QUALITY OF WATER IN THE UPPER YAZOO RIVER AND STEELE BAYOU BASINS, NORTHWESTERN MISSISSIPPI, MARCH 1990 THROUGH FEBRUARY 1991

By Larry J. Slack and Paul E. Grantham

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CONVERSION FACTORS AND ABBREVIATED WATER-QUALITY UNITS

Multiply	By	To obtain
micrometer (µm)	39.37×10^{-6}	inch
degree Celsius (°C)	°F = 9/5 (°C) + 32	degree Fahrenheit (°F)

µS/cm	microsiemens per centimeter at 25 °C
µg/L	microgram per liter
mg/L	milligram per liter

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ABSTRACT

From March 1990 through February 1991, the U.S. Geological Survey, in cooperation with the U.S. Army Engineer, made field measurements and collected water-quality samples at 58 sites in the upper Yazoo River and Steele Bayou study areas in northwestern Mississippi. This report summarizes the water-quality data and the analytical procedures used by the U.S. Geological Survey in collecting those data.

INTRODUCTION

Flood control measures in the upper Yazoo River and Steele Bayou drainage basins in northwestern Mississippi have been proposed by the U.S. Army Engineer (USAE), Vicksburg District. The USAE is conducting a detailed evaluation of potential effects of the proposed project on water quality. The USAE Waterways Experiment Station (WES) requested the U.S. Geological Survey (USGS) to assist in obtaining additional information necessary for the successful completion of water-quality studies in the upper Yazoo River and Steele Bayou study areas.

From March 1990 through February 1991, the USGS, in cooperation with WES, made field measurements and collected water-quality samples in the upper Yazoo River and Steele Bayou study areas. This report summarizes the water-quality data and analytical procedures used by the USGS in collecting those data.

STUDY AREA

The locations of the upper Yazoo River and Steele Bayou study areas and the sites at which the water-quality data were collected are shown in figure 1. Site numbers and corresponding station numbers (downstream order or latitude-longitude) and station names for the 58 sites are listed in table 1.

ANALYTICAL PROCEDURES

Temperature, specific conductance, pH, and dissolved-oxygen determinations were made onsite. Unfiltered (whole-water) samples were collected for "total" constituents and filtered samples were collected for "dissolved" constituents. Samples were preserved with mercuric chloride, chilled, and shipped in ice to the U.S. Geological Survey Quality of Water Service Unit in Ocala, Fla., for nutrient determinations (dissolved: nitrite plus nitrate, as nitrogen; phosphorus; and total: ammonia, as nitrogen; ammonia plus organic nitrogen, as nitrogen; phosphorus; and organic carbon).

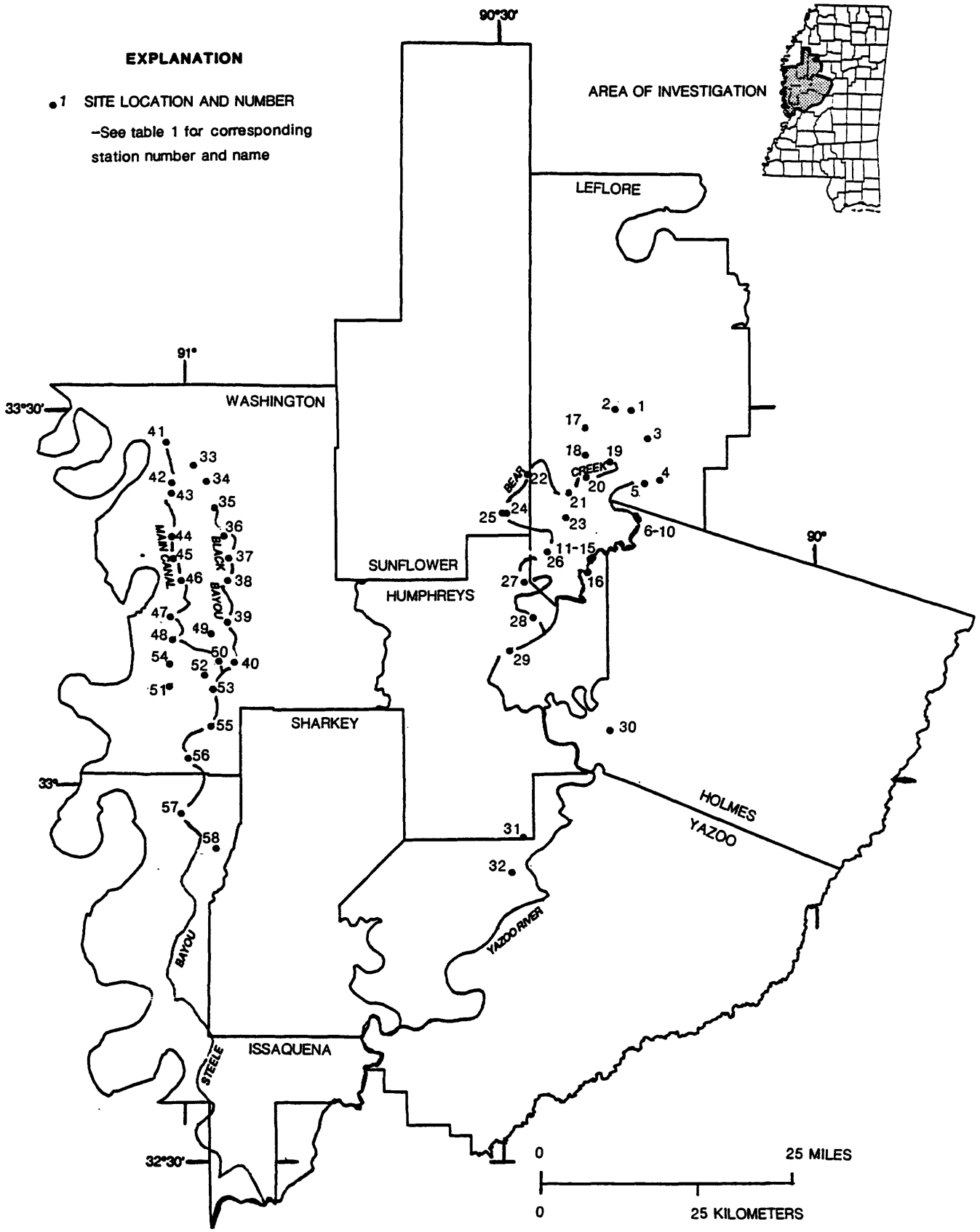

Figure 1.--Location of sampling sites.

RESULTS

Results of field determinations of specific conductance, pH, temperature, and dissolved oxygen at the 58 sites are listed in table 2. Specific conductance values ranged from 43 to 950 µS/cm; the median conductance value was 80 µS/cm. The pH values ranged from 6.1 to 9.1; the median pH value was 6.9. Temperature ranged from 7.0 to 34.5 °C; the median temperature was 23.5 °C. Dissolved-oxygen concentrations ranged from 0.0 to 18.5 mg/L; the median dissolved-oxygen concentration was 6.3 mg/L.

Results of nutrient analyses of samples collected at the 58 sites are presented in table 3. Dissolved nitrite plus nitrate concentrations, as nitrogen, ranged from less than 0.02 to 2.7 mg/L; the median nitrite plus nitrate concentration was 0.35 mg/L. Total ammonia, as nitrogen, concentrations ranged from less than 0.01 to 1.7 mg/L; the median ammonia concentration was 0.08 mg/L. Total organic nitrogen concentrations ranged from 0.33 to 10 mg/L; the median total organic nitrogen concentration was 1.3 mg/L.

Total phosphorus concentrations ranged from 0.07 to 1.8 mg/L; the median total phosphorus concentration was 0.32 mg/L. Dissolved phosphorus concentrations ranged from 0.01 to 1.1 mg/L; the median dissolved phosphorus concentration was 0.08 mg/L. Total organic carbon concentrations ranged from 1.8 to 11 mg/L; the median total organic carbon concentration was 5.1 mg/L.

Results of pesticide analyses of samples collected at six sites are presented in table 4. Because all the data for table 4 are listed on a single page, the information is not summarized separately.

