



Water-Data Report 2010

02322695 MILL POND SPRING NEAR HILDRETH, FL

Suwannee Basin
Santa Fe Subbasin

LOCATION.--Lat 29°57'59", long 82°45'36" referenced to North American Datum of 1983, Columbia County, FL, Hydrologic Unit 03110206, on left bank in the Ichetucknee Springs State Park, about 600 ft upstream from east bank of the Ichetucknee River, 1.2 mi downstream from Ichetucknee Head Spring, 2.1 mi upstream from bridge on U.S. Highway 27, and 3.0 mi northeast of Hildreth.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1946, 1975 (miscellaneous discharge measurement), February 2002 to April 2010 (Discontinued).

GAGE.--Water-stage recorder. Datum of gage is 18.76 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U. S. Highway 27, 2.1 mi downstream from base gage at National Geodetic Vertical Datum of 1929.

REMARKS.--Gage-height records good; discharge records poor due to presence of submerged aquatic vegetation in discharge measurement section.

02322695 MILL POND SPRING NEAR HILDRETH, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20	21	21	18	15	24	21	---	---	---	---	---
2	19	21	21	18	18	24	21	---	---	---	---	---
3	19	21	20	18	18	23	21	---	---	---	---	---
4	20	20	20	18	20	22	22	---	---	---	---	---
5	21	19	21	18	21	21	21	---	---	---	---	---
6	24	20	21	18	e20	21	21	---	---	---	---	---
7	21	21	21	18	19	21	21	---	---	---	---	---
8	21	21	21	18	17	21	20	---	---	---	---	---
9	21	21	21	18	20	21	20	---	---	---	---	---
10	21	22	19	18	18	21	20	---	---	---	---	---
11	21	22	19	18	19	22	19	---	---	---	---	---
12	21	20	21	18	20	23	19	---	---	---	---	---
13	21	21	21	18	17	24	19	---	---	---	---	---
14	21	21	20	18	16	25	19	---	---	---	---	---
15	22	21	19	18	16	25	19	---	---	---	---	---
16	22	21	18	18	15	25	19	---	---	---	---	---
17	22	21	18	18	16	25	19	---	---	---	---	---
18	21	21	19	18	17	23	18	---	---	---	---	---
19	22	21	19	18	17	22	18	---	---	---	---	---
20	23	21	19	18	17	22	18	---	---	---	---	---
21	23	22	19	19	e18	24	---	---	---	---	---	---
22	21	22	19	18	e20	22	---	---	---	---	---	---
23	20	22	19	18	e21	24	---	---	---	---	---	---
24	20	21	19	18	e22	23	---	---	---	---	---	---
25	19	22	18	18	e23	25	---	---	---	---	---	---
26	21	22	18	18	e24	24	---	---	---	---	---	---
27	22	21	18	18	e24	24	---	---	---	---	---	---
28	23	21	18	17	e24	24	---	---	---	---	---	---
29	23	22	18	16	---	24	---	---	---	---	---	---
30	23	21	18	16	---	23	---	---	---	---	---	---
31	23	---	19	15	---	23	---	---	---	---	---	---
Total	661	633	602	551	532	715	---	---	---	---	---	---
Mean	21.3	21.1	19.4	17.8	19.0	23.1	---	---	---	---	---	---
Max	24	22	21	19	24	25	---	---	---	---	---	---
Min	19	19	18	15	15	21	---	---	---	---	---	---
Med	21	21	19	18	18	23	---	---	---	---	---	---
Ac-ft	1,310	1,260	1,190	1,090	1,060	1,420	---	---	---	---	---	---

