



Water-Data Report 2010

350124090072200 Local number Sh:J-140

Mississippi embayment aquifer system
Memphis Sand
Shelby County, TN

LOCATION.--Lat 35°01'24", long 90°07'22" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010211, 2.2 miles northwest of W. Shelby Drive and Third Street intersection on W. Shelby Drive. Owner: Memphis Light, Gas and Water Division, City of Memphis.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 553 ft, cased to 543 ft, screened 543 to 553 ft.

DATUM.--Land-surface datum is 293 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1968 to current year. Analog record from August 1968 to June 1976, analog to digital record from June 1976 to October 1995, periodic tape measurements to current year.

GAGE.--Periodic measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 98.06 ft below land-surface datum, May 1970; lowest recorded, 134.62 ft below land-surface datum, Aug. 29, 2007.

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

Date	Water level	Date	Water level
Oct 1	124.04	Apr 12	115.86
29	120.05	27	116.17
Dec 8	117.57	Jun 3	117.37
Jan 5	115.98	30	120.80
Feb 4	118.07	Jul 28	121.20
Mar 4	121.25	Aug 25	124.06

Water year 2010 highest: 115.86, Apr 12, 2010; lowest: 124.06, Aug 25, 2010