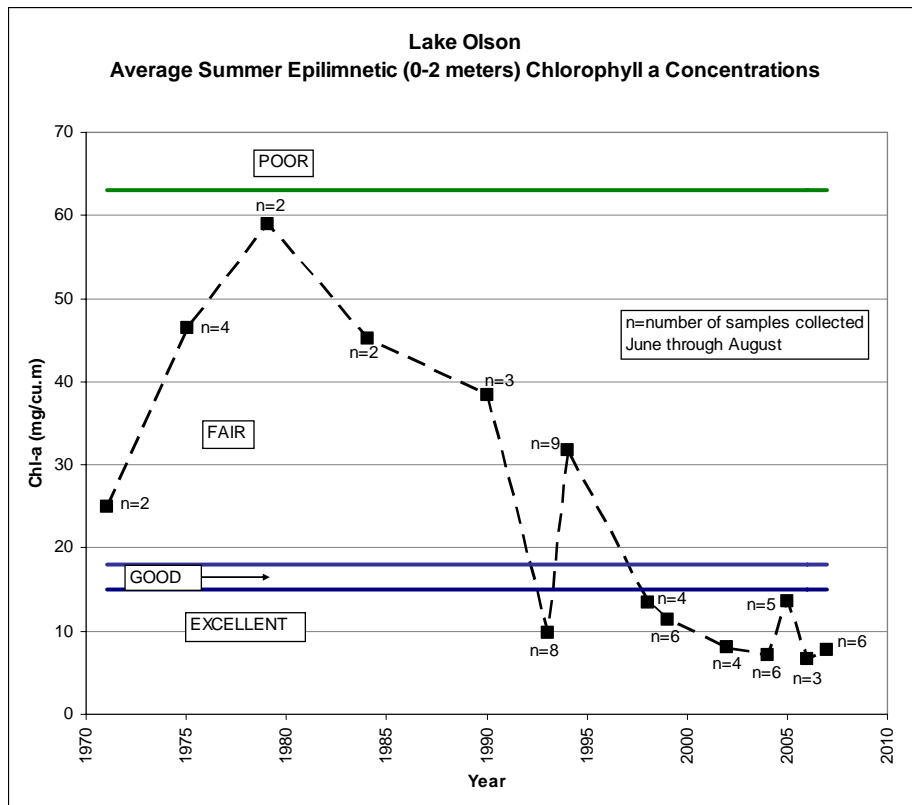
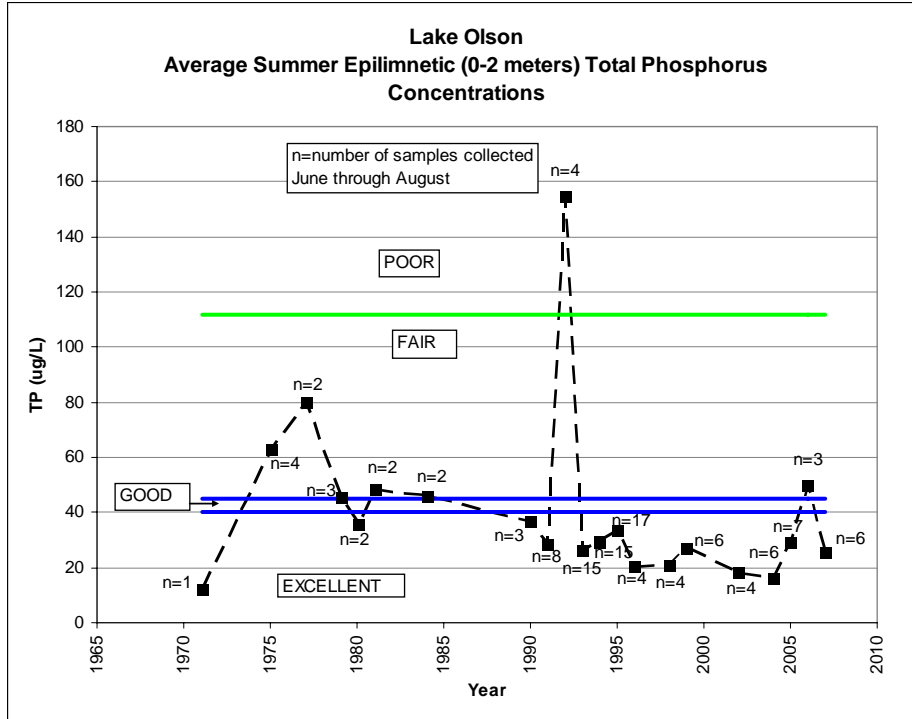
