

# East Branch Jarrett Creek 10m Upstream Main Branch Confluence

## Road Salt Monitoring Data Summary December 2013- August 2014<sup>1</sup>



Photo by Jim Beecher

**Volunteer:** Ted Ludwig, Lyndsey 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 ( $\text{Cl}^-$ ) summary:

- No samples collected

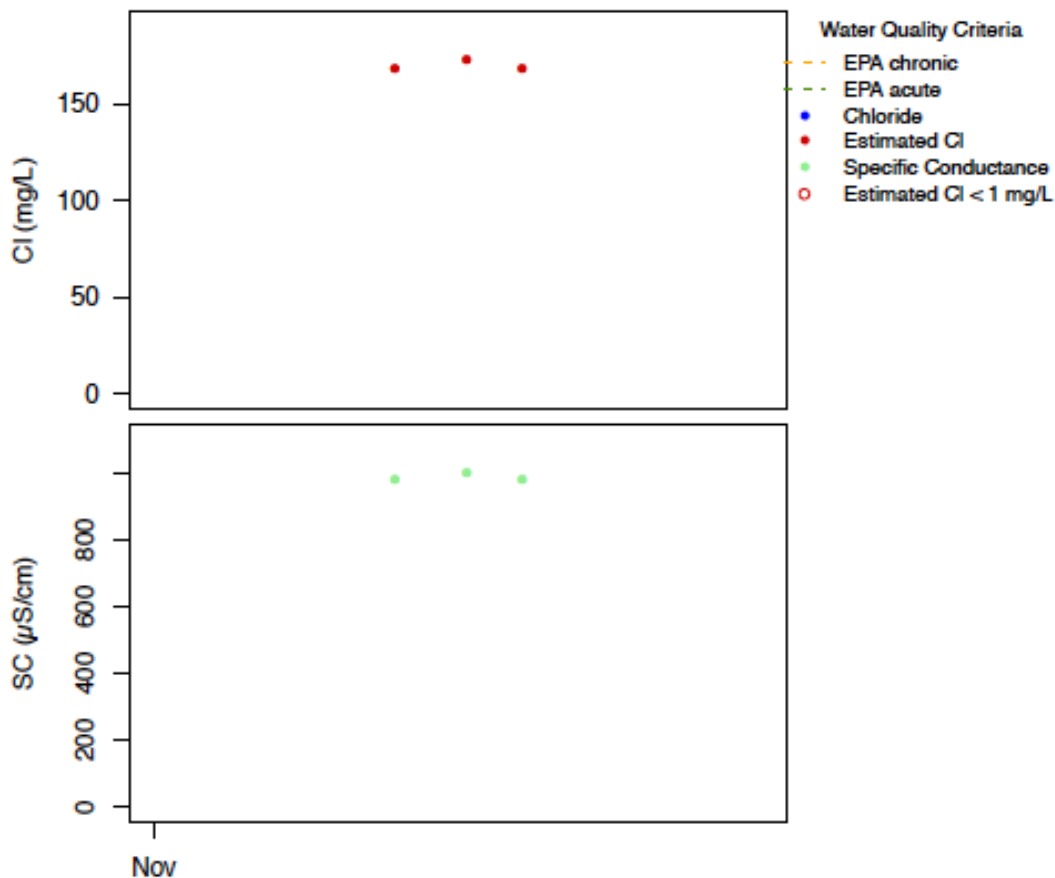
### EPA Acute and Chronic Exceedences for Chloride<sup>2</sup>:

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)<sup>3</sup>

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



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

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

<sup>3</sup> Calculated chloride:  $\text{Cl} = 0.225 * \text{SC} - 52.3$ ,  $\text{adjR}^2 = 0.74$ , except if  $\text{SC} > 2250$ , then  $\text{Cl} = 0.346 * \text{SC} - 309.8$ ,  $\text{adjR}^2 = 0.97$