

Lowes Creek at South 85 Bridge

Road Salt Monitoring Data Summary

January 2012- March 2014¹



Photo courtesy of Jim Beecher

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

Specific conductance summary:

- 22 measurements taken
- Minimum: 180 $\mu\text{S}/\text{cm}$ on 3/31/2012
- Maximum: 340 $\mu\text{S}/\text{cm}$ on 3/7/2014
- Mean: 227 $\mu\text{S}/\text{cm}$

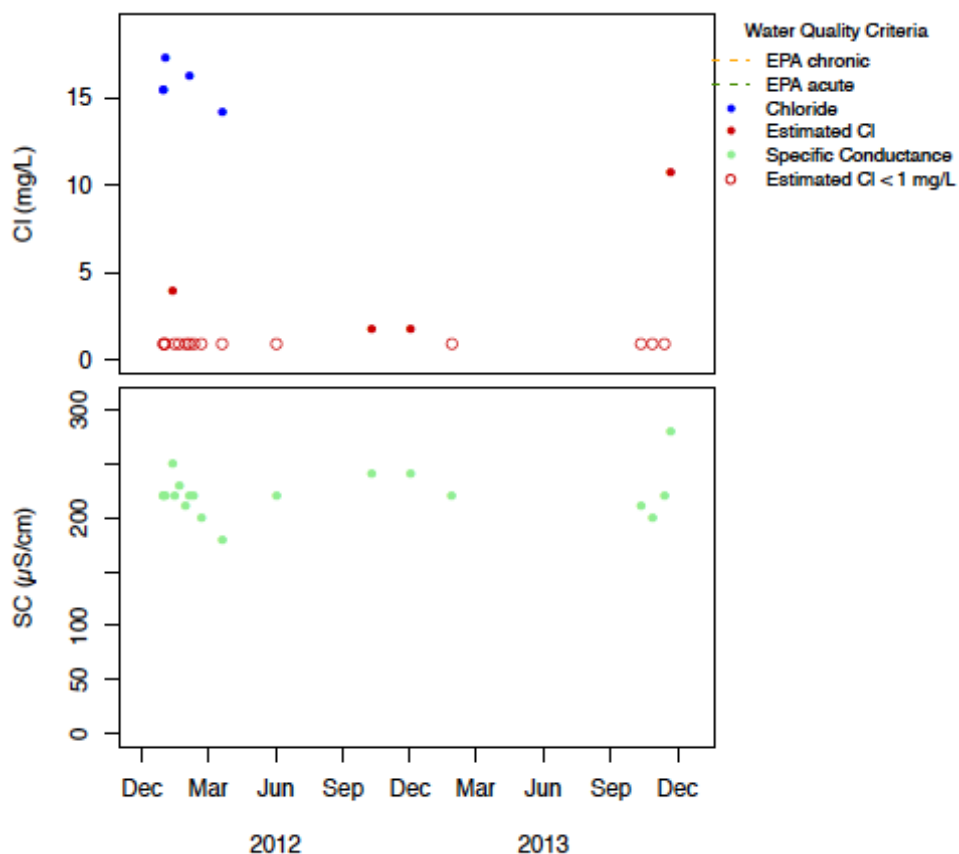
Chloride (Cl⁻) summary:

- 5 samples collected
- Minimum: 14.2 mg/L on 3/31/2012
- Maximum: 49.6 mg/L on 3/7/2014
- Mean: 23 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 in 2012.

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