

Water-Data Report 2010

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.--Records fair except those for estimated daily discharges, which are poor. 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. Minimum discharge for the current water year also occurred August 28.

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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.6	e2.5	38	129	155	105	290	38	61	2.6	5.0	0.81
2	3.3	e3.0	44	125	154	101	197	35	42	2.4	4.3	0.87
3	2.9	48	332	103	243	170	152	33	34	2.3	3.3	0.86
4	2.7	28	877	e92	424	236	131	32	33	2.1	2.5	0.91
5	2.6	19	1,100	e88	471	168	116	32	37	1.9	2.6	1.0
6	2.4	14	338	e86	1,450	131	106	30	33	1.8	3.8	1.2
7	2.4	11	222	e84	1,840	114	97	27	28	1.7	2.8	1.2
8	e2.3	9.4	133	e80	1,210	105	89	25	23	1.6	3.0	1.4
9	e2.2	12	401	e77	359	100	194	23	20	1.7	2.7	1.3
10	e2.3	19	645	e74	415	96	226	20	17	2.9	2.5	1.3
11	e2.2	41	443	e72	375	101	145	17	14	2.5	2.0	1.3
12	e1.9	538	197	e70	284	153	111	17	14	2.0	1.8	1.6
13	e1.7	1,060	129	e68	240	231	93	17	22	2.0	1.5	1.5
14	e1.7	847	226	e65	217	241	82	18	18	2.9	1.5	1.5
15	e1.6	307	254	e63	195	249	77	18	15	3.6	1.4	1.5
16	e1.8	140	165	57	179	187	75	20	14	2.5	1.6	1.5
17	e1.8	86	116	195	161	144	72	29	14	3.0	0.95	1.4
18	e1.7	64	94	792	146	124	65	309	11	3.0	0.73	1.3
19	e1.9	56	194	547	135	112	61	268	10	2.9	0.59	1.2
20	e2.1	64	457	268	125	102	56	148	9.3	2.3	0.60	1.1
21	e2.2	67	338	169	119	93	56	76	7.6	2.0	0.65	1.1
22	e2.3	53	197	522	118	92	68	47	6.5	1.8	0.59	1.00
23	e2.1	47	132	579	141	162	68	37	6.0	1.7	0.68	0.95
24	e1.9	60	108	349	149	148	60	62	5.3	1.5	0.67	0.88
25	e1.9	79	109	566	148	112	62	85	4.7	1.4	0.84	0.80
26	e2.0	69	418	887	143	100	69	59	8.3	1.3	0.65	0.93
27	e2.1	58	481	562	125	100	62	45	4.3	1.4	0.52	4.4
28	e2.1	49	279	267	114	98	53	58	3.4	1.6	0.57	5.6
29	e1.9	43	163	177	---	740	46	172	3.0	1.8	0.68	7.1
30	e2.1	39	117	155	---	1,430	41	155	2.7	7.1	0.65	284
31	e2.3	---	109	168	---	854	---	100	---	4.4	0.70	---
Total	68.0	3,932.9	8,856	7,536	9,835	6,899	3,020	2,052	521.1	73.7	52.37	331.51
Mean	2.19	131	286	243	351	223	101	66.2	17.4	2.38	1.69	11.1
Max	3.6	1,060	1,100	887	1,840	1,430	290	309	61	7.1	5.0	284
Min	1.6	2.5	38	57	114	92	41	17	2.7	1.3	0.52	0.80
Cfsm	0.01	0.74	1.61	1.37	1.98	1.26	0.57	0.37	0.10	0.01	0.01	0.06
In.	0.01	0.83	1.86	1.58	2.07	1.45	0.63	0.43	0.11	0.02	0.01	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	96.9	123	162	240	304	324	223	131	97.8	85.0	76.5	104
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	55.6	65.7	56.8	34.2	5.24	2.38	1.69	1.00
(WY)	(2008)	(2008)	(2002)	(1981)	(2009)	(2006)	(1967)	(2002)	(2002)	(2010)	(2010)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1960 - 2010	
Annual total	37,915.3		43,177.58			
Annual mean	104		118		163	
Highest annual mean					327	1973
Lowest annual mean					47.2	1981
Highest daily mean	1,530	Mar 3	1,840	Feb 7	20,000	Sep 17, 1999
Lowest daily mean	1.6	Oct 15	0.52	Aug 27	0.14	Oct 17, 2007
Annual seven-day minimum	1.7	Oct 12	0.64	Aug 18	0.17	Oct 14, 2007
Maximum peak flow			1,880	Feb 7	^a 31,000	Sep 16, 1999
Maximum peak stage			13.19	Feb 7	^a 30.80	Sep 16, 1999
Instantaneous low flow			^a 0.43	Aug 27	^a 0.14	Oct 16, 2007
Annual runoff (cfsm)	0.587		0.668		0.922	
Annual runoff (inches)	7.97		9.07		12.53	
10 percent exceeds	246		286		346	
50 percent exceeds	42		43		77	
90 percent exceeds	2.9		1.4		13	

^a See Remarks.

