

Citizen Lake Monitoring

Silver Lake, Waukesha County

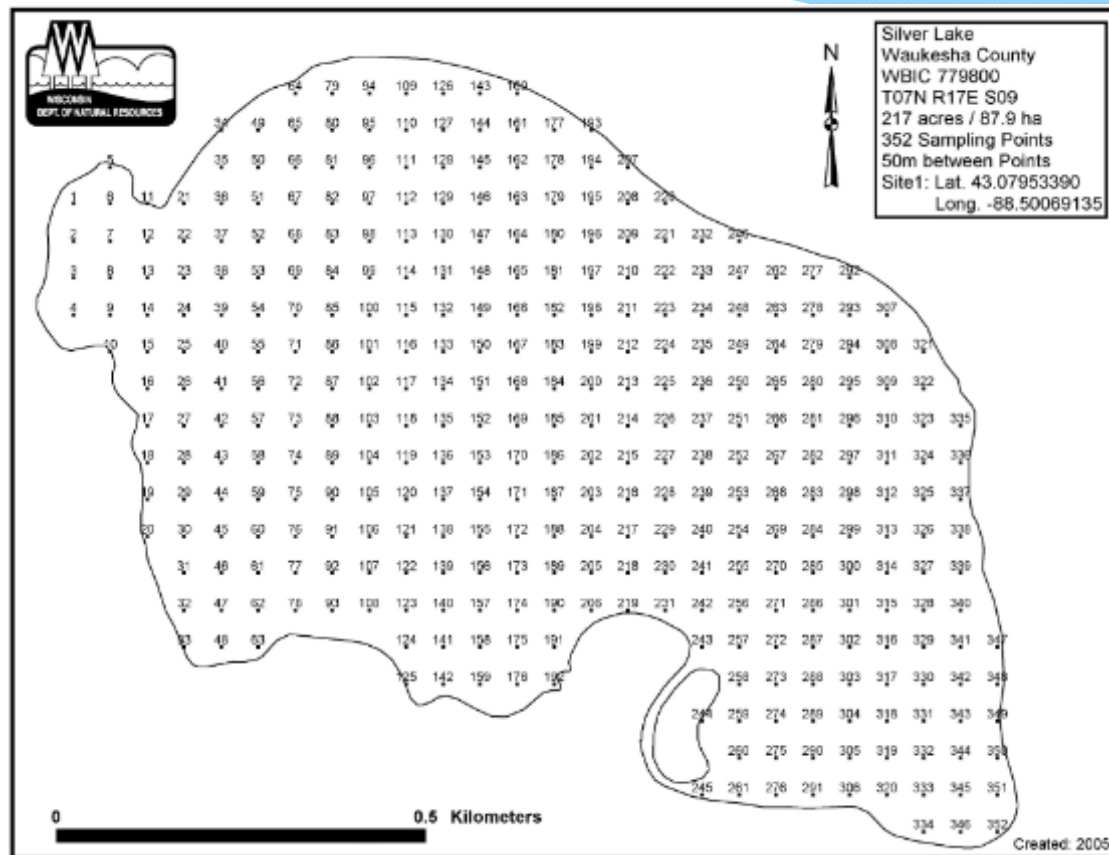
Silver Lake, Waukesha County



Photo Credit: J. Rice

- * 222 Acre Seepage Lake
- * Max Depth of 42 Feet
- * Home to Panfish, Largemouth Bass, Northern Pike
- * Hard Water Lake (180 mg/l)
- * Natural “Kettle” Wetlands Area
- * DNR Boat Landing
- * Three Harbors Council, Boy Scouts of America Camp
- * 2 Restaurants

Silver Lake, Waukesha County



Invasive Species Include:

- * Banded Mystery Snail
- * Eurasian Water-milfoil
- * Hybrid Eurasian Water-milfoil
- * Purple Loosetrife
- * Zebra Mussels

Monitoring

Motivation:

- * To Learn More About the Amazing Resource at Our Doorstep

Getting Started:

- * Contacted Our Local WDNR Lakes Biologist, Heidi Bunk
- * 2005 Began Secchi Disk Monitoring
- * 2006 Added Chemistry Monitoring
- * 2007 Received a WDNR Grant to Purchase a HACH Meter for Collecting Temperature and Dissolved Oxygen Data
- * Silver Lake's CLMN Program is Managed by:
 - The Silver Lake Management District
 - Invasive Species Committee

