

274846081262001 Local number Lake Weohyakapka Well near Frostproof, FL.

Floridan aquifer system
Floridan Aquifer System

Polk County, FL

LOCATION.--Lat 27°48'46", long 81°26'20" referenced to North American Datum of 1927, in NE ¼ NW ¼ SE ¼ sec.5, T.31 S., R.29 E., Polk County, FL, Hydrologic Unit 03090101, on southwest shore of Lake Weohyakapka, at county boat ramp, and 8.0 mi east of Frostproof. Owner: Polk County.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 199 ft. Upper casing diameter 3 in; top of first opening 153 ft, bottom of last opening 199 ft. Drilled, artesian well, cased to 153 ft.

DATUM.--Land-surface datum is 65.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Spigot on discharge line, 1.85 ft above land-surface datum, Feb. 27, 1958, to present. Prior to Oct. 1, 1977, datum was considered to be 65 ft, from topographic map, and Oct. 1, 1977, to Sept. 30, 1978, at 65.30 ft above NGVD of 1929.

PERIOD OF RECORD.--February 1958, December 1959, June 1969 to September 1984 (bimonthly); October 1984 to September 1986 (monthly); October 1986 to current year (bimonthly).

GAGE.--Bimonthly measurement with pressure gage.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.4 ft above NGVD of 1929, present datum, Dec. 15, 1959; lowest measured, 72.3 ft above NGVD of 1929, May 20, 1981.

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

[Measurement method: H, calibrated pressure gage. Water-level status: --, static; S, nearby site that taps the same aquifer was being pumped.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 13	81.4	H	--	Mar 22	79.9	H	--
Dec 7	80.1	H	--	Jun 2	78.6	H	--
Jan 19	80.8	H	--	Aug 18	82.9	H	S

Water year 2011 lowest: 78.6, Jun 2, 2011, highest: 81.4, Oct 13, 2010