

Manatee Springs-1 (Levy County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°29'29", Longitude 82°58'32"

Period of record: 2 sampling dates; November 29, 2001 to December 15, 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 Lower subdivision of the Suwanne River Valley division of the Ocala Uplift 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)	22	23	24
Long-term total nitrogen concentrations (µg/L)	1590	1645	1700
Long-term total chlorophyll concentrations (µg/L)	0.0	0.0	0.0
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>
Nov-29	24	1590	0.0	.
Dec-15	22	1700	0.0	.
2001 Average	23	1645	0.0	.

Manatee Springs-2 (Levy County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°29'22", Longitude 82°58'42"

Period of record: 2 sampling dates; November 29, 2001 to December 15, 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 Lower subdivision of the Suwanne River Valley division of the Ocala Uplift 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)	22	28	33
Long-term total nitrogen concentrations (µg/L)	1570	1585	1600
Long-term total chlorophyll concentrations (µg/L)	1.0	4.0	7.0
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>
Nov-29	22	1570	7.0	.
Dec-15	33	1600	1.0	.
2001 Average	28	1585	4.0	.

Manatee Springs-3 (Levy County)
Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°29'20", Longitude 82°58'53"

Period of record: 2 sampling dates; November 29, 2001 to December 15, 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 Lower subdivision of the Suwanne River Valley division of the Ocala Uplift 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)	20	22	24
Long-term total nitrogen concentrations (µg/L)	1510	1540	1570
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>
Nov-29	24	1510	0.0	.
Dec-15	20	1570	1.0	.
2001 Average	22	1540	0.5	.

Suwannee River-4 (Levy County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°31'6", Longitude 82°58'48"

Period of record: 2 sampling dates; November 29, 2001 to December 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by limestone consisting of skeletons of fossils in a silt to sand size matrix of the Ocala Limestone Formation

Physiographic region (Brooks 1981b):

The station lies in the Lower subdivision of the Suwannee River Valley division of the Ocala Uplift 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)	88	88	88
Long-term total nitrogen concentrations (µg/L)	970	1225	1480
Long-term total chlorophyll concentrations (µg/L)	1.0	1.5	2.0
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>
Nov-29	88	1480	1.0	.
Dec-15	88	970	2.0	.
2001 Average	88	1225	1.5	.

Suwannee River-5 (Levy County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°29'22", Longitude 82°58'57"

Period of record: 2 sampling dates; November 29, 2001 to December 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by limestone consisting of skeletons of fossils in a silt to sand size matrix of the Ocala Limestone Formation

Physiographic region (Brooks 1981b):

The station lies in the Lower subdivision of the Suwannee River Valley division of the Ocala Uplift 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)	33	72	111
Long-term total nitrogen concentrations (µg/L)	990	1225	1460
Long-term total chlorophyll concentrations (µg/L)	2.0	2.0	2.0
Long-term Secchi depth (ft)	10.8	10.8	10.8

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>
Nov-29	33	1460	2.0	10.8
Dec-15	111	990	2.0	.
2001 Average	72	1225	2.0	10.8

Suwannee River-6 (Levy County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°28'45", Longitude 82°59'11"

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

Geologic formation (Brooks 1981a):

The geology is dominated by limestone consisting of skeletons of fossils in a silt to sand size matrix of the Ocala Limestone Formation

Physiographic region (Brooks 1981b):

The station lies in the Lower subdivision of the Suwannee River Valley division of the Ocala Uplift 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)	102	102	102
Long-term total nitrogen concentrations (µg/L)	980	980	980
Long-term total chlorophyll concentrations (µg/L)	.	.	.
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>
Dec-15	102	980	.	.
2001 Average	102	980	.	.