



Water-Data Report 2007

411359095171901 Local number 74-39-01 CCCC

Sand and gravel aquifers (glaciated regions)
Pleistocene Series

Pottawattamie County, IA

LOCATION.--Lat 41°13'59", long 95°17'19" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.1, T.74 N., R.39 W., Pottawattamie County, IA, Hydrologic Unit 10240002, approximately 6.5 mi east of the Town of Carson, on the northeast corner of the junction of State Highway 92 and County Highway M41.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 216 ft. Upper casing diameter 2 in, top of first opening 189 ft, bottom of last opening 216 ft. Drilled observation well, screened interval 189-206 ft, gravel-packed. Open to Pennsylvanian shale 207-216 ft.

DATUM.--Land-surface datum is 1,245 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.35 ft above land-surface datum, May 12, 1993 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--July 1986 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

GAGE.--Measurement with chalked tape by USGS personnel.

REMARKS.--Well SW-21.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.74 ft below land-surface datum, May 11, 2000; lowest measured, 129.38 ft below land-surface datum, August 20, 1986.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Aug 21	127.61	S	--	Sep 25	127.68	S	--

Water year 2007 highest: 127.61 Aug 21, 2007; lowest: 127.68 Sep 25, 2007