Water-Data Report 2013

02322700 ICHETUCKNEE RIVER AT HIGHWAY 27 NEAR HILDRETH, FL

Suwannee Basin
Santa Fe Subbasin

LOCATION.--Lat 29°57′09″, long 82°47′10″ referenced to North American Datum of 1927, in SE ¼ NE ¼ NE ¼ sec.12, T.6 S., R.15 E., Columbia County, FL, Hydrologic Unit 03110206, on the downstream side of bridge on U.S. Highway 27, 1.0 mi east of Hildreth, 1.5 mi upstream from mouth, and 3.0 mi downstream from Ichetucknee Head Spring.

DRAINAGE AREA.--213 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1917, 1989, 1991 (miscellaneous discharge measurements), October 1929 to September 1983 and October 1995 to September 1998 (discharge measurements), February 2002 to current year. Published as Ichetucknee Springs near Hildreth, 1989, October 1995 to September 1996, 1998.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 129, 7.0 mi below base gage, at datum 3.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage-height records fair, discharge records poor due to presence of submerged aquatic vegetation in discharge measurement section and backwater conditions from the Santa Fe and Suwannee Rivers.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 34.05 ft, Apr. 12, 1948.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02322700, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02322700.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	371	356	346	339	313	325	288	267	310	309	468	e407
2	370	356	346	339	312	309	284	267	311	306	466	e415
3	369	354	345	338	312	264	288	277	310	304	468	e426
4	367	354	344	336	310	223	294	268	309	307	470	451
5	367	354	344	335	314	263	295	266	310	307	467	488
6	367	354	344	337	313	271	297	265	320	309	460	493
7	365	353	344	336	310	247	293	318	312	317	456	471
8	367	352	344	336	308	243	291	333	311	324	437	469
9	365	351	344	334	308	249	291	295	309	334	428	467
10	364	351	343	334	308	256	291	302	310	341	422	471
11	364	351	343	333	309	248	293	306	310	345	417	470
12	364	351	344	333	309	265	296	305	310	352	411	473
13	364	351	342	331	310	280	289	301	310	344	403	477
14	363	354	341	331	309	287	291	298	310	348	396	477
15	363	354	341	330	308	290	284	296	311	354	391	474
16	363	354	341	329	308	304	281	295	312	357	384	468
17	362	354	342	328	306	305	e280	296	312	e340	379	463
18	362	354	340	326	306	316	e279	298	311	e342	372	459
19	362	354	339	326	306	319	e279	298	311	e346	367	456
20	361	353	340	326	305	311	e280	301	310	e350	364	450
21	360	350	340	325	305	308	e282	305	310	e360	365	444
22	359	350	339	324	308	309	284	310	308	e371	368	441
23	359	349	338	323	309	306	276	313	305	388	374	437
24	359	349	339	322	314	305	277	316	303	412	376	431
25	359	349	339	321	317	295	279	319	303	429	375	428
26	359	348	340	320	323	288	280	317	303	441	375	425
27	357	348	338	319	324	281	278	314	301	448	382	421
28	357	348	338	317	328	276	277	312	302	449	392	415
29	356	347	339	316	---	274	275	312	301	454	403	409
30	356	346	338	315	---	280	270	311	305	454	417	405
31	356	---	338	314	---	284	---	310	---	465	397	---
Total	11,237	10,549	10,583	10,173	8,712	8,781	8,542	9,291	9,260	11,307	12,650	13,481
Mean	362	352	341	328	311	283	285	300	309	365	408	449
Max	371	356	346	339	328	325	297	333	320	465	470	493
Min	356	346	338	314	305	223	270	265	301	304	364	405
Med	363	352	341	329	309	284	284	302	310	348	397	454
Ac-ft	22,290	20,920	20,990	20,180	17,280	17,420	16,940	18,430	18,370	22,430	25,090	26,740
Cfsm	1.70	1.65	1.60	1.54	1.46	1.33	1.34	1.41	1.45	1.71	1.92	2.11
In.	1.96	1.84	1.85	1.78	1.52	1.53	1.49	1.62	1.62	1.97	2.21	2.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	285	287	296	300	292	288	271	304	302	316	316	321
Max	438	402	444	448	419	417	387	517	490	499	517	506
(WY)	(2006)	(2006)	(2005)	(2005)	(2006)	(2006)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	188	186	191	204	191	194	164	186	201	206	207	202
(WY)	(2003)	(2003)	(2003)	(2012)	(2012)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)

