



Water-Data Report 2010

**351439089572301 Local number Sh:P-113**

Mississippi embayment aquifer system  
Memphis Sand  
Shelby County, TN

LOCATION.--Lat 35°14'39", long 89°57'23" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010210, south of Ridgemont Ave., between Howardcrest Dr. and Davidcrest Dr. Owner: Memphis Light, Gas and Water Division, City of Memphis.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 to 4 in., depth 529 ft, cased to 519 ft, screened 519 to 529 ft.

DATUM.--Land-surface datum is 301.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to current year. Analog record from July 1976 to May 1978, periodic measurements from May 1978 to January 1981, analog to digital record from January 1981 to October 1995, periodic tape measurements to current year.

GAGE.--Periodic measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 117.00 ft below land-surface datum, Aug. 15, 1975; lowest recorded, 166.08 ft below land-surface datum, Aug. 27, 2007.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Water level	Date	Water level
Oct 28	144.93	Apr 22	146.56
Dec 8	145.64	Jun 2	145.75
Jan 4	142.94	Jul 6	151.78
Feb 1	144.94	28	152.10
Mar 1	144.04	Aug 25	154.24
29	143.31		

Water year 2010 highest: 142.94, Jan 4, 2010; lowest: 154.24, Aug 25, 2010