	1.26	1.26	.02
14RCA5	150	1.24	1.19	1.21	1.07	1.18	.08
14RCA8	157	1.16	1.19	1.15	1.17	1.17	.01
14RCA3	163	1.34	1.26	1.32	1.29	1.30	.04
14RCA0	175	1.35	1.43	1.44	1.37	1.40	.04
14RCM	143	.92	.90	.94	.75	.88	.09
14RCM	147	.85	.80	.90	.81	.84	.05
14RCM	150	.64	.83	.70	.75	.73	.08
14RCM	157	1.03	.91	1.04	.92	.98	.07
14RCM	163	1.01	.93	.92	.93	.95	.04
14RCM	175	1.10	1.09	1.06	1.09	1.08	.02
14RCM2	143	1.17	1.19	1.24	1.21	1.20	.03
14RCM5	147	1.09	1.23	1.21	1.13	1.17	.06
14RCM1	150	1.14	1.02	1.08	1.06	1.08	.05
14RCM7	157	1.12	1.18	1.16	1.20	1.17	.03
14RCM9	163	1.18	1.19	1.17	1.17	1.18	.01
14RCM6	175	1.24	1.35	1.30	1.34	1.31	.05
14RCW	143	1.16	1.10	1.13	1.13	1.13	.02
14RCW	147	1.04	1.03	1.04	.99	1.03	.03
14RCW	150	[1]1.42	1.22	1.13	1.26	1.21	.07
14RCW	157	1.14	[1]1.35	1.09	1.17	1.13	.04
14RCW	163	1.10	1.11	1.08	1.13	1.11	.02
14RCW	175	1.03	1.05	1.01	1.09	1.05	.03
14RCW7	143	1.125	1.144	1.129	1.135	1.133	.008
14RCW6	147	1.05	1.08	1.09	1.18	1.10	.06
14RCW9	150	1.14	1.18	1.14	1.20	1.16	.03
14RCW3	157	1.21	1.15	1.20	1.23	1.20	.04
14RCW8	163	1.125	1.136	1.12	1.134	1.129	.008
14RCW4	175	1.12	1.07	1.08	1.06	1.08	.03

[1]Point was not used to calculate average and standard deviation.

Table 74.--*Kjeldahl nitrogen concentration in unfiltered samples collected from station 15*

[Samples were not diluted prior to digestion. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15RCA	148	0.7	0.7	0.7	0.9	0.8	0.1
15RCA	150	.75	.76	.74	.78	.76	.02
15RCA	153	.48	.57	.60	.55	.55	.05
15RCA	157	.67	.70	.69	.67	.68	.01
15RCA	168	.67	.64	.60	.68	.65	.04
15RCA	181	.69	.64	.65	.62	.65	.03
15RCA4	148	.7	.7	.9	.7	.7	.1
15RCA5	150	.76	.72	.73	.73	.74	.02
15RCA0	153	.57	.60	.58	.55	.58	.02
15RCA7	157	.72	.65	.65	.65	.67	.04
15RCA3	168	.65	.65	.60	.65	.64	.02
15RCA8	181	.64	.63	.77	.64	.67	.07
15RCM	148	.72	.73	.70	.79	.74	.04
15RCM	150	.52	.58	.56	.52	.54	.03
15RCM	153	.68	.71	.68	.70	.69	.01
15RCM	157	.697	.690	.692	.693	.693	.003
15RCM	168	.77	.71	.72	.73	.73	.03
15RCM	181	.71	.69	.70	.70	.70	.01
15RCM5	148	.90	.74	.73	.78	.79	.07
15RCM1	150	.53	.53	.59	.60	.56	.04
15RCM6	153	.72	.72	.66	.71	.70	.03
15RCM0	157	.73	.69	.68	.68	.70	.02
15RCM9	168	.65	.71	.69	.64	.67	.04
15RCM7	181	.74	.68	.69	.70	.70	.03
15RCW	148	.78	.64	.70	.68	.70	.06
15RCW	150	.66	.71	.65	.72	.69	.03
15RCW	153	.72	.75	.67	.71	.71	.03
15RCW	157	.72	.70	.73	.72	.72	.01
15RCW	168	.72	.71	.68	.74	.71	.03
15RCW	181	.63	.66	.64	.67	.65	.02
15RCW6	148	.70	.67	.67	.69	.68	.01
15RCW9	150	.8	.7	.9	.8	.8	.1
15RCW4	153	.74	.77	.73	.75	.75	.02
15RCW0	157	.72	.69	.72	.70	.71	.02
15RCW8	168	.85	.72	.68	.78	.76	.08
15RCW3	181	.72	.70	.73	.67	.71	.03

Table 75.--*Ammonia concentration in filtered samples collected from station 1*

[All samples were diluted 1+1 prior to anlaysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01FCA	104	3.69	3.69	3.66	3.67	3.67	0.02
01FCA	105	3.69	3.59	3.58	3.66	3.61	.04
01FCA	109	3.69	3.61	3.59	3.65	3.61	.03
01FCA	114	3.69	3.51	3.50	3.49	3.50	.01
01FCA	125	3.69	3.53	3.53	3.50	3.52	.01
01FCA	139	3.59	3.59	3.66	3.64	3.62	.03
01FCA5	104	3.64	3.63	3.68	3.65	3.65	.02
01FCA1	105	3.59	3.59	3.60	3.58	3.59	.01
01FCA2	109	3.58	3.62	3.57	3.58	3.59	.02
01FCA9	114	3.51	3.52	3.53	3.52	3.52	.01
01FCA6	125	3.49	3.50	3.54	3.49	3.51	.02
01FCA4	139	3.59	3.62	3.60	3.60	3.60	.01
01FCM	104	3.52	3.52	3.50	3.52	3.51	.01
01FCM	105	3.54	3.51	3.51	3.50	3.51	.02
01FCM	109	3.43	3.39	3.34	3.36	3.38	.04
01FCM	114	3.49	3.45	3.46	3.46	3.46	.02
01FCM	125	3.55	[1]3.99	3.59	3.57	3.57	.02
01FCM	139	3.43	3.39	3.42	3.40	3.41	.02
01FCM0	104	3.51	3.50	3.49	3.49	3.50	.01
01FCM6	105	3.48	3.45	3.46	3.45	3.46	.01
01FCM7	109	3.29	3.39	3.37	3.32	3.34	.04
01FCM4	114	3.13	3.15	3.12	3.07	3.12	.03
01FCM5	125	3.40	3.54	3.55	3.73	3.55	.13
01FCM3	139	3.42	3.38	3.44	3.44	3.42	.03
01FCW	104	3.55	3.56	3.53	3.52	3.54	.02
01FCW	105	3.50	3.51	3.50	3.57	3.52	.03
01FCW	109	3.19	3.24	3.50	3.20	3.28	.15
01FCW	114	3.50	3.47	3.53	3.49	3.50	.03
01FCW	125	3.60	3.62	3.61	3.67	3.63	.03
01FCW	139	3.08	3.10	3.10	3.11	3.10	.01
01FCW3	104	3.53	3.55	3.54	3.57	3.55	.02
01FCW5	105	3.51	3.48	3.51	3.50	3.50	.02
01FCW8	109	3.22	3.18	3.23	3.21	3.21	.02
01FCW7	114	3.40	3.46	3.44	3.46	3.44	.03
01FCW0	125	3.61	3.52	3.60	3.60	3.58	.04
01FCW2	139	3.20	3.16	3.12	3.17	3.16	.03

[1]Point was not used to calculate average and standard deviation.

Table 76.--*Ammonia concentration in filtered samples collected from station 2*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
02FCA	109	1.60	1.67	1.59	1.59	1.61	0.04
02FCA	112	1.580	1.575	1.579	1.576	1.578	.002
02FCA	114	1.61	1.58	1.59	1.59	1.59	.01
02FCA	121	1.68	1.69	1.72	1.68	1.69	.02
02FCA	127	1.66	1.67	1.66	1.65	1.66	.01
02FCA	142	1.65	1.63	1.63	1.63	1.64	.01
02FCA0	109	1.59	1.59	1.59	1.62	1.60	.02
02FCA1	112	1.576	1.578	1.578	1.582	1.579	.003
02FCA8	114	1.58	1.56	1.57	1.57	1.57	.01
02FCA7	121	1.659	1.657	1.651	1.655	1.656	.003
02FCA3	127	1.64	1.66	1.65	1.64	1.65	.01
02FCA6	142	1.626	1.622	1.621	1.621	1.623	.002
02FCM	109	1.570	1.564	1.567	1.569	1.568	.003
02FCM	112	1.46	1.45	1.45	1.47	1.46	.01
02FCM	114	1.51	1.51	1.53	1.52	1.52	.01
02FCM	121	1.61	1.59	1.60	1.59	1.60	.01
02FCM	127	1.56	1.54	1.58	1.57	1.56	.02
02FCM	142	1.57	1.57	1.58	1.57	1.57	.01
02FCM8	109	1.59	1.58	1.58	1.56	1.58	.01
02FCM3	112	1.42	1.45	1.43	1.44	1.44	.01
02FCM0	114	1.51	1.50	1.52	1.52	1.51	.01
02FCM1	121	1.61	1.61	1.61	1.60	1.61	.01
02FCM7	127	1.569	1.573	1.579	1.575	1.574	.004
02FCM9	142	1.574	1.584	1.580	1.582	1.581	.003
02FCW	109	1.571	1.566	1.570	1.563	1.568	.004
02FCW	112	1.610	1.608	1.607	1.606	1.608	.002
02FCW	114	1.552	1.557	1.553	1.553	1.554	.002
02FCW	121	1.593	1.592	1.587	1.595	1.592	.003
02FCW	127	1.618	1.606	1.611	1.610	1.611	.005
02FCW	142	1.616	1.617	1.618	1.623	1.619	.003
02FCW3	109	1.54	1.55	1.54	1.55	1.55	.01
02FCW4	112	1.593	1.596	1.595	1.596	1.595	.001
02FCW1	114	1.55	1.55	1.54	1.54	1.54	.01
02FCW6	121	1.563	1.566	1.563	1.566	1.565	.002
02FCW0	127	1.60	1.59	1.59	1.59	1.59	.01
02FCW8	142	1.61	1.60	1.60	1.61	1.61	.01

Table 77.--*Ammonia concentration in filtered samples collected from station 3*

[All samples were diluted 1+1 prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03FCA	112	0.118	0.118	0.115	0.117	0.117	0.001
03FCA	115	.113	.113	.115	.115	.114	.001
03FCA	119	.12	.17	.12	.13	.13	.02
03FCA	127	.21	.13	.24	.13	.18	.06
03FCA	134	.14	.14	.17	.14	.15	.02
03FCA	148	.23	.13	.26	.14	.19	.06
03FCA4	112	.119	.121	.121	.121	.120	.001
03FCA2	115	.114	.119	.118	.121	.118	.003
03FCA9	119	.121	.124	.124	.130	.125	.004
03FCA7	127	.131	.136	.129	.127	.131	.004
03FCA3	134	.131	.130	.130	.133	.131	.002
03FCA0	148	.132	.129	.129	.129	.130	.001
03FCM	112	.116	.115	.109	.116	.114	.003
03FCM	115	.123	.126	.124	.124	.124	.001
03FCM	119	.120	.131	.119	.120	.122	.006
03FCM	127	.121	.118	.120	.121	.120	.001
03FCM	134	.125	.122	.123	.123	.123	.001
03FCM	148	.115	.114	.114	.116	.115	.001
03FCM0	112	.148	.135	.138	.129	.137	.008
03FCM9	115	.133	.133	.132	.125	.131	.004
03FCM1	119	.122	.123	.124	.124	.123	.001
03FCM8	127	.144	.136	.136	.136	.138	.004
03FCM2	134	.142	.140	.142	.139	.141	.002
03FCM4	148	.123	.123	.127	.121	.123	.003
03FCW	112	.116	.121	.118	.119	.119	.002
03FCW	115	.107	.106	.110	.110	.108	.002
03FCW	119	.098	.098	.097	.098	.098	.001
03FCW	127	.113	.112	.112	.112	.112	.000
03FCW	134	.109	.108	.106	.108	.108	.001
03FCW	148	.114	.115	.113	.114	.114	.001
03FCW7	112	.123	.124	.120	.123	.123	.002
03FCW5	115	.122	.116	.117	.118	.118	.003
03FCW9	119	.099	.108	.101	.099	.102	.004
03FCW8	127	.103	.107	.104	.103	.104	.002
03FCW2	134	.106	.110	.121	.108	.111	.007
03FCW0	148	.113	.108	.107	.110	.109	.002

Table 78.--*Ammonia concentration in filtered samples collected from station 4*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
04FCA	115	0.008	0.012	0.008	0.012	0.010	0.002
04FCA	118	.03	.00	.01	.01	.01	.01
04FCA	122	.07	.01	.03	.03	.03	.02
04FCA	128	.02	.00	.02	.00	.01	.01
04FCA	135	.01	.06	.05	.09	.05	.03
04FCA	149	.05	.04	.05	.01	.04	.02
04FCA4	115	.018	.017	.020	.016	.018	.002
04FCA9	118	.01	.02	.02	.01	.02	.01
04FCA7	122	.019	.022	.020	.020	.020	.001
04FCA2	128	.008	.011	.018	.009	.011	.004
04FCA3	135	.02	.02	.03	.03	.03	.01
04FCA5	149	.016	.020	.021	.024	.020	.003
04FCM	115	.024	.022	.020	.027	.023	.003
04FCM	118	.027	.026	.028	.026	.027	.001
04FCM	122	.024	.024	.028	.024	.025	.002
04FCM	128	.027	.028	.026	.026	.027	.001
04FCM	135	.033	.029	.029	.031	.031	.002
04FCM	149	.03	.03	.04	.03	.03	.01
04FCM7	115	.040	.039	.037	.039	.039	.001
04FCM1	118	.049	.050	.057	.048	.051	.004
04FCM3	122	.035	.032	.032	.032	.033	.002
04FCM9	128	.03	.04	.04	.03	.04	.01
04FCM2	135	.040	.036	.035	.043	.038	.004
04FCM5	149	.043	.044	.050	.048	.046	.003
04FCW	115	.01	.01	.03	.01	.02	.01
04FCW	118	.00	.00	.01	-.01	.00	.01
04FCW	122	.01	.02	.01	.01	.01	.01
04FCW	128	.008	.009	.011	.010	.009	.001
04FCW	135	.006	.007	.009	.007	.007	.001
04FCW	149	.011	.014	.011	.011	.012	.001
04FCW5	115	.032	.029	.030	.029	.030	.002
04FCW8	118	.004	.001	.001	.000	.001	.002
04FCW6	122	.007	.014	.008	.008	.009	.003
04FCW7	128	.017	.025	.027	.022	.023	.004
04FCW2	135	.03	.04	.05	.04	.04	.01
04FCW9	149	.035	.043	.035	.033	.036	.004

Table 79.--*Ammonia concentration in filtered samples collected from station 5*

[All samples diluted 1+3 prior to anlaysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation ; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]05FCA	--	--	--	--	--	--	--
05FCA6	119	5.59	5.61	5.55	5.61	5.59	0.03
05FCA9	122	5.76	5.74	5.73	5.70	5.73	.03
05FCA0	127	5.83	5.80	5.90	5.81	5.83	.04
05FCA7	133	5.60	5.58	5.58	5.62	5.60	.02
05FCA4	141	5.78	5.84	5.88	5.79	5.82	.05
05FCA1	155	5.69	5.68	5.69	5.73	5.70	.02
05FCM	119	5.3	5.4	5.3	5.1	5.3	.1
05FCM	122	5.57	5.58	5.63	5.54	5.58	.04
05FCM	127	5.46	5.49	5.49	5.51	5.49	.02
05FCM	133	5.30	5.40	5.41	5.30	5.35	.06
05FCM	141	5.25	5.25	5.33	5.24	5.27	.04
05FCM	155	5.48	5.43	5.44	5.41	5.44	.03
05FCM9	119	5.48	5.54	5.46	5.45	5.48	.04
05FCM5	122	5.66	5.68	5.66	5.53	5.63	.07
05FCM8	127	5.40	5.48	5.58	5.58	5.51	.09
05FCM1	133	5.44	5.39	5.43	5.45	5.43	.02
05FCM4	141	5.33	5.31	5.29	5.15	5.27	.08
05FCM3	155	5.56	5.41	5.55	5.54	5.52	.07
[1]05FCW	--	--	--	--	--	--	--
05FCW1	119	5.40	5.39	5.41	5.45	5.41	.03
05FCW5	122	5.82	5.72	5.81	5.79	5.79	.04
05FCW8	127	5.72	5.69	5.72	5.60	5.68	.06
05FCW6	133	5.60	5.69	5.66	5.67	5.66	.04
05FCW7	141	5.7	5.7	5.6	5.5	5.6	.1
05FCW2	155	5.7	5.5	5.6	5.6	5.6	.1

[1]Only 1 liter of the acid-preserved and water-control samples was collected. No large-bottle data exist for these treatments.

Table 80.--*Ammonia concentration in unfiltered samples collected from station 6*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
06RCA	118	0.269	0.265	0.268	0.260	0.266	0.004
06RCA	119	.272	.270	.270	.271	.271	.001
06RCA	121	.27	.27	.28	.29	.28	.01
06RCA	128	.32	.39	.29	.31	.33	.04
06RCA	139	.29	.34	.31	.29	.31	.02
06RCA	153	[1].438	.299	.303	.303	.302	.001
06RCA6	118	.275	.273	.274	.274	.274	.001
06RCA3	119	.271	.273	.272	.270	.271	.001
06RCA9	121	.282	.278	.279	.282	.280	.002
06RCA5	128	.310	.309	.306	.313	.309	.003
06RCA8	139	.300	.300	.301	.302	.301	.001
06RCA1	153	.301	.304	.299	.299	.301	.003
06RCM	118	.286	.284	.287	.283	.285	.002
06RCM	119	.277	.275	.278	.279	.277	.001
06RCM	121	.277	.277	.277	.276	.277	.001
06RCM	128	.286	.287	.283	.281	.284	.003
06RCM	139	.262	.26	.268	.262	.263	.004
06RCM	153	.30	.29	.28	.29	.29	.01
06RCM0	118	.287	.289	.298	.296	.292	.005
06RCM2	119	.292	.289	.289	.289	.290	.001
06RCM1	121	.282	.284	.289	.283	.284	.003
06RCM5	128	.286	.289	.290	.287	.288	.002
06RCM8	139	.270	.271	.276	.274	.273	.002
06RCM6	153	.309	.299	.307	.306	.305	.005
06RCW	118	.279	.282	.279	.279	.280	.002
06RCW	119	.268	.268	.269	.268	.268	.001
06RCW	121	.280	.280	.277	.280	.279	.001
06RCW	128	.282	.283	.281	.281	.282	.001
06RCW	139	.249	.251	.255	.246	.250	.004
06RCW	153	.269	.270	.270	.269	.269	.001
06RCW4	118	.282	.284	.283	.281	.282	.001
06RCW6	119	.273	.272	.275	.272	.273	.001
06RCW8	121	.289	.285	.290	.285	.287	.003
06RCW2	128	.298	.295	.295	.297	.296	.001
06RCW7	139	.27	.26	.26	.26	.26	.01
06RCW3	153	.288	.286	.287	.292	.288	.002

[1]Point was not used to calculate average and standard deviation.

