

Sherman Creek off of Vine St

Road Salt Monitoring Data Summary

October 2012- April 2014¹



Photo courtesy of Jim Beecher

Volunteers: Katy Grant and Tim Molitor (2012), Anastasia Burns and Alan Gustafson (2013-4)

Specific conductance summary:

- 17 measurements taken
- Minimum: 140 $\mu\text{S}/\text{cm}$ on 1/11/2014
- Maximum: 260 $\mu\text{S}/\text{cm}$ on 4/5/2014
- Mean: 230 $\mu\text{S}/\text{cm}$

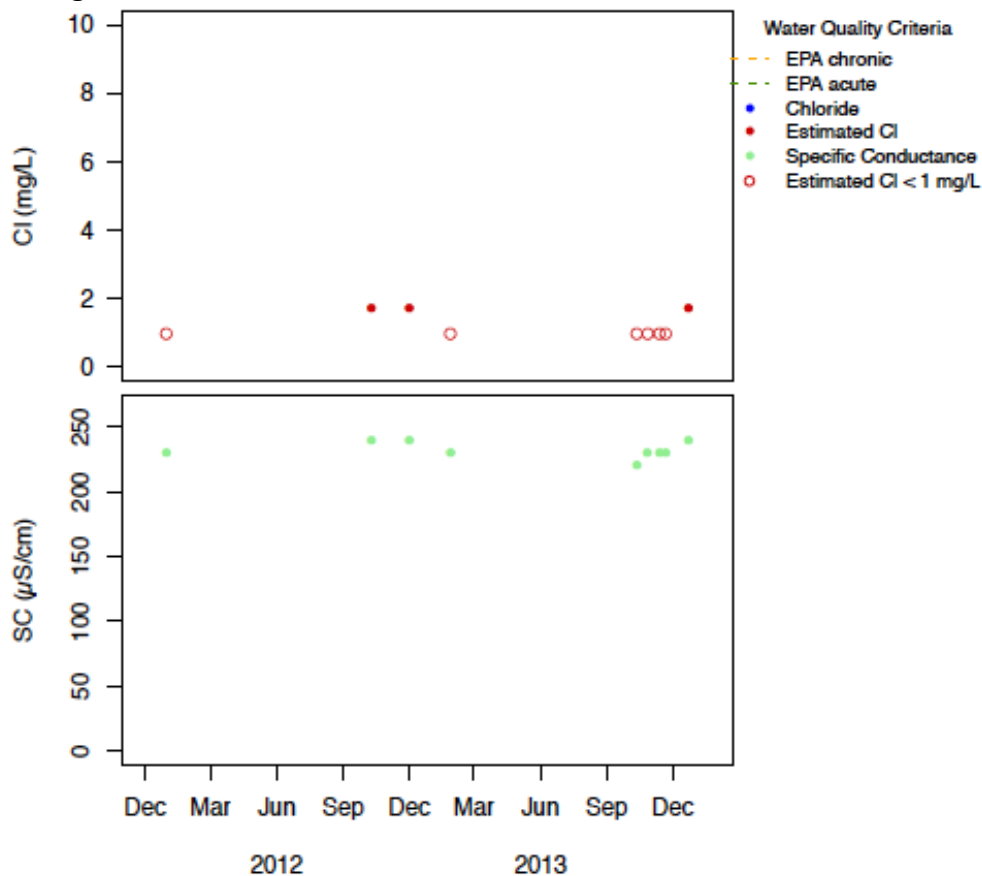
Chloride (Cl⁻) summary:

- 3 measurements taken
- Minimum: 25.2 mg/L on 2/28/2014
- Maximum: 27.2 mg/L on 2/14/2014
- Mean: 26 mg/L

Measured EPA Acute and Chronic Exceedences for Chloride²:

Neither the EPA acute chloride standard of 860 mg/L nor the EPA chronic chloride standard of 230 mg/L was exceeded at this site.

Results Through December 2013³:



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

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

³ Calculated chloride: $\text{Cl} = 0.225 * \text{SC} - 52.3$, $\text{adjR}^2 = 0.74$