

Buckhorn Creek-1 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°2'13", Longitude 84°28'4"

Period of record: 5 sampling dates; May 9, 2001 to November 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by sand dunes and well sorted fine sand of the Pleistocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	157	329	500
Long-term specific conductance (mmhos)	<1	1	1

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	12	27	41
Long-term total nitrogen concentrations (µg/L)	340	722	1140
Long-term total chlorophyll concentrations (µg/L)	0.0	7.0	17.0
Long-term Secchi depth (ft)	1.5	2.4	3.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
May-09	41	750	17.0	2.8
Jun-09	29	510	14.0	3.0
Jul-15	28	1140	1.0	1.5
Sep-15	25	870	0.0	1.5
Nov-25	12	340	3.0	3.0
2001 Average	27	722	7.0	2.4

Buckhorn Creek-2 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°1'53", Longitude 84°27'59"

Period of record: 5 sampling dates; May 9, 2001 to November 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by sand dunes and well sorted fine sand of the Pleistocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	6.6	Total alkalinity (mg/L as CaCO ₃)	25.0
Conductance (µS/cm @ 25 °C)	3500	Color (Pt-Co units)	138
Chloride (mg/L)	1115.0		

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	129	303	477
Long-term specific conductance (mmhos)	<1	2	4

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	16	34	53
Long-term total nitrogen concentrations (µg/L)	390	828	1060
Long-term total chlorophyll concentrations (µg/L)	1.0	11.2	28.0
Long-term Secchi depth (ft)	1.5	2.3	3.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
May-09	53	930	28.0	2.0
Jun-09	30	.	22.0	3.0
Jul-15	40	1060	2.0	1.5
Sep-15	30	930	1.0	1.5
Nov-25	16	390	3.0	3.5
2001 Average	34	828	11.2	2.3

Buckhorn Creek-3 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°1'22", Longitude 84°27'41"

Period of record: 5 sampling dates; May 9, 2001 to November 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by sand dunes and well sorted fine sand of the Pleistocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	65	225	384
Long-term specific conductance (mmhos)	<1	4	9

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	22	42	58
Long-term total nitrogen concentrations (µg/L)	320	664	960
Long-term total chlorophyll concentrations (µg/L)	1.0	12.8	32.0
Long-term Secchi depth (ft)	1.5	2.5	4.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
May-09	58	750	32.0	2.0
Jun-09	40	570	26.0	3.0
Jul-15	43	960	2.0	2.0
Sep-15	45	720	1.0	1.5
Nov-25	22	320	3.0	4.0
2001 Average	42	664	12.8	2.5

Davis (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°8'30", Longitude 84°21'44"

Period of record: 6 sampling dates; September 9, 2000 to February 28, 2001

Surface Area (unpublished lakewatch 2001): 2 acres

Lake Region (Griffith et al. 1997): Big Bend Karst (75-06)

Geologic formation (Brooks 1981a):

The geology is dominated by sand dunes and well sorted fine sand of the Pleistocene

Physiographic region (Brooks 1981b):

The lake lies in the Woodville Karst subdivision of the Big Bend Karst division of the Ocala Uplift District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.5	Total alkalinity (mg/L as CaCO ₃)	132.0
Conductance (µS/cm @ 25 °C)	292	Color (Pt-Co units)	24
Chloride (mg/L)	10.5		

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	9	9	9

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 6 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	20	24	33
Long-term total nitrogen concentrations (µg/L)	490	863	1587
Long-term total chlorophyll concentrations (µg/L)	0.3	8.7	39.7
Long-term Secchi depth (ft)	7.2	15.1	23.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-29	25	1023	3.3	22.0
Feb-28	33	503	39.7	7.2
2001 Average	29	763	21.5	14.6

Davis (Wakulla County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Davis (Wakulla County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 9, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Davis	Wakulla	1	Off vegetation	1080	30
Davis	Wakulla	2	Off vegetation	960	20
Davis	Wakulla	3	Off vegetation	750	10
Davis	Wakulla	4	Off vegetation	580	20
Davis	Wakulla	5	Off vegetation	630	10
Davis	Wakulla	6	Off vegetation	670	20
Davis	Wakulla	7	Off vegetation	940	40
Davis	Wakulla	8	Off vegetation	950	30
Davis	Wakulla	9	Open water	780	40
Davis	Wakulla	10	Open water	450	10
Davis	Wakulla	11	Open water	1120	20
Davis	Wakulla	12	Open water	1050	20

