

Sand and gravel aquifers (glaciated regions)  
Glacial Surficial Sand and/or Gravel

Polk County, MN

LOCATION.--Lat 47°39'44.97", long 96°20'24.24" referenced to North American Datum of 1983, in SE ¼ NW ¼ SW ¼ sec.1, T.148 N., R.45 W., Polk County, MN, Hydrologic Unit 09020303.

### GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 19.77 ft. Upper casing diameter 2.12 in; top of first opening 13.01 ft, bottom of last opening 17.31 ft. The hole for well E01S-R was drilled with a 6.25-inch-diameter power auger to a depth of 19.77 feet. The well is constructed of a 4.30-foot-long, 2.06-inch-diameter, 0.010-inch slotted, flush-threaded screen attached to 2.12-inch-diameter, 0.11-inch-thickness galvanized steel casing. The current casing stickup is 3.14 feet above land surface when measured on Oct. 20, 2001. The open interval of the well is between 13.01 and 17.31 feet below land surface and the well is 19.77 feet deep.

DATUM.--Land-surface datum is 1,075.41 ft above North American Vertical Datum of 1988. Measuring point: File notch on W side of casing., 3.14 ft above land-surface datum, Oct. 20, 2001, to present. Water levels are in feet above sea level and depth below land surface. Water levels are accurate to within 0.01 feet below land surface. Water-level elevations are accurate to plus-or-minus 0.07 feet, based on the elevation of the measuring point with a differential GPS survey. Water level differences are accurate to plus-or-minus 0.001 feet.

PERIOD OF RECORD.--Water levels were recorded daily during Oct. 26, 2002 to May 12, 2003. Water levels were recorded hourly during May 13, 2002 at 12:00 CDT to the present, except during the following periods:

<Br>Nov. 30, 2004 at 20:00 CST - Apr. 05, 2005 at 16:00 CDT: due to station failure.<Br>Apr. 12, 2005 at 12:00 CDT - Apr. 26, 2005 at 17:00 CDT: due to transducer thermistor failure.<Br>Dec. 23, 2005 at 08:00 CST - Jan. 09, 2006 at 12:00 CST: due to station failure.<Br>Feb. 07, 2006 at 12:00 CDT - Mar. 04, 2006 at 15:00 CDT: due to station failure.<Br>Dec. 20, 2006 at 19:00 CST - Jan. 04, 2007 at 14:00 CST: due to station failure.<Br>Jan. 07, 2007 at 18:00 CST - Jan. 14, 2007 at 05:00 CST: due to station failure.<Br>Jan. 17, 2007 at 06:00 CST - Jan. 31, 2007 at 17:00 CDT: due to station failure.<Br>Jul. 09, 2008 at 06:00 CDT - Aug. 22, 2008 at 08:00 CDT: due to station failure.<Br>Nov. 30, 2009 at 10:00 CST - Mar. 23, 2010 at 18:00 CDT: due to station failure.<Br>Sept. 15, 2010 at 00:00 CDT - Sept. 29, 2010 at 10:00 CDT: due to station failure.

GAGE.--Water level and water temperature were measured with a Design Analysis H-310 submersible pressure transducer accurate to 0.01 feet and 0.1°C respectively. Data were recorded hourly by a Campbell Scientific, Inc. CR500 data logger. The data logger was upgraded to a Campbell Scientific, Inc. CR206 on Apr. 12, 2011. The data logger is housed in a shelter attached to the well casing, is solar powered, and data are telemetered by radio and telephone.

An unheated Texas Electronics, Inc. TR-525I tipping-bucket rain gage was added to the station on Apr. 28, 2003 at 12:00 CDT which measures and records precipitation total hourly. On Apr. 12, 2011, precipitation total began being recorded quarter-hourly.

COOPERATION.--This station is operated as part of a study to understand hydrologic changes resulting from wetland and prairie restoration and climate change. The station is operated by the U.S. Geological Survey in cooperation with the Red Lake Watershed District, the U.S. Fish and Wildlife Service, and The Nature Conservancy.

