

Water-Data Report 2007

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 NAVD of 1988. Satellite telemetry at station.

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

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27	34	56	67	63	27	11	59	9.5	21	24	1.5
2	26	32	53	96	167	29	11	50	8.3	43	15	1.2
3	26	32	52	98	152	29	12	45	16	44	13	0.98
4	26	29	55	82	90	28	12	48	26	42	11	0.78
5	25	30	54	73	71	25	12	52	34	39	8.9	0.56
6	27	39	56	83	59	22	12	78	32	37	7.9	0.23
7	31	62	57	119	52	21	11	81	29	33	7.1	0.21
8	31	268	59	99	46	19	9.2	65	24	30	6.3	0.16
9	34	214	65	88	40	19	8.2	62	21	27	5.4	0.08
10	33	114	68	78	34	19	7.2	62	20	27	5.1	0.08
11	30	63	71	66	31	18	6.6	59	18	40	6.3	0.03
12	28	60	74	56	28	17	8.0	59	18	54	6.7	0.00
13	27	311	79	52	28	17	8.9	114	17	61	6.3	0.00
14	27	213	80	51	34	17	8.4	86	16	62	5.6	0.00
15	26	107	82	52	37	16	331	57	14	58	5.0	0.09
16	26	70	83	52	34	20	701	43	14	54	4.6	0.08
17	26	120	86	55	30	34	303	39	13	50	3.9	0.02
18	48	101	88	59	27	30	197	40	11	104	3.3	0.00
19	55	60	92	70	24	21	155	41	9.5	123	2.8	0.00
20	52	42	96	76	23	17	132	40	9.2	100	2.5	0.00
21	45	38	100	77	22	16	112	38	11	61	2.2	0.01
22	47	721	105	195	24	14	91	34	9.9	44	3.2	0.00
23	52	740	193	224	22	13	73	31	9.1	44	4.5	0.00
24	49	376	192	131	22	12	61	31	7.7	43	4.1	0.00
25	46	211	174	100	24	12	57	30	6.4	39	3.6	0.00
26	46	128	462	82	28	11	53	27	5.3	32	3.1	0.00
27	57	98	246	71	27	12	57	21	4.4	30	3.0	0.00
28	330	81	134	66	27	11	63	18	3.5	28	3.1	0.00
29	282	70	101	67	---	12	63	16	3.3	25	2.9	0.00
30	68	61	80	66	---	13	62	13	5.8	26	2.2	0.00
31	39	---	69	60	---	13	---	11	---	30	1.9	---
Total	1,692	4,525	3,262	2,611	1,266	584	2,648.5	1,450	425.9	1,451	184.5	6.01
Mean	54.6	151	105	84.2	45.2	18.8	88.3	46.8	14.2	46.8	5.95	0.20
Max	330	740	462	224	167	34	701	114	34	123	24	1.5
Min	25	29	52	51	22	11	6.6	11	3.3	21	1.9	0.00
Cfsm	1.21	3.35	2.34	1.87	1.00	0.42	1.96	1.04	0.32	1.04	0.13	0.00
In.	1.40	3.74	2.70	2.16	1.05	0.48	2.19	1.20	0.35	1.20	0.15	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2007 ^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	39.1	35.8	50.3	88.6	79.9	87.6	55.3	37.0	32.4	21.9	40.7	88.7
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	0.89	0.00	0.02
(WY)	(1977)	(1982)	(2002)	(2003)	(1977)	(1981)	(1981)	(1985)	(1985)	(1998)	(1976)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1976 - 2007 ^a	
Annual total	23,155.41		20,105.91			
Annual mean	63.4		55.1		54.2	
Highest annual mean					129	1999
Lowest annual mean					20.4	2001
Highest daily mean	1,420	Sep 1	740	Nov 23	4,560	Sep 18, 1999
Lowest daily mean	0.16	Aug 30	0.00	Sep 12	0.00	Jul 19, 1976
Annual seven-day minimum	0.27	Aug 25	0.00	Sep 22	0.00	Jul 19, 1976
Maximum peak flow			1,200	Nov 22	NOT DETERMINED	
Maximum peak stage			11.20	Nov 22	^b 21.46	Sep 18, 1999
Instantaneous low flow			0.00	Sep 6	^b 0.00	Jul 19, 1976
Annual runoff (cfsm)	1.41		1.22		1.20	
Annual runoff (inches)	19.14		16.62		16.36	
10 percent exceeds	114		104		120	
50 percent exceeds	34		31		15	
90 percent exceeds	8.7		3.0		0.58	

^a See Period of Record.

^b See Remarks.

