

Dunes (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°27'15", Longitude 82°3'15"

Period of record: 41 sampling dates; December 5, 1993 to December 21, 2001

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island 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)	57	57	57

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 41 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	66	440	1339
Long-term total nitrogen concentrations (µg/L)	1265	2835	5480
Long-term total chlorophyll concentrations (µg/L)	3.0	81.9	500.5
Long-term Secchi depth (ft)	0.7	2.2	5.5

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 2 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-11	347	2355	58.0	2.0
Feb-28	306	2130	43.5	2.1
Mar-30	457	2900	79.0	1.8
May-01	405	2930	94.5	1.5
Jun-01	243	2820	42.0	1.6
Jun-28	254	3370	175.0	1.0
Jul-31	228	2780	124.0	.
Aug-29	217	2240	45.0	2.1
Sep-17	441	2090	80.0	2.0
Sep-28	391	1845	86.5	2.1
Oct-30	388	1940	90.5	1.5
Nov-30	310	2030	72.0	1.8
Dec-21	336	2540	119.0	1.3
2001 Average	332	2459	85.3	1.7

East Rocks (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'3", Longitude 82°6'50"

Period of record: 26 sampling dates; May 8, 1991 to August 31, 1999

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip 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)	151.0
Conductance (µS/cm @ 25 °C)	1740	Color (Pt-Co units)	40
Chloride (mg/L)	600.0		

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	27	49	100
Long-term total nitrogen concentrations (µg/L)	1517	2333	4000
Long-term total chlorophyll concentrations (µg/L)	10.3	45.2	150.0
Long-term Secchi depth (ft)	1.0	2.3	5.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

East Rocks West (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'7", Longitude 82°6'56"

Period of record: 10 sampling dates; May 15, 1991 to June 20, 1992

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	30	53	89
Long-term total nitrogen concentrations (µg/L)	1517	1898	2800
Long-term total chlorophyll concentrations (µg/L)	4.7	24.4	64.7
Long-term Secchi depth (ft)	2.8	5.6	10.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Gulf Pines (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'40", Longitude 82°7'49"

Period of record: 14 sampling dates; December 5, 1993 to July 10, 1997

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

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)	28	95	314
Long-term total nitrogen concentrations (µg/L)	890	1738	2350
Long-term total chlorophyll concentrations (µg/L)	5.5	18.7	42.3
Long-term Secchi depth (ft)	2.5	4.6	7.3

2001 Florida LAKEWATCH Data

No samples collected in 2001

Gulf Shores (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'41", Longitude 82°8'1"

Period of record: 32 sampling dates; May 16, 1991 to July 10, 1997

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 32 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	22	63	217
Long-term total nitrogen concentrations (µg/L)	860	1850	4633
Long-term total chlorophyll concentrations (µg/L)	3.3	37.2	302.3
Long-term Secchi depth (ft)	0.9	4.5	9.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Gulf Shores West (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'48", Longitude 82°8'5"

Period of record: 9 sampling dates; June 12, 1991 to June 30, 1992

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 9 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	60	181	246
Long-term total nitrogen concentrations (µg/L)	2030	3185	4300
Long-term total chlorophyll concentrations (µg/L)	25.3	128.2	203.0
Long-term Secchi depth (ft)	1.1	1.9	3.2

2001 Florida LAKEWATCH Data

No samples collected in 2001

Gumbo Limbo (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'41", Longitude 82°3'49"

Period of record: 30 sampling dates; May 20, 1992 to May 19, 1998

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.0	Total alkalinity (mg/L as CaCO ₃)	131.0
Conductance (µS/cm @ 25 °C)	7200	Sulfate (mg/L)	229.0
Chloride (mg/L)	2450.0		

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 30 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	24	69	315
Long-term total nitrogen concentrations (µg/L)	587	1189	2757
Long-term total chlorophyll concentrations (µg/L)	1.0	10.0	28.7
Long-term Secchi depth (ft)	5.5	9.0	13.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Lady Finger (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°27'57", Longitude 82°9'18"

Period of record: 8 sampling dates; June 5, 1991 to March 5, 1992

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

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	38	53
Long-term total nitrogen concentrations (µg/L)	1667	2625	3167
Long-term total chlorophyll concentrations (µg/L)	4.7	9.1	18.7
Long-term Secchi depth (ft)	4.0	4.5	5.1

