

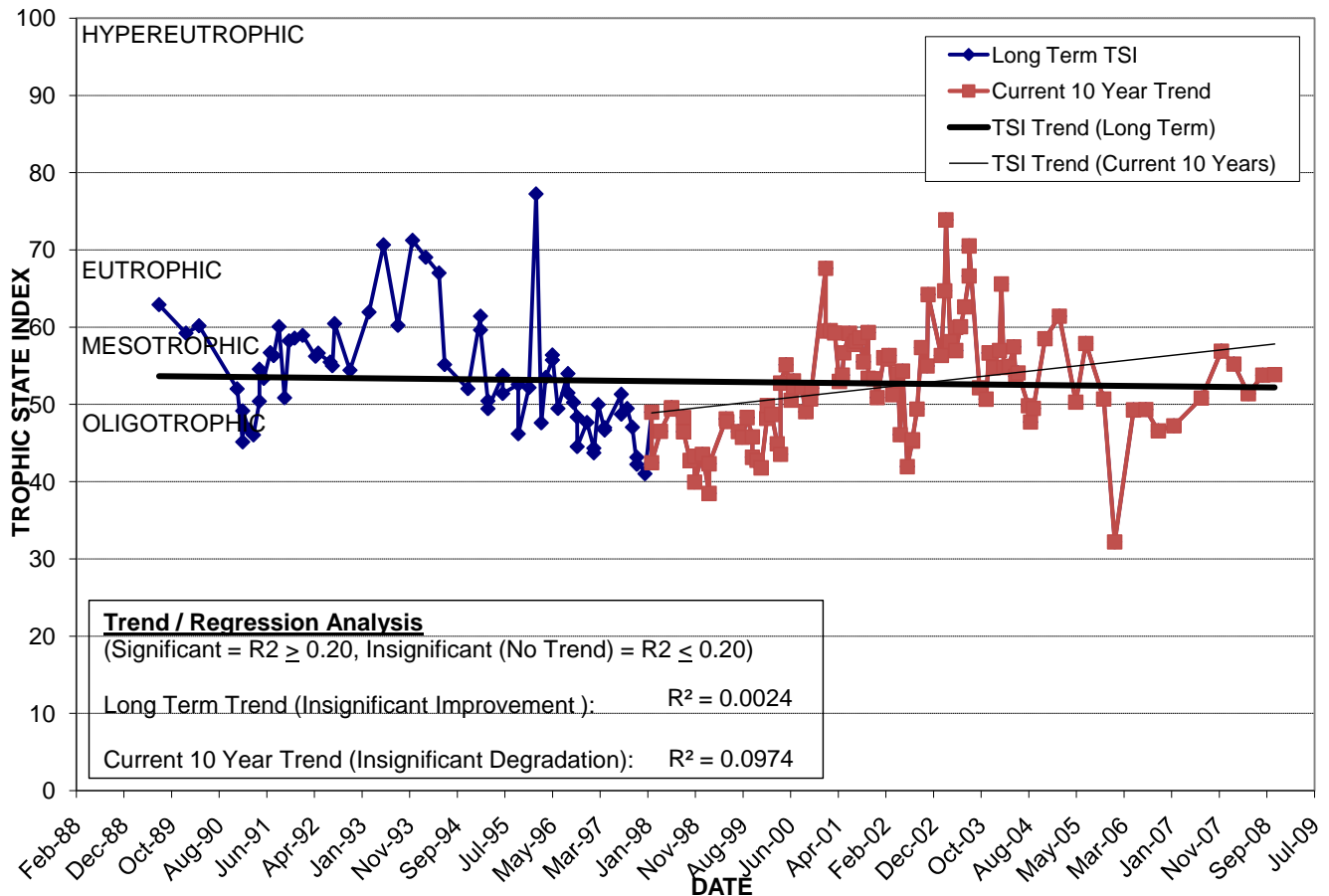
# LAKE EOLA

Location: Lat **N 28° 32' 39.1"** Long **W 81° 22' 21.4"**  
 Section **25** Township **22S** Range **29E**  
 Lake Surface Area: **28 acres**  
 Lake Volume: **13,876,400 ft<sup>3</sup>**  
 Shoreline Length: **4,493 ft (1,369 m)**  
 Mean Depth: **11.4 ft (3.5 m)**  
 Maximum Depth: **23.7 ft (7.2 m)**

Water Management District: **St. Johns River**  
 Drainage Code: **SJ-HB-32**  
 Drainage Basin Area: **320 acres**  
 Land Use: **29% Res, 27% Com, 23% Vac**  
 Drain Wells: **3** Aeration: **Yes** (installed 10/86)  
 Lake Origin: **Natural**  
 Grass Carp (*Ctenopharyngodon idella*): **Yes**

2008 Water Quality Data		TSI Ranking: 61 (out of 95 lakes)			
	Total Phosphorus (mg/l)	Total Nitrogen (mg/l)	Secchi Depth (m)	Chlorophyll-a (mg/m3)	Trophic State Index
Minimum	0.035	0.58	1.1	12.2	51
Maximum	0.056	0.95	1.3	20.6	55
Average	0.043	0.71	1.2	16.2	54

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



**Comments:** In the early 1980's an EPA diagnostic and feasibility study was performed. Restoration activities included stormwater treatment and draw down. Diversion of an inflow of nutrient rich groundwater in 1996 appears to have improved water quality. Popular recreational lake.

**Location:** Landmark downtown lake that is bordered by Robinson St. to the north, Central Blvd. to the south, and Rosalind Ave. to the west.