



Water-Data Report 2011

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, Sep. 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 2010 TO SEPTEMBER 2011**

[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
May 24	33.2	H	--	Aug 16	32.5	H	--

Water year 2011 lowest: 32.5, Aug 16, 2011, highest: 33.2, May 24, 2011

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 2010 TO SEPTEMBER 2011

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,	pH,	Specific	Tempera-	Dissolved	Hardness,	Calcium,	Magne-	Potassium,
		water,	water,	conduc-		solids				
		filtered,	unfiltered,	tance,	ture,	dried at	water,	water,	water,	water,
		platinum	field,	water,	water,	180 °C,	mg/L as	filtered,	filtered,	filtered,
		cobalt	standard	unfiltered,	°C	water,	CaCO ₃	mg/L	mg/L	mg/L
		units	units	µS/cm at	(00010)	filtered,	(00900)	(00915)	(00925)	(00935)
		(00080)	(00400)	25 °C		mg/L				
				(00095)		(70300)				
05-24-2011	1240	< 1	7.9	354	24.8	231	172	40.4	16.3	1.87
08-16-2011	0930	--	--	362	25.1	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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,	Chloride,	Fluoride,	Silica,	Sulfate,	Strontium,
					water,		
		water,	water,	water,	water,	water,	water,
		filtered,	filtered,	filtered,	filtered,	filtered,	filtered,
		mg/L	mg/L	mg/L	mg/L as	mg/L	µg/L
		(00930)	(00940)	(00950)	SiO ₂	(00945)	(01080)
					(00955)		
05-24-2011	1240	6.89	7.63	.42	17.0	60.7	3,350
08-16-2011	0930	--	7.31	--	--	--	--