

Blackwater-1 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°56'3", Longitude 81°35'44"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	12	18	23
Long-term specific conductance (mmhos)	47	51	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	44	60	70
Long-term total nitrogen concentrations (µg/L)	400	507	630
Long-term total chlorophyll concentrations (µg/L)	2.0	5.7	10.0
Long-term Secchi depth (ft)	2.3	2.3	2.3

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>
Apr-25	44	400	2.0	.
Jun-21	70	490	5.0	.
Aug-23	65	630	10.0	2.3
2001 Average	60	507	5.7	2.3

Blackwater-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°56'3", Longitude 81°35'44"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	12	19	25
Long-term specific conductance (mmhos)	50	53	56

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	51	65	74
Long-term total nitrogen concentrations (µg/L)	350	493	620
Long-term total chlorophyll concentrations (µg/L)	2.0	5.7	10.0
Long-term Secchi depth (ft)	2.3	2.3	2.3

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>
Apr-25	51	350	2.0	.
Jun-21	74	510	5.0	.
Aug-23	71	620	10.0	2.3
2001 Average	65	493	5.7	2.3

Blackwater-3 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°56'3", Longitude 81°35'44"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	12	19	25
Long-term specific conductance (mmhos)	48	52	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	46	64	73
Long-term total nitrogen concentrations (µg/L)	380	483	590
Long-term total chlorophyll concentrations (µg/L)	2.0	5.7	10.0
Long-term Secchi depth (ft)	2.3	2.3	2.3

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>
Apr-25	46	380	2.0	.
Jun-21	73	480	5.0	.
Aug-23	72	590	10.0	2.3
2001 Average	64	483	5.7	2.3

Cape Romano-1 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°51'25", Longitude 81°40'21"

Period of record: 3 sampling dates; April 25, 2001 to August 22, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	4
Long-term specific conductance (mmhos)	53	54	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	29	31	34
Long-term total nitrogen concentrations (µg/L)	290	310	350
Long-term total chlorophyll concentrations (µg/L)	2.0	3.0	4.0
Long-term Secchi depth (ft)	3.1	3.4	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>
Apr-25	29	350	3.0	3.5
Jun-25	29	290	2.0	3.1
Aug-22	34	290	4.0	3.5
2001 Average	31	310	3.0	3.4

Cape Romano-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°51'25", Longitude 81°40'21"

Period of record: 3 sampling dates; April 25, 2001 to August 22, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	4
Long-term specific conductance (mmhos)	53	54	56

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	24	27	29
Long-term total nitrogen concentrations (µg/L)	270	307	340
Long-term total chlorophyll concentrations (µg/L)	2.0	3.3	5.0
Long-term Secchi depth (ft)	3.5	3.5	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>
Apr-25	24	310	3.0	3.5
Jun-25	29	340	2.0	.
Aug-22	27	270	5.0	3.5
2001 Average	27	307	3.3	3.5

Cape Romano-3 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°51'25", Longitude 81°40'21"

Period of record: 3 sampling dates; April 25, 2001 to August 22, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	4
Long-term specific conductance (mmhos)	53	54	56

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	26	30	34
Long-term total nitrogen concentrations (µg/L)	270	337	410
Long-term total chlorophyll concentrations (µg/L)	3.0	3.3	4.0
Long-term Secchi depth (ft)	3.5	3.5	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>
Apr-25	26	410	3.0	3.5
Jun-25	31	270	3.0	.
Aug-22	34	330	4.0	3.5
2001 Average	30	337	3.3	3.5

Clam Bay East-1 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°13'52", Longitude 81°48'46"

Period of record: 8 sampling dates; March 1, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Estero Bay-Cape Romano Coastal Strip division of the Southwestern Flatwoods 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)	124	148	208
Long-term specific conductance (mmhos)	1	1	2

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	167	449	702
Long-term total nitrogen concentrations (µg/L)	2390	3355	7240
Long-term total chlorophyll concentrations (µg/L)	5.0	39.0	123.0
Long-term Secchi depth (ft)	0.5	0.7	1.0