Table 81.--*Ammonia concentration in filtered samples collected from station 7*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07FCA	122	0.01	0.02	0.03	0.02	0.02	0.01
07FCA	125	-.010	-.010	-.010	-.010	-.010	.001
07FCA	129	.07	.04	.02	.10	.06	.04
07FCA	134	.06	.06	.03	.03	.05	.02
07FCA	142	.03	.03	.03	.03	.03	.00
07FCA	156	.13	.07	.04	.02	.07	.05
07FCA7	122	.013	.016	.013	.014	.014	.002
07FCA6	125	.01	.01	-.01	.00	.00	.01
07FCA9	129	.027	.026	.025	.025	.026	.001
07FCA8	134	.026	.026	.024	.027	.026	.001
07FCA1	142	.044	.041	.040	.043	.042	.002
07FCA4	156	.028	.019	.022	.021	.023	.004
07FCM	122	.015	.017	.014	.015	.015	.001
07FCM	125	.045	.047	.038	.043	.043	.004
07FCM	129	.027	.028	.028	.027	.027	.001
07FCM	134	.026	.027	.031	.026	.028	.002
07FCM	142	.023	.020	.022	.024	.022	.001
07FCM	156	.031	.030	.030	.029	.030	.001
07FCM7	122	.04	.02	.02	.02	.03	.01
07FCM1	125	.05	.06	.04	.06	.05	.01
07FCM5	129	.025	.021	.024	.024	.024	.002
07FCM4	134	.029	.034	.028	.026	.029	.003
07FCM9	142	.017	.017	.017	.015	.016	.001
07FCM0	156	.025	.018	.018	.019	.020	.003
07FCW	122	.011	.012	.008	.012	.010	.002
07FCW	125	.037	.034	.042	.037	.038	.003
07FCW	129	.012	.014	.013	.011	.012	.001
07FCW	134	.020	.021	.016	.019	.019	.002
07FCW	142	.050	.052	.051	.051	.051	.001
07FCW	156	.046	.042	.048	.049	.046	.003
07FCW3	122	.02	.01	.02	.01	.01	.01
07FCW6	125	.034	.042	.035	.034	.036	.004
07FCW5	129	.013	.012	.011	.013	.012	.001
07FCW7	134	.056	.057	.052	.051	.054	.003
07FCW1	142	.075	.076	.079	.079	.077	.002
07FCW4	156	.12	.06	.06	.06	.07	.03

Table 82.--*Ammonia concentration in filtered samples collected from station 8*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08FCA	126	0.03	0.03	0.03	0.06	0.04	0.01
08FCA	129	.039	.038	.038	.041	.039	.002
08FCA	133	.053	.050	.049	.051	.051	.002
08FCA	141	.041	.041	.041	.040	.041	.000
08FCA	148	.046	.038	.044	.038	.041	.004
08FCA	162	.038	.040	.035	.036	.037	.002
08FCA3	126	.06	.08	.10	.09	.08	.02
08FCA1	129	.057	.059	.055	.061	.058	.003
08FCA5	133	.065	.067	.066	.072	.068	.003
08FCA4	141	.066	.065	.071	.063	.066	.003
08FCA2	148	.063	.072	.067	.075	.069	.005
08FCA7	162	.058	.059	.058	.066	.060	.004
08FCM	126	.043	.048	.051	.045	.047	.004
08FCM	129	.047	.057	.050	.050	.051	.004
08FCM	133	.046	.042	.044	.050	.045	.004
08FCM	141	.039	.040	.038	.040	.039	.001
08FCM	148	.041	.043	.041	.044	.042	.001
08FCM	162	.048	.048	.051	.050	.049	.002
08FCM6	126	.058	.056	.064	.057	.059	.004
08FCM8	129	.063	.066	.063	.068	.065	.002
08FCM9	133	.056	.059	.057	.056	.057	.001
08FCM1	141	.057	.060	.060	.056	.058	.002
08FCM2	148	.056	.055	.053	.054	.055	.001
08FCM5	162	.061	.066	.065	.059	.062	.003
08FCW	126	.04	.04	.02	.00	.03	.02
08FCW	129	.040	.041	.040	.039	.040	.001
08FCW	133	.033	.032	.031	.032	.032	.001
08FCW	141	.027	.027	.027	.029	.027	.001
08FCW	148	.035	.035	.035	.036	.035	.000
08FCW	162	.039	.039	.040	.040	.039	.000
08FCW0	126	.074	.069	.070	.071	.071	.002
08FCW8	129	.058	.060	.061	.058	.059	.001
08FCW1	133	.055	.054	.057	.074	.060	.009
08FCW6	141	.047	.049	.045	.052	.048	.003
08FCW9	148	.046	.047	.048	.047	.047	.001
08FCW5	162	.059	.053	.051	.052	.054	.004

Table 83.--*Ammonia concentration in filtered samples collected from station 9*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09FCA	125	0.01	0.03	0.01	0.01	0.01	0.01
09FCA	126	.00	.01	.05	.00	.01	.02
09FCA	128	-.01	.02	-.01	.04	.01	.02
09FCA	135	.10	.00	.00	.01	.03	.05
09FCA	147	.013	.006	.011	.011	.010	.003
09FCA	161	.07	.06	.06	.11	.07	.02
09FCA7	125	.034	.041	.033	.041	.037	.004
09FCA3	126	.033	.031	.043	.027	.033	.007
09FCA1	128	.040	.043	.032	.030	.036	.006
09FCA5	135	.040	.034	.034	.043	.037	.004
09FCA4	147	-.007	.002	-.003	-.004	-.003	.004
09FCA6	161	.050	.048	.042	.060	.050	.008
09FCM	125	-.01	.01	.02	.02	.01	.01
09FCM	126	.01	.06	.05	.06	.05	.02
09FCM	128	.05	-.01	.00	.06	.02	.03
09FCM	135	.05	.00	.00	.00	.01	.02
09FCM	147	.010	.013	.008	.005	.009	.003
09FCM	161	.041	.040	.043	.040	.041	.001
09FCM5	125	.03	.01	.02	.05	.03	.02
09FCM6	126	.053	.056	.051	.053	.053	.002
09FCM8	128	.041	.049	.046	.054	.048	.006
09FCM9	135	.047	.047	.052	.041	.047	.004
09FCM1	147	.045	.034	.030	.034	.035	.007
09FCM3	161	.047	.053	.043	.044	.047	.004
09FCW	125	.00	.04	.01	.01	.01	.02
09FCW	126	.05	.00	.01	.00	.02	.03
09FCW	128	.01	.01	.07	.04	.03	.03
09FCW	135	.00	.00	.00	.06	.02	.03
09FCW	147	.007	.001	.010	.003	.005	.004
09FCW	161	.054	.053	.057	.050	.054	.003
09FCW5	125	.062	[1].14	.056	.073	.064	.009
09FCW0	126	.057	.063	.054	.055	.057	.004
09FCW8	128	.075	.072	.066	.062	.069	.006
09FCW1	135	.053	.048	.055	.053	.052	.003
09FCW6	147	-.01	.00	-.01	.03	.00	.02
09FCW2	161	.043	.048	.047	.043	.045	.002

[1]Point was not used to calculate average and standard deviation.

Table 84.--*Ammonia concentration in filtered samples collected from station 10*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10FCA	129	-0.003	-0.002	-0.004	-0.003	-0.003	0.001
10FCA	132	.003	.001	.001	.002	.002	.001
10FCA	135	-.004	-.002	-.003	-.003	-.003	.001
10FCA	142	.007	.005	.006	.007	.006	.001
10FCA	149	-.007	-.005	-.004	-.002	-.005	.002
10FCA	163	-.001	-.002	.004	.001	.001	.002
10FCA8	129	.006	.005	.009	.025	.011	.009
10FCA4	132	.015	.027	.014	.018	.018	.006
10FCA9	135	.009	.007	.007	.008	.008	.001
10FCA2	142	.021	.020	.019	.017	.019	.002
10FCA0	149	.009	.008	.014	.006	.009	.004
10FCA1	163	.014	.012	.016	.025	.017	.006
10FCM	129	.006	.009	.007	.008	.008	.001
10FCM	132	.014	.008	.008	.007	.009	.003
10FCM	135	.01	.01	.03	.01	.01	.01
10FCM	142	.002	.000	.003	.002	.002	.001
10FCM	149	.006	.010	.009	.005	.007	.002
10FCM	163	.001	.007	-.001	-.001	.002	.004
10FCM8	129	.024	.014	.015	.016	.017	.005
10FCM7	132	.016	.017	.025	.019	.019	.004
10FCM1	135	.014	.014	.013	.020	.015	.003
10FCM9	142	.012	.008	.009	.016	.011	.004
10FCM4	149	.022	.022	.025	.033	.025	.005
10FCM6	163	.019	.012	.011	.012	.013	.004
10FCW	129	.003	.004	.003	.003	.003	.000
10FCW	132	-.001	.000	.001	.000	.000	.001
10FCW	135	.005	.007	.007	.007	.006	.001
10FCW	142	.003	.002	.004	.004	.003	.001
10FCW	149	.004	.005	.004	.005	.004	.000
10FCW	163	-.002	.003	-.002	-.003	-.001	.003
10FCW4	129	.021	.018	.014	.012	.016	.004
10FCW7	132	.017	.009	.011	.010	.012	.004
10FCW9	135	.012	.013	.011	.014	.012	.001
10FCW5	142	.022	.027	.021	.023	.023	.003
10FCW0	149	.017	.017	.017	.018	.017	.000
10FCW1	163	.014	.005	.012	.008	.010	.004

Table 85.--*Ammonia concentration in filtered samples collected from station 11*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11FCA	133	0.020	0.017	0.020	0.024	0.021	0.003
11FCA	136	--	--	--	--	--	--
11FCA	140	.010	.010	.010	.023	.013	.007
11FCA	148	.004	.005	.008	.012	.007	.003
11FCA	155	.015	-.002	.010	-.004	.005	.009
11FCA	168	.02	.01	-.01	.00	.00	.01
11FCA6	133	.033	.029	.027	.028	.029	.003
11FCA0	136	--	--	--	--	--	--
11FCA9	140	.018	.020	.014	.013	.016	.003
11FCA9	140	.018	.020	.014	.013	.016	.003
11FCA1	148	.006	.006	.008	.019	.010	.006
11FCA5	155	.005	.005	-.003	.000	.002	.004
11FCA8	168	.006	-.001	-.002	.000	.001	.003
11FCM	133	.015	.016	.013	.013	.014	.001
11FCM	136	-.004	.005	.006	.002	.002	.005
11FCM	140	.018	.020	.018	.018	.018	.001
11FCM	148	.009	.009	.009	.009	.009	.000
11FCM	155	.005	.005	.006	.007	.006	.001
11FCM	168	.013	.008	.004	.011	.009	.004
11FCM9	133	.019	.020	.026	.020	.021	.003
11FCM8	136	.007	.001	.002	.004	.003	.003
11FCM5	140	.030	.028	.024	.024	.026	.003
11FCM3	148	.015	.016	.022	.014	.017	.003
11FCM6	155	.010	.015	.018	.009	.013	.004
11FCM0	168	.023	.016	.022	.017	.019	.004
11FCW	133	.017	.013	.013	.018	.015	.002
11FCW	136	.023	.020	.023	.023	.022	.001
11FCW	140	.018	.019	.018	.018	.018	.001
11FCW	148	.019	.023	.021	.018	.020	.002
11FCW	155	.020	.019	.014	.018	.018	.003
11FCW	168	.007	.012	.008	.010	.009	.002
11FCW1	133	.023	.026	.033	.026	.027	.004
11FCW8	136	.025	.042	.023	.031	.031	.009
11FCW5	140	.022	.028	.026	.024	.025	.002
11FCW2	148	.023	.022	.028	.023	.024	.003
11FCW0	155	.020	.019	.020	.024	.021	.002
11FCW4	168	.013	.018	.014	.020	.016	.003

Table 86.--*Ammonia concentration in filtered samples collected from station 12*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12FCA	136	--	--	--	--	--	--
12FCA	139	0.086	0.076	0.074	0.078	0 .079	0.005
12FCA	143	.079	.082	.082	.080	.080	.002
12FCA	149	.073	.074	.068	.072	.072	.003
12FCA	156	.080	.096	.082	.081	.085	.007
12FCA	170	.08	.08	.09	.11	.09	.01
12FCA0	136	--	--	--	--	--	--
12FCA7	139	.078	.078	.075	.076	.077	.001
12FCA3	143	.083	.082	.083	.083	.083	.001
12FCA9	149	.076	.081	.075	.073	.076	.003
12FCA4	156	.088	.088	.088	.089	.088	.001
12FCA5	170	.096	.091	.090	.092	.092	.003
12FCM	136	.066	.067	.066	.073	.068	.004
12FCM	139	.070	.076	.070	.077	.073	.004
12FCM	143	.069	.070	.070	.071	.070	.001
12FCM	149	.076	.073	.074	.072	.074	.001
12FCM	156	.072	.072	.072	.088	.076	.008
12FCM	170	.068	.069	.069	.070	.069	.001
12FCM4	136	.073	.073	.072	.071	.072	.001
12FCM3	139	.074	.073	.072	.078	.074	.002
12FCM2	143	.072	.074	.072	.075	.073	.002
12FCM5	149	.080	.076	.077	.076	.077	.002
12FCM7	156	.073	.074	.071	.072	.073	.001
12FCM1	170	.074	.074	.074	.076	.075	.001
12FCW	136	.073	.075	.073	.077	.075	.002
12FCW	139	.073	.067	.064	.069	.068	.004
12FCW	143	.074	.075	.076	.075	.075	.001
12FCW	149	.064	.068	.065	.068	.066	.002
12FCW	156	.046	.049	.045	.047	.047	.002
12FCW	170	.072	.069	.071	.070	.070	.001
12FCW1	136	.077	.077	.078	.079	.078	.001
12FCW6	139	.069	.072	.071	.071	.071	.001
12FCW2	143	.082	.080	.081	.081	.081	.001
12FCW9	149	.076	.076	.077	.072	.075	.002
12FCW5	156	.101	.070	.103	.061	.084	.021
12FCW8	170	.064	.069	.060	.068	.065	.004

Table 87.--*Ammonia concentration in filtered samples collected from station 13*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13FCA	140	0.015	0.018	0.014	0.016	0.016	0.002
13FCA	143	.014	.017	.018	.015	.016	.002
13FCA	147	.014	.014	.014	.012	.013	.001
13FCA	155	.003	.003	.012	.004	.005	.005
13FCA	161	.015	.021	.013	.014	.016	.004
13FCA	175	.009	.007	.008	.007	.008	.001
13FCA0	140	.022	.019	.019	.019	.020	.001
13FCA8	143	.027	.026	.027	.026	.026	.001
13FCA7	147	.018	.021	.018	.021	.020	.002
13FCA2	155	.005	.008	.018	.011	.011	.005
13FCA1	161	.027	.021	.019	.019	.021	.004
13FCA5	175	.020	.018	.020	.022	.020	.001
13FCM	140	.046	.047	.046	.046	.046	.001
13FCM	143	.046	.047	.045	.044	.045	.001
13FCM	147	.034	.035	.035	.040	.036	.003
13FCM	155	.042	.040	.041	.042	.041	.001
13FCM	161	.041	.042	.046	.042	.043	.002
13FCM	175	.045	.046	.046	.044	.045	.001
13FCM0	140	.029	.029	.028	.027	.028	.001
13FCM4	143	.027	.031	.026	.025	.027	.002
13FCM5	147	.025	.024	.023	.024	.024	.001
13FCM2	155	.013	.015	.013	.020	.015	.003
13FCM8	161	.022	.019	.020	.026	.022	.003
13FCM9	175	.024	.024	.024	.029	.025	.002
13FCW	140	.020	.019	.025	.019	.021	.003
13FCW	143	.023	.022	.023	.023	.023	.001
13FCW	147	.017	.017	.020	.018	.018	.001
13FCW	155	.008	.008	.009	.007	.008	.001
13FCW	161	.019	.018	.021	.019	.019	.001
13FCW	175	.016	.017	.019	.021	.018	.002
13FCW4	140	.027	.026	.028	.032	.028	.002
13FCW7	143	.032	.031	.032	.031	.032	.000
13FCW5	147	.026	.026	.024	.023	.024	.001
13FCW9	155	.004	.005	.014	.008	.008	.005
13FCW8	161	.015	.013	.023	.014	.016	.004
13FCW1	175	.006	.006	.013	.007	.008	.004

Table 88.--*Ammonia concentration in filtered samples collected from station 14*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14FCA	143	0.085	0.085	0.086	0.089	0.086	0.002
14FCA	147	.082	.087	.094	.086	.087	.005
14FCA	150	.089	.092	.089	.093	.090	.002
14FCA	157	.09	.09	.10	.15	.11	.03
14FCA	163	.092	.099	.096	.102	.097	.004
14FCA	175	.09	.08	.09	.15	.10	.03
14FCA4	143	.091	.092	.101	.090	.093	.005
14FCA3	147	.089	.090	.089	.095	.091	.003
14FCA0	150	.093	.093	.096	.094	.094	.002
14FCA8	157	.098	.098	.102	.099	.099	.002
14FCA5	163	.094	.095	.097	.097	.096	.001
14FCA1	175	.096	.095	.097	.096	.096	.001
14FCM	143	.084	.083	.084	.082	.083	.001
14FCM	147	.077	.079	.077	.082	.079	.002
14FCM	150	.085	.085	.084	.085	.085	.000
14FCM	157	.086	.088	.085	.091	.087	.002
14FCM	163	.080	.081	.081	.079	.080	.001
14FCM	175	.087	.084	.085	.095	.088	.005
14FCM5	143	.086	.086	.091	.085	.087	.002
14FCM9	147	.083	.082	.081	.086	.083	.002
14FCM6	150	.086	.087	.085	.087	.086	.001
14FCM7	157	.091	.088	.092	.096	.092	.003
14FCM1	163	.086	.083	.087	.086	.085	.002
14FCM8	175	.086	.088	.090	.085	.087	.002
14FCW	143	.085	.084	.085	.086	.085	.001
14FCW	147	.081	.083	.080	.079	.081	.002
14FCW	150	.083	.084	.082	.083	.083	.001
14FCW	157	.075	.073	.074	.074	.074	.001
14FCW	163	.058	.060	.059	.058	.059	.001
14FCW	175	.060	.062	.063	.064	.062	.002
14FCW6	143	.093	.097	.089	.101	.095	.005
14FCW3	147	.094	.086	.085	.089	.088	.004
14FCW4	150	.086	.085	.088	.086	.086	.001
14FCW8	157	.097	.105	.096	.103	.100	.004
14FCW9	163	.089	.085	.085	.086	.086	.002
14FCW5	175	.060	.059	.056	.060	.059	.002

