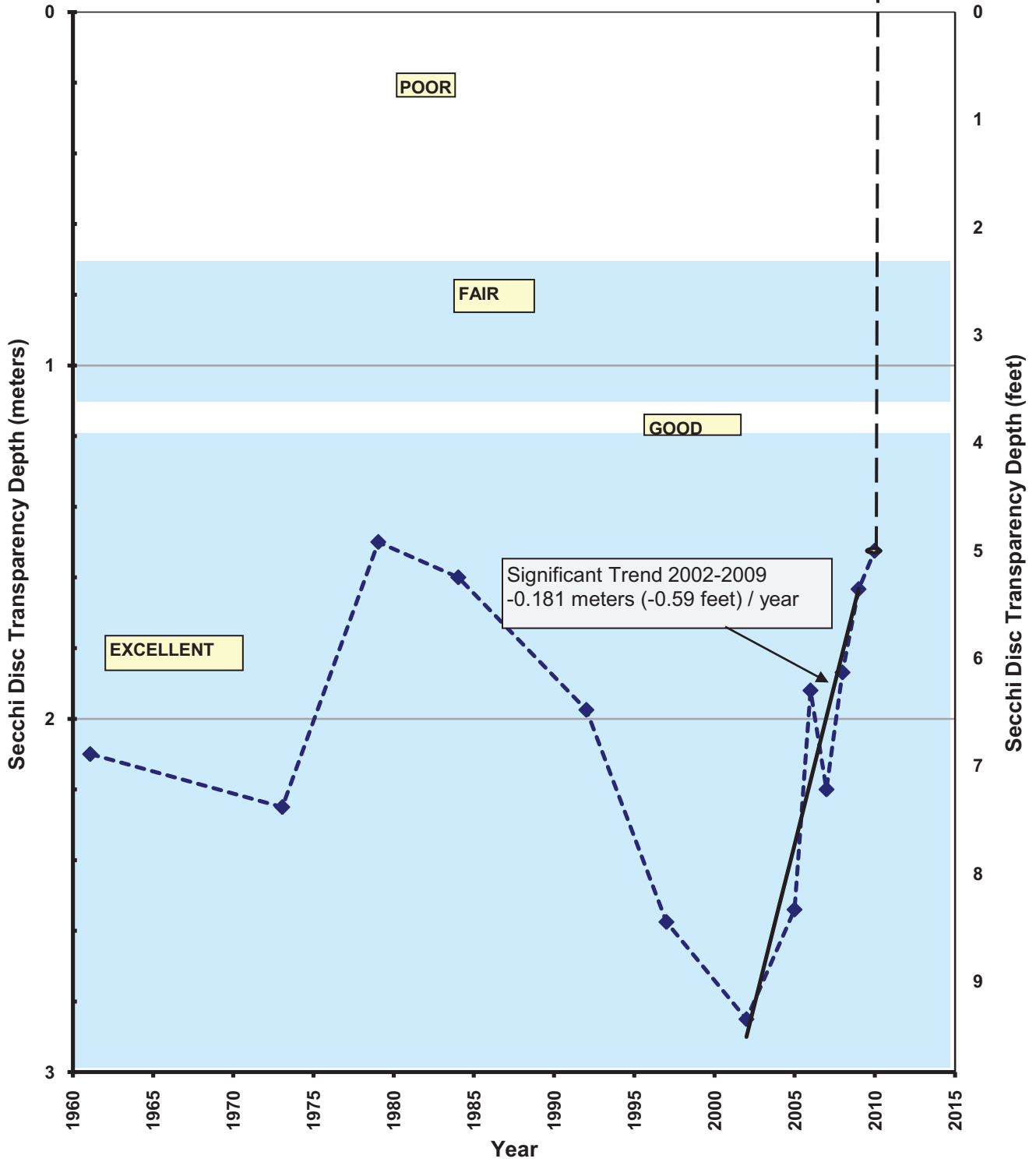
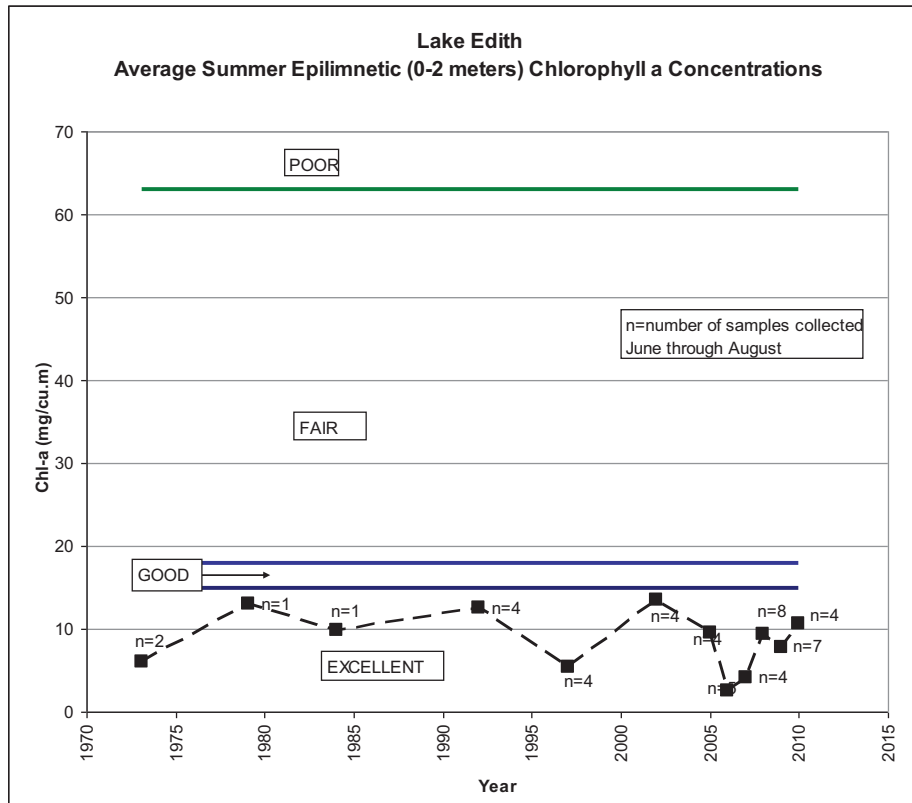