REMARKS.--Measured groundwater levels are precise to two decimal places, not the 3 decimal places reported. Differences between subsequent groundwater levels are precise to 3 decimal places, however. Three-decimal place precision is useful at this site for hydrologic analyses such as estimation of groundwater recharge and evapotranspiration.

EXTREMES FOR PERIOD OF RECORD.--Highest water level: 2.979 feet below land surface datum (1072.431 feet NAVD88) on Apr. 23, 2011 at 17:00 CDT; lowest water level: 9.135 feet below land surface datum (1066.275 feet NAVD88) on Mar. 11, 2007 at 13:00 CDT.

Highest daily-average water level: 2.999 feet below land surface datum (1072.411 feet NAVD88) on Apr. 24, 2011; lowest daily-average water level: 9.129 feet below land surface datum (1066.281 feet NAVD88) on Mar. 10, 2007.

EXTREMES FOR CURRENT YEAR.--Highest water level: 2.979 feet below land surface datum (1072.431 feet NAVD88) on Apr. 23, 2011 at 17:00 CDT; lowest water level: 6.521 feet below land surface datum (1068.889 feet NAVD88) on Sept. 30, 2011 at 22:00 CDT.

Highest daily-average water level: 2.999 feet below land surface datum (1072.411 feet NAVD88) on Apr. 24, 2011; lowest daily-average water level: 6.514 feet below land surface datum (1068.896 feet NAVD88) on Sept. 30, 2011.

EXTREMES FOR CURRENT YEAR.--Highest water level, 2.979 ft below land surface datum, Apr. 23; lowest water level, 6.521 ft below land surface datum, Sept. 30.

