



Water-Data Report 2008

302227081435001 Local number D-592. City of Jacksonville Lincoln Estates Well at Jacksonville, FL.

Floridan aquifer system
 Floridan Aquifer
 Duval County, FL

LOCATION.--Lat 30°22'27", long 81°43'50" referenced to North American Datum of 1927, in land grant 39, T.1 S., R.26 E., Duval County, FL, Hydrologic Unit 03080103, at water treatment plant, on south side of Kinlock Drive South, 0.3 mile west of U.S. Highway 1. Owner: City of Jacksonville.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 1,326 ft. Upper casing diameter 10 in; top of first opening 1,150 ft, bottom of last opening 1,326 ft. Drilled, unused, observation, artesian well, cased to 1,150 ft.

DATUM.--Land-surface datum is 8.85 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 considered to be 10 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, 42.75 ft above NGVD of 1929, Mar. 23, 1998, present datum; lowest measured, 31.55 ft above NGVD of 1929, July 25, 2000, present datum.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

[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
Nov 6	34.6	G	--	Apr 29	36.5	G	--

Water year 2008; lowest: 34.6 Nov 06, 2007 highest: 36.5 Apr 29, 2008

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

Date	Time	Elev- ation, feet above NGVD (72020)	Color, water, fltrd, Pt-Co units (00080)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)
Nov 06...	0945	34.55	--	--	560	24.0	--	--	--	--	--	--	12.0
Apr 29...	1030	36.45	10	7.8	552	23.5	300	74.5	25.7	1.64	10.7	134	11.9

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

Date	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Stront- ium, water, fltrd, μg/L (01080)
Apr 29...	.65	22.6	160	418	2,780