

Six Mile Creek at Mill Rd

Road Salt Monitoring Data Summary February 2011 – December 2013¹



Photo courtesy of Jim Beecher

Volunteers: Erin and Jake Vennie-Vollrath

Specific conductance summary:

- 13 measurements taken
- Minimum: 600 $\mu\text{S}/\text{cm}$ on 2/17/2011
- Maximum: 1240 $\mu\text{S}/\text{cm}$ on 2/14/2011
- Mean: 805 $\mu\text{S}/\text{cm}$

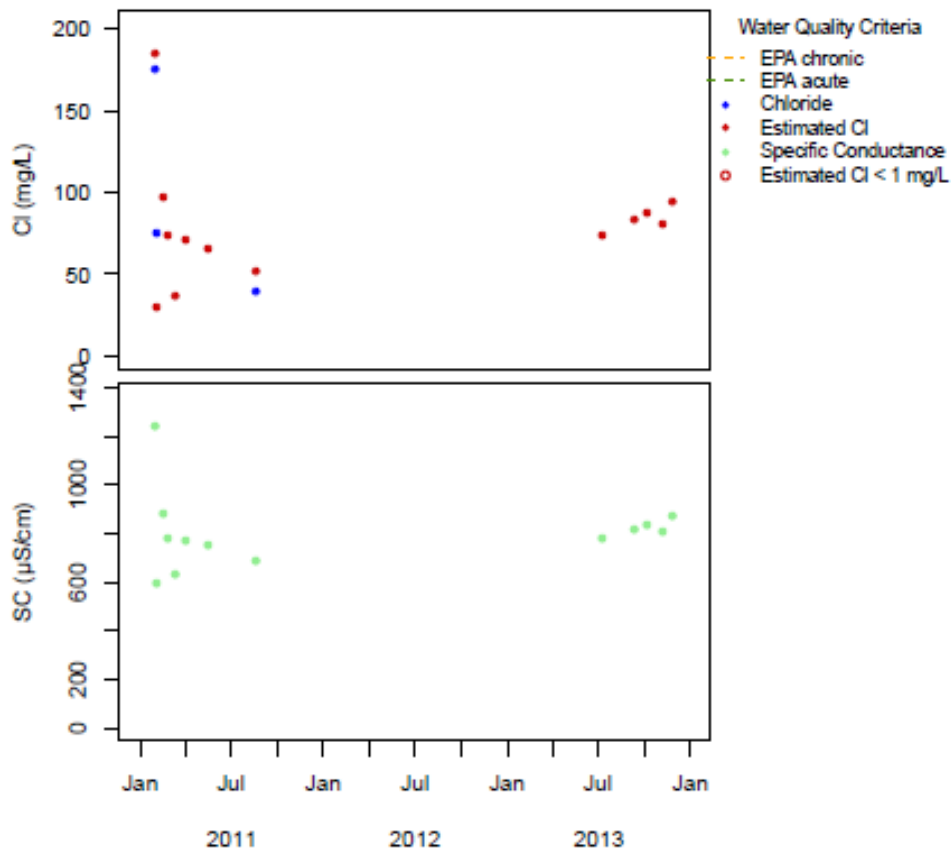
Chloride (Cl⁻) summary:

- 3 samples collected
- Minimum: 40 mg/L 9/3/2011
- Maximum: 175 mg/L 2/14/2011
- Mean: 97 mg/L

EPA Acute and Chronic Exceedences for Chloride²:

Neither the EPA acute nor chronic chloride standards were exceeded at this site based on volunteer monitoring.

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