Water-Data Report 2011

02264495 SHINGLE CREEK AT CAMPBELL, FL

Kissimmee Basin
Kissimmee Subbasin

LOCATION.--Lat 28°16′01″, long 81°26′53″ referenced to North American Datum of 1927, in SE ¼ sec.31, T.25 S., R.29 E., Osceola County, FL, Hydrologic Unit 03090101, near left bank on downstream side of bridge on County Road, 100 ft downstream from CSX railroad bridge, 0.8 mi northeast of Campbell, and 2.5 mi upstream from Lake Tohopekaliga.

DRAINAGE AREA.--180 mi^2, approximately, includes part of watershed in Reedy Creek Swamp.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929. Prior to July 20, 2006, water-stage recorder on Lake Tohopekaliga at Kissimmee used as auxiliary gage for this station.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Natural flow of stream affected by several canals, levees, and control structures which divert an undetermined amount of water into Shingle Creek above station or into the Reedy Creek basin.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 02264495, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/02264495.2011.pdf

02264495 SHINGLE CREEK AT CAMPBELL, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

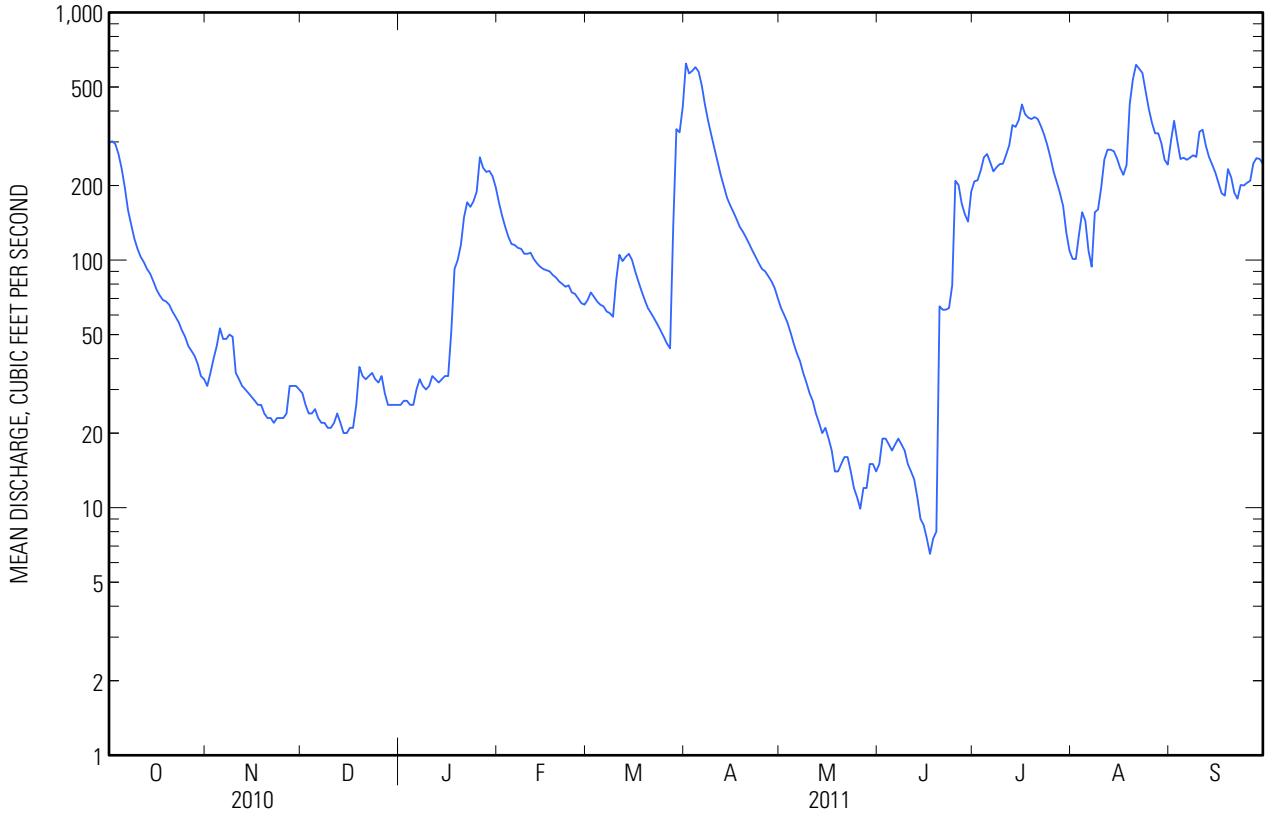
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	297	31	29	26	171	69	622	64	15	208	101	302
2	302	35	26	27	151	74	567	60	19	210	101	365
3	294	40	24	27	136	71	581	56	19	230	127	303
4	268	45	24	26	124	68	601	51	18	260	156	256
5	234	53	25	26	116	66	577	46	17	268	144	259
6	196	48	23	30	115	65	507	42	18	248	109	254
7	159	48	22	33	112	62	424	39	19	228	94	259
8	139	50	22	31	111	61	365	35	18	237	156	265
9	122	49	21	30	106	59	320	32	17	244	160	261
10	111	35	21	31	106	83	282	29	15	245	196	330
11	103	33	22	34	107	105	249	27	14	266	255	336
12	98	31	24	33	101	99	220	24	e13	291	279	290
13	92	30	22	32	97	103	198	22	e11	351	279	261
14	88	29	20	33	94	106	178	20	e9.0	345	275	243
15	82	28	20	34	92	100	166	21	e8.5	368	257	226
16	76	27	21	34	91	90	156	19	e7.5	425	235	205
17	72	26	21	52	90	82	146	17	e6.5	388	221	186
18	69	26	26	92	87	75	136	14	e7.5	376	242	182
19	68	24	37	100	85	69	130	14	e8.0	371	426	233
20	66	23	34	115	82	64	123	15	e65	378	537	216
21	62	23	33	149	80	61	116	16	e63	371	e615	187
22	59	22	34	171	78	58	109	16	e63	347	e592	177
23	56	23	35	164	79	55	103	14	64	321	570	201
24	52	23	33	173	74	52	97	12	79	291	482	200
25	e49	23	32	189	73	49	92	11	209	259	409	205
26	e45	24	34	260	70	46	90	9.9	201	227	359	209
27	e43	31	29	236	67	44	86	12	169	206	325	246
28	41	31	26	227	66	138	82	12	153	186	325	258
29	38	31	26	229	---	338	77	15	143	165	296	256
30	34	30	26	218	---	328	70	15	189	129	254	245
31	33	---	26	197	---	416	---	14	---	109	243	---
Total	3,448	972	818	3,059	2,761	3,156	7,470	793.9	1,658.0	8,548	8,820	7,416
Mean	111	32.4	26.4	98.7	98.6	102	249	25.6	55.3	276	285	247
Max	302	53	37	260	171	416	622	64	209	425	615	365
Min	33	22	20	26	66	44	70	9.9	6.5	109	94	177