Table 89.--*Ammonia concentration in filtered samples collected from station 15*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15FCA	148	0.107	0.107	0.124	0.110	0.112	0.008
15FCA	150	.123	.116	.117	.115	.118	.004
15FCA	153	.110	.110	.122	.122	.116	.007
15FCA	157	.128	.127	.125	.117	.124	.005
15FCA	168	.118	.123	.121	.116	.119	.003
15FCA	181	.14	.12	.16	.14	.14	.02
15FCA5	148	.111	.111	.117	.126	.116	.007
15FCA9	150	.118	.118	.124	.117	.119	.003
15FCA1	153	.118	.114	.120	.117	.117	.003
15FCA6	157	.130	.129	.127	.127	.128	.001
15FCA0	168	.116	.115	.115	.116	.115	.001
15FCA4	181	.132	.123	.128	.122	.126	.005
15FCM	148	.110	.111	.110	.108	.110	.001
15FCM	150	.112	.113	.114	.111	.112	.001
15FCM	153	.119	.115	.118	.116	.117	.002
15FCM	157	.115	.111	.112	.113	.113	.002
15FCM	168	.111	.112	.119	.117	.115	.004
15FCM	181	.122	.131	.137	.136	.131	.007
15FCM4	150	.116	.113	.110	.118	.115	.004
15FCM8	153	.116	.119	.132	.116	.121	.008
15FCM2	157	.116	.114	.112	.114	.114	.001
15FCM6	168	.117	.120	.120	.118	.119	.001
15FCM5	181	.124	.124	.127	.129	.126	.002
15FCW	148	.112	.115	.111	.112	.113	.002
15FCW	150	.117	.116	.116	.116	.116	.000
15FCW	153	.110	.115	.112	.110	.112	.002
15FCW	157	.120	.116	.116	.115	.117	.003
15FCW	168	.085	.088	.085	.087	.086	.002
15FCW	181	.019	.018	.017	.012	.017	.003
15FCW9	148	.114	.124	.116	.116	.117	.004
15FCW2	150	.121	.121	.128	.123	.123	.003
15FCW5	153	.115	.112	.114	.119	.115	.003
15FCW7	157	.119	.118	.125	.115	.119	.004
15FCW4	168	.120	.110	.112	.112	.113	.004
15FCW6	181	.071	.075	.066	.070	.071	.004

Table 90.--*Nitrate plus nitrite concentration in filtered samples collected from station 1*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01FCA	104	3.75	3.74	3.70	3.79	3.75	0.04
01FCA	105	3.58	3.61	3.60	3.62	3.60	.02
01FCA	109	3.57	3.56	3.60	3.43	3.54	.07
01FCA	114	3.47	3.44	3.47	3.44	3.45	.02
01FCA	125	3.59	3.52	3.54	3.54	3.55	.03
01FCA	139	3.63	3.64	3.67	3.65	3.65	.02
01FCA5	104	3.70	3.73	3.78	3.73	3.74	.03
01FCA1	105	3.57	3.58	3.61	3.60	3.59	.02
01FCA2	109	3.57	3.57	3.56	3.61	3.58	.03
01FCA9	114	3.45	3.40	3.44	3.44	3.43	.02
01FCA6	125	3.54	3.58	3.57	3.53	3.56	.02
01FCA4	139	3.64	3.63	3.61	3.61	3.62	.02
01FCM7	109	3.62	3.56	3.55	3.61	3.58	.04
01FCM4	114	3.47	3.52	3.49	3.49	3.49	.02
01FCM5	125	3.52	3.53	3.57	3.57	3.55	.02
01FCM3	139	3.45	3.46	3.47	3.48	3.47	.01
01FCW	104	3.50	3.57	3.54	3.53	3.54	.03
01FCW	105	3.40	3.56	3.61	3.58	3.54	.09
01FCW	109	3.56	3.57	3.42	3.58	3.53	.08
01FCW	114	3.48	3.50	3.46	3.48	3.48	.02
01FCW	125	3.57	3.63	3.57	3.59	3.59	.03
01FCW	139	3.65	3.66	3.63	3.61	3.64	.03
01FCW3	104	3.6	3.5	3.3	3.3	3.4	.1
01FCW5	105	3.60	3.55	3.60	3.54	3.57	.03
01FCW8	109	3.55	3.56	3.56	3.61	3.57	.03
01FCW7	114	3.45	3.46	3.48	3.46	3.46	.01
01FCW0	125	3.56	3.56	3.60	3.62	3.58	.03
01FCW2	139	3.50	3.49	3.47	3.50	3.49	.02

Table 91.--*Nitrate plus nitrite concentration in filtered samples collected from station 2*

[All samples were diluted 1+1 prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
02FCA	109	7.97	7.78	7.98	7.92	7.91	0.09
02FCA	112	7.72	7.73	7.79	7.78	7.76	.03
02FCA	114	7.59	7.68	7.71	7.59	7.64	.06
02FCA	121	8.0	8.2	8.0	8.0	8.1	.1
02FCA	127	7.85	7.75	7.88	7.94	7.85	.08
02FCA	142	7.76	7.63	7.70	7.74	7.71	.06
02FCA0	109	8.02	8.00	7.87	7.97	7.97	.07
02FCA1	112	7.9	7.7	7.8	7.6	7.7	.2
02FCA8	114	7.66	7.64	7.59	7.74	7.66	.06
02FCA7	121	8.06	8.04	8.09	8.08	8.07	.03
02FCA3	127	7.92	7.85	7.80	7.95	7.88	.07
02FCA6	142	7.65	7.72	7.58	7.60	7.64	.07
02FCM	109	7.73	7.78	7.73	7.70	7.73	.03
02FCM	112	7.76	7.64	7.63	7.69	7.68	.06
02FCM	114	7.55	7.62	7.55	7.66	7.60	.05
02FCM	121	7.79	7.87	7.80	7.83	7.82	.03
02FCM	127	7.93	7.99	8.05	8.04	8.00	.06
02FCM	142	8.02	7.89	8.05	8.02	8.00	.07
02FCM8	109	7.6	7.7	7.4	7.6	7.6	.1
02FCM3	112	7.7	7.5	7.6	7.7	7.6	.1
02FCM0	114	7.50	7.70	7.57	7.59	7.59	.08
02FCM1	121	7.74	7.76	7.76	7.58	7.71	.09
02FCM7	127	7.7	7.9	8.0	7.8	7.8	.1
02FCM9	142	7.9	7.8	8.1	7.9	7.9	.1
02FCW	109	7.75	7.71	7.68	7.82	7.74	.06
02FCW	112	7.90	8.01	7.98	7.93	7.96	.05
02FCW	114	7.81	7.77	7.88	7.90	7.84	.06
02FCW	121	7.8	7.7	7.9	7.9	7.8	.1
02FCW	127	8.0	8.1	7.8	8.0	8.0	.2
02FCW	142	7.96	7.89	7.97	8.02	7.96	.05
02FCW3	109	7.56	7.59	7.73	7.61	7.62	.07
02FCW4	112	7.8	8.1	8.0	8.0	8.0	.1
02FCW1	114	7.84	7.73	7.67	7.82	7.77	.08
02FCW6	121	7.82	7.81	7.83	7.94	7.85	.06
02FCW0	127	7.8	7.5	7.8	8.0	7.8	.2
02FCW8	142	8.01	8.04	7.95	8.02	8.01	.04

Table 92.--*Nitrate plus nitrite concentration in filtered samples collected from station 3*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03FCA	112	2.08	2.10	2.12	2.09	2.10	0.02
03FCA	115	1.99	2.03	1.98	1.99	2.00	.03
03FCA	119	2.107	2.121	2.108	2.103	2.110	.008
03FCA	127	2.12	2.12	2.12	2.10	2.12	.01
03FCA	134	2.13	2.09	2.10	2.14	2.11	.02
03FCA	148	2.059	2.061	2.059	2.051	2.058	.004
03FCA4	112	2.00	2.11	2.02	2.12	2.06	.06
03FCA2	115	2.00	1.89	2.00	2.01	1.98	.06
03FCA9	119	2.11	2.09	2.14	2.13	2.12	.02
03FCA7	127	2.10	2.10	2.13	2.10	2.11	.02
03FCA3	134	2.09	2.09	2.13	2.11	2.10	.02
03FCA0	148	2.061	2.053	2.061	2.054	2.057	.004
03FCM	112	2.000	2.005	2.011	1.998	2.004	.006
03FCM	115	2.00	1.97	1.98	2.00	1.99	.02
03FCM	119	2.03	2.05	2.03	2.06	2.04	.02
03FCM	127	2.06	2.06	1.94	2.10	2.04	.07
03FCM	134	2.04	2.01	2.01	2.02	2.02	.01
03FCM	148	2.09	2.05	2.06	2.09	2.07	.02
03FCM0	112	2.00	2.00	2.01	2.02	2.01	.01
03FCM9	115	2.00	2.03	1.99	2.00	2.01	.02
03FCM1	119	2.04	2.04	2.07	2.02	2.04	.02
03FCM8	127	2.11	2.11	2.08	2.08	2.10	.02
03FCM2	134	2.01	2.00	2.02	2.02	2.01	.01
03FCM4	148	2.07	2.08	2.04	2.06	2.06	.02
03FCW	112	2.09	2.12	2.08	2.10	2.10	.02
03FCW	115	2.02	2.02	2.04	2.00	2.02	.02
03FCW	119	2.02	2.03	2.03	2.01	2.02	.01
03FCW	127	2.07	2.03	2.03	2.03	2.04	.02
03FCW	134	2.05	2.05	2.04	2.05	2.05	.01
03FCW	148	2.06	2.08	2.07	2.05	2.06	.01
03FCW7	112	2.08	2.09	2.12	2.08	2.09	.02
03FCW5	115	2.01	1.94	2.02	2.02	2.00	.04
03FCW9	119	2.02	2.02	2.02	2.04	2.02	.01
03FCW8	127	2.11	2.04	2.03	2.00	2.05	.05
03FCW2	134	2.02	2.06	2.03	2.05	2.04	.02
03FCW0	148	2.06	2.07	2.07	2.06	2.07	.01

Table 93.--*Nitrate plus nitrite concentration in filtered samples collected from station 4*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
04FCA	115	0.158	0.154	0.151	0.153	0.154	0.003
04FCA	118	.152	.149	.152	.154	.152	.002
04FCA	122	.157	.155	.158	.159	.157	.002
04FCA	128	.144	.147	.142	.141	.144	.003
04FCA	135	.163	.168	.172	.170	.168	.004
04FCA	149	.117	.115	.117	.116	.116	.001
04FCA4	115	.158	.149	.153	.150	.153	.004
04FCA9	118	.148	.151	.164	.144	.152	.009
04FCA7	122	.164	.154	.157	.160	.159	.004
04FCA2	128	.14	.16	.17	.15	.16	.01
04FCA3	135	.165	.172	.167	.179	.171	.006
04FCA5	149	.12	.12	.12	.14	.12	.01
04FCM	115	.149	.150	.154	.150	.151	.002
04FCM	118	.149	.150	.154	.151	.151	.002
04FCM	122	.154	.156	.156	.157	.156	.001
04FCM	128	.147	.156	.159	.159	.155	.006
04FCM	135	.158	.152	.154	.156	.155	.003
04FCM	149	.17	.17	.23	.17	.19	.03
04FCM7	115	.162	.158	.158	.160	.160	.002
04FCM1	118	.16	.162	.175	.163	.165	.007
04FCM3	122	.164	.167	.173	.162	.167	.005
04FCM9	128	.166	.176	.169	.164	.169	.005
04FCM2	135	.163	.157	.155	.168	.161	.006
04FCM5	149	.174	.173	.186	.173	.177	.006
04FCW	115	.162	.159	.171	.163	.164	.005
04FCW	118	.142	.143	.146	.145	.144	.002
04FCW	122	.122	.12	.122	.121	.121	.001
04FCW	128	.106	.105	.108	.107	.107	.001
04FCW	135	.114	.116	.116	.122	.117	.003
04FCW	149	.081	.084	.082	.078	.081	.002
04FCW5	115	.168	.166	.171	.161	.167	.004
04FCW8	118	.168	.16	.164	.163	.164	.003
04FCW6	122	.148	.153	.145	.153	.150	.004
04FCW7	128	.133	.146	.135	.128	.136	.008
04FCW2	135	.139	.144	.153	.143	.145	.006
04FCW9	149	.100	.113	.105	.097	.104	.007

Table 94.--*Nitrate plus nitrite concentration in filtered samples collected from station 5*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]05FCA	--	--	--	--	--	--	--
05FCA6	119	2.86	3.00	2.97	3.06	2.97	0.08
05FCA9	122	3.08	3.06	3.06	3.09	3.07	.02
05FCA0	127	3.12	3.09	3.08	3.12	3.10	.02
05FCA7	133	2.97	3.00	3.02	2.98	2.99	.02
05FCA4	141	3.07	3.04	3.04	3.05	3.05	.02
05FCA1	155	3.09	3.08	3.07	3.06	3.08	.01
05FCM	119	3.14	3.20	3.16	3.14	3.16	.03
05FCM	122	3.26	3.28	3.29	3.31	3.29	.02
05FCM	127	3.29	3.29	3.25	3.29	3.28	.02
05FCM	133	3.25	3.22	3.22	3.16	3.21	.04
05FCM	141	3.21	3.25	3.22	3.26	3.23	.02
05FCM	155	3.25	3.26	3.24	3.25	3.25	.01
05FCM9	119	3.19	3.12	3.15	3.15	3.15	.03
05FCM5	122	3.25	3.22	3.31	3.29	3.27	.04
05FCM8	127	3.27	3.29	3.30	3.30	3.29	.02
05FCM1	133	3.24	3.25	3.19	3.18	3.22	.04
05FCM4	141	3.16	3.20	3.21	3.15	3.18	.03
05FCM3	155	3.249	3.244	3.241	3.255	3.247	.006
[1]05FCW	--	--	--	--	--	--	--
05FCW1	119	3.18	3.11	3.18	3.11	3.15	.04
05FCW5	122	3.24	3.28	3.30	3.24	3.26	.03
05FCW8	127	3.29	3.25	3.22	3.28	3.26	.03
05FCW6	133	3.24	3.20	3.20	3.26	3.23	.03
05FCW7	141	3.21	3.22	3.23	3.20	3.21	.01
05FCW2	155	3.267	3.267	3.257	3.267	3.265	.005

[1]Only 1 liter of the acid-preserved and water-control samples was collected. No large-bottle data exist for these treatments.

Table 95.--*Nitrate plus nitrite concentration in unfiltered samples collected from station 6*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
06RCA	118	0.059	0.058	0.057	0.053	0.057	0.003
06RCA	119	.069	.063	.072	.064	.067	.004
06RCA	121	.059	.061	.061	.060	.060	.001
06RCA	128	.051	.046	.047	.048	.048	.002
06RCA	139	.070	.067	.071	.070	.070	.002
06RCA	153	.088	.088	.089	.088	.088	.001
06RCA6	118	.064	.067	.069	.070	.068	.003
06RCA3	119	.072	.083	.069	.072	.074	.006
06RCA9	121	.078	.066	.065	.073	.071	.006
06RCA5	128	.053	.065	.050	.052	.055	.007
06RCA8	139	.077	.075	.077	.086	.079	.005
06RCA1	153	.095	.101	.090	.091	.094	.005
06RCM	118	.069	.070	.068	.069	.069	.001
06RCM	119	.065	.061	.065	.066	.064	.002
06RCM	121	.083	.072	.101	.062	.080	.017
06RCM	128	.088	.092	.090	.093	.091	.002
06RCM	139	.103	.103	.102	.102	.103	.001
06RCM	153	.120	.119	.12	.121	.120	.001
06RCM0	118	.068	.076	.069	.073	.072	.004
06RCM2	119	.072	.068	.068	.068	.069	.002
06RCM1	121	.083	.090	.102	.087	.091	.008
06RCM5	128	.089	.097	.093	.093	.093	.003
06RCM8	139	.104	.102	.114	.104	.106	.005
06RCM6	153	.120	.121	.133	.119	.123	.007
06RCW	118	.072	.069	.071	.069	.070	.001
06RCW	119	.074	.067	.071	.070	.071	.003
06RCW	121	.089	.094	.089	.092	.091	.002
06RCW	128	.086	.084	.084	.083	.084	.001
06RCW	139	.080	.081	.082	.080	.081	.001
06RCW	153	.082	.081	.079	.082	.081	.001
06RCW4	118	.078	.074	.074	.071	.074	.003
06RCW6	119	.070	.080	.075	.070	.074	.005
06RCW8	121	.094	.088	.094	.094	.093	.003
06RCW2	128	.089	.085	.083	.085	.086	.003
06RCW7	139	.092	.081	.081	.086	.085	.005
06RCW3	153	.087	.081	.084	.095	.087	.006

Table 96.--*Nitrate plus nitrite concentration in filtered samples collected from station 7*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07FCA	122	1.28	1.29	1.31	1.28	1.29	0.02
07FCA	125	1.275	1.267	1.257	1.263	1.265	.008
07FCA	129	1.27	1.28	1.27	1.25	1.27	.01
07FCA	134	1.28	1.28	1.29	1.31	1.29	.01
07FCA	142	1.205	1.205	1.198	1.216	1.206	.007
07FCA	156	1.305	1.305	1.307	1.307	1.306	.001
07FCA7	122	1.261	1.283	1.276	1.275	1.274	.009
07FCA6	125	1.29	1.26	1.27	1.26	1.27	.02
07FCA9	129	1.264	1.262	1.272	1.254	1.263	.007
07FCA8	134	1.29	1.27	1.27	1.29	1.28	.01
07FCA1	142	1.191	1.181	1.191	1.199	1.191	.007
07FCA4	156	1.301	1.289	1.295	1.293	1.295	.005
07FCM	122	1.29	1.31	1.30	1.29	1.30	.01
07FCM	125	1.30	1.27	1.28	1.29	1.29	.01
07FCM	129	1.298	1.283	1.281	1.291	1.288	.008
07FCM	134	1.27	1.24	1.25	1.27	1.26	.01
07FCM	142	1.30	1.28	1.30	1.28	1.29	.01
07FCM	156	1.315	1.312	1.3	1.301	1.307	.008
07FCM7	122	1.270	1.254	1.272	1.269	1.266	.008
07FCM1	125	1.25	1.26	1.17	1.27	1.24	.04
07FCM5	129	1.24	1.25	1.27	1.25	1.25	.01
07FCM4	134	1.21	1.21	1.24	1.21	1.22	.02
07FCM9	142	1.258	1.243	1.256	1.245	1.251	.008
07FCM0	156	1.277	1.27	1.272	1.275	1.274	.003
07FCW	122	1.26	1.28	1.25	1.26	1.26	.01
07FCW	125	1.22	1.23	1.25	1.22	1.23	.01
07FCW	129	1.29	1.31	1.28	1.29	1.29	.01
07FCW	134	1.27	1.29	1.27	1.26	1.27	.01
07FCW	142	1.237	1.239	1.241	1.248	1.241	.005
07FCW	156	1.270	1.270	1.266	1.272	1.270	.003
07FCW3	122	1.27	1.26	1.24	1.23	1.25	.02
07FCW6	125	1.205	1.22	1.21	1.223	1.215	.008
07FCW5	129	1.256	1.264	1.251	1.249	1.255	.007
07FCW7	134	1.219	1.209	1.217	1.206	1.213	.006
07FCW1	142	1.209	1.192	1.198	1.191	1.198	.008
07FCW4	156	1.226	1.222	1.221	1.219	1.222	.003

