

Ulao Creek at Hwy 60

Road Salt Monitoring Data Summary

February 2011– March 2014¹

Volunteer: Jim Gennrich and Jim Engstrom



Photo from Jim Beecher

Specific conductance summary:

- 44 measurements taken
- Minimum: 250 $\mu\text{S}/\text{cm}$ on 6/9/2012
- Maximum: 17000 $\mu\text{S}/\text{cm}$ on 12/23/2012
- Mean: 2670 $\mu\text{S}/\text{cm}$

Chloride (Cl^-) summary:

- 14 samples collected
- Minimum: 90.7 mg/L on 5/30/2011
- Maximum: 3030 mg/L on 1/28/2013
- Mean: 845 mg/L

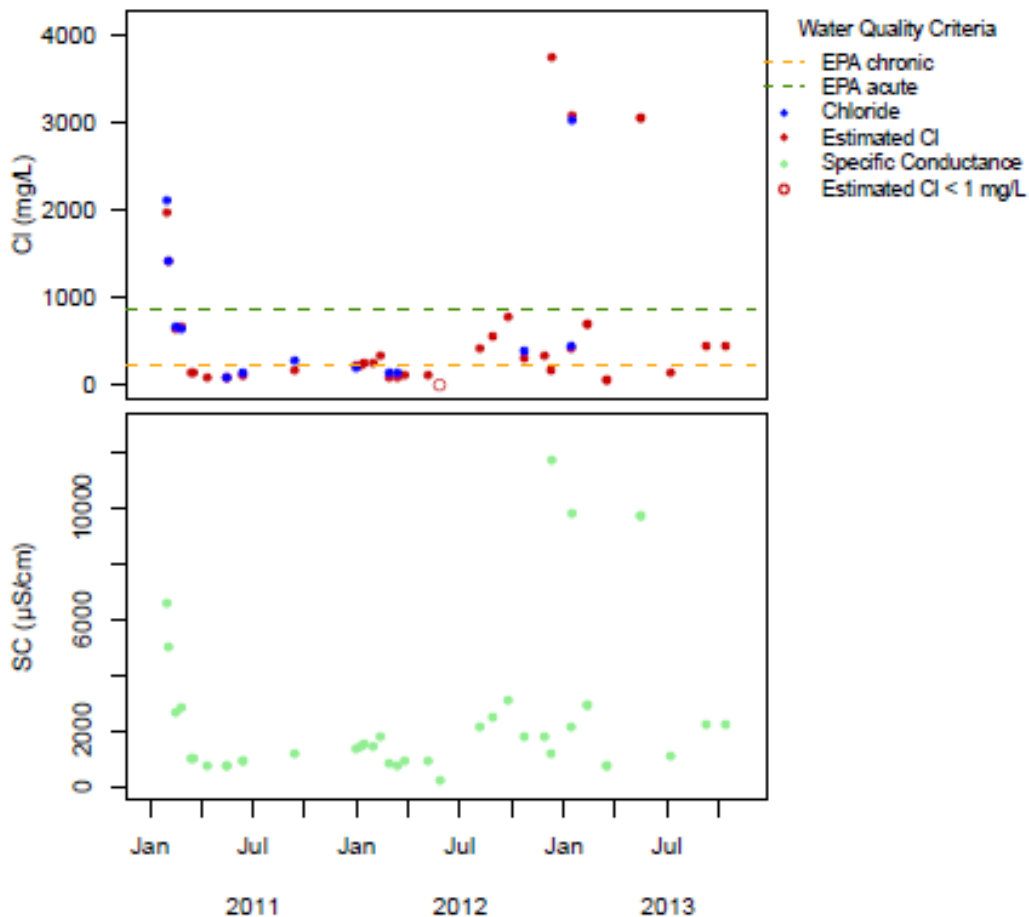
EPA Acute and Chronic Exceedences for Chloride²:

The EPA acute chloride standard of 860 mg/L was exceeded eight times at this site based on volunteer monitoring. In addition to those shown on the graph below, this standard was exceeded:

- 2220 mg/L on 2/23/2014 (measured)

In addition, the EPA chronic chloride standard of 230 mg/L was exceeded 15 times at this site.

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.