



Water-Data Report 2010

350724089555600 Local number Sh:K-066

Mississippi embayment aquifer system
Memphis Sand
Shelby County, TN

LOCATION.--Lat 35°07'24", long 89°55'52" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010210, 250 ft north of Central Ave. and about 0.3 miles west of S. Goodlett Street, at Memphis. Owner: Memphis Light, Gas and Water Division, City of Memphis.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled artesian observation well, depth 499 ft, cased to 438 ft, screened 438 to 499 ft.

DATUM.--Land-surface datum is 302.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.10 ft above land-surface datum.

PERIOD OF RECORD.--January 1946 to current year. Analog record from January 1946 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, 99.09 ft below land-surface datum, Mar. 7, 1946; lowest recorded, 175.40 ft below land-surface datum, June 9, 1977.

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

Date	Water level	Date	Water level
Oct 28	139.34	Apr 28	138.64
Dec 4	139.26	Jun 2	138.23
Jan 4	133.79	Jul 6	148.98
Feb 4	139.05	28	145.62
Mar 3	138.49	Aug 25	147.30
31	135.15		

Water year 2010 highest: 133.79, Jan 4, 2010; lowest: 148.98, Jul 6, 2010