

Water-Data Report 2011

345152091502401, 03N08W22DDD2

Mississippi embayment aquifer system
500-Foot Sand (Memphis Aquifer)

Lonoke County, AR

LOCATION.--Lat 34°51'52", long 91°50'25" referenced to North American Datum of 1983, in SE ¼ SE ¼ SE ¼ sec.22, T.3 N., R.8 W., Lonoke County, AR, Hydrologic Unit 08020301, and near Wattensaw.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 325 ft. Upper casing diameter 10 in; top of first opening 279 ft, bottom of last opening 325 ft.

DATUM.--Land-surface datum is 235 ft above National Geodetic Vertical Datum of 1929. Measuring point: Down breather pipe at base, 2.7 ft above land-surface datum, Jan 11, 2005 to current year.

PERIOD OF RECORD.--Annual 1997 and 1999 and quarterly from Jan 2001 to current year.

COOPERATION.--Grand Prairie Water Users Association.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 91.24 ft below land surface datum, Apr 13, 1999; lowest water level, 107.56 ft below land surface datum, Aug 28, 2007.

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

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

Date	Water level	Measurement method	Water-level status	Date	Water level	Measurement method	Water-level status
Oct 13	102.89	S	--	Mar 11	98.14	S	--
Jan 12	98.89	S	--	Aug 25	100.75	S	--

Water year 2011 highest: 98.14, Mar 11, 2011; lowest: 102.89, Oct 13, 2010

Period of record highest: 91.24, Apr 13, 1999; lowest: 107.56, Aug 28, 2007

Record available from Apr 14, 1997, to Oct 5, 2011; 44 entries