

Neenah Slough at CTH JJ

Road Salt Monitoring Data Summary December 2011- April 2013¹



Photo by Jim Beecher

Volunteers: Frank and Lynn Druecke (2011-2014), and Janet Moldenhauer (2011-12)

Specific conductance summary:

- 12 measurements taken
- Minimum: 740 $\mu\text{S}/\text{cm}$ on 4/3/2013
- Maximum: 1570 $\mu\text{S}/\text{cm}$ on 2/23/2012
- Mean: 1163 $\mu\text{S}/\text{cm}$

Chloride (Cl⁻) summary:

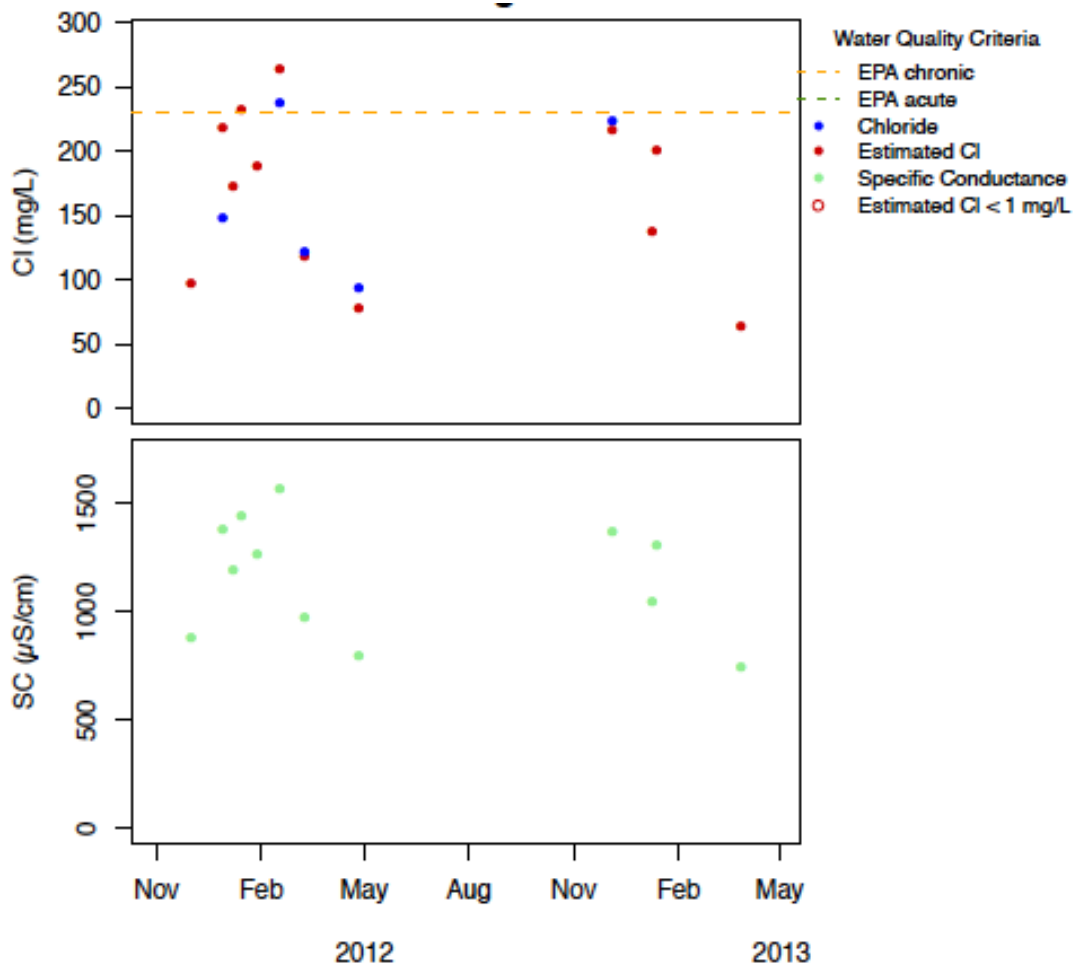
- 5 samples collected
- Minimum: 94.5 mg/L on 5/2/2012
- Maximum: 237 mg/L on 2/23/2012
- Mean: 165 mg/L

EPA Acute and Chronic Exceedences for Chloride²:

The EPA acute chloride standard of 860 mg/L has not been not exceeded at this site.

The EPA chronic chloride standard of 230 mg/L was measured or predicted to have been met or exceeded on three occasions between December 2011 and April 2013.

Results Through December 2013³:



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

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

³ Calculated chloride: $\text{Cl} = 0.242 * \text{SC} - 115.2$, $\text{adjR}^2 = 0.8$, except when $\text{SC} > 2250$, then $\text{Cl} = 0.346 * \text{SC} - 309.8$, $\text{adjR}^2 = 0.97$