



Water-Data Report 2012

302538081253201 Local number D-164 REPLACEMENT WELL AT FT GEORGE ISLAND, FL

Floridan aquifer system
 Floridan Aquifer System

Duval County, FL

LOCATION.--Lat 30°25'38", long 81°25'32" referenced to North American Datum of 1927, sec. 10, T.1 S., R.29 E., Duval County, FL, Hydrologic Unit 03070205, 1200 ft southwest of Florida Park Service Office, approximately, 85 ft east of Ft. George Island Road (Edgewood Dr.), 2.3 mi north of State Highway 105 in Jacksonville. Owner: State of Florida Park Service.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 510 ft. Upper casing diameter 3 in; top of first opening 460 ft, bottom of last opening 510 ft. Drilled, artesian well, cased to 460 ft.

DATUM.--Land-surface datum is 16.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Mark on 6 in well flange., 0.98 ft above land-surface datum, Dec. 15, 2003, to present.

PERIOD OF RECORD.--December 2003 to May 2005 (miscellaneous measurements); October 2006 to September 2007 (quarterly); October 2007 to current year (semiannually).

GAGE.--Semiannual measurements with pressure gage.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft above NGVD of 1929, November 9, 2005; lowest measured, 34.3 ft above NGVD of 1929, May 25, 2011.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

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

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Apr 25	35.2	H	--	Aug 23	37.0	H	--

Water year 2012 lowest: 35.2, Apr 25, 2012, highest: 37.0, Aug 23, 2012

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2004 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 2

[CaCO₃, calcium carbonate; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Color, water, filtered, platinum cobalt units (00080)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)
08-23-2012	1045	--	--	1,960	25.1	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 2 of 2

[CaCO₃, calcium carbonate; SiO₂, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Sodium, water, filtered, mg/L (00930)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Strontium, water, filtered, µg/L (01080)
08-23-2012	1045	--	419	--	--	--	--