

## Andrews (Taylor County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°16'24", Longitude 83°38'54"

**Period of record:** 3 sampling dates; April 11, 1996 to December 7, 1996

**Surface Area** (Shafer et al. 1986): 44 acres

**Lake Region** (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

**Geologic formation** (Brooks 1981a):

The geology is dominated by terrace deposits of surface sand over clayey sand and clay with basal deposits of limestone of the preglacial Pleistocene

**Physiographic region** (Brooks 1981b):

The lake lies in the San Pedro Bay subdivision of the Flats and Swamps division of the Ocala Uplift District

### Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	5.4	Total alkalinity (mg/L as CaCO <sub>3</sub> )	0.5
Conductance (µS/cm @ 25 °C)	30	Color (Pt-Co units)	85
Chloride (mg/L)	7.2	Silicon (mg/L)	0.1
Sulfate (mg/L)	0.7	Calcium (mg/L)	1.4
Magnesium (mg/L)	0.8	Sodium (mg/L)	2.6
Potassium (mg/L)	0.7	Iron (mg/L)	0.1

### 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)	11	12	13
Long-term total nitrogen concentrations (µg/L)	413	438	457
Long-term total chlorophyll concentrations (µg/L)	2.7	5.0	8.3
Long-term Secchi depth (ft)	6.0	7.0	7.9

### 2001 Florida LAKEWATCH Data

No samples collected in 2001

## Jaycee Pond (Taylor County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'22", Longitude 83°34'23"

**Period of record:** 14 sampling dates; May 7, 1998 to March 28, 2000

**Lake Region** (Griffith et al. 1997): Big Bend Karst (75-06)

**Geologic formation** (Brooks 1981a):

The geology is dominated by Suwannee Limestone, bedded pure to slightly sandy limestone, cryptocrystalline hard dense limestone, often occurs in marly matrix, becomes interbedded downward with the Ocala Limestone, much secondary dolomitization

**Physiographic region** (Brooks 1981b):

The lake lies in the Keaton Beach Coastal Strip subdivision of the Big Bend Karst division of the Ocala Uplift District

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 14 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	73	155	400
Long-term total nitrogen concentrations (µg/L)	467	1335	3367
Long-term total chlorophyll concentrations (µg/L)	5.0	65.7	262.7
Long-term Secchi depth (ft)	0.6	1.9	4.7

### 2001 Florida LAKEWATCH Data

No samples collected in 2001