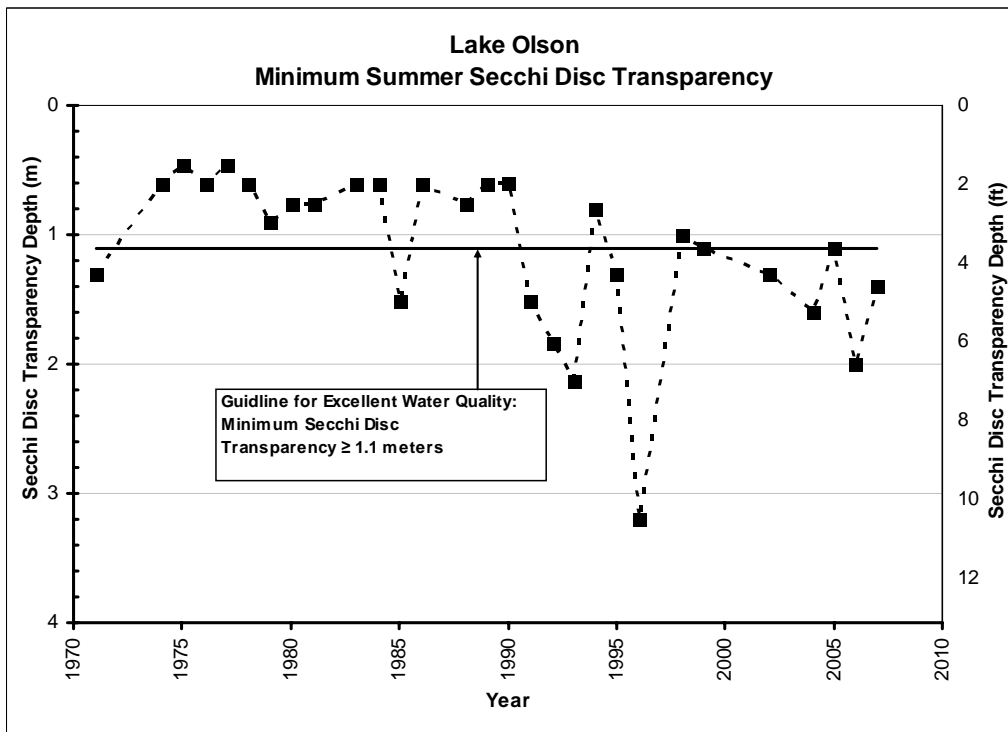
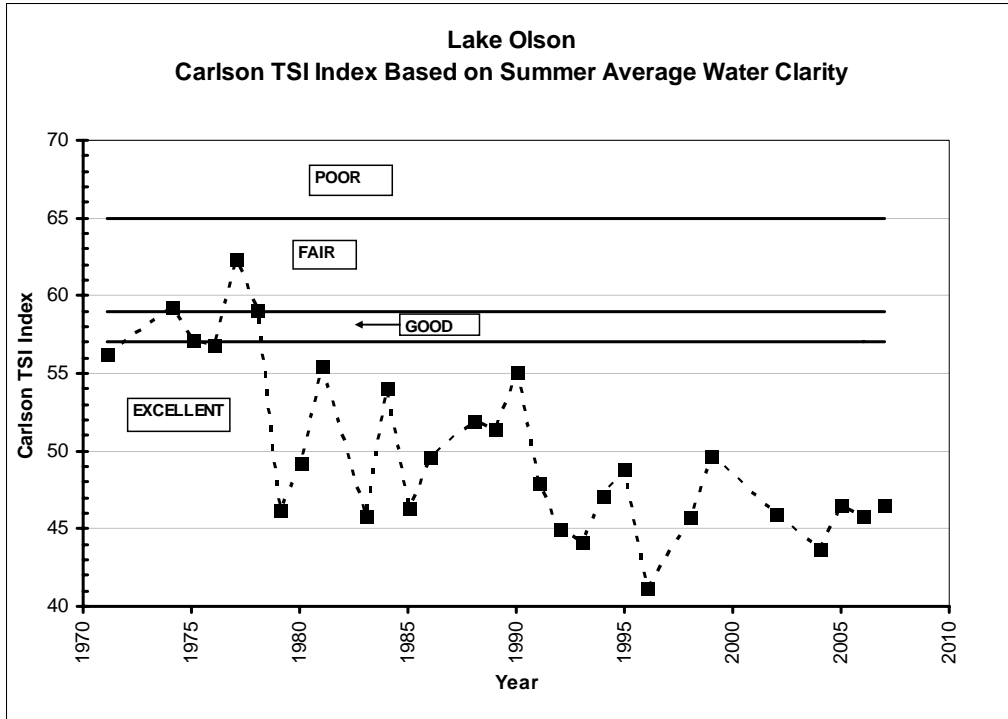