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>
Mar-01	702	7240	.	.
Apr-20	538	2830	123.0	0.5
Jun-20	167	2390	7.0	.
Jul-31	440	2910	42.0	.
Aug-21	412	2630	40.0	.
Oct-15	568	2860	50.0	1.0
Nov-16	404	3130	6.0	0.5
Dec-19	359	2850	5.0	.
2001 Average	449	3355	39.0	0.7

Clam Bay East-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°14'30", Longitude 81°48'58"

Period of record: 8 sampling dates; March 1, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Estero Bay-Cape Romano Coastal Strip division of the Southwestern Flatwoods 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)	32	65	121
Long-term specific conductance (mmhos)	18	41	51

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	62	99	138
Long-term total nitrogen concentrations (µg/L)	520	903	1150
Long-term total chlorophyll concentrations (µg/L)	6.0	18.0	29.0
Long-term Secchi depth (ft)	1.0	1.5	2.0

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>
Mar-01	97	1150	29.0	1.5
Apr-20	95	1100	24.0	2.0
Jun-20	97	890	6.0	2.0
Jul-31	136	920	17.0	1.0
Aug-21	101	1020	18.0	2.0
Oct-15	138	1000	21.0	1.0
Nov-16	62	620	8.0	.
Dec-19	62	520	21.0	1.0
2001 Average	99	903	18.0	1.5

Clam Bay East-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°14'19", Longitude 81°49'2"

Period of record: 8 sampling dates; March 1, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Estero Bay-Cape Romano Coastal Strip division of the Southwestern Flatwoods 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)	27	49	99
Long-term specific conductance (mmhos)	24	43	50

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	57	109	201
Long-term total nitrogen concentrations (µg/L)	480	886	1080
Long-term total chlorophyll concentrations (µg/L)	4.0	14.8	27.0
Long-term Secchi depth (ft)	1.0	1.4	2.0

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>
Mar-01	89	960	12.0	.
Apr-20	101	1040	15.0	.
Jun-20	129	950	11.0	.
Jul-31	201	1080	27.0	1.0
Aug-21	98	970	11.0	1.5
Oct-15	136	1000	20.0	.
Nov-16	60	610	4.0	2.0
Dec-19	57	480	18.0	1.0
2001 Average	109	886	14.8	1.4

Clam Bay West-1 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°49'14", Longitude 26°14'38"

Period of record: 5 sampling dates; August 1, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Estero Bay-Cape Romano Coastal Strip division of the Southwestern Flatwoods 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)	383	383	383
Long-term specific conductance (mmhos)	12	12	12

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)	396	588	675
Long-term total nitrogen concentrations (µg/L)	4030	4375	4900
Long-term total chlorophyll concentrations (µg/L)	12.0	65.2	124.0
Long-term Secchi depth (ft)	0.1	0.1	0.1

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>
Aug-01	396	4900	39.0	0.1
Aug-21	640	4100	72.0	.
Oct-15	675	4470	79.0	.
Nov-17	641	4030	124.0	.
Dec-19	.	.	12.0	.
2001 Average	588	4375	65.2	0.1

Clam Bay West-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°14'15", Longitude 81°48'46"

Period of record: 8 sampling dates; March 1, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Estero Bay-Cape Romano Coastal Strip division of the Southwestern Flatwoods 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)	53	141	347
Long-term specific conductance (mmhos)	39	48	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	83	324	771
Long-term total nitrogen concentrations (µg/L)	310	2195	4090
Long-term total chlorophyll concentrations (µg/L)	8.0	27.0	55.0
Long-term Secchi depth (ft)	0.3	0.3	0.3

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>
Mar-01	193	2060	33.0	.
Apr-20	415	2280	32.0	.
Jun-19	540	4090	.	.
Aug-01	127	3800	55.0	.
Aug-21	164	1880	12.0	0.3
Oct-15	771	310	34.0	.
Nov-17	83	1300	8.0	.
Dec-19	298	1840	15.0	.
2001 Average	324	2195	27.0	0.3

Clam Bay West-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°13'23", Longitude 81°49'0"

