

Coral Creek-1 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°50'22", Longitude 82°16'5"

Period of record: 18 sampling dates; April 30, 2000 to December 12, 2001

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The station 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 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	16	37	57

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)	29	47	82
Long-term total nitrogen concentrations (µg/L)	390	621	1210
Long-term total chlorophyll concentrations (µg/L)	1.0	9.0	43.0
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>
Feb-27	56	700	8.0	.
Mar-16	42	440	4.0	.
Apr-16	32	540	2.0	.
May-14	31	460	1.0	.
Jun-13	33	530	4.0	.
Jul-16	35	600	4.0	.
Aug-15	48	480	11.0	.
Sep-19	82	1210	43.0	.
Oct-17	68	640	10.0	.
Nov-14	58	420	11.0	.
Dec-12	59	520	6.0	.
2001 Average	49	595	9.5	.

Coral Creek-2 (Charlotte County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°50'46", Longitude 82°16'16"

Period of record: 18 sampling dates; April 30, 2000 to December 12, 2001

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The station 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 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	18	40	62

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)	27	42	77
Long-term total nitrogen concentrations (µg/L)	440	703	1320
Long-term total chlorophyll concentrations (µg/L)	3.0	11.1	48.0
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>
Feb-27	54	610	11.0	.
Mar-16	39	440	4.0	.
Apr-16	38	820	9.0	.
May-14	37	590	4.0	.
Jun-13	35	550	11.0	.
Jul-16	36	680	11.0	.
Aug-15	45	690	16.0	.
Sep-19	77	1320	48.0	.
Oct-17	53	760	14.0	.
Nov-14	45	570	9.0	.
Dec-12	39	540	5.0	.
2001 Average	45	688	12.9	.

Coral Creek-3 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°50'54", Longitude 82°16'16"

Period of record: 18 sampling dates; April 30, 2000 to December 12, 2001

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The station 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 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	23	49	74

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)	22	39	72
Long-term total nitrogen concentrations (µg/L)	460	741	1310
Long-term total chlorophyll concentrations (µg/L)	2.0	10.3	52.0
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>
Feb-27	58	690	20.0	.
Mar-16	43	510	10.0	.
Apr-16	34	730	5.0	.
May-14	33	600	3.0	.
Jun-13	27	610	5.0	.
Jul-16	30	710	5.0	.
Aug-15	58	930	21.0	.
Sep-19	72	1310	52.0	.
Oct-17	45	820	9.0	.
Nov-14	46	650	9.0	.
Dec-12	33	610	4.0	.
2001 Average	44	743	13.0	.

Coral Creek-4 (Charlotte County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°50'43", Longitude 82°16'37"

Period of record: 17 sampling dates; April 30, 2000 to December 12, 2001

Geologic formation (Brooks 1981a):

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

Physiographic region (Brooks 1981b):

The station 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 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	21	45	68

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)	22	48	104
Long-term total nitrogen concentrations (µg/L)	490	770	1520
Long-term total chlorophyll concentrations (µg/L)	3.0	16.3	59.0
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>
Mar-16	47	520	10.0	.
Apr-16	28	630	3.0	.
May-14	36	620	3.0	.
Jun-13	22	590	8.0	.
Jul-16	28	710	5.0	.
Aug-15	60	870	26.0	.
Sep-19	104	1370	52.0	.
Oct-17	75	730	14.0	.
Nov-14	57	590	20.0	.
Dec-12	50	570	6.0	.
2001 Average	51	720	14.7	.

Pond 1 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 28°53'15", Longitude 82°14'7"

Period of record: 26 sampling dates; January 13, 1996 to June 3, 1998

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

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 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)	46	143	406
Long-term total nitrogen concentrations (µg/L)	1053	1957	4463
Long-term total chlorophyll concentrations (µg/L)	36.7	108.8	324.0
Long-term Secchi depth (ft)	1.0	1.8	2.6

2001 Florida LAKEWATCH Data

No samples collected in 2001

Pond 2 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°53'8", Longitude 82°1'47"

Period of record: 26 sampling dates; January 13, 1996 to June 3, 1998

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

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 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)	92	207	347
Long-term total nitrogen concentrations (µg/L)	1080	2321	4173
Long-term total chlorophyll concentrations (µg/L)	46.0	118.9	282.3
Long-term Secchi depth (ft)	0.8	1.6	2.6

2001 Florida LAKEWATCH Data

No samples collected in 2001

Pond 3 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°53'11", Longitude 82°1'54"

Period of record: 30 sampling dates; September 20, 1995 to June 3, 1998

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

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 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 30 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	111	251	513
Long-term total nitrogen concentrations (µg/L)	1523	2192	3853
Long-term total chlorophyll concentrations (µg/L)	23.7	98.9	235.3
Long-term Secchi depth (ft)	0.8	1.7	2.6

2001 Florida LAKEWATCH Data

No samples collected in 2001

Pond 4 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°53'37", Longitude 82°2'12"

Period of record: 26 sampling dates; January 24, 1996 to June 3, 1998

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

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 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)	51	162	311
Long-term total nitrogen concentrations (µg/L)	943	1838	2660
Long-term total chlorophyll concentrations (µg/L)	5.5	84.6	159.0
Long-term Secchi depth (ft)	0.9	1.6	3.3

2001 Florida LAKEWATCH Data

No samples collected in 2001

Pond 5 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°53'32", Longitude 82°2'6"

Period of record: 25 sampling dates; January 24, 1996 to June 3, 1998

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

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 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 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	74	154	274
Long-term total nitrogen concentrations (µg/L)	1217	1834	4000
Long-term total chlorophyll concentrations (µg/L)	5.3	42.1	79.7
Long-term Secchi depth (ft)	1.4	2.7	4.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Pond 6 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°53'44", Longitude 82°2'1"

Period of record: 25 sampling dates; January 24, 1996 to June 3, 1998

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

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 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 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	41	83	132
Long-term total nitrogen concentrations (µg/L)	1043	1580	2897
Long-term total chlorophyll concentrations (µg/L)	32.3	63.5	150.0
Long-term Secchi depth (ft)	1.4	2.0	3.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Pond 7 (Charlotte County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 26°53'33", Longitude 82°1'52"

Period of record: 25 sampling dates; January 24, 1996 to June 3, 1998

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

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 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 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	42	73	119
Long-term total nitrogen concentrations (µg/L)	1053	1454	1723
Long-term total chlorophyll concentrations (µg/L)	20.7	37.8	79.0
Long-term Secchi depth (ft)	1.5	2.5	4.0

2001 Florida LAKEWATCH Data

No samples collected in 2001