

hippewa River - Water Street Bridge

Road Salt Monitoring Data Summary October 2012 – March 2014¹



Photo courtesy of Jim Beecher

Volunteers: Katy Grant and Tim Molitor (2012), Alan Gustafson (2014)

Specific conductance summary:

- 4 measurements taken
- Minimum: 130 $\mu\text{S}/\text{cm}$ on 10/22/2012
- Maximum: 220 $\mu\text{S}/\text{cm}$ on 3/20/2014
- Mean: 160 $\mu\text{S}/\text{cm}$

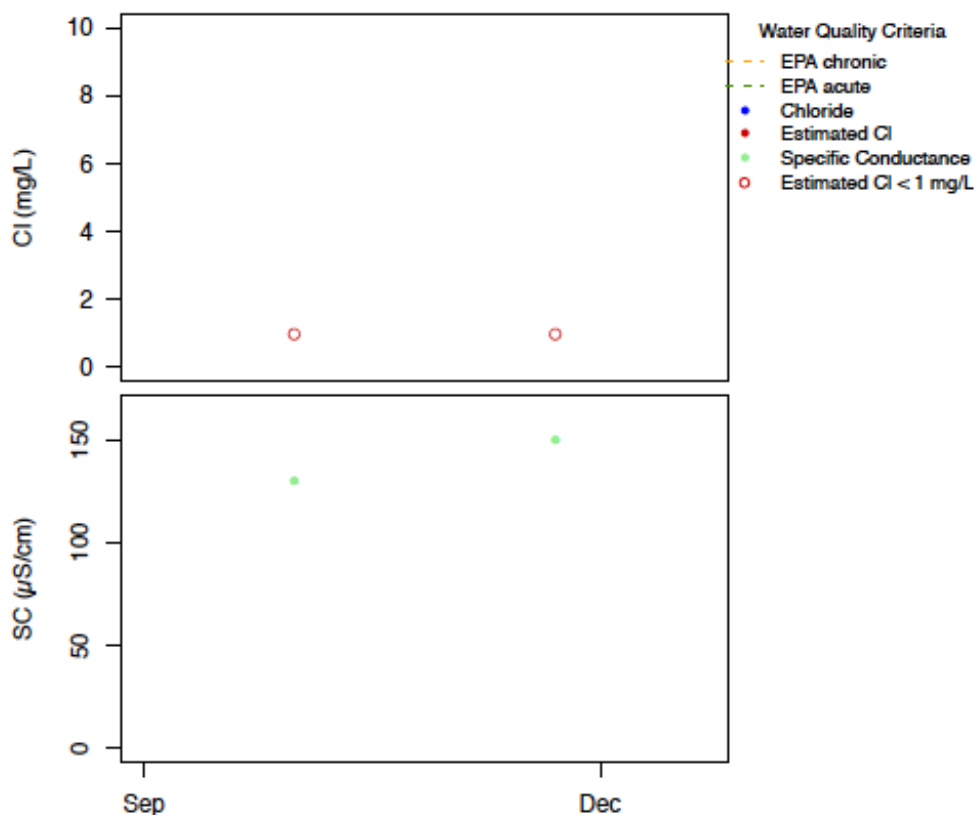
Chloride (Cl⁻) summary:

- 4 measurements taken
- Minimum: 7.05 mg/L on 2/24/2014
- Maximum: 33.6 mg/L on 3/20/2014
- Mean: 16.6 mg/L

EPA Acute and Chronic Exceedences for Chloride²:

Neither the EPA acute chloride standard of 860 mg/L nor the EPA chronic chloride standard of 230 mg/L have been exceeded at this site.

Results Through December 2013³:



¹ All data in SWIMS as of 8/26/2014 downloaded

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

³ Calculated chloride: $\text{Cl} = 0.225 * \text{SC} - 52.3$, $\text{adjR}^2 = 0.74$