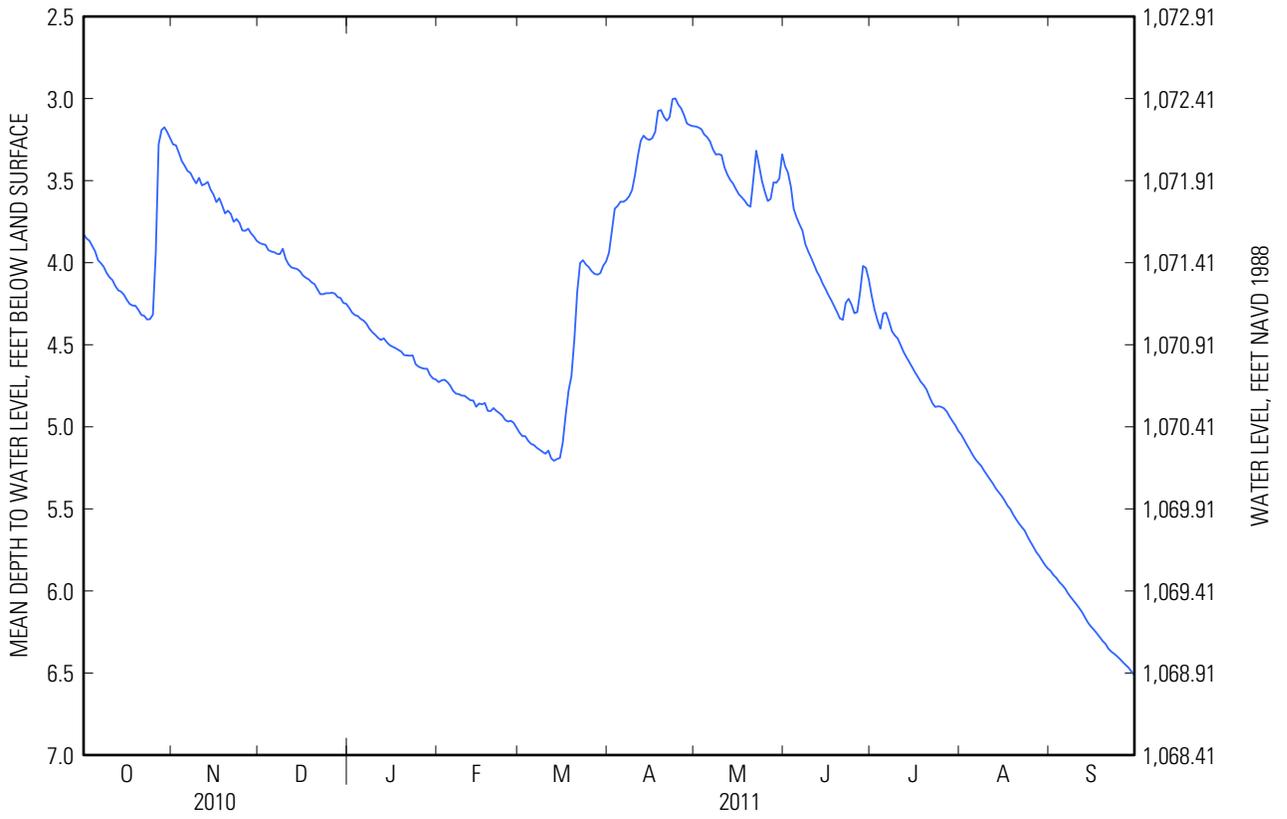
**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.827	3.279	3.880	4.275	4.728	5.035	3.939	e3.170	3.412	4.202	5.047	5.879
2	3.852	3.285	3.887	4.304	4.717	5.057	3.807	e3.176	3.452	4.287	5.078	5.904
3	3.866	3.330	3.891	4.319	4.713	5.057	3.671	3.187	3.537	4.351	5.110	5.921
4	3.898	3.380	3.923	4.325	4.727	5.085	3.654	3.219	3.674	4.402	5.140	5.946
5	3.931	3.409	3.932	4.343	4.749	5.104	3.628	3.235	3.725	4.309	5.172	5.964
6	3.985	3.441	3.936	4.353	4.781	5.111	3.629	3.261	3.767	4.305	5.199	5.985
7	4.003	3.453	3.946	4.372	4.798	5.128	3.617	3.309	3.804	4.357	5.220	6.015
8	4.026	3.488	3.948	4.402	4.801	5.140	3.595	3.341	3.886	4.417	5.240	6.039
9	4.063	3.517	3.915	4.423	4.810	5.153	3.557	3.338	3.931	4.443	5.269	6.061
10	4.089	3.483	3.976	4.439	4.811	5.164	3.467	3.345	3.969	4.462	5.295	6.083
11	4.106	3.529	4.010	4.458	4.825	5.145	e3.350	3.419	4.011	4.501	5.321	6.107
12	4.142	3.521	4.029	4.471	4.838	5.193	e3.257	3.463	4.054	4.542	5.346	6.133
13	4.168	3.508	4.034	4.461	4.840	5.207	3.226	3.496	4.085	4.575	5.376	6.165
14	4.177	3.555	4.039	4.484	4.878	5.196	3.245	3.519	4.127	4.605	5.399	6.195
15	4.196	3.585	4.053	e4.502	4.858	5.190	3.252	3.553	4.160	4.636	5.421	6.218
16	4.227	3.631	4.078	e4.512	4.863	5.095	3.241	3.584	4.197	4.668	5.448	6.237
17	4.252	3.607	4.092	e4.520	4.855	4.927	3.203	3.602	4.229	4.696	5.479	6.259
18	4.261	e3.651	4.102	e4.531	4.903	4.780	3.075	3.622	4.265	4.726	5.501	6.281
19	4.263	3.700	4.120	4.541	4.904	4.690	3.070	3.648	4.301	4.746	5.534	6.305
20	4.288	3.683	4.131	4.563	4.886	4.468	3.110	3.659	4.340	4.773	5.563	6.323
21	4.318	3.703	4.162	e4.565	4.903	4.177	3.135	3.494	4.348	4.816	5.589	6.352
22	4.324	3.751	4.192	e4.567	4.916	4.002	3.113	3.318	4.245	4.855	5.611	6.370
23	4.346	3.734	4.192	4.565	4.931	3.985	3.003	3.409	4.220	4.879	5.633	6.383
24	4.344	3.758	e4.186	4.618	4.957	4.011	2.999	3.503	4.255	4.875	5.669	6.398
25	4.317	3.804	e4.186	e4.633	4.968	4.027	3.037	3.569	4.308	4.878	5.701	6.415
26	3.939	3.806	e4.183	e4.641	4.963	4.052	3.060	3.624	4.301	4.887	5.731	6.434
27	3.278	3.793	4.188	4.646	4.976	4.068	3.101	3.611	4.176	4.907	5.763	6.451
28	3.192	3.821	4.209	4.646	5.006	4.073	3.152	3.511	4.020	4.938	5.786	6.468
29	3.175	3.841	4.215	4.684	---	4.064	e3.162	3.513	4.032	4.966	5.814	6.492
30	3.205	3.867	4.245	4.705	---	4.018	e3.168	3.487	4.103	4.991	5.841	6.514
31	3.242	---	4.251	4.712	---	3.993	---	3.340	---	5.025	5.863	---
<b>Mean</b>	3.977	3.597	4.069	4.503	4.854	4.690	3.317	3.436	4.031	4.646	5.457	6.210
<b>Max</b>	4.346	3.867	4.251	4.712	5.006	5.207	3.939	3.659	4.348	5.025	5.863	6.514
<b>Min</b>	3.175	3.279	3.880	4.275	4.713	3.985	2.999	3.170	3.412	4.202	5.047	5.879