Table 97.--*Nitrate plus nitrite concentration in filtered samples collected from station 8*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08FCA	126	0.021	0.022	0.023	0.021	0.022	0.001
08FCA	129	.018	.020	.017	.018	.018	.001
08FCA	133	.037	.036	.038	.036	.037	.001
08FCA	141	.028	.029	.028	.029	.029	.001
08FCA	148	.029	.029	.032	.029	.030	.001
08FCA	162	.000	.000	.001	.000	.000	.001
08FCA3	126	.035	.034	.049	.037	.039	.007
08FCA1	129	.026	.036	.027	.030	.030	.004
08FCA5	133	.043	.043	.053	.048	.047	.005
08FCA4	141	.041	.042	.051	.040	.044	.005
08FCA2	148	.038	.043	.050	.046	.044	.005
08FCA7	162	.010	.014	.010	.026	.015	.008
08FCM	126	.035	.029	.032	.032	.032	.002
08FCM	129	.042	.041	.038	.045	.042	.003
08FCM	133	.048	.043	.045	.048	.046	.002
08FCM	141	.010	.009	.010	.008	.009	.001
08FCM	148	.031	.032	.031	.035	.032	.002
08FCM	162	.021	.020	.019	.020	.020	.001
08FCM6	126	.040	.040	.054	.038	.043	.007
08FCM8	129	.052	.050	.049	.053	.051	.002
08FCM9	133	.049	.052	.059	.050	.053	.005
08FCM1	141	.025	.024	.035	.019	.026	.007
08FCM2	148	.039	.038	.046	.039	.041	.004
08FCM5	162	.030	.044	.028	.032	.034	.007
08FCW	126	.013	.015	.011	.013	.013	.002
08FCW	129	.032	.031	.031	.029	.031	.001
08FCW	133	.031	.031	.034	.032	.032	.001
08FCW	141	.033	.032	.032	.034	.033	.001
08FCW	148	.041	.042	.041	.042	.042	.001
08FCW	162	.023	.022	.022	.022	.022	.000
08FCW0	126	.036	.026	.027	.030	.030	.004
08FCW8	129	.040	.047	.043	.041	.043	.003
08FCW1	133	.050	.041	.040	.044	.044	.004
08FCW6	141	.043	.047	.044	.056	.048	.006
08FCW9	148	.051	.056	.052	.050	.052	.003
08FCW5	162	.048	.036	.033	.034	.038	.007

Table 98.--*Nitrate plus nitrite concentration in filtered samples collected from station 9*

[All samples were diluted 1+14 prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09FCA	125	56.5	56.5	56.9	55.6	56.4	0.5
09FCA	126	56.4	56.3	56.6	55.6	56.2	.5
09FCA	128	55.8	56.3	56.1	55.3	55.9	.4
09FCA	135	55.6	56.4	56.6	57.0	56.4	.6
09FCA	147	54.6	55.6	54.7	55.2	55.0	.5
09FCA	161	53.1	52.8	52.8	54.2	53.2	.6
09FCA7	125	56.0	57.0	56.6	56.7	56.6	.4
09FCA3	126	56.6	56.9	55.9	56.0	56.3	.5
09FCA1	128	54.9	55.3	55.9	56.4	55.6	.7
09FCA5	135	55.9	56.1	57.1	56.9	56.5	.6
09FCA4	147	57.0	55.6	55.2	55.8	55.9	.8
09FCA6	161	53.2	53.2	52.9	52.9	53.0	.2
09FCM	125	55	54	57	57	56	1
09FCM	126	56.9	57.9	56.8	55.7	56.8	.9
09FCM	128	57.0	56.0	56.5	56.5	56.5	.4
09FCM	135	52.9	54.9	54.2	54.3	54.1	.8
09FCM	147	55.5	56.4	55.9	57.0	56.2	.6
09FCM	161	55.6	55.7	55.8	55.5	55.6	.1
09FCM5	125	56.4	56.3	55.9	56.2	56.2	.2
09FCM6	126	56	58	56	58	57	1
09FCM8	128	56.7	55.7	57.0	55.3	56.2	.8
09FCM9	135	55	49	54	54	53	3
09FCM1	147	57	56	57	55	56	1
09FCM3	161	56.2	56.1	56.2	56.4	56.2	.2
09FCW	125	56.0	57.4	57.9	57.4	57.2	.8
09FCW	126	56.2	55.3	56.2	55.5	55.8	.5
09FCW	128	54.9	54.8	56.3	55.1	55.3	.7
09FCW	135	55.1	54.4	54.7	54.4	54.6	.3
09FCW	147	56.7	57.7	57.7	57.5	57.4	.5
09FCW	161	54.2	54.2	54.3	53.9	54.1	.1
09FCW5	125	56.6	56.8	57.4	56.7	56.9	.4
09FCW0	126	56.0	55.4	55.1	54.9	55.3	.5
09FCW8	128	55.9	54.7	55.2	54.8	55.1	.6
09FCW1	135	55.3	54.0	55.2	54.5	54.8	.6
09FCW6	147	57.4	57.7	55.8	57.2	57.0	.8
09FCW2	161	55.4	54.2	53.6	54.7	54.5	.8

Table 99.--*Nitrate plus nitrite concentration in filtered samples collected from station 10*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10FCA	129	2.49	2.50	2.41	2.51	2.48	0.04
10FCA	132	2.45	2.43	2.41	2.41	2.43	.02
10FCA	135	2.47	2.50	2.51	2.50	2.49	.02
10FCA	142	2.44	2.42	2.42	2.46	2.43	.02
10FCA	149	2.535	2.526	2.536	2.532	2.532	.005
10FCA	163	2.494	2.507	2.5	2.5	2.5	.005
10FCA8	129	2.47	2.47	2.51	2.43	2.47	.03
10FCA4	132	2.40	2.46	2.42	2.42	2.42	.03
10FCA9	135	2.50	2.47	2.50	2.49	2.49	.02
10FCA2	142	2.41	2.45	2.42	2.43	2.43	.02
10FCA0	149	2.51	2.52	2.54	2.48	2.51	.02
10FCA1	163	2.485	2.487	2.489	2.483	2.486	.003
10FCM	129	2.408	2.426	2.41	2.422	2.417	.009
10FCM	132	2.41	2.37	2.38	2.36	2.38	.02
10FCM	135	2.36	2.34	2.40	2.35	2.36	.03
10FCM	142	2.43	2.46	2.44	2.39	2.43	.03
10FCM	149	2.52	2.41	2.54	2.52	2.50	.06
10FCM	163	2.429	2.424	2.422	2.431	2.427	.004
10FCM8	129	2.34	2.40	2.45	2.41	2.40	.04
10FCM7	132	2.39	2.38	2.39	2.37	2.38	.01
10FCM1	135	2.38	2.33	2.36	2.35	2.36	.02
10FCM9	142	2.44	2.45	2.41	2.46	2.44	.02
10FCM4	149	2.41	2.50	2.50	2.46	2.47	.05
10FCM6	163	2.425	2.423	2.421	2.413	2.421	.005
10FCW	129	2.46	2.46	2.44	2.44	2.45	.01
10FCW	132	2.44	2.43	2.41	2.40	2.42	.02
10FCW	135	2.36	2.35	2.37	2.34	2.35	.01
10FCW	142	2.42	2.41	2.44	2.44	2.43	.01
10FCW	149	2.41	2.38	2.35	2.37	2.38	.03
10FCW	163	2.45	2.47	2.46	2.46	2.46	.01
10FCW4	129	2.42	2.47	2.42	2.43	2.44	.02
10FCW7	132	2.37	2.39	2.43	2.41	2.40	.02
10FCW9	135	2.34	2.41	2.38	2.35	2.37	.03
10FCW5	142	2.42	2.38	2.40	2.44	2.41	.03
10FCW0	149	2.34	2.37	2.34	2.41	2.36	.03
10FCW1	163	2.43	2.445	2.445	2.44	2.44	.007

Table 100.--*Nitrate plus nitrite concentration in filtered samples collected from station 11*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11FCA	133	3.78	3.82	3.83	3.84	3.82	0.03
11FCA	136	--	--	--	--	--	--
11FCA	140	3.89	3.89	3.96	3.96	3.93	.03
11FCA	148	3.88	3.89	3.86	3.90	3.88	.02
11FCA	155	3.938	3.933	3.92	3.922	3.928	.009
11FCA	168	3.934	3.932	3.919	3.918	3.926	.008
11FCA6	133	3.78	3.83	3.83	3.82	3.81	.03
11FCA0	136	--	--	--	--	--	--
11FCA9	140	3.90	3.90	3.97	3.91	3.92	.03
11FCA1	148	3.86	3.84	3.89	3.85	3.86	.02
11FCA5	155	3.91	3.93	3.92	3.91	3.92	.01
11FCA8	168	3.911	3.911	3.922	3.929	3.918	.009
11FCM	133	3.80	3.79	3.85	3.83	3.82	.03
11FCM	136	3.79	3.88	3.82	3.82	3.83	.04
11FCM	140	3.77	3.79	3.77	3.85	3.80	.04
11FCM	148	3.92	3.93	3.91	3.92	3.92	.01
11FCM	155	3.854	3.856	3.863	3.848	3.855	.006
11FCM	168	3.835	3.831	3.832	3.842	3.835	.005
11FCM9	133	3.80	3.84	3.78	3.83	3.81	.03
11FCM8	136	3.86	3.88	3.81	3.85	3.85	.03
11FCM5	140	3.79	3.78	3.85	3.80	3.80	.03
11FCM3	148	3.89	3.91	3.88	3.91	3.90	.01
11FCM6	155	3.84	3.87	3.86	3.86	3.86	.01
11FCM0	168	3.833	3.832	3.819	3.837	3.83	.008
11FCW	133	3.88	3.82	3.80	3.89	3.85	.05
11FCW	136	3.93	3.95	3.96	3.94	3.94	.01
11FCW	140	3.91	3.86	3.91	3.85	3.88	.03
11FCW	148	3.93	3.97	3.98	3.99	3.97	.03
11FCW	155	3.92	3.91	3.90	3.90	3.91	.01
11FCW	168	3.841	3.840	3.852	3.842	3.844	.006
11FCW1	133	3.81	3.84	3.80	3.86	3.83	.03
11FCW8	136	3.84	3.96	3.93	3.94	3.92	.05
11FCW5	140	3.83	3.82	3.88	3.85	3.85	.03
11FCW2	148	3.90	3.95	3.89	3.96	3.93	.03
11FCW0	155	3.90	3.90	3.88	3.91	3.90	.01
11FCW4	168	3.833	3.824	3.837	3.82	3.829	.008

Table 101.--*Nitrate plus nitrite concentration in filtered samples collected from station 12*

[All samples were diluted 1+1 prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12FCA	136	--	--	--	--	--	--
12FCA	139	9.29	9.23	9.11	9.19	9.20	0.08
12FCA	143	8.66	8.74	8.62	8.52	8.63	.09
12FCA	149	8.552	8.539	8.536	8.555	8.546	.009
12FCA	156	8.72	8.76	8.80	8.72	8.75	.04
12FCA	170	8.70	8.66	8.66	8.66	8.67	.02
12FCA0	136	--	--	--	--	--	--
12FCA7	139	9.19	9.08	9.15	9.07	9.12	.05
12FCA3	143	8.64	8.75	8.83	8.72	8.73	.08
12FCA9	149	8.57	8.60	8.59	8.58	8.59	.01
12FCA4	156	8.76	8.76	8.74	8.74	8.75	.01
12FCA5	170	8.66	8.69	8.66	8.67	8.67	.01
12FCM	136	8.43	8.30	8.33	8.31	8.34	.06
12FCM	139	8.70	8.81	8.62	8.60	8.68	.10
12FCM	143	9.11	9.11	9.17	8.80	9.05	.17
12FCM	149	9.11	9.05	9.12	9.02	9.08	.05
12FCM	156	8.69	8.71	8.75	8.70	8.71	.03
12FCM	170	8.78	8.74	8.71	8.77	8.75	.03
12FCM4	136	8.52	8.44	8.41	8.39	8.44	.06
12FCM3	139	8.2	8.6	8.7	8.6	8.5	.2
12FCM2	143	9.2	9.1	8.9	8.9	9.0	.2
12FCM5	149	9.1	9.0	8.8	9.2	9.0	.2
12FCM7	156	8.57	8.71	8.66	8.75	8.67	.08
12FCM1	170	8.71	8.60	8.78	8.79	8.72	.09
12FCW	136	8.85	8.86	8.97	8.82	8.88	.07
12FCW	139	8.60	8.71	8.74	8.57	8.66	.08
12FCW	143	8.9	8.6	8.8	8.9	8.8	.1
12FCW	149	8.5	8.5	8.2	8.2	8.3	.2
12FCW	156	9.00	9.00	8.95	9.00	8.99	.02
12FCW	170	8.68	8.66	8.78	8.65	8.69	.06
12FCW1	136	8.7	8.9	8.9	9.0	8.9	.1
12FCW6	139	8.74	8.63	8.73	8.64	8.68	.06
12FCW2	143	8.9	8.9	8.9	8.7	8.9	.1
12FCW9	149	8.3	8.3	8.5	8.6	8.4	.1
12FCW5	156	9.0	8.8	9.0	9.0	9.0	.1
12FCW8	170	8.69	8.63	8.50	8.68	8.63	.09

Table 102.--*Nitrate plus nitrite concentration in filtered samples collected from station 13*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13FCA	140	0.265	0.264	0.266	0.268	0.266	0.002
13FCA	143	.272	.269	.271	.270	.271	.001
13FCA	147	.299	.299	.298	.296	.298	.001
13FCA	155	.322	.318	.321	.321	.321	.002
13FCA	161	.300	.298	.298	.296	.298	.002
13FCA	175	.316	.319	.317	.317	.317	.001
13FCA0	140	.277	.289	.273	.273	.278	.008
13FCA8	143	.277	.277	.279	.285	.280	.004
13FCA7	147	.319	.314	.319	.316	.317	.002
13FCA2	155	.324	.327	.338	.327	.329	.006
13FCA1	161	.315	.306	.304	.301	.307	.006
13FCA5	175	.325	.324	.327	.338	.329	.006
13FCM	140	.325	.324	.324	.323	.324	.001
13FCM	143	.337	.332	.328	.331	.332	.004
13FCM	147	.325	.322	.324	.320	.323	.002
13FCM	155	.328	.325	.326	.328	.327	.001
13FCM	161	.318	.319	.319	.318	.319	.001
13FCM	175	.328	.327	.328	.33	.328	.001
13FCM0	140	.326	.324	.327	.321	.325	.003
13FCM4	143	.331	.338	.333	.331	.333	.003
13FCM5	147	.323	.329	.322	.324	.325	.003
13FCM2	155	.329	.330	.327	.341	.332	.006
13FCM8	161	.325	.323	.323	.335	.327	.006
13FCM9	175	.328	.331	.332	.343	.334	.007
13FCW	140	.317	.312	.320	.316	.316	.003
13FCW	143	.303	.306	.309	.303	.305	.003
13FCW	147	.315	.311	.306	.314	.312	.004
13FCW	155	.329	.331	.331	.330	.330	.001
13FCW	161	.327	.328	.329	.326	.328	.001
13FCW	175	.324	.327	.327	.331	.327	.003
13FCW4	140	.317	.313	.310	.318	.315	.004
13FCW7	143	.305	.309	.304	.304	.306	.002
13FCW5	147	.321	.314	.312	.315	.316	.004
13FCW9	155	.333	.333	.343	.334	.336	.005
13FCW8	161	.335	.331	.344	.333	.336	.006
13FCW1	175	.330	.327	.343	.332	.333	.007

Table 103.--*Nitrate plus nitrite concentration in filtered samples collected from station 14*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14FCA	143	1.07	1.06	1.08	1.09	1.08	0.02
14FCA	147	1.121	1.124	1.129	1.125	1.125	.003
14FCA	150	.963	.959	.958	.965	.961	.003
14FCA	157	1.13	1.14	1.14	1.17	1.14	.02
14FCA	163	1.181	1.187	1.182	1.179	1.182	.003
14FCA	175	1.159	1.158	1.164	1.162	1.161	.003
14FCA4	143	1.07	1.08	1.09	1.10	1.09	.01
14FCA3	147	1.127	1.122	1.124	1.140	1.128	.008
14FCA0	150	.98	.97	1.00	.95	.97	.02
14FCA8	157	1.137	1.130	1.150	1.142	1.140	.008
14FCA5	163	1.183	1.180	1.185	1.182	1.183	.002
14FCA1	175	1.154	1.162	1.160	1.157	1.158	.003
14FCM	143	1.15	1.13	1.10	1.16	1.13	.02
14FCM	147	1.14	1.15	1.17	1.16	1.15	.01
14FCM	150	1.161	1.155	1.166	1.153	1.159	.006
14FCM	157	1.151	1.153	1.151	1.157	1.153	.003
14FCM	163	1.165	1.164	1.16	1.159	1.162	.003
14FCM	175	1.171	1.169	1.166	1.169	1.169	.002
14FCM5	143	1.14	1.14	1.16	1.14	1.15	.01
14FCM9	147	1.17	1.13	1.16	1.16	1.15	.02
14FCM6	150	1.15	1.18	1.16	1.15	1.16	.02
14FCM7	157	1.156	1.166	1.160	1.156	1.160	.005
14FCM1	163	1.162	1.158	1.157	1.157	1.159	.002
14FCM8	175	1.163	1.164	1.166	1.165	1.165	.001
14FCW	143	1.114	1.113	1.111	1.115	1.113	.002
14FCW	147	1.12	1.12	1.14	1.13	1.13	.01
14FCW	150	1.04	1.03	1.02	1.05	1.04	.01
14FCW	157	1.136	1.134	1.131	1.132	1.133	.002
14FCW	163	1.183	1.179	1.179	1.177	1.180	.003
14FCW	175	1.166	1.167	1.165	1.163	1.165	.002
14FCW6	143	1.11	1.13	1.12	1.10	1.12	.01
14FCW3	147	1.14	1.11	1.11	1.14	1.12	.02
14FCW4	150	1.00	1.00	.99	1.01	1.00	.01
14FCW8	157	1.136	1.154	1.139	1.143	1.143	.008
14FCW9	163	1.181	1.184	1.180	1.183	1.182	.002
14FCW5	175	1.165	1.161	1.165	1.166	1.164	.002

Table 104.--*Nitrate plus nitrite concentration in filtered samples collected from station 15*

[Samples were not diluted prior to analysis. Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15FCA	148	0.061	0.060	0.061	0.060	0.061	0.001
15FCA	150	.143	.143	.143	.144	.143	.000
15FCA	153	.086	.087	.086	.086	.086	.000
15FCA	157	.065	.063	.065	.063	.064	.001
15FCA	168	.050	.047	.047	.048	.048	.001
15FCA	181	.064	.065	.061	.063	.063	.002
15FCA5	148	.061	.059	.065	.080	.066	.009
15FCA9	150	.143	.144	.148	.145	.145	.002
15FCA1	153	.087	.087	.087	.092	.088	.003
15FCA6	157	.067	.069	.078	.071	.071	.005
15FCA0	168	.053	.06	.056	.067	.059	.006
15FCA4	181	.085	.069	.072	.067	.073	.008
15FCM	148	.074	.074	.075	.074	.074	.000
15FCM	150	.114	.114	.116	.114	.115	.001
15FCM	153	.093	.093	.096	.093	.094	.001
15FCM	157	.061	.056	.058	.056	.058	.002
15FCM	168	.060	.060	.060	.061	.060	.001
15FCM	181	.069	.064	.066	.068	.067	.002
15FCM4	150	.112	.116	.113	.113	.114	.002
15FCM8	153	.096	.091	.092	.092	.093	.002
15FCM2	157	.059	.060	.069	.063	.063	.004
15FCM6	168	.074	.067	.063	.064	.067	.005
15FCM5	181	.076	.074	.069	.086	.076	.007
15FCW	148	.077	.080	.080	.078	.079	.001
15FCW	150	.072	.073	.073	.072	.073	.001
15FCW	153	.068	.070	.068	.071	.069	.001
15FCW	157	.077	.076	.076	.078	.077	.001
15FCW	168	.066	.067	.065	.065	.066	.001
15FCW	181	.066	.066	.066	.065	.066	.001
15FCW9	148	.080	.095	.081	.086	.086	.007
15FCW2	150	.078	.077	.085	.074	.079	.005
15FCW5	153	.071	.069	.071	.075	.072	.003
15FCW7	157	.089	.081	.085	.080	.084	.004
15FCW4	168	.074	.083	.069	.073	.075	.006
15FCW6	181	.072	.083	.072	.067	.074	.007