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Table 1. Summary of site information

Site number [see fig. 1]	Station number	Station name
1	332939090173135	ROEBUCK LAKE NR ITTA BENA
2	332945090190235	ROEBUCK LAKE AT ITTA BENA
3	332720090160035	ROEBUCK LAKE NR QUITO
4	332406090145200	ALLIGATOR BAYOU NR SIDON
5	07287120	YAZOO RIVER NR SHELL BLUFF
6	332114090170800	YAZOO RIVER AT MILE 143.6
7	332109090170500	YAZOO RIVER AT MILE 143.5
8	332104090170200	YAZOO RIVER AT MILE 143.4
9	332100090165900	YAZOO RIVER AT MILE 143.3
10	332055090165600	YAZOO RIVER AT MILE 143.2
11	331754090211300	YAZOO RIVER AT MILE 133.8
12	331752090211900	YAZOO RIVER AT MILE 133.7
13	331748090213100	YAZOO RIVER AT MILE 133.6
14	331745090212900	YAZOO RIVER AT MILE 133.5
15	331739090212900	YAZOO RIVER AT MILE 133.4
16	07287163	YAZOO RIVER NR SWIFTOWN
17	07287175	BLUE LAKE AT BERCLAIR
18	07287180	BLUE LAKE NR QUITO
19	07287185	BEAR CREEK NR QUITO
20	07287195	BEAR CREEK NR MORGAN CITY
21	07287205	BEAR CREEK NR COLONY TOWN
22	07287215	BEAR CREEK NR MOORHEAD
23	07287220	MOSSY LAKE NR SWIFTOWN
24	07287225	MACON LAKE NR SWIFTOWN
25	07287230	THREEMILE LAKE NR SWIFTOWN
26	07287240	BEAR CREEK AT SWIFTOWN
27	07287250	SKY LAKE NR JAKETOWN
28	07287260	WASP LAKE NR BELZONI
29	07287300	YAZOO RIVER AT BELZONI
30	330359090194135	BEE LAKE NR THORNTON
31	325531090280335	WOLF LAKE NR LAKE CITY
32	325240090291035	BROAD LAKE NR YAZOO CITY
33	332521090591800	FISH LAKE NR METCALFE
34	07288815	RED BRIDGE BAYOU NR LELAND
35	332158090571600	BLACK BAYOU CANAL NR BURDETTE
36	331941090562400	BLACK BAYOU NR BURDETTE
37	331754090555500	BLACK BAYOU NORTHWEST OF ARCOLA
38	07288820	BLACK BAYOU NR ARCOLA
39	07288825	BLACK BAYOU NR ESTILL
40	07288830	BLACK BAYOU NR HOLLANDALE
41	332711091015500	MAIN CANAL AT METCALFE
42	332358091012300	MAIN CANAL AT GREENVILLE
43	07288834	MAIN CANAL NR SWIFTWATER
44	331938091012300	MAIN CANAL EAST OF SWIFTWATER
45	331753091011400	MAIN CANAL SOUTHEAST OF SWIFTWATER

Table 1. Summary of site information--Continued

Site number [see fig. 1]	Station number	Station name
46	07288838	MAIN CANAL NR WAYSIDE
47	331312091013200	GRANICUS BAYOU NR AVON
48	331122091011800	GRANICUS BAYOU NR JAMES
49	331150090573600	UNNAMED DITCH NR JAMES
50	07288842	GRANICUS BAYOU NR HOLLANDALE
51	330735091013700	DITCH NO 14 NR ERWIN
52	330830090581600	SWAN LAKE TRIBUTARY NR PERCY
53	07288843	BLACK BAYOU NR PERCY
54	07288844	GRANNY BAKER BAYOU NR JAMES
55	330426090573900	STEELE BAYOU NR PANTHER BURN
56	07288847	STEELE BAYOU NR GLEN ALLAN
57	07288860	STEELE BAYOU NR GRACE
58	07288870	STEELE BAYOU EAST PRONG NR ROLLING FORK

Table 2. Field measurements at selected sites

[ft, feet; µS/cm, microsiemens per centimeter at 25 °C; °C, degrees Celsius; mg/L, milligrams per liter; dashes indicate no data. Order: site number, station number, station name]

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
1 - 332939090173135 - ROEBUCK LAKE NR ITTA BENA					
MAY 1990					
31...	--	61	7.0	23.0	5.1
2 - 332945090190235 - ROEBUCK LAKE AT ITTA BENA					
MAY 1990					
31...	1.00	66	7.0	23.5	6.9
31...	7.00	69	6.8	23.5	3.0
3 - 332720090160035 - ROEBUCK LAKE NR QUITO					
MAY 1990					
31...	1.00	66	6.8	24.0	6.8
31...	3.00	66	6.8	24.0	5.9
4 - 332406090145200 - ALLIGATOR BAYOU NR SIDON					
MAY 1990					
31...	1.00	103	6.8	23.5	6.1
31...	9.00	104	6.8	24.0	5.6
5 - 07287120 - YAZOO RIVER NR SHELL BLUFF					
APR 1990					
18...	--	65	6.5	16.5	8.4
OCT					
11...	--	101	6.8	20.5	7.2

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
6 - 332114090170800 - YAZOO RIVER AT MILE 143.6					
MAR 1990					
22...	1.00	51	6.8	14.5	8.5
22...	5.00	51	6.8	14.5	8.5
22...	10.0	52	6.8	14.5	8.5
22...	15.0	52	6.8	14.5	8.5
22...	20.0	52	6.8	14.5	8.5
22...	25.0	52	6.8	14.5	8.4
22...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.3	24.0	5.1
29...	10.0	62	6.2	24.0	5.0
29...	15.0	62	6.4	24.0	5.0
29...	20.0	62	6.3	24.0	5.1
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	20.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
01...	18.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
7 - 332109090170500 - YAZOO RIVER AT MILE 143.5					
MAR 1990					
22...	1.00	52	6.8	14.5	8.5
22...	5.00	52	6.8	14.5	8.5
22...	10.0	51	6.8	14.5	8.5
22...	15.0	51	6.8	14.5	8.5
22...	20.0	52	6.8	14.5	8.5
22...	25.0	52	6.8	14.5	8.4
22...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.4	24.0	5.0
29...	10.0	62	6.3	24.0	5.1
29...	15.0	62	6.3	24.0	5.1
29...	20.0	62	6.2	24.0	5.0
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
26...	19.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	19.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
01...	18.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
8 - 332104090170200 - YAZOO RIVER AT MILE 143.4					
MAR 1990					
22...	1.00	51	6.8	14.5	8.5
22...	5.00	52	6.8	14.5	8.5
22...	10.0	52	6.8	14.5	8.4
22...	15.0	52	6.8	14.5	8.5
22...	20.0	52	6.8	14.5	8.5
22...	25.0	51	6.8	14.5	8.5
22...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.3	24.0	5.1
29...	10.0	62	6.4	24.0	5.0
29...	15.0	62	6.2	24.0	5.1
29...	20.0	62	6.3	24.0	5.0
29...	25.0	62	6.3	24.0	5.1
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	18.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
01...	16.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
9 - 332100090165900 - YAZOO RIVER AT MILE 143.3					
MAR 1990					
22...	1.00	52	6.8	14.5	8.5
22...	5.00	52	6.8	14.5	8.4
22...	10.0	52	6.8	14.5	8.5
22...	15.0	51	6.8	14.5	8.5
22...	20.0	51	6.8	14.5	8.5
22...	25.0	52	6.8	14.5	8.5
22...	30.0	51	6.8	14.5	8.4
MAY					
29...	1.00	62	6.3	24.0	5.1
29...	5.00	62	6.2	24.0	5.0
29...	10.0	62	6.3	24.0	5.1
29...	15.0	62	6.3	24.0	5.0
29...	20.0	62	6.4	24.0	5.1
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	17.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
01...	16.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
10 - 332055090165600 - YAZOO RIVER AT MILE 143.2					
MAR 1990					
22...	1.00	51	6.8	14.5	8.5
22...	5.00	52	6.8	14.5	8.5
22...	10.0	52	6.8	14.5	8.5
22...	15.0	52	6.8	14.5	8.4
22...	20.0	52	6.8	14.5	8.5
22...	25.0	51	6.8	14.5	8.5
22...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.3	24.0	5.1
29...	10.0	62	6.2	24.0	5.0
29...	15.0	62	6.4	24.0	5.0
29...	20.0	62	6.3	24.0	5.1
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	17.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
11 - 331754090211300 - YAZOO RIVER AT MILE 133.8					
MAR 1990					
21...	1.00	51	6.8	14.5	8.5
21...	5.00	52	6.8	14.5	8.5
21...	10.0	52	6.8	14.5	8.5
21...	15.0	52	6.8	14.5	8.3
21...	20.0	52	6.8	14.5	8.5
21...	25.0	52	6.8	14.5	8.5
21...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.3	24.0	5.1
29...	10.0	62	6.2	24.0	5.0
29...	15.0	62	6.4	24.0	5.0
29...	20.0	62	6.3	24.0	5.1
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	12.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	13.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	12.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
12 - 331752090211900 - YAZOO RIVER AT MILE 133.7					
MAR 1990					
21...	1.00	52	6.8	14.5	8.5
21...	5.00	52	6.8	14.5	8.4
21...	10.0	52	6.8	14.5	8.5
21...	15.0	51	6.8	14.5	8.5
21...	20.0	51	6.8	14.5	8.5
21...	25.0	52	6.8	14.5	8.5
21...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.1
29...	5.00	62	6.2	24.0	5.0
29...	10.0	62	6.3	24.0	5.1
29...	15.0	62	6.3	24.0	5.0
29...	20.0	62	6.4	24.0	5.1
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
26...	20.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	20.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
01...	17.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
13 - 331748090213100 - YAZOO RIVER AT MILE 133.6					
MAR 1990					
21...	1.00	52	6.8	14.5	8.5
21...	5.00	51	6.8	14.5	8.5
21...	10.0	52	6.8	14.5	8.5
21...	15.0	52	6.8	14.5	8.4
21...	20.0	52	6.8	14.5	8.5
21...	25.0	51	6.8	14.5	8.5
21...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.3	24.0	5.1
29...	10.0	62	6.4	24.0	5.0
29...	15.0	62	6.2	24.0	5.1
29...	20.0	62	6.3	24.0	5.0
29...	25.0	62	6.3	24.0	5.1
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
26...	18.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	18.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	12.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
14 - 331745090212900 - YAZOO RIVER AT MILE 133.5					
MAR 1990					
21...	1.00	52	6.8	14.5	8.5
21...	5.00	52	6.8	14.5	8.5
21...	10.0	51	6.8	14.5	8.5
21...	15.0	51	6.8	14.5	8.5
21...	20.0	52	6.8	14.5	8.5
21...	25.0	52	6.8	14.5	8.4
21...	30.0	51	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.4	24.0	5.0
29...	10.0	62	6.3	24.0	5.1
29...	15.0	62	6.3	24.0	5.1
29...	20.0	62	6.2	24.0	5.0
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
26...	20.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	20.0	83	7.0	29.0	6.0
10...	22.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
01...	18.0	69	--	16.5	8.8

