Allen (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 27°52'56", Longitude 82°45'7"

Period of record: 3 sampling dates; July 11, 2001 to September 12, 2001

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.5	Total alkalinity (mg/L as $CaCO_3$)	108.0
Conductance (µS/cm @ 25 °C)	464	Color (Pt-Co units)	41
Chloride (mg/L)	71.0		

Periodic water chemistry data

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

	Minimum	Average	Maximum
Long-term color concentrations (Pt-Co units)	39	39	39

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	37	48	64
Long-term total nitrogen concentrations (µg/L)	1197	1498	1797
Long-term total chlorophyll concentrations (µg/L)	32.0	66.7	104.0
Long-term Secchi depth (ft)	1.8	2.3	2.8

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:

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
Jul-11	64	1197	104.0	2.4
Aug-12	37	1500	32.0	1.8
Sep-12	43	1797	64.0	2.8
2001 Average	48	1498	66.7	2.3

Cliff Stephens Park (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 27°58'26", Longitude 82°43'17"

Period of record: 70 sampling dates; July 6, 1991 to November 20, 1998

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 70 months sampled:

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	30	117	402
Long-term total nitrogen concentrations (µg/L)	580	910	1620
Long-term total chlorophyll concentrations (µg/L)	6.5	40.5	166.3
Long-term Secchi depth (ft)	1.7	4.1	7.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Country Woods (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°3'17", Longitude 82°46'18"

Period of record: 1 sampling date; September 8, 2001

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	78	78	78
Long-term total nitrogen concentrations (µg/L)	1603	1603	1603
Long-term total chlorophyll concentrations (µg/L)	.	.	.
Long-term Secchi depth (ft)	1.2	1.2	1.2

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:

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
Sep-08	78	1603	.	1.2
2001 Average	78	1603	.	1.2

Harbor (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 27°59'46", Longitude 82°44'57"

Period of record: 8 sampling dates; November 28, 1993 to December 2, 1995

Surface Area (Shafer et al. 1986): 38 acres

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula 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:

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	10	14	21
Long-term total nitrogen concentrations (µg/L)	413	538	643
Long-term total chlorophyll concentrations (µg/L)	1.3	4.3	11.0
Long-term Secchi depth (ft)	8.3	10.8	13.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Helena (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 27°53'20", Longitude 82°46'22"

Period of record: 3 sampling dates; January 23, 2000 to May 12, 2001

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated clastic and shell deposits of the Fort Thompson Group Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	171	260	405
Long-term total nitrogen concentrations (µg/L)	1400	2392	4050
Long-term total chlorophyll concentrations (µg/L)	18.7	80.6	161.3
Long-term Secchi depth (ft)	0.5	0.8	1.0

2001 Florida LAKEWATCH Data

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

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
May-12	171	1400	18.7	.
2001 Average	171	1400	18.7	.

Loch Haven (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°7'57", Longitude 82°46'12"

Period of record: 21 sampling dates; July 29, 1992 to April 9, 1997

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.3	Total alkalinity (mg/L as $CaCO_3$)	85.0
Conductance (µS/cm @ 25 °C)	439	Color (Pt-Co units)	52
Chloride (mg/L)	84.0	Silicon (mg/L)	0.6
Sulfate (mg/L)	9.5	Calcium (mg/L)	34.0
Magnesium (mg/L)	4.3	Sodium (mg/L)	47.0
Potassium (mg/L)	4.6		

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	51	91	235
Long-term total nitrogen concentrations (µg/L)	940	1661	2423
Long-term total chlorophyll concentrations (µg/L)	13.0	52.5	232.5
Long-term Secchi depth (ft)	1.3	3.0	6.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Moccasin (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 27°58'35", Longitude 82°43'45"

Period of record: 72 sampling dates; July 9, 1991 to November 20, 1998

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 72 months sampled:

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	65	111	195
Long-term total nitrogen concentrations (µg/L)	747	1254	2200
Long-term total chlorophyll concentrations (µg/L)	19.0	62.6	203.3
Long-term Secchi depth (ft)	1.3	2.5	3.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Piney Point-1 (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°9'48", Longitude 82°50'26"

Period of record: 6 sampling dates; June 10, 2001 to December 9, 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 Pinellas Peninsula division of the Southwestern Flatwoods District

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

	Minimum	Average	Maximum
Long-term color concentrations (Pt-Co units)	4	8	10
Long-term specific conductance (mmhos)	42	44	45

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	10	19	33
Long-term total nitrogen concentrations (µg/L)	380	442	580
Long-term total chlorophyll concentrations (µg/L)	1.0	3.3	6.0
Long-term Secchi depth (ft)	3.0	4.0	5.5

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:

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
Jun-10	18	380	4.0	3.5
Jul-10	33	580	6.0	3.0
Aug-27	24	470	6.0	5.5
Sep-23	14	410	2.0	.
Nov-09	13	430	1.0	.
Dec-09	10	380	1.0	.
2001 Average	19	442	3.3	4.0

Piney Point-2 (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°9'6", Longitude 82°49'51"

Period of record: 6 sampling dates; June 10, 2001 to December 9, 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 Pinellas Peninsula division of the Southwestern Flatwoods District

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

	Minimum	Average	Maximum
Long-term color concentrations (Pt-Co units)	4	6	10
Long-term specific conductance (mmhos)	46	48	50

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	7	18	27
Long-term total nitrogen concentrations (µg/L)	310	403	620
Long-term total chlorophyll concentrations (µg/L)	1.0	3.3	8.0
Long-term Secchi depth (ft)	3.5	5.5	8.0

2001 Florida LAKEWATCH Data

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

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
Jun-10	14	310	2.0	5.0
Jul-10	27	380	5.0	3.5
Aug-27	27	620	8.0	8.0
Sep-23	23	410	3.0	.
Nov-09	7	360	1.0	.
Dec-09	9	340	1.0	.
2001 Average	18	403	3.3	5.5

Piney Point-3 (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°9'41", Longitude 82°48'51"

Period of record: 6 sampling dates; June 10, 2001 to December 9, 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 Pinellas Peninsula division of the Southwestern Flatwoods District

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

	Minimum	Average	Maximum
Long-term color concentrations (Pt-Co units)	7	9	10
Long-term specific conductance (mmhos)	44	47	49

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	9	21	34
Long-term total nitrogen concentrations (µg/L)	340	456	560
Long-term total chlorophyll concentrations (µg/L)	1.0	4.5	10.0
Long-term Secchi depth (ft)	4.0	4.8	5.5

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:

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
Jun-10	18	450	4.0	.
Jul-10	34	520	10.0	4.0
Aug-27	27	560	7.0	5.5
Sep-23	16	410	4.0	.
Nov-09	.	.	1.0	.
Dec-09	9	340	1.0	.
2001 Average	21	456	4.5	4.8

Turtle (Pinellas County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°3'8", Longitude 82°46'20"

Period of record: 1 sampling date; September 10, 2001

Lake Region (Griffith et al. 1997): Pinellas Peninsula (75-28)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b)**:**
The lake lies in the Pinellas Peninsula division of the Southwestern Flatwoods District

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	157	157	157
Long-term total nitrogen concentrations (µg/L)	1260	1260	1260
Long-term total chlorophyll concentrations (µg/L)	.	.	.
Long-term Secchi depth (ft)	1.3	1.3	1.3

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:

Date	TP (µg/L)	TN (µg/L)	CHL (µg/L)	SECCHI (ft)
Sep-10	157	1260	.	1.3
2001 Average	157	1260	.	1.3