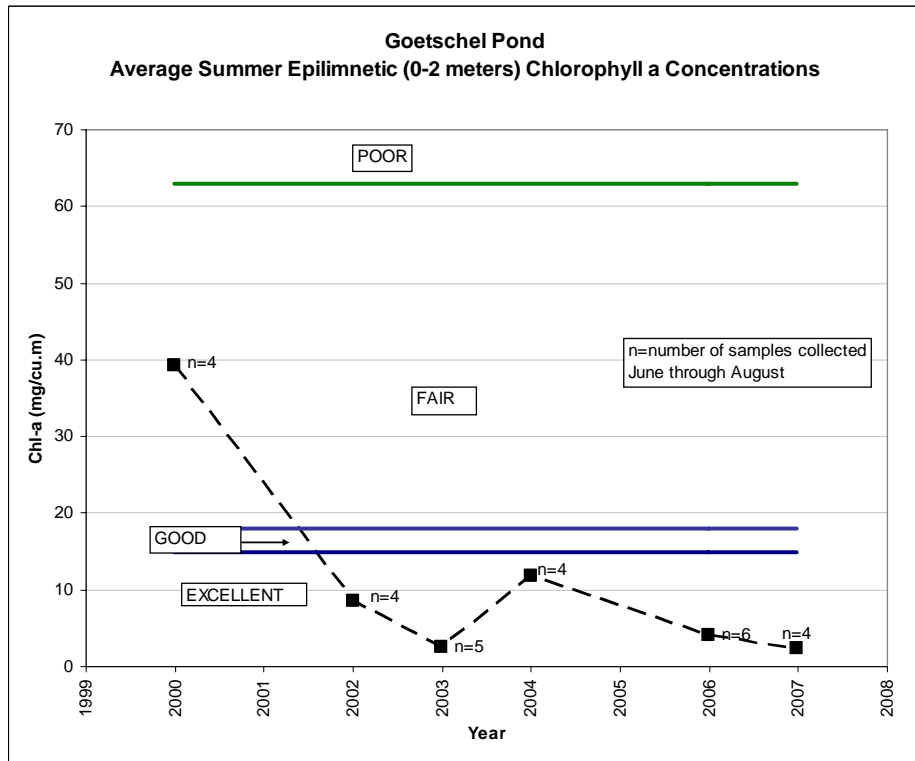
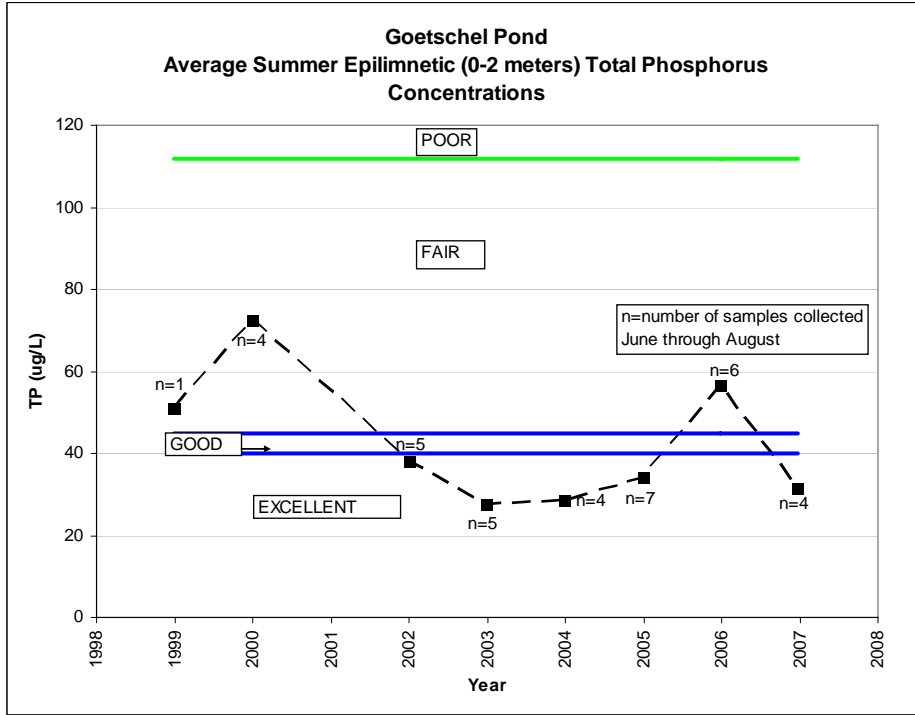
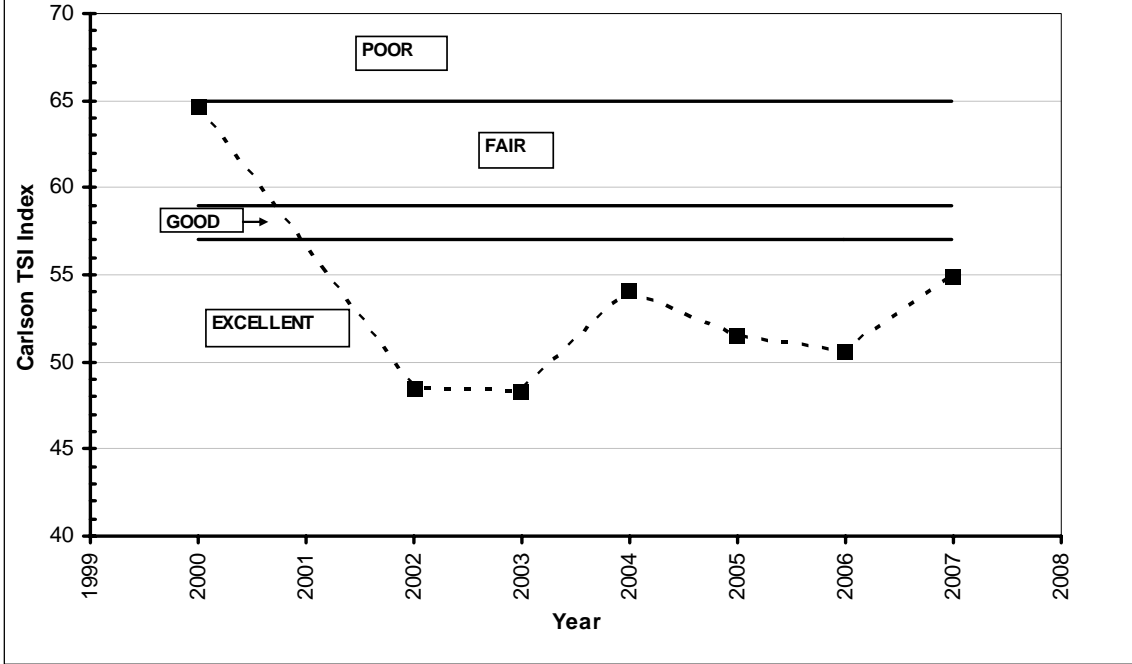