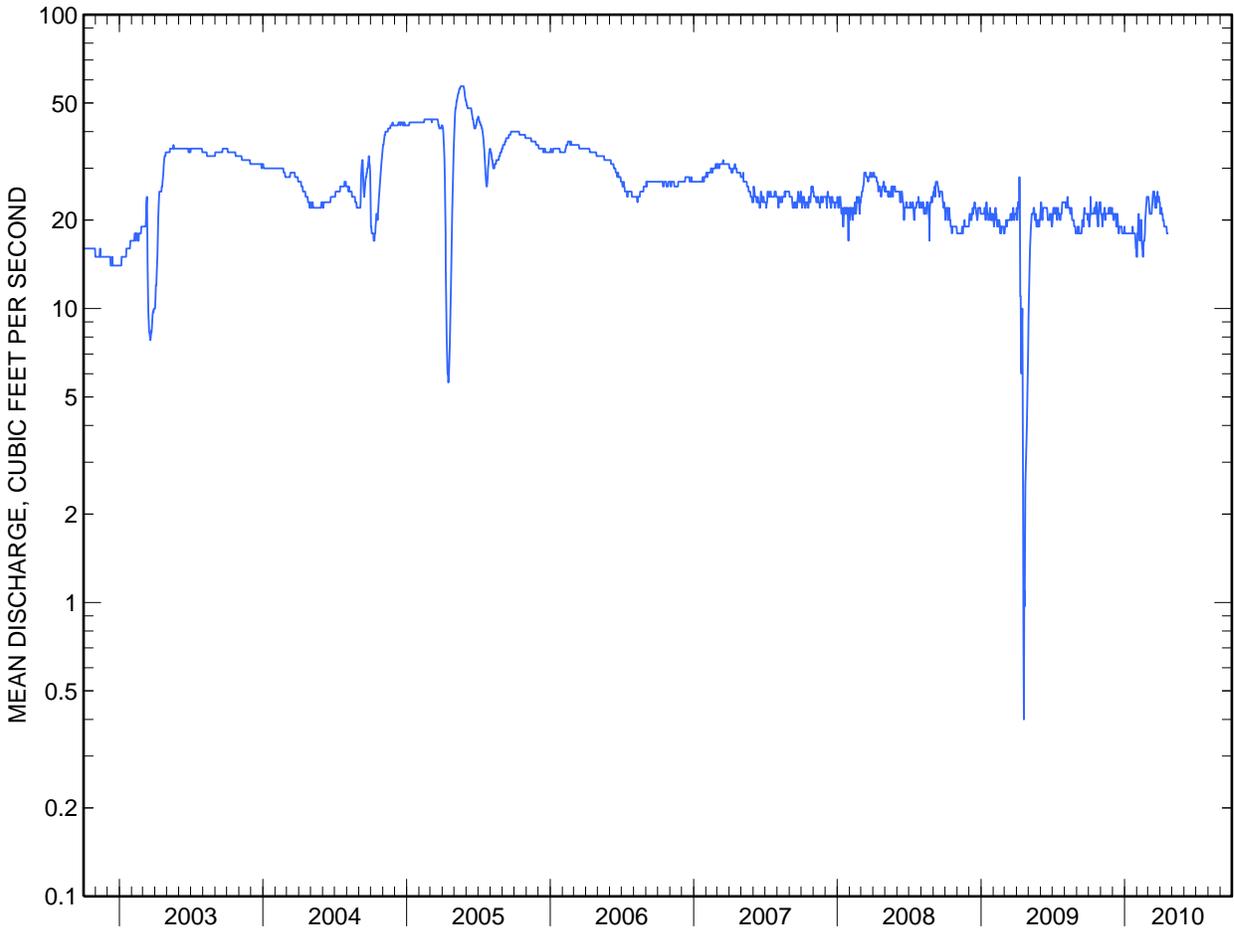
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	25.4	26.8	26.7	26.3	27.1	26.6	23.2	28.4	27.0	25.7	24.7	26.4
Max	39.3	40.5	42.4	42.8	43.5	43.1	34.2	53.0	45.4	35.9	33.3	38.2
(WY)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2006)	(2005)	(2005)	(2005)	(2003)	(2005)
Min	16.0	15.0	14.3	15.4	17.8	13.4	10.0	14.8	15.0	15.8	15.8	16.0
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2009)	(2002)	(2002)	(2002)	(2002)	(2002)

