

Water-Data Report 2010

02322685 ICHETUCKNEE HEAD SPRING NEAR HILDRETH, FL

Suwannee Basin
Santa Fe Subbasin

LOCATION.--Lat 29°59'02", long 82°45'43" referenced to North American Datum of 1983, Columbia County, FL, Hydrologic Unit 03110206, in NE ¼ sec. 12, T. 6. S., R.15. E., on the north bank at head of Ichetucknee River in Ichetucknee Springs State Park, 3.3 mi upstream from bridge on U.S. Highway 27, 3.4 mi northeast of Hildreth, and 5.0 mi northwest of Fort White.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 2002 to June 2010 (Discontinued).

GAGE.--Water-stage recorder. Datum of gage is 21.76 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 27, 3.3 mi downstream from base gage at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Gage-height records good; discharge records poor due to presence of submerged aquatic vegetation in discharge measurement section.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	50	49	47	47	47	52	55	59	60	---	---	---
2	50	49	47	47	47	52	55	58	60	---	---	---
3	50	49	47	46	46	53	56	59	60	---	---	---
4	50	49	47	47	46	53	56	59	60	---	---	---
5	50	49	47	47	46	53	56	59	60	---	---	---
6	51	49	47	47	46	54	56	60	60	---	---	---
7	51	49	47	47	46	54	56	60	60	---	---	---
8	51	49	47	47	46	55	56	60	59	---	---	---
9	51	48	47	47	47	55	56	60	---	---	---	---
10	50	48	47	47	46	55	56	60	---	---	---	---
11	50	49	46	47	46	56	56	60	---	---	---	---
12	50	48	47	47	46	56	56	60	---	---	---	---
13	50	48	47	47	46	56	56	60	---	---	---	---
14	50	48	46	47	46	56	56	60	---	---	---	---
15	50	48	46	47	46	55	56	60	---	---	---	---
16	50	48	46	47	45	55	56	60	---	---	---	---
17	50	48	46	48	45	55	56	60	---	---	---	---
18	50	48	46	48	45	55	57	60	---	---	---	---
19	50	48	46	48	45	55	57	60	---	---	---	---
20	50	48	46	48	45	55	57	60	---	---	---	---
21	50	48	46	50	46	55	57	60	---	---	---	---
22	49	48	46	50	46	54	57	60	---	---	---	---
23	49	48	46	50	47	54	57	60	---	---	---	---
24	50	48	46	51	48	55	57	60	---	---	---	---
25	49	47	46	51	49	55	57	60	---	---	---	---
26	49	47	46	50	49	55	57	60	---	---	---	---
27	49	47	46	50	50	55	57	60	---	---	---	---
28	49	47	46	50	51	55	57	60	---	---	---	---
29	49	47	46	49	---	55	57	60	---	---	---	---
30	49	47	46	49	---	55	58	60	---	---	---	---
31	49	---	47	48	---	55	---	60	---	---	---	---
Total	1,545	1,443	1,439	1,491	1,304	1,693	1,692	1,854	---	---	---	---
Mean	49.8	48.1	46.4	48.1	46.6	54.6	56.4	59.8	---	---	---	---
Max	51	49	47	51	51	56	58	60	---	---	---	---
Min	49	47	46	46	45	52	55	58	---	---	---	---
Med	50	48	46	47	46	55	56	60	---	---	---	---
Ac-ft	3,060	2,860	2,850	2,960	2,590	3,360	3,360	3,680	---	---	---	---

