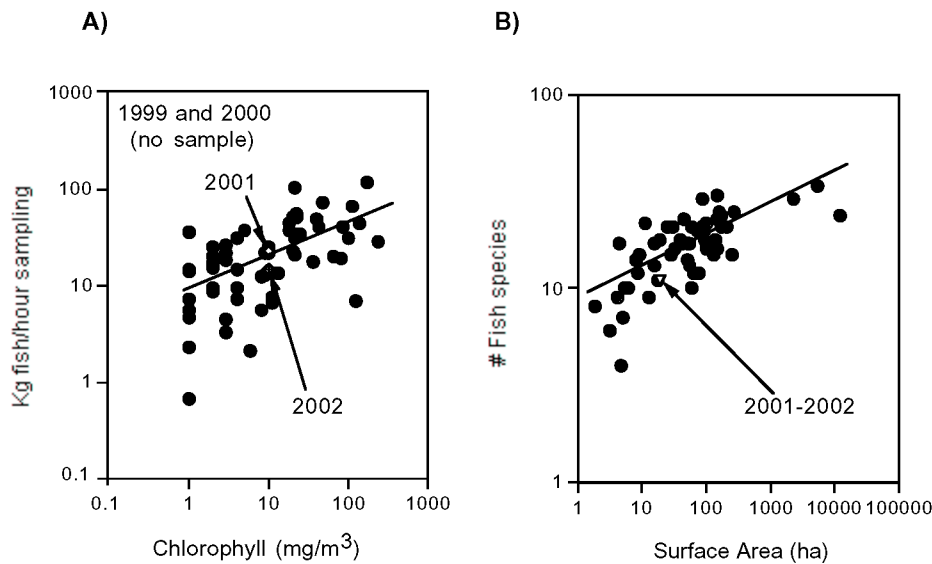


**Wilson (Hillsborough County)**  
**2002 LAKEWATCH Electrofishing Data**

Species <sup>1</sup>	#/hr	kg/hr <sup>2</sup>	Canfield and Hoyer (1992) Ranges		
			min weight (kg/hr)	mean weight (kg/hr)	max weight (kg/hr)
Blue tilapia	1	1.021	0.611	2.635	6.963
Bluegill	54	2.019	0.039	4.966	44.702
Brook silverside	1	0.003	0.000	0.013	0.065
Florida gar	1	1.201	0.080	5.393	32.858
Largemouth bass	19	3.216	0.112	9.084	32.667
Redear sunfish	54	7.475	0.037	2.615	18.310
<b>Total</b>	<b>130</b>	<b>14.935</b>			

<sup>1</sup> Total # of species = 6.

<sup>2</sup> Weights calculated using regressions from Hoyer and Canfield 1994 and from Florida Fish and Wildlife Conservation Commission (personal communication).



A) Catch per unit of effort (kg of fish / hour of sampling) versus total chlorophyll (mg/m<sup>3</sup>) for 60 Florida lakes sampled by Canfield and Hoyer (1992) (●) and Lake Wilson (Hillsborough County) 1999 (○), 2000 (⊕) and 2001 (◇) and 2002 (◆) electrofishing sampling. B) Number of fish species collected versus surface area of lake for 60 Florida lakes sampled by Canfield and Hoyer (1992) (●), and cumulative Lake Wilson (1999-2002) (△) electrofishing sampling. The lines represent linear regressions for log values of the 60 Florida lakes.

**Wilson (Hillsborough County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 28° 8' 50", Longitude 82° 29' 13"

**Period of record:** 61 sampling dates; February 21, 1993 to August 25, 2002

**Surface Area** (LAKEWATCH): 62 acres

**Lake Region** (Griffith et al. 1997): Land-o-Lakes (75-24)

**Geologic formation** (Brooks 1981a): The geology is dominated by argillaceous to sandy impure limestone of the Tampa Formation

**Physiographic region** (Brooks 1981b): The lake lies in the Land-o-Lakes subdivision of the Tampa Plain division of the Ocala Uplift District

**Supplemental water chemistry data**

Data reported are means from 1 sampling date:

pH	7.7	Total alkalinity (mg/L as CaCO <sub>3</sub> )	32.0
Conductance (µS/cm @ 25 °C)	292	Chloride (mg/L)	54.5