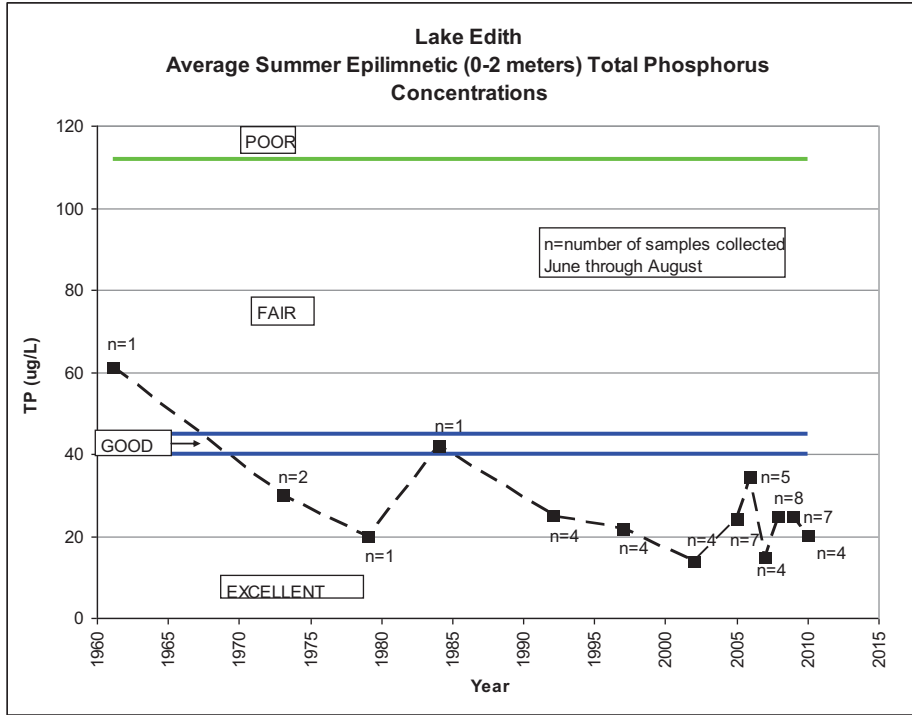


