

294130081382000 ST. JOHNS RIVER AT DANCY POINT NEAR PALATKA, FL

St. Johns Basin
Lower St. Johns Subbasin

LOCATION.--Lat 29°41'30", long 81°38'20" referenced to North American Datum of 1983, in sec.0, T.9 S., R.27 E., Putnam County, FL, Hydrologic Unit 03080103, on Aids to Navigation range marker, 3.0 mi northeast of Palatka, and 71 mi upstream from mouth.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: June 2006 to April 2008 (discontinued).

WATER TEMPERATURE: June 2006 to April 2008 (discontinued).

DISSOLVED OXYGEN: June 2006 to April 2008 (discontinued).

TURBIDITY: June 2006 to April 2008 (discontinued).

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Temporary location for the St. Johns River at Dancy Point near Spuds, FL (294213081345300) gage. Extremes for current year and extremes for period of daily record are based on recorded values and may have been exceeded during periods of no record.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 2,080 $\mu\text{S}/\text{cm}$ @ 25 °C, May 10, 2007; minimum daily mean, 897 $\mu\text{S}/\text{cm}$ @ 25 °C, Feb. 8, 2007.

WATER TEMPERATURE: Maximum daily mean, 32.1 °C, Aug. 11, 13, 2007; minimum daily mean, 12.2 °C, Jan. 5, 2008.

DISSOLVED OXYGEN: Maximum daily mean, 10.9 mg/L, May 2, 2007; minimum daily mean, 3.0 mg/L, Oct. 11, 2007.

TURBIDITY: Maximum daily mean, 21 FNU, March 8, 2008; minimum daily mean, 1.7 FNU, Oct. 11, 2007, Jan. 13, 2008.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 1,430 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 20, 27; minimum daily mean, 901 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 9.

WATER TEMPERATURE: Maximum daily mean, 27.4 °C, Oct. 7, 8; minimum daily mean, 12.2 °C, Jan. 5.

DISSOLVED OXYGEN: Maximum daily mean, 10.1 mg/L, Jan 5, 28; minimum daily mean, 3.0 mg/L, Oct. 11.

TURBIDITY: Maximum daily mean, 21 FNU, March 8; minimum daily mean, 1.7 FNU Oct. 11, Jan. 13.

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,150	1,350	1,240	1,130	1,050	1,240	---	---	---	---	---	---
2	1,170	1,320	1,240	1,120	1,080	1,240	1,290	---	---	---	---	---
3	1,150	1,330	1,270	1,130	1,130	1,240	1,300	---	---	---	---	---
4	1,100	1,360	1,280	1,120	1,200	1,240	1,280	---	---	---	---	---
5	1,100	1,370	1,240	1,140	1,240	1,200	1,270	---	---	---	---	---
6	1,070	1,300	1,210	1,050	1,270	1,170	1,260	---	---	---	---	---
7	1,040	1,200	1,200	952	1,300	1,130	1,260	---	---	---	---	---
8	972	1,180	1,200	1,010	1,310	1,120	1,260	---	---	---	---	---
9	901	1,150	1,210	1,050	1,310	1,200	1,240	---	---	---	---	---
10	957	1,100	1,220	1,110	1,320	1,230	1,220	---	---	---	---	---
11	1,060	1,130	1,230	1,190	1,320	1,240	1,200	---	---	---	---	---
12	1,130	1,140	1,240	1,230	1,330	1,190	1,230	---	---	---	---	---
13	1,150	1,210	1,200	1,250	1,320	1,220	1,250	---	---	---	---	---
14	1,200	1,310	1,160	1,250	1,310	1,270	1,250	---	---	---	---	---
15	1,260	1,310	1,160	1,260	1,340	1,260	1,250	---	---	---	---	---
16	1,300	1,330	1,180	1,260	1,360	1,270	1,240	---	---	---	---	---
17	1,320	1,340	1,190	1,250	1,360	1,250	---	---	---	---	---	---
18	1,330	1,350	1,210	1,260	1,350	1,180	---	---	---	---	---	---
19	1,380	1,360	1,220	1,250	1,340	1,200	---	---	---	---	---	---
20	1,430	1,340	1,220	1,240	1,300	1,250	---	---	---	---	---	---
21	1,420	1,340	1,220	1,210	1,220	1,260	---	---	---	---	---	---
22	1,420	1,330	1,220	1,200	1,210	1,250	---	---	---	---	---	---
23	1,420	1,330	1,210	1,240	1,210	1,260	---	---	---	---	---	---
24	1,410	1,340	1,210	1,250	1,200	1,260	---	---	---	---	---	---
25	1,420	1,340	1,220	1,250	1,210	---	---	---	---	---	---	---
26	1,420	1,340	1,220	1,250	1,210	---	---	---	---	---	---	---
27	1,430	1,340	1,220	1,250	1,220	---	---	---	---	---	---	---
28	1,420	1,340	1,220	1,250	1,220	---	---	---	---	---	---	---
29	1,390	1,340	1,210	1,250	1,240	---	---	---	---	---	---	---
30	1,360	1,320	1,200	1,150	---	---	---	---	---	---	---	---
31	1,340	---	1,170	1,060	---	---	---	---	---	---	---	---
Mean	1,250	1,290	1,210	1,180	1,260	---	---	---	---	---	---	---
Max	1,430	1,370	1,280	1,260	1,360	---	---	---	---	---	---	---
Min	901	1,100	1,160	952	1,050	---	---	---	---	---	---	---

