



Water-Data Report 2012

**301604081361501 Local number D-450. City of Jacksonville Santa Monica Well at Jacksonville, FL.**

Floridan aquifer system  
 Floridan Aquifer System

Duval County, FL

LOCATION.--Lat 30°16'08", long 81°36'28" referenced to North American Datum of 1927, in land grant 56, T.3 S., R.27 E., Duval County, FL, Hydrologic Unit 03080103, at water treatment plant, 75 ft east of the end of J-Ray Circle, 1 block east of Interstate Highway 95. Owner: City of Jacksonville.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 1,304 ft. Upper casing diameter 8 in; top of first opening 502 ft, bottom of last opening 1,304 ft. Drilled, unused, observation, artesian well, cased to 502 ft.

DATUM.--Land-surface datum is 20.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete slab, 0.5 ft above land-surface datum, Oct. 6, 1986, to present. Prior to September 2002, land-surface datum was considered to be 22 ft from topographic map.

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

GAGE.--Semiannual measurement with pressure gage.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.2 ft above NGVD of 1929, Mar. 24, 1998, present datum; lowest measured, 28.1 ft above NGVD of 1929, July 26, 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 23	30.7	H	--	Aug 22	32.8	H	--

Water year 2012 lowest: 30.7, Apr 23, 2012, highest: 32.8, Aug 22, 2012

## 301604081361501 Local number D-450. City of Jacksonville Santa Monica 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

[CaCO<sub>3</sub>, calcium carbonate; SiO<sub>2</sub>, 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 <sub>3</sub> (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)
08-23-2012	0605	--	--	760	23.6	--	--	--	--	--

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 2 of 2

[CaCO<sub>3</sub>, calcium carbonate; SiO<sub>2</sub>, 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 <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)	Strontium, water, filtered, µg/L (01080)
08-23-2012	0605	--	68.6	--	--	--	--