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Davis on September 9, 2000 ranged from 450 to 1120 MPN. Total coliform bacteria exceeded 1,000 MPN in 25% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Davis on September 9, 2000 ranged from 10 to 40 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Ellen (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°6'46", Longitude 84°23'56"

Period of record: 21 sampling dates; March 21, 1999 to August 20, 2001

Surface Area (Shafer et al. 1986): 150 acres

Lake Region (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

Geologic formation (Brooks 1981a):

The geology is dominated by sand dunes and well sorted fine sand of the Pleistocene

Physiographic region (Brooks 1981b):

The lake lies in the Woodville Karst subdivision of the Big Bend Karst division of the Ocala Uplift District

Supplemental water chemistry data

Data reported are means from 5 sampling dates:

pH	5.0	Total alkalinity (mg/L as CaCO ₃)	0.8
Conductance (µS/cm @ 25 °C)	27	Color (Pt-Co units)	99
Chloride (mg/L)	5.6	Silicon (mg/L)	0.4
Sulfate (mg/L)	4.1	Calcium (mg/L)	1.3
Magnesium (mg/L)	1.7	Sodium (mg/L)	2.6
Potassium (mg/L)	0.2	Iron (mg/L)	0.2

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	35	83	126

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 21 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	12	24
Long-term total nitrogen concentrations (µg/L)	373	495	753
Long-term total chlorophyll concentrations (µg/L)	2.7	9.8	24.7
Long-term Secchi depth (ft)	3.0	5.3	7.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-25	17	523	12.7	6.0
Feb-25	19	473	15.3	5.3
Mar-25	15	477	12.7	6.0
Apr-25	12	460	9.0	4.0
May-24	11	503	5.7	3.7
Jun-25	8	753	3.0	3.2
Jul-21	9	593	3.0	3.3
Aug-20	9	590	2.7	3.0
2001 Average	13	547	8.0	4.3

Otter (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°1'27", Longitude 84°25'15"

Period of record: 14 sampling dates; November 8, 2000 to December 5, 2001

Surface Area (Shafer et al. 1986): 133 acres

Lake Region (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

Geologic formation (Brooks 1981a):

The geology is dominated by sand dunes and well sorted fine sand of the Pleistocene

Physiographic region (Brooks 1981b):

The lake lies in the Coastal Strip division of the Apalachicola Delta District

Supplemental water chemistry data

Data reported are means from 3 sampling dates:

pH	4.5	Total alkalinity (mg/L as CaCO ₃)	2.3
Conductance (µS/cm @ 25 °C)	127	Color (Pt-Co units)	222
Chloride (mg/L)	35.8	Silicon (mg/L)	1.4
Sulfate (mg/L)	10.6	Calcium (mg/L)	4.4
Magnesium (mg/L)	6.9	Sodium (mg/L)	20.6
Potassium (mg/L)	0.7	Iron (mg/L)	0.2

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	147	275	417

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 14 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	36	96	160
Long-term total nitrogen concentrations (µg/L)	607	911	1097
Long-term total chlorophyll concentrations (µg/L)	1.0	5.1	18.0
Long-term Secchi depth (ft)	1.5	2.0	3.2

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-08	160	1097	3.0	2.8
Feb-08	126	837	16.3	2.8
Mar-09	116	607	6.3	3.2
Apr-10	72	827	2.7	2.2
May-14	108	970	2.7	1.8
Jun-11	102	810	3.0	1.5
Jul-06	87	763	5.7	1.5
Aug-13	44	843	1.0	2.0
Sep-10	36	937	1.0	1.5
Oct-05	57	1027	2.0	1.5
Nov-06	74	993	1.7	1.5
Dec-05	153	1087	18.0	2.0
2001 Average	95	900	5.3	2.0

Spring Creek-1 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°5'22", Longitude 84°20'11"

Period of record: 16 sampling dates; April 24, 1999 to March 11, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	38	42	46
Long-term specific conductance (mmhos)	9	13	17

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 16 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	19	35	51
Long-term total nitrogen concentrations (µg/L)	140	421	890
Long-term total chlorophyll concentrations (µg/L)	1.0	5.9	39.0
Long-term Secchi depth (ft)	2.5	3.7	5.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-07	22	360	2.0	.
Mar-11	31	520	3.0	4.0
2001 Average	27	440	2.5	4.0

Spring Creek-2 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°4'54", Longitude 84°20'1"

Period of record: 16 sampling dates; April 24, 1999 to March 11, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	15	18	20
Long-term specific conductance (mmhos)	7	13	18