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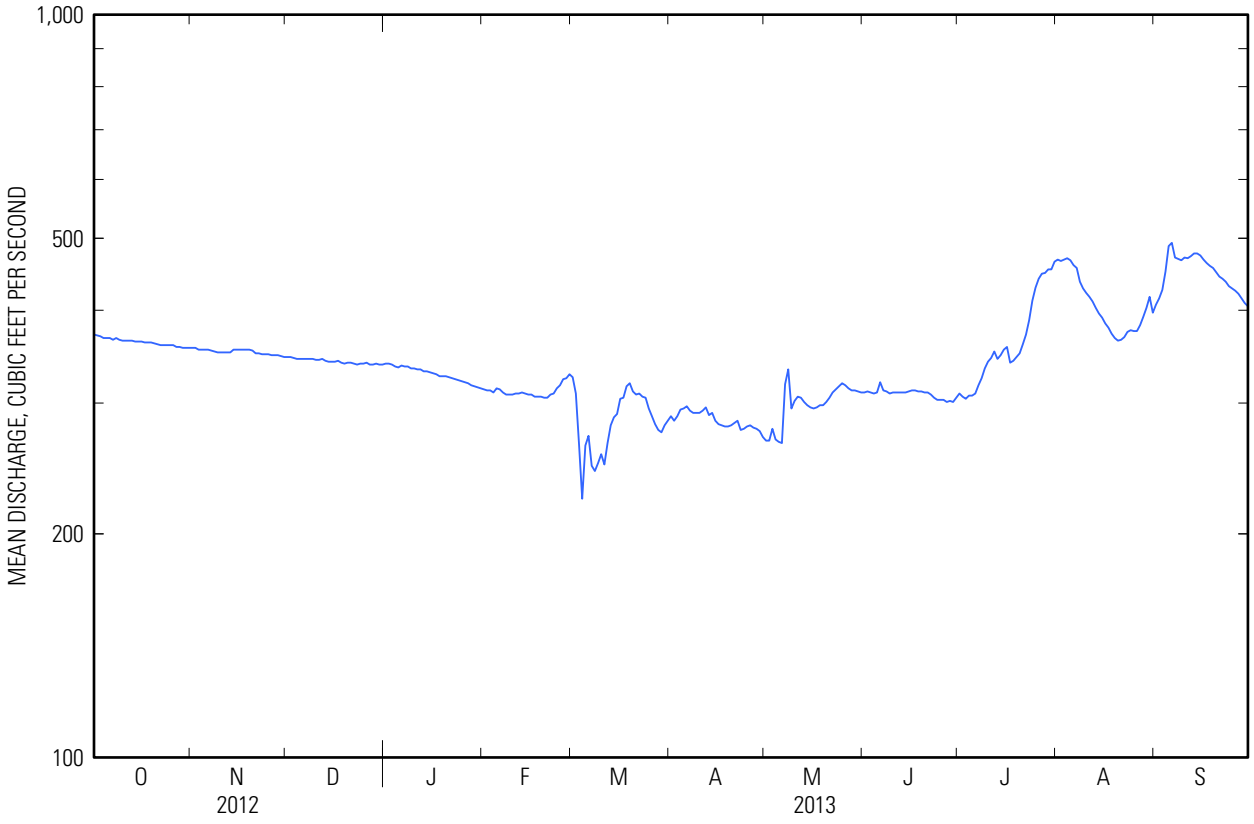
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2002 - 2013	
Annual total	103,731		124,566			
Annual mean	283		341		304	
Highest annual mean					417	2005
Lowest annual mean					253	2009
Highest daily mean	703	Jun 30	493	Sep 6	703	Jun 30, 2012
Lowest daily mean	188	Mar 5-7	223	Mar 4	124	Apr 1, 2003
Annual seven-day minimum	189	Mar 1	250	Mar 4	132	Mar 28, 2003
Maximum peak flow			528	Aug 1	715	Jun 30, 2012
Maximum peak stage			21.51	Mar 11	26.78	Apr 17, 2009
Annual runoff (ac-ft)	205,800		247,100		220,200	
Annual runoff (cfsm)	1.33		1.60		1.43	
Annual runoff (inches)	18.12		21.76		19.39	
10 percent exceeds	375		428		415	
50 percent exceeds	296		335		290	
90 percent exceeds	193		284		210	



