














## Appendix C – Municipal Facilities Maps

This Appendix is part of the August 2023 Report “Potential drinking water impacts from road salt storage facilities in Vermont’s Lake Champlain Basin” by the University of Vermont and FluidState Consulting. Maps of the location(s) of deicing materials storage facilities in Vermont municipalities within the Lake Champlain Basin are shown in alphabetical order. Drinking water wells in proximity to the facilities are labeled; in some municipalities there are no wells within the distances selected for mapping for the purpose of this project. Locations have not been field-verified and proximity of water sources to deicing material storage facility is not an indicator of a known concern. Please see the full report for detailed methods and analysis.

### Map Legend

<b>Municipal Deicing Storage Facility</b>	 <b>Drainage Area Boundary</b>
 <b>Covered</b>	<b>Distance to Facility</b>
 <b>Not Covered</b>	<b>Meters</b>
 <b>VTrans Deicing Storage Facility</b>	 30
<b>Private Wells</b>	 60
 <b>Topographically Higher than Facility</b>	 100
 <b>Topographically Lower than Facility</b>	 200
<b>Public Water Source</b>	 300
 <b>Topographically Higher than Facility</b>	
 <b>Topographically Lower than Facility</b>	

### Legend Explanation

- **Municipal Deicing Storage Facility – Covered:** Materials are stored either under a structure (shed or similar) or covered with an impervious membrane (tarp). All materials stored on site are covered.
- **Municipal Deicing Storage Facility – Uncovered:** Some materials on site are not covered by either a structure or a membrane. Typically it was found that salt and sand piles were uncovered in these cases.
- **VTrans Deicing Storage Facility:** VTrans has indicated that all facilities are covered (and on impervious pads).
- **Topographically Higher than Facility:** The Lidar ground surface elevation dataset derived elevation for the reported private well or public water source point is higher than the elevation derived from the same data source for the deicing material storage facility in proximity.
- **Topographically Lower than Facility:** The Lidar ground surface elevation dataset derived elevation for the reported private well or public water source point is lower than the elevation derived from the same data source for the deicing material storage facility in proximity.
- **Drainage Area Boundary:** National Hydrography Dataset – High Resolution surface water drainage boundary.
- **Distance to Facility (Meters):** These are distances between deicing materials storage facilities and drinking water sources, mapped for specific ranges analyzed in this study from 30 to 300 meters.