

Pewaukee River at Lindsey Rd

Road Salt Monitoring Data Summary

November 2012- July 2014¹



Photo by Jim Beecher

Volunteer: Jayne Jenks

Specific conductance summary:

- 26 measurements taken
- Minimum: 610 $\mu\text{S}/\text{cm}$ on 1/30/2013
- Maximum: 1880 $\mu\text{S}/\text{cm}$ on 3/5/2013
- Mean: 1437 $\mu\text{S}/\text{cm}$

Chloride (Cl⁻) summary:

- No samples collected

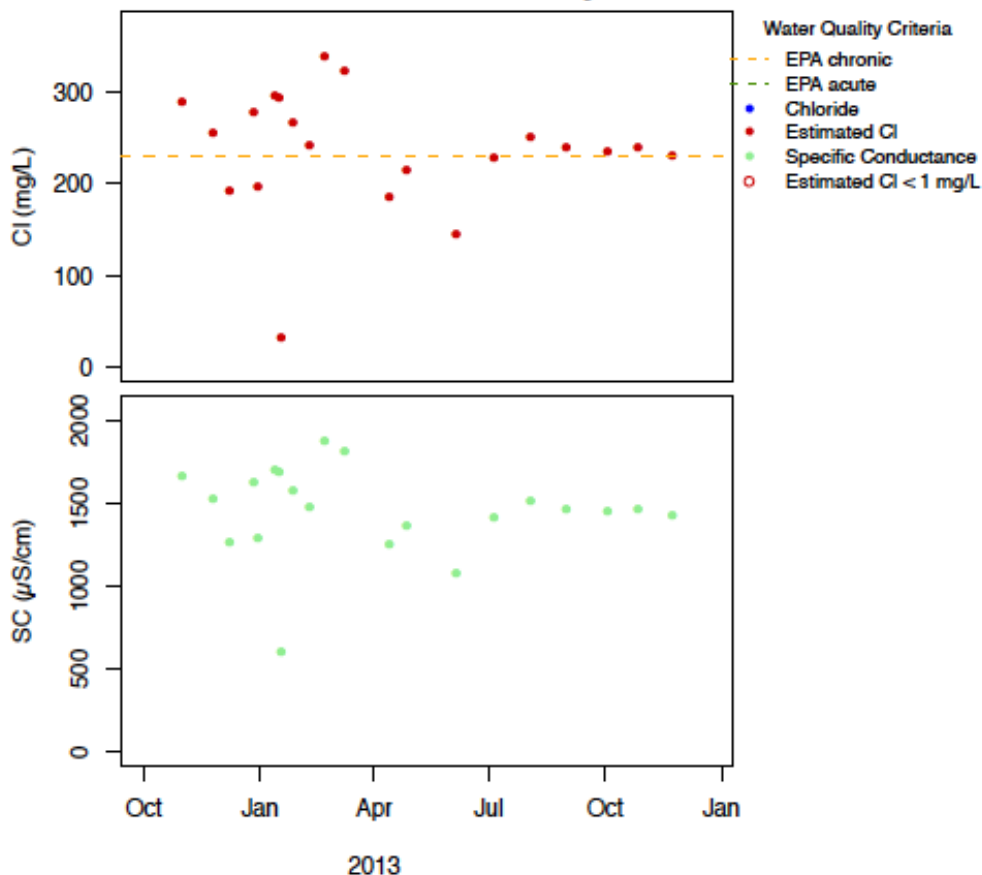
EPA Acute and Chronic Exceedences for Chloride²:

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

The EPA chronic chloride standard of 230 mg/L was predicted³ to have been exceeded on 17 occasions. In addition to those shown on the graph below, the following exceedences were predicted:

- 284 mg/L on 3/31/2014
- 267 mg/L on 5/8/2014
- 253 mg/L on 7/11/2014

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 $\text{Cl} = 0.346 * \text{SC} - 309.8$, $\text{adjR}^2 = 0.97$