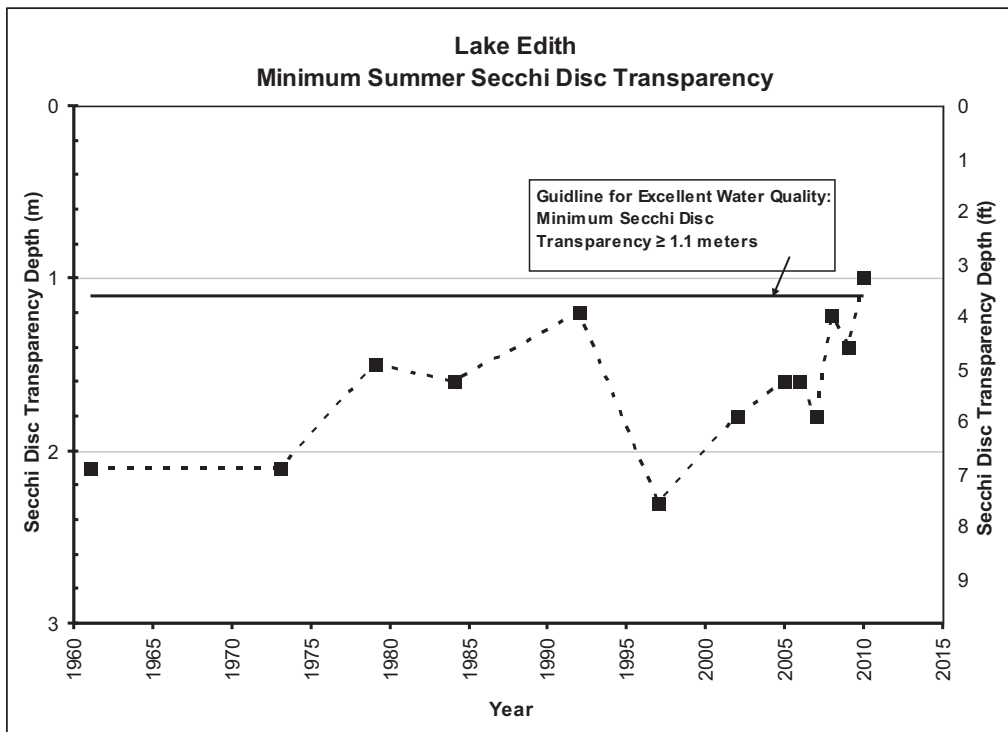
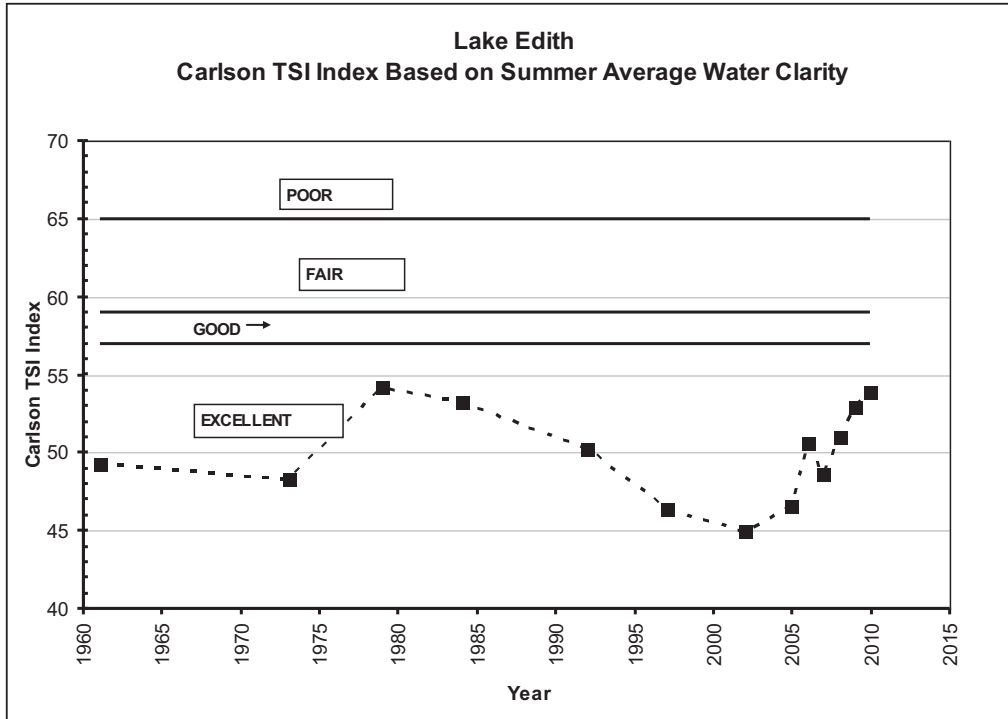
Lake Edith