2001 Florida LAKEWATCH Data

No samples collected in 2001

Little Murex (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'59", Longitude 82°6'1"

Period of record: 53 sampling dates; December 5, 1993 to December 4, 2001

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.7	Total alkalinity (mg/L as CaCO ₃)	125.0
Conductance (µS/cm @ 25 °C)	9212	Color (Pt-Co units)	20
Chloride (mg/L)	3150.0		

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	20

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 53 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	13	24	46
Long-term total nitrogen concentrations (µg/L)	1150	1954	2737
Long-term total chlorophyll concentrations (µg/L)	2.3	12.0	31.7
Long-term Secchi depth (ft)	2.0	3.9	6.0

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-03	24	1927	19.3	2.9
Feb-03	23	1890	18.3	4.8
Mar-02	24	2067	9.0	4.0
Apr-03	21	1530	11.3	4.0
May-03	19	1743	9.3	5.0
Jun-05	15	1527	7.0	6.0
Jul-02	17	1497	6.7	6.0
Aug-04	18	1907	11.7	4.0
Sep-03	13	1977	5.3	5.0
Oct-04	22	1150	7.3	6.0
Nov-06	22	1290	7.3	5.5
Dec-04	23	1460	11.0	4.4
2001 Average	20	1664	10.3	4.8

Little Portion (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'31", Longitude 81°54'22"

Period of record: 51 sampling dates; July 18, 1993 to October 10, 1999

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.0	Total alkalinity (mg/L as CaCO ₃)	137.0
Conductance (µS/cm @ 25 °C)	3050	Color (Pt-Co units)	25
Chloride (mg/L)	1050.0		

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 51 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	29	66
Long-term total nitrogen concentrations (µg/L)	240	990	1887
Long-term total chlorophyll concentrations (µg/L)	8.7	42.0	134.3
Long-term Secchi depth (ft)	1.5	4.2	10.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Murex (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'52", Longitude 82°6'2"

Period of record: 31 sampling dates; June 19, 1991 to September 2, 2001

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	9.1	Total alkalinity (mg/L as CaCO ₃)	206.0
Conductance (µS/cm @ 25 °C)	2160	Color (Pt-Co units)	22
Chloride (mg/L)	600.0		

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 31 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	79	357	643
Long-term total nitrogen concentrations (µg/L)	1133	1956	2967
Long-term total chlorophyll concentrations (µg/L)	5.3	26.1	158.3
Long-term Secchi depth (ft)	1.2	2.9	5.3

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>
Feb-15	314	1383	10.0	2.9
Apr-16	278	1397	12.3	3.6
Jun-21	195	1317	9.0	4.2
Sep-02	90	2260	10.3	4.1
2001 Average	219	1589	10.4	3.7

Pine Island Sound-1 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°28'46", Longitude 82°6'36"

Period of record: 11 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	12	45
Long-term specific conductance (mmhos)	31	48	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 11 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	32	70	157
Long-term total nitrogen concentrations (µg/L)	320	485	810
Long-term total chlorophyll concentrations (µg/L)	4.0	12.1	25.0
Long-term Secchi depth (ft)	1.5	3.0	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>
Jan-15	32	380	4.0	.
Mar-20	76	320	8.0	.
Apr-16	157	810	25.0	1.5
May-14	56	500	8.0	3.0
Jun-18	47	400	11.0	4.0
Jul-18	44	470	5.0	.
Aug-15	72	490	12.0	.
Sep-20	75	530	23.0	2.0
Oct-19	69	480	17.0	3.0
Nov-20	73	490	11.0	3.8
Dec-19	65	460	9.0	4.0
2001 Average	70	485	12.1	3.0

Pine Island Sound-2 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°29'0", Longitude 82°10'58"

Period of record: 11 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	12	35
Long-term specific conductance (mmhos)	33	47	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 11 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	60	87	129
Long-term total nitrogen concentrations (µg/L)	420	599	930
Long-term total chlorophyll concentrations (µg/L)	2.0	11.1	21.0
Long-term Secchi depth (ft)	2.8	2.8	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>
Jan-15	67	420	2.0	.
Mar-20	104	510	7.0	.
Apr-16	93	620	6.0	.
May-14	61	540	4.0	.
Jun-18	115	930	8.0	.
Jul-18	60	600	9.0	.
Aug-15	69	610	16.0	2.8
Sep-20	66	510	12.0	.
Oct-19	92	650	21.0	.
Nov-20	96	560	18.0	.
Dec-19	129	640	19.0	.
2001 Average	87	599	11.1	2.8