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	207	127	137	158	148	159	118	70.7	149	230	288	324
Max	757	665	889	642	634	577	469	505	779	659	983	1,314
(WY)	(2005)	(1988)	(1998)	(2003)	(1998)	(1998)	(1987)	(2009)	(2005)	(1991)	(2004)	(2004)
Min	18.4	10.5	8.39	14.0	24.4	12.9	4.89	2.69	14.5	13.7	54.5	36.9
(WY)	(1971)	(1971)	(1971)	(1971)	(2001)	(2009)	(2000)	(2007)	(1971)	(1969)	(1980)	(1980)

02264495 SHINGLE CREEK AT CAMPBELL, FL—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1969 - 2011	
Annual total	77,941		48,919.9			
Annual mean	214		134		177	
Highest annual mean					418	2003
Lowest annual mean					47.0	1971
Highest daily mean	1,190	Mar 30	622	Apr 1	1,980	Apr 1, 1987
Lowest daily mean	20	Dec 14,15	[b]6.5	Jun 17	0.30	May 29, 2007
Annual seven-day minimum	21	Dec 9	8.3	Jun 13	0.78	May 26, 2007
Maximum peak flow					[a]2,070	Apr 1, 1987
Maximum peak stage			56.81	Apr 1	61.58	Sep 29, 2004
10 percent exceeds	426		310		416	
50 percent exceeds	167		83		97	
90 percent exceeds	30		20		29	

[a] Maximum discharge measured
[b] Estimated