



Water-Data Report 2013

**484731099504104 Local number 161-071-03CDD4**

Sand and gravel aquifers (glaciated regions)  
Shell Valley Aquifer, Pleistocene

Rolette County, ND

LOCATION.--Lat 48°47'31", long 99°50'41" referenced to North American Datum of 1927, Rolette County, ND, Hydrologic Unit 09010004.

**GROUNDWATER RECORDS**

PERIOD OF RECORD.--November 1974 to current year.

WELL CHARACTERISTICS.--Drilled observation well, depth 42 ft, cased with 28 ft of 8-in diameter steel pipe, No. 40 slot screen set 28 to 38 ft below land-surface datum.

INSTRUMENTATION.--Measured using a chalked steel tape or a graduated electric tape, February 2002 to current year. Water-level recorder August 1979 to February 2002. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the Water Science Center office for November 1974 to August 1979. From August 1979 to February 2002, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,752 ft. Measuring point: Top of casing 1.80 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, 10.05 ft below land-surface datum, August 15, 1999; lowest water level, 26.19 ft below land-surface datum, February 24, 1992.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Water level	Date	Water level
Oct 3	12.02	Jun 19	11.18
Nov 7	12.33	Jul 31	10.97
May 29	11.71	Sep 5	11.40

Water year 2013 highest: 10.97, Jul 31, 2013; lowest: 12.33, Nov 7, 2012

484731099504104 Local number 161-071-03CDD4—Continued

