

# Lowes Creek at CTH II

## Road Salt Monitoring Data Summary

### January 2012 – March 2014<sup>1</sup>



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:**

- 29 measurements taken
- Minimum: 170  $\mu\text{S}/\text{cm}$  on 3/31/2012
- Maximum: 300  $\mu\text{S}/\text{cm}$  on 2/15/2012
- Mean: 208  $\mu\text{S}/\text{cm}$

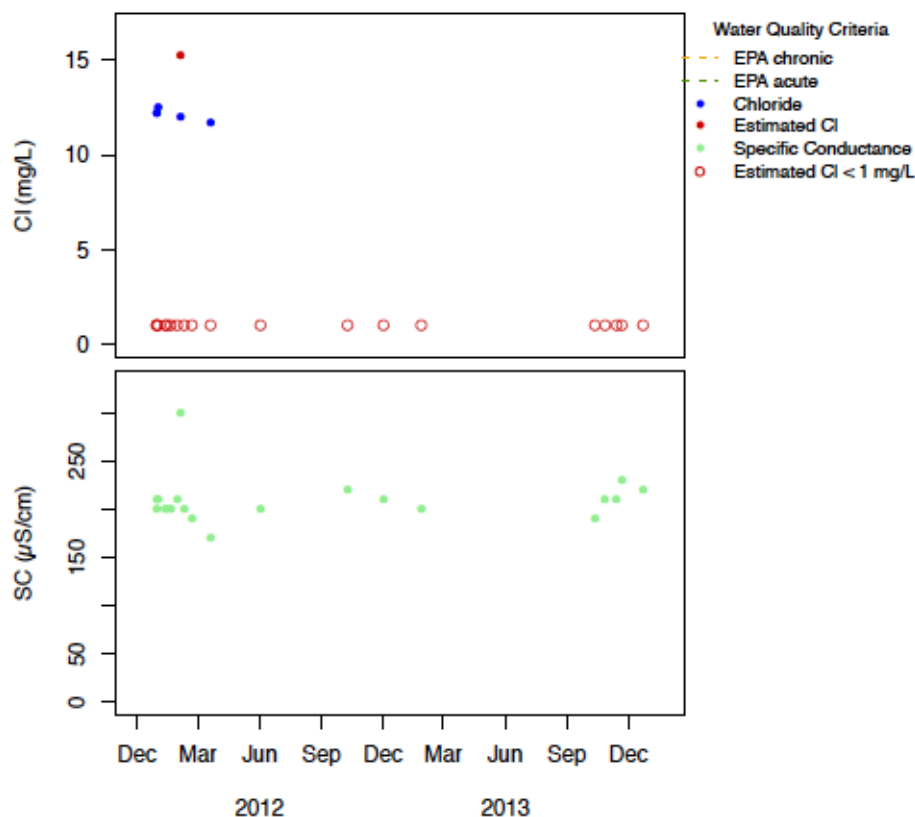
**Chloride (Cl<sup>-</sup>) summary:**

- 5 samples collected
- Minimum: 11.7 mg/L on 3/31/2012
- Maximum: 12.5 mg/L on 1/13/2012 and 1/29/2014
- Mean: 12.2 mg/L

**Measured EPA Acute and Chronic Exceedences for Chloride<sup>2</sup>:**

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

**Results Through December 2013<sup>3</sup>:**



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

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

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