

Lowe (Suwannee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°13'16", Longitude 82°50'9"

Period of record: 8 sampling dates; November 8, 1995 to October 18, 1997

Lake Region (Griffith et al. 1997): Northern Peninsula Karst Plains (65-06)

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 Wellborn Hills subdivision of the Wellborn Uplands division of the Ocala Uplift District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	5.8	Total alkalinity (mg/L as CaCO ₃)	2.4
Conductance (µS/cm @ 25 °C)	52	Color (Pt-Co units)	242
Chloride (mg/L)	16.0	Silicon (mg/L)	4.3
Sulfate (mg/L)	0.0	Calcium (mg/L)	3.1
Magnesium (mg/L)	1.0	Sodium (mg/L)	4.1
Potassium (mg/L)	2.0	Iron (mg/L)	0.3

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)	83	255	329
Long-term total nitrogen concentrations (µg/L)	870	977	1087
Long-term total chlorophyll concentrations (µg/L)	3.7	14.7	48.3
Long-term Secchi depth (ft)	2.0	2.5	3.1

2001 Florida LAKEWATCH Data

No samples collected in 2001

Peacock (Suwannee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°14'21", Longitude 82°53'52"

Period of record: 8 sampling dates; August 14, 1991 to March 11, 1992

Lake Region (Griffith et al. 1997): Northern Peninsula Karst Plains (65-06)

Geologic formation (Brooks 1981a):

The geology is a mixture of two major types dominated by terrace deposits of surface sand over clayey sand and clay with basal deposits of limestone of the preglacial Pleistocene and phosphatic sand, silty sand, and clay of the Hawthorne Formation

Physiographic region (Brooks 1981b):

The lake lies in the Wellborn Hills subdivision of the Wellborn Uplands division of the Ocala Uplift 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)	70	84	99
Long-term total nitrogen concentrations (µg/L)	953	1286	1467
Long-term total chlorophyll concentrations (µg/L)	7.3	39.3	106.3
Long-term Secchi depth (ft)	2.1	4.3	6.8

2001 Florida LAKEWATCH Data

No samples collected in 2001

White (Suwannee County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°14'52", Longitude 82°54'51"

Period of record: 3 sampling dates; December 6, 1995 to February 25, 1996

Surface Area (Shafer et al. 1986): 42 acres

Lake Region (Griffith et al. 1997): Northern Peninsula Karst Plains (65-06)

Geologic formation (Brooks 1981a):

The geology is dominated by phosphatic sand, clayey fine sand, and clay of the Bone Valley Formation

Physiographic region (Brooks 1981b):

The lake lies in the Rocky Creek Terrace subdivision of the Wellborn Uplands division of the Ocala Uplift District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	6.6	Total alkalinity (mg/L as CaCO ₃)	7.1
Conductance (µS/cm @ 25 °C)	46	Color (Pt-Co units)	20
Chloride (mg/L)	9.7	Silicon (mg/L)	0.1
Sulfate (mg/L)	0.3	Calcium (mg/L)	3.8
Magnesium (mg/L)	1.1	Sodium (mg/L)	3.6
Potassium (mg/L)	0.1	Iron (mg/L)	0.0

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 (µg/L)	19	44	81
Long-term total nitrogen concentrations (µg/L)	457	759	1230
Long-term total chlorophyll concentrations (µg/L)	6.0	43.1	102.0
Long-term Secchi depth (ft)	6.5	6.8	7.2

2001 Florida LAKEWATCH Data

No samples collected in 2001