



Water-Data Report 2008

351320089535800 Local number Sh:P-001

Mississippi embayment aquifer system
 Clairborne Group
 Shelby County, TN

LOCATION.--Lat 35°13'20", long 89°54'01" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010210, 500 ft northeast of Yale and Scheibler Roads and about 0.4 miles east of Austin Peay Highway near Raleigh. Owner: Memphis Light, Gas and Water Division, City of Memphis.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled artesian observation well, depth 342 ft, cased to 332 ft, screened 332 to 342 ft.

DATUM.--Land-surface datum is 299.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1940 to current year. Analog record from September 1940 to July 1976, analog to digital record July 1976 to September 1986, periodic tape measurements from September 1986 to May 2006, digital record May 2006 to current year.

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.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 67.41 ft below land-surface datum, Sept. 30, 1940; lowest recorded, 133.88 ft below land-surface datum, Nov. 1, 2000.

**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 DAILY MAXIMUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5	130.12	127.22	125.43	123.75	123.10	122.30	120.58	120.35	122.20	125.36	128.87	126.92
10	129.86	127.27	125.30	123.71	123.39	122.20	120.44	120.54	123.54	125.67	128.92	126.27
15	129.33	127.28	124.84	123.68	123.40	121.86	120.47	120.50	123.55	126.00	128.66	126.28
20	128.75	126.91	124.56	123.44	122.99	121.50	120.19	120.91	123.51	127.08	128.43	126.32
25	128.12	126.48	124.35	123.53	122.63	121.32	120.03	121.32	123.76	127.84	127.46	126.15
Eom	127.54	126.00	123.60	123.26	122.61	120.87	120.10	121.56	124.47	127.92	127.08	126.12

WTR YR 2008 Highest 119.99 Apr. 25, 2008 Lowest 130.27 Oct. 1, 2007

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