Starkweather, E. Br. at Milwaukee
Road Salt Monitoring Data Summary
February 2011–March 2014

Volunteers: Erin and Jake Vennie-Vollrath

Specific conductance summary:
- 39 measurements taken
- Minimum: 300 µS/cm on 9/3/2011
- Maximum: 8500 µS/cm on 1/28/2013
- Mean: 2164 µS/cm

Chloride (Cl') summary:
- 7 samples collected
- Minimum: 35.5 mg/L 9/3/2011
- Maximum: 2570 mg/L 1/28/2013
- Mean: 788 mg/L

EPA Acute and Chronic Exceedences for Chloride:
The EPA acute chloride standard of 860 mg/L was exceeded seven times at this site:
- 1750 mg/L on 1/24/2012 (measured)
- 901 mg/L on 2/10/2013 (calculated)
- 1074 mg/L on 1/20/2014 (calculated)
- 1420 mg/L on 2/20/2014 (calculated)

In addition, the EPA chronic chloride standard of 230 mg/L was exceeded on multiple occasions. In addition to exceedences shown on the graph below, the following were predicted:
- 659 mg/L on 12/26/2013 (calculated)
- 417 mg/L on 3/11/2014 (calculated)

Results Through December 2013:

1 All data in SWIMS as of 8/26/2014 were downloaded
3 Calculated chloride: Cl = 0.242 x SC−115.2 adjR² = 0.8, except when SC >2250, then Cl = 0.346 * SC − 309.8, adjR² = 0.97