Table 105.--*Nitrite concentration in filtered samples collected from station 1*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
01FCA	104	0.375	0.380	0.378	0.374	0.377	0.003
01FCA	105	.332	.328	.329	.333	.331	.002
01FCA	109	.296	.289	.294	.296	.294	.003
01FCA	114	.251	.248	.253	.252	.251	.002
01FCA	125	.213	.213	.213	.212	.213	.000
01FCA	139	.210	.211	.209	.208	.210	.001
01FCA5	104	.357	.357	.361	.357	.358	.002
01FCA1	105	.313	.319	.314	.320	.317	.004
01FCA2	109	.292	.294	.289	.301	.294	.005
01FCA9	114	.231	.235	.231	.230	.232	.002
01FCA6	125	.216	.213	.218	.216	.216	.002
01FCA4	139	.209	.210	.207	.213	.210	.003
01FCM	104	.382	.383	.385	.383	.383	.001
01FCM	105	.378	.377	.376	.377	.377	.001
01FCM	109	.378	.378	.377	.377	.378	.001
01FCM	114	.381	.381	.382	.381	.381	.000
01FCM	125	.397	.396	.395	.396	.396	.001
01FCM	139	.413	.398	.391	.393	.399	.010
01FCM0	104	.383	.387	.381	.382	.383	.003
01FCM6	105	.376	.383	.375	.377	.378	.004
01FCM7	109	.376	.376	.376	.374	.376	.001
01FCM4	114	.380	.379	.377	.379	.379	.001
01FCM5	125	.392	.395	.394	.393	.394	.001
01FCM3	139	.388	.387	.386	.386	.387	.001
01FCW	104	.390	.389	.390	.390	.390	.000
01FCW	105	.392	.392	.392	.394	.393	.001
01FCW	109	.395	.394	.394	.393	.394	.001
01FCW	114	.389	.387	.387	.387	.388	.001
01FCW	125	.351	.354	.352	.349	.352	.002
01FCW	139	.010	.009	.008	.012	.010	.002
01FCW3	104	.388	.388	.388	.385	.387	.001
01FCW5	105	.390	.389	.387	.389	.389	.001
01FCW8	109	.388	.391	.393	.391	.391	.002
01FCW7	114	.382	.385	.384	.384	.384	.001
01FCW0	125	.383	.379	.415	.385	.391	.017
01FCW2	139	.381	.383	.388	.381	.383	.003

Table 106.--*Nitrite concentration in filtered samples collected from station 2*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
02FCA	109	0.75	0.72	0.75	0.75	0.74	0.01
02FCA	112	.613	.622	.613	.629	.619	.008
02FCA	114	.535	.548	.540	.541	.541	.005
02FCA	121	.447	.448	.452	.447	.449	.002
02FCA	127	.373	.368	.371	.370	.371	.002
02FCA	142	.268	.266	.268	.268	.268	.001
02FCA0	109	.72	.75	.74	.73	.73	.01
02FCA1	112	.587	.594	.601	.593	.594	.006
02FCA8	114	.573	.571	.572	.568	.571	.002
02FCA7	121	.495	.484	.486	.489	.489	.005
02FCA3	127	.374	.381	.370	.370	.374	.005
02FCA6	142	.244	.245	.245	.247	.245	.001
02FCM	109	.924	.926	.925	.928	.926	.002
02FCM	112	.851	.851	.845	.842	.847	.005
02FCM	114	.849	.847	.846	.849	.848	.001
02FCM	121	.927	.923	.925	.922	.924	.002
02FCM	127	.920	.923	.931	.928	.926	.005
02FCM	142	.912	.914	.909	.910	.911	.002
02FCM8	109	.925	.926	.927	.917	.924	.005
02FCM3	112	.845	.844	.845	.847	.845	.001
02FCM0	114	.827	.832	.837	.838	.834	.005
02FCM1	121	.915	.920	.914	.918	.917	.003
02FCM7	127	.907	.910	.909	.913	.910	.002
02FCM9	142	.900	.899	.900	.903	.901	.002
02FCW	109	.873	.872	.876	.874	.874	.002
02FCW	112	.868	.866	.865	.867	.867	.001
02FCW	114	.853	.852	.858	.853	.854	.003
02FCW	121	.897	.900	.904	.902	.901	.003
02FCW	127	.908	.908	.909	.911	.909	.001
02FCW	142	.932	.921	.924	.922	.925	.005
02FCW3	109	.875	.876	.867	.875	.873	.004
02FCW4	112	.882	.881	.870	.870	.876	.007
02FCW1	114	.854	.856	.854	.848	.853	.003
02FCW6	121	.910	.907	.913	.909	.910	.002
02FCW0	127	.915	.915	.913	.918	.915	.002
02FCW8	142	.931	.930	.925	.931	.929	.003

Table 107.--*Nitrite concentration in filtered samples collected from station 3*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
03FCA	112	0.021	0.022	0.017	0.021	0.020	0.002
03FCA	115	.006	.006	.006	.007	.006	.001
03FCA	119	.001	.002	.001	.002	.002	.001
03FCA	127	.005	.005	.004	.004	.005	.001
03FCA	134	.003	.005	.004	.009	.005	.003
03FCA	148	.001	.001	.003	.000	.001	.001
03FCA4	112	.018	.021	.020	.019	.020	.001
03FCA2	115	.007	.008	.008	.008	.008	.001
03FCA9	119	.002	.002	.003	.003	.003	.001
03FCA7	127	.004	.004	.004	.004	.004	.000
03FCA3	134	.003	.004	.004	.004	.004	.000
03FCA0	148	.005	.006	.004	.002	.004	.002
03FCM	112	.024	.029	.025	.026	.026	.002
03FCM	115	.022	.022	.022	.022	.022	.000
03FCM	119	.024	.024	.025	.024	.024	.000
03FCM	127	.029	.029	.028	.029	.029	.001
03FCM	134	.030	.030	.031	.031	.031	.001
03FCM	148	.024	.024	.025	.025	.025	.001
03FCM0	112	.028	.029	.029	.031	.029	.001
03FCM9	115	.022	.022	.022	.022	.022	.000
03FCM1	119	.023	.023	.024	.024	.024	.001
03FCM8	127	.028	.029	.028	.029	.029	.001
03FCM2	134	.031	.031	.030	.030	.031	.001
03FCM4	148	.025	.025	.025	.026	.025	.000
03FCW	112	.028	.028	.028	.027	.028	.001
03FCW	115	.025	.025	.025	.025	.025	.000
03FCW	119	.025	.025	.025	.025	.025	.000
03FCW	127	.030	.030	.030	.030	.030	.000
03FCW	134	.026	.025	.025	.026	.026	.001
03FCW	148	.026	.025	.024	.024	.025	.001
03FCW7	112	.028	.028	.028	.028	.028	.000
03FCW5	115	.026	.025	.025	.024	.025	.001
03FCW9	119	.025	.025	.024	.025	.025	.001
03FCW8	127	.030	.030	.030	.031	.030	.000
03FCW2	134	.025	.028	.027	.025	.026	.001
03FCW0	148	.026	.025	.024	.025	.025	.001

Table 108.--*Nitrite concentration in filtered samples collected from station 4*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
04FCA	115	0.003	0.003	0.001	0.002	0.002	0.001
04FCA	118	.001	.002	.001	.008	.003	.003
04FCA	122	.003	.002	.004	.003	.003	.001
04FCA	128	.002	.002	.002	.001	.002	.001
04FCA	135	.006	.005	.012	.004	.007	.004
04FCA	149	.005	.004	.004	.004	.004	.000
04FCA4	115	.028	.028	.028	.027	.028	.001
04FCA9	118	.024	.020	.017	.024	.021	.003
04FCA7	122	.026	.027	.027	.027	.027	.001
04FCA2	128	.027	.025	.023	.024	.025	.002
04FCA3	135	.026	.023	.025	.020	.024	.003
04FCA5	149	.000	.000	.001	.001	.001	.001
04FCM	115	.025	.025	.025	.025	.025	.000
04FCM	118	.025	.024	.025	.024	.025	.001
04FCM	122	.026	.025	.029	.028	.027	.002
04FCM	128	.028	.029	.030	.029	.029	.001
04FCM	135	.029	.028	.029	.028	.029	.001
04FCM	149	.03	.02	.08	.02	.03	.03
04FCM7	115	.005	.004	.004	.005	.005	.001
04FCM1	118	.005	.005	.005	.005	.005	.000
04FCM3	122	.006	.007	.008	.006	.007	.001
04FCM9	128	.008	.008	.009	.008	.008	.000
04FCM2	135	.006	.006	.006	.006	.006	.000
04FCM5	149	.005	.007	.006	.005	.006	.001
04FCW	115	.006	.005	.005	.007	.006	.001
04FCW	118	.012	.012	.012	.011	.012	.000
04FCW	122	.017	.016	.017	.016	.017	.001
04FCW	128	.018	.017	.018	.017	.018	.001
04FCW	135	.015	.014	.014	.015	.015	.001
04FCW	149	.005	.006	.007	.005	.006	.001
04FCW5	115	.021	.024	.021	.021	.022	.001
04FCW8	118	.022	.024	.023	.023	.023	.001
04FCW6	122	.024	.021	.020	.022	.022	.002
04FCW7	128	.021	.019	.019	.020	.020	.001
04FCW2	135	.014	.012	.012	.013	.013	.001
04FCW9	149	.004	.004	.004	.004	.004	.000

Table 109.--*Nitrite concentration in filtered samples collected from station 5*

[Unless otherwise specified, samples were diluted 1+3 prior to analysis.
Julian dates are for 1992. mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
[1]05FCA	--	--	--	--	--	--	--
05FCA6	119	1.530	1.536	1.532	1.545	1.536	0.007
05FCA9	122	1.197	1.202	1.197	1.196	1.198	.003
[2]05FCA0	127	.911	.921	.912	.917	.915	.005
[2]05FCA7	133	.625	.624	.621	.626	.624	.002
[2]05FCA4	141	.488	.494	.503	.505	.498	.008
[2]05FCA1	155	.384	.380	.385	.379	.382	.003
05FCM	119	1.79	1.83	1.78	1.74	1.78	.04
05FCM	122	1.917	1.907	1.916	1.908	1.912	.005
05FCM	127	1.849	1.862	1.857	1.868	1.859	.008
05FCM	133	1.83	1.87	1.87	1.84	1.85	.02
05FCM	141	1.89	1.89	1.92	1.89	1.90	.02
05FCM	155	2.007	2.000	1.990	1.994	1.998	.007
05FCM9	119	1.83	1.84	1.81	1.82	1.82	.01
05FCM5	122	1.87	1.89	1.88	1.83	1.87	.03
05FCM8	127	1.84	1.83	1.85	1.85	1.84	.01
05FCM1	133	1.838	1.828	1.841	1.835	1.836	.006
05FCM4	141	1.86	1.86	1.85	1.81	1.84	.02
05FCM3	155	2.00	1.96	1.98	2.00	1.98	.02
[1]05FCW	--	--	--	--	--	--	--
05FCW1	119	1.759	1.765	1.771	1.773	1.767	.006
05FCW5	122	1.89	1.85	1.89	1.87	1.87	.02
05FCW8	127	1.86	1.85	1.85	1.82	1.85	.02
05FCW6	133	1.871	1.89	1.889	1.886	1.884	.009
05FCW7	141	1.89	1.88	1.87	1.82	1.87	.03
05FCW2	155	1.98	1.92	1.97	1.97	1.96	.03

[1]Only 1 liter of the acid-preserved and water-control samples was collected. No large-bottle data exist for these treatments.

[2]Sample was not diluted prior to analysis.

Table 110.--*Nitrite concentration in unfiltered samples collected from station 6*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
06RCA	118	0.001	0.000	0.002	0.003	0.002	0.001
06RCA	119	.009	.010	.009	.010	.010	.001
06RCA	121	.002	.001	.001	.000	.001	.001
06RCA	128	.001	.002	.001	.001	.001	.000
06RCA	139	.001	.000	.000	.000	.000	.001
06RCA	153	.004	.005	.005	.005	.005	.001
06RCA6	118	.000	.001	.004	.002	.002	.002
06RCA3	119	.007	.006	.008	.008	.007	.001
06RCA9	121	.000	.001	.001	.001	.001	.001
06RCA5	128	.001	.001	.001	.000	.001	.001
06RCA8	139	.002	.001	.002	.004	.002	.001
06RCA1	153	.004	.003	.004	.004	.004	.000
06RCM	118	.008	.008	.009	.009	.009	.001
06RCM	119	.003	.004	.004	.004	.004	.000
06RCM	121	.00	.03	.01	.03	.02	.02
06RCM	128	.007	.008	.007	.007	.007	.000
06RCM	139	.002	.001	.001	.001	.001	.000
06RCM	153	.002	.002	.002	.001	.002	.001
06RCM0	118	.012	.012	.012	.011	.012	.000
06RCM2	119	.010	.009	.008	.008	.009	.001
06RCM1	121	.008	.007	.008	.008	.008	.001
06RCM5	128	.005	.010	.006	.009	.008	.002
06RCM8	139	.002	.001	.001	.002	.002	.001
06RCM6	153	.001	.001	.001	.001	.001	.000
06RCW	118	.013	.012	.013	.013	.013	.001
06RCW	119	.003	.004	.004	.003	.004	.001
06RCW	121	.008	.008	.008	.008	.008	.000
06RCW	128	.007	.008	.007	.007	.007	.000
06RCW	139	.002	.002	.003	.002	.002	.000
06RCW	153	.003	.002	.002	.002	.002	.000
06RCW4	118	.017	.017	.017	.017	.017	.000
06RCW6	119	.007	.010	.009	.008	.009	.001
06RCW8	121	.012	.011	.011	.012	.012	.001
06RCW2	128	.011	.010	.011	.011	.011	.000
06RCW7	139	.002	.002	.002	.002	.002	.000
06RCW3	153	.003	.002	.003	.003	.003	.000

Table 111.--*Nitrite concentration in filtered samples collected from station 7*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
07FCA	122	0.007	0.007	0.007	0.007	0.007	0.000
07FCA	125	.006	.006	.006	.005	.006	.001
07FCA	129	.005	.006	.004	.006	.005	.001
07FCA	134	.006	.005	.007	.005	.006	.001
07FCA	142	.005	.005	.005	.005	.005	.000
07FCA	156	.005	.005	.005	.005	.005	.000
07FCA7	122	.009	.010	.009	.008	.009	.001
07FCA6	125	.007	.007	.007	.007	.007	.000
07FCA9	129	.006	.007	.008	.007	.007	.001
07FCA8	134	.008	.011	.009	.010	.010	.001
07FCA1	142	.007	.006	.010	.008	.008	.002
07FCA4	156	.004	.005	.004	.005	.005	.001
07FCM	122	.037	.037	.037	.036	.037	.000
07FCM	125	.037	.037	.038	.037	.037	.000
07FCM	129	.045	.044	.042	.043	.044	.001
07FCM	134	.046	.043	.048	.043	.045	.002
07FCM	142	.040	.039	.040	.040	.040	.001
07FCM	156	.045	.042	.037	.040	.041	.003
07FCM7	122	.036	.037	.037	.036	.037	.001
07FCM1	125	.039	.038	.036	.039	.038	.001
07FCM5	129	.044	.042	.043	.043	.043	.001
07FCM4	134	.041	.041	.042	.042	.042	.001
07FCM9	142	.037	.037	.037	.038	.037	.000
07FCM0	156	.036	.036	.036	.036	.036	.000
07FCW	122	.041	.041	.041	.042	.041	.000
07FCW	125	.046	.043	.044	.044	.044	.001
07FCW	129	.046	.047	.045	.045	.046	.001
07FCW	134	.042	.050	.042	.045	.045	.004
07FCW	142	.041	.039	.039	.040	.040	.001
07FCW	156	.039	.040	.039	.040	.040	.001
07FCW3	122	.041	.040	.040	.040	.040	.000
07FCW6	125	.041	.043	.041	.041	.042	.001
07FCW5	129	.045	.045	.046	.045	.045	.000
07FCW7	134	.039	.040	.040	.040	.040	.001
07FCW1	142	.040	.039	.039	.039	.039	.001
07FCW4	156	.039	.039	.039	.039	.039	.000

Table 112.--*Nitrite concentration in filtered samples collected from station 8*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
08FCA	126	0.004	0.003	0.001	0.004	0.003	0.001
08FCA	129	.001	.002	.002	.000	.001	.001
08FCA	133	.004	.004	.006	.004	.005	.001
08FCA	141	.000	.001	.001	.000	.001	.001
08FCA	148	.001	.002	.000	.000	.001	.001
08FCA	162	.011	.011	.011	.011	.011	.000
08FCA3	126	.002	.004	.003	.004	.003	.001
08FCA1	129	.003	.005	.003	.005	.004	.001
08FCA5	133	.006	.006	.007	.006	.006	.000
08FCA4	141	.003	.002	.003	.002	.003	.001
08FCA2	148	.001	.004	.006	.005	.004	.002
08FCA7	162	.010	.010	.010	.009	.010	.000
08FCM	126	.010	.011	.010	.011	.011	.001
08FCM	129	.013	.012	.012	.018	.014	.003
08FCM	133	.013	.009	.009	.010	.010	.002
08FCM	141	.010	.008	.008	.008	.009	.001
08FCM	148	.006	.006	.006	.006	.006	.000
08FCM	162	.007	.007	.007	.007	.007	.000
08FCM6	126	.012	.012	.012	.012	.012	.000
08FCM8	129	.016	.015	.015	.016	.016	.001
08FCM9	133	.010	.011	.011	.010	.011	.001
08FCM1	141	.010	.011	.010	.009	.010	.001
08FCM2	148	.009	.008	.009	.008	.009	.001
08FCM5	162	.009	.010	.010	.010	.010	.000
08FCW	126	.012	.013	.012	.012	.012	.000
08FCW	129	.014	.014	.014	.013	.014	.001
08FCW	133	.009	.009	.009	.009	.009	.000
08FCW	141	.006	.006	.006	.006	.006	.000
08FCW	148	.005	.005	.005	.005	.005	.000
08FCW	162	.005	.005	.004	.005	.005	.001
08FCW0	126	.014	.015	.014	.014	.014	.000
08FCW8	129	.016	.017	.016	.016	.016	.000
08FCW1	133	.011	.011	.011	.011	.011	.000
08FCW6	141	.007	.007	.008	.008	.008	.001
08FCW9	148	.008	.009	.008	.008	.008	.000
08FCW5	162	.007	.007	.007	.007	.007	.000