Period of record: 8 sampling dates; March 1, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Estero Bay-Cape Romano Coastal Strip division of the Southwestern Flatwoods 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)	3	8	11
Long-term specific conductance (mmhos)	52	53	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	27	62	101
Long-term total nitrogen concentrations (µg/L)	310	505	690
Long-term total chlorophyll concentrations (µg/L)	1.0	3.5	9.0
Long-term Secchi depth (ft)	1.0	1.2	1.5

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>
Mar-01	44	580	3.0	.
Apr-20	62	690	2.0	.
Jun-19	27	310	1.0	.
Aug-01	44	330	1.0	1.0
Aug-21	61	680	3.0	1.5
Oct-15	101	440	9.0	1.0
Nov-17	100	470	5.0	.
Dec-19	59	540	4.0	.
2001 Average	62	505	3.5	1.2

Fakahatchee Bay-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°53'32", Longitude 81°28'37"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	19	23
Long-term specific conductance (mmhos)	37	45	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	51	53	54
Long-term total nitrogen concentrations (µg/L)	460	517	590
Long-term total chlorophyll concentrations (µg/L)	3.0	6.7	9.0
Long-term Secchi depth (ft)	2.5	2.5	2.5

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-25	53	500	3.0	.
Jun-21	54	460	8.0	.
Aug-23	51	590	9.0	2.5
2001 Average	53	517	6.7	2.5

Fakahatchee Bay-2 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°53'32", Longitude 81°28'37"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	17	18
Long-term specific conductance (mmhos)	38	48	58

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	50	55	61
Long-term total nitrogen concentrations (µg/L)	420	547	660
Long-term total chlorophyll concentrations (µg/L)	3.0	6.3	9.0
Long-term Secchi depth (ft)	2.5	2.5	2.5

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-25	53	560	3.0	.
Jun-21	61	420	7.0	.
Aug-23	50	660	9.0	2.5
2001 Average	55	547	6.3	2.5

Fakahatchee Bay-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°53'32", Longitude 81°28'37"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	16	20	23
Long-term specific conductance (mmhos)	41	49	58

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	53	55	59
Long-term total nitrogen concentrations (µg/L)	480	510	560
Long-term total chlorophyll concentrations (µg/L)	7.0	8.0	9.0
Long-term Secchi depth (ft)	2.5	2.5	2.5

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-25	54	490	.	.
Jun-21	59	480	7.0	.
Aug-23	53	560	9.0	2.5
2001 Average	55	510	8.0	2.5

Fakaunion-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°54'5", Longitude 81°30'57"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	9	10	10
Long-term specific conductance (mmhos)	44	44	45

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	19	30	42
Long-term total nitrogen concentrations (µg/L)	330	350	370
Long-term total chlorophyll concentrations (µg/L)	2.0	4.3	6.0
Long-term Secchi depth (ft)	2.9	2.9	2.9

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-25	28	350	2.0	.
Jun-21	42	330	6.0	2.9
Aug-23	19	370	5.0	.
2001 Average	30	350	4.3	2.9

Fakaunion-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°54'5", Longitude 81°30'57"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	8	13	17
Long-term specific conductance (mmhos)	42	48	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	24	34	50
Long-term total nitrogen concentrations (µg/L)	340	397	460
Long-term total chlorophyll concentrations (µg/L)	2.0	4.3	6.0
Long-term Secchi depth (ft)	2.9	2.9	2.9

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-25	29	340	2.0	.
Jun-21	50	460	6.0	2.9
Aug-23	24	390	5.0	.
2001 Average	34	397	4.3	2.9

Fakaunion-3 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°54'5", Longitude 81°30'57"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	8	10	12
Long-term specific conductance (mmhos)	43	44	44

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	24	33	47
Long-term total nitrogen concentrations (µg/L)	310	367	400
Long-term total chlorophyll concentrations (µg/L)	2.0	4.3	6.0
Long-term Secchi depth (ft)	2.9	2.9	2.9

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-25	28	310	2.0	.
Jun-21	47	400	6.0	2.9
Aug-23	24	390	5.0	.
2001 Average	33	367	4.3	2.9