LAKE EDITH
SUMMER AVERAGE WATER CLARITY
Valley Branch Watershed District

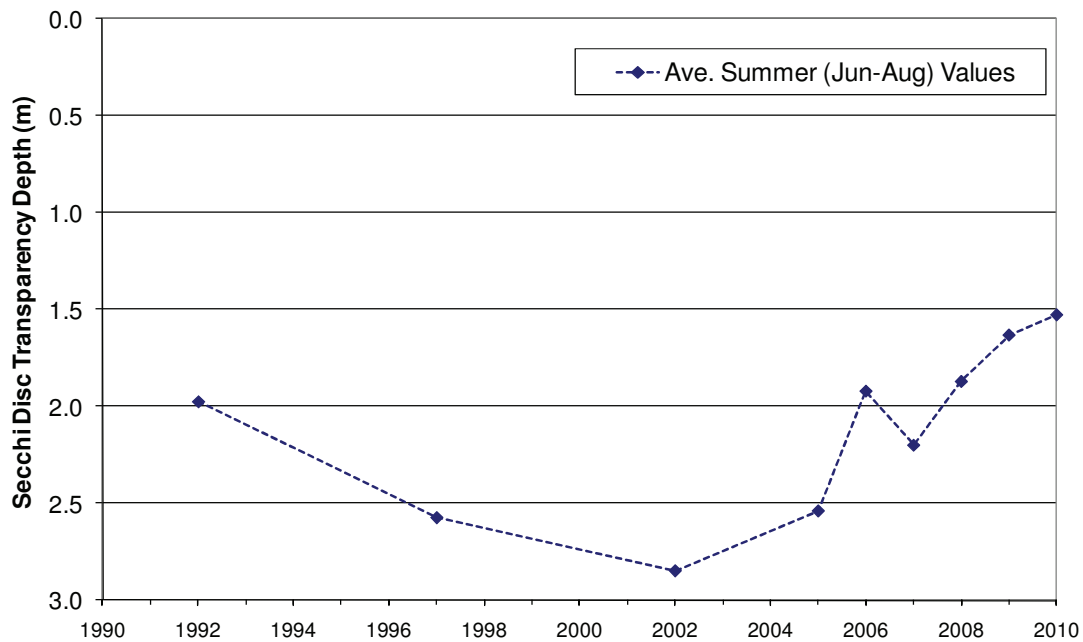


**LAKE EDITH
HISTORIC WATER QUALITY DATA
