



Water-Data Report 2009

350910090015102 Local number Sh:O-170

Mississippi embayment aquifer system
 Fort Pillow Sand of Wilcox Group
 Shelby County, TN

LOCATION.--Lat 35°09'10", long 90°01'51" referenced to North American Datum of 1927, Shelby County, TN, Hydrologic Unit 08010210, on North Dunlap St, 0.2 mile south of intersection of North Parkway and North Dunlap. Owner: Memphis Light, Gas and Water Division, City of Memphis.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., depth 1,381 ft, cased to 1,311 ft, screened 1,311 to 1,381 ft.

DATUM.--Land-surface datum is 255.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.50 ft above land-surface datum until October 2006. Top of casing 2.45 ft above land-surface datum thereafter.

PERIOD OF RECORD.--January 1945 to current year. Analog record January 1945 to July 1976; analog to digital (ADR) record July 1976 to October 1997, periodic tape measurements or monthly maximum-minimum recorder October 1997 to May 2006; digital and real-time recording May 2006.

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, 48.70 ft below land-surface datum, Jan. 26 1945; lowest recorded, 115.13 ft below land-surface datum, Oct. 5, 2008.

**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
 DAILY MAXIMUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5	115.13	112.10	109.29	105.79	104.91	104.61	104.04	102.96	104.43	106.97	106.71	107.71
10	114.58	111.97	109.10	106.50	105.41	105.27	103.14	101.99	104.01	106.57	106.97	106.65
15	114.27	111.31	109.10	105.64	105.02	105.55	102.88	101.35	104.27	107.75	107.77	106.96
20	114.02	111.10	107.81	105.62	104.61	104.61	103.04	102.32	104.57	107.43	106.99	106.99
25	113.38	110.79	107.14	105.61	104.83	104.25	102.95	102.32	104.79	107.14	107.20	105.85
Eom	112.63	109.50	106.02	105.04	104.81	104.00	102.74	102.99	106.17	107.70	107.37	105.84

WTR YR 2009 Highest 101.12 May 16, 2009 Lowest 115.13 Oct. 5, 2008

350910090015102 Local number Sh:O-170—Continued

