

Middle Branch Jarrett Creek 10m Upstream Main Branch Confluence

Road Salt Monitoring Data Summary

December 2013- August 2014¹



Photo by Jim Beecher

Volunteer: Ted Ludwig, Lyndsey Provos, and Megen Hines

Specific conductance summary:

- 25 measurements taken
- Minimum: 190 $\mu\text{S}/\text{cm}$ on 4/29/2014
- Maximum: 2900 $\mu\text{S}/\text{cm}$ on 3/10/2014
- Mean: 695 $\mu\text{S}/\text{cm}$

Chloride (Cl⁻) summary:

- No samples collected

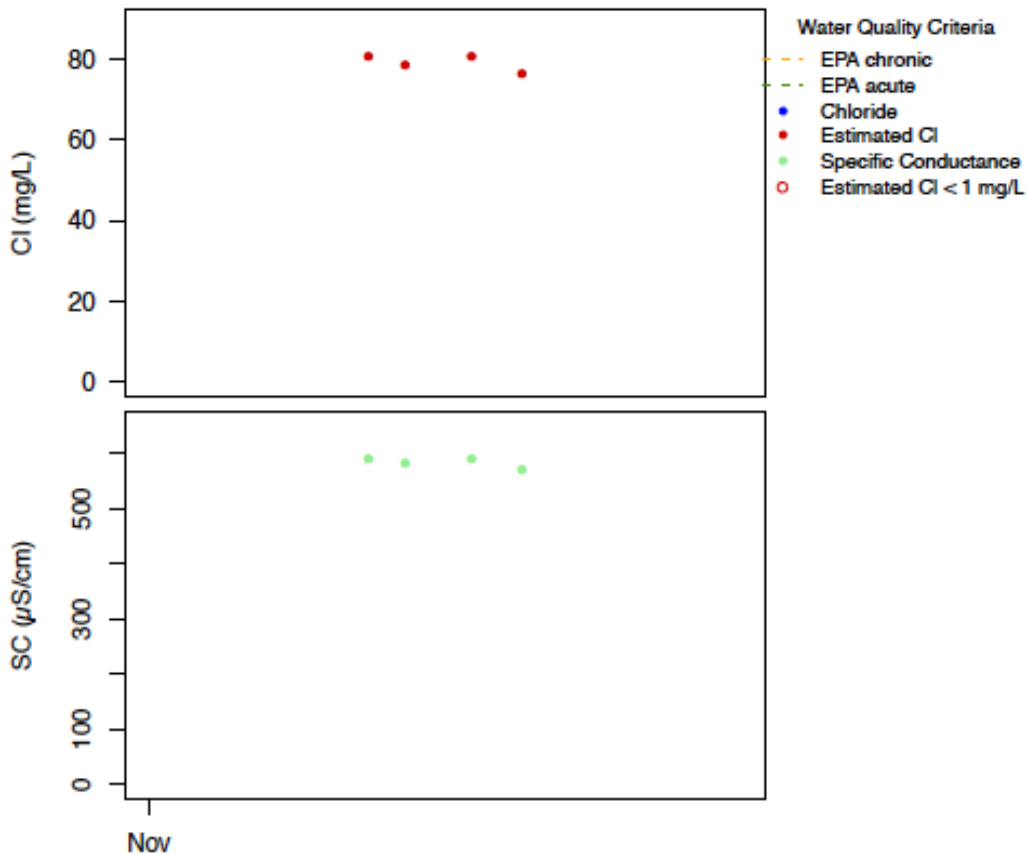
EPA Acute and Chronic Exceedences for Chloride²:

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

The EPA chronic chloride standard of 230 mg/L was exceeded twice at this site.

- 694 mg/L on 3/7/2014 (calculated)³
- 590 mg/L on 3/10/2014 (calculated)

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: $\text{Cl} = 0.225 * \text{SC} - 52.3$, $\text{adjR}^2 = 0.74$, except if $\text{S} > 2250$, then $\text{Cl} = 0.346 * \text{SC} - 309.8$, $\text{adjR}^2 = 0.97$