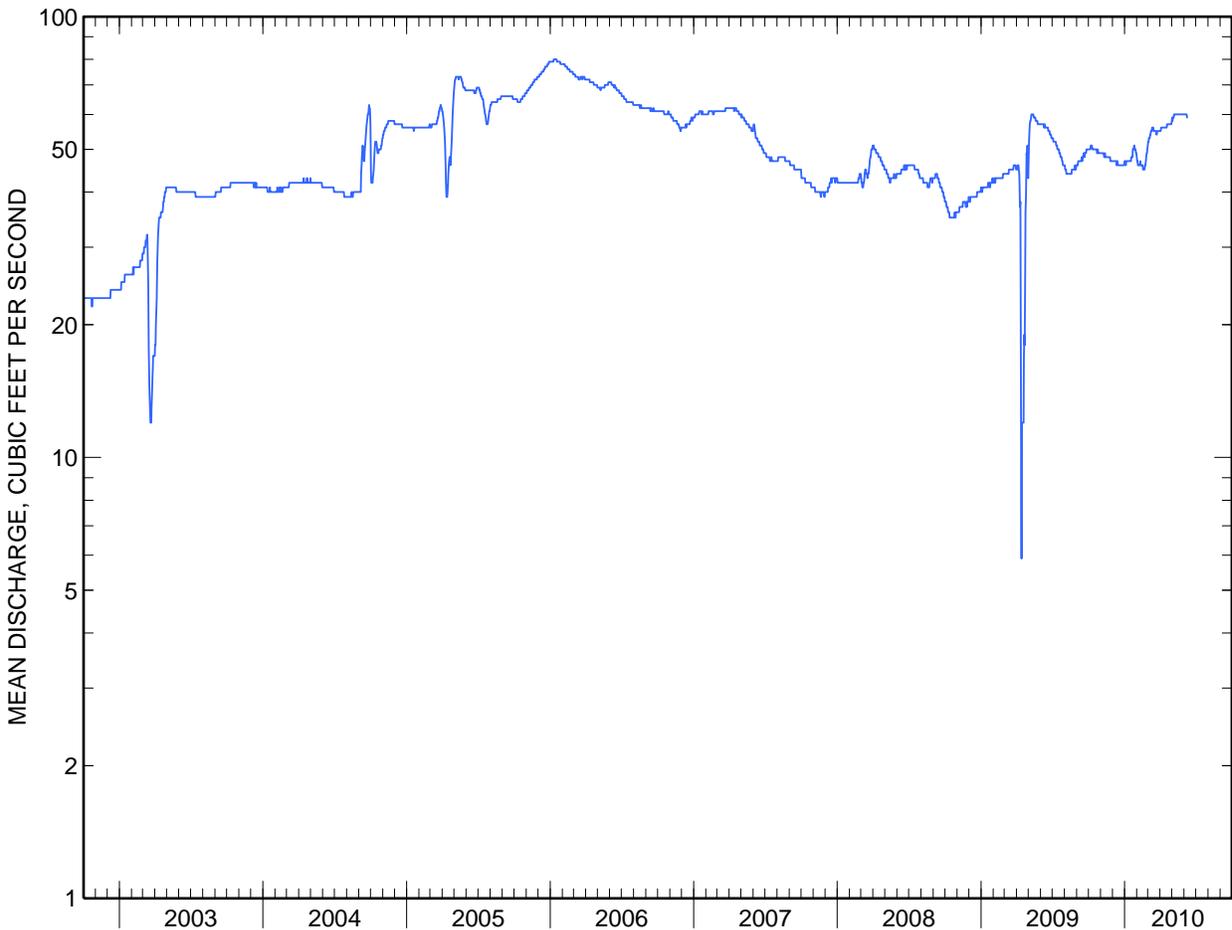
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	45.9	46.9	47.8	49.1	49.0	47.0	46.5	51.5	49.0	46.3	45.2	47.1
Max	65.2	70.3	76.0	79.1	76.2	72.8	71.0	71.3	68.9	64.5	64.5	65.9
(WY)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2005)	(2006)	(2006)	(2005)	(2005)
Min	22.9	23.0	23.7	25.5	27.1	21.5	22.8	22.3	21.7	21.8	22.0	22.4
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Years 2002 - 2010	
Annual total	17,087.3			
Annual mean	46.8		49.4	
Highest annual mean			69.8	2006
Lowest annual mean			31.4	2003
Highest daily mean	60	May 8	80	Jan 9, 2006
Lowest daily mean	5.9	Apr 13	5.9	Apr 13, 2009
Annual seven-day minimum	11	Apr 12	11	Apr 12, 2009
Maximum peak flow			80	Jan 9, 2006
Maximum peak stage			5.08	Apr 17, 2005
Instantaneous low flow			2.2	Apr 13, 2009
Annual runoff (ac-ft)	33,890		35,800	
10 percent exceeds	57		69	
50 percent exceeds	47		46	
90 percent exceeds	42		37	