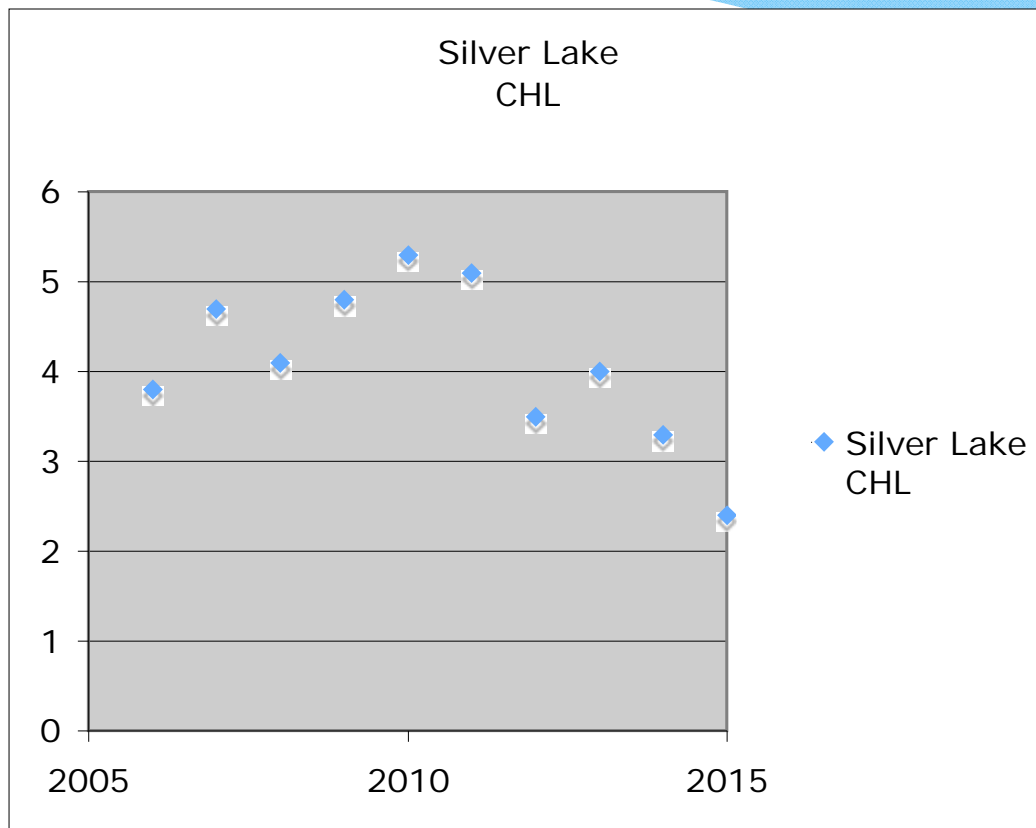
Historical Data:

How Data is Used

Baseline Data for:

- * Studies & Reports such as:
 - * 2015 Southeastern Wisconsin Regional Planning Commission (SEWRPC) Staff Memorandum – Water Quality Evaluation
 - * Data Update Report Shared At Silver Lake Management District's Annual Meeting
- * Aquatic Invasive Species Planning
- * Aquatic Plant Monitoring
- * Specific Trend Data such as Temperature Variations Throughout the Open Water Season
- * Fun Lake Facts to Know To Impress Your Friends and Family

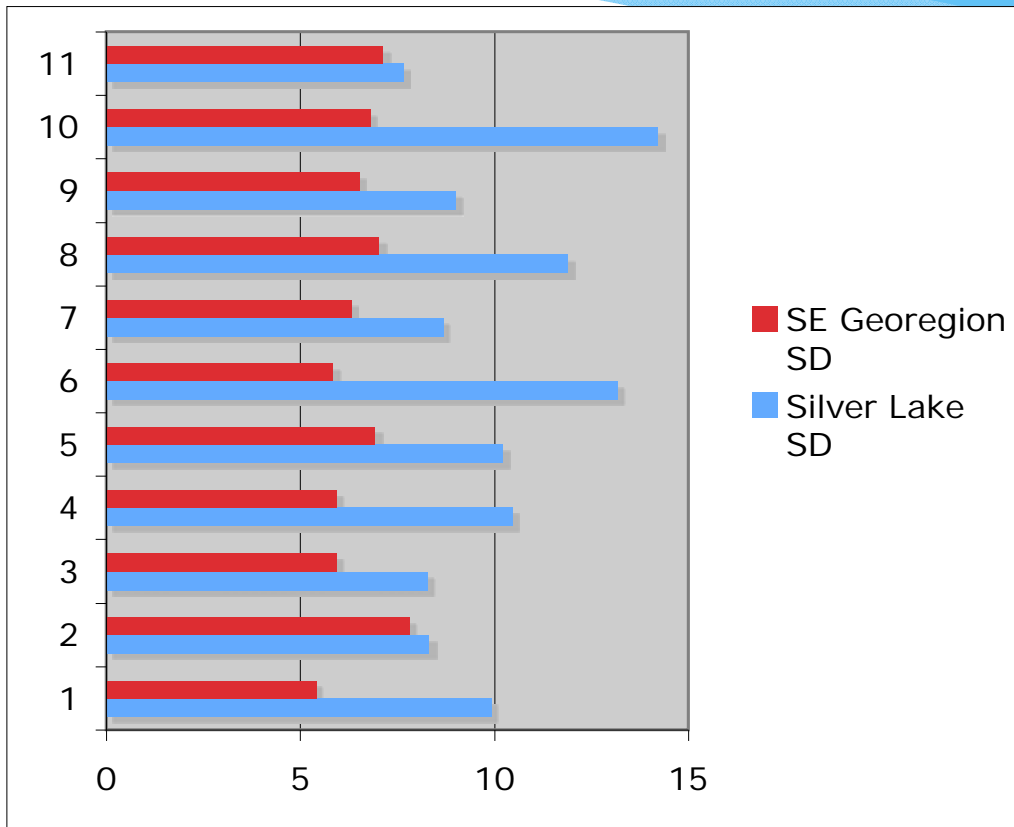
Trends



* Source: WDNR
Lake Narrative
Reports

* Chlorophyll Data
2005 - 2015

Comparisons



* Source: WDNR Lake Narrative Reports

* Comparison of Silver Lake's Average Secchi Disk Readings to SouthEast Georegion Average

* Year 1 = 2005

* Year 11 = 2015

A Great Way to Enjoy the Dog Days of Summer



* Rocce, Our Canine Lake Monitoring Assistant