

East Branch Jarrett Creek 10m Upstream Main Branch Confluence

Road Salt Monitoring Data Summary December 2013- August 2014¹



Photo by Jim Beecher

Volunteer: Ted Ludwig, Lindsey Provos, and Megen Hines

Specific conductance summary:

- 24 measurements taken
- Minimum: 80 $\mu\text{S}/\text{cm}$ on 4/29/2014
- Maximum: 1890 $\mu\text{S}/\text{cm}$ on 3/10/2014
- Mean: 880 $\mu\text{S}/\text{cm}$

Chloride (Cl^-) summary:

- No samples collected

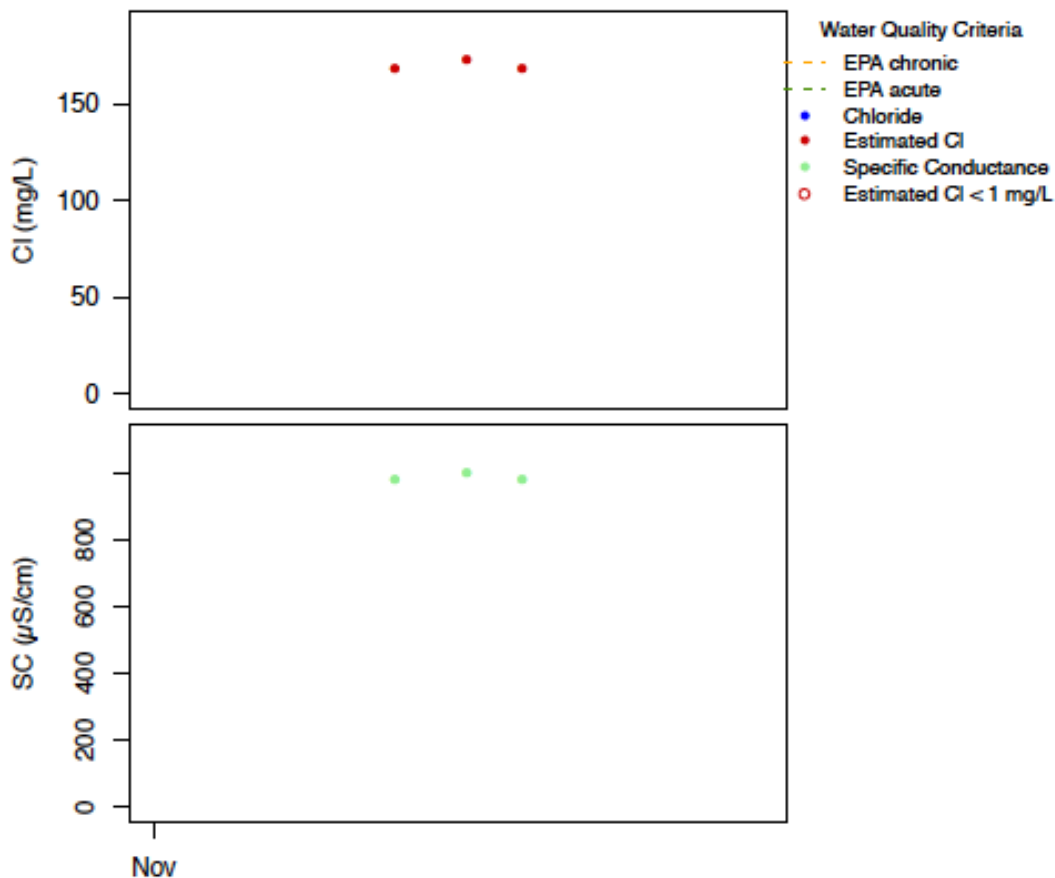
EPA Acute and Chronic Exceedences for Chloride²:

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 once at this site.

- 413 mg/L on 3/10/2014 (calculated)³

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 $\text{SC} > 2250$, then $\text{Cl} = 0.346 * \text{SC} - 309.8$, $\text{adjR}^2 = 0.97$