**Water Year 2011**

<b>Mean</b>	4.396
<b>High</b>	2.999
<b>Low</b>	6.514



**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water temperatures were recorded daily during Oct. 26, 2002 to May 12, 2003. Water temperatures were recorded hourly during May 13, 2002 at 12:00 CDT to the present, except during the following periods:  
Nov. 30, 2004 at 20:00 CST - Apr. 05, 2005 at 16:00 CDT: due to station failure.  
Apr. 12, 2005 at 12:00 CDT - Apr. 26, 2005 at 17:00 CDT: due to transducer thermistor failure.  
Dec. 23, 2005 at 08:00 CST - Jan. 09, 2006 at 12:00 CST: due to station failure.  
Feb. 07, 2006 at 12:00 CDT - Mar. 04, 2006 at 15:00 CDT: due to station failure.  
Dec. 20, 2006 at 19:00 CST - Jan. 04, 2007 at 14:00 CST: due to station failure.  
Jan. 07, 2007 at 18:00 CST - Jan. 14, 2007 at 05:00 CST: due to station failure.  
Jan. 17, 2007 at 06:00 CST - Jan. 31, 2007 at 17:00 CDT: due to station failure.  
Jul. 09, 2008 at 06:00 CDT - Aug. 22, 2008 at 08:00 CDT: due to station failure.  
Nov. 30, 2009 at 10:00 CST - Mar. 23, 2010 at 18:00 CDT: due to station failure.  
Sept. 15, 2010 at 00:00 CDT - Sept. 29, 2010 at 10:00 CDT: due to station failure.

INSTRUMENTATION.--Water temperature is measured with a Design Analysis H-310 submersible pressure transducer accurate to 0.1°C. Record is currently uncalibrated while sufficient calibration data is being collected.

COOPERATION.--This station is operated as part of a study to understand hydrologic changes resulting from wetland and prairie restoration and climate change. The station is operated by the U.S. Geological Survey in cooperation with the Red Lake Watershed District, the U.S. Fish and Wildlife Service, and The Nature Conservancy.

## EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: maximum hourly: 9.2°C on many hours during Oct. & Nov., 2010; minimum hourly: 5.5°C during May 12 - 25, 2003.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum daily-average, 9.2°C on many days during Oct. - Nov., 2010; minimum daily-average: 5.3°C on May 13, 2003.

## EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum hourly, 9.2°C on many hours during Oct. - Dec., 2010; minimum hourly, 6.0°C on many hours during May & Jun., 2011.