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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	0.77	0.79	0.80	0.83	0.97	1.14	1.24	1.36	1.42	---	---	---
2	0.77	0.79	0.81	0.83	0.98	1.15	1.25	1.36	1.42	---	---	---
3	0.77	0.79	0.81	0.83	0.98	1.15	1.25	1.36	1.41	---	---	---
4	0.77	0.79	0.81	0.83	0.99	1.15	1.25	1.38	1.41	---	---	---
5	0.78	0.79	0.82	0.82	1.01	1.15	1.25	1.40	1.41	---	---	---
6	0.78	0.79	0.81	0.82	1.01	1.14	1.26	1.40	1.41	---	---	---
7	0.78	0.79	0.81	0.82	1.02	1.15	1.26	1.40	1.40	---	---	---
8	0.78	0.79	0.81	0.82	1.03	1.15	1.26	1.41	1.39	---	---	---
9	0.78	0.79	0.82	0.81	1.04	1.15	1.26	1.41	---	---	---	---
10	0.78	0.80	0.82	0.81	1.04	1.16	1.26	1.40	---	---	---	---
11	0.78	0.80	0.81	0.81	1.04	1.17	1.26	1.41	---	---	---	---
12	0.78	0.80	0.82	0.81	1.06	1.17	1.27	1.41	---	---	---	---
13	0.78	0.80	0.82	0.81	1.06	1.17	1.27	1.41	---	---	---	---
14	0.78	0.80	0.82	0.81	1.06	1.18	1.28	1.41	---	---	---	---
15	0.79	0.80	0.82	0.81	1.08	1.18	1.28	1.41	---	---	---	---
16	0.79	0.79	0.82	0.82	1.08	1.18	1.28	1.41	---	---	---	---
17	0.78	0.80	0.82	0.83	1.09	1.19	1.29	1.42	---	---	---	---
18	0.78	0.80	0.83	0.83	1.10	1.19	1.29	1.42	---	---	---	---
19	0.78	0.80	0.83	0.83	1.11	1.20	1.29	1.42	---	---	---	---
20	0.78	0.80	0.83	0.84	1.11	1.20	1.30	1.41	---	---	---	---
21	0.78	0.80	0.83	0.90	1.12	1.21	1.30	1.42	---	---	---	---
22	0.78	0.80	0.83	0.91	1.13	1.21	1.31	1.43	---	---	---	---
23	0.78	0.80	0.82	0.92	1.14	1.21	1.31	1.43	---	---	---	---
24	0.78	0.80	0.83	0.93	1.14	1.21	1.31	1.43	---	---	---	---
25	0.78	0.81	0.83	0.93	1.13	1.22	1.32	1.43	---	---	---	---
26	0.78	0.80	0.83	0.93	1.14	1.23	1.32	1.43	---	---	---	---
27	0.79	0.80	0.83	0.93	1.14	1.23	1.32	1.43	---	---	---	---
28	0.79	0.80	0.83	0.94	1.14	1.23	1.32	1.43	---	---	---	---
29	0.79	0.80	0.82	0.95	---	1.24	1.31	1.43	---	---	---	---
30	0.79	0.80	0.82	0.96	---	1.24	1.33	1.42	---	---	---	---
31	0.79	---	0.83	0.96	---	1.24	---	1.42	---	---	---	---
Total	24.21	23.91	25.44	26.68	29.94	36.79	38.50	43.71	---	---	---	---
Mean	0.78	0.80	0.82	0.86	1.07	1.19	1.28	1.41	---	---	---	---
Max	0.79	0.81	0.83	0.96	1.14	1.24	1.33	1.43	---	---	---	---
Min	0.77	0.79	0.80	0.81	0.97	1.14	1.24	1.36	---	---	---	---
Med	0.78	0.80	0.82	0.83	1.07	1.18	1.28	1.41	---	---	---	---

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