**GOETSCHEL POND
SUMMER AVERAGE WATER CLARITY
Valley Branch Watershed District**



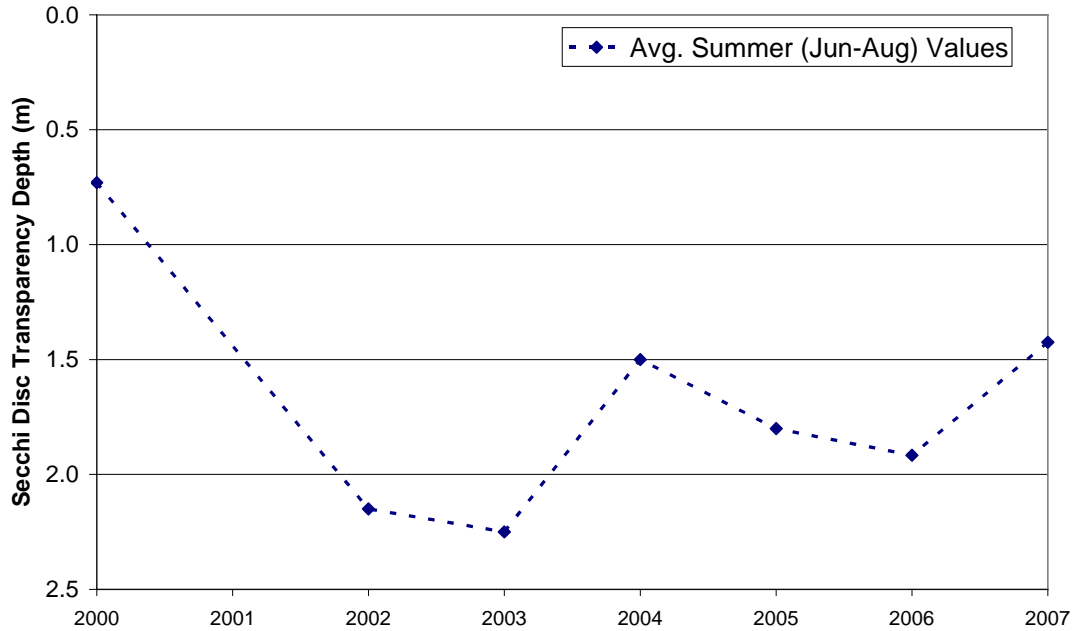
**GOETSCHTEL POND
HISTORIC WATER QUALITY DATA
Valley Branch Watershed District**

**Goetschel Pond
Carlson TSI Index Based on Summer Average Water Clarity**



**GOETSCHER POND
HISTORIC WATER QUALITY DATA
Valley Branch Watershed District**

**Goetschel Pond
Secchi Disc Transparency Depths**



**Mann-Kendall/Sen's Slope Trend Test
(Test Period – 1998 to 2007)**

Confidence Level	Test Statistic = -1	
	Test	Significance
99%	-1 > -18	Not Significant
95%	-1 > -12	Not Significant
90%	-1 > -13	Not Significant
80%	-1 > -10	Not Significant
Sen's Slope	-0.033 meters/year	

Notes:

1. Points shown in the graph are the summer average (June-August) Secchi disc transparency depths. Only years with a calculated summer average based on at least 4 measured values are plotted. At least 5 data points were required to complete the trend test.