

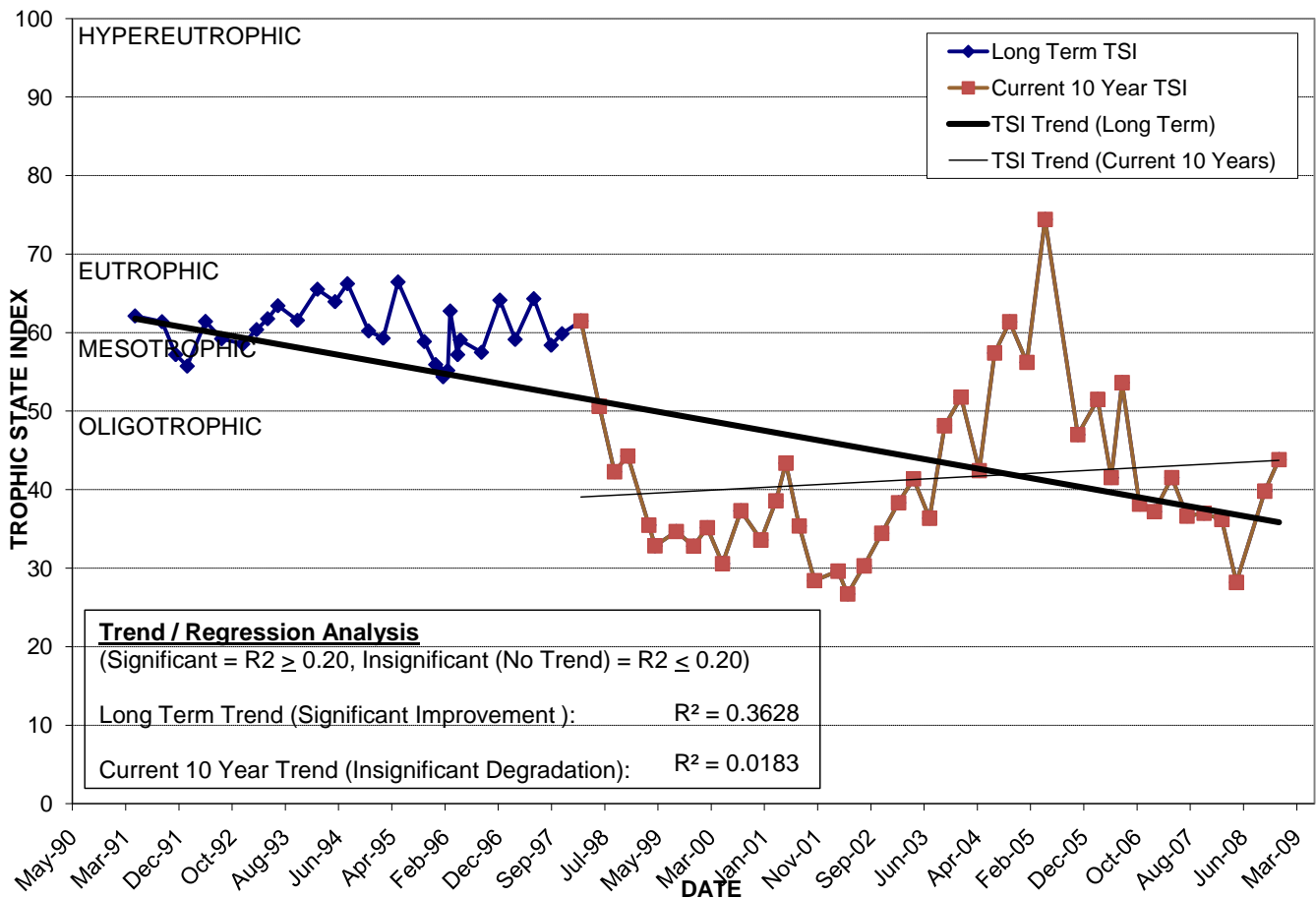
# LAKE BEAUTY

Location: Lat **N 28° 31' 23.5"** Long **W 81° 22' 37.9"**  
 Section **2** Township **23S** Range **29E**  
 Lake Surface Area: **2 acres**  
 Lake Volume: **594,000 ft<sup>3</sup>**  
 Shoreline Length: **1,114 ft (339 m)**  
 Mean Depth: **6.3 ft (1.9 m)**  
 Maximum Depth:

Water Management District: **St. Johns River**  
 Drainage Code: **SJ-LE-31**  
 Drainage Basin Area: **41 acres**  
 Land Use: **78% Com, 4% Vac**  
 Drain Wells: **No** Aeration: **Yes** (installed 10/86)  
 Lake Origin: **Natural**  
 Grass Carp (*Ctenopharyngodon idella*): **Yes**

<b>2008 Water Quality Data</b>		<b>TSI Ranking: 16 (out of 95 lakes)</b>			
	Total Phosphorus (mg/l)	Total Nitrogen (mg/l)	Secchi Depth (m)	Chlorophyll-a (mg/m <sup>3</sup> )	Trophic State Index
Minimum	0.027	0.41	1.7	1.2	28
Maximum	0.035	0.57	3.8	7.3	44
Average	0.031	0.50	2.9	4.3	36

**Long-Term Trophic State Index Values and Linear Regression Trend Line**



**Comments:** Experimental calcium treatment in January 1996 did not result in short term water quality improvements but may have had a long term effect. Dramatic improvement in water quality observed since 1998.

**Location:** Adjacent to Orange Ave. (on the west side) between Lake Beauty Dr. and Miller St., in front of Arnold Palmer's Hospital for Women and Children.