

### Chloride Data from DNR SWIMs database (samples from Urban Road Salt Study).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | (Upstream) | **Root River Location** | | | | | | (Downstream) |
| **@ Layton** | **@ Grange** | | **@ Puetz** | **@ Ryan** | | **@ Root River Canal** | **@ 60th St Bridge**  **(Return Flow)** |
| % Urban | 86% | 85% | | 70% | 68% | | 34% | 34% |
| Watershed Area (sq mi) | 12 | 15 | | 46 | 49 | | 69 | 126 |
| **Sample Date  (All from Urban Road Salt Study)** | **Chloride  (mg/L)** | **Chloride  (mg/L)** | **USGS Flow (cfs)** | **Chloride  (mg/L)** | **Chloride  (mg/L)** | **USGS Flow (cfs)** | **Chloride  (mg/L)** | **Chloride  (mg/L)** |
| 2/13/2011 | **1360** | **1220** | 2.4 | - | 670 | 6.3 | - | - |
| 2/27/2011 | **2360** | **4130** | 3.6 | **763** | - | 42 | - | - |
| 3/1/2011 | **2290** | **2240** | 4.9 | **1100** | - | 41 | - | - |
| 3/25/2011 | 401 | 442 | 27 | 238 | - | 169 | - | - |
| 6/20/2011 | 129 | 112 | 25 | 144 | - | 72 | - | - |
| 9/28/2011 | 73.8 | 78.1 | 36 | 111 | - | 67 | - | - |
|  |  |  |  |  |  |  |  |  |
| 1/23/2012 | **2930** | **2130** | 20 | 417 | - | 26 | - | - |
| 2/16/2012 | **921** | **1100** | 4.2 | 465 | - | 15 | - | - |
| 5/31/2012 | 315 | 240 | 7.6 | 168 | - | 9.6 | - | - |
| **Bold and Red** Values exceed the WisCALM 2012 Chloride Acute Toxicity Threshold = 757 mg/L | | | | | | | | |
| % Urban calculated from SEWRPC land use data. Draft Root River Restoration Plan, Table IV-3. | | | | | | | | |

### Data from SEWRPC’s Root River Restoration Plan (Draft Report Figure IV-23)

|  |  |
| --- | --- |
| Picture 1 | |
| Near Ryan Road | |
|  |  |

|  |  |
| --- | --- |
| Picture 2 | |
| At Proposed Return Flow Location (60th Street Bridge) | |
| C:\Users\bbrown6\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\IMG_0496.jpg |  |