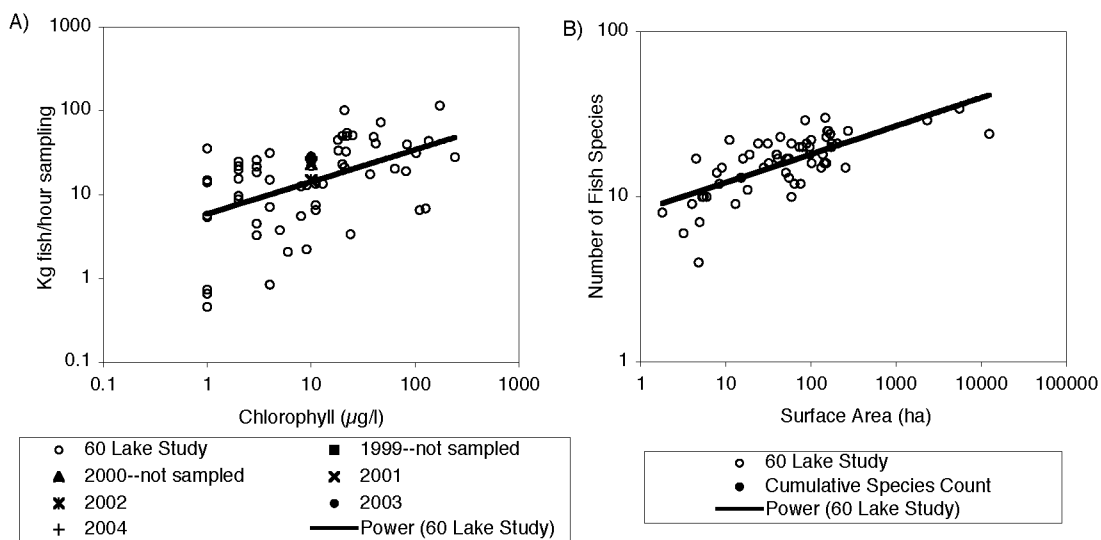


**Wilson (Hillsborough County)
2004 LAKEWATCH Electrofishing Data**

Species [†]	#/hr	kg/hr [‡]	Canfield and Hoyer (1992) Ranges		
			min weight (kg/hr)	mean weight (kg/hr)	max weight (kg/hr)
Blue tilapia	1	1.30	0.611	2.634	6.963
Black crappie	3	0.77	0.008	0.667	2.866
Bluegill	83	2.51	0.039	4.966	44.702
Bowfin	4	4.63	0.746	6.049	22.497
Brown bullhead	1	0.72	0.009	1.666	7.214
Brook silverside	4	0.01	0.000	0.013	0.065
Dollar sunfish	1	0.01	0.003	0.031	0.050
Florida gar	5	4.88	0.080	5.393	32.858
Golden shiner	27	0.62	0.004	0.652	6.504
Golden topminnow	1	0.00	0.000	0.009	0.020
Lake chubsucker	15	3.11	0.030	4.234	16.190
Largemouth bass	31	7.61	0.112	9.084	32.667
Mosquitofish	6	0.00	0.000	0.015	0.197
Redear sunfish	38	1.75	0.037	2.615	18.310
Taillight shiner	5	0.00	0	0.008	0.04
Warmouth	1	0.03	0.000	0.156	1.196
Total	226	27.95			

[†] Total # of species = 16.

[‡] 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 ($\mu\text{g} / \text{l}$) for 60 Florida lakes sampled by Canfield & Hoyer (1992) (O) & Lake Wilson (Hillsborough County) for electrofishing sampling from 1999-2004.

B) Number of fish species collected versus surface area for 60 Florida lakes sampled by Canfield & Hoyer (1992) (O) & Lake Wilson (Hillsborough County) (1999-2004) (•) electrofishing. The power lines represent linear regressions of 60 Florida lakes.