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
15 - 331739090212900 - YAZOO RIVER AT MILE 133.4					
MAR 1990					
21...	1.00	51	6.8	14.5	8.5
21...	5.00	51	6.8	14.5	8.5
21...	10.0	52	6.8	14.5	8.5
21...	15.0	52	6.8	14.5	8.5
21...	20.0	52	6.8	14.5	8.3
21...	25.0	52	6.8	14.5	8.5
21...	30.0	52	6.8	14.5	8.5
MAY					
29...	1.00	62	6.3	24.0	5.0
29...	5.00	62	6.3	24.0	5.1
29...	10.0	62	6.2	24.0	5.0
29...	15.0	62	6.4	24.0	5.0
29...	20.0	62	6.3	24.0	5.1
29...	25.0	62	6.3	24.0	5.0
JUL					
26...	1.00	80	6.8	28.5	5.8
26...	5.00	80	6.8	28.5	5.8
26...	10.0	80	6.8	28.5	5.8
26...	15.0	80	6.8	28.5	5.8
26...	20.0	80	6.8	28.5	5.8
SEP					
10...	1.00	83	7.0	29.0	6.0
10...	5.00	83	7.0	29.0	6.0
10...	10.0	83	7.0	29.0	6.0
10...	15.0	83	7.0	29.0	6.0
10...	19.0	83	7.0	29.0	6.0
NOV					
01...	1.00	69	--	16.5	8.8
01...	5.00	69	--	16.5	8.8
01...	10.0	69	--	16.5	8.8
01...	15.0	69	--	16.5	8.8
16 - 07287163 - YAZOO RIVER NR SWIFTOWN					
APR 1990					
18...	--	68	6.9	17.0	7.4
OCT					
10...	--	80	6.2	22.0	7.4

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
17 - 7287175 - BLUE LAKE AT BERCLAIR					
APR 1990					
18...	1.00	68	7.0	17.5	4.6
18...	15.0	90	6.9	15.0	2.0
18...	20.0	115	6.9	14.5	0.4
JUN					
07...	1.00	76	7.8	29.0	12.0
07...	16.0	181	6.8	19.0	0.4
AUG					
29...	1.00	102	6.8	32.0	7.5
29...	5.00	115	6.7	31.0	6.0
29...	12.0	186	6.6	27.0	0.0
OCT					
11...	1.00	96	6.4	19.5	2.8
11...	12.0	96	6.3	20.5	1.8
18 - 07287180 - BLUE LAKE NR QUITO					
APR 1990					
18...	--	72	7.0	14.5	3.3
JUN					
07...	--	81	6.7	28.0	3.3
AUG					
29...	--	92	7.2	27.0	1.0
OCT					
11...	--	99	6.5	13.0	1.8
19 - 07287185 - BEAR CREEK NR QUITO					
APR 1990					
18...	--	65	7.1	14.0	5.2
JUN					
07...	--	76	6.5	28.0	5.2
20 - 07287195 - BEAR CREEK NR MORGAN CITY					
APR 1990					
18...	--	63	7.3	15.0	5.3
JUN					
07...	--	75	7.0	29.0	6.0
AUG					
29...	--	345	7.2	28.5	2.5
OCT					
11...	--	228	7.0	14.5	3.4
21 - 07287205 - BEAR CREEK NR COLONY TOWN					
APR 1990					
17...	--	63	7.1	16.5	8.4

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
22 - 07287215 - BEAR CREEK NR MOORHEAD					
APR 1990					
18...	--	88	7.3	13.0	4.2
JUN					
07...	--	81	6.8	30.0	6.3
AUG					
29...	--	360	7.4	30.0	3.0
OCT					
10...	--	282	6.8	18.0	4.6
23 - 07287220 - MOSSY LAKE NR SWIFTOWN					
APR 1990					
17...	--	50	7.4	16.5	6.7
JUN					
07...	1.00	76	6.8	27.0	6.2
07...	10.0	93	6.6	24.5	1.7
AUG					
29...	1.00	179	7.2	32.0	5.9
29...	7.00	205	7.2	29.5	0.1
OCT					
10...	1.00	193	6.6	20.5	7.2
10...	7.00	193	6.8	20.5	6.5
24 - 07287225 - MACON LAKE NR SWIFTOWN					
APR 1990					
17...	--	43	7.5	18.0	8.5
JUN					
07...	1.00	50	7.0	29.0	8.1
07...	9.00	60	6.2	23.5	0.3
AUG					
29...	1.00	51	7.6	31.5	8.9
29...	5.00	51	7.6	31.0	5.4
OCT					
10...	1.00	44	6.5	21.5	6.5
10...	7.00	43	6.4	21.0	5.8
25 - 07287230 - THREEMILE LAKE NR SWIFTOWN					
APR 1990					
17...	--	80	7.1	17.5	5.3
JUN					
07...	1.00	74	6.2	27.0	5.2
07...	3.00	74	6.2	27.0	5.2
AUG					
29...	--	323	7.4	31.0	3.6
OCT					
10...	--	242	6.9	17.5	6.4

