



Water-Data Report 2011

271308081522601 Local number Arcadia Well 2 at Arcadia, FL.

Intermediate aquifer system
Hawthorn Formation

DeSoto County, FL

LOCATION.--Lat 27°13'09.3", long 81°52'26.9" referenced to North American Datum of 1983, in NW ¼ NW ¼ NW ¼ sec.36, T.37 S., R.24 E., DeSoto County, FL, Hydrologic Unit 03100101, 900 ft south of intersection State Highway 70 and Baldwin Avenue, and 0.9 mi west of U. S. Highway 17 in Arcadia.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 372 ft. Upper casing diameter 8.00 in; top of first opening 263 ft, bottom of last opening 372 ft. Drilled, unused municipal, artesian well.

DATUM.--Land-surface datum is 29.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. valve, 3.10 ft above land-surface datum, Jan. 22, 1970, to present.

PERIOD OF RECORD.--November 1970 to September 2011 (periodic), discontinued. Records of water levels prior to January 1974 are not published but are available in files of the Geological Survey.

GAGE.--Periodic measurement with pressure gage by USGS personnel.

COOPERATION.--This gage is monitored in cooperation with Southwest Florida Water Management District.

REMARKS.--There was construction during the 2007 water year resulting in the land surface elevation rising approximately 0.65 ft. around the well. The LSD, MP elevation, and MP description will remain the same.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.45 ft NGVD, Sept. 27, 1978; lowest measured, 32.29 ft NGVD, May 18, 2000.

CORRECTIONS.--The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +1.33 ft.

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

[Measurement method: G, pressure gage. Water-level status: - , static.]

| Date | Water level | Measure-ment method | Water-level status | Date | Water level | Measure-ment method | Water-level status |
|--------|-------------|---------------------|--------------------|--------|-------------|---------------------|--------------------|
| Oct 4 | 46.8 | G | -- | May 25 | 40.3 | G | -- |
| Dec 10 | 37.3 | G | -- | Jun 3 | 36.8 | G | -- |
| Jan 31 | 43.0 | G | -- | Aug 15 | 39.6 | G | -- |
| Apr 8 | 43.7 | G | -- | Sep 14 | 47.2 | G | -- |

Water year 2011 lowest: 36.8, Jun 3, 2011, highest: 47.2, Sep 14, 2011

271308081522601 Local number Arcadia Well 2 at Arcadia, FL.—Continued