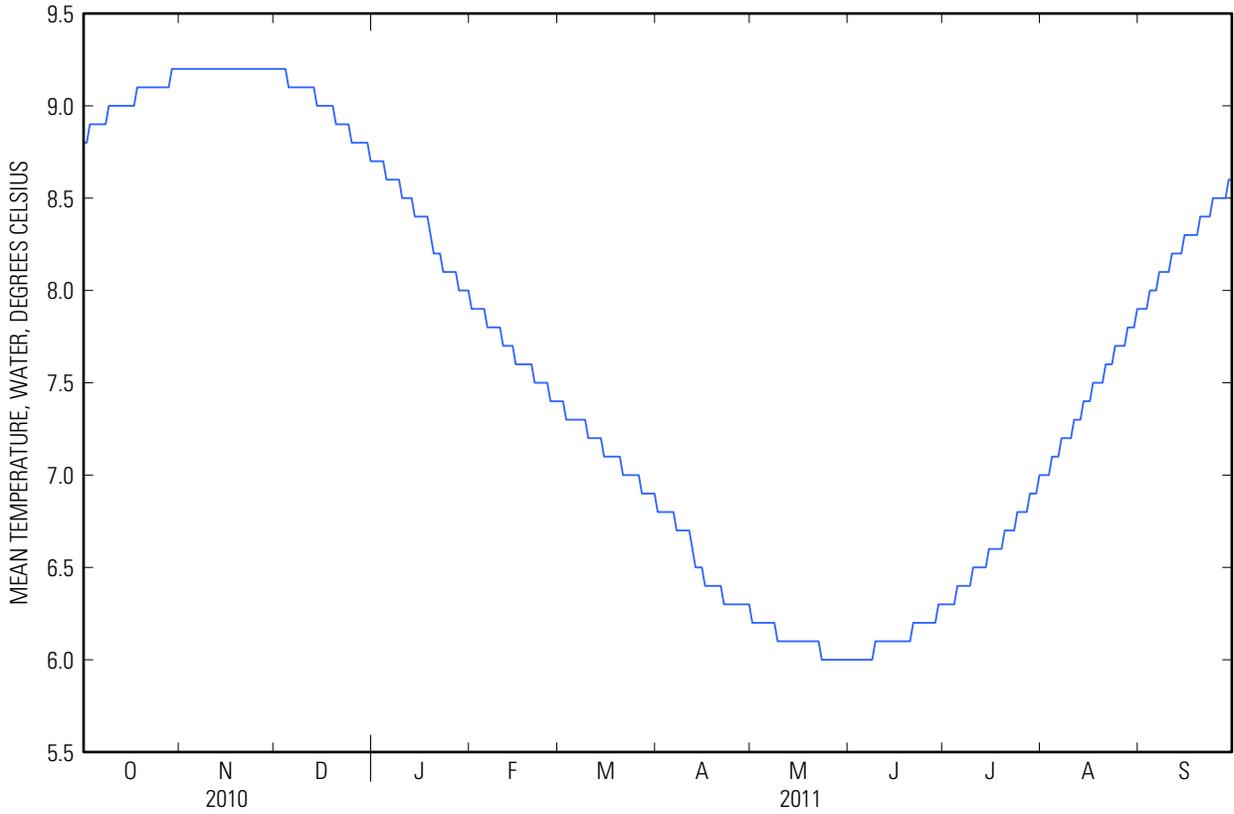
Maximum daily-average, 9.2°C on many days during Oct. - Nov., 2010; minimum daily-average, 6.0°C on many days during May & Jun., 2011.

## EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 9.2°C, on many days; minimum, 6.0°C, on several days.

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.8	9.2	9.2	8.7	7.9	7.4	6.8	e6.2	6.0	6.3	7.0	7.9
2	8.8	9.2	9.2	8.7	7.9	7.4	6.8	e6.2	6.0	6.3	7.0	7.9
3	8.9	9.2	9.2	8.7	7.9	7.3	6.8	6.2	6.0	6.3	7.0	7.9
4	8.9	9.2	9.2	8.7	7.9	7.3	6.8	6.2	6.0	6.3	7.1	8.0
5	8.9	9.2	9.1	8.6	7.9	7.3	6.8	6.2	6.0	6.4	7.1	8.0
6	8.9	9.2	9.1	8.6	7.8	7.3	6.8	6.2	6.0	6.4	7.1	8.0
7	8.9	9.2	9.1	8.6	7.8	7.3	6.7	6.2	6.0	6.4	7.2	8.1
8	8.9	9.2	9.1	8.6	7.8	7.3	6.7	6.2	6.0	6.4	7.2	8.1
9	9.0	9.2	9.1	8.6	7.8	7.3	6.7	6.1	6.1	6.4	7.2	8.1
10	9.0	9.2	9.1	8.5	7.8	7.2	6.7	6.1	6.1	6.5	7.2	8.1
11	9.0	9.2	9.1	8.5	7.7	7.2	6.7	6.1	6.1	6.5	7.3	8.2
12	9.0	9.2	9.1	8.5	7.7	7.2	6.6	6.1	6.1	6.5	7.3	8.2
13	9.0	9.2	9.1	8.5	7.7	7.2	6.5	6.1	6.1	6.5	7.3	8.2
14	9.0	9.2	9.0	8.4	7.7	7.2	6.5	6.1	6.1	6.5	7.4	8.2
15	9.0	9.2	9.0	8.4	7.6	7.1	6.5	6.1	6.1	6.6	7.4	8.3
16	9.0	9.2	9.0	8.4	7.6	7.1	6.4	6.1	6.1	6.6	7.4	8.3
17	9.0	9.2	9.0	8.4	7.6	7.1	6.4	6.1	6.1	6.6	7.5	8.3
18	9.1	9.2	9.0	8.4	7.6	7.1	6.4	6.1	6.1	6.6	7.5	8.3
19	9.1	9.2	9.0	8.3	7.6	7.1	6.4	6.1	6.1	6.6	7.5	8.3
20	9.1	9.2	8.9	8.2	7.6	7.1	6.4	6.1	6.1	6.7	7.5	8.4
21	9.1	9.2	8.9	8.2	7.5	7.0	6.4	6.1	6.2	6.7	7.6	8.4
22	9.1	9.2	8.9	8.2	7.5	7.0	6.3	6.1	6.2	6.7	7.6	8.4
23	9.1	9.2	8.9	8.1	7.5	7.0	6.3	6.0	6.2	6.7	7.6	8.4
24	9.1	9.2	8.9	8.1	7.5	7.0	6.3	6.0	6.2	6.8	7.7	8.5
25	9.1	9.2	8.8	e8.1	7.5	7.0	6.3	6.0	6.2	6.8	7.7	8.5
26	9.1	9.2	8.8	e8.1	7.4	7.0	6.3	6.0	6.2	6.8	7.7	8.5
27	9.1	9.2	8.8	e8.1	7.4	6.9	6.3	6.0	6.2	6.8	7.7	8.5
28	9.1	9.2	8.8	8.0	7.4	6.9	6.3	6.0	6.2	6.9	7.8	8.5
29	9.2	9.2	8.8	8.0	---	6.9	e6.3	6.0	6.3	6.9	7.8	8.6
30	9.2	9.2	8.8	8.0	---	6.9	e6.3	6.0	6.3	6.9	7.8	8.6
31	9.2	---	8.7	8.0	---	6.9	---	6.0	---	7.0	7.9	---



**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 3

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Medium name	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detection angle 90 +/- 30 degrees to incident light, NTU (63675)
07-12-2011	0930	Groundwater	739	19.0	4.58	3.0	8.6	537	8.5	E 4.4
08-23-2011	0930	Groundwater	725	20.0	5.63	2.8	7.3	555	11.1	1.0

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 3

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Sample purpose (71999)	Sampler type (84164)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00452)	Hydrogen sulfide, water, unfiltered, mg/L (71875)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
07-12-2011	0930	GW Network	Peristaltic pump	297	362	.4	U	.019	.23
08-23-2011	0930	GW Network	Peristaltic pump	295	359	.4	U	.022	.21

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 3 of 3

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTU, nephelometric turbidity unit; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; U, analyzed for but not detected]

Date	Sample start time	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)
07-12-2011	0930	< .001	.011	.006	.43
08-23-2011	0930	< .001	.008	< .003	.40