Henderson Creek-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°1'33", Longitude 81°43'60"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	10	11	11
Long-term specific conductance (mmhos)	50	52	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	43	47	49
Long-term total nitrogen concentrations (µg/L)	390	413	450
Long-term total chlorophyll concentrations (µg/L)	4.0	10.0	17.0
Long-term Secchi depth (ft)	2.5	2.7	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>
Apr-25	43	400	4.0	3.0
Jun-21	49	390	9.0	2.5
Aug-23	48	450	17.0	2.5
2001 Average	47	413	10.0	2.7

Henderson Creek-2 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°1'33", Longitude 81°43'60"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	6	8	9
Long-term specific conductance (mmhos)	50	52	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	41	45	48
Long-term total nitrogen concentrations (µg/L)	380	420	500
Long-term total chlorophyll concentrations (µg/L)	3.0	9.7	17.0
Long-term Secchi depth (ft)	2.5	2.7	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>
Apr-25	41	380	3.0	3.0
Jun-21	48	380	9.0	2.5
Aug-23	47	500	17.0	2.5
2001 Average	45	420	9.7	2.7

Henderson Creek-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°1'33", Longitude 81°43'60"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	5	7	8
Long-term specific conductance (mmhos)	50	52	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	40	44	47
Long-term total nitrogen concentrations (µg/L)	370	430	480
Long-term total chlorophyll concentrations (µg/L)	4.0	10.3	18.0
Long-term Secchi depth (ft)	2.5	2.7	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>
Apr-25	40	440	4.0	3.0
Jun-21	46	370	9.0	2.5
Aug-23	47	480	18.0	2.5
2001 Average	44	430	10.3	2.7

Johnson Bay 1-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'9", Longitude 81°43'32"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	4	5	5
Long-term specific conductance (mmhos)	50	52	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	27	33	39
Long-term total nitrogen concentrations (µg/L)	270	333	390
Long-term total chlorophyll concentrations (µg/L)	3.0	4.0	5.0
Long-term Secchi depth (ft)	3.4	3.6	3.8

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-25	27	340	3.0	3.8
Jun-26	39	390	5.0	3.4
Aug-24	33	270	4.0	.
2001 Average	33	333	4.0	3.6

Johnson Bay 1-2 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'9", Longitude 81°43'32"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	4	5	5
Long-term specific conductance (mmhos)	50	52	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	26	32	37
Long-term total nitrogen concentrations (µg/L)	170	283	350
Long-term total chlorophyll concentrations (µg/L)	3.0	4.0	5.0
Long-term Secchi depth (ft)	3.8	3.8	3.8

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-25	26	350	3.0	3.8
Jun-26	37	330	5.0	.
Aug-24	34	170	4.0	.
2001 Average	32	283	4.0	3.8

Johnson Bay 1-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'9", Longitude 81°43'32"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	4	5	5
Long-term specific conductance (mmhos)	50	52	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	25	29	34
Long-term total nitrogen concentrations (µg/L)	200	327	460
Long-term total chlorophyll concentrations (µg/L)	3.0	4.0	5.0
Long-term Secchi depth (ft)	3.8	3.8	3.8

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-25	25	460	3.0	3.8
Jun-26	34	320	5.0	.
Aug-24	27	200	4.0	.
2001 Average	29	327	4.0	3.8

Johnson Bay 2-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'31", Longitude 81°43'15"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	6	9
Long-term specific conductance (mmhos)	51	52	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	21	37	47
Long-term total nitrogen concentrations (µg/L)	310	347	400
Long-term total chlorophyll concentrations (µg/L)	2.0	7.3	10.0
Long-term Secchi depth (ft)	2.5	2.5	2.5

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-25	21	310	2.0	.
Jun-26	44	400	10.0	.
Aug-24	47	330	10.0	2.5
2001 Average	37	347	7.3	2.5

Johnson Bay 2-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'31", Longitude 81°43'15"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	6	10
Long-term specific conductance (mmhos)	50	51	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	23	40	50
Long-term total nitrogen concentrations (µg/L)	300	367	440
Long-term total chlorophyll concentrations (µg/L)	2.0	7.7	12.0
Long-term Secchi depth (ft)	2.5	2.5	2.5

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-25	23	300	2.0	.
Jun-26	50	440	12.0	.
Aug-24	48	360	9.0	2.5
2001 Average	40	367	7.7	2.5

