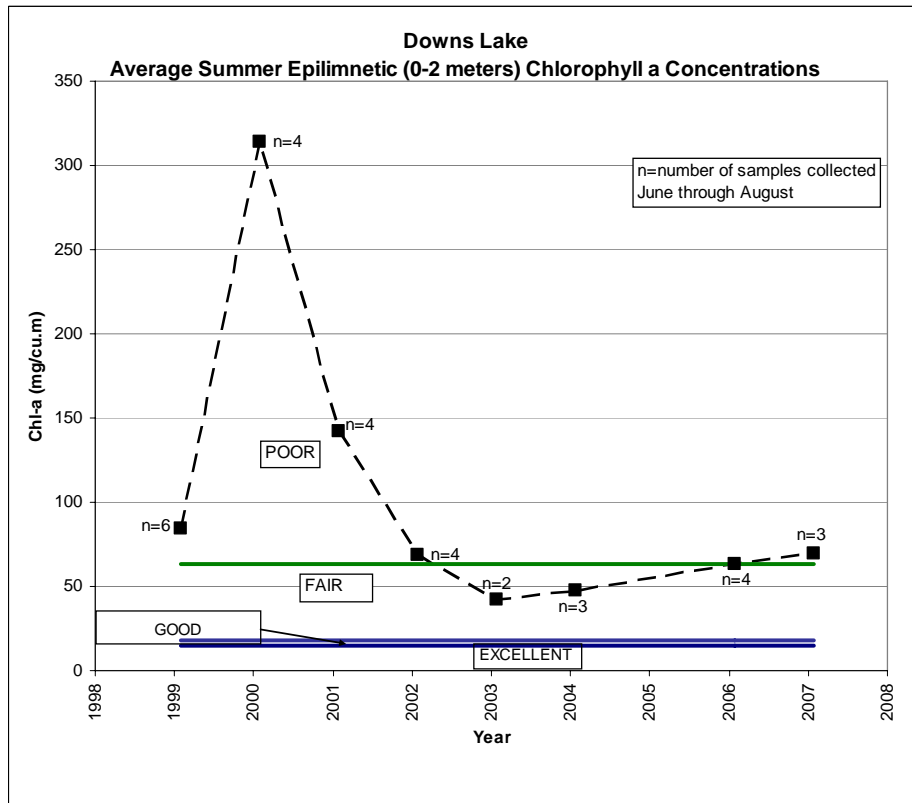
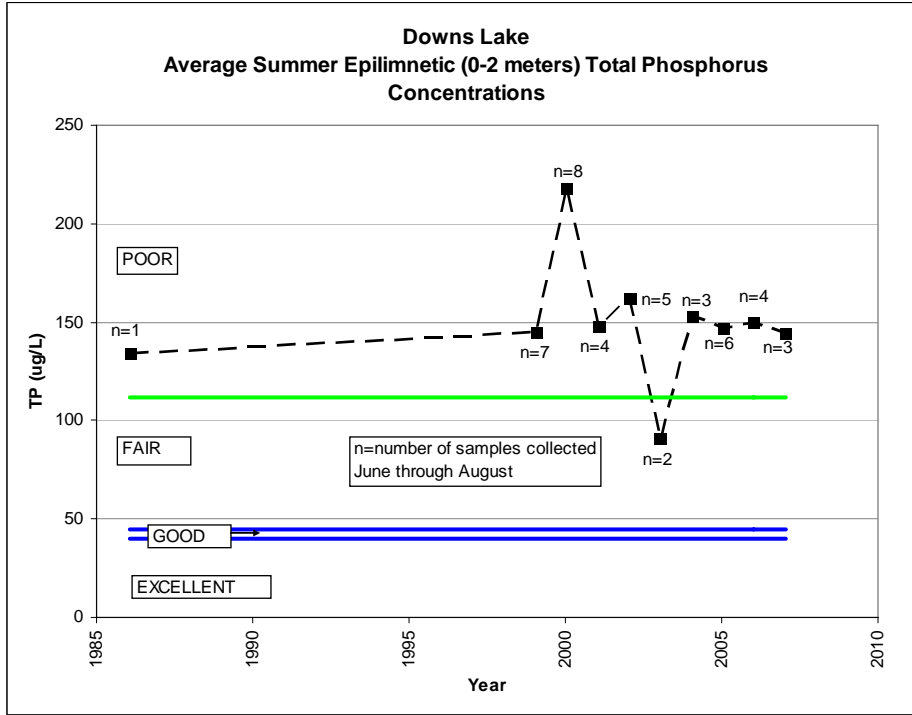
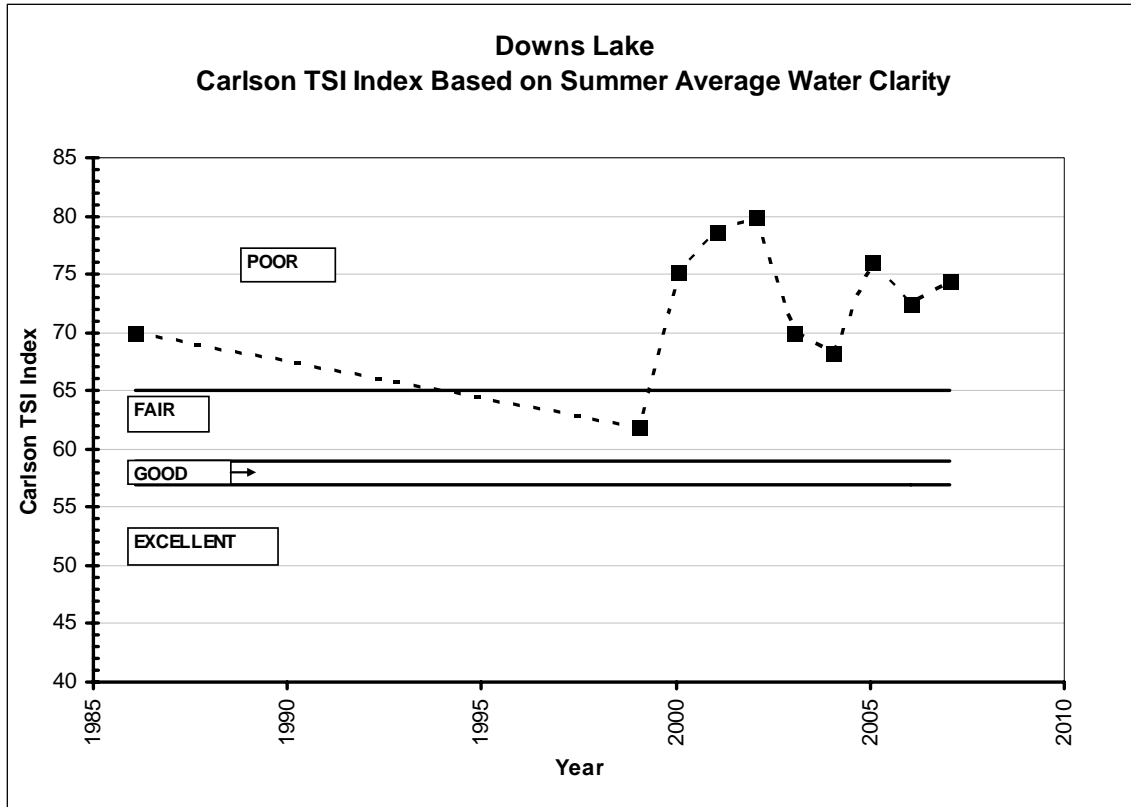


