



Water-Data Report 2006

302557081253101 Local number D-913. Jerri Betz Well at Fort George Island, Jacksonville, FL.

Floridan aquifer system
 Floridan Aquifer
 Duval County, FL

LOCATION.--Lat 30°25'57", long 81°25'31" referenced to North American Datum of 1927, in land grant 37, T.1 S., R.29 E., Duval County, FL, Hydrologic Unit 03080103, located at former site of Betz residence, at State Park on Fort George Island, off dirt road, 0.30 mi north of Ft. George Road. Owner: Florida Park Service.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 556 ft. Upper casing diameter 4 in; top of first opening 435 ft, bottom of last opening 556 ft. Drilled, domestic, artesian well, cased to 435 ft.

DATUM.--Land-surface datum is 21.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of water spigot handle, 1.40 ft above land-surface datum, Oct. 25, 2002, to present. Prior to July 2002, land-surface datum was considered to be 20.00 ft from topographic map. Measuring point: Top of water spigot handle, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--January 1982, October 1990 to September 2006 (quarterly), discontinued.

GAGE.--Quarterly measurement with pressure gage.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.38 ft above NGVD of 1929, Jan. 25, 1995, present datum; lowest measured, 33.28 ft above NGVD of 1929, July 26, 2000, present datum.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

[Measurement method: G, pressure gage; S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Dec 1	41.28	G	--	Apr 25	38.18	G	--
Jan 24	41.58	S	--	Jul 26	36.98	G	--

Water year 2006; lowest: 36.98 Jul 26, 2006 highest: 41.58 Jan 24, 2006

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1987, 1990-2006, discontinued.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 2

Date	Time	Color, water, fltrd, Pt-Co units (00080)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/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,	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)
											wat unf fixed end pt, lab, mg/L as CaCO3 (90410)		
Dec 01...	1030	--	--	1,790	21.0	--	--	--	--	--	--	398	--
Jan 24...	1115	--	--	1,910	22.0	--	--	--	--	--	--	418	--
Apr 25...	1420	20	7.5	1,890	24.0	520	107	60.4	3.75	172	135	412	.6
Jul 26...	1145	--	--	1,880	24.0	--	--	--	--	--	--	410	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 2

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC	
			wat flt mg/L (70300)	Stront- ium, water, fltrd, ug/L (01080)
Dec 01...	--	--	--	--
Jan 24...	--	--	--	--
Apr 25...	24.0	169	1,120	1,930
Jul 26...	--	--	--	--