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
26 - 07287240 - BEAR CREEK AT SWIFTOWN					
APR 1990					
17...	--	66	7.0	17.0	5.0
JUN					
07...	1.00	74	6.4	27.0	6.6
07...	5.00	75	6.4	26.0	4.1
AUG					
29...	--	149	7.4	31.0	5.2
OCT					
10...	--	157	6.5	18.5	7.2
27 - 07287250 - SKY LAKE NR JAKETOWN					
APR 1990					
17...	--	80	7.0	17.5	6.3
JUN					
07...	1.00	85	6.3	26.0	5.4
07...	7.00	87	6.2	24.5	0.9
AUG					
29...	1.00	111	7.2	31.0	4.7
29...	3.00	111	7.1	31.0	3.3
OCT					
10...	1.00	108	6.5	20.5	5.5
10...	3.00	108	6.5	20.5	4.6
28 - 07287260 - WASP LAKE NR BELZONI					
APR 1990					
17...	1.00	70	7.0	20.0	7.9
17...	10.0	74	7.0	16.5	4.7
JUN					
07...	1.00	78	6.1	28.5	8.3
07...	7.00	80	6.1	24.0	0.5
AUG					
29...	1.00	99	7.4	31.5	6.7
29...	5.00	105	7.0	31.0	0.9
OCT					
10...	1.00	90	6.5	20.5	7.4
10...	5.00	90	6.5	21.5	6.5
29 - 07287300 - YAZOO RIVER AT BELZONI					
APR 1990					
17...	--	69	7.5	16.5	7.6
OCT					
10...	1.00	88	7.4	22.0	7.1
10...	5.00	87	7.2	22.0	6.7
30 - 330359090194135 - BEE LAKE NR THORNTON					
MAY 1990					
31...	1.00	69	7.0	23.5	6.7
31...	9.00	76	7.1	23.0	1.4

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
31 - 325531090280335 - WOLF LAKE NR LAKE CITY					
MAY 1990					
31...	1.00	121	7.5	23.5	5.2
31...	11.0	128	7.2	22.5	0.3
32 - 325240090291035 - BROAD LAKE NR YAZOO CITY					
MAY 1990					
31...	1.00	100	7.2	22.5	4.7
31...	4.00	95	7.4	22.5	3.4
33 - 332521090591800 - FISH LAKE NR METCALFE					
JUN 1990					
28...	--	450	8.2	32.5	8.0
34 - 07288815 - RED BRIDGE BAYOU NR LELAND					
MAR 1990					
08...	--	192	6.8	14.5	8.7
APR					
19...	--	304	7.8	16.5	8.3
MAY					
25...	--	231	7.0	23.5	6.1
JUN					
28...	--	381	8.2	33.0	7.6
JUL					
25...	--	493	8.4	28.5	12.0
OCT					
24...	--	254	7.1	11.5	4.1
NOV					
29...	--	139	7.0	12.0	5.5
DEC					
19...	--	114	7.1	13.0	6.5
JAN 1991					
11...	--	57	6.8	9.5	8.8
FEB					
13...	--	203	7.5	12.0	7.6
35 - 332158090571600 - BLACK BAYOU CANAL NR BURDETTE					
JUN 1990					
28...	--	362	8.1	34.0	8.5
JAN 1991					
11...	--	60	6.8	9.5	9.7
36 - 331941090562400 - BLACK BAYOU NR BURDETTE					
JUN 1990					
28...	--	404	7.8	31.5	5.5
JAN 1991					
11...	--	77	7.0	9.5	9.5

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
37 - 331754090555500 - BLACK BAYOU NORTHWEST OF ARCOLA					
JUN 1990					
28...	--	615	8.3	34.0	8.6
JAN 1991					
11...	--	85	7.0	10.0	9.4
38 - 07288820 - BLACK BAYOU NR ARCOLA					
MAR 1990					
07...	--	225	7.8	15.5	9.0
APR					
19...	--	286	7.7	20.5	8.5
MAY					
24...	--	220	7.5	27.0	6.5
JUN					
28...	--	600	8.4	34.5	11.2
JUL					
24...	--	557	8.2	31.0	8.9
AUG					
27...	--	640	8.4	33.0	16.6
SEP					
18...	--	651	8.0	29.5	8.9
OCT					
24...	--	699	8.2	12.5	9.0
NOV					
29...	--	185	7.2	13.0	6.2
DEC					
19...	--	176	7.2	14.0	6.6
JAN 1991					
11...	--	94	7.2	10.0	9.5
FEB					
13...	--	277	7.8	12.0	9.2

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
39 - 07288825 - BLACK BAYOU NR ESTILL					
MAR 1990					
07...	--	219	7.6	15.0	8.4
APR					
19...	--	253	7.9	20.0	8.1
MAY					
24...	--	246	7.2	25.0	5.8
JUN					
27...	--	380	--	26.0	9.4
JUL					
24...	--	537	8.0	31.0	10.1
AUG					
27...	--	759	8.4	32.5	11.2
SEP					
18...	--	614	7.9	29.0	6.9
OCT					
23...	--	455	8.4	20.5	11.2
NOV					
28...	--	529	8.2	18.0	10.6
DEC					
18...	--	248	7.4	16.0	6.6
FEB 1991					
12...	--	235	7.7	13.0	10.2
40 - 07288830 - BLACK BAYOU NR HOLLANDALE					
MAR 1990					
07...	--	197	7.6	15.0	8.5
APR					
19...	--	215	7.4	20.5	6.8
MAY					
24...	--	246	7.0	25.0	5.1
JUN					
27...	--	450	--	23.0	6.4
JUL					
24...	--	606	8.1	30.0	8.5
AUG					
27...	--	773	8.4	32.0	10.4
SEP					
18...	--	605	7.6	28.0	6.0
OCT					
23...	--	490	8.2	18.0	10.4
NOV					
28...	--	444	7.6	17.0	6.1
DEC					
18...	--	508	7.7	16.5	7.1
FEB 1991					
12...	--	215	7.6	12.0	9.3

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
41 - 332711091015500 - MAIN CANAL AT METCALFE					
JUN 1990					
28...	--	505	7.5	28.0	3.7
JAN 1991					
11...	--	85	6.9	11.0	9.8
42 - 332358091012300 - MAIN CANAL AT GREENVILLE					
JUN 1990					
28...	--	533	7.8	27.0	8.6
JAN 1991					
11...	--	137	6.8	10.0	9.4
43 - 07288834 - MAIN CANAL NR SWIFTWATER					
MAR 1990					
08...	--	98	7.4	14.0	8.9
APR					
19...	--	447	7.8	18.5	8.0
MAY					
24...	--	329	7.4	26.0	7.3
JUN					
28...	--	553	8.4	29.0	13.0
JUL					
25...	--	298	--	27.5	4.2
AUG					
28...	--	646	8.1	25.5	5.7
SEP					
19...	--	642	8.0	24.0	4.8
OCT					
23...	--	433	9.1	23.5	18.5
NOV					
29...	--	208	7.3	12.0	7.0
DEC					
19...	--	176	7.3	12.0	7.6
JAN 1991					
11...	--	141	7.1	10.0	9.1
FEB					
13...	--	432	7.8	12.5	8.3
44 - 331938091012300 - MAIN CANAL EAST OF SWIFTWATER					
JUN 1990					
28...	--	480	8.3	29.5	5.7
JAN 1991					
11...	--	116	6.9	10.0	8.9

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
45 - 331753091011400 - MAIN CANAL SOUTHEAST OF SWIFTWATER					
JUN 1990					
28...	--	524	8.1	31.0	9.0
JAN 1991					
11...	--	107	7.0	10.5	8.3
46 - 07288838 - MAIN CANAL NR WAYSIDE					
MAR 1990					
08...	--	152	7.2	14.0	8.4
APR					
19...	--	434	7.8	19.0	7.2
MAY					
24...	--	305	7.6	24.5	6.8
JUN					
28...	--	527	8.1	29.5	6.6
JUL					
24...	--	278	7.9	30.0	8.0
AUG					
27...	--	578	8.5	32.0	12.0
SEP					
18...	--	422	8.2	29.5	8.8
OCT					
24...	--	346	7.9	14.0	7.0
NOV					
29...	--	238	7.2	13.0	5.0
DEC					
19...	--	158	7.1	13.0	6.6
JAN 1991					
11...	--	109	7.1	10.0	9.3
FEB					
13...	--	398	7.7	12.0	8.6
47 - 331312091013200 - GRANICUS BAYOU NR AVON					
JUN 1990					
28...	--	477	8.2	31.0	10.3
JAN 1991					
12...	--	--	7.1	8.5	9.3
48 - 331122091011800 - GRANICUS BAYOU NR JAMES					
JUN 1990					
28...	--	478	8.0	30.5	6.9
49 - 331150090573600 - UNNAMED DITCH NR JAMES					
JUN 1990					
29...	--	560	7.8	26.5	5.1
JAN 1991					
12...	--	215	7.2	8.0	8.7

