

GROUNDWATER OBSERVATION WELLS



In Minnesota there are over 700 observation wells managed by the Minnesota DNR. Data from these wells are used to assess ground water resources,

determine long term trends, interpret impacts of pumping and climate, plan for water conservation, evaluate water conflicts, and otherwise manage the water resource.

Lake levels within the Chisago Lakes Chain of Lakes fluctuate substantially over time. Currently, lake levels are low for the major lakes in the system. Historically, there is not good information in the Chisago Lakes area to determine whether lake level fluctuations are

related to climate variability, ground water pumping, or a combination of the two.

In November 2014, one observation well was installed at the South Center Lake public access. Two additional wells are planned to be installed in 2015. The wells will be established in (1) surficial aquifer, (2) shallow sand and gravel aquifers, and (3) Tunnel City-Wonewoc aquifer. Data collected from these two wells will complement data already being collected from a fourth well, located south of North Lindstrom Lake, in the deep Mount Simon Hinckley bedrock aquifer.

Partners:

- Chisago Lakes Lake Improvement District
- Chisago County
- Minnesota Department of Natural Resources

