

Arch Creek (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°54'4", Longitude 80°9'47"

Period of record: 14 sampling dates; July 19, 2000 to December 25, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Pompano-Fort Lauderdale Gap subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.3	Total alkalinity (mg/L as CaCO ₃)	210.0
Conductance (µS/cm @ 25 °C)	1013	Color (Pt-Co units)	30
Chloride (mg/L)	182.0		

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	9	12	14

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)	4	46	132
Long-term total nitrogen concentrations (µg/L)	223	752	1910
Long-term total chlorophyll concentrations (µg/L)	2.0	21.7	98.3
Long-term Secchi depth (ft)	3.7	4.3	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>
Jan-19	96	1230	2.0	.
Feb-19	12	547	98.3	4.3
Apr-19	72	1243	13.3	3.7
May-01	9	447	8.3	.
May-27	32	1083	9.7	5.3
Sep-19	4	323	25.7	3.9
Oct-19	5	223	18.7	.
Nov-19	5	277	16.3	.
Dec-25	17	440	29.7	.
2001 Average	28	646	24.7	4.3

Biscayne Perrine-1 (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°35'30", Longitude 80°18'0"

Period of record: 2 sampling dates; October 22, 2000 to November 19, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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 ($\mu\text{g/L}$)	5	5	5
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	300	350	400
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	1.0	1.0	1.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Biscayne Perrine-2 (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°36'0", Longitude 80°18'0"

Period of record: 2 sampling dates; October 22, 2000 to November 19, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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 ($\mu\text{g/L}$)	5	7	9
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	280	300	320
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	1.0	1.0	1.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Biscayne Perrine-3 (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°36'30", Longitude 80°18'0"

Period of record: 2 sampling dates; October 22, 2000 to November 19, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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 ($\mu\text{g/L}$)	5	6	7
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	280	310	340
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	1.0	1.0	1.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Biscayne-1 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°37'29", Longitude 80°16'59"

Period of record: 11 sampling dates; September 21, 2000 to December 17, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	6	7
Long-term specific conductance (mmhos)	28	40	50

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)	2	8	18
Long-term total nitrogen concentrations (µg/L)	260	392	570
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-13	11	320	0.0	.
Mar-27	4	380	0.0	.
May-05	9	440	0.0	.
Aug-11	2	430	0.0	.
Oct-25	9	360	0.0	.
Nov-11	18	260	1.0	.
Dec-17	11	430	1.0	.
2001 Average	9	374	0.3	.

Biscayne-2 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°36'57", Longitude 80°17'26"

Period of record: 11 sampling dates; September 21, 2000 to December 17, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	6	7
Long-term specific conductance (mmhos)	33	42	49

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)	3	8	29
Long-term total nitrogen concentrations (µg/L)	250	347	530
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-13	3	250	0.0	.
Mar-27	4	450	0.0	.
May-05	4	260	0.0	.
Aug-11	29	530	0.0	.
Oct-25	17	380	1.0	.
Nov-11	8	260	1.0	.
Dec-17	6	310	1.0	.
2001 Average	10	349	0.4	.

Biscayne-3 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°36'48", Longitude 80°17'48"

Period of record: 11 sampling dates; September 21, 2000 to December 17, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The station lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	6	6
Long-term specific conductance (mmhos)	38	44	50

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)	2	4	7
Long-term total nitrogen concentrations (µg/L)	220	306	380
Long-term total chlorophyll concentrations (µg/L)	0.0	0.5	1.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-13	4	250	0.0	.
Mar-27	3	380	0.0	.
May-05	6	310	1.0	.
Aug-11	5	350	0.0	.
Oct-25	7	320	1.0	.
Nov-11	2	220	1.0	.
Dec-17	4	250	1.0	.
2001 Average	4	297	0.6	.

Bonita 1 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°38'12", Longitude 80°23'33"

Period of record: 2 sampling dates; October 21, 2000 to December 15, 2000

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO ₃)	83.0
Conductance (µS/cm @ 25 °C)	331	Color (Pt-Co units)	3
Chloride (mg/L)	30.8		

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)	4	5	5
Long-term total nitrogen concentrations (µg/L)	170	248	327
Long-term total chlorophyll concentrations (µg/L)	4.7	5.3	6.0
Long-term Secchi depth (ft)	9.7	11.0	12.3

2001 Florida LAKEWATCH Data

No samples collected in 2001

Colonial (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°37'3", Longitude 80°22'15"