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 16 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	20	29	39
Long-term total nitrogen concentrations (µg/L)	170	313	440
Long-term total chlorophyll concentrations (µg/L)	0.0	1.9	5.0
Long-term Secchi depth (ft)	4.5	6.1	8.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-07	28	410	0.0	.
Mar-11	31	350	2.0	6.0
2001 Average	30	380	1.0	6.0

Spring Creek-3 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°4'35", Longitude 84°19'46"

Period of record: 16 sampling dates; April 24, 1999 to March 11, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	15	16	16
Long-term specific conductance (mmhos)	7	13	19

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 16 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	15	30	52
Long-term total nitrogen concentrations (µg/L)	170	308	430
Long-term total chlorophyll concentrations (µg/L)	1.0	2.9	23.0
Long-term Secchi depth (ft)	4.5	6.3	8.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-07	25	330	1.0	.
Mar-11	31	370	2.0	7.0
2001 Average	28	350	1.5	7.0

St. Mark's River Lower-1 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°9'28", Longitude 84°13'16"

Period of record: 5 sampling dates; April 22, 2001 to October 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	7	10
Long-term specific conductance (mmhos)	<1	1	1

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	18	23	29
Long-term total nitrogen concentrations (µg/L)	280	464	610
Long-term total chlorophyll concentrations (µg/L)	3.0	6.0	9.0
Long-term Secchi depth (ft)	6.2	7.9	11.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Apr-22	23	610	8.0	6.5
May-31	18	570	6.0	8.0
Jul-14	29	390	9.0	6.2
Sep-09	21	280	3.0	11.0
Oct-15	25	470	4.0	.
2001 Average	23	464	6.0	7.9

St. Mark's River Lower-2 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°9'3", Longitude 84°12'17"

Period of record: 5 sampling dates; April 22, 2001 to October 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	26	43
Long-term specific conductance (mmhos)	1	3	5

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	34	37	41
Long-term total nitrogen concentrations (µg/L)	260	310	360
Long-term total chlorophyll concentrations (µg/L)	2.0	3.0	4.0
Long-term Secchi depth (ft)	6.0	6.3	6.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Apr-22	34	360	4.0	.
May-31	38	350	2.0	.
Jul-14	41	260	3.0	6.5
Sep-09	35	270	2.0	6.0
Oct-15	38	310	4.0	.
2001 Average	37	310	3.0	6.3

St. Mark's River Lower-3 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°8'8", Longitude 84°12'17"

Period of record: 5 sampling dates; April 22, 2001 to October 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	19	29
Long-term specific conductance (mmhos)	2	4	6

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	26	31	37
Long-term total nitrogen concentrations (µg/L)	210	378	510
Long-term total chlorophyll concentrations (µg/L)	4.0	9.2	21.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Apr-22	26	510	11.0	.
May-31	37	480	21.0	.
Jul-14	32	280	5.0	.
Sep-09	32	210	4.0	.
Oct-15	28	410	5.0	.
2001 Average	31	378	9.2	.

St. Mark's River Lower-4 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°5'5", Longitude 84°12'17"

Period of record: 5 sampling dates; April 22, 2001 to October 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	9	16	23
Long-term specific conductance (mmhos)	20	25	31

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	22	26	34
Long-term total nitrogen concentrations (µg/L)	250	318	420
Long-term total chlorophyll concentrations (µg/L)	5.0	6.8	8.0
Long-term Secchi depth (ft)	5.0	5.8	7.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Apr-22	25	420	7.0	5.5
May-31	24	270	8.0	5.5
Jul-14	22	250	8.0	.
Sep-09	34	250	6.0	5.0
Oct-15	25	400	5.0	7.0
2001 Average	26	318	6.8	5.8

St. Mark's River-1 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°12'33", Longitude 84°10'34"

Period of record: 18 sampling dates; April 23, 1999 to December 5, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	19	46
Long-term specific conductance (mmhos)	<1	<1	<1

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 18 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	31	37	42
Long-term total nitrogen concentrations (µg/L)	180	290	470
Long-term total chlorophyll concentrations (µg/L)	1.0	1.6	2.0
Long-term Secchi depth (ft)	3.0	7.1	9.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-08	39	330	1.0	.
Feb-08	36	290	2.0	.
Mar-09	33	180	2.0	.
Apr-10	42	470	1.0	8.0
May-14	33	230	2.0	.
Jun-11	36	200	2.0	.
Jul-10	42	350	1.0	8.5
Aug-13	40	450	1.0	3.0
Sep-10	37	370	2.0	6.0
Oct-05	39	310	2.0	8.0
Nov-06	34	260	2.0	9.0
Dec-05	41	260	1.0	.
2001 Average	38	308	1.6	7.1

