



Water-Data Report 2010

351126089513000 Local number Sh:Q-059

Mississippi embayment aquifer system
Claiborne Group
Shelby County, TN

LOCATION.--Lat 35°11'26", long 89°51'30" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010210, 2,500 ft west of US Hwy. 70, 200 ft north of Elmore Rd. Owner: Memphis Light, Gas and Water Division, City of Memphis.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 840 ft, cased to 830 ft, screened 830 to 840 ft.

DATUM.--Land-surface datum is 308 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1973 to current year. Analog record from May 1973 to July 1976, analog to digital record from July 1976 to June 1989, periodic tape measurements to current year.

GAGE.--Periodic measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 90.23 ft below land-surface datum, Mar. 4, 1981; lowest recorded, 156.99 ft below land-surface datum, May 23, 1978.

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

Date	Water level	Date	Water level
Oct 28	131.38	Apr 22	123.98
Dec 3	125.07	Jun 2	125.20
Jan 4	127.64	Jul 6	128.62
Feb 3	132.68	29	126.87
Mar 1	130.20	Aug 25	127.67
30	115.20		

Water year 2010 highest: 115.20, Mar 30, 2010; lowest: 132.68, Feb 3, 2010