Period of record: 13 sampling dates; September 21, 2000 to November 23, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO ₃)	73.0
Conductance (µS/cm @ 25 °C)	251	Color (Pt-Co units)	3
Chloride (mg/L)	26.0		

Periodic water chemistry data

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

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

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	11
Long-term total nitrogen concentrations (µg/L)	217	364	570
Long-term total chlorophyll concentrations (µg/L)	0.3	1.7	4.7
Long-term Secchi depth (ft)	11.0	13.6	15.0

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>
Feb-11	11	570	4.7	.
Mar-24	6	397	1.3	.
Apr-29	8	533	2.0	14.0
May-19	5	283	0.3	11.7
Jul-21	4	270	1.3	15.0
Aug-25	5	310	2.0	12.7
Sep-15	3	273	3.0	13.0
Oct-27	6	300	3.0	11.0
Nov-23	4	217	1.0	15.0
2001 Average	6	350	2.1	13.2

Crossings (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°39'35", Longitude 80°24'32"

Period of record: 8 sampling dates; July 7, 2000 to March 19, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.0	Total alkalinity (mg/L as CaCO ₃)	184.0
Conductance (µS/cm @ 25 °C)	503	Color (Pt-Co units)	9
Chloride (mg/L)	42.5		

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)	6	6	6

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)	3	3	4
Long-term total nitrogen concentrations (µg/L)	220	326	440
Long-term total chlorophyll concentrations (µg/L)	1.0	1.1	2.0
Long-term Secchi depth (ft)	21.0	24.5	28.0

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-18	3	280	1.0	25.7
Feb-21	3	327	1.0	21.7
Mar-19	3	333	1.0	21.0
2001 Average	3	313	1.0	22.8

Devon Aire (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°39'33", Longitude 80°23'35"

Period of record: 15 sampling dates; July 22, 1998 to October 17, 1999

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	5	7
Long-term total nitrogen concentrations (µg/L)	120	244	337
Long-term total chlorophyll concentrations (µg/L)	1.0	1.3	2.0
Long-term Secchi depth (ft)	13.0	18.3	22.3

2001 Florida LAKEWATCH Data

No samples collected in 2001

E (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°38'21", Longitude 80°20'52"

Period of record: 17 sampling dates; June 27, 1999 to November 8, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO ₃)	112.0
Conductance (µS/cm @ 25 °C)	421	Color (Pt-Co units)	4
Chloride (mg/L)	60.0		

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)	3	4	5

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 17 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	5	7
Long-term total nitrogen concentrations (µg/L)	233	367	730
Long-term total chlorophyll concentrations (µg/L)	1.0	1.9	3.0
Long-term Secchi depth (ft)	15.0	18.1	21.0

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-10	4	400	3.0	17.0
Feb-15	4	337	1.3	17.0
Mar-08	4	357	1.3	20.7
Apr-13	4	327	2.0	15.0
May-10	5	353	2.0	15.0
Jun-16	4	283	1.0	21.0
Jul-12	4	305	2.0	20.3
Aug-09	5	240	2.0	17.0
Sep-25	5	233	2.0	19.0
Oct-11	7	303	2.0	18.0
Nov-08	6	350	2.0	19.0
2001 Average	5	317	1.9	18.1

Feeder (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°43'48", Longitude 80°19'11"

Period of record: 1 sampling date; March 2, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

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)	13	13	13
Long-term total nitrogen concentrations (µg/L)	220	220	220
Long-term total chlorophyll concentrations (µg/L)	2.7	2.7	2.7
Long-term Secchi depth (ft)	12.0	12.0	12.0

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>
Mar-02	13	220	2.7	12.0
2001 Average	13	220	2.7	12.0

Glade (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°40'33", Longitude 80°16'21"

Period of record: 16 sampling dates; May 3, 2000 to December 18, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.7	Total alkalinity (mg/L as CaCO ₃)	155.0
Conductance (µS/cm @ 25 °C)	1153	Color (Pt-Co units)	19
Chloride (mg/L)	248.0		

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	10	13	18

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	16	31	81
Long-term total nitrogen concentrations (µg/L)	590	824	1380
Long-term total chlorophyll concentrations (µg/L)	7.0	16.3	47.0
Long-term Secchi depth (ft)	4.0	4.9	5.5