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
50 - 07288842 - GRANICUS BAYOU NR HOLLANDALE					
MAR 1990					
07...	--	240	7.6	15.0	9.5
APR					
19...	--	227	7.9	20.5	9.6
MAY					
24...	--	145	6.9	25.0	5.8
JUN					
29...	--	704	7.9	27.5	5.5
JUL					
24...	--	741	7.9	28.5	6.1
AUG					
27...	--	945	8.2	28.5	7.7
SEP					
18...	--	818	7.6	27.0	6.2
OCT					
23...	--	686	8.0	18.0	10.2
NOV					
28...	--	575	7.7	17.0	7.5
DEC					
18...	--	494	7.6	16.0	7.0
JAN 1991					
12...	--	158	7.2	8.5	9.8
FEB					
12...	--	185	7.4	12.0	9.4
51 - 330735091013700 - DITCH NO 14 NR ERWIN					
JUN 1990					
29...	--	603	8.0	30.0	9.0
JUL					
24...	--	512	8.3	31.0	10.9
JAN 1991					
12...	--	119	7.3	7.0	9.9
52 - 330830090581600 - SWAN LAKE TRIBUTARY NR PERCY					
JUN 1990					
29...	--	236	7.4	28.0	1.6
JUL					
24...	--	450	7.8	26.5	6.0
JAN 1991					
12...	--	166	7.3	8.0	8.2

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
53 - 07288843 - BLACK BAYOU NR PERCY					
MAR 1990					
07...	--	167	7.4	15.5	8.2
APR					
20...	--	233	7.9	19.5	7.1
MAY					
24...	--	209	7.2	22.0	5.8
JUN					
28...	--	560	--	22.5	4.7
JUL					
24...	--	623	8.0	27.5	6.6
AUG					
27...	--	778	8.2	30.0	6.4
SEP					
18...	--	610	7.7	25.5	5.5
OCT					
23...	--	950	8.3	15.5	6.8
NOV					
28...	--	470	7.6	17.0	6.9
DEC					
18...	--	442	7.7	16.5	6.6
FEB 1991					
12...	--	196	7.6	11.0	9.3
54 - 07288844 - GRANNY BAKER BAYOU NR JAMES					
MAR 1990					
08...	--	138	7.4	14.5	9.1
APR					
20...	--	338	7.6	19.5	6.3
MAY					
24...	--	241	7.0	23.5	5.0
JUN					
29...	--	373	7.9	29.5	6.0
JUL					
24...	--	393	7.8	29.0	3.9
AUG					
27...	--	582	8.2	30.0	4.4
SEP					
18...	--	312	7.4	27.0	2.2
OCT					
23...	--	222	7.5	15.5	5.2
NOV					
28...	--	239	7.6	18.0	7.5
DEC					
18...	--	432	7.6	16.0	5.7
FEB 1991					
12...	--	150	6.8	12.0	6.2

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
55 - 330426090573900 - STEELE BAYOU NR PANTHER BURN					
JUN 1990					
29...	--	521	8.2	32.0	10.3
JAN 1991					
12...	--	121	7.1	8.5	9.3
56 - 07288847 - STEELE BAYOU NR GLEN ALLAN					
MAR 1990					
07...	--	124	6.9	14.5	7.5
APR					
20...	--	215	7.2	19.0	6.2
MAY					
24...	--	169	6.6	22.0	5.1
JUN					
27...	--	450	--	27.5	16.1
JUL					
24...	--	566	7.6	29.5	4.8
AUG					
27...	--	822	7.9	33.0	4.2
SEP					
18...	--	582	7.4	27.5	4.2
OCT					
23...	--	352	7.5	16.0	5.6
NOV					
28...	--	353	7.5	18.0	7.6
DEC					
18...	--	369	7.8	16.0	7.9
FEB 1991					
12...	--	175	7.2	12.0	7.3
57 - 07288860 - STEELE BAYOU NR GRACE					
JUN 1990					
29...	--	413	7.9	30.5	7.7

Table 2. Field measurements at selected sites--Continued

Date	Sampling depth (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Oxygen, dissolved (mg/L)
58 - 07288870 - STEELE BAYOU EAST PRONG NR ROLLING FORK					
MAR 1990					
07...	--	130	6.8	14.5	7.8
APR					
20...	--	236	7.1	20.5	6.9
MAY					
24...	--	160	6.5	22.0	5.6
JUN					
27...	--	360	--	22.0	6.5
JUL					
24...	--	464	7.1	27.5	4.2
AUG					
27...	--	765	7.1	33.0	1.7
SEP					
18...	--	795	7.9	27.0	5.5
OCT					
23...	--	615	8.0	16.5	7.1
NOV					
28...	--	194	7.5	16.0	7.8
DEC					
18...	--	330	7.6	16.0	6.4
FEB 1991					
12...	--	164	7.2	12.0	7.4

Table 3. Nutrient analyses at selected sites
[mg/L, milligrams per liter; dashes indicate no data. Order: site number, station number, station name]

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phos-phorus total (mg/L as P)	Phos-phorus, dis-solved (mg/L as P)	Carbon, organic, total (mg/L as C)
1 - 332939090173135 - ROEBUCK LAKE NR ITTA BENA						
MAY 1990						
31...	0.090	0.010	0.99	0.200	0.040	4.4
2 - 332945090190235 - ROEBUCK LAKE AT ITTA BENA						
MAY 1990						
31...	0.080	0.020	0.88	0.150	0.060	4.1
3 - 332720090160035 - ROEBUCK LAKE NR QUITO						
MAY 1990						
31...	0.260	0.060	0.94	0.240	0.060	4.1
4 - 332406090145200 - ALLIGATOR BAYOU NR SIDON						
MAY 1990						
31...	0.240	0.060	1.0	0.300	0.050	4.7
5 - 07287120 - YAZOO RIVER NR SHELL BLUFF						
APR 1990						
18...	0.340	0.040	0.56	0.260	0.050	3.7
OCT						
11...	0.200	0.050	0.67	0.190	0.050	3.5
6 - 332114090170800 - YAZOO RIVER AT MILE 143.6						
MAR 1990						
22...	0.360	0.040	0.73	0.210	0.040	4.6
MAY						
29...	0.540	0.070	1.4	0.440	0.060	3.4
JUL						
26...	0.350	0.040	1.3	0.200	0.050	1.8
SEP						
10...	0.140	0.020	0.41	0.150	0.060	1.9
NOV						
01...	0.120	0.020	0.50	0.120	0.060	1.8
7 - 332109090170500 - YAZOO RIVER AT MILE 143.5						
MAR 1990						
22...	0.290	0.040	0.86	0.210	<0.020	4.7
MAY						
29...	0.540	0.080	1.3	0.500	0.060	3.6
JUL						
26...	0.300	0.040	0.90	0.220	0.030	2.0
SEP						
10...	0.130	0.030	0.90	0.140	0.050	3.1
NOV						
01...	0.110	0.020	0.59	0.120	0.040	2.4

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
8 - 332104090170200 - YAZOO RIVER AT MILE 143.4						
MAR 1990						
22...	0.340	0.040	0.69	0.210	0.050	4.6
MAY						
29...	0.540	0.070	1.3	0.500	0.060	3.7
JUL						
26...	0.290	0.040	0.65	0.170	0.020	3.1
SEP						
10...	0.150	0.030	0.84	0.150	0.050	3.3
NOV						
01...	0.110	0.020	0.54	0.110	0.050	2.3
9 - 332100090165900 - YAZOO RIVER AT MILE 143.3						
MAR 1990						
22...	0.360	0.040	0.66	0.200	0.040	4.5
MAY						
29...	0.520	0.070	1.3	0.480	0.070	3.8
JUL						
26...	0.290	0.040	0.64	0.210	0.010	3.3
SEP						
10...	0.130	0.020	0.48	0.160	0.050	3.3
NOV						
01...	0.110	0.020	0.43	0.100	0.040	2.6
10 - 332055090165600 - YAZOO RIVER AT MILE 143.2						
MAR 1990						
22...	0.350	0.050	0.58	0.200	0.020	4.3
MAY						
29...	0.560	0.070	1.3	0.580	0.060	3.7
JUL						
26...	0.370	0.040	0.73	0.180	0.030	3.2
SEP						
10...	0.150	0.030	0.56	0.140	0.050	3.4
NOV						
01...	0.110	0.020	0.48	0.110	0.040	2.8
11 - 331754090211300 - YAZOO RIVER AT MILE 133.8						
MAR 1990						
21...	0.320	0.040	0.75	0.200	0.020	4.6
MAY						
29...	0.530	0.070	1.3	0.560	0.100	3.8
JUL						
26...	0.270	0.030	0.75	0.200	0.020	3.1
SEP						
10...	0.150	0.020	0.67	0.140	0.050	3.4
NOV						
01...	0.110	0.020	0.48	0.140	0.030	2.6