Johnson Bay 2-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'31", Longitude 81°43'15"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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	7	11
Long-term specific conductance (mmhos)	51	52	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	21	39	48
Long-term total nitrogen concentrations (µg/L)	250	360	420
Long-term total chlorophyll concentrations (µg/L)	2.0	7.0	10.0
Long-term Secchi depth (ft)	2.5	2.5	2.5

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-25	21	250	2.0	.
Jun-26	48	420	10.0	.
Aug-24	48	410	9.0	2.5
2001 Average	39	360	7.0	2.5

Longshore (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°16'7", Longitude 81°43'17"

Period of record: 19 sampling dates; December 17, 1996 to September 24, 2000

Lake Region (Griffith et al. 1997): Big Cypress (76-02)

Geologic formation (Brooks 1981a):

The geology is dominated clastic and shell deposits of the Fort Thompson Group Formation

Physiographic region (Brooks 1981b):

The lake lies in the Corkscrew Swamp division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.1	Total alkalinity (mg/L as CaCO ₃)	199.0
Conductance (µS/cm @ 25 °C)	491	Color (Pt-Co units)	39
Chloride (mg/L)	32.8	Silicon (mg/L)	1.8
Sulfate (mg/L)	12.3	Iron (mg/L)	0.0

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 19 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	14	26	52
Long-term total nitrogen concentrations (µg/L)	450	722	933
Long-term total chlorophyll concentrations (µg/L)	2.3	10.0	35.0
Long-term Secchi depth (ft)	3.8	6.4	8.8

2001 Florida LAKEWATCH Data

No samples collected in 2001

Naples Bay-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°7'47", Longitude 81°47'32"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	9	13	16
Long-term specific conductance (mmhos)	42	46	50

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	47	61	86
Long-term total nitrogen concentrations (µg/L)	370	483	560
Long-term total chlorophyll concentrations (µg/L)	7.0	8.7	10.0
Long-term Secchi depth (ft)	2.8	3.1	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>
Apr-25	49	370	10.0	3.5
Jun-21	86	520	9.0	2.8
Aug-23	47	560	7.0	3.0
2001 Average	61	483	8.7	3.1

Naples Bay-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°7'47", Longitude 81°47'32"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	10	13	16
Long-term specific conductance (mmhos)	43	46	50

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	46	60	84
Long-term total nitrogen concentrations (µg/L)	410	527	670
Long-term total chlorophyll concentrations (µg/L)	7.0	9.0	10.0
Long-term Secchi depth (ft)	2.8	3.1	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>
Apr-25	49	410	10.0	3.5
Jun-21	84	500	10.0	2.8
Aug-23	46	670	7.0	3.0
2001 Average	60	527	9.0	3.1

Naples Bay-3 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°7'47", Longitude 81°47'32"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	10	13	16
Long-term specific conductance (mmhos)	42	46	50

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	47	61	87
Long-term total nitrogen concentrations (µg/L)	410	510	590
Long-term total chlorophyll concentrations (µg/L)	7.0	8.7	10.0
Long-term Secchi depth (ft)	2.8	3.1	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>
Apr-25	50	410	10.0	3.5
Jun-21	87	530	9.0	2.8
Aug-23	47	590	7.0	3.0
2001 Average	61	510	8.7	3.1

Pumpkin Bay-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°55'3", Longitude 81°32'54"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	6	7	8
Long-term specific conductance (mmhos)	44	49	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	43	48	54
Long-term total nitrogen concentrations (µg/L)	360	417	520
Long-term total chlorophyll concentrations (µg/L)	3.0	11.7	18.0
Long-term Secchi depth (ft)	2.0	2.3	2.8

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-25	43	370	3.0	2.0
Jun-21	54	360	14.0	2.0
Aug-23	47	520	18.0	2.8
2001 Average	48	417	11.7	2.3

Pumpkin Bay-2 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°55'3", Longitude 81°32'54"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	9	12	15
Long-term specific conductance (mmhos)	53	54	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	43	54	65
Long-term total nitrogen concentrations (µg/L)	440	487	540
Long-term total chlorophyll concentrations (µg/L)	3.0	11.7	17.0
Long-term Secchi depth (ft)	2.0	2.3	2.8