**DOWNS LAKE
SUMMER AVERAGE WATER CLARITY
Valley Branch Watershed District**

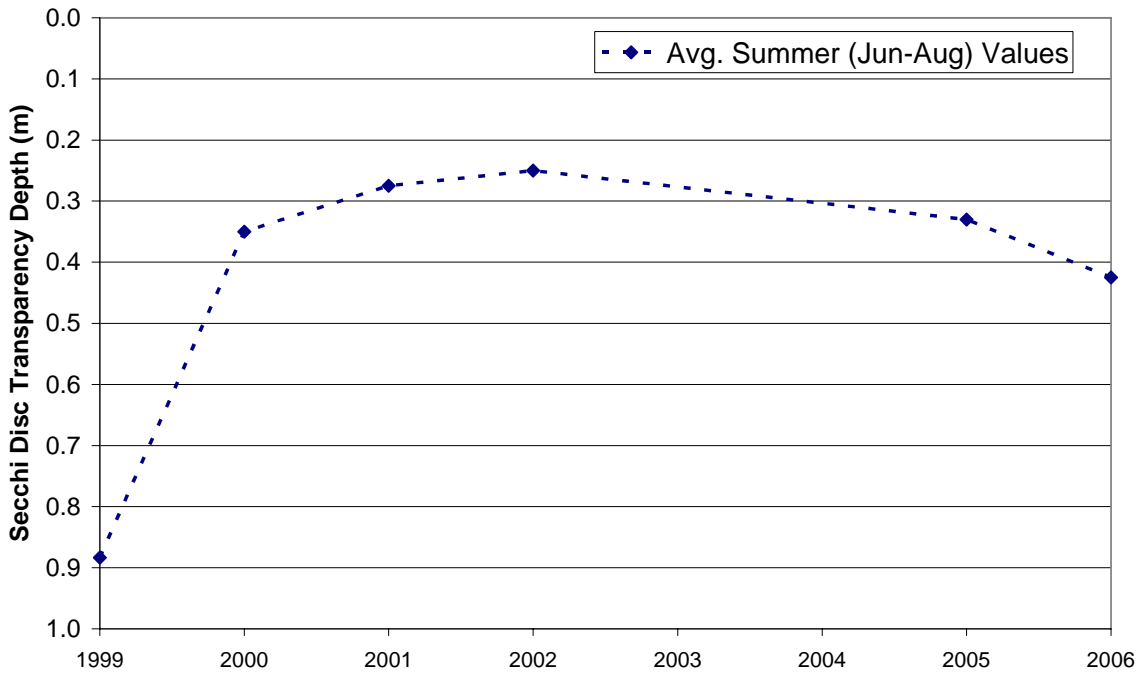


**DOWNES LAKE
HISTORIC WATER QUALITY DATA
Valley Branch Watershed District**



**DOWNS LAKE
HISTORIC WATER QUALITY DATA
Valley Branch Watershed District**

**Downs Lake
Secchi Disc Transparency Depths**



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

Confidence Level	Test Statistic = -5	
	Test	Significance
99%	-5 > -14	Not Significant
95%	-5 > -12	Not Significant
90%	-5 > -10	Not Significant
80%	-5 > -9	Not Significant
Sen's Slope	-0.02 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.

**DOWNNS LAKE
MANN-KENDALL TREND ANALYSIS
OF SECCHI DISC TRANSPARENCY
Valley Branch Watershed District**