

Suzy (DeSoto County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 27°3'3", Longitude 82°1'47"

Period of record: 40 sampling dates; September 18, 1998 to December 23, 2001

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

Geologic formation (Brooks 1981a):

The geology is dominated by coastal sand and shelly silty sand of the preglacial Pleistocene

Physiographic region (Brooks 1981b):

The lake lies in the DeSoto Slope division of the Southwestern Flatwoods District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.0	Total alkalinity (mg/L as CaCO ₃)	30.0
Conductance (µS/cm @ 25 °C)	351	Color (Pt-Co units)	49
Chloride (mg/L)	95.0		

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)	22	28	41

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 40 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	38	89	330
Long-term total nitrogen concentrations (µg/L)	680	1020	1757
Long-term total chlorophyll concentrations (µg/L)	2.7	28.7	245.0
Long-term Secchi depth (ft)	2.2	4.2	7.5

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-16	56	1080	18.0	5.5
Feb-16	72	1220	4.7	5.5
Mar-16	87	1017	17.3	3.3
Apr-16	102	1193	12.0	3.7
May-17	65	1090	5.7	5.5
Jun-14	80	1200	37.7	3.8
Jul-12	119	1177	61.7	3.0
Aug-07	330	1757	245.0	2.5
Sep-11	220	1253	52.0	2.7
Oct-16	127	1033	30.7	3.5
Nov-13	90	1127	40.0	3.5
Dec-23	64	1007	27.0	5.2
2001 Average	118	1179	46.0	4.0