



Water-Data Report 2012

301537081441901 Local number D-75. City of Jacksonville Confederate Point Well at Jacksonville, FL.

Floridan aquifer system
Floridan Aquifer System

Duval County, FL

LOCATION.--Lat 30°15'37", long 81°44'19" referenced to North American Datum of 1927, in land grant 42, T.3 S., R.26 E., Duval County, FL, Hydrologic Unit 03080103, at water plant lot, 200 ft north of west end of Swamp Fox Road, in Jacksonville. Owner: City of Jacksonville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 1,302 ft. Upper casing diameter 12 in; top of first opening 970 ft, bottom of last opening 1,302 ft. Drilled, unused, observation, artesian well, cased to 970 ft.

DATUM.--Land-surface datum is 15.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of slab, 0.5 ft above land-surface datum, Sept. 30, 2002, to present. Prior to September 2002, land-surface datum was considered to be 15.30 ft from topographic map.

PERIOD OF RECORD.--October 1986 to September 2006 (monthly); October 2006 to October 2007 (quarterly); November 2007 to current year (semiannually).

GAGE.--Semiannual measurement with pressure gage.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft above NGVD of 1929, Mar. 23, 1998, present datum; lowest measured, 31.0 ft above NGVD of 1929, July 21, 2000, present datum.

**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 24	34.0	H	--	Aug 22	35.7	H	--

Water year 2012 lowest: 34.0, Apr 24, 2012, highest: 35.7, Aug 22, 2012

301537081441901 Local number D-75. City of Jacksonville Confederate Point Well at Jacksonville, FL.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 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	0700	--	--	363	24.5	--	--	--	--	--

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	0700	--	7.30	--	--	--	--