St. Mark's River-2 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°12'0", Longitude 84°10'41"

Period of record: 18 sampling dates; April 23, 1999 to December 5, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	21	47
Long-term specific conductance (mmhos)	<1	<1	<1

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 18 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	28	38	44
Long-term total nitrogen concentrations (µg/L)	190	292	480
Long-term total chlorophyll concentrations (µg/L)	1.0	1.8	7.0
Long-term Secchi depth (ft)	2.5	6.8	9.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-08	38	320	1.0	.
Feb-08	.	.	2.0	.
Mar-09	32	190	2.0	.
Apr-10	44	460	1.0	8.0
May-14	33	240	1.0	.
Jun-11	38	250	3.0	.
Jul-10	43	320	2.0	7.5
Aug-13	43	480	1.0	2.5
Sep-10	39	440	2.0	5.0
Oct-05	40	310	2.0	8.5
Nov-06	37	240	1.0	9.5
Dec-05	39	260	1.0	.
2001 Average	39	319	1.6	6.8

St. Mark's River-3 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°11'17", Longitude 84°10'52"

Period of record: 18 sampling dates; April 23, 1999 to December 5, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	19	48
Long-term specific conductance (mmhos)	<1	<1	<1

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 18 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	31	38	43
Long-term total nitrogen concentrations (µg/L)	160	298	540
Long-term total chlorophyll concentrations (µg/L)	1.0	2.1	12.0
Long-term Secchi depth (ft)	3.0	8.6	14.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-08	40	320	2.0	.
Feb-08	34	340	2.0	.
Mar-09	35	160	2.0	.
Apr-10	43	410	1.0	6.0
May-14	37	260	2.0	.
Jun-11	38	180	2.0	.
Jul-10	41	300	1.0	6.3
Aug-13	40	540	1.0	3.0
Sep-10	38	480	1.0	5.5
Oct-05	40	280	2.0	8.0
Nov-06	37	240	1.0	9.5
Dec-05	41	290	1.0	.
2001 Average	39	317	1.5	6.4

Wakulla River Lower-1 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°10'51", Longitude 84°14'56"

Period of record: 29 sampling dates; March 27, 1999 to November 30, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 1 sampling date:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	3	3

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 29 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	10	23	37
Long-term total nitrogen concentrations (µg/L)	350	529	730
Long-term total chlorophyll concentrations (µg/L)	0.0	2.3	17.0
Long-term Secchi depth (ft)	8.3	8.3	8.3

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-27	20	600	2.0	.
Feb-25	25	550	0.0	.
Apr-28	19	430	.	.
May-31	25	480	.	.
Jun-30	10	450	2.0	.
Jul-31	15	440	2.0	.
Aug-31	35	350	2.0	.
Sep-30	23	580	2.0	.
Oct-29	18	550	1.0	.
Nov-30	34	620	1.0	.
2001 Average	22	505	1.5	.

Wakulla River Lower-2 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°10'45", Longitude 84°14'49"

Period of record: 29 sampling dates; March 27, 1999 to November 30, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 1 sampling date:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	5	5

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 29 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	23	38
Long-term total nitrogen concentrations (µg/L)	330	522	740
Long-term total chlorophyll concentrations (µg/L)	1.0	2.7	12.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-27	20	560	3.0	.
Feb-25	27	550	4.0	.
Apr-28	15	330	.	.
May-31	24	460	.	.
Jun-30	11	580	3.0	.
Jul-31	15	410	1.0	.
Aug-31	31	390	2.0	.
Sep-30	22	540	3.0	.
Oct-29	19	530	1.0	.
Nov-30	31	610	1.0	.
2001 Average	22	496	2.3	.

Wakulla River Lower-3 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°10'32", Longitude 84°14'26"

Period of record: 29 sampling dates; March 27, 1999 to November 30, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 1 sampling date:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	4	4

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 29 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	10	23	33
Long-term total nitrogen concentrations (µg/L)	300	499	700
Long-term total chlorophyll concentrations (µg/L)	1.0	3.6	11.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-27	20	570	3.0	.
Feb-25	21	590	8.0	.
Apr-28	16	350	.	.
May-31	24	410	.	.
Jun-30	11	370	2.0	.
Jul-31	27	480	2.0	.
Aug-31	33	300	2.0	.
Sep-30	19	470	3.0	.
Oct-29	19	490	2.0	.
Nov-30	32	630	3.0	.
2001 Average	22	466	3.1	.