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	26.9	23.0	20.3	18.8	15.7	17.8	---	---	---	---	---	---
2	26.3	22.7	20.2	16.7	15.6	18.5	21.6	---	---	---	---	---
3	26.0	21.9	20.7	13.8	16.0	19.2	22.4	---	---	---	---	---
4	26.6	21.6	19.6	12.6	16.6	19.7	22.9	---	---	---	---	---
5	27.1	21.3	19.1	12.2	17.6	19.7	23.8	---	---	---	---	---
6	27.3	21.1	18.9	13.2	18.6	19.4	23.4	---	---	---	---	---
7	27.4	20.4	18.8	15.0	19.0	19.4	23.1	---	---	---	---	---
8	27.4	19.2	19.0	16.0	18.9	18.8	22.6	---	---	---	---	---
9	27.2	18.7	19.5	15.7	18.8	17.8	22.4	---	---	---	---	---
10	27.2	18.8	19.9	15.8	18.7	17.8	22.7	---	---	---	---	---
11	27.2	18.7	20.2	16.5	18.5	18.4	23.2	---	---	---	---	---
12	26.6	18.6	20.2	17.0	18.6	19.0	23.6	---	---	---	---	---
13	26.3	18.7	20.1	17.2	19.0	19.1	23.7	---	---	---	---	---
14	26.5	19.0	20.4	16.7	17.5	19.2	22.3	---	---	---	---	---
15	26.4	19.2	21.1	15.7	17.3	19.4	21.0	---	---	---	---	---
16	26.3	18.3	21.1	15.2	17.8	20.6	20.1	---	---	---	---	---
17	26.2	17.7	18.9	15.7	18.4	20.6	---	---	---	---	---	---
18	26.3	18.2	17.4	16.0	19.3	20.6	---	---	---	---	---	---
19	26.6	18.8	17.0	15.7	19.1	20.8	---	---	---	---	---	---
20	26.2	19.0	17.1	15.0	18.5	21.2	---	---	---	---	---	---
21	26.1	19.0	17.9	14.1	18.5	21.3	---	---	---	---	---	---
22	26.1	19.1	17.3	14.0	19.1	21.1	---	---	---	---	---	---
23	26.6	19.0	17.3	14.5	19.7	21.3	---	---	---	---	---	---
24	26.6	18.7	17.4	14.8	20.3	---	---	---	---	---	---	---
25	25.6	19.2	17.4	14.6	20.3	---	---	---	---	---	---	---
26	25.1	19.6	17.2	14.2	20.7	---	---	---	---	---	---	---
27	24.6	19.9	16.9	14.3	19.7	---	---	---	---	---	---	---
28	24.1	19.8	17.4	14.1	17.7	---	---	---	---	---	---	---
29	23.2	20.2	18.2	14.6	17.4	---	---	---	---	---	---	---
30	22.8	20.5	19.0	15.2	---	---	---	---	---	---	---	---
31	22.7	---	19.1	15.5	---	---	---	---	---	---	---	---
Mean	26.0	19.7	18.9	15.2	18.4	---	---	---	---	---	---	---
Max	27.4	23.0	21.1	18.8	20.7	---	---	---	---	---	---	---
Min	22.7	17.7	16.9	12.2	15.6	---	---	---	---	---	---	---

