

# Galloway Creek at 9<sup>th</sup> St

## Road Salt Monitoring Data Summary

### December 2013- July 2014<sup>1</sup>



Photo by Jim Beecher

**Volunteer:** Ted Ludwig, Lyndsey Provos, and Megan Hines

**Specific conductance summary:**

- 19 measurements taken
- Minimum: 150  $\mu\text{S}/\text{cm}$  on 4/29/2014
- Maximum: 6000  $\mu\text{S}/\text{cm}$  on 3/7/2014
- Mean: 812  $\mu\text{S}/\text{cm}$

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

- No samples collected

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

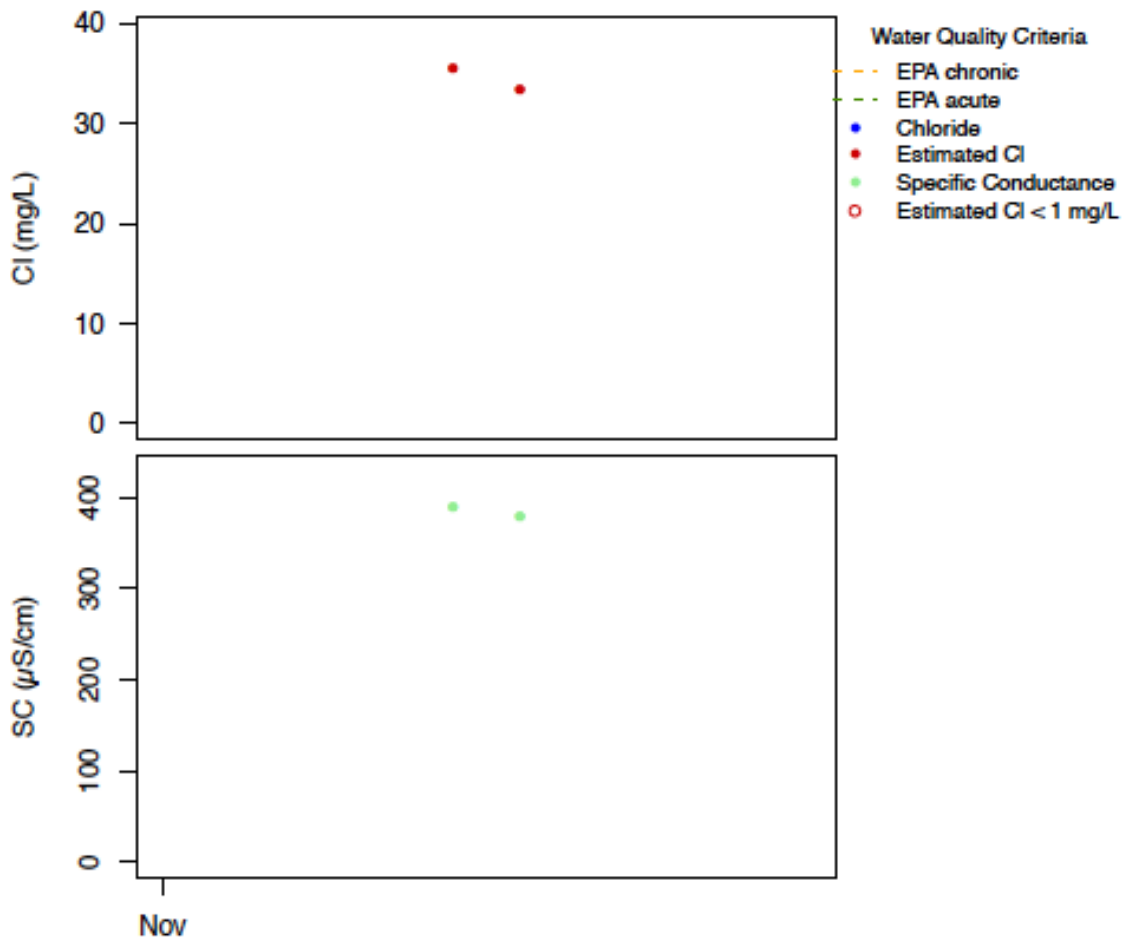
The EPA acute chloride standard of 860 mg/L was exceeded once at this site.

- 1766 mg/L on 3/7/2014 (calculated)<sup>3</sup>

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

- 659 mg/L on 3/10/2014 (calculated)

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