

Water-Data Report 2011

02266500 REEDY CREEK NEAR LOUGHMAN, FL

Kissimmee Basin
Kissimmee Subbasin

LOCATION.--Lat 28°15'48", long 81°32'12" referenced to North American Datum of 1927, in SW ¼ sec.32, T.25 S., R.28 E., Osceola County, FL, Hydrologic Unit 03090101, on left bank 100 ft upstream from bridge on U.S. Highways 17 and 92, 1.0 mi downstream from Reedy Creek Improvement District Structure 40, 2.5 mi northeast of Loughman, 3 mi downstream from Davenport Creek, and 21 mi upstream from mouth.

DRAINAGE AREA.--177 mi², approximately, includes an indeterminate portion of the Reedy Creek Swamp watershed.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1939 to September 1959, July 1968 to September 2011 (discontinued).

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 64.49 ft above NGVD of 1929. Prior to Aug. 20, 1940, nonrecording gage at same site and datum.

REMARKS.--Records fair. Natural flow of stream affected by several canals, levees, and control structures which divert an undetermined amount of water into Reedy Creek above station or into the Shingle Creek basin. Since May 1970, flow regulated by Reedy Creek Improvement District Structure 40.

02266500 REEDY CREEK NEAR LOUGHMAN, FL—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22	3.0	1.4	0.44	10	5.5	79	32	2.3	1.4	3.9	167
2	21	3.1	1.3	0.42	10	5.4	135	31	2.6	1.3	3.6	175
3	18	3.7	1.2	0.40	9.4	4.6	182	29	2.1	1.2	3.1	145
4	15	5.2	1.1	0.40	9.4	4.0	213	28	1.8	1.1	2.8	131
5	13	5.2	1.1	0.40	9.4	3.8	233	27	1.6	1.1	2.6	125
6	10	4.6	1.0	0.48	9.7	3.4	235	26	1.5	1.0	2.4	120
7	8.6	4.2	0.95	0.51	9.9	3.2	224	24	1.4	3.6	2.5	124
8	8.3	3.8	0.90	0.49	11	2.9	210	21	1.3	7.1	3.4	120
9	7.8	3.5	0.88	0.45	9.4	2.7	196	18	1.3	6.0	3.4	118
10	7.2	3.3	0.84	0.42	11	7.6	182	15	1.2	4.4	3.6	128
11	6.8	3.0	0.84	0.40	11	7.5	165	11	1.2	3.7	3.4	124
12	6.5	2.7	0.84	0.37	9.4	5.9	150	8.4	1.1	3.4	3.2	114
13	6.0	2.5	0.82	0.34	9.0	5.2	137	7.6	1.1	3.7	3.8	108
14	5.5	2.2	0.74	0.32	8.6	4.6	128	8.1	1.0	3.6	4.1	103
15	5.1	2.0	0.69	0.32	8.0	4.1	120	15	1.00	12	3.4	100
16	4.8	1.8	0.65	0.31	7.9	3.7	114	12	1.00	18	3.7	97
17	4.6	1.7	0.60	0.74	7.5	3.4	107	8.5	0.97	11	4.7	92
18	4.4	1.6	0.85	1.2	7.0	3.1	101	7.5	0.90	8.1	10	93
19	4.1	1.5	1.2	1.4	6.6	2.9	96	6.1	0.81	7.3	31	102
20	3.8	1.4	1.0	1.6	6.3	2.6	92	5.4	0.77	6.5	28	97
21	3.6	1.3	0.94	2.7	6.0	2.4	87	4.8	0.71	5.8	26	61
22	3.4	1.3	0.87	2.9	5.7	2.2	75	4.0	0.66	12	22	38
23	3.3	1.3	0.81	2.5	5.3	2.0	62	3.3	0.61	16	27	28
24	3.2	1.2	0.73	2.4	4.9	1.8	53	2.8	0.68	9.8	57	26
25	3.0	1.2	0.67	5.1	4.5	1.7	48	2.5	1.1	7.9	75	17
26	2.9	1.4	0.67	12	4.3	1.6	45	2.2	0.99	6.9	84	9.2
27	2.8	1.7	0.59	8.3	4.0	1.5	42	2.3	0.92	6.8	98	8.3
28	2.9	1.6	0.55	7.2	3.7	17	39	3.3	0.88	6.6	117	7.3
29	3.0	1.5	0.51	7.4	---	35	37	3.0	1.1	5.5	121	7.9
30	2.9	1.5	0.48	8.4	---	32	35	2.4	1.4	4.7	120	7.5
31	2.9	---	0.45	9.2	---	48	---	2.1	---	4.0	128	---
Total	216.4	74.0	26.17	79.51	218.9	231.3	3,622	373.3	36.00	191.5	1,001.6	2,593.2
Mean	6.98	2.47	0.84	2.56	7.82	7.46	121	12.0	1.20	6.18	32.3	86.4
Max	22	5.2	1.4	12	11	48	235	32	2.6	18	128	175
Min	2.8	1.2	0.45	0.31	3.7	1.5	35	2.1	0.61	1.0	2.4	7.3
Cfsm	0.04	0.01	0.00	0.01	0.04	0.04	0.68	0.07	0.01	0.03	0.18	0.49
In.	0.05	0.02	0.01	0.02	0.05	0.05	0.76	0.08	0.01	0.04	0.21	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	96.0	48.4	56.4	59.7	52.4	57.2	46.9	20.3	33.6	83.3	116	136
Max	535	217	497	492	424	451	261	190	305	330	840	853
(WY)	(2005)	(1988)	(1998)	(1998)	(1998)	(1998)	(1987)	(2009)	(2009)	(2005)	(2003)	(2004)
Min	1.12	0.04	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	1.90
(WY)	(2001)	(1974)	(1974)	(1974)	(1974)	(2002)	(1972)	(1972)	(1981)	(1989)	(1989)	(2000)

SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1940 - 2011	
Annual total	26,148.77	8,663.88		
Annual mean	71.6	23.7	67.5	
Highest annual mean			217	2003
Lowest annual mean			2.66	2007
Highest daily mean	397	Apr 1	235	Apr 6
Lowest daily mean	0.45	Dec 31	0.31	Jan 16
Annual seven-day minimum	0.56	Dec 25	0.35	Jan 10
Maximum peak flow			239	Apr 5,6
Maximum peak stage			3.03	Apr 5,6
Instantaneous low flow			0.30	Jan 16,17
Annual runoff (cfsm)	0.405		0.134	
Annual runoff (inches)	5.50		1.82	
10 percent exceeds	177		100	
50 percent exceeds	38		4.1	
90 percent exceeds	1.4		0.82	