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan-19	23	833	16.0	5.5
Feb-23	18	807	11.0	5.3
Mar-22	18	857	9.0	.
Apr-19	17	730	8.3	.
Jul-26	18	617	7.0	.
Aug-24	16	653	7.0	.
Sep-18	37	590	19.7	.
Oct-30	23	637	17.7	.
Nov-15	32	617	17.3	.
Dec-18	67	657	11.7	.
2001 Average	27	700	12.5	5.4

GMSC (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°47'11", Longitude 80°20'51"

Period of record: 14 sampling dates; August 9, 2000 to December 29, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Pompano-Fort Lauderdale Gap subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	8	12	21

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)	5	6	8
Long-term total nitrogen concentrations (µg/L)	393	492	723
Long-term total chlorophyll concentrations (µg/L)	1.0	2.6	6.0
Long-term Secchi depth (ft)	8.0	12.3	17.0

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-25	7	460	1.0	17.0
Feb-08	5	393	6.0	10.0
Mar-23	7	497	2.7	10.0
Jun-23	6	500	2.7	13.5
Jul-03	5	453	1.0	13.0
Aug-11	7	435	3.3	8.0
Aug-29	6	433	3.0	12.0
Sep-22	8	497	4.0	10.5
Nov-17	6	583	2.0	13.0
Dec-29	7	613	1.0	13.0
2001 Average	6	487	2.7	12.0

Hammock 1 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°41'18", Longitude 80°16'28"

Period of record: 11 sampling dates; September 21, 2000 to August 18, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO ₃)	149.0
Conductance (µS/cm @ 25 °C)	1064	Color (Pt-Co units)	8
Chloride (mg/L)	266.0		

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	6	7

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)	8	10	12
Long-term total nitrogen concentrations (µg/L)	507	589	700
Long-term total chlorophyll concentrations (µg/L)	1.3	7.0	16.0
Long-term Secchi depth (ft)	5.0	6.8	9.7

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-18	8	557	1.3	.
Feb-20	12	513	5.0	8.3
Mar-19	9	507	3.0	9.7
May-18	10	543	6.0	6.7
Jun-20	12	557	9.7	6.0
Jul-18	10	573	9.0	5.0
Aug-18	10	567	9.3	.
2001 Average	10	545	6.2	7.1

Hammock 2 (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°41'15", Longitude 80°16'50"

Period of record: 1 sampling date; February 27, 1999

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.1	Total alkalinity (mg/L as CaCO ₃)	155.0
Conductance (µS/cm @ 25 °C)	523	Color (Pt-Co units)	12
Chloride (mg/L)	58.5		

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)	16	16	16
Long-term total nitrogen concentrations (µg/L)	703	703	703
Long-term total chlorophyll concentrations (µg/L)	11.0	11.0	11.0
Long-term Secchi depth (ft)	5.5	5.5	5.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Highland (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°58'14", Longitude 80°9'29"

Period of record: 18 sampling dates; July 19, 2000 to December 16, 2001

Surface Area (Shafer et al. 1986): 32 acres

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Pompano-Fort Lauderdale Gap subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO ₃)	109.0
Conductance (µS/cm @ 25 °C)	379	Color (Pt-Co units)	11
Chloride (mg/L)	44.0		

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)	6	8	9

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	10	14
Long-term total nitrogen concentrations (µg/L)	243	424	793
Long-term total chlorophyll concentrations (µg/L)	2.0	4.2	7.3
Long-term Secchi depth (ft)	7.0	11.3	15.3

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>
Jan-20	8	440	3.7	13.7
Feb-25	9	387	3.0	12.0
Mar-18	12	247	2.7	12.3
Apr-21	12	453	3.0	10.3
May-20	10	383	2.0	14.5
Jun-17	8	350	2.0	15.3
Jul-22	10	307	3.3	11.2
Aug-26	10	393	3.3	12.0
Sep-16	11	423	5.3	10.7
Oct-21	10	287	3.0	12.3
Nov-18	9	243	2.7	11.7
Dec-16	9	263	3.3	13.0
2001 Average	10	348	3.1	12.4

Lindgren (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°39'38", Longitude 80°24'6"

Period of record: 1 sampling date; September 21, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Shark River Ridges and Sloughs subdivision of the Everglades division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.1	Total alkalinity (mg/L as CaCO ₃)	135.0
Conductance (µS/cm @ 25 °C)	377	Color (Pt-Co units)	3
Chloride (mg/L)	30.0		

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)	7	7	7
Long-term total nitrogen concentrations (µg/L)	267	267	267
Long-term total chlorophyll concentrations (µg/L)	2.0	2.0	2.0
Long-term Secchi depth (ft)	16.0	16.0	16.0