Roseate (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'11", Longitude 82°3'56"

Period of record: 15 sampling dates; December 5, 1993 to May 19, 1998

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 15 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	23	52	110
Long-term total nitrogen concentrations (µg/L)	1003	1787	3073
Long-term total chlorophyll concentrations (µg/L)	4.0	31.5	117.0
Long-term Secchi depth (ft)	1.2	3.2	7.3

2001 Florida LAKEWATCH Data

No samples collected in 2001

San Carlos Bay-1 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°31'35", Longitude 82°0'11"

Period of record: 12 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	25	137
Long-term specific conductance (mmhos)	4	43	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	36	68	146
Long-term total nitrogen concentrations (µg/L)	350	505	900
Long-term total chlorophyll concentrations (µg/L)	2.0	5.5	14.0
Long-term Secchi depth (ft)	1.8	2.9	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>
Jan-15	36	380	2.0	.
Feb-21	.	.	5.0	.
Mar-20	45	400	4.0	3.0
Apr-16	45	350	8.0	.
May-14	38	360	3.0	4.0
Jun-18	49	430	9.0	2.8
Jul-18	49	460	6.0	.
Aug-15	118	710	14.0	3.0
Sep-20	146	900	5.0	1.8
Oct-19	99	710	4.0	.
Nov-20	55	470	4.0	.
Dec-19	68	390	2.0	.
2001 Average	68	505	5.5	2.9

San Carlos Bay-2 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°30'55", Longitude 82°3'18"

Period of record: 11 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	24	105
Long-term specific conductance (mmhos)	14	44	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 11 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	34	70	131
Long-term total nitrogen concentrations (µg/L)	320	560	960
Long-term total chlorophyll concentrations (µg/L)	3.0	10.1	40.0
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>
Jan-15	34	320	.	.
Mar-20	76	660	12.0	.
Apr-16	57	410	8.0	.
May-14	44	440	3.0	.
Jun-18	43	460	6.0	.
Jul-18	42	440	7.0	.
Aug-15	123	960	40.0	.
Sep-20	131	920	9.0	2.3
Oct-19	96	650	8.0	.
Nov-20	58	470	5.0	.
Dec-19	68	430	3.0	.
2001 Average	70	560	10.1	2.3

San Carlos Bay-3 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°29'23", Longitude 82°2'53"

Period of record: 11 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	19	83
Long-term specific conductance (mmhos)	17	45	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 11 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	33	64	122
Long-term total nitrogen concentrations (µg/L)	340	500	820
Long-term total chlorophyll concentrations (µg/L)	3.0	9.4	26.0
Long-term Secchi depth (ft)	2.0	3.6	6.0

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-15	33	340	.	4.5
Mar-20	38	390	8.0	3.0
Apr-16	66	480	11.0	.
May-14	36	430	3.0	3.5
Jun-18	44	380	8.0	3.0
Jul-18	49	470	9.0	3.5
Aug-15	102	770	26.0	3.0
Sep-20	122	820	13.0	2.0
Oct-19	99	650	8.0	4.0
Nov-20	51	420	5.0	6.0
Dec-19	62	350	3.0	.
2001 Average	64	500	9.4	3.6

San Carlos Bay-4 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°28'50", Longitude 82°0'23"

Period of record: 11 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	18	81
Long-term specific conductance (mmhos)	21	46	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 11 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	32	54	106
Long-term total nitrogen concentrations (µg/L)	290	421	600
Long-term total chlorophyll concentrations (µg/L)	3.0	8.2	16.0
Long-term Secchi depth (ft)	2.2	2.6	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>
Jan-15	32	290	.	.
Mar-20	43	400	7.0	3.0
Apr-16	48	430	9.0	.
May-14	42	420	3.0	.
Jun-18	53	420	13.0	.
Jul-18	51	460	10.0	.
Aug-15	72	430	16.0	.
Sep-20	106	600	13.0	2.2
Oct-19	60	510	5.0	.
Nov-20	40	370	3.0	.
Dec-19	48	300	3.0	.
2001 Average	54	421	8.2	2.6

