

Pewaukee River at 39

Road Salt Monitoring Data Summary November 2012- July 2014¹



Photo by Jim Beecher

Volunteer: Jayne Jenks

Specific conductance summary:

- 25 measurements taken
- Minimum: 800 $\mu\text{S}/\text{cm}$ on 1/30/2013
- Maximum: 1730 $\mu\text{S}/\text{cm}$ on 2/20/2014
- Mean: 1156 $\mu\text{S}/\text{cm}$

Chloride (Cl⁻) summary:

- No samples collected

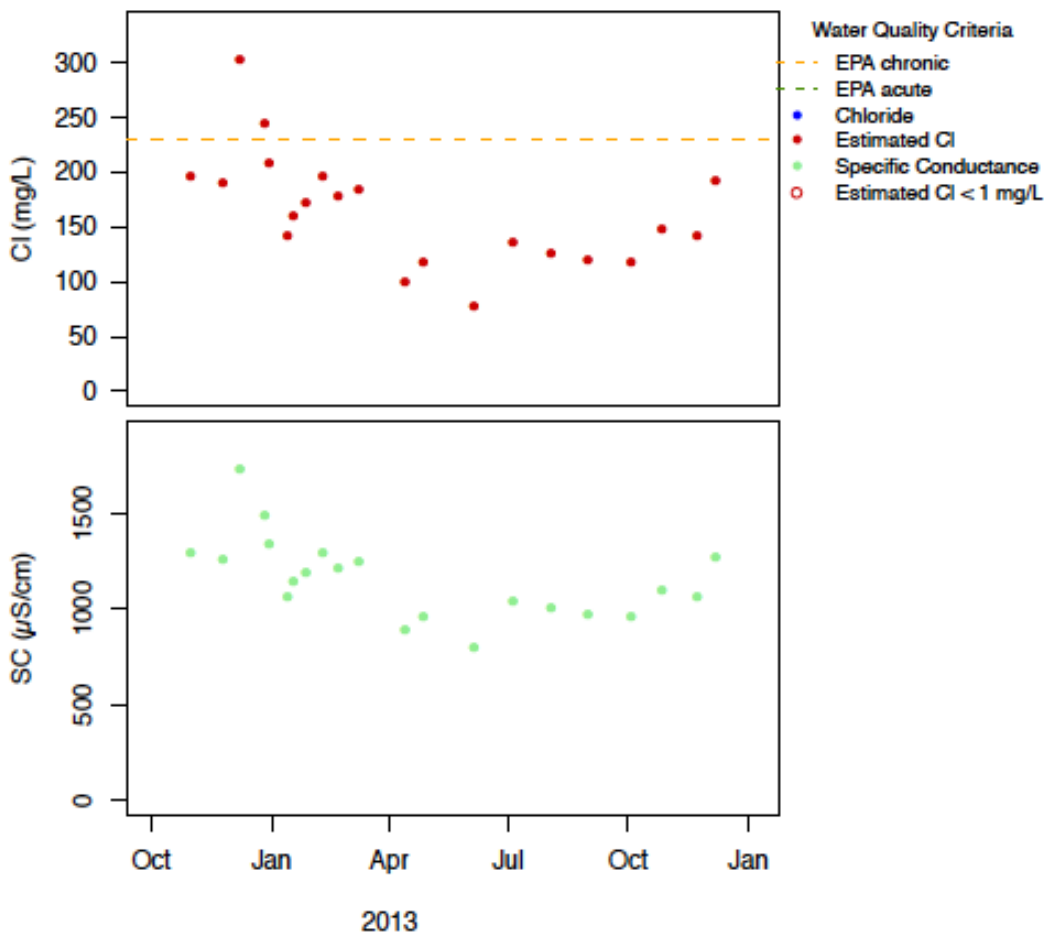
EPA Acute and Chronic Exceedences for Chloride²:

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 predicted to have been exceeded twice³.

- 303 mg/L on 12/20/2012
- 245 mg/L on 1/8/2013

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