



Water-Data Report 2011

274547081470901 Local number ROMP 45 HAWTHORN WELL AT FORT MEADE FL

Intermediate aquifer system
Hawthorn Limestone Aquifer

Polk County, FL

LOCATION.--Lat 27°45'51.3", long 81°47'09.9" referenced to North American Datum of 1983, in SE ¼ SE ¼ SW ¼ sec.23, T.31 S., R.25 E., Polk County, FL, Hydrologic Unit 03100101.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 192 ft. Upper casing diameter 4.00 in; top of first opening 110 ft, bottom of last opening 192 ft.

DATUM.--Land-surface datum is 121.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.5 ft above land-surface datum, Feb. 1981 to present.

PERIOD OF RECORD.--February 1976 to September 1992; May 1993 to September 2011 (miscellaneous water level measurements), discontinued. Prior to October 1979, published as Ft. Meade BM Well at Ft. Meade.

GAGE.--Miscellaneous measurement with chalked tape.

EXTREMES FOR PERIOD OF RECORD.--Highest measured water level, 83.23 ft NGVD, Sep. 23, 2004; lowest daily maximum, 37.14 ft NGVD, May 8, 1976.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: S, steel tape. Water-level status: - - , static.]

| Date | Water level | Measure-ment method | Water-level status | Date | Water level | Measure-ment method | Water-level status |
|--------|-------------|---------------------|--------------------|--------|-------------|---------------------|--------------------|
| May 24 | 64.51 | S | -- | Sep 16 | 75.58 | S | -- |

Water year 2011 lowest: 64.51, May 24, 2011, highest: 75.58, Sep 16, 2011