



Water-Data Report 2010

351435090005200 Local number Sh:O-001

Mississippi embayment aquifer system
 Claiborne Group
 Shelby County, TN

LOCATION.--Lat 35°14'37", long 90°00'46" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010209, west side of O.K. Robertson Road, 0.4 mi north of U.S. Highway 51 at Memphis. Owner: Memphis Light, Gas and Water Division, City of Memphis.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 434 ft, cased to 424 ft, screened 424 to 434 ft.

DATUM.--Land-surface datum is 228.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1940 to current year. Analog record September 1940 to July 1976, analog to digital (ADR) record July 1976 to January 1992, periodic tape measurements January 1992 to May 2006, digital record after May 2006. Digital recording and real-time data collection discontinued on March 1, 2010.

GAGE.--Periodic measurements by USGS personnel and data collection platform--60-minute interval.

REMARKS.--Records good. No missing records. Water levels affected by pumpage for municipal and industrial water supply in the Memphis area. Digital recording and real-time data collection discontinued on March 1, 2010.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.65 ft below land-surface datum, Sept. 3, 1940; lowest recorded, 68.82 ft below land-surface datum, Aug. 24, 1988.

**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
 DAILY MAXIMUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5	57.74	54.73	54.90	53.09	52.37	---	---	---	---	---	---	---
10	57.51	54.42	54.72	53.95	52.22	---	---	---	---	---	---	---
15	56.86	54.44	54.50	54.48	52.30	---	---	---	---	---	---	---
20	56.36	54.82	54.20	54.83	52.56	---	---	---	---	---	---	---
25	54.79	54.80	54.04	54.19	53.06	---	---	---	---	---	---	---
Eom	54.79	54.80	53.58	52.96	53.15	---	---	---	---	---	---	---

WTR YR 2010 Highest 50.47 June 2, 2010 Lowest 58.66 Aug. 25, 2010

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