

# Oak Creek at South Milwaukee

## Road Salt Monitoring Data Summary

### February 2011 – March 2014<sup>1</sup>



Photo from Jim Beecher

**Volunteer:** Ted Bosch

**Specific conductance summary:**

- 53 measurements taken
- Minimum: 820  $\mu\text{S}/\text{cm}$  on 11/4/2011
- Maximum: 6200  $\mu\text{S}/\text{cm}$  on 2/22/2014
- Mean: 2342  $\mu\text{S}/\text{cm}$

**Chloride (Cl<sup>-</sup>) summary:**

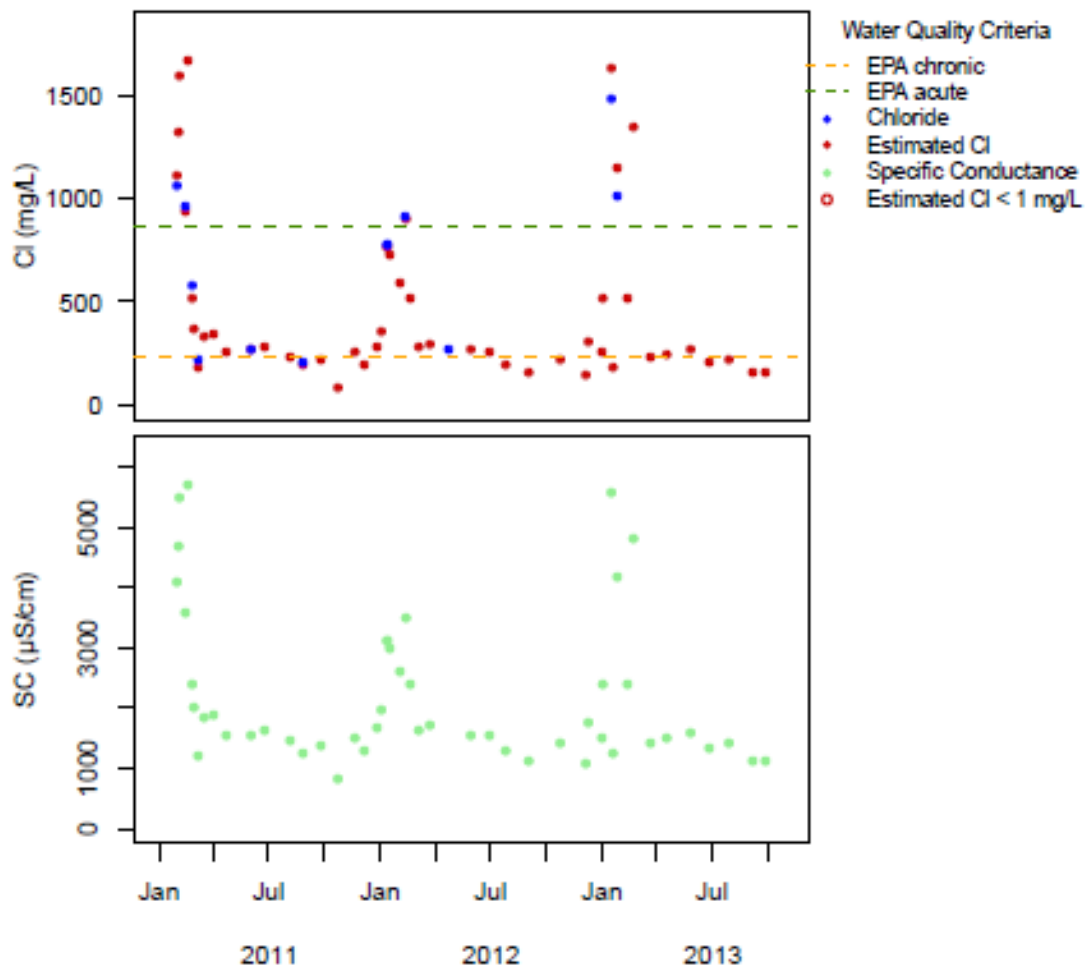
- 11 samples collected
- Minimum: 210 mg/L on 9/7/2011
- Maximum: 1480 mg/L on 1/28/2013
- Mean: 705 mg/L

**EPA Acute and Chronic Exceedences for Chloride<sup>2</sup>:**

The EPA acute chloride standard of 860 mg/L was measured have been exceeded five times and calculated to have been exceeded an additional three times at this site as shown below.

In addition, the EPA chronic chloride standard of 230 mg/L was measured or predicted to have been exceeded 20 times through volunteer monitoring efforts.

**Results Through December 2013<sup>3</sup>:**



<sup>1</sup> All data in SWIMS as of 8/26/2014 were downloaded

<sup>2</sup> Source: EPA. 1988. Ambient Water Quality Criteria for Chloride. EPA 440/6-88-001.