Conceptual Model of a Wellhead Protection Area for Educational Purposes

Setting: High Vulnerability with Direct Surface Water-Groundwater Interaction

DWSMA Drinking Water Supply Management Area

WHPA Wellhead Protection Area (10 Year Time of Travel)

ERA Emergency Response Area (1 Year Time of Travel)

IWMZ Inner Wellhead Management Zone

Surface Water - Groundwater Interaction

Groundwater Flow

Surface Water Runoff Direction

Lake Watershed Area

Sand Aquifer

Public Water Supply Well

Groundwater 10 Year Travel Time Area

Well

0 500 1,000 2,000 Feet

health.drinkingwater@state.mn.us

651-201-4700

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