

# Main Branch Jarrett Creek 10m Upstream Middle Branch Road Salt Monitoring Data Summary December 2013- August 2014<sup>1</sup>



Photo by Jim Beecher

**Volunteer:** Ted Ludwig, Lindsey Provos, and Megen Hines

**Specific conductance summary:**

- 24 measurements taken
- Minimum: 100  $\mu\text{S}/\text{cm}$  on 4/29/2014
- Maximum: 2500  $\mu\text{S}/\text{cm}$  on 3/10/2014
- Mean: 701  $\mu\text{S}/\text{cm}$

**Chloride (Cl<sup>-</sup>) summary:**

- No samples collected

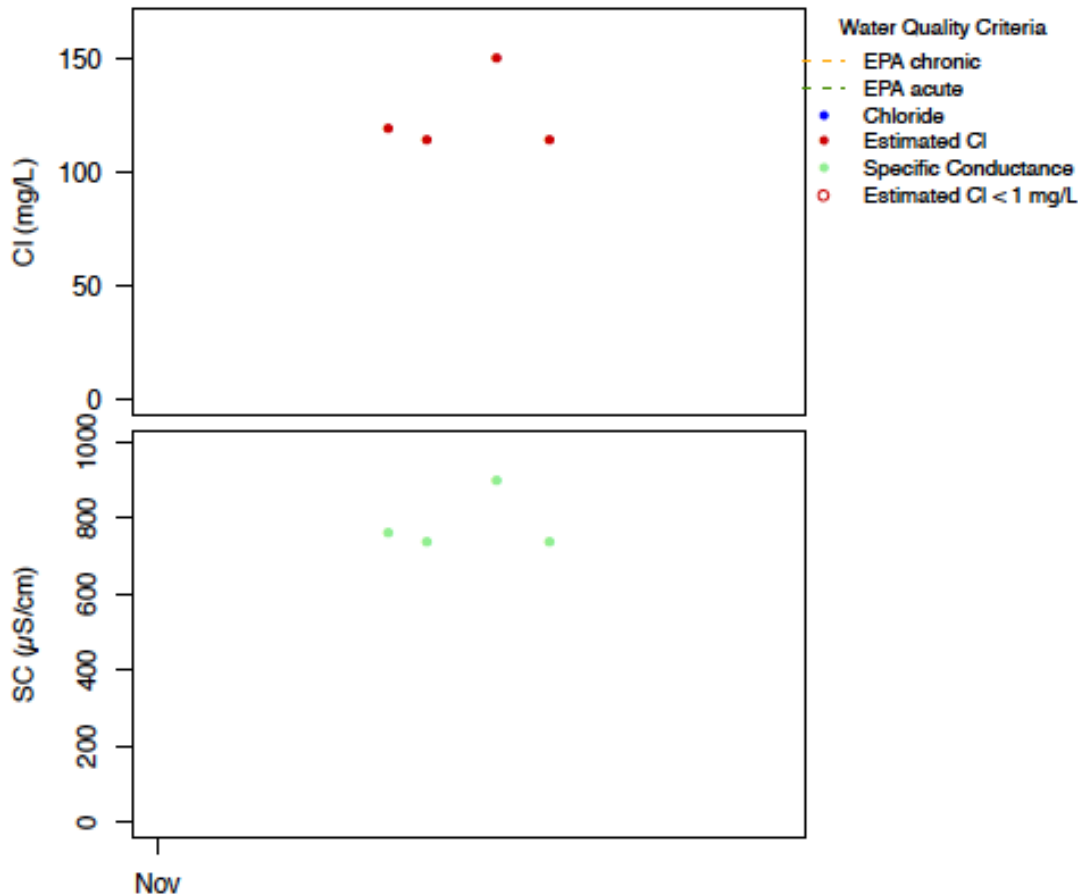
**EPA Acute and Chronic Exceedences for Chloride<sup>2</sup>:**

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.

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