02322695 MILL POND SPRING NEAR HILDRETH, FL—Continued

SUMMARY STATISTICS

	Calendar Year 2009		Water Years 2002 - 2010	
Annual total	7,148.38			
Annual mean	19.6		27.5	
Highest annual mean			38.3	2005
Lowest annual mean			19.4	2009
Highest daily mean	28	Apr 8	57	May 17, 2005
Lowest daily mean	0.40	Apr 19	0.40	Apr 19, 2009
Annual seven-day minimum	1.4	Apr 17	1.4	Apr 17, 2009
Maximum peak flow			58	May 17, 2005
Maximum peak stage			8.11	Apr 17, 2009
Instantaneous low flow			0.00	Apr 10, 2009
Annual runoff (ac-ft)	14,180		19,900	
10 percent exceeds	22		39	
50 percent exceeds	21		26	
90 percent exceeds	18		18	



02322695 MILL POND SPRING NEAR HILDRETH, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.11	1.09	1.09	1.09	1.15	1.43	1.18	---	---	---	---	---
2	1.10	1.09	1.09	1.10	1.23	1.40	1.18	---	---	---	---	---
3	1.10	1.10	1.08	1.07	1.28	1.34	1.18	---	---	---	---	---
4	1.10	1.08	1.09	1.08	1.36	1.29	1.19	---	---	---	---	---
5	1.12	1.08	1.10	1.07	1.44	1.25	1.18	---	---	---	---	---
6	1.17	1.08	1.10	1.06	---	1.23	1.18	---	---	---	---	---
7	1.12	1.09	1.10	1.05	1.42	1.23	1.18	---	---	---	---	---
8	1.12	1.09	1.10	1.06	1.37	1.22	1.17	---	---	---	---	---
9	1.12	1.09	1.10	1.04	1.48	1.20	1.17	---	---	---	---	---
10	1.12	1.10	1.08	1.05	1.45	1.20	1.16	---	---	---	---	---
11	1.12	1.11	1.08	1.05	1.49	1.21	1.16	---	---	---	---	---
12	1.12	1.08	1.10	1.06	1.59	1.23	1.15	---	---	---	---	---
13	1.12	1.09	1.11	1.06	1.56	1.25	1.16	---	---	---	---	---
14	1.12	1.09	1.10	1.06	1.56	1.25	1.16	---	---	---	---	---
15	1.12	1.09	1.10	1.07	1.62	1.26	1.15	---	---	---	---	---
16	1.13	1.09	1.08	1.11	1.71	1.26	1.15	---	---	---	---	---
17	1.13	1.09	1.07	1.10	1.79	1.27	1.15	---	---	---	---	---
18	1.11	1.09	1.09	1.05	1.88	1.23	1.13	---	---	---	---	---
19	1.12	1.08	1.08	1.06	1.90	1.22	1.13	---	---	---	---	---
20	1.14	1.08	1.08	1.10	1.92	1.21	1.13	---	---	---	---	---
21	1.13	1.09	1.09	1.13	---	1.25	---	---	---	---	---	---
22	1.11	1.09	1.10	1.11	---	1.23	---	---	---	---	---	---
23	1.10	1.09	1.10	1.10	---	1.26	---	---	---	---	---	---
24	1.09	1.08	1.10	1.10	---	1.24	---	---	---	---	---	---
25	1.08	1.09	1.08	1.10	---	1.26	---	---	---	---	---	---
26	1.11	1.09	1.08	1.07	---	1.24	---	---	---	---	---	---
27	1.12	1.09	1.09	1.07	---	1.24	---	---	---	---	---	---
28	1.13	1.09	1.09	1.07	---	1.23	---	---	---	---	---	---
29	1.14	1.10	1.10	1.08	---	1.23	---	---	---	---	---	---
30	1.14	1.09	1.10	1.12	---	1.20	---	---	---	---	---	---
31	1.12	---	1.10	1.12	---	1.20	---	---	---	---	---	---
Total	34.68	32.68	33.85	33.46	---	38.76	---	---	---	---	---	---
Mean	1.12	1.09	1.09	1.08	---	1.25	---	---	---	---	---	---
Max	1.17	1.11	1.11	1.13	---	1.43	---	---	---	---	---	---
Min	1.08	1.08	1.07	1.04	---	1.20	---	---	---	---	---	---
Med	1.12	1.09	1.09	1.07	---	1.24	---	---	---	---	---	---

02322695 MILL POND SPRING NEAR HILDRETH, FL—Continued