LAKE OLSON
SUMMER AVERAGE WATER CLARITY AND TREND
Valley Branch Watershed District

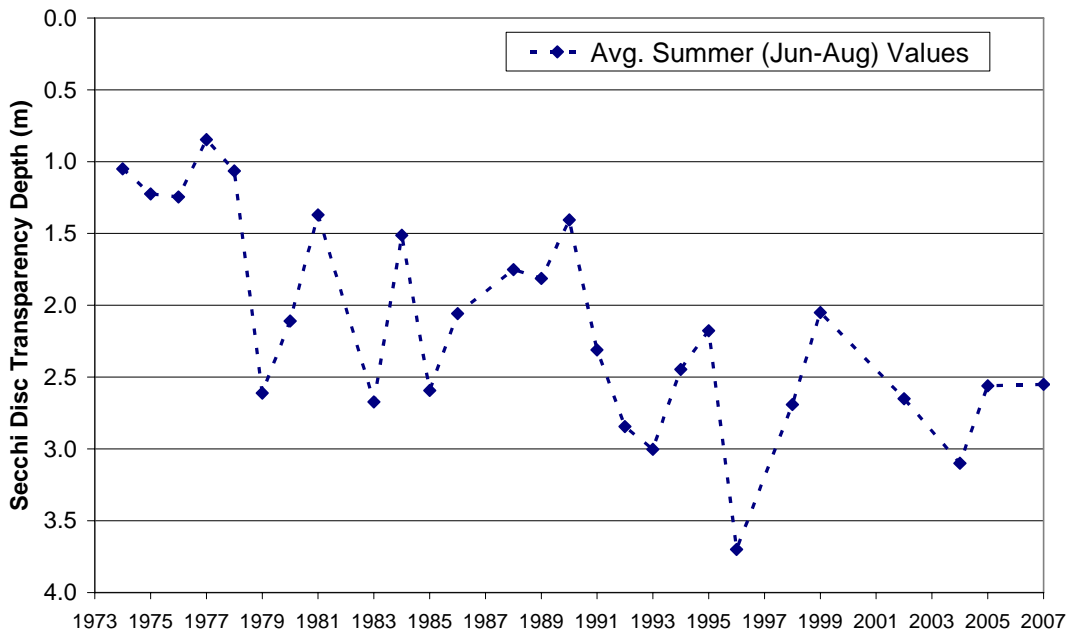


**LAKE OLSON
HISTORIC WATER QUALITY DATA
Valley Branch Watershed District**



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

**Lake Olson
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 > -14 | Not Significant |
| 95% | -1 > -12 | Not Significant |
| 90% | -1 > -10 | Not Significant |
| 80% | -1 > -9 | Not Significant |
| Sen's Slope | | 0 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.