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DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.4	7.6	6.3	7.3	9.3	9.2	---	---	---	---	---	---
2	6.5	7.6	6.6	8.4	9.5	9.4	8.5	---	---	---	---	---
3	5.9	7.6	6.6	9.5	9.4	9.6	8.5	---	---	---	---	---
4	5.7	7.5	6.9	9.9	9.4	9.2	8.2	---	---	---	---	---
5	5.4	6.4	6.6	10.1	9.2	9.1	8.3	---	---	---	---	---
6	4.9	5.1	6.7	9.5	9.1	9.4	8.0	---	---	---	---	---
7	4.6	6.3	7.1	8.7	8.8	9.1	8.0	---	---	---	---	---
8	4.5	7.2	7.5	8.5	8.9	8.9	8.0	---	---	---	---	---
9	3.8	7.2	7.5	9.0	9.1	9.0	8.1	---	---	---	---	---
10	3.2	6.2	7.4	9.3	9.2	9.4	8.4	---	---	---	---	---
11	3.0	6.4	7.4	9.3	9.5	9.5	8.5	---	---	---	---	---
12	3.9	7.0	7.1	9.2	9.4	9.6	8.6	---	---	---	---	---
13	4.5	7.0	6.8	8.9	9.0	9.8	8.4	---	---	---	---	---
14	5.0	6.8	7.0	9.0	9.2	9.1	8.4	---	---	---	---	---
15	5.1	7.0	7.0	9.2	9.0	8.7	8.4	---	---	---	---	---
16	5.2	7.9	7.7	9.4	8.9	8.8	8.6	---	---	---	---	---
17	4.8	7.8	8.4	9.5	9.0	8.9	---	---	---	---	---	---
18	4.4	7.5	8.6	9.5	8.9	8.5	---	---	---	---	---	---
19	4.6	7.5	8.5	9.4	8.9	8.5	---	---	---	---	---	---
20	4.7	7.5	8.5	9.4	9.0	8.8	---	---	---	---	---	---
21	4.4	7.4	8.2	9.7	8.7	9.0	---	---	---	---	---	---
22	4.5	7.3	8.4	10.0	8.7	8.8	---	---	---	---	---	---
23	4.8	7.2	8.2	9.9	8.8	8.6	---	---	---	---	---	---
24	5.1	7.7	8.3	9.7	8.9	8.5	---	---	---	---	---	---
25	4.8	7.9	8.2	9.7	9.1	---	---	---	---	---	---	---
26	4.7	7.8	8.2	9.8	9.1	---	---	---	---	---	---	---
27	5.0	7.5	8.3	9.8	8.8	---	---	---	---	---	---	---
28	5.8	6.5	8.3	10.1	9.5	---	---	---	---	---	---	---
29	7.0	6.0	8.2	9.6	9.6	---	---	---	---	---	---	---
30	7.4	6.0	7.9	9.1	---	---	---	---	---	---	---	---
31	7.6	---	7.3	9.2	---	---	---	---	---	---	---	---
Mean	5.1	7.1	7.6	9.3	9.1	---	---	---	---	---	---	---
Max	7.6	7.9	8.6	10.1	9.6	---	---	---	---	---	---	---
Min	3.0	5.1	6.3	7.3	8.7	---	---	---	---	---	---	---

294130081382000 ST. JOHNS RIVER AT DANCY POINT NEAR PALATKA, FL—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS (FNU)
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.4	---	7.9	3.4	4.2	2.5	3.1	---	---	---	---	---
2	5.7	---	8.1	5.7	4.0	2.8	3.5	---	---	---	---	---
3	3.5	---	3.1	---	4.5	2.3	4.0	---	---	---	---	---
4	4.5	---	3.2	---	4.5	4.9	3.4	---	---	---	---	---
5	3.9	---	3.9	---	4.9	4.0	6.1	---	---	---	---	---
6	3.4	---	3.4	---	4.3	2.5	4.1	---	---	---	---	---
7	3.8	2.7	2.0	---	2.8	6.2	4.2	---	---	---	---	---
8	4.5	2.8	1.9	2.6	2.3	21	7.1	---	---	---	---	---
9	---	4.5	2.3	2.7	2.7	5.4	5.2	---	---	---	---	---
10	---	5.9	2.4	2.1	2.6	4.2	4.1	---	---	---	---	---
11	1.7	2.9	2.3	2.5	2.8	3.6	3.2	---	---	---	---	---
12	2.4	2.3	2.4	2.2	3.1	3.1	4.0	---	---	---	---	---
13	2.1	3.5	2.5	1.7	5.4	3.1	4.3	---	---	---	---	---
14	2.3	4.4	1.8	1.8	3.7	5.9	4.4	---	---	---	---	---
15	2.2	5.4	3.7	1.9	3.8	9.4	3.9	---	---	---	---	---
16	2.1	2.7	5.6	2.5	3.8	6.1	4.4	---	---	---	---	---
17	1.8	2.5	3.3	5.5	4.2	3.9	3.0	---	---	---	---	---
18	2.2	2.4	2.5	2.8	6.2	4.4	---	---	---	---	---	---
19	3.3	2.3	2.5	2.7	5.7	8.9	---	---	---	---	---	---
20	2.8	2.2	2.6	3.8	3.6	3.8	---	---	---	---	---	---
21	3.3	2.6	9.1	3.1	3.1	2.5	---	---	---	---	---	---
22	---	3.3	4.5	2.5	3.1	2.4	---	---	---	---	---	---
23	---	2.4	4.1	3.0	6.8	2.6	---	---	---	---	---	---
24	---	2.4	3.4	3.3	3.1	4.1	---	---	---	---	---	---
25	---	3.4	2.9	3.2	3.6	---	---	---	---	---	---	---
26	---	3.3	2.9	3.0	7.7	---	---	---	---	---	---	---
27	---	5.5	2.8	2.9	5.6	---	---	---	---	---	---	---
28	---	4.4	2.7	2.8	3.1	---	---	---	---	---	---	---
29	---	3.8	2.4	3.5	2.9	---	---	---	---	---	---	---
30	---	5.5	3.0	4.4	---	---	---	---	---	---	---	---
31	---	---	2.8	5.4	---	---	---	---	---	---	---	---
Mean	---	---	3.5	---	4.1	---	---	---	---	---	---	---
Max	---	---	9.1	---	7.7	---	---	---	---	---	---	---
Min	---	---	1.8	---	2.3	---	---	---	---	---	---	---