Pike River Unnamed Tributary

Road Salt Monitoring Data Summary

February 2012 – May 2014[1]

Photo courtesy of Jim Beecher

Volunteers: Chris Blaine

Specific conductance summary:

- 37 measurements taken
- Minimum: 188 µS/cm on 5/10/2012
- Maximum: 1455 µS/cm on 2/17/2012
- Mean: 806 µS/cm

Chloride (Cl^-) summary:

- 38 samples collected
- Minimum: 11.6 mg/L on 2/24/2014
- Maximum: 312.6 mg/L on 2/17/2012
- Mean: 97 mg/L

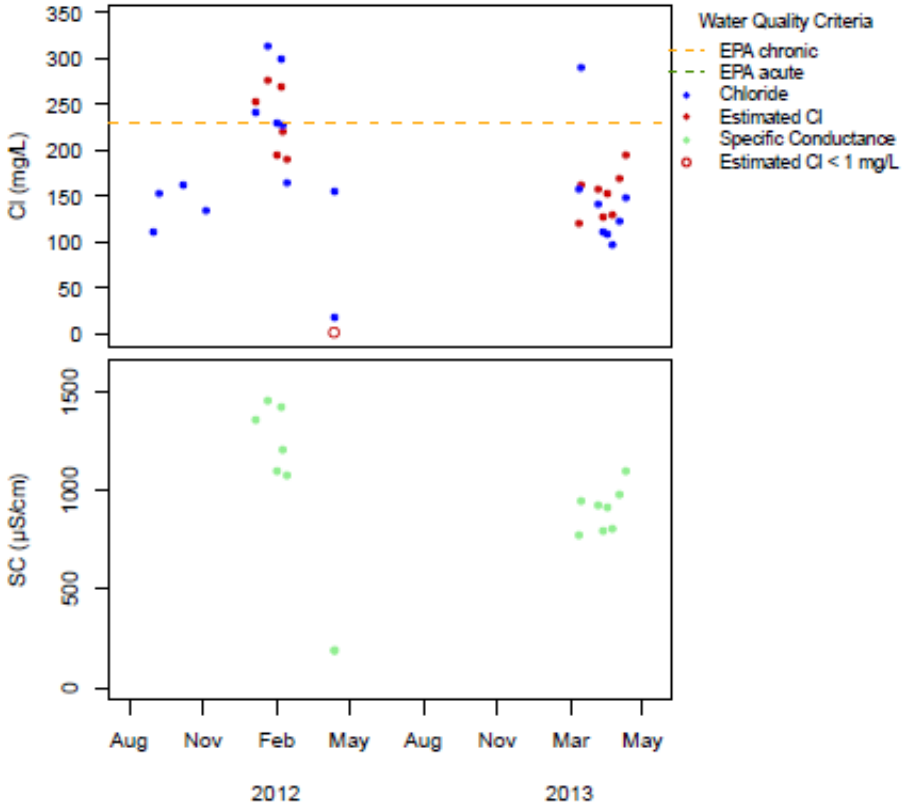
EPA Acute and Chronic Exceedences for Chloride[2]:

The EPA acute chloride standard of 860 mg/L has not been exceeded at this site.

However, the EPA chronic chloride standard of 230 mg/L was exceeded seven times at this site:

- 243 mg/L on 2/2/2012 (measured)
- 230 mg/L on 2/29/2012 (measured)
- 260 mg/L on 3/7/2012 (calculated)[3]
- 290 mg/L on 3/14/2013 (measured)
- 313 mg/L on 2/17/2012 (measured)
- 300 mg/L on 3/5/2012 (measured)
- 231 mg/L on 3/12/2012 (calculated)
- 235 mg/L on 5/9/2013 (calculated)

Results Over Time[3]:



[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: Cl = 0.225 x SC−52.3 adjR^2 = 0.74, except when SC >2250, then Cl = 0.346 * SC – 309.8, adjR^2 = 0.97