Wakulla River Middle-1 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°12'41", Longitude 84°15'36"

Period of record: 24 sampling dates; June 3, 1996 to May 31, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	3	3

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	13	23	33
Long-term total nitrogen concentrations (µg/L)	440	721	1020
Long-term total chlorophyll concentrations (µg/L)	1.0	1.4	2.0
Long-term Secchi depth (ft)	10.0	10.8	11.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-26	21	860	1.0	.
Feb-16	33	870	2.0	.
Mar-14	26	670	1.0	.
Apr-26	25	590	1.0	.
May-31	26	640	1.0	.
2001 Average	26	726	1.2	.

Wakulla River Middle-2 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°11'55", Longitude 84°15'43"

Period of record: 24 sampling dates; June 3, 1996 to May 31, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	3	3

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	23	36
Long-term total nitrogen concentrations (µg/L)	290	650	870
Long-term total chlorophyll concentrations (µg/L)	1.0	1.8	9.0
Long-term Secchi depth (ft)	10.5	11.3	12.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-26	23	670	1.0	.
Feb-16	36	770	2.0	.
Mar-14	26	650	2.0	.
Apr-26	23	340	1.0	.
May-31	22	610	1.0	.
2001 Average	26	608	1.4	.

Wakulla River Middle-3 (Wakulla County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°11'23", Longitude 84°15'40"

Period of record: 24 sampling dates; June 3, 1996 to May 31, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	2	3	3

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	22	32
Long-term total nitrogen concentrations (µg/L)	290	618	880
Long-term total chlorophyll concentrations (µg/L)	1.0	1.7	8.0
Long-term Secchi depth (ft)	7.0	10.2	12.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-26	19	590	1.0	.
Feb-16	32	760	2.0	.
Mar-14	20	610	2.0	12.0
Apr-26	23	450	1.0	.
May-31	20	560	1.0	.
2001 Average	23	594	1.4	12.0

Wakulla River-1 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°14'9", Longitude 84°18'3"

Period of record: 67 sampling dates; April 26, 1996 to November 28, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	1	3	4

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 67 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	18	28	37
Long-term total nitrogen concentrations (µg/L)	480	835	1100
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	5.0
Long-term Secchi depth (ft)	6.0	7.8	9.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-31	31	550	5.0	.
Feb-28	34	640	0.0	.
Mar-30	31	480	0.0	9.0
Apr-30	23	980	1.0	.
May-31	27	1010	0.0	.
Jun-22	.	.	0.0	.
Jul-26	23	590	0.0	.
Aug-30	31	730	0.0	.
Sep-28	26	940	0.0	.
Oct-30	31	1080	0.0	.
Nov-28	27	650	0.0	.
2001 Average	28	765	0.5	9.0

Wakulla River-2 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°14'8", Longitude 84°18'10"

Period of record: 67 sampling dates; April 26, 1996 to November 28, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	0	2	3

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 67 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	20	29	40
Long-term total nitrogen concentrations (µg/L)	490	827	1130
Long-term total chlorophyll concentrations (µg/L)	0.0	0.0	1.0
Long-term Secchi depth (ft)	7.0	13.0	20.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-31	32	620	0.0	.
Feb-28	32	540	0.0	.
Mar-30	32	490	0.0	9.0
Apr-30	25	790	0.0	.
May-31	25	920	0.0	.
Jun-22	27	630	0.0	.
Jul-26	27	700	0.0	20.0
Aug-30	25	580	0.0	20.0
Sep-28	26	830	0.0	.
Oct-30	30	1130	1.0	.
Nov-28	28	800	0.0	.
2001 Average	28	730	0.1	16.3

Wakulla River-3 (Wakulla County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°14'7", Longitude 84°18'7"

Period of record: 67 sampling dates; April 26, 1996 to November 28, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by argillaceous to sandy impure limestone of the Chattahoochee Formation

Physiographic region (Brooks 1981b):

The station lies in the St Marks Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	0	2	3

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 67 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	22	29	39
Long-term total nitrogen concentrations (µg/L)	450	818	1130
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	3.0
Long-term Secchi depth (ft)	5.0	12.8	20.0

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-31	30	580	0.0	.
Feb-28	34	580	0.0	.
Mar-30	30	460	0.0	9.0
Apr-30	27	950	1.0	.
May-31	29	910	0.0	.
Jun-22	26	710	0.0	.
Jul-26	30	760	0.0	20.0
Aug-30	26	450	0.0	20.0
Sep-28	28	870	0.0	.
Oct-30	26	1070	0.0	.
Nov-28	33	820	0.0	.
2001 Average	29	742	0.1	16.3