San Carlos Bay-5 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°27'18", Longitude 82°0'56"

Period of record: 12 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	2	10	49
Long-term specific conductance (mmhos)	30	49	54

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	29	45	71
Long-term total nitrogen concentrations (µg/L)	300	364	430
Long-term total chlorophyll concentrations (µg/L)	3.0	8.8	24.0
Long-term Secchi depth (ft)	3.0	5.1	10.0

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-15	29	300	3.0	.
Feb-21	35	420	4.0	.
Mar-20	37	360	7.0	4.0
Apr-16	63	420	15.0	3.0
May-14	30	350	4.0	6.0
Jun-18	33	330	5.0	5.0
Jul-18	30	340	4.0	4.0
Aug-15	71	370	15.0	5.0
Sep-20	52	350	24.0	3.0
Oct-19	61	430	14.0	4.3
Nov-20	40	340	5.0	7.0
Dec-19	56	360	6.0	10.0
2001 Average	45	364	8.8	5.1

San Carlos Bay-6 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°30'1", Longitude 82°0'53"

Period of record: 4 sampling dates; September 20, 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 stations lie in the Barrier Island 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)	129	129	129
Long-term specific conductance (mmhos)	8	8	8

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 4 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	43	69	127
Long-term total nitrogen concentrations (µg/L)	300	483	840
Long-term total chlorophyll concentrations (µg/L)	2.0	3.5	6.0
Long-term Secchi depth (ft)	2.0	5.3	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>
Sep-20	127	840	6.0	2.0
Oct-19	57	370	3.0	3.0
Nov-20	50	420	3.0	7.0
Dec-19	43	300	2.0	9.0
2001 Average	69	483	3.5	5.3

Sanibel River-1 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'20", Longitude 82°5'17"

Period of record: 45 sampling dates; December 5, 1993 to December 21, 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 lake lies in the Barrier Island 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)	132	132	132

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 45 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	18	58	217
Long-term total nitrogen concentrations (µg/L)	720	1477	2770
Long-term total chlorophyll concentrations (µg/L)	1.0	27.7	239.0
Long-term Secchi depth (ft)	1.5	3.3	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-11	32	1750	.	4.2
Feb-28	71	1570	25.0	3.3
Mar-30	45	1410	6.0	4.5
May-01	24	1490	9.0	4.4
Jun-01	37	1450	8.0	4.0
Jun-28	47	1280	11.0	3.0
Jul-31	65	1540	15.0	2.5
Aug-29	177	1710	52.0	2.5
Sep-17	217	830	4.0	5.0
Sep-28	58	1370	.	3.2
Oct-30	32	980	20.0	3.0
Nov-30	26	1220	5.0	5.0
Dec-21	30	1170	10.0	5.0
2001 Average	66	1367	15.0	3.8

Sanibel River-2 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'15", Longitude 82°6'29"

Period of record: 45 sampling dates; December 5, 1993 to December 21, 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 lake lies in the Barrier Island 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)	188	188	188

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 45 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	26	72	220
Long-term total nitrogen concentrations (µg/L)	880	1734	2780
Long-term total chlorophyll concentrations (µg/L)	3.0	23.0	109.0
Long-term Secchi depth (ft)	1.4	2.8	4.9

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>
Jan-11	46	1990	10.0	.
Feb-28	92	2440	25.0	.
Mar-30	49	1550	10.0	.
May-01	62	1730	31.0	.
Jun-01	67	1790	47.0	3.5
Jun-28	94	1450	36.0	.
Jul-31	65	1700	39.0	2.5
Aug-29	220	1500	14.0	2.5
Sep-17	110	880	4.0	4.9
Sep-28	49	1280	12.0	3.0
Oct-30	62	1600	31.0	2.8
Nov-30	40	1440	10.0	3.2
Dec-21	81	1890	75.0	3.0
2001 Average	80	1634	26.5	3.2

Sanibel River-3 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'39", Longitude 82°4'49"

Period of record: 45 sampling dates; December 5, 1993 to December 21, 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 lake lies in the Barrier Island 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)	206	206	206

