

Water-Data Report 2008

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 station.

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 and current year also occurred on October 17, 18.

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 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.33	2.9	5.1	409	87	57	143	236	29	81	9.4	21
2	0.32	2.0	5.1	188	302	52	204	149	26	40	9.4	16
3	0.31	1.8	5.1	107	216	47	135	112	23	21	10	12
4	0.31	1.4	5.6	71	139	45	151	89	22	15	9.0	9.6
5	0.32	1.3	5.8	54	98	262	384	74	21	22	8.0	8.0
6	0.38	1.1	5.4	47	81	343	608	64	19	112	7.2	16
7	0.40	1.0	5.4	42	69	295	349	56	17	165	6.6	315
8	0.36	0.91	6.5	38	57	671	219	50	16	117	6.2	324
9	0.34	0.85	6.1	34	48	666	164	49	14	61	5.7	99
10	0.32	0.81	6.3	31	42	315	133	51	13	41	5.5	57
11	0.27	0.93	5.8	28	40	185	113	51	11	39	7.9	40
12	0.26	0.95	5.2	27	35	141	99	76	10	36	6.7	33
13	0.22	1.0	5.0	25	46	114	92	90	9.8	27	5.8	30
14	0.18	1.0	5.4	24	112	98	87	69	9.0	23	6.0	25
15	0.16	1.5	5.6	22	122	88	73	55	8.3	22	5.7	21
16	0.16	2.3	11	21	95	187	65	54	8.8	22	5.6	18
17	0.14	2.0	31	22	75	245	59	80	8.4	20	5.4	18
18	0.17	2.5	29	33	85	165	54	68	11	17	5.0	17
19	0.19	3.3	20	55	93	124	51	71	9.9	17	7.2	17
20	0.20	3.5	15	66	74	109	472	87	9.1	14	7.6	15
21	0.19	3.8	12	61	59	94	399	73	7.8	13	6.7	14
22	0.18	4.2	10	49	61	80	351	59	7.1	12	5.9	12
23	0.16	4.1	9.7	44	102	71	253	48	6.7	11	5.2	11
24	0.25	4.7	11	42	152	63	169	41	7.2	13	4.9	9.3
25	3.5	5.6	11	38	121	57	122	35	8.2	11	4.5	8.5
26	1.9	5.0	28	33	94	53	94	32	6.7	12	4.5	10
27	2.0	5.4	110	31	95	51	95	29	5.9	11	4.3	15
28	2.2	6.0	111	30	84	49	243	28	6.2	11	6.1	59
29	8.6	6.1	76	28	67	49	692	33	6.8	9.1	7.8	71
30	9.5	5.1	95	28	---	52	535	38	17	8.7	69	46
31	4.9	---	347	27	---	73	---	32	---	9.3	33	---
Total	38.72	83.05	1,010.1	1,755	2,751	4,901	6,608	2,079	374.9	1,033.1	291.8	1,367.4
Mean	1.25	2.77	32.6	56.6	94.9	158	220	67.1	12.5	33.3	9.41	45.6
Max	9.5	6.1	347	409	302	671	692	236	29	165	69	324
Min	0.14	0.81	5.0	21	35	45	51	28	5.9	8.7	4.3	8.0
Cfsm	0.01	0.02	0.18	0.32	0.54	0.89	1.24	0.38	0.07	0.19	0.05	0.26
In.	0.01	0.02	0.21	0.37	0.58	1.03	1.39	0.44	0.08	0.22	0.06	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	101	124	160	243	309	324	227	134	101	88.2	79.5	108
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	83.4	65.7	56.8	34.2	5.24	2.42	4.21	1.00
(WY)	(2008)	(2008)	(2002)	(1981)	(1991)	(2006)	(1967)	(2002)	(2002)	(2002)	(1993)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1960 - 2008	
Annual total	27,291.52		22,293.07			
Annual mean	74.8		60.9		166	
Highest annual mean					327	1973
Lowest annual mean					47.2	1981
Highest daily mean	764	Apr 16	692	Apr 29	20,000	Sep 17, 1999
Lowest daily mean	0.14	Oct 17	0.14	Oct 17	0.14	Oct 17, 2007
Annual seven-day minimum	0.17	Oct 14	0.17	Oct 14	0.17	Oct 14, 2007
Maximum peak flow			963	Apr 20	^a 31,000	Sep 16, 1999
Maximum peak stage			9.17	Apr 20	^a 30.80	Sep 16, 1999
Instantaneous low flow			^a 0.14	Oct 16	^a 0.14	Oct 16, 2007
Annual runoff (cfsm)	0.422		0.344		0.937	
Annual runoff (inches)	5.74		4.69		12.73	
10 percent exceeds	176		145		350	
50 percent exceeds	23		23		79	
90 percent exceeds	0.79		1.7		14	

^aSee Remarks.

