

Hoods Creek at Brooks Road

Road Salt Monitoring Data Summary

January 2012 – August 2013¹



Photo courtesy of Jim Beecher

Volunteer: Mark Rogahn

Specific conductance summary:

- 14 measurements taken
- Minimum: 770 $\mu\text{S}/\text{cm}$ on 6/30/2013
- Maximum: 2300 $\mu\text{S}/\text{cm}$ on 3/3/2013
- Mean: 1049 $\mu\text{S}/\text{cm}$

Chloride (Cl⁻) summary:

- 7 samples collected
- Minimum: 143 mg/L on 4/11/2012
- Maximum: 531 mg/L on 3/3/2013
- Mean: 224 mg/L

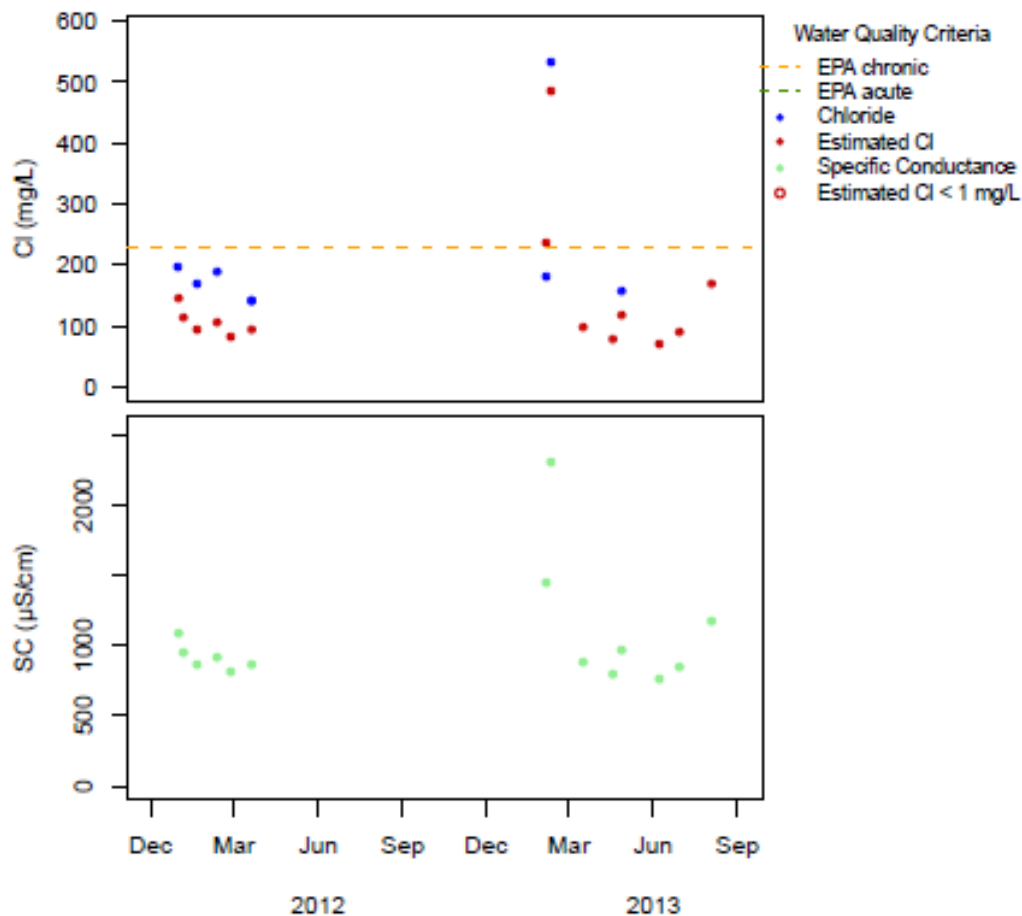
EPA Acute and Chronic Exceedences for Chloride²:

The EPA acute chloride standard of 860 mg/L was not exceeded at this site.

The chronic chloride standard of 230 mg/L was exceeded twice at this site based on volunteer monitoring:

- 236 mg/L on 2/26/2013 (calculated)³
- 531 mg/L on 3/3/2013 (measured)

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