Table 113.--*Nitrite concentration in filtered samples collected from station 9*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
09FCA	125	0.002	0.002	0.002	0.002	0.002	0.000
09FCA	126	.004	.004	.005	.004	.004	.000
09FCA	128	.006	.006	.006	.005	.006	.001
09FCA	135	.002	.002	.001	.002	.002	.001
09FCA	147	.003	.003	.003	.003	.003	.000
09FCA	161	.003	.002	.003	.003	.003	.000
09FCA7	125	.002	.006	.008	.002	.005	.003
09FCA3	126	.005	.006	.014	.014	.010	.005
09FCA1	128	.003	.001	.005	.004	.003	.002
09FCA5	135	.002	.000	.000	.001	.001	.001
09FCA4	147	.002	.003	.003	.002	.003	.001
09FCA6	161	.003	.003	.003	.003	.003	.000
09FCM	125	.000	.000	.000	.000	.000	.000
09FCM	126	.003	.004	.003	.003	.003	.000
09FCM	128	.003	.003	.003	.004	.003	.000
09FCM	135	.001	.002	.002	.001	.002	.001
09FCM	147	.004	.004	.004	.005	.004	.000
09FCM	161	.013	.014	.014	.014	.014	.000
09FCM5	125	.000	.001	.016	.016	.008	.009
09FCM6	126	.020	.004	.022	.003	.012	.010
09FCM8	128	.005	.004	.020	.020	.012	.009
09FCM9	135	.004	.002	.019	.019	.011	.009
09FCM1	147	.014	.005	.003	.013	.009	.006
09FCM3	161	.014	.015	.015	.014	.015	.001
09FCW	125	-.008	-.009	-.006	-.004	-.007	.002
09FCW	126	.004	.004	.005	.004	.004	.000
09FCW	128	.005	.005	.004	.005	.005	.001
09FCW	135	.001	.000	.001	.001	.001	.001
09FCW	147	.003	.003	.003	.003	.003	.000
09FCW	161	.014	.015	.015	.015	.015	.001
09FCW5	125	.002	.003	-.010	.011	.001	.009
09FCW0	126	.022	.022	.005	.006	.014	.010
09FCW8	128	.021	.019	.006	.005	.013	.008
09FCW1	135	.001	.018	.001	.017	.009	.010
09FCW6	147	.002	.015	.015	.003	.009	.007
09FCW2	161	.015	.015	.014	.014	.015	.001

Table 114.--*Nitrite concentration in filtered samples collected from station 10*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
10FCA	129	0.002	0.001	0.002	0.002	0.002	0.001
10FCA	132	.001	.000	.012	.002	.004	.006
10FCA	135	.003	.004	.003	.005	.004	.001
10FCA	142	.003	.002	.002	.002	.002	.000
10FCA	149	.006	.006	.005	.005	.006	.001
10FCA	163	.005	.005	.005	.005	.005	.000
10FCA8	129	.001	.001	.001	.000	.001	.001
10FCA4	132	.001	.001	.001	.001	.001	.000
10FCA9	135	.009	.008	.006	.010	.008	.002
10FCA2	142	.004	.004	.003	.004	.004	.000
10FCA0	149	.003	.003	.004	.000	.003	.002
10FCA1	163	.004	.004	.004	.004	.004	.000
10FCM	129	.002	.002	.002	.003	.002	.000
10FCM	132	.001	.001	.001	.001	.001	.000
10FCM	135	.002	.003	.003	.003	.003	.000
10FCM	142	.002	.002	.002	.002	.002	.000
10FCM	149	.005	.006	.006	.005	.006	.001
10FCM	163	.004	.004	.004	.003	.004	.000
10FCM8	129	.002	.002	.002	.002	.002	.000
10FCM7	132	.001	.001	.001	.001	.001	.000
10FCM1	135	.003	.003	.004	.005	.004	.001
10FCM9	142	.002	.002	.002	.002	.002	.000
10FCM4	149	.007	.007	.008	.009	.008	.001
10FCM6	163	.003	.004	.003	.004	.004	.001
10FCW	129	.005	.005	.005	.007	.006	.001
10FCW	132	.001	.001	.002	.002	.002	.001
10FCW	135	.002	.001	.001	.001	.001	.000
10FCW	142	.002	.002	.002	.002	.002	.000
10FCW	149	.003	.003	.003	.003	.003	.000
10FCW	163	.004	.004	.004	.004	.004	.000
10FCW4	129	.006	.006	.005	.005	.006	.001
10FCW7	132	.000	.001	.000	.001	.001	.001
10FCW9	135	.002	.003	.002	.004	.003	.001
10FCW5	142	.002	.002	.002	.002	.002	.000
10FCW0	149	.002	.001	.002	.003	.002	.001
10FCW1	163	.003	.003	.003	.004	.003	.000

Table 115.--*Nitrite concentration in filtered samples collected from station 11*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
11FCA	133	0.002	0.003	0.003	0.003	0.003	0.000
11FCA	136	--	--	--	--	--	--
11FCA	140	-.005	-.005	-.004	-.006	-.005	.001
11FCA	148	.001	.001	.000	.001	.001	.001
11FCA	155	.008	.007	.007	.008	.008	.001
11FCA	168	.005	.005	.004	.005	.005	.001
11FCA6	133	.003	.003	.003	.003	.003	.000
11FCA0	136	--	--	--	--	--	--
11FCA9	140	-.001	-.001	-.002	-.003	-.001	.002
11FCA1	148	.000	.001	.001	.000	.001	.001
11FCA5	155	.003	.005	.006	.006	.005	.001
11FCA8	168	.004	.005	.004	.005	.005	.001
11FCM	133	.000	.001	.000	.001	.001	.001
11FCM	136	.002	.002	.002	.002	.002	.000
11FCM	140	.000	.000	.000	.001	.000	.001
11FCM	148	.001	.001	.000	.002	.001	.001
11FCM	155	.003	.003	.002	.003	.003	.000
11FCM	168	.005	.005	.005	.004	.005	.001
11FCM9	133	.000	.000	.001	.000	.000	.001
11FCM8	136	.002	.002	.002	.001	.002	.001
11FCM5	140	.000	.000	.000	.000	.000	.000
11FCM3	148	.002	.002	.002	.002	.002	.000
11FCM6	155	.001	.002	.001	.002	.002	.001
11FCM0	168	.004	.005	.005	.004	.005	.001
11FCW	133	.000	.001	.002	.001	.001	.001
11FCW	136	.009	.006	.008	.007	.008	.001
11FCW	140	.002	.001	.002	.001	.002	.001
11FCW	148	.002	.000	.002	.001	.001	.001
11FCW	155	.009	.010	.011	.011	.010	.001
11FCW	168	.004	.004	.004	.004	.004	.000
11FCW1	133	.001	.001	.001	.001	.001	.000
11FCW8	136	.007	.005	.007	.006	.006	.001
11FCW5	140	.001	.001	.001	.001	.001	.000
11FCW2	148	.002	.002	.001	.002	.002	.001
11FCW0	155	.008	.010	.007	.009	.009	.001
11FCW4	168	.004	.004	.004	.004	.004	.000

Table 116.--*Nitrite concentration in filtered samples collected from station 12*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
12FCA	136	--	--	--	--	--	--
12FCA	139	0.095	0.092	0.095	0.095	0.094	0.002
12FCA	143	.066	.066	.066	.065	.066	.001
12FCA	149	.065	.066	.065	.064	.065	.001
12FCA	156	.064	.064	.063	.064	.064	.001
12FCA	170	.058	.058	.059	.057	.058	.001
12FCA0	136	--	--	--	--	--	--
12FCA7	139	.088	.088	.088	.088	.088	.000
12FCA3	143	.061	.063	.061	.062	.062	.001
12FCA9	149	.058	.058	.058	.059	.058	.000
12FCA4	156	.057	.057	.056	.056	.057	.001
12FCA5	170	.049	.048	.047	.049	.048	.001
12FCM	136	.084	.084	.084	.083	.084	.000
12FCM	139	.093	.096	.093	.094	.094	.001
12FCM	143	.098	.096	.100	.096	.098	.002
12FCM	149	.104	.103	.105	.105	.104	.001
12FCM	156	.099	.098	.101	.100	.100	.001
12FCM	170	.105	.104	.104	.104	.104	.000
12FCM4	136	.079	.078	.078	.079	.079	.001
12FCM3	139	.093	.093	.093	.093	.093	.000
12FCM2	143	.095	.096	.096	.096	.096	.001
12FCM5	149	.104	.105	.104	.104	.104	.001
12FCM7	156	.098	.097	.098	.098	.098	.001
12FCM1	170	.104	.103	.104	.103	.104	.001
12FCW	136	.104	.103	.103	.103	.103	.001
12FCW	139	.097	.097	.097	.098	.097	.001
12FCW	143	.096	.096	.096	.096	.096	.000
12FCW	149	.097	.097	.097	.097	.097	.000
12FCW	156	.105	.106	.106	.106	.106	.000
12FCW	170	.100	.100	.100	.101	.100	.001
12FCW1	136	.105	.104	.104	.104	.104	.000
12FCW6	139	.097	.097	.097	.100	.098	.002
12FCW2	143	.096	.095	.096	.095	.096	.001
12FCW9	149	.096	.096	.096	.096	.096	.000
12FCW5	156	.106	.105	.106	.106	.106	.000
12FCW8	170	.099	.099	.099	.100	.099	.000

Table 117.--*Nitrite concentration in filtered samples collected from station 13*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
13FCA	140	0.004	0.005	0.004	0.005	0.005	0.001
13FCA	143	.005	.004	.004	.004	.004	.000
13FCA	147	.002	.001	.002	.002	.002	.001
13FCA	155	.006	.007	.006	.006	.006	.001
13FCA	161	.002	.002	.002	.002	.002	.000
13FCA	175	.005	.005	.004	.005	.005	.001
13FCA0	140	.008	.008	.006	.006	.007	.001
13FCA8	143	.005	.006	.007	.008	.007	.001
13FCA7	147	.004	.002	.006	.003	.004	.002
13FCA2	155	.006	.006	.005	.005	.006	.001
13FCA1	161	.001	.001	.002	.002	.002	.001
13FCA5	175	.004	.005	.004	.003	.004	.001
13FCM	140	.028	.028	.028	.028	.028	.000
13FCM	143	.027	.027	.027	.027	.027	.000
13FCM	147	.028	.026	.026	.026	.027	.001
13FCM	155	.027	.026	.026	.026	.026	.000
13FCM	161	.027	.028	.027	.027	.027	.001
13FCM	175	.028	.027	.027	.027	.027	.001
13FCM0	140	.015	.015	.016	.015	.015	.001
13FCM4	143	.015	.015	.014	.014	.015	.001
13FCM5	147	.013	.015	.013	.013	.014	.001
13FCM2	155	.013	.013	.013	.013	.013	.000
13FCM8	161	.013	.013	.013	.013	.013	.000
13FCM9	175	.011	.011	.011	.011	.011	.000
13FCW	140	.014	.014	.014	.014	.014	.000
13FCW	143	.014	.014	.015	.013	.014	.001
13FCW	147	.016	.013	.013	.015	.014	.001
13FCW	155	.007	.008	.008	.007	.008	.001
13FCW	161	.013	.013	.013	.013	.013	.000
13FCW	175	.012	.012	.012	.013	.012	.000
13FCW4	140	.015	.014	.014	.014	.014	.000
13FCW7	143	.014	.015	.014	.013	.014	.001
13FCW5	147	.015	.014	.013	.014	.014	.001
13FCW9	155	.009	.008	.009	.009	.009	.001
13FCW8	161	.013	.013	.013	.013	.013	.000
13FCW1	175	.012	.012	.013	.012	.012	.000

Table 118.--*Nitrite concentration in filtered samples collected from station 14*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
14FCA	143	0.032	0.031	0.031	0.031	0.031	0.000
14FCA	147	.024	.024	.024	.024	.024	.000
14FCA	150	.018	.017	.017	.017	.017	.001
14FCA	157	.017	.017	.017	.017	.017	.000
14FCA	163	.013	.012	.012	.012	.012	.001
14FCA	175	.010	.008	.009	.008	.009	.001
14FCA4	143	.031	.030	.029	.030	.030	.001
14FCA3	147	.022	.023	.022	.022	.022	.000
14FCA0	150	.018	.018	.018	.017	.018	.001
14FCA8	157	.015	.016	.015	.015	.015	.000
14FCA5	163	.014	.014	.014	.014	.014	.000
14FCA1	175	.007	.008	.008	.006	.007	.001
14FCM	143	.043	.044	.043	.044	.044	.001
14FCM	147	.046	.051	.046	.060	.051	.007
14FCM	150	.042	.042	.042	.042	.042	.000
14FCM	157	.044	.044	.044	.044	.044	.000
14FCM	163	.045	.046	.045	.045	.045	.000
14FCM	175	.045	.045	.045	.045	.045	.000
14FCM5	143	.043	.043	.043	.043	.043	.000
14FCM9	147	.043	.042	.043	.043	.043	.001
14FCM6	150	.042	.041	.042	.042	.042	.000
14FCM7	157	.044	.044	.046	.045	.045	.001
14FCM1	163	.046	.046	.045	.045	.046	.001
14FCM8	175	.045	.045	.045	.045	.045	.000
14FCW	143	.043	.043	.043	.044	.043	.000
14FCW	147	.044	.044	.043	.044	.044	.000
14FCW	150	.046	.042	.044	.044	.044	.002
14FCW	157	.045	.045	.045	.045	.045	.000
14FCW	163	.045	.045	.045	.045	.045	.000
14FCW	175	.044	.045	.045	.045	.045	.000
14FCW6	143	.043	.043	.043	.044	.043	.000
14FCW3	147	.044	.044	.044	.044	.044	.000
14FCW4	150	.044	.044	.045	.044	.044	.001
14FCW8	157	.045	.045	.045	.045	.045	.000
14FCW9	163	.045	.045	.045	.046	.045	.001
14FCW5	175	.045	.045	.047	.045	.046	.001

Table 119.--*Nitrite concentration in filtered samples collected from station 15*

[Samples were not diluted prior to analysis. Julian dates are for 1992.
mg/L, milligrams per liter; Std. dev., standard deviation]

Laboratory identifier	Julian date	Concentration and standard deviation (mg/L)					
		Trial 1	Trial 2	Trial 3	Trial 4	Average	Std. dev.
15FCA	148	0.004	0.003	0.004	0.004	0.004	0.000
15FCA	150	.005	.002	.004	.005	.004	.001
15FCA	153	.002	.002	.001	.001	.002	.001
15FCA	157	.001	.001	.001	.001	.001	.000
15FCA	168	.001	.002	.002	.003	.002	.001
15FCA	181	.000	.002	.002	.002	.002	.001
15FCA5	148	.004	.005	.004	.004	.004	.000
15FCA9	150	.001	.000	.001	.001	.001	.001
15FCA1	153	.001	.000	.002	.002	.001	.001
15FCA6	157	.003	.004	.004	.004	.004	.000
15FCA0	168	.001	.000	.000	.000	.000	.001
15FCA4	181	.002	.002	.002	.001	.002	.001
15FCM	148	.001	.001	.001	.002	.001	.000
15FCM	150	.000	.000	.000	.001	.000	.001
15FCM	153	.000	.000	.001	.000	.000	.001
15FCM	157	.003	.001	.001	.001	.002	.001
15FCM	168	.001	.001	.000	.001	.001	.001
15FCM	181	.001	.001	.001	.000	.001	.001
15FCM4	150	.000	.001	.000	.000	.000	.001
15FCM8	153	.001	.001	.001	.000	.001	.001
15FCM2	157	.002	.001	.003	.002	.002	.001
15FCM6	168	.000	.001	.001	.001	.001	.001
15FCM5	181	.002	.001	.001	.002	.002	.001
15FCW	148	.000	.000	.001	.001	.001	.001
15FCW	150	.001	.001	.001	.001	.001	.000
15FCW	153	.006	.006	.006	.006	.006	.000
15FCW	157	.001	.002	.001	.001	.001	.000
15FCW	168	.001	.001	.001	.001	.001	.000
15FCW	181	.003	.003	.003	.003	.003	.000
15FCW9	148	.000	.000	.000	.000	.000	.000
15FCW2	150	.001	.001	.001	.001	.001	.000
15FCW5	153	.007	.006	.008	.009	.008	.001
15FCW7	157	.001	.000	.001	.001	.001	.001
15FCW4	168	.001	.003	.001	.001	.002	.001
15FCW6	181	.002	.003	.002	.002	.002	.000

Table 120.--*Phosphorus concentration in reference samples (USEPA Nutrient Concentration 2) determined concurrently with field samples analyzed for the nutrient preservation experiment*

[The most probable concentration of phosphorus in this reference sample is 1.5 ± 0.1 mg/L. The headings Acid, Mercury, and Water refer to the matrix in which reference samples were prepared. Julian dates are for 1992. USEPA, U.S. Environmental Protection Agency; mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Station number	Julian date	Phosphorus concentration (mg/L)							
		Acid		Mercury		Water		All treatments	
		Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Average	Std. dev.
1	104	1.53	--	1.53	--	1.51	--	1.52	0.01
	105	1.48	--	1.52	--	1.47	--	1.49	.03
	109	1.46	--	1.49	--	1.52	--	1.49	.03
	112	1.48	1.50	1.47	1.52	1.47	1.47	1.49	.02
	114	1.47	--	1.52	--	1.43	--	1.47	.04
	125	1.50	1.53	1.50	1.50	1.49	1.52	1.51	.02
	139	1.51	1.50	1.54	1.51	1.48	1.51	1.51	.02
2	109	1.46	--	1.49	--	1.52	--	1.49	.03
	112	1.48	1.50	1.47	1.52	1.47	1.47	1.49	.02
	114	1.47	--	1.52	--	1.43	--	1.47	.04
	121	1.47	--	1.53	--	1.51	--	1.51	.03
	127	1.48	1.49	1.54	1.50	1.47	1.47	1.49	.03
	142	1.49	1.51	1.49	1.53	1.50	1.47	1.50	.02
3	112	1.48	1.50	1.47	1.52	1.47	1.47	1.49	.02
	115	1.51	1.47	1.55	1.48	1.46	1.45	1.49	.04
	119	1.49	--	1.51	--	1.46	--	1.49	.02
	127	1.48	1.49	1.54	1.50	1.47	1.47	1.49	.03
	134	1.50	--	1.54	--	1.52	--	1.52	.02
	148	1.59	1.61	1.50	1.52	1.54	[1]1.647	1.55	.05
4	115	1.51	1.47	1.55	1.48	1.46	1.45	1.49	.04
	118	1.47	--	1.51	--	1.51	--	1.50	.02
	122	1.54	1.53	1.48	1.45	1.50	1.49	1.50	.03
	128	1.50	1.48	1.53	1.49	1.47	1.51	1.49	.02
	135	1.52	1.51	1.50	1.48	1.51	1.45	1.49	.03
	149	1.51	[1]1.639	1.46	1.54	1.52	[1]1.640	1.51	.03
5	120	1.48	1.47	1.50	1.51	1.48	1.45	1.48	.03
	120	[1]1.48	--	[1]1.54	--	[1]1.46	--	--	--
	122	1.54	1.53	1.48	1.45	1.50	1.49	1.50	.03
	127	1.48	1.49	1.54	1.50	1.47	1.47	1.49	.03
	133	1.50	1.51	1.53	1.51	1.49	[1]1.658	1.50	.01
	141	1.50	--	1.49	--	1.48	--	1.49	.01
	155	1.51	1.60	1.46	1.47	1.50	1.46	1.50	.05
6	118	1.47	--	1.51	--	1.51	--	1.50	.02
	119	1.49	--	1.51	--	1.46	--	1.49	.02
	121	1.47	--	1.53	--	1.51	--	1.51	.03
	128	1.50	1.48	1.53	1.49	1.47	1.51	1.49	.02
	139	1.51	1.50	1.54	1.51	1.48	1.51	1.51	.02
	153	1.52	--	1.52	--	1.60	--	1.54	.05
7	122	1.54	1.53	1.48	1.45	1.50	1.49	1.50	.03
	125	1.50	1.53	1.50	1.50	1.49	1.52	1.51	.02
	129	1.49	1.49	1.49	1.54	1.49	1.48	1.50	.02
	134	1.50	--	1.54	--	1.52	--	1.52	.02
	142	1.49	1.51	1.49	1.53	1.50	1.47	1.50	.02
	156	1.52	--	1.41	--	1.50	--	1.48	.06