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phos-phorus total (mg/L as P)	Phos-phorus, dis-solved (mg/L as P)	Carbon, organic, total (mg/L as C)
12 - 331752090211900 - YAZOO RIVER AT MILE 133.7						
MAR 1990						
21...	0.390	0.040	0.81	0.210	0.040	4.7
MAY						
29...	0.500	0.070	1.5	0.680	0.100	4.3
JUL						
26...	0.260	0.030	0.77	0.260	0.020	3.0
SEP						
10...	0.140	0.020	0.61	0.190	0.050	3.3
NOV						
01...	0.120	0.020	0.49	0.130	0.040	2.9
13 - 331748090213100 - YAZOO RIVER AT MILE 133.6						
MAR 1990						
21...	0.320	0.050	0.78	0.210	0.030	3.9
MAY						
29...	0.510	0.060	1.5	0.580	0.070	4.3
JUL						
26...	0.300	0.040	0.72	0.200	0.010	3.2
SEP						
10...	0.130	0.010	0.60	0.170	0.040	3.3
NOV						
01...	0.120	0.010	0.48	0.140	0.050	4.1
14 - 331745090212900 - YAZOO RIVER AT MILE 133.5						
MAR 1990						
21...	0.340	0.050	0.81	0.240	0.040	4.0
MAY						
29...	0.510	0.070	1.3	0.510	0.060	4.3
JUL						
26...	0.300	0.040	0.82	0.260	<0.020	3.1
SEP						
10...	0.150	0.020	0.66	0.110	0.050	3.3
NOV						
01...	0.120	0.020	0.66	0.130	0.040	2.8
15 - 331739090212900 - YAZOO RIVER AT MILE 133.4						
MAR 1990						
21...	0.320	0.050	0.80	0.210	0.020	3.9
MAY						
29...	0.480	0.070	1.9	0.540	0.030	4.2
JUL						
26...	0.310	0.030	0.68	0.200	<0.020	3.2
SEP						
10...	0.150	0.020	0.74	0.140	0.050	3.4
NOV						
01...	0.120	0.020	0.47	0.130	0.040	2.4

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
16 - 07287163 - YAZOO RIVER NR SWIFTOWN						
APR 1990						
18...	0.450	0.060	0.62	0.260	0.040	3.7
OCT						
10...	0.180	0.050	0.65	0.180	0.060	3.4
17 - 07287175 - BLUE LAKE AT BERCLAIR						
APR 1990						
18...	0.130	0.100	0.65	0.440	0.210	5.7
JUN						
07...	0.220	<0.010	--	0.150	0.080	5.4
AUG						
29...	0.150	0.010	0.99	0.070	0.030	5.9
OCT						
11...	--	0.240	1.1	0.130	0.050	7.6
18 - 07287180 - BLUE LAKE NR QUITO						
APR 1990						
18...	0.110	0.160	0.57	0.700	0.270	6.0
JUN						
07...	0.200	0.040	0.86	0.220	0.140	5.4
AUG						
29...	0.210	0.100	1.3	0.300	0.120	6.8
OCT						
11...	0.040	0.110	1.2	0.280	0.090	9.0
19 - 07287185 - BEAR CREEK NR QUITO						
APR 1990						
18...	0.120	0.120	0.76	0.400	0.180	6.1
JUN						
07...	0.060	0.010	0.99	0.250	0.110	5.6
20 - 07287195 - BEAR CREEK NR MORGAN CITY						
APR 1990						
18...	0.090	0.040	0.88	0.350	0.070	5.9
JUN						
07...	0.450	0.040	1.1	0.420	0.100	5.7
AUG						
29...	0.240	0.020	1.1	0.160	0.060	4.1
OCT						
11...	0.050	0.080	0.75	0.160	0.090	5.8
21 - 07287205 - BEAR CREEK NR COLONY TOWN						
APR 1990						
17...	0.090	0.080	1.4	0.640	0.020	5.2

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
22 - 07287215 - BEAR CREEK NR MOORHEAD						
APR 1990						
18...	0.260	0.200	1.0	0.580	0.040	5.3
JUN						
07...	1.10	0.120	1.5	0.430	0.080	5.1
AUG						
29...	0.210	0.090	2.2	0.140	0.080	4.5
OCT						
10...	0.130	0.120	1.3	0.150	0.060	6.4
23 - 07287220 - MOSSY LAKE NR SWIFTOWN						
APR 1990						
17...	0.170	0.080	0.60	0.240	0.040	4.5
JUN						
07...	0.560	0.120	0.70	0.220	0.130	4.4
AUG						
29...	0.190	0.010	0.62	0.070	0.030	4.5
OCT						
10...	0.050	0.010	0.93	0.080	0.050	5.0
24 - 07287225 - MACON LAKE NR SWIFTOWN						
APR 1990						
17...	0.070	0.040	0.74	0.170	0.020	4.3
JUN						
07...	0.180	0.010	0.64	0.110	0.080	4.5
AUG						
29...	0.200	0.010	1.1	0.070	0.030	4.5
OCT						
10...	0.020	0.050	1.0	0.100	0.050	4.7
25 - 07287230 - THREEMILE LAKE NR SWIFTOWN						
APR 1990						
17...	0.140	0.080	1.0	0.340	0.050	6.1
JUN						
07...	1.70	0.170	0.33	0.440	0.060	4.7
AUG						
29...	0.140	0.010	1.1	0.170	0.060	5.0
OCT						
10...	0.040	0.050	1.0	0.130	0.060	5.8
26 - 07287240 - BEAR CREEK AT SWIFTOWN						
APR 1990						
17...	0.170	0.100	0.75	0.300	0.050	5.3
JUN						
07...	0.600	0.050	1.7	0.270	0.080	4.8
AUG						
29...	0.220	0.020	1.5	0.210	0.070	5.2
OCT						
10...	0.050	0.020	1.1	0.150	0.050	5.5

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
27 - 07287250 - SKY LAKE NR JAKETOWN						
APR 1990						
17...	0.360	0.080	0.85	0.350	0.050	5.0
JUN						
07...	0.910	0.030	1.5	0.290	0.050	4.8
AUG						
29...	0.150	0.020	1.1	0.120	0.060	4.9
OCT						
10...	0.030	0.060	1.0	0.130	0.050	4.9
28 - 07287260 - WASP LAKE NR BELZONI						
APR 1990						
17...	0.220	0.040	0.76	0.320	0.060	5.1
JUN						
07...	0.900	0.030	1.6	0.210	0.040	4.1
AUG						
29...	0.120	0.020	2.1	0.140	0.040	5.1
OCT						
10...	0.050	0.060	1.2	0.140	0.050	5.0
29 - 07287300 - YAZOO RIVER AT BELZONI						
APR 1990						
17...	0.350	0.050	0.63	0.260	0.070	3.9
OCT						
10...	0.210	0.050	0.68	0.200	0.080	3.6
30 - 330359090194135 - BEE LAKE NR THORNTON						
MAY 1990						
31...	0.530	0.070	1.0	0.280	0.060	4.4
31 - 325531090280335 - WOLF LAKE NR LAKE CITY						
MAY 1990						
31...	0.880	0.130	1.3	0.290	0.080	6.9
32 - 325240090291035 - BROAD LAKE NR YAZOO CITY						
MAY 1990						
31...	1.10	0.400	1.9	0.400	0.060	6.5
33 - 332521090591800 - FISH LAKE NR METCALFE						
JUN 1990						
28...	0.060	0.010	1.6	0.230	0.080	6.3