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>
Sep-21	7	267	2.0	16.0
2001 Average	7	267	2.0	16.0

Lucy Redland (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°26'28", Longitude 80°29'32"

Period of record: 6 sampling dates; November 30, 2000 to May 20, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.0	Total alkalinity (mg/L as CaCO ₃)	92.0
Conductance (µS/cm @ 25 °C)	336	Color (Pt-Co units)	9
Chloride (mg/L)	32.0		

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)	7	7	7

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	9	13
Long-term total nitrogen concentrations (µg/L)	420	591	740
Long-term total chlorophyll concentrations (µg/L)	1.0	2.6	3.7
Long-term Secchi depth (ft)	.	.	.

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-18	5	420	1.0	.
Mar-01	11	673	2.7	.
Mar-26	9	473	2.3	.
May-20	13	740	3.0	.
2001 Average	9	577	2.3	.

North Bass (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°50'4", Longitude 80°18'0"

Period of record: 1 sampling date; December 1, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Pompano-Fort Lauderdale Gap subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.0	Total alkalinity (mg/L as CaCO ₃)	198.0
Conductance (µS/cm @ 25 °C)	517	Color (Pt-Co units)	11
Chloride (mg/L)	42.0		

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)	16	16	16
Long-term total nitrogen concentrations (µg/L)	453	453	453
Long-term total chlorophyll concentrations (µg/L)	4.3	4.3	4.3
Long-term Secchi depth (ft)	11.0	11.0	11.0

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>
Dec-01	16	453	4.3	11.0
2001 Average	16	453	4.3	11.0

Oakland (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°39'35", Longitude 80°22'23"

Period of record: 32 sampling dates; February 27, 1999 to October 28, 2001

Surface Area (LAKEWATCH 2001): 9 acres

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.0	Total alkalinity (mg/L as CaCO ₃)	86.0
Conductance (µS/cm @ 25 °C)	261	Color (Pt-Co units)	4
Chloride (mg/L)	18.5		

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)	4	5	7

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)	6	9	15
Long-term total nitrogen concentrations (µg/L)	297	486	900
Long-term total chlorophyll concentrations (µg/L)	1.0	2.7	6.0
Long-term Secchi depth (ft)	7.3	11.6	16.7

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-11	9	460	3.0	8.7
Feb-15	9	503	4.0	11.0
Mar-08	12	513	4.0	9.7
Apr-16	10	445	3.0	7.3
May-24	8	400	2.0	10.0
Jun-19	8	360	1.3	.
Jul-21	9	333	2.3	13.0
Aug-14	6	297	1.3	13.7
Sep-17	10	337	6.0	8.0
Oct-28	9	307	4.3	12.0
2001 Average	9	396	3.1	10.4

Oakland (Miami-Dade County)
Florida LAKEWATCH Aquatic Plant Summary

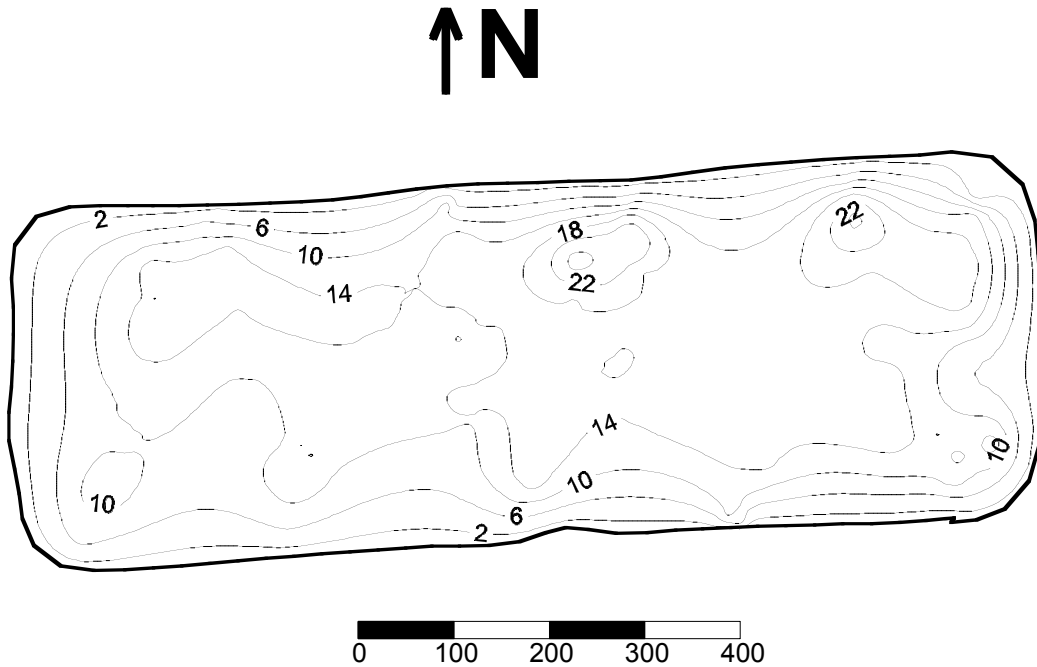
Aquatic plant data collected on August 26, 2001.