Table 120.--*Phosphorus concentration in reference samples (USEPA Nutrient Concentration 2) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Phosphorus concentration (mg/L)							
		Acid		Mercury		Water		All treatments	
		Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Average	Std. dev.
8	126	1.46	--	1.50	--	1.49	--	1.49	0.02
	129	1.49	1.49	1.49	1.54	1.49	1.48	1.50	.02
	133	1.50	1.51	1.53	1.51	1.49	[2]1.658	1.50	.01
	141	1.50	--	1.49	--	1.48	--	1.49	.01
	148	1.59	1.61	1.50	1.52	1.54	[2]1.647	1.55	.05
	162	1.53		1.46		1.57		1.52	.06
9	125	1.53	1.50	1.50	1.50	1.52	1.49	1.51	.02
	126	1.46	--	1.50	--	1.49	--	1.48	.02
	128	1.48	1.50	1.49	1.53	1.51	1.47	1.50	.02
	135	1.52	1.51	1.50	1.48	1.51	1.45	1.50	.03
	147	1.53	1.55	1.51	1.58	1.54	1.52	1.54	.02
	161	1.52	--	1.47	--	1.53	--	1.51	.03
10	129	1.49	1.49	1.49	1.54	1.49	1.48	1.50	.02
	132	1.45	--	1.51	--	1.48	--	1.48	.03
	135	1.52	1.51	1.50	1.48	1.51	1.45	1.50	.03
	142	1.49	1.51	1.49	1.53	1.50	1.47	1.50	.02
	149	1.51	[2]1.639	1.46	1.54	1.52	[2]1.640	1.51	.03
	163	1.50	--	1.50	--	1.53	--	1.51	.02
11	133	1.50	1.51	1.53	1.51	1.49	[2]1.658	1.50	.01
	136	1.51	--	1.48	--	1.48	--	1.49	.02
	140	1.53	--	1.47	--	1.46	--	1.49	.03
	148	1.59	1.61	1.50	1.52	1.54	[2]1.647	1.55	.05
	155	1.51	1.60	1.46	1.47	1.50	1.46	1.50	.05
	168	1.50	--	1.50	--	1.52	--	1.51	.01
12	136	1.51	--	1.48	--	1.48	--	1.49	.02
	139	1.51	1.50	1.54	1.51	1.48	1.51	1.51	.02
	143	1.48	1.46	1.50	1.50	1.49	1.53	1.50	.02
	149	1.51	[2]1.639	1.46	1.54	1.52	[2]1.640	1.51	.03
	156	1.52	--	1.41	--	1.50	--	1.48	.06
	170	1.52	--	1.55	--	1.51	--	1.53	.02
13	140	1.53	--	1.47	--	1.46	--	1.49	.03
	143	1.48	1.46	1.50	1.50	1.49	1.53	1.50	.02
	147	1.53	1.55	1.51	1.58	1.54	1.52	1.54	.02
	155	1.51	1.60	1.46	1.47	1.50	1.46	1.50	.05
	161	1.52	--	1.47	--	1.53	--	1.51	.03
	175	1.54	--	1.52	--	1.54	--	1.53	.01
14	143	1.48	1.46	1.50	1.50	1.49	1.53	1.50	.02
	147	1.53	1.55	1.51	1.58	1.54	1.52	1.54	.02
	150	1.54	--	1.50	--	1.59	--	1.54	.04
	157	1.53	--	1.47	--	1.50	--	1.50	.03
	163	1.50	--	1.50	--	1.53	--	1.51	.02
	175	1.54	--	1.52	--	1.54	--	1.53	.01
15	148	1.59	1.61	1.50	1.52	1.54	[2]1.647	1.55	.05
	150	1.54	--	1.50	--	1.59	--	1.54	.04
	153	1.52	--	1.52	--	1.60	--	1.54	.05
	157	1.53	--	1.47	--	1.50	--	1.50	.03
	168	1.50	--	1.50	--	1.52	--	1.51	.01
	181	1.53	--	1.54	--	1.51	--	1.52	.01

[1]Trial 3.
[2]Data point was not used in calculation of average and standard deviation.

Table 121.--*Orthophosphate concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*

[The most probable concentration of orthophosphate in this reference sample is 0.39 ± 0.04 mg/L. Averages and standard deviations are the result of four replicate (within analysis) determinations. The headings Acid, Mercury, and Water refer to the matrix in which reference samples were prepared. Julian dates are for 1992. USEPA, U.S. Environmental Protection Agency; mg/L, milligrams per liter; ±, plus or minus; --, no data]

Station number	Julian date	Orthophosphate concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
1	104	[1]0.549 ± 0.002	[1]0.533 ± 0.005	[1]0.531 ± 0.001
	109	[1]0.518 ± 0.000	[1]0.521 ± 0.001	[1]0.526 ± 0.002
	112	0.409 ± 0.001	[1]0.503 ± 0.001	[1]0.526 ± 0.003
	114	0.409 ± 0.002	0.408 ± 0.001	0.417 ± 0.003
	125	0.405 ± 0.002	0.424 ± 0.002	0.409 ± 0.001
	139	0.424 ± 0.001	0.409 ± 0.001	0.416 ± 0.001
2	109	[1]0.518 ± 0.000	[1]0.521 ± 0.001	[1]0.526 ± 0.002
	112	0.409 ± 0.001	[1]0.503 ± 0.001	[1]0.526 ± 0.003
	114	0.409 ± 0.002	0.408 ± 0.001	0.417 ± 0.003
	121	0.411 ± 0.001	0.422 ± 0.003	0.400 ± 0.008
	127	0.407 ± 0.001	0.422 ± 0.003	0.410 ± 0.002
	142	0.412 ± 0.001	0.424 ± 0.002	0.425 ± 0.002
3	112	0.409 ± 0.001	0.503 ± 0.001	0.526 ± 0.003
	115	0.401 ± 0.001	0.410 ± 0.002	0.414 ± 0.004
	119	0.420 ± 0.001	0.409 ± 0.001	0.410 ± 0.006
	127	0.407 ± 0.001	0.422 ± 0.003	0.410 ± 0.002
	134	0.411 ± 0.000	0.408 ± 0.001	0.417 ± 0.002
	148	0.417 ± 0.003	0.423 ± 0.003	0.421 ± 0.002
4	115	0.401 ± 0.001	0.410 ± 0.002	0.414 ± 0.004
	118	0.410 ± 0.001	0.412 ± 0.001	0.413 ± 0.002
	122	0.406 ± 0.002	0.423 ± 0.001	0.405 ± 0.002
	128	0.415 ± 0.002	0.425 ± 0.003	0.416 ± 0.007
	135	0.405 ± 0.002	0.407 ± 0.002	0.414 ± 0.002
	149	0.434 ± 0.001	0.424 ± 0.002	0.424 ± 0.001
5	121	0.411 ± 0.001	0.422 ± 0.003	0.400 ± 0.008
	122	0.406 ± 0.002	0.423 ± 0.001	0.405 ± 0.002
	127	0.407 ± 0.001	0.422 ± 0.003	0.410 ± 0.002
	133	0.406 ± 0.003	0.410 ± 0.001	0.417 ± 0.001
	141	0.416 ± 0.001	0.423 ± 0.009	0.419 ± 0.001
	155	0.426 ± 0.001	0.422 ± 0.002	0.420 ± 0.001
6	118	0.410 ± 0.001	0.412 ± 0.001	0.413 ± 0.002
	119	0.420 ± 0.001	0.409 ± 0.001	0.410 ± 0.006
	121	0.411 ± 0.001	0.422 ± 0.003	0.400 ± 0.008
	128	0.415 ± 0.002	0.425 ± 0.003	0.416 ± 0.007
	139	0.424 ± 0.001	0.409 ± 0.001	0.416 ± 0.001
	153	0.420 ± 0.002	0.423 ± 0.001	0.422 ± 0.001

Table 121.--*Orthophosphate concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Orthophosphate concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
7	122	0.406 ± 0.002	0.423 ± 0.001	0.405 ± 0.002
	125	0.405 ± 0.002	0.424 ± 0.002	0.409 ± 0.001
	129	0.402 ± 0.002	0.421 ± 0.001	0.407 ± 0.002
	134	0.411 ± 0.000	0.408 ± 0.001	0.417 ± 0.002
	142	0.412 ± 0.001	0.424 ± 0.002	0.425 ± 0.002
	156	0.430 ± 0.000	0.423 ± 0.001	0.421 ± 0.002
8	126	0.403 ± 0.004	0.423 ± 0.004	0.409 ± 0.001
	129	0.402 ± 0.002	0.421 ± 0.001	0.407 ± 0.002
	133	0.406 ± 0.003	0.410 ± 0.001	0.417 ± 0.001
	141	0.416 ± 0.001	0.423 ± 0.009	0.417 ± 0.001
	148	0.417 ± 0.003	0.422 ± 0.004	0.422 ± 0.002
	162	0.427 ± 0.000	0.421 ± 0.001	0.421 ± 0.000
9	125	0.405 ± 0.002	0.424 ± 0.002	0.409 ± 0.001
	126	0.403 ± 0.004	0.423 ± 0.004	0.409 ± 0.001
	128	0.415 ± 0.002	0.425 ± 0.003	0.416 ± 0.007
	135	0.405 ± 0.002	0.407 ± 0.002	0.414 ± 0.002
	147	0.420 ± 0.001	0.425 ± 0.001	0.424 ± 0.001
	161	0.395 ± 0.002	0.424 ± 0.001	0.423 ± 0.004
10	129	0.402 ± 0.002	0.421 ± 0.001	0.407 ± 0.002
	132	0.403 ± 0.001	0.407 ± 0.002	0.417 ± 0.001
	135	0.405 ± 0.002	0.407 ± 0.002	0.414 ± 0.002
	142	0.412 ± 0.001	0.424 ± 0.002	0.425 ± 0.002
	149	0.434 ± 0.001	0.424 ± 0.002	0.424 ± 0.001
	163	0.418 ± 0.001	0.423 ± 0.007	0.424 ± 0.001
11	133	0.406 ± 0.003	0.410 ± 0.001	0.417 ± 0.001
	136	--	0.425 ± 0.001	0.429 ± 0.004
	148	0.415 ± 0.001	0.413 ± 0.004	0.418 ± 0.001
	148	0.417 ± 0.003	0.423 ± 0.003	0.422 ± 0.002
	155	0.426 ± 0.001	0.422 ± 0.002	0.420 ± 0.001
	168	0.430 ± 0.000	0.422 ± 0.000	0.422 ± 0.001
12	136	--	0.425 ± 0.001	0.429 ± 0.004
	139	0.424 ± 0.001	0.409 ± 0.001	0.416 ± 0.001
	143	0.422 ± 0.001	0.423 ± 0.001	0.425 ± 0.001
	149	0.434 ± 0.001	0.424 ± 0.002	0.424 ± 0.001
	156	0.430 ± 0.000	0.423 ± 0.001	0.421 ± 0.002
	170	0.419 ± 0.001	0.424 ± 0.001	0.420 ± 0.004

Table 121.--*Orthophosphate concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Orthophosphate concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
13	140	0.415 ± 0.001	0.413 ± 0.004	0.418 ± 0.001
	143	0.422 ± 0.001	0.423 ± 0.001	0.425 ± 0.001
	147	0.420 ± 0.001	0.425 ± 0.001	0.424 ± 0.001
	155	0.426 ± 0.001	0.422 ± 0.002	0.420 ± 0.001
	161	0.395 ± 0.002	0.424 ± 0.001	0.423 ± 0.004
	175	0.424 ± 0.001	0.411 ± 0.009	0.418 ± 0.007
14	143	0.422 ± 0.001	0.423 ± 0.001	0.425 ± 0.001
	147	0.420 ± 0.001	0.425 ± 0.001	0.424 ± 0.001
	150	0.421 ± 0.001	0.420 ± 0.001	0.420 ± 0.001
	157	0.416 ± 0.001	0.422 ± 0.001	0.418 ± 0.001
	163	0.418 ± 0.001	0.423 ± 0.007	0.424 ± 0.001
	175	0.424 ± 0.001	0.411 ± 0.009	0.418 ± 0.007
15	148	0.417 ± 0.003	0.422 ± 0.004	0.422 ± 0.002
	150	0.421 ± 0.001	0.420 ± 0.001	0.420 ± 0.001
	153	0.420 ± 0.002	0.423 ± 0.001	0.422 ± 0.001
	157	0.416 ± 0.001	0.422 ± 0.001	0.418 ± 0.001
	168	0.430 ± 0.000	0.422 ± 0.000	0.422 ± 0.001
	181	0.418 ± 0.000	0.421 ± 0.003	0.421 ± 0.004

[1]Do not use these data. Check standards were contaminated with orthophosphate.

Table 122.--*Kjeldahl nitrogen concentration in reference samples (USEPA Nutrient Concentration 2) determined concurrently with field samples analyzed for the nutrient preservation experiment*

[The most probable concentration of Kjeldahl nitrogen in this reference sample is 5.0 ± 0.4 mg/L.
The headings Acid, Mercury, and Water refer to the matrix in which reference samples were prepared.
Julian dates are for 1992. USEPA, U.S. Environmental Protection Agency;
mg/L, milligrams per liter; Std. dev., standard deviation; --, no data]

Station number	Julian date	Kjeldahl nitrogen concentration (mg/L)							
		Acid		Mercury		Water		All treatments	
		Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Average	Std. dev.
1	104	4.96	--	4.92	--	5.06	--	4.98	0.07
	105	4.92	--	4.91	--	4.85	--	4.89	.04
	109	4.8	--	5.0	--	5.2	--	5.0	.2
	112	4.87	5.00	4.80	4.98	4.94	4.83	4.90	.08
	114	4.7	--	4.9	--	4.6	--	4.8	.2
	125	4.9	5.1	4.9	4.9	5.0	5.2	5.0	.1
	139	5.1	4.9	5.2	5.3	5.2	4.9	5.1	.2
2	109	4.8	--	5.0	--	5.2	--	5.0	.2
	112	4.87	5.00	4.80	4.98	4.94	4.83	4.90	.08
	114	4.7	--	4.9	--	4.6	--	4.8	.2
	121	4.8	--	5.2	--	5.1	--	5.0	.2
	127	4.9	5.0	5.2	4.9	5.0	5.0	5.0	.1
	142	5.2	5.2	5.1	5.3	5.1	4.8	5.1	.2
3	112	4.87	5.00	4.80	4.98	4.94	4.83	4.90	.08
	115	4.9	5.1	4.9	4.8	4.9	4.8	4.9	.1
	119	4.7	--	4.5	--	4.8	--	4.7	.1
	127	4.9	5.0	5.2	4.9	5.0	5.0	5.0	.1
	134	5.09	--	5.13	--	5.16	--	5.13	.03
	148	5.1	5.3	4.9	4.9	5.3	5.4	5.2	.2
4	115	4.9	5.1	4.9	4.8	4.9	4.8	4.9	.1
	118	4.8	--	4.9	--	5.0	--	4.9	.1
	122	5.1	5.1	5.0	4.7	5.1	5.0	5.0	.2
	128	4.99	5.04	5.04	5.04	5.08	4.88	5.01	.07
	135	5.04	5.08	5.03	5.04	5.06	4.82	5.01	.09
	149	5.1	[1]6.280	5.2	4.8	5.1	5.1	5.1	.1
5	120	4.9	4.6	5.0	5.0	4.8	4.7	4.8	.1
	120	4.8	--	5.0	--	4.8	--	--	--
	122	5.1	5.1	5.0	4.7	5.1	5.0	5.0	.2
	127	4.9	5.0	5.2	4.9	5.0	5.0	5.0	.1
	133	4.98	5.06	5.12	5.00	4.99	5.13	5.05	.07
	141	4.9	--	5.2	--	4.9	--	5.0	.1
	155	4.9	5.3	4.9	4.9	5.0	5.1	5.0	.2
6	118	4.8	--	4.9	--	5.0	--	4.9	.1
	119	4.7	--	4.5	--	4.8	--	4.7	.1
	121	4.8	--	5.2	--	5.1	--	5.0	.2
	128	4.99	5.04	5.04	5.04	5.08	4.88	5.01	.07
	139	5.1	4.9	5.2	5.3	5.2	4.9	5.1	.2
	153	5.2	--	4.9	--	5.4	--	5.2	.2
7	122	5.1	5.1	5.0	4.7	5.1	5.0	5.0	.2
	125	5.1	4.9	4.9	4.9	5.2	5.0	5.0	.1
	129	4.8	4.9	4.9	5.0	4.9	5.2	5.0	.1
	134	5.09	--	5.13	--	5.16	--	5.13	.04
	142	5.2	5.2	5.1	5.3	5.1	4.8	5.1	.2
	156	4.9	--	4.7	--	5.1	--	4.9	.2

Table 122.--*Kjeldahl nitrogen concentration in reference samples (USEPA Nutrient Concentration 2) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Kjeldahl nitrogen concentration (mg/L)							
		Acid		Mercury		Water		All treatments	
		Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Average	Std. dev.
8	126	4.95	--	4.81	--	4.97	--	4.91	0.09
	129	4.8	4.9	4.9	5.0	4.9	5.2	5.0	.1
	133	4.98	5.06	5.12	5.00	4.99	5.13	5.05	.07
	141	4.9	--	5.2	--	4.9	--	5.0	.1
	148	5.1	5.3	4.9	4.9	5.3	5.4	5.2	.2
	162	5.1	--	4.8	--	5.2	--	5.1	.2
9	125	5.1	4.9	4.9	4.9	5.2	5.0	5.0	.1
	126	4.95	--	4.81	--	4.97	--	4.91	.09
	128	5.04	5.08	5.03	5.04	5.06	4.82	5.01	.09
	135	5.04	5.08	5.03	5.04	5.06	4.82	5.01	.09
	147	[1]6.787	5.0	5.0	5.2	5.2	5.2	5.1	.1
	161	5.1	--	4.8	--	4.9	--	4.9	.1
10	129	4.8	4.9	4.9	5.0	4.9	5.2	5.0	.1
	132	4.90	--	4.96	--	4.95	--	4.93	.03
	135	5.04	5.08	5.03	5.04	5.06	4.82	5.01	.09
	142	5.2	5.2	5.1	5.3	5.1	4.8	5.1	.2
	149	5.1	[1]6.280	5.2	4.8	5.1	5.1	5.1	.1
	163	4.9	--	4.9	--	5.1	--	5.0	.1
11	133	4.98	5.06	5.12	5.00	4.99	5.13	5.05	.07
	136	4.96	--	5.06	--	5.03	--	5.02	.05
	140	5.2	--	4.8	--	5.0	--	5.0	.2
	148	5.1	5.3	4.9	4.9	5.3	5.4	5.2	.2
	155	4.9	5.3	4.9	4.9	5.0	5.1	5.0	.2
	168	5.06	--	4.95	--	5.03	--	5.01	.06
12	136	4.96	--	5.06	--	5.03	--	5.02	.05
	139	5.1	4.9	5.2	5.3	5.2	4.9	5.1	.2
	143	4.9	4.8	5.1	4.9	5.0	5.0	5.0	.1
	149	5.1	[1]6.280	5.2	4.8	5.1	5.1	5.1	.1
	156	4.9	--	4.7	--	5.1	--	4.9	.2
	170	5.2	--	5.3	--	4.9	--	5.1	.2
13	140	5.2	--	4.8	--	5.0	--	5.0	.2
	143	4.9	4.8	5.1	4.9	5.0	5.0	5.0	.1
	147	[1]6.787	5.0	5.0	5.2	5.2	5.2	5.1	.1
	155	4.9	5.3	4.9	4.9	5.0	5.1	5.0	.2
	161	5.1	--	4.8	--	4.9	--	4.9	.1
	175	5.3	--	5.1	--	4.9	--	5.1	.2
14	143	4.9	4.8	5.1	4.9	5.0	5.0	5.0	.1
	147	[1]6.787	5.0	5.0	5.2	5.2	5.2	5.1	.1
	150	4.9	--	5.0	--	5.2	--	5.0	.2
	157	4.8	--	4.9	--	5.0	--	4.9	.1
	163	4.9	--	4.9	--	5.1	--	5.0	.1
	175	5.3	--	5.1	--	4.9	--	5.1	.2
15	148	5.1	5.3	4.9	4.9	5.3	5.4	5.2	.2
	150	4.9	--	5.0	--	5.2	--	5.0	.2
	153	5.2	--	4.9	--	5.4	--	5.2	.2
	157	4.8	--	4.9	--	5.0	--	4.9	.1
	168	5.06	--	4.95	--	5.03	--	5.01	.06
	181	5.0	--	5.2	--	5.0	--	5.1	.1

[1]Point was not used in calculation of average and standard deviation.