Wilson (Hillsborough County) Florida LAKEWATCH Water Chemistry Summary

Station Locations: Station 1: Latitude 28°8'42.78", Longitude 82°29'9.54"
 Station 2: Latitude 28°8'46.5", Longitude 82°29'12.6"
 Station 3: Latitude 28°8'58.26", Longitude 82°29'11.22"

Period of record: 74 sampling dates; February 21, 1993 to July 25, 2004

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 ₃)	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 74 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	798	1157
Long-term total chlorophyll concentrations (μg/L)	3.7	10.1	31.7
Long-term Secchi depth (ft)	4.0	6.7	10.7

2004 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 2004:

<u>Date</u>	<u>TP (μg/L)</u>	<u>TN (μg/L)</u>	<u>CHL (μg/L)</u>	<u>SECCHI (ft)</u>
Jan-06	26	960	31.7	4.3
Feb-21	10	800	6.7	7.7
Mar-13	17	647	8.7	6.3
Apr-24	17	623	4.3	6.6
May-17	16	783	4.3	7.0
Jul-25	21	773	4.3	6.6
2004 Average	18	764	10.0	6.4

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 ²)	0.9
Average floating-leafed plant biomass (kg wet wt/m ²)	0
Average submersed plant biomass (kg wet wt/m ²)	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)
Florida LAKEWATCH Aquatic Plant Summary

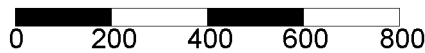
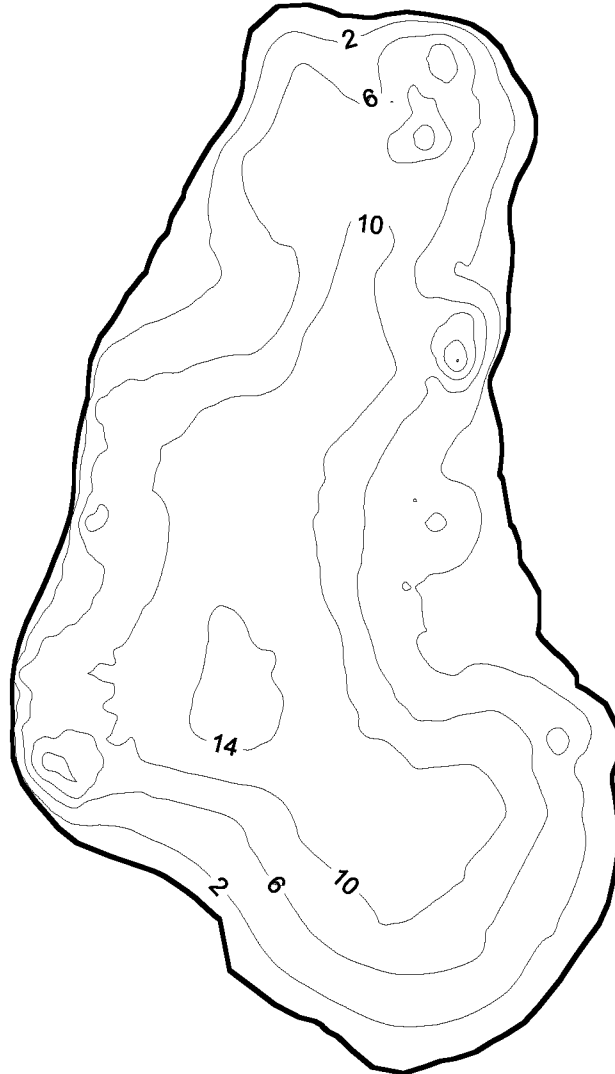
Aquatic plant data collected on June 23, 2004

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.8
Average emergent plant biomass (kg wet wt/m ²)	3.4
Average floating-leaved plant biomass (kg wet wt/m ²)	0.7
Average submersed plant biomass (kg wet wt/m ²)	1.9
Average width of emergent and floating-leaved zone (ft.)	62.0
Average lake depth (m)	3.5

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

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
torpedograss	<i>Panicum repens</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	70
banana-lily	<i>Nymphoides aquatica</i>	70
pickerelweed	<i>Pontederia cordata</i>	70
cat-tail	<i>Typha spp.</i>	70
bladderwort	<i>Utricularia foliosa</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	50
tapegrass	<i>Vallisneria americana</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	40
hydrilla	<i>Hydrilla verticillata</i>	40
red ludwigia	<i>Ludwigia repens</i>	40
maidencane	<i>Panicum hemitomon</i>	40
willow	<i>Salix spp.</i>	40
alligator-weed	<i>Alternanthera philoxeroides</i>	30
water primrose	<i>Ludwigia octovalvis</i>	30
spatterdock	<i>Nuphar luteum</i>	30
cypress spp.	<i>Taxodium spp.</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
cone-spur bladderwort	<i>Utricularia gibba</i>	20
bacopa	<i>Bacopa monnieri</i>	10
common duckweed	<i>Lemna minor</i>	10
respuinata bladderwort	<i>Utricularia resupinata</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.¹

¹Map revised with new gridding procedures 2/10/05.