Valley Branch Watershed District**



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

**Lake Edith
Secchi Disc Transparency Depths**

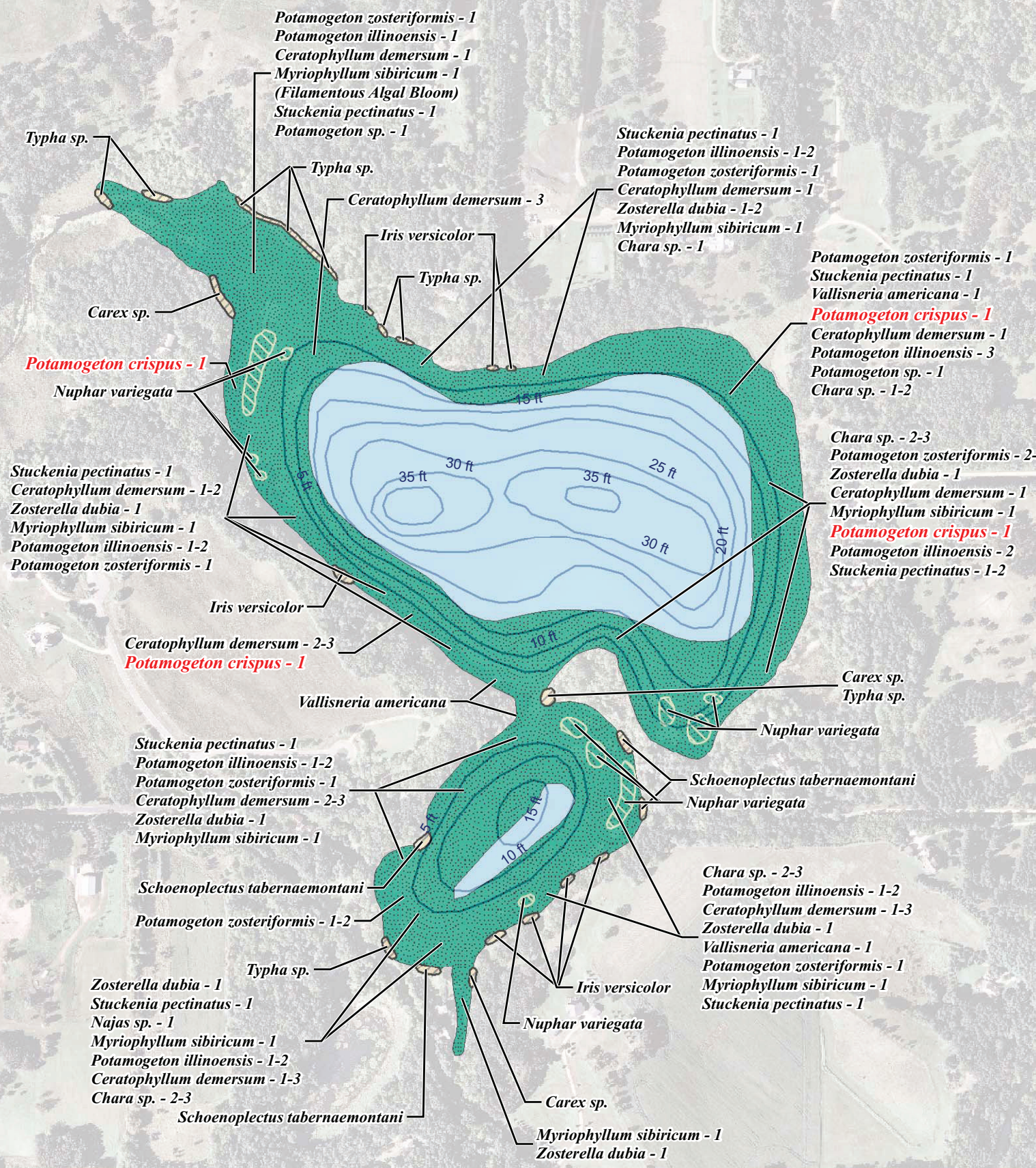


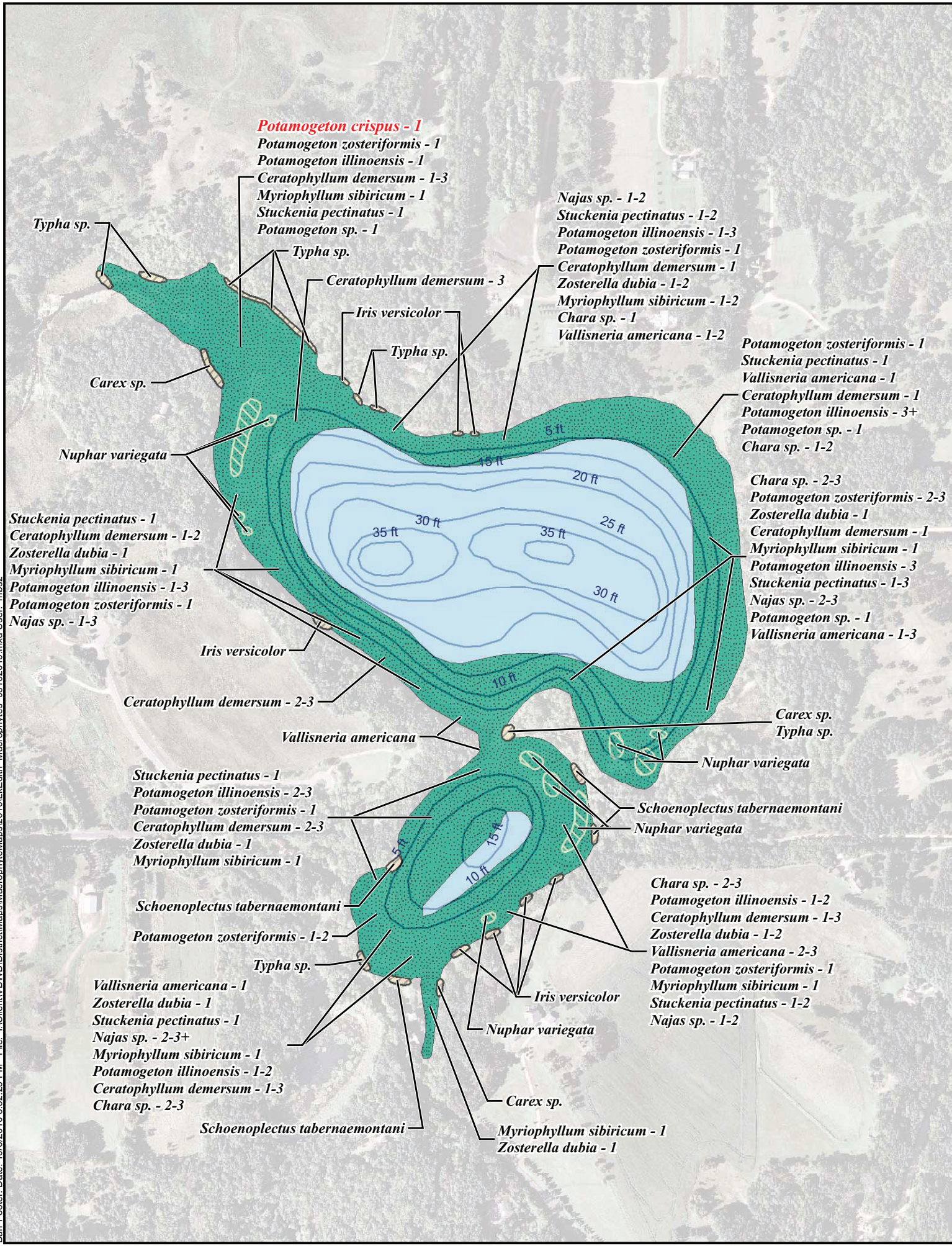
**Mann-Kendall/Sen's Slope Trend Test
(Test Period – 2002 to 2010)**