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-25	43	440	3.0	2.0
Jun-21	65	480	15.0	2.0
Aug-23	53	540	17.0	2.8
2001 Average	54	487	11.7	2.3

Pumpkin Bay-3 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°55'3", Longitude 81°32'54"

Period of record: 3 sampling dates; April 25, 2001 to August 23, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	6	11	15
Long-term specific conductance (mmhos)	53	54	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	46	55	67
Long-term total nitrogen concentrations (µg/L)	380	413	460
Long-term total chlorophyll concentrations (µg/L)	3.0	11.3	17.0
Long-term Secchi depth (ft)	2.0	2.3	2.8

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-25	46	400	3.0	2.0
Jun-21	67	460	14.0	2.0
Aug-23	53	380	17.0	2.8
2001 Average	55	413	11.3	2.3

Tarpon Bay-1 (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'10", Longitude 81°43'27"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	6	9	12
Long-term specific conductance (mmhos)	50	52	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	36	40	46
Long-term total nitrogen concentrations (µg/L)	320	377	420
Long-term total chlorophyll concentrations (µg/L)	5.0	6.0	8.0
Long-term Secchi depth (ft)	3.0	3.7	4.3

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>
Apr-25	36	420	5.0	3.8
Jun-25	39	390	5.0	3.0
Aug-24	46	320	8.0	4.3
2001 Average	40	377	6.0	3.7

Tarpon Bay-2 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'10", Longitude 81°43'27"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	6	10	13
Long-term specific conductance (mmhos)	51	53	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	34	41	50
Long-term total nitrogen concentrations (µg/L)	300	380	420
Long-term total chlorophyll concentrations (µg/L)	5.0	6.3	8.0
Long-term Secchi depth (ft)	3.8	4.1	4.3

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>
Apr-25	34	420	5.0	3.8
Jun-25	40	420	6.0	.
Aug-24	50	300	8.0	4.3
2001 Average	41	380	6.3	4.1

Tarpon Bay-3 (Collier County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°59'10", Longitude 81°43'27"

Period of record: 3 sampling dates; April 25, 2001 to August 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Ten Thousand Islands division of the Gold Coast-Florida Bay 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)	8	11	13
Long-term specific conductance (mmhos)	51	53	55

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	34	39	48
Long-term total nitrogen concentrations (µg/L)	390	403	420
Long-term total chlorophyll concentrations (µg/L)	5.0	6.3	8.0
Long-term Secchi depth (ft)	3.8	4.1	4.3

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>
Apr-25	34	420	5.0	3.8
Jun-25	34	390	6.0	.
Aug-24	48	400	8.0	4.3
2001 Average	39	403	6.3	4.1

Trafford (Collier County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'11", Longitude 81°29'21"

Period of record: 1 sampling date; May 15, 2001

Surface Area (Shafer et al. 1986): 1494 acres

Lake Region (Griffith et al. 1997): Immokalee Rise (75-37)

Geologic formation (Brooks 1981a):

The geology is dominated clastic and shell deposits of the Fort Thompson Group Formation

Physiographic region (Brooks 1981b):

The lake lies in the Corkscrew Swamp division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 3 sampling dates:

pH	8.4	Total alkalinity (mg/L as CaCO ₃)	110.8
Conductance (µS/cm @ 25 °C)	225	Color (Pt-Co units)	48
Chloride (mg/L)	27.1	Silicon (mg/L)	2.4
Sulfate (mg/L)	7.1	Calcium (mg/L)	32.9
Magnesium (mg/L)	10.1	Sodium (mg/L)	15.8
Potassium (mg/L)	3.5	Iron (mg/L)	0.2

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 1 month sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	295	295	295
Long-term total nitrogen concentrations (µg/L)	5563	5563	5563
Long-term total chlorophyll concentrations (µg/L)	78.0	78.0	78.0
Long-term Secchi depth (ft)	1.0	1.0	1.0

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>
May-15	295	5563	78.0	1.0
2001 Average	295	5563	78.0	1.0