

Water-Data Report 2013

02082950 LITTLE FISHING CREEK NEAR WHITE OAK, NC

Pamlico Basin
Fishing Subbasin

LOCATION.--Lat 36°11'00", long 77°52'34" referenced to North American Datum of 1983, Halifax County, NC, Hydrologic Unit 03020102, on right bank 8 ft downstream of bridge on Secondary Road 1338, 1.1 mi west of White Oak, 1.8 mi upstream from Powells Creek, 4.3 mi upstream from mouth, and 12 mi west of Enfield.

DRAINAGE AREA.--177 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1959 to current year.

REVISED RECORDS.--WSP 1723: 1960(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 115.44 ft above North American Vertical Datum of 1988. February 14, 1962, to April 23, 1979, auxiliary nonrecording gage 3.6 mi downstream. Satellite telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record from rating curve extended above 6,900 ft³/s on basis of slope-conveyance study of peak flow. Maximum gage height for period of record from flood marks. Minimum discharge for period of record also occurred on October 17, 18, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1959 reached a stage of 19.3 ft, from flood marks; discharge not determined.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	39	20	81	144	228	122	187	12	291	33	11
2	21	34	21	98	112	148	123	107	11	502	32	13
3	23	29	21	160	92	119	96	79	11	637	34	13
4	24	26	22	128	82	101	82	63	12	562	31	14
5	23	25	22	97	74	91	225	54	16	332	27	13
6	23	22	22	78	67	147	315	50	15	192	24	17
7	22	20	22	66	64	266	189	52	517	115	22	15
8	27	22	23	60	419	202	124	55	1,490	92	21	13
9	59	21	23	54	821	135	102	52	2,120	135	18	11
10	71	19	25	51	518	109	89	47	1,470	106	17	9.5
11	57	18	26	49	228	95	80	40	269	85	16	8.5
12	44	18	24	51	166	103	74	35	181	131	17	7.6
13	34	19	24	55	142	228	129	30	118	127	15	7.0
14	27	21	23	55	138	194	104	25	96	149	15	7.0
15	24	25	23	59	123	122	77	22	75	128	13	6.4
16	30	27	24	110	107	100	72	20	60	86	12	6.0
17	37	26	30	184	128	92	69	19	49	67	12	6.2
18	41	26	44	704	135	85	63	18	53	56	12	5.2
19	35	25	50	829	113	86	59	17	286	48	12	4.8
20	27	25	42	434	107	88	72	22	406	41	19	4.6
21	22	24	43	246	94	79	88	59	184	35	20	4.9
22	19	23	44	162	82	71	71	71	100	31	20	9.2
23	17	22	49	119	109	67	60	56	124	28	17	33
24	15	22	41	97	215	74	54	55	116	28	16	35
25	14	21	37	85	179	243	48	36	81	198	19	21
26	13	20	52	78	178	253	43	28	67	226	24	14
27	14	20	259	79	480	148	38	23	64	101	20	11
28	15	20	229	81	402	108	34	20	71	56	16	9.3
29	18	20	139	91	---	92	95	17	96	46	13	8.5
30	27	20	119	94	---	79	312	15	117	39	12	7.7
31	37	---	103	113	---	78	---	14	---	35	10	---
Total	878	699	1,646	4,648	5,519	4,031	3,109	1,388	8,287	4,705	589	346.4
Mean	28.3	23.3	53.1	150	197	130	104	44.8	276	152	19.0	11.5
Max	71	39	259	829	821	266	315	187	2,120	637	34	35
Min	13	18	20	49	64	67	34	14	11	28	10	4.6
Cfsm	0.16	0.13	0.30	0.85	1.11	0.73	0.59	0.25	1.56	0.86	0.11	0.07
In.	0.18	0.15	0.35	0.98	1.16	0.85	0.65	0.29	1.74	0.99	0.12	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	94.2	118	155	231	293	314	216	127	98.2	84.9	76.8	101
Max	982	860	482	570	742	873	720	550	302	602	330	1,947
(WY)	(1973)	(1986)	(1973)	(1962)	(1984)	(1998)	(1987)	(1984)	(2006)	(1975)	(1967)	(1999)
Min	1.25	2.77	23.6	37.6	55.5	65.7	49.5	30.9	5.24	2.38	1.69	1.00
(WY)	(2008)	(2008)	(2002)	(1981)	(2012)	(2006)	(2012)	(2011)	(2002)	(2010)	(2010)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1960 - 2013	
Annual total	26,182.4		35,845.4			
Annual mean	71.5		98.2		158	
Highest annual mean					327	1973
Lowest annual mean					47.2	1981
Highest daily mean	1,420	Aug 21	2,120	Jun 9	20,000	Sep 17, 1999
Lowest daily mean	2.1	Jun 30	4.6	Sep 20	0.14	Oct 17, 2007
Annual seven-day minimum	2.5	Jun 28	5.4	Sep 15	0.17	Oct 14, 2007
Maximum peak flow			2,490	Jun 9	^a 31,000	Sep 16, 1999
Maximum peak stage			15.15	Jun 9	^a 30.80	Sep 16, 1999
Instantaneous low flow			4.4	Sep 21	^a 0.14	Oct 16, 2007
Annual runoff (cfsm)	0.404		0.555		0.895	
Annual runoff (inches)	5.50		7.53		12.15	
10 percent exceeds	127		196		337	
50 percent exceeds	35		50		74	
90 percent exceeds	14		14		12	

^a See Remarks.