**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--Precipitation were recorded hourly during Apr. 28, 2003 at 18:00 CDT - to the present, except during the following periods:

<Br>Nov. 30, 2004 at 20:00 CST - Apr. 05, 2005 at 16:00 CDT: due to station failure.<Br>Apr. 12, 2005 at 12:00 CDT - Apr. 26, 2005 at 17:00 CDT: due to transducer thermistor failure.<Br>Dec. 23, 2005 at 08:00 CST - Jan. 09, 2006 at 12:00 CST: due to station failure.<Br>Feb. 07, 2006 at 12:00 CDT - Mar. 04, 2006 at 15:00 CDT: due to station failure.<Br>Dec. 20, 2006 at 19:00 CST - Jan. 04, 2007 at 14:00 CST: due to station failure.<Br>Jan. 07, 2007 at 18:00 CST - Jan. 14, 2007 at 05:00 CST: due to station failure.<Br>Jan. 17, 2007 at 06:00 CST - Jan. 31, 2007 at 17:00 CDT: due to station failure.<Br>Jul. 09, 2008 at 06:00 CDT - Aug. 22, 2008 at 08:00 CDT: due to station failure.<Br>Nov. 14, 2008 at 09:00 CST - Apr. 11, 2011 at 18:00 CDT: due to a damaged data wire.

Precipitation was recorded quarter-hourly from Apr. 12, 2011 at 18:30 CDT to the present.

INSTRUMENTATION.--Precipitation is measured with an unheated Texas Electronics, Inc. 6.1-inch TR-525I tipping-bucket rain gage accurate to 0.01 inch, except during freezing periods (about Dec. through early Apr.). The rain gage is unheated and uncovered. The precipitation data during freezing periods result from melting of snow (accumulated in the rain gage) during warm periods and do NOT represent actual precipitation. Precipitation totals during freezing periods may underestimate actual totals because the rain gage funnel may be full of snow (preventing further accumulation) or because snow in the funnel may sublimate instead of melt.

EXTREMES FOR PERIOD OF RECORD.--

PRECIPITATION: Maximum hourly, 1.21 inches on Jul. 04, 2011 at 21:00 CDT; maximum daily, 3.29 inches on Aug. 12, 2006.

EXTREMES FOR CURRENT YEAR.--

PRECIPITATION: Maximum hourly, 1.21 inches on Jul. 04, 2011 at 21:00 CDT; maximum daily, 1.31 inches on Jul. 04, 2011.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 1.31 in., July 4; minimum precipitation, 0.00 in., on many days.

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY SUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	0.00	0.12	0.25
2	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	0.03	0.00	1.31	0.00	0.00
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.09	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.22	0.00
7	---	---	---	---	---	---	---	0.04	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	0.01	0.00	0.09	0.13	0.00
9	---	---	---	---	---	---	---	0.09	0.00	0.49	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00
12	---	---	---	---	---	---	---	0.00	0.03	0.00	0.07	0.00
13	---	---	---	---	---	---	0.00	0.02	0.00	0.00	0.01	0.00
14	---	---	---	---	---	---	0.00	0.03	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.01	0.00	0.06	0.26	0.00	0.00
16	---	---	---	---	---	---	0.48	0.00	0.00	0.08	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00	0.05
19	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.00
20	---	---	---	---	---	---	0.00	0.19	0.00	0.00	0.11	0.50
21	---	---	---	---	---	---	0.03	0.53	0.97	0.00	0.00	0.18
22	---	---	---	---	---	---	0.18	0.01	0.17	0.00	0.00	0.00
23	---	---	---	---	---	---	0.11	0.00	0.00	0.89	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	0.34	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.00
26	---	---	---	---	---	---	0.00	0.00	0.88	0.16	0.00	0.00
27	---	---	---	---	---	---	0.00	0.35	0.58	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00	0.24	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00
30	---	---	---	---	---	---	---	0.43	0.00	0.06	0.36	0.00
31	---	---	---	---	---	---	---	0.10	---	0.00	0.03	---
<b>Total</b>	---	---	---	---	---	---	---	---	2.72	3.70	1.16	0.98