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 45 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	25	84	754
Long-term total nitrogen concentrations (µg/L)	650	1575	2880
Long-term total chlorophyll concentrations (µg/L)	1.0	27.0	248.0
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>
Jan-11	48	1790	4.0	.
Feb-28	87	1360	12.0	.
Mar-30	79	1550	19.0	.
May-01	40	1360	5.0	3.0
Jun-01	47	1650	13.0	.
Jun-28	27	1230	11.0	.
Jul-31	118	2010	53.0	2.7
Aug-29	189	2070	184.0	1.5
Sep-17	53	1510	39.0	3.0
Sep-28	103	1600	14.0	2.0
Oct-30	56	1450	13.0	2.5
Nov-30	70	1740	38.0	2.0
Dec-21	109	1960	85.0	1.6
2001 Average	79	1637	37.7	2.3

Sanibel River-4 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'30", Longitude 82°2'48"

Period of record: 45 sampling dates; December 5, 1993 to December 21, 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 lake lies in the Barrier Island 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)	101	101	101

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 45 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	40	297	1342
Long-term total nitrogen concentrations (µg/L)	820	2086	4420
Long-term total chlorophyll concentrations (µg/L)	3.0	66.3	175.0
Long-term Secchi depth (ft)	1.0	2.0	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>
Jan-11	156	1910	.	2.5
Feb-28	336	2270	66.0	2.3
Mar-30	471	2150	94.0	2.0
May-01	274	2660	114.0	1.5
Jun-01	553	3890	68.0	1.0
Jun-28	177	3750	124.0	1.0
Jul-31	229	2900	113.0	1.5
Aug-29	109	1550	79.0	2.0
Sep-17	40	1340	26.0	2.9
Sep-28	175	1780	63.0	1.6
Oct-30	112	1630	71.0	2.4
Nov-30	114	1520	51.0	1.9
Dec-21	111	1530	64.0	2.0
2001 Average	220	2222	77.8	1.9

Sanibel River-5 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'34", Longitude 82°2'24"

Period of record: 45 sampling dates; December 5, 1993 to December 21, 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 lake lies in the Barrier Island 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)	147	147	147

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 45 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	41	460	1285
Long-term total nitrogen concentrations (µg/L)	600	1759	5320
Long-term total chlorophyll concentrations (µg/L)	2.0	62.5	539.0
Long-term Secchi depth (ft)	0.5	2.1	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>
Jan-11	403	2020	26.0	.
Feb-28	693	1440	41.0	.
Mar-30	523	1260	36.0	.
May-01	596	1380	53.0	.
Jun-01	473	1290	26.0	2.0
Jun-28	435	1710	38.0	2.0
Jul-31	430	1600	90.0	2.8
Aug-29	167	1840	89.0	2.4
Sep-17	43	1530	28.0	2.2
Sep-28	186	1890	67.0	1.9
Oct-30	161	1600	69.0	2.0
Nov-30	105	1230	44.0	3.0
Dec-21	147	1250	58.0	2.4
2001 Average	336	1542	51.2	2.3

Sanibel River-6 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'10", Longitude 82°5'51"

Period of record: 16 sampling dates; December 5, 1993 to December 21, 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 lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

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)	22	205	549
Long-term total nitrogen concentrations (µg/L)	1140	2380	4480
Long-term total chlorophyll concentrations (µg/L)	8.0	20.3	34.0
Long-term Secchi depth (ft)	2.0	2.0	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>
Nov-30	22	1140	8.0	.
Dec-21	45	1520	34.0	.
2001 Average	34	1330	21.0	.

Sanibel River-7 (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'14", Longitude 82°3'29"

Period of record: 2 sampling dates; November 30, 2001 to December 21, 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 lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 2 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	80	84	88
Long-term total nitrogen concentrations (µg/L)	1280	1345	1410
Long-term total chlorophyll concentrations (µg/L)	22.0	24.5	27.0
Long-term Secchi depth (ft)	2.0	2.3	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>
Nov-30	80	1410	27.0	2.5
Dec-21	88	1280	22.0	2.0
2001 Average	84	1345	24.5	2.3

Sanibel River-8 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'39", Longitude 82°4'49"