Confidence Level	Test Statistic = -18	
	Test	Significance
99%	-18 = -18	Significant (Declining)
95%	-18 < -15	Significant (Declining)
90%	-18 < -13	Significant (Declining)
80%	-18 < -10	Significant (Declining)
Sen's Slope	-0.181 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.





Potamogeton crispus - 1

- Potamogeton zosteriformis - 1
- Potamogeton illinoensis - 1
- Ceratophyllum demersum - 1-3
- Myriophyllum sibiricum - 1
- Stuckenia pectinatus - 1
- Potamogeton sp. - 1

- Najas sp. - 1-2
- Stuckenia pectinatus - 1-2
- Potamogeton illinoensis - 1-3
- Potamogeton zosteriformis - 1
- Ceratophyllum demersum - 1
- Zosterella dubia - 1-2
- Myriophyllum sibiricum - 1-2
- Chara sp. - 1
- Vallisneria americana - 1-2

- Potamogeton zosteriformis - 1
- Stuckenia pectinatus - 1
- Vallisneria americana - 1
- Ceratophyllum demersum - 1
- Potamogeton illinoensis - 3+
- Potamogeton sp. - 1
- Chara sp. - 1-2

- Chara sp. - 2-3
- Potamogeton zosteriformis - 2-3
- Zosterella dubia - 1
- Ceratophyllum demersum - 1
- Myriophyllum sibiricum - 1
- Potamogeton illinoensis - 3
- Stuckenia pectinatus - 1-3
- Najas sp. - 2-3
- Potamogeton sp. - 1
- Vallisneria americana - 1-3

Typha sp.

Typha sp.

Ceratophyllum demersum - 3

Iris versicolor

Typha sp.

Carex sp.

Nuphar variegata

- Stuckenia pectinatus - 1
- Ceratophyllum demersum - 1-2
- Zosterella dubia - 1
- Myriophyllum sibiricum - 1
- Potamogeton illinoensis - 1-3
- Potamogeton zosteriformis - 1
- Najas sp. - 1-3

Iris versicolor

Ceratophyllum demersum - 2-3

Vallisneria americana

Carex sp.
Typha sp.

- Stuckenia pectinatus - 1
- Potamogeton illinoensis - 2-3
- Potamogeton zosteriformis - 1
- Ceratophyllum demersum - 2-3
- Zosterella dubia - 1
- Myriophyllum sibiricum - 1

Schoenoplectus tabernaemontani

Potamogeton zosteriformis - 1-2

Typha sp.

- Vallisneria americana - 1
- Zosterella dubia - 1
- Stuckenia pectinatus - 1
- Najas sp. - 2-3+
- Myriophyllum sibiricum - 1
- Potamogeton illinoensis - 1-2
- Ceratophyllum demersum - 1-3
- Chara sp. - 2-3

Schoenoplectus tabernaemontani

Iris versicolor

Nuphar variegata

Carex sp.

- Myriophyllum sibiricum - 1
- Zosterella dubia - 1

Schoenoplectus tabernaemontani
Nuphar variegata

- Chara sp. - 2-3
- Potamogeton illinoensis - 1-2
- Ceratophyllum demersum - 1-3
- Zosterella dubia - 1-2
- Vallisneria americana - 2-3
- Potamogeton zosteriformis - 1
- Myriophyllum sibiricum - 1
- Stuckenia pectinatus - 1-2
- Najas sp. - 1-2