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
34 - 07288815 - RED BRIDGE BAYOU NR LELAND						
MAR 1990						
08...	0.410	0.170	1.9	0.550	0.100	4.8
APR						
19...	0.330	0.100	0.68	0.230	0.040	4.4
MAY						
25...	2.20	0.110	1.2	0.230	0.060	4.2
JUN						
28...	0.260	0.010	1.2	0.200	0.090	6.4
JUL						
25...	0.300	0.200	1.3	0.210	0.080	4.5
OCT						
24...	0.300	0.130	1.1	0.300	0.200	4.2
NOV						
29...	0.300	0.110	1.6	0.540	0.140	6.8
DEC						
19...	1.20	0.110	2.6	0.960	0.140	6.7
JAN 1991						
11...	0.560	0.210	2.9	1.10	0.160	5.1
FEB						
13...	0.450	0.160	1.2	0.340	0.050	5.2
35 - 332158090571600 - BLACK BAYOU CANAL NR BURDETTE						
JUN 1990						
28...	0.070	<0.010	--	0.210	0.080	6.0
JAN 1991						
11...	0.510	0.220	2.1	0.910	0.240	4.0
36 - 331941090562400 - BLACK BAYOU NR BURDETTE						
JUN 1990						
28...	0.380	0.060	0.84	0.170	0.140	5.6
JAN 1991						
11...	0.470	0.170	1.8	0.770	0.180	5.0
37 - 331754090555500 - BLACK BAYOU NORTHWEST OF ARCOLA						
JUN 1990						
28...	0.380	0.320	2.1	0.870	0.650	7.8
JAN 1991						
11...	0.450	0.150	1.5	0.670	0.150	5.5

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
	38 - 07288820 - BLACK BAYOU NR ARCOLA					
MAR 1990						
07...	0.600	0.190	1.7	0.350	0.090	4.6
APR						
19...	0.820	0.080	0.72	0.340	0.100	4.9
MAY						
24...	1.80	0.140	1.5	0.370	0.140	5.3
JUN						
28...	0.060	0.010	2.4	0.400	0.230	7.9
JUL						
24...	1.20	0.380	1.7	0.320	0.220	6.1
AUG						
27...	0.110	0.040	3.2	0.410	0.190	6.3
SEP						
18...	0.320	0.080	1.7	0.570	0.390	8.3
OCT						
24...	0.490	1.70	7.8	0.980	0.450	8.9
NOV						
29...	1.50	0.200	2.5	0.860	0.250	7.9
DEC						
19...	1.00	0.110	1.9	0.670	0.230	8.5
JAN 1991						
11...	0.440	0.160	1.5	0.540	0.120	5.7
FEB						
13...	0.570	0.200	1.8	0.330	0.090	7.3
	39 - 07288825 - BLACK BAYOU NR ESTILL					
MAR 1990						
07...	0.600	0.150	1.5	0.330	0.090	4.6
APR						
19...	0.850	0.060	0.82	0.360	0.070	5.2
MAY						
24...	1.60	0.190	1.2	0.280	0.130	5.4
JUN						
27...	<0.020	0.020	4.0	0.440	0.170	8.9
JUL						
24...	2.10	0.540	2.4	0.290	0.140	6.2
AUG						
27...	0.130	0.020	1.5	0.310	0.200	6.1
SEP						
18...	0.310	0.090	1.6	0.400	0.240	7.3
OCT						
23...	0.290	0.110	1.9	0.270	0.130	6.0
NOV						
28...	0.610	0.020	2.8	0.320	0.100	10
DEC						
18...	1.10	0.210	1.9	0.590	0.150	7.5
JAN 1991						
10...	0.660	0.180	1.8	0.470	0.090	5.7
FEB						
12...	0.590	0.074	1.6	0.330	0.080	6.9

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
40 - 07288830 - BLACK BAYOU NR HOLLANDALE						
MAR 1990						
07...	0.530	0.110	1.6	0.390	0.080	4.4
APR						
19...	1.00	0.130	1.4	0.460	0.050	5.2
MAY						
24...	1.40	0.240	1.5	0.380	0.110	4.5
JUN						
27...	0.030	0.030	3.7	0.570	0.170	7.4
JUL						
24...	1.70	0.500	3.5	0.420	0.110	6.2
AUG						
27...	0.080	0.020	1.6	0.340	0.210	5.4
SEP						
18...	0.270	0.060	1.4	0.320	0.160	6.6
OCT						
23...	0.450	0.080	3.2	0.340	0.090	8.9
NOV						
28...	0.250	0.060	1.7	0.370	0.100	6.5
DEC						
18...	0.740	0.230	2.8	0.510	0.040	8.4
JAN 1991						
10...	0.430	0.200	1.6	0.340	0.100	6.6
FEB						
12...	0.480	0.050	1.5	0.340	0.080	6.8
41 - 332711091015500 - MAIN CANAL AT METCALFE						
JUN 1990						
28...	0.220	0.120	1.2	0.280	0.120	5.6
JAN 1991						
11...	0.490	0.190	2.4	0.920	0.140	3.2
42 - 332358091012300 - MAIN CANAL AT GREENVILLE						
JUN 1990						
28...	0.260	0.290	1.1	0.320	0.190	4.2
JAN 1991						
11...	0.490	0.190	1.8	0.730	0.160	3.8

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
43 - 07288834 - MAIN CANAL NR SWIFTWATER						
MAR 1990						
08...	0.360	0.190	2.7	0.890	0.150	4.9
APR						
19...	0.400	0.160	0.49	0.270	0.100	3.9
MAY						
24...	1.00	0.130	1.3	0.340	0.120	4.2
JUN						
28...	0.130	0.050	1.0	0.410	0.270	4.8
JUL						
25...	0.280	0.130	1.9	0.330	0.140	4.9
AUG						
28...	0.140	0.180	0.73	0.550	0.430	3.7
SEP						
19...	0.310	0.410	0.89	0.800	0.670	3.9
OCT						
23...	0.460	0.160	1.2	0.610	0.430	5.6
NOV						
29...	0.830	0.220	1.6	0.660	0.260	6.9
DEC						
19...	1.20	0.090	2.2	0.810	0.180	6.5
JAN 1991						
11...	0.540	0.180	1.8	0.700	0.190	4.2
FEB						
13...	0.210	0.220	0.78	0.300	0.170	4.5
44 - 331938091012300 - MAIN CANAL EAST OF SWIFTWATER						
JUN 1990						
28...	0.040	<0.010	--	0.400	0.220	5.3
JAN 1991						
11...	0.610	0.210	2.0	0.820	0.190	4.3
45 - 331753091011400 - MAIN CANAL SOUTHEAST OF SWIFTWATER						
JUN 1990						
28...	0.520	<0.010	--	0.320	0.160	5.9
JAN 1991						
11...	0.590	0.160	1.5	0.800	0.230	6.3

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
46 - 07288838 - MAIN CANAL NR WAYSIDE						
MAR 1990						
08...	0.690	0.410	3.2	0.790	0.120	5.0
APR						
19...	0.560	0.160	0.64	0.280	0.140	4.8
MAY						
24...	1.10	0.180	1.1	0.300	0.120	4.6
JUN						
28...	0.750	0.020	1.9	0.330	0.160	6.0
JUL						
24...	0.900	0.650	10	0.330	0.190	10
AUG						
27...	0.080	0.020	1.2	0.360	0.220	5.1
SEP						
18...	0.180	0.090	1.8	0.630	0.350	7.4
OCT						
24...	0.570	0.250	1.2	0.530	0.310	8.1
NOV						
29...	1.30	0.920	2.3	0.760	0.340	8.5
DEC						
19...	1.10	0.110	2.3	0.880	0.240	7.8
JAN 1991						
11...	0.540	0.160	1.7	0.730	0.220	6.3
FEB						
13...	0.300	0.190	0.79	0.260	0.110	5.1
47 - 331312091013200 - GRANICUS BAYOU NR AVON						
JUN 1990						
28...	0.330	<0.010	--	0.290	0.150	5.0
JAN 1991						
12...	0.530	0.170	1.5	0.710	0.220	6.3
48 - 331122091011800 - GRANICUS BAYOU NR JAMES						
JUN 1990						
28...	0.070	0.020	0.98	0.240	0.130	5.0
49 - 331150090573600 - UNNAMED DITCH NR JAMES						
JUN 1990						
29...	0.350	0.730	2.8	0.240	0.050	7.3
JAN 1991						
12...	0.660	0.470	2.3	0.420	0.070	5.8