Period of record: 2 sampling dates; November 30, 2001 to December 21, 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 lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 2 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	44	45	46
Long-term total nitrogen concentrations (µg/L)	1370	1480	1590
Long-term total chlorophyll concentrations (µg/L)	7.0	9.0	11.0
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>
Nov-30	44	1370	7.0	.
Dec-21	46	1590	11.0	3.5
2001 Average	45	1480	9.0	3.5

Sea Oats (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'6", Longitude 82°6'43"

Period of record: 26 sampling dates; December 5, 1993 to August 31, 1999

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	24	39	57
Long-term total nitrogen concentrations (µg/L)	897	1810	3097
Long-term total chlorophyll concentrations (µg/L)	6.0	27.7	65.7
Long-term Secchi depth (ft)	1.0	2.7	5.8

2001 Florida LAKEWATCH Data

No samples collected in 2001

St. Kilda (Lee County)
Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°25'44", Longitude 82°6'4"

Period of record: 14 sampling dates; December 5, 1993 to September 17, 1997

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

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)	16	43	76
Long-term total nitrogen concentrations (µg/L)	743	1228	2077
Long-term total chlorophyll concentrations (µg/L)	6.0	18.4	55.3
Long-term Secchi depth (ft)	2.7	4.8	7.2

2001 Florida LAKEWATCH Data

No samples collected in 2001

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

Location: Latitude 26°26'39", Longitude 82°5'7"

Period of record: 12 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	14	60
Long-term specific conductance (mmhos)	26	48	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	25	55	75
Long-term total nitrogen concentrations (µg/L)	340	501	610
Long-term total chlorophyll concentrations (µg/L)	3.0	8.8	19.0
Long-term Secchi depth (ft)	2.5	3.1	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>
Jan-15	25	340	3.0	.
Feb-21	37	450	5.0	.
Mar-20	58	570	6.0	3.0
Apr-16	49	520	10.0	.
May-14	55	550	6.0	3.0
Jun-18	58	500	10.0	.
Jul-18	44	480	10.0	4.0
Aug-15	63	570	13.0	.
Sep-20	65	440	19.0	2.9
Oct-19	64	440	11.0	.
Nov-20	75	540	6.0	2.5
Dec-19	66	610	7.0	.
2001 Average	55	501	8.8	3.1

Tarpon Bay-2 (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°27'49", Longitude 82°4'0"

Period of record: 12 sampling dates; January 15, 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 stations lie in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	12	50
Long-term specific conductance (mmhos)	28	47	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	22	51	82
Long-term total nitrogen concentrations (µg/L)	340	423	550
Long-term total chlorophyll concentrations (µg/L)	3.0	9.4	25.0
Long-term Secchi depth (ft)	3.0	4.6	6.1

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>
Jan-15	22	340	3.0	6.1
Feb-21	34	370	4.0	5.0
Mar-20	60	460	6.0	4.5
Apr-16	73	500	11.0	3.0
May-14	39	340	7.0	4.5
Jun-18	30	340	5.0	5.0
Jul-18	33	400	6.0	6.0
Aug-15	82	550	16.0	4.0
Sep-20	60	460	25.0	3.0
Oct-19	62	480	14.0	3.5
Nov-20	56	430	8.0	4.0
Dec-19	57	410	8.0	6.0
2001 Average	51	423	9.4	4.6

Venus (Lee County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°27'41", Longitude 82°3'5"

Period of record: 8 sampling dates; May 9, 1997 to December 21, 1999

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

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)	42	55	78
Long-term total nitrogen concentrations (µg/L)	1733	2324	3190
Long-term total chlorophyll concentrations (µg/L)	5.0	12.1	23.0
Long-term Secchi depth (ft)	2.3	6.0	8.3

2001 Florida LAKEWATCH Data

No samples collected in 2001

West Rocks (Lee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°26'9", Longitude 82°7'3"

Period of record: 46 sampling dates; June 16, 1989 to July 11, 1997

Lake Region (Griffith et al. 1997): Southwestern Flatlands (75-36)

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The lake lies in the Barrier Island Coastal Strip division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 46 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	12	50	798
Long-term total nitrogen concentrations (µg/L)	1047	1591	2367
Long-term total chlorophyll concentrations (µg/L)	1.0	8.1	48.7
Long-term Secchi depth (ft)	2.1	5.9	8.2

2001 Florida LAKEWATCH Data

No samples collected in 2001