Table 123.--*Ammonia concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*

[The most probable concentration of ammonia in this reference sample is 1.98 ± 0.16 mg/L. Averages and standard deviations are the result of four replicate (within analysis) determinations. The headings Acid, Mercury, and Water refer to the matrix in which reference samples were prepared. Julian dates are for 1992. USEPA, U.S. Environmental Protection Agency; ±, plus or minus; mg/L, milligrams per liter; --, no data]

Station number	Julian date	Ammonia concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
1	104	2.035 ± 0.003	1.988 ± 0.004	1.978 ± 0.007
	109	1.989 ± 0.007	1.983 ± 0.003	1.976 ± 0.005
	112	1.991 ± 0.003	1.935 ± 0.004	1.991 ± 0.007
	114	1.989 ± 0.001	1.987 ± 0.008	2.01 ± 0.01
	125	2.102 ± 0.006	2.05 ± 0.01	2.051 ± 0.008
	139	2.075 ± 0.004	2.00 ± 0.01	1.98 ± 0.01
2	109	1.989 ± 0.007	1.983 ± 0.003	1.976 ± 0.005
	112	1.991 ± 0.003	1.935 ± 0.004	1.991 ± 0.007
	114	1.989 ± 0.001	1.987 ± 0.008	2.01 ± 0.01
	121	2.023 ± 0.005	2.027 ± 0.008	1.98 ± 0.03
	127	2.132 ± 0.003	2.02 ± 0.01	2.038 ± 0.007
	142	2.049 ± 0.004	2.08 ± 0.02	2.102 ± 0.005
3	112	1.991 ± 0.003	1.935 ± 0.004	1.991 ± 0.007
	115	1.985 ± 0.002	1.999 ± 0.003	1.995 ± 0.006
	119	2.009 ± 0.006	1.979 ± 0.009	2.003 ± 0.006
	127	2.132 ± 0.003	2.02 ± 0.01	2.038 ± 0.007
	134	1.986 ± 0.004	2.004 ± 0.004	2.01 ± 0.01
	148	2.01 ± 0.01	2.08 ± 0.01	2.097 ± 0.007
4	115	1.985 ± 0.002	1.999 ± 0.003	1.995 ± 0.006
	118	2.002 ± 0.008	1.995 ± 0.005	1.990 ± 0.007
	122	2.057 ± 0.006	1.956 ± 0.006	2.044 ± 0.006
	128	2.032 ± 0.002	1.90 ± 0.01	2.039 ± 0.007
	135	2.021 ± 0.007	2.003 ± 0.005	2.006 ± 0.009
	149	2.059 ± 0.004	2.072 ± 0.007	2.103 ± 0.006
5	121	2.023 ± 0.005	2.027 ± 0.008	1.98 ± 0.03
	122	2.057 ± 0.006	1.956 ± 0.006	2.044 ± 0.006
	127	2.132 ± 0.003	2.02 ± 0.01	2.038 ± 0.007
	133	2.049 ± 0.004	2.005 ± 0.000	2.02 ± 0.01
	141	2.10 ± 0.02	2.04 ± 0.03	2.024 ± 0.005
	155	1.977 ± 0.002	1.99 ± 0.01	2.022 ± 0.008
6	118	2.002 ± 0.008	1.995 ± 0.005	1.990 ± 0.007
	119	2.009 ± 0.006	1.979 ± 0.009	2.003 ± 0.006
	121	2.023 ± 0.005	2.027 ± 0.008	1.98 ± 0.03
	128	2.032 ± 0.002	1.90 ± 0.01	2.039 ± 0.007
	139	2.075 ± 0.004	2.00 ± 0.01	1.98 ± 0.01
	153	1.989 ± 0.004	1.992 ± 0.002	2.01 ± 0.02

Table 123.--*Ammonia concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Ammonia concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
7	122	2.057 ± 0.006	1.956 ± 0.006	2.044 ± 0.006
	125	2.102 ± 0.006	2.05 ± 0.01	2.051 ± 0.008
	129	2.17 ± 0.01	1.846 ± 0.006	2.043 ± 0.007
	134	1.986 ± 0.004	2.004 ± 0.004	2.01 ± 0.01
	142	2.049 ± 0.004	2.08 ± 0.02	2.102 ± 0.005
	156	2.009 ± 0.008	1.988 ± 0.005	2.03 ± 0.03
8	126	2.015 ± 0.001	2.002 ± 0.006	2.035 ± 0.002
	129	2.17 ± 0.01	1.846 ± 0.006	2.043 ± 0.007
	133	2.049 ± 0.004	2.005 ± 0.000	2.02 ± 0.01
	141	2.10 ± 0.02	2.03 ± 0.03	2.024 ± 0.005
	148	2.01 ± 0.01	2.08 ± 0.01	2.097 ± 0.007
	162	2.04 ± 0.03	2.002 ± 0.002	1.986 ± 0.005
9	125	2.102 ± 0.006	2.05 ± 0.01	2.051 ± 0.008
	126	2.015 ± 0.001	2.002 ± 0.006	2.035 ± 0.002
	128	2.032 ± 0.002	1.90 ± 0.01	2.039 ± 0.007
	135	2.021 ± 0.007	2.003 ± 0.005	2.006 ± 0.009
	147	2.039 ± 0.000	2.059 ± 0.001	2.092 ± 0.004
	161	1.97 ± 0.02	1.995 ± 0.003	1.998 ± 0.007
10	129	2.17 ± 0.01	1.846 ± 0.006	2.043 ± 0.007
	132	2.005 ± 0.005	2.001 ± 0.007	2.01 ± 0.01
	135	2.021 ± 0.007	2.003 ± 0.005	2.006 ± 0.009
	142	2.049 ± 0.004	2.08 ± 0.02	2.102 ± 0.005
	149	2.059 ± 0.004	2.072 ± 0.007	2.103 ± 0.006
	163	2.04 ± 0.01	2.05 ± 0.06	1.983 ± 0.004
11	133	2.049 ± 0.004	2.005 ± 0.000	2.02 ± 0.01
	136	--	2.078 ± .006	2.07 ± 0.02
	140	2.080 ± 0.005	2.02 ± 0.03	2.008 ± 0.004
	148	2.007 ± 0.003	2.08 ± 0.01	2.09 ± 0.01
	155	1.977 ± 0.002	1.99 ± 0.01	2.022 ± 0.008
	168	1.996 ± 0.005	1.993 ± 0.008	1.963 ± 0.004
12	136	--	2.078 ± 0.006	2.07 ± 0.02
	139	2.075 ± 0.004	2.00 ± 0.01	1.98 ± 0.01
	143	2.053 ± 0.005	2.069 ± 0.004	2.103 ± 0.002
	149	2.059 ± 0.004	2.072 ± 0.007	2.103 ± 0.006
	156	2.009 ± 0.008	1.988 ± 0.005	2.03 ± 0.03
	170	2.02 ± 0.02	1.99 ± 0.003	1.98 ± 0.008
13	140	2.080 ± 0.005	2.02 ± 0.03	2.009 ± 0.003
	143	2.053 ± 0.005	2.069 ± 0.004	2.103 ± 0.002
	147	2.039 ± 0.000	2.059 ± 0.001	2.092 ± 0.004
	155	1.977 ± 0.002	1.99 ± 0.01	2.022 ± 0.008
	161	1.97 ± 0.02	1.995 ± 0.003	1.998 ± 0.007
	175	2.001 ± 0.009	2.003 ± 0.004	1.969 ± 0.002

Table 123.--*Ammonia concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Ammonia concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
14	143	2.053 ± 0.005	2.069 ± 0.004	2.103 ± 0.002
	147	2.039 ± 0.000	2.059 ± 0.001	2.092 ± 0.004
	150	2.017 ± 0.006	2.062 ± 0.003	2.094 ± 0.008
	157	1.994 ± 0.006	2.00 ± 0.01	2.04 ± 0.01
	163	2.04 ± 0.01	2.05 ± 0.06	1.983 ± 0.004
	175	2.001 ± 0.009	2.003 ± 0.004	1.969 ± 0.002
15	148	2.007 ± 0.003	2.08 ± 0.01	2.097 ± 0.007
	150	2.017 ± 0.006	2.062 ± 0.003	2.094 ± 0.008
	153	1.989 ± 0.004	1.992 ± 0.002	2.01 ± 0.02
	157	1.994 ± 0.006	2.00 ± 0.01	2.04 ± 0.01
	168	1.996 ± 0.005	1.993 ± 0.008	1.963 ± 0.004
	181	2.02 ± 0.04	1.86 ± 0.03	1.985 ± 0.004

Table 124.--*Nitrate concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*

[The most probable concentration of nitrate in this reference sample is 1.99 ± 0.14 mg/L. Averages and standard deviations are the result of four replicate (within analysis) determinations. The headings Acid, Mercury, and Water refer to the matrix in which reference samples were prepared. Julian dates are for 1992. USEPA, U.S. Environmental Protection Agency; ±, plus or minus; mg/L, milligrams per liter; --, no data]

Station number	Julian date	Nitrate concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
1	104	2.15 ± 0.02	2.03 ± 0.02	2.04 ± 0.02
	109	2.10 ± 0.01	2.02 ± 0.01	2.06 ± 0.02
	112	2.14 ± 0.01	1.96 ± 0.01	2.05 ± 0.01
	114	2.08 ± 0.03	2.05 ± 0.01	2.01 ± 0.06
	125	2.09 ± .002	2.07 ± 0.01	2.00 ± 0.03
	139	2.20 ± 0.02	2.02 ± 0.01	2.04 ± 0.01
2	109	2.10 ± 0.01	2.02 ± 0.01	2.06 ± 0.02
	112	2.14 ± 0.01	1.96 ± 0.01	2.05 ± 0.01
	114	2.08 ± 0.03	2.05 ± 0.01	2.01 ± 0.06
	121	2.12 ± 0.01	2.09 ± 0.02	2.07 ± 0.03
	127	2.07 ± 0.03	2.06 ± 0.02	2.03 ± 0.02
	142	2.07 ± 0.01	2.10 ± 0.03	2.07 ± 0.01
3	112	2.14 ± 0.01	1.96 ± 0.01	2.05 ± 0.01
	115	2.04 ± 0.01	2.04 ± 0.01	2.00 ± 0.05
	119	2.14 ± 0.01	2.05 ± 0.02	2.03 ± 0.01
	127	2.07 ± 0.03	2.06 ± 0.02	2.03 ± 0.02
	134	2.14 ± 0.02	2.03 ± 0.01	2.07 ± 0.01
	148	2.13 ± 0.04	2.10 ± 0.01	2.10 ± 0.04
4	115	2.04 ± 0.01	2.04 ± 0.01	2.00 ± 0.05
	118	2.13 ± 0.01	2.04 ± 0.02	2.03 ± 0.02
	122	2.07 ± 0.02	2.10 ± 0.01	2.03 ± 0.02
	128	2.14 ± 0.01	2.11 ± 0.01	2.04 ± 0.01
	135	2.12 ± 0.04	2.02 ± 0.02	2.04 ± 0.01
	149	2.15 ± 0.00	2.11 ± 0.04	2.05 ± 0.03
5	121	2.12 ± 0.01	2.09 ± 0.02	2.07 ± 0.03
	122	2.07 ± 0.02	2.10 ± 0.01	2.03 ± 0.02
	127	2.07 ± 0.03	2.06 ± 0.02	2.03 ± 0.02
	133	2.06 ± 0.02	2.05 ± 0.02	2.05 ± 0.04
	141	2.11 ± 0.01	2.06 ± 0.05	2.05 ± 0.00
	155	2.16 ± 0.00	2.09 ± 0.01	2.07 ± 0.00
6	118	2.13 ± 0.01	2.04 ± 0.02	2.03 ± 0.02
	119	2.14 ± 0.01	2.05 ± 0.02	2.03 ± 0.01
	121	2.12 ± 0.01	2.09 ± 0.02	2.07 ± 0.03
	128	2.14 ± 0.01	2.11 ± 0.01	2.04 ± 0.01
	139	2.20 ± 0.02	2.02 ± 0.01	2.04 ± 0.01
	153	2.09 ± 0.01	2.18 ± 0.01	2.04 ± 0.00

Table 124.--*Nitrate concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Nitrate concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
7	122	2.07 ± 0.02	2.10 ± 0.01	2.03 ± 0.02
	125	2.09 ± 0.02	2.07 ± 0.01	2.00 ± 0.03
	129	2.06 ± 0.02	2.05 ± 0.05	2.06 ± 0.01
	134	2.14 ± 0.02	2.03 ± 0.01	2.07 ± 0.01
	142	2.07 ± 0.01	2.10 ± 0.03	2.07 ± 0.01
	156	2.16 ± 0.01	2.08 ± 0.00	2.08 ± 0.01
8	126	2.06 ± 0.01	2.10 ± 0.03	2.04 ± 0.01
	129	2.06 ± 0.02	2.05 ± 0.05	2.06 ± 0.01
	133	2.06 ± 0.02	2.05 ± 0.02	2.05 ± 0.04
	141	2.11 ± 0.01	2.10 ± 0.05	2.05 ± 0.00
	148	2.13 ± 0.04	2.10 ± 0.01	2.10 ± 0.04
	162	2.15 ± 0.02	2.08 ± 0.00	2.09 ± 0.01
9	125	2.09 ± 0.02	2.07 ± 0.01	2.00 ± 0.03
	126	2.06 ± 0.01	2.10 ± 0.03	2.04 ± 0.01
	128	2.14 ± 0.01	2.11 ± 0.01	2.04 ± 0.01
	135	2.12 ± 0.04	2.02 ± 0.02	2.04 ± 0.01
	147	2.12 ± 0.01	2.06 ± 0.03	2.07 ± 0.01
	161	1.99 ± 0.00	2.08 ± 0.01	2.11 ± 0.01
10	129	2.06 ± 0.02	2.05 ± 0.05	2.06 ± 0.01
	132	2.09 ± 0.03	2.02 ± 0.03	2.06 ± 0.01
	135	2.12 ± 0.04	2.02 ± 0.02	2.04 ± 0.01
	142	2.07 ± 0.01	2.10 ± 0.03	2.07 ± 0.01
	149	2.15 ± 0.00	2.11 ± 0.04	2.05 ± 0.03
	163	2.14 ± 0.01	2.10 ± 0.05	2.10 ± 0.01
11	133	2.06 ± 0.02	2.05 ± 0.02	2.05 ± 0.04
	136	--	2.06 ± 0.00	2.07 ± 0.01
	140	2.11 ± 0.02	2.03 ± 0.02	2.07 ± 0.01
	148	2.13 ± 0.04	2.10 ± 0.01	2.10 ± 0.04
	155	2.16 ± 0.00	2.09 ± 0.01	2.07 ± 0.00
	168	2.17 ± 0.01	2.09 ± 0.01	2.09 ± 0.01
12	136	--	2.06 ± 0.00	2.10 ± 0.01
	139	2.20 ± 0.02	2.02 ± 0.01	2.04 ± 0.01
	143	2.08 ± 0.01	2.07 ± 0.02	2.05 ± 0.01
	149	2.15 ± 0.00	2.11 ± 0.04	2.05 ± 0.03
	156	2.16 ± 0.01	2.08 ± 0.00	2.08 ± 0.01
	170	2.17 ± 0.01	2.10 ± 0.00	2.08 ± 0.00
13	140	2.11 ± 0.02	2.03 ± 0.02	2.07 ± 0.01
	143	2.08 ± 0.01	2.07 ± 0.02	2.05 ± 0.01
	147	2.12 ± 0.01	2.06 ± 0.03	2.07 ± 0.01
	155	2.16 ± 0.00	2.09 ± 0.01	2.07 ± 0.00
	161	1.99 ± 0.00	2.08 ± 0.01	2.11 ± 0.01
	175	2.14 ± 0.01	2.09 ± 0.00	2.08 ± 0.00

Table 124.--*Nitrate concentration in reference samples (USEPA Nutrient Concentration 1) determined concurrently with field samples analyzed for the nutrient preservation experiment*--Continued

Station number	Julian date	Nitrate concentration ± standard deviation (mg/L)		
		Acid	Mercury	Water
14	143	2.08 ± 0.01	2.07 ± 0.02	2.05 ± 0.01
	147	2.12 ± 0.01	2.06 ± 0.03	2.07 ± 0.01
	150	2.10 ± 0.00	2.14 ± 0.01	2.00 ± 0.00
	157	2.08 ± 0.01	2.08 ± 0.00	2.06 ± 0.00
	163	2.14 ± 0.01	2.10 ± 0.05	2.10 ± 0.01
	175	2.14 ± 0.01	2.09 ± 0.00	2.08 ± 0.00
15	148	2.13 ± 0.04	2.10 ± 0.01	2.10 ± 0.04
	150	2.10 ± 0.00	2.14 ± 0.01	2.00 ± 0.00
	153	2.09 ± 0.01	2.18 ± 0.01	2.04 ± 0.00
	157	2.08 ± 0.01	2.08 ± 0.00	2.06 ± 0.00
	168	2.17 ± 0.01	2.09 ± 0.01	2.09 ± 0.01
	181	2.17 ± 0.01	2.09 ± 0.00	2.08 ± 0.00

*U.S. GOVERNMENT PRINTING OFFICE: 1995-675-086/25062