Percent area covered with aquatic vegetation (PAC, %)	70
Percent of lake's volume filled with vegetation (PVI, %)	10
Average emergent plant biomass (kg wet wt/m ²)	0.64
Average floating-leaved plant biomass (kg wet wt/m ²)	0
Average submersed plant biomass (kg wet wt/m ²)	5.28
Average width of emergent and floating-leaved zone (ft.)	4.9
Average lake depth (m)	12.14

Frequency that plant species occur in 10 evenly spaced transects around the lake.

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
musk-grass	<i>Chara sp.</i>	100
southern naidad	<i>Najas guadalupensis</i>	100
torpedograss	<i>Panicum repens</i>	90
spikerush	<i>Eleocharis sp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	20
respuinata bladderwort	<i>Utricularia respuinata</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	10
bald cypress	<i>Taxodium distichum</i>	10
coinwort	<i>Centella asiatica</i>	10
hydrilla	<i>Hydrilla verticillata</i>	3

**Oakland (Miami-Dade County)
Florida LAKEWATCH Bathymetric Map**



Florida LAKEWATCH personnel created this map using differentially corrected global positioning equipment (GPS). Data were collected August 26, 2001. Scale and map contours are in feet and were generated using kriging technique in Surfer® software package (Golden CO). The center of the lake is located at Latitude 25°39'35" and Longitude 80°22'23". On this date, the lake surface area was calculated at 9 acres (4 hectares). This is only an approximate bathymetric map and should not be used for navigation.

Pandanas (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°40'46", Longitude 80°16'19"

Period of record: 9 sampling dates; January 24, 2001 to December 18, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Pompano-Fort Lauderdale Gap subdivision of the Southern Atlantic Coastal Strip 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 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)	6	10	18
Long-term total nitrogen concentrations (µg/L)	373	517	735
Long-term total chlorophyll concentrations (µg/L)	1.0	3.4	9.7
Long-term Secchi depth (ft)	.	.	.

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-24	6	500	1.0	.
Feb-23	8	607	2.0	.
Apr-19	8	735	2.0	.
Jul-26	9	470	4.7	.
Aug-24	10	510	2.7	.
Sep-18	18	507	9.7	.
Oct-30	11	517	3.0	.
Nov-15	9	437	3.0	.
Dec-18	8	373	2.3	.
2001 Average	10	517	3.4	.

Pavillion 12 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°43'21", Longitude 80°19'16"

Period of record: 1 sampling date; March 2, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO ₃)	93.0
Conductance (µS/cm @ 25 °C)	222	Color (Pt-Co units)	7
Chloride (mg/L)	13.0		

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)	4	4	4
Long-term total nitrogen concentrations (µg/L)	683	683	683
Long-term total chlorophyll concentrations (µg/L)	3.3	3.3	3.3
Long-term Secchi depth (ft)	.	.	.

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>
Mar-02	4	683	3.3	.
2001 Average	4	683	3.3	.

