



**Legend**

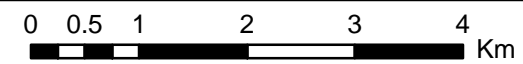
- Sault Ste. Marie Region Source Protection Area
- City of Sault Ste. Marie Boundary
- Groundwater Model Limit
- Sandstone Aquifer Boundary
- Significant Groundwater Recharge Area
- Watercourse
- Waterbody
- Municipal Production Well

Note:  
 The Significant Groundwater Recharge Areas (SGRAs) were delineated based on area-weighted recharge rates for the different hydrologic response units (HRUs) within the groundwater model domain. SGRAs were identified as the portion of the groundwater model where groundwater recharge rates were determined to be greater than 1.15 times the average annual groundwater recharge for the area (366.9 mm/year).

Recharge was assigned based on HRUs delineated during the surface water modelling which represent areas with similar infiltration characteristics. Recharge for each HRU was estimated using GAWSER and are in mm/year.

Recharge values obtained from the surface water model were adjusted during groundwater model calibration.

Source:  
 Map data: Sault Ste. Marie Region Conservation Authority



1:70,000

Project Name:  
**Tier 3 Water Budget Study  
 Sault Ste. Marie**

Title:  
**Tier Three Assessment  
 Significant Groundwater  
 Recharge Areas**

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 E09-439

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