



Water-Data Report 2010

**282348080564701 Local number Palmetto Well near Bithlo, FL.**

Floridan aquifer system  
 Floridan Aquifer System  
 Orange County, FL

LOCATION.--Lat 28°23'48", long 80°56'47" referenced to North American Datum of 1927, in NE ¼ SE ¼ SE ¼ sec.18, T.24 S., R.34 E., Orange County, FL, Hydrologic Unit 03080101, 50 ft west of State Road 520, 5 mi southeast of BeeLine Expressway. Owner: U.S. Geological Survey.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 381 ft. Upper casing diameter 3 in; top of first opening 245 ft, bottom of last opening 381 ft. Drilled, artesian well, cased to 245 ft.

DATUM.--Land-surface datum is 40.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.60 ft above land-surface datum, Mar. 25, 2002, to present. Prior to March 25, 2002 top of casing was 0.33 ft lower.

PERIOD OF RECORD.--October 1960 to September 1991 (semiannually); October 1991 to September 2007 (monthly); May 2008 to September 2010 (semiannually), discontinued.

GAGE.--Semiannual measurement with chalked or electric tape.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.32 ft above NGVD of 1929, Oct. 25, 1960; lowest measured, 29.44 ft above NGVD of 1929, June 27, 2000.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

[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 17	35.23	S	--	Sep 13	35.16	S	--

Water year 2010 lowest: 35.16, Sep 13, 2010, highest: 35.23, May 17, 2010