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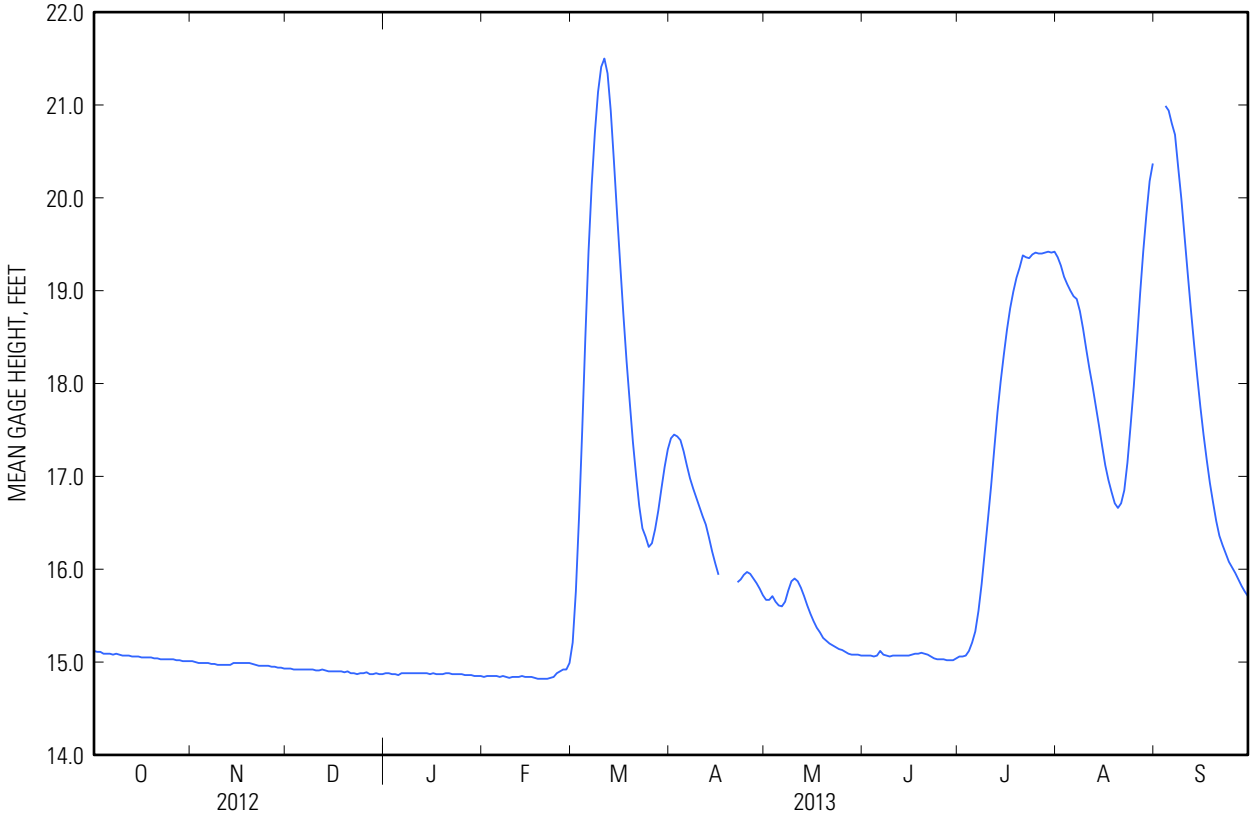
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15.12	15.01	14.93	14.88	14.84	15.21	17.41	15.67	15.07	15.06	19.36	---
2	15.11	15.00	14.93	14.88	14.85	15.76	17.45	15.67	15.07	15.06	19.27	---
3	15.11	14.99	14.92	14.87	14.85	16.56	17.43	15.71	15.07	15.07	19.15	---
4	15.09	14.99	14.92	14.87	14.85	17.49	17.39	15.65	15.06	15.12	19.07	20.99
5	15.09	14.99	14.92	14.86	14.85	18.50	17.27	15.61	15.07	15.21	19.00	20.94
6	15.09	14.99	14.92	14.88	14.84	19.42	17.12	15.60	15.12	15.33	18.94	20.80
7	15.08	14.98	14.92	14.88	14.85	20.14	16.98	15.65	15.08	15.55	18.91	20.68
8	15.09	14.98	14.92	14.88	14.84	20.70	16.87	15.77	15.07	15.84	18.78	20.33
9	15.08	14.97	14.92	14.88	14.83	21.14	16.77	15.87	15.06	16.19	18.59	19.99
10	15.07	14.97	14.91	14.88	14.84	21.41	16.67	15.90	15.07	16.54	18.37	19.59
11	15.07	14.97	14.91	14.88	14.84	21.50	16.57	15.87	15.07	16.90	18.16	19.19
12	15.07	14.97	14.92	14.88	14.84	21.34	16.48	15.80	15.07	17.30	17.97	18.80
13	15.06	14.97	14.91	14.88	14.85	20.94	16.34	15.71	15.07	17.69	17.76	18.43
14	15.06	14.99	14.90	14.88	14.84	20.40	16.19	15.61	15.07	18.02	17.55	18.08
15	15.06	14.99	14.90	14.87	14.84	19.83	16.06	15.52	15.07	18.31	17.33	17.75
16	15.05	14.99	14.90	14.88	14.84	19.28	15.94	15.44	15.08	18.58	17.12	17.45
17	15.05	14.99	14.90	14.87	14.83	18.74	---	15.37	15.09	18.81	16.96	17.18
