

## East Nassau (Nassau County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°36'47", Longitude 81°31'18"

**Period of record:** 15 sampling dates; September 18, 1996 to November 20, 1997

**Lake Region** (Griffith et al. 1997): Eastern Flatlands (75-10)

**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 Sea Islands subdivision of the Northern Coastal Strip division of the Sea Island District

### Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.2	Total alkalinity (mg/L as CaCO <sub>3</sub> )	13.7
Conductance (µS/cm @ 25 °C)	218	Color (Pt-Co units)	20
Chloride (mg/L)	38.8	Silicon (mg/L)	0.2
Sulfate (mg/L)	17.0	Calcium (mg/L)	9.4
Magnesium (mg/L)	3.0	Sodium (mg/L)	20.0
Potassium (mg/L)	1.3	Iron (mg/L)	0.0

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 15 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	9	13	16
Long-term total nitrogen concentrations (µg/L)	253	376	493
Long-term total chlorophyll concentrations (µg/L)	2.0	7.2	19.7
Long-term Secchi depth (ft)	4.5	7.2	9.5

### 2001 Florida LAKEWATCH Data

No samples collected in 2001