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phos-phorus total (mg/L as P)	Phos-phorus, dis-solved (mg/L as P)	Carbon, organic, total (mg/L as C)
50 - 07288842 - GRANICUS BAYOU NR HOLLANDALE						
MAR 1990						
07...	0.460	0.220	2.4	0.300	0.050	5.9
APR						
19...	0.620	0.040	1.1	0.360	0.070	7.5
MAY						
24...	1.20	0.410	1.8	0.560	0.070	5.2
JUN						
29...	0.530	0.130	1.6	0.150	0.050	7.4
JUL						
24...	0.850	0.990	7.0	0.140	0.070	6.6
AUG						
27...	0.140	0.060	1.1	0.230	0.140	4.3
SEP						
18...	0.360	0.970	2.3	0.350	0.150	6.7
OCT						
23...	0.020	0.020	2.4	0.230	0.120	6.5
NOV						
28...	0.580	0.520	3.1	0.320	0.080	11
DEC						
18...	1.00	0.060	1.9	0.310	0.070	9.4
JAN 1991						
12...	0.640	0.260	1.7	0.450	0.060	5.4
FEB						
12...	0.430	0.100	1.5	0.280	0.060	8.2
51 - 330735091013700 - DITCH NO 14 NR ERWIN						
JUN 1990						
29...	0.100	0.610	2.3	0.110	0.070	7.8
JAN 1991						
12...	0.410	0.090	1.1	0.350	0.120	7.4
52 - 330830090581600 - SWAN LAKE TRIBUTARY NR PERCY						
JUN 1990						
29...	0.060	<0.010	--	0.170	0.040	5.5
JAN 1991						
12...	0.080	0.050	0.88	0.170	0.060	6.3

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
53 - 07288843 - BLACK BAYOU NR PERCY						
MAR 1990						
07...	0.600	0.120	1.6	0.410	0.080	4.5
APR						
20...	0.840	0.120	3.3	1.10	0.070	5.7
MAY						
24...	1.30	0.210	1.6	0.450	0.110	4.1
JUN						
28...	0.430	0.490	2.5	0.340	0.140	6.9
JUL						
24...	1.50	0.280	2.9	0.360	0.120	5.4
AUG						
27...	0.080	0.030	1.4	0.550	0.240	6.4
SEP						
18...	0.320	0.060	1.9	0.330	0.180	6.1
OCT						
23...	0.780	0.070	6.9	0.610	0.160	9.5
NOV						
28...	0.590	0.100	2.4	0.500	0.240	8.8
DEC						
18...	2.20	0.170	2.4	1.80	1.10	8.7
JAN 1991						
10...	0.570	0.170	3.1	0.860	0.070	5.9
FEB						
12...	0.430	0.070	1.5	0.340	0.090	7.3
54 - 07288844 - GRANNY BAKER BAYOU NR JAMES						
MAR 1990						
08...	0.420	0.180	3.5	0.810	0.080	4.5
APR						
20...	0.620	0.090	0.61	0.220	0.070	4.9
MAY						
24...	1.40	0.280	1.3	0.350	0.110	4.9
JUN						
29...	0.320	0.040	1.9	0.270	0.090	6.2
JUL						
24...	1.00	0.760	1.4	0.210	0.080	4.4
AUG						
27...	0.060	0.020	1.2	0.320	0.190	4.9
SEP						
18...	0.060	0.050	1.7	0.330	0.150	6.8
OCT						
23...	0.200	0.190	1.4	0.220	0.180	3.4
NOV						
28...	0.160	0.040	1.6	0.280	0.100	5.8
DEC						
18...	0.740	0.300	1.3	0.550	0.160	5.0
JAN 1991						
10...	0.700	0.180	2.9	1.10	0.170	6.1
FEB						
12...	0.200	0.090	1.1	0.340	0.080	6.5

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phosphorus total (mg/L as P)	Phosphorus, dissolved (mg/L as P)	Carbon, organic, total (mg/L as C)
55 - 330426090573900 - STEELE BAYOU NR PANTHER BURN						
JUN 1990						
29...	0.050	<0.010	--	0.240	0.060	6.9
JAN 1991						
12...	0.350	0.150	1.3	0.480	0.080	5.0
56 - 07288847 - STEELE BAYOU NR GLEN ALLAN						
MAR 1990						
07...	0.520	0.170	1.2	0.400	0.060	4.5
APR						
20...	0.580	0.210	1.3	0.380	0.030	5.6
MAY						
24...	1.30	0.240	1.4	0.440	0.110	3.4
JUN						
27...	<0.020	0.010	2.6	0.200	0.040	6.5
JUL						
24...	1.30	0.380	2.2	0.250	0.070	5.4
AUG						
27...	0.220	0.020	1.4	0.290	0.200	5.6
SEP						
18...	0.210	0.210	1.6	0.360	0.140	5.4
OCT						
23...	0.280	0.590	1.8	0.260	0.060	5.8
NOV						
28...	1.10	0.420	2.2	0.300	0.080	6.1
DEC						
18...	0.430	0.470	1.2	0.340	0.100	6.8
JAN 1991						
10...	0.400	0.200	1.4	0.370	0.080	6.6
FEB						
12...	0.400	0.130	1.4	0.380	0.090	6.7
57 - 07288860 - STEELE BAYOU NR GRACE						
JUN 1990						
29...	0.130	0.110	4.6	0.540	0.160	8.5

Table 3. Nutrient analyses at selected sites--Continued

Date	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia, total (mg/L as N)	Nitrogen organic, total (mg/L as N)	Phos-phorus total (mg/L as P)	Phos-phorus, dis-solved (mg/L as P)	Carbon, organic, total (mg/L as C)
58 - 07288870 - STEELE BAYOU EAST PRONG NR ROLLING FORK						
MAR 1990						
07...	0.490	0.170	1.3	0.350	0.060	4.1
APR						
20...	0.370	0.170	1.0	0.270	0.040	4.6
MAY						
24...	1.20	0.180	1.7	0.580	0.130	2.7
JUN						
27...	<0.020	0.010	1.3	0.240	0.040	6.5
JUL						
24...	0.470	0.020	2.0	0.160	0.030	4.7
AUG						
27...	0.050	0.020	1.3	0.160	0.090	5.7
SEP						
18...	0.030	0.060	1.5	0.200	0.120	3.9
OCT						
23...	0.040	0.050	1.2	0.140	0.090	6.5
NOV						
28...	2.70	0.130	2.4	0.760	0.300	7.7
DEC						
18...	--	0.390	--	--	0.050	5.9
JAN 1991						
10...	0.500	0.180	2.8	0.970	0.090	5.1
FEB						
12...	0.410	0.140	1.8	0.380	0.060	6.7

Table 4. Pesticide analyses at selected sites

[Concentrations in micrograms per liter. Order: site number, station number, station name]

Date	Alachlor, total recoverable	Ametryne, total	Atrazine, total	Cyanazine, total	Metolachlor, total recoverable	Metribuzin, total recoverable	Prometone, total	Prometryne, total	Propazine, total	Simazine, total	Simetryne, total	Trifluralin, recoverable
2 - 332945090190235 - ROEBUCK LAKE AT ITTA BENA												
MAY 1990 31...	<0.10	<0.10	<0.10	0.40	1.9	0.1	<0.1	<0.1	<0.10	<0.10	<0.1	<0.10
4 - 332406090145200 - ALLIGATOR BAYOU NR SIDON												
MAY 1990 31...	<0.10	<0.10	0.40	<0.10	0.4	0.2	<0.1	0.1	<0.10	<0.10	<0.1	<0.10
28 - 07287260 - WASP LAKE NR BELZONI												
JUN 1990 07...	<0.10	<0.10	0.30	0.30	2.6	1.0	<0.1	<0.1	<0.10	<0.10	<0.1	<0.10
30 - 330359090194135 - BEE LAKE NR THORNTON												
MAY 1990 31...	<0.10	<0.10	0.10	0.80	<0.1	0.2	<0.1	<0.1	<0.10	<0.10	<0.1	<0.10
31 - 325531090280335 - WOLF LAKE NR LAKE CITY												
MAY 1990 31...	<0.10	<0.10	4.4	0.40	3.6	0.3	<0.1	<0.1	<0.10	1.1	<0.1	<0.10
32 - 325240090291035 - BROAD LAKE NR YAZOO CITY												
MAY 1990 31...	<0.10	<0.10	7.2	0.90	5.2	2.3	<0.1	<0.1	0.10	<0.10	<0.1	<0.10