



Water-Data Report 2012

465312096543301 Local number 139-049-06ADB

Sand and gravel aquifers (glaciated regions)
West Fargo Aquifer

Cass County, ND

LOCATION.--Lat 46°53'12", long 96°54'33" referenced to North American Datum of 1927, Cass County, ND, Hydrologic Unit 09020204.

GROUNDWATER RECORDS

PERIOD OF RECORD.--December 1937 to current year.

WELL CHARACTERISTICS.--Drilled observation well, depth 230 ft, cased with 220 ft of 8-in diameter steel pipe, screen set 220 to 230 ft below land-surface datum.

INSTRUMENTATION.--Measured using a chalked steel tape or a graduated electric tape, April 2002 to current year. Water-level recorder January 1938 to April 2002. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the Water Science Center office for January 1928 to April 1998. From April 1998 to April 2002, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 899.4 ft. Measuring point: Top of casing 0.40 ft above land-surface datum.

REMARKS.--Water level data collected by the North Dakota State Water Commission.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.77 ft below land-surface datum, February 5, 1938; lowest water level, 135.60 ft below land-surface datum, December 12, 2009.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Date	Water level	Date	Water level
Oct 8	134.93	Jun 9	134.80
Nov 12	134.87	Jul 9	135.36
Apr 14	134.95	Aug 9	135.64
May 10	134.76	Sep 9	135.71

Water year 2012 highest: 134.76, May 10, 2012; lowest: 135.71, Sep 9, 2012

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