



Water-Data Report 2006

474436096140801 Local number E03-R 149N44W12BADA S12 Ob. Well 1 0000654754

Sand and gravel aquifers (glaciated regions)
Glacial Surficial Sand & Gravel

Polk County, MN

LOCATION.--Lat 47°44'35.86", long 96°14'07.59" referenced to North American Datum of 1983, in SE ¼ NE ¼ NW ¼ sec.12, T.149 N., R.44 W., Polk County, MN, Hydrologic Unit 09020303.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 69 ft. Upper casing diameter 2 in; top of first opening 59 ft, bottom of last opening 69 ft.

DATUM.--Land-surface datum is 1121.73 ft above North American Vertical Datum of 1988. Measuring point: Undefined, 1.92 ft above land-surface datum, Mar. 9, 2001, to present.

COOPERATION.--This site operated in cooperation with Red Lake Watershed and The Nature Conservancy.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 2

[Remark codes: E, estimated; U, analyzed for but not detected.]

Date	Time	Sample type	Depth of well, feet below LSD (72008)	Altitude of land surface, feet (72000)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)
Aug 23...	1445	Environmental	69	1,121.73	.14	29	16.0	732	1.4	7.0	703	25.5

WATER-QUALITY DATA

WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 2

[Remark codes: E, estimated; U, analyzed for but not detected.]

Date	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Hydrogen sulfide water unfltrd mg/L (71875)
Aug 23...	11.2	290	353	.0	E.007	7.88	.057	8.15	.009	E.002	U