Rickenbacker Causeway South-1 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°44'48", Longitude 80°12'7"

Period of record: 3 sampling dates; October 20, 2000 to December 17, 2000

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 Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

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 ($\mu\text{g/L}$)	4	6	9
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	240	257	280
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	.	.	.
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Rickenbacker Causeway South-2 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°44'42", Longitude 80°11'58"

Period of record: 3 sampling dates; October 20, 2000 to December 17, 2000

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 Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

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 ($\mu\text{g/L}$)	3	4	6
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	240	263	310
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	.	.	.
Long-term Secchi depth (ft)	6.0	6.0	6.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Rickenbacker Causeway South-3 (Miami-Dade County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°44'41", Longitude 80°11'43"

Period of record: 3 sampling dates; October 20, 2000 to December 17, 2000

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 Silver Bluff-Coastal Marsh Terrace subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

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 ($\mu\text{g/L}$)	4	5	6
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	220	250	290
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	.	.	.
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Singapore (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°57'4", Longitude 80°19'13"

Period of record: 14 sampling dates; May 3, 2000 to September 23, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by shelly Chione sand with multiple very hard sandy islands, cap rocks and laminated caliche crusts

Physiographic region (Brooks 1981b):

The lake lies in the Saw Grass Plain subdivision of the Everglades division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.7	Total alkalinity (mg/L as CaCO ₃)	92.0
Conductance (µS/cm @ 25 °C)	221	Color (Pt-Co units)	17
Chloride (mg/L)	11.5		

Periodic water chemistry data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	8	8	8

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)	17	27	50
Long-term total nitrogen concentrations (µg/L)	447	697	1607
Long-term total chlorophyll concentrations (µg/L)	2.3	11.3	33.0
Long-term Secchi depth (ft)	3.3	6.0	10.3

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>
Jan-06	31	610	15.0	4.0
Feb-17	27	580	3.7	5.3
Mar-29	50	1607	6.7	5.7
May-25	23	603	14.7	5.0
Jun-18	20	670	2.3	8.7
Jul-28	22	673	3.3	6.7
Sep-23	18	447	5.7	8.3
2001 Average	27	741	7.3	6.2

Sky (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°57'14", Longitude 80°9'35"

Period of record: 15 sampling dates; May 4, 2000 to October 28, 2001

Surface Area (Shafer et al. 1986): 20 acres

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.9	Total alkalinity (mg/L as CaCO ₃)	46.0
Conductance (µS/cm @ 25 °C)	229	Color (Pt-Co units)	5
Chloride (mg/L)	35.3		

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	21	26

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)	7	14	46
Long-term total nitrogen concentrations (µg/L)	297	995	1350
Long-term total chlorophyll concentrations (µg/L)	1.0	10.7	26.3
Long-term Secchi depth (ft)	4.0	6.4	10.2

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Feb-04	7	1037	7.7	7.0
Mar-11	9	813	4.7	8.3
Apr-01	8	757	6.0	8.3
May-06	15	650	22.0	4.0
Jun-02	15	1230	26.3	4.7
Jun-24	12	1307	18.3	4.7
Sep-02	11	980	18.3	5.0
Sep-30	19	1170	11.0	5.0
Oct-28	21	1220	11.0	5.0
2001 Average	13	1018	13.9	5.8

Snapper Creek Park (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°41'21", Longitude 80°20'35"

Period of record: 8 sampling dates; June 23, 2000 to November 18, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.6	Total alkalinity (mg/L as CaCO ₃)	106.0
Conductance (µS/cm @ 25 °C)	314	Color (Pt-Co units)	9
Chloride (mg/L)	28.8		

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)	26	26	26

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)	8	11	15
Long-term total nitrogen concentrations (µg/L)	247	369	537
Long-term total chlorophyll concentrations (µg/L)	1.3	3.5	7.0
Long-term Secchi depth (ft)	5.7	8.0	11.0

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>
Mar-27	15	407	7.0	6.0
Oct-07	10	307	4.0	8.5
Nov-18	13	270	5.0	8.0
2001 Average	13	328	5.3	7.5

Sunrise (Miami-Dade County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°43'23", Longitude 80°17'57"

Period of record: 8 sampling dates; September 21, 2000 to November 24, 2001

Lake Region (Griffith et al. 1997): Miami Ridge/Atlantic Coastal Strip (76-03)

Geologic formation (Brooks 1981a):

The geology is dominated by oolite, bioclastic and quartz sand of the Miami Formation

Physiographic region (Brooks 1981b):

The lake lies in the Miami Rock Ridge subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Periodic water chemistry data

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

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

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	22	45
Long-term total nitrogen concentrations (µg/L)	447	855	1793
Long-term total chlorophyll concentrations (µg/L)	5.7	15.8	23.7
Long-term Secchi depth (ft)	2.0	4.0	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>
Feb-02	11	650	.	5.0
Mar-10	33	793	23.7	2.0
Apr-15	17	447	5.7	4.0
May-20	16	577	9.3	3.0
Nov-24	17	827	21.7	.
2001 Average	19	659	15.1	3.5