**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)	9	10	11

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 61 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	17	32
Long-term total nitrogen concentrations (µg/L)	560	796	1157
Long-term total chlorophyll concentrations (µg/L)	4.0	10.4	23.7
Long-term Secchi depth (ft)	4.0	6.9	10.7

**2002 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 2002:

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jan 12	13	760	9.3	5.7
Mar 23	17	680	4.7	7.2
Apr 23	16	737	7.0	6.0
May 29	17	753	7.3	6.0
Jun 29	19	867	18.0	4.0
Jul 31	15	870	13.3	5.0
Aug 25	19	787	12.7	4.8
2002 Average	16	779	10.3	5.5

**Wilson (Hillsborough)**  
**Florida LAKEWATCH Aquatic Plant Summary**

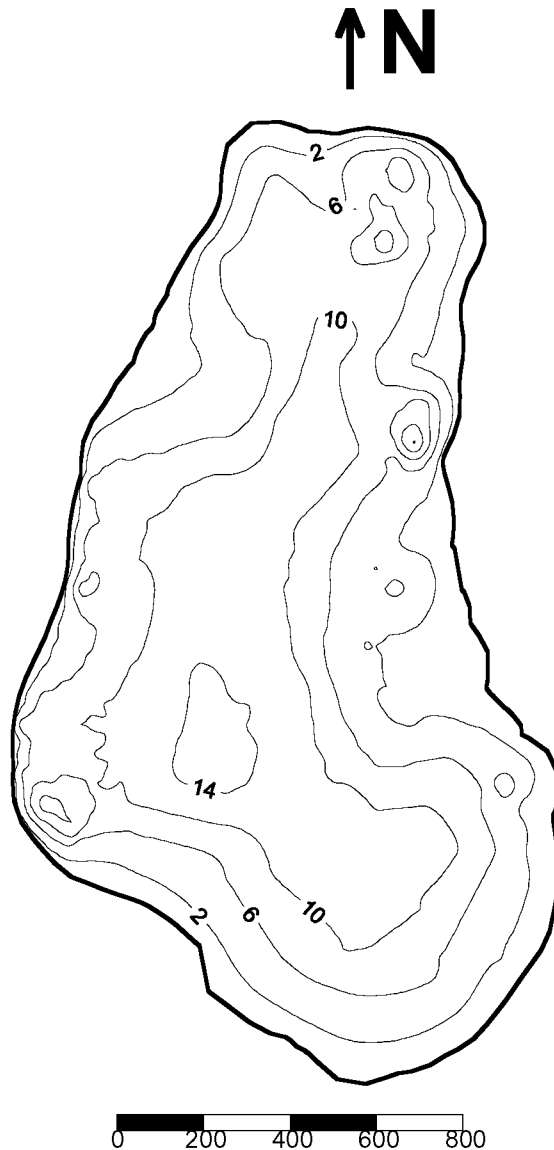
Aquatic plant data collected on June 20, 2001

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average floating-leafed plant biomass (kg wet wt/m <sup>2</sup> )	0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leafed zone (ft.)	0
Average lake depth (m)	3.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	90
bald cypress	<i>Taxodium distichum</i>	80
respuinata bladderwort	<i>Utricularia resupinata</i>	70
torpedograss	<i>Panicum repens</i>	60
flat-sedge	<i>Cyperus odoratus</i>	50
stonewort	<i>Nitella spp.</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	40
smartweed	<i>Polygonum hydropiperoides</i>	40
cat-tail	<i>Typha spp.</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia octovalvis</i>	40
sedge spp.	<i>Cyperus spp.</i>	40
willow	<i>Salix spp.</i>	30
maidencane	<i>Panicum hemitomon</i>	20
red maple	<i>Acer rubrum</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	10
spatterdock	<i>Nuphar luteum</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10
melaleuca	<i>Melaleuca quinquenervia</i>	10
swamp tupelo	<i>Nyssa sylvatica</i>	10

**Wilson (Hillsborough County)**  
**Florida LAKEWATCH Bathymetric Map**



Florida LAKEWATCH personnel created this map using differentially corrected global positioning equipment (GPS). Data were collected June 20, 2001. Scale and map contours are in feet and were generated using kriging technique in Surfer® software package (Golden CO). The center of the lake is located at Latitude 28° 8' 50 and Longitude 82° 29' 13. On this date, the lake surface area was calculated at 46 acres (19 hectares). This is only an approximate bathymetric map and should not be used for navigation.