



Water-Data Report 2011

460444094212501 Local number WLN03-2 130N29W08DCC Camp Ripley 0000349014

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

Morrison County, MN

LOCATION.—Lat 46°04'45.74", long 94°21'26.46" referenced to North American Datum of 1983, in SW ¼ SW ¼ SE ¼ sec.8, T.130 N., R.29 W., Morrison County, MN, Hydrologic Unit 07010104, at Camp Ripley within 465 feet of a production well (H) for the water tower.

GROUNDWATER RECORDS

WELL CHARACTERISTICS. —Depth 58.5 ft. Upper casing diameter 2.00 in; top of first opening 55.5 ft, bottom of last opening 58.5 ft. The hole for well WLN03-2 was drilled with a 5-inch-diameter hydraulic rotary rig In March 1949. The well is constructed of 2-inch diameter standard black iron finished with about a 3-foot long sand point. The overall well length is 60.6 feet and sticks up above the land surface by 2.10 feet. The open interval is about from 55.5 to 59.5 feet below land surface.

DATUM. —Land-surface datum is 1,149.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum, Mar. 1, 1949, to present. Water levels and elevations are accurate to within 0.01 feet based level surveying.

PERIOD OF RECORD. —Water level measurements about monthly by USGS personnel, Mar. 1, 1949 to current year. Continuous water-level measurements with a pressure transducer, Dec. 12, 2003 to Sep. 28, 2005.

REMARKS. —Water level affected by pumping from a nearby well. Owner: Minnesota Army National Guard, Camp Ripley.

EXTREMES FOR PERIOD OF RECORD. —Highest water level observed, 7.35 ft. below land-surface datum, July 28, 1972; lowest observed, 19.75 ft. below land-surface datum, Aug. 4, 1961.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: T, nearby site that taps the same aquifer had been pumped recently.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 15	12.35	V	T	Jun 1	10.73	V	T
Dec 8	11.68	V	T	Jul 6	10.30	V	T
Jan 24	12.18	V	T	Aug 18	9.60	V	T
Mar 8	12.37	V	T				

Water year 2011 highest: 9.60, Aug. 18, 2011; lowest: 12.37, Mar. 8, 2011
 Period of record highest: 7.35, July 28, 1972; lowest: 19.75, Aug. 4, 1961
 Record available from Mar. 1, 1949, to Dec. 27, 2011; 2,403 entries

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