

Rock Creek at Rock Lake Outlet

Road Salt Monitoring Data Summary

January 2012– July 2013 ¹



Photo courtesy of Jim Beecher

Volunteer: Patricia Cicero

Specific conductance summary:

- 10 measurements taken
- Minimum: 229 $\mu\text{S}/\text{cm}$ on 3/6/2012
- Maximum: 495 $\mu\text{S}/\text{cm}$ on 2/15/2012
- Mean: 397 $\mu\text{S}/\text{cm}$

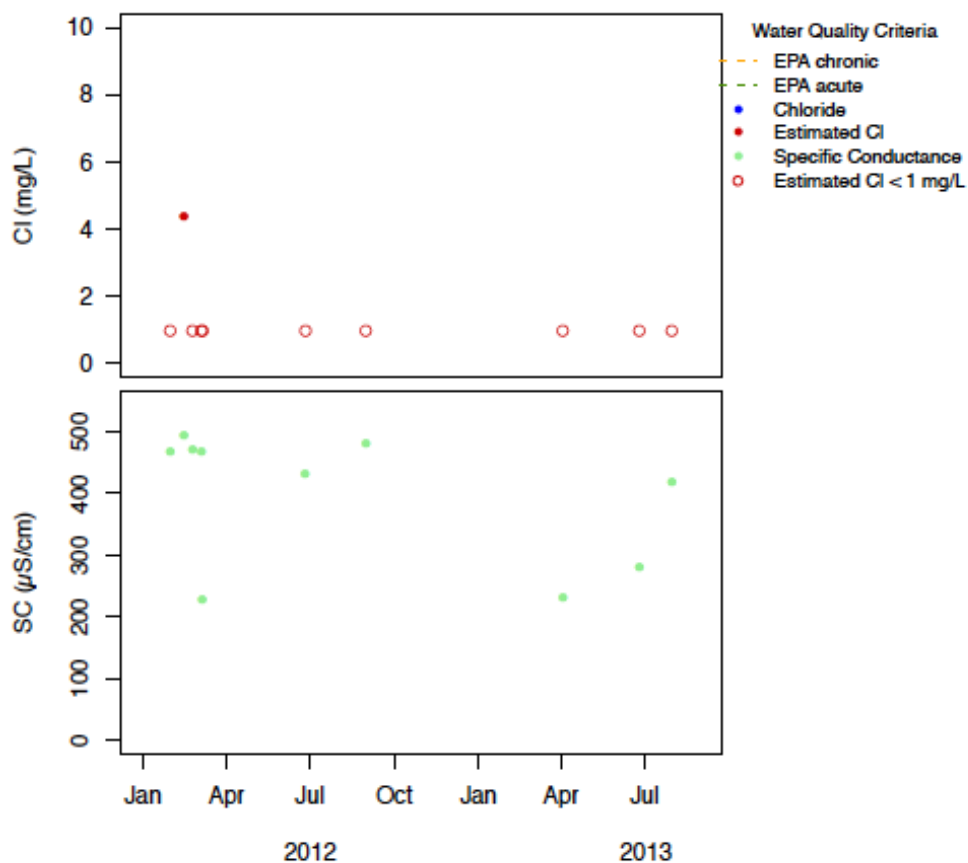
Chloride (Cl⁻) summary:

- NA

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