18	15.05	14.99	14.90	14.87	14.82	18.24	---	15.32	15.09	18.99	16.83	16.93
19	15.05	14.99	14.89	14.87	14.82	17.80	---	15.26	15.10	19.14	16.71	16.72
20	15.04	14.98	14.90	14.88	14.82	17.37	---	15.23	15.09	19.25	16.66	16.52
21	15.04	14.97	14.88	14.88	14.82	17.01	---	15.20	15.08	19.38	16.71	16.36
22	15.03	14.96	14.88	14.87	14.83	16.68	15.86	15.18	15.06	19.36	16.85	16.26
23	15.03	14.96	14.87	14.87	14.84	16.44	15.89	15.16	15.04	19.35	17.15	16.17
24	15.03	14.96	14.88	14.87	14.88	16.35	15.94	15.14	15.03	19.39	17.55	16.08
25	15.03	14.96	14.88	14.87	14.90	16.24	15.97	15.13	15.03	19.41	17.97	16.02
26	15.03	14.95	14.89	14.86	14.92	16.28	15.95	15.11	15.03	19.40	18.46	15.96
27	15.02	14.95	14.87	14.86	14.92	16.43	15.90	15.09	15.02	19.40	18.97	15.89
28	15.02	14.94	14.87	14.86	14.99	16.63	15.85	15.08	15.02	19.41	19.43	15.82
29	15.01	14.94	14.88	14.85	---	16.87	15.79	15.08	15.02	19.42	19.83	15.76
30	15.01	14.93	14.87	14.85	---	17.10	15.72	15.08	15.04	19.41	20.18	15.71
31	15.01	---	14.87	14.85	---	17.29	---	15.07	---	19.42	20.37	---
Total	466.75	449.22	461.88	461.01	415.88	565.09	---	478.55	451.91	551.31	565.96	---
Mean	15.06	14.97	14.90	14.87	14.85	18.23	---	15.44	15.06	17.78	18.26	---
Max	15.12	15.01	14.93	14.88	14.99	21.50	---	15.90	15.12	19.42	20.37	---
Min	15.01	14.93	14.87	14.85	14.82	15.21	---	15.07	15.02	15.06	16.66	---
Med	15.05	14.97	14.90	14.87	14.84	17.49	---	15.44	15.07	18.58	18.37	---

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