

Water-Data Report 2008

02084160 CHICOD CREEK AT SECONDARY ROAD 1760 NEAR SIMPSON, NC

Pamlico Basin
Lower Tar Subbasin

LOCATION.--Lat 35°33'42", long 77°13'51" referenced to North American Datum of 1983, Pitt County, NC, Hydrologic Unit 03020103, on left bank at downstream side of bridge on Secondary Road 1760, 0.6 mi upstream from Juniper Branch, and 2.8 mi east-southeast of Simpson.

DRAINAGE AREA.--45 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1975 to March 1987, May 1992 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1.1 ft below North American Vertical Datum of 1988. Satellite telemetry at site.

REMARKS.--Records poor. Maximum gage height for period of record from flood mark. No flow occurs at times most years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	e4.0	6.7	16	13	35	22	54	1.2	0.00	0.00	0.00
2	0.00	e4.4	7.2	14	14	30	26	35	1.2	0.00	0.00	0.00
3	0.00	e4.4	7.3	13	14	26	21	23	1.2	0.00	0.00	0.00
4	0.00	e4.9	6.8	12	14	24	19	16	0.98	0.00	0.00	0.00
5	0.00	e5.2	6.9	11	15	170	184	29	1.0	0.00	0.00	0.00
6	0.00	6.8	6.6	10	15	174	887	109	1.3	0.00	0.00	0.00
7	0.00	6.6	6.5	9.8	15	114	388	77	1.1	0.00	0.00	0.00
8	0.00	6.7	6.6	11	16	279	229	43	1.2	0.00	0.00	0.00
9	0.00	6.6	6.6	10	16	239	160	28	1.3	0.00	0.00	0.00
10	0.00	6.8	6.9	9.6	16	137	111	18	1.1	0.00	0.00	0.00
11	0.00	6.5	7.0	9.6	15	84	79	13	0.84	0.00	0.00	0.00
12	0.00	6.3	7.2	10	16	60	58	12	0.63	0.00	0.00	0.00
13	0.00	6.2	7.2	10	42	46	43	10	0.51	0.00	0.00	0.00
14	0.00	6.3	7.0	10	152	37	31	7.3	0.23	0.00	0.00	0.00
15	0.00	6.8	7.4	9.6	89	30	24	5.1	0.14	0.00	0.00	0.00
16	0.00	6.9	32	9.6	46	39	18	4.3	0.11	0.00	0.00	0.00
17	0.00	6.6	40	10	32	53	15	3.8	0.04	0.00	0.00	0.00
18	e0.03	6.7	18	11	59	43	11	2.6	0.00	0.00	0.00	0.00
19	e0.08	6.5	14	11	251	35	8.4	2.8	0.00	0.00	0.00	0.00
20	e0.71	6.3	13	18	132	34	7.9	2.0	0.00	0.00	0.00	0.00
21	e0.95	6.4	12	21	68	32	10	3.2	0.00	0.00	0.00	0.00
22	e1.6	6.4	12	18	82	28	77	4.1	0.00	0.00	0.00	0.00
23	e1.8	6.4	12	15	220	24	88	3.3	0.00	0.00	0.00	0.00
24	e1.9	6.4	12	13	134	21	65	2.2	0.00	0.00	0.00	0.00
25	e1.9	6.5	11	12	81	18	45	1.3	0.00	0.00	0.00	0.00
26	e2.1	6.6	14	12	60	16	31	0.35	0.00	0.00	0.00	0.00
27	e2.7	6.8	16	12	65	15	26	0.34	0.00	0.00	0.00	0.00
28	e3.2	6.4	15	12	57	14	88	0.80	0.00	0.00	0.00	0.00
29	e3.5	6.3	13	11	43	13	124	1.6	0.00	0.00	0.00	0.00
30	e3.6	6.6	15	15	---	14	88	1.3	0.00	0.00	0.00	0.00
31	e3.9	---	18	13	---	17	---	1.2	---	0.00	0.00	---
Total	27.97	186.3	370.9	379.2	1,792	1,901	2,984.3	514.59	14.08	0.00	0.00	0.00
Mean	0.90	6.21	12.0	12.2	61.8	61.3	99.5	16.6	0.47	0.00	0.00	0.00
Max	3.9	6.9	40	21	251	279	887	109	1.3	0.00	0.00	0.00
Min	0.00	4.0	6.5	9.6	13	13	7.9	0.34	0.00	0.00	0.00	0.00
Cfsm	0.02	0.14	0.27	0.27	1.37	1.36	2.21	0.37	0.01	0.00	0.00	0.00
In.	0.02	0.15	0.31	0.31	1.48	1.57	2.47	0.43	0.01	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	37.7	34.7	48.9	85.9	79.2	86.6	56.9	36.3	31.2	21.1	39.3	85.6
Max	274	219	128	244	245	201	144	149	192	120	238	1,188
(WY)	(2000)	(1978)	(2004)	(1978)	(1998)	(1980)	(1978)	(2003)	(1995)	(1996)	(1992)	(1999)
Min	0.27	1.23	4.41	6.85	19.7	18.0	4.49	0.65	0.00	0.00	0.00	0.00
(WY)	(1977)	(1982)	(2002)	(2003)	(1977)	(1981)	(1981)	(1985)	(1985)	(2008)	(1976)	(2008)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1976 - 2008 ^a	
Annual total	11,212.08		8,170.34			
Annual mean	30.7		22.3		52.9	
Highest annual mean					129	1999
Lowest annual mean					20.4	2001
Highest daily mean	701	Apr 16	887	Apr 6	4,560	Sep 18, 1999
Lowest daily mean	0.00	Sep 12	0.00	Oct 1	0.00	Jul 19, 1976
Annual seven-day minimum	0.00	Sep 22	0.00	Oct 1	0.00	Jul 19, 1976
Maximum peak flow			1,090	Apr 6	NOT DETERMINED	
Maximum peak stage			10.95	Apr 6	^b 21.46	Sep 18, 1999
Instantaneous low flow			^b 0.00	Oct 1	^b 0.00	Jul 19, 1976
Annual runoff (cfs)	0.683		0.496		1.18	
Annual runoff (inches)	9.27		6.75		15.97	
10 percent exceeds	71		57		117	
50 percent exceeds	13		6.4		14	
90 percent exceeds	0.06		0.00		0.45	

^aSee Period of Record.^bSee Remarks.