

Water-Data Report 2008

03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC

French Broad-Holston Basin
Pigeon Subbasin

LOCATION.--Lat 35°40'03", long 83°04'25" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, in Great Smoky Mountains National Park, on left bank 20 ft downstream of bridge on North Carolina Highway 284, 500 ft upstream from Little Cataloochee Creek, 2 mi north of Cataloochee, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--49.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1933 to September 1952, October 1962 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2,456.88 ft above NGVD of 1929 (levels by Tennessee Valley Authority). Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minimum discharge for period of record also occurred Dec. 17, 24, 1943, result of freezeup.

03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC—Continued

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	17	20	29	109	247	113	99	85	59	40	39	23
2	17	20	28	93	195	106	96	82	58	35	26	23
3	17	20	44	e86	157	104	92	81	55	34	23	22
4	21	20	31	e80	197	410	107	79	53	33	22	20
5	27	20	30	e74	209	464	135	75	50	32	21	20
6	20	28	29	67	272	296	259	72	49	33	21	20
7	19	22	28	60	267	263	187	70	47	35	20	20
8	18	21	28	56	218	249	163	70	46	45	20	19
9	21	20	43	57	181	208	146	83	44	51	19	25
10	23	20	41	75	152	187	134	92	43	64	19	42
11	18	20	34	338	133	170	127	88	50	45	18	28
12	18	20	33	182	120	155	125	100	46	34	18	22
13	18	20	34	139	130	142	111	85	42	34	18	21
14	17	21	32	116	106	137	106	83	40	41	19	20
15	17	82	35	99	97	199	102	82	41	34	18	28
16	17	32	79	88	92	206	95	106	39	32	17	22
17	18	26	50	89	143	182	91	86	40	31	18	21
18	17	25	44	79	271	167	87	89	36	29	17	20
19	34	24	42	73	185	251	90	86	36	27	17	19
20	24	24	40	72	158	297	84	81	35	26	16	18
21	19	23	56	177	139	247	80	78	35	26	15	18
22	18	45	45	107	128	216	77	73	39	26	14	18
23	21	32	70	74	116	188	75	71	36	36	14	17
24	94	27	63	63	106	167	73	69	35	27	14	17
25	39	27	56	e61	103	150	71	66	35	24	19	17
26	26	46	53	59	155	137	74	64	35	35	200	17
27	23	47	49	55	127	127	81	64	39	30	102	21
28	22	36	174	52	115	120	138	85	38	24	44	20
29	21	33	246	55	111	121	99	73	51	31	33	18
30	21	30	160	125	---	109	89	64	46	40	27	17
31	20	---	132	79	---	102	---	62	---	31	25	---
Total	722	851	1,858	2,939	4,630	5,990	3,293	2,444	1,298	1,065	913	633
Mean	23.3	28.4	59.9	94.8	160	193	110	78.8	43.3	34.4	29.5	21.1
Max	94	82	246	338	272	464	259	106	59	64	200	42
Min	17	20	28	52	92	102	71	62	35	24	14	17
Cfsm	0.47	0.58	1.22	1.93	3.25	3.93	2.23	1.60	0.88	0.70	0.60	0.43
In.	0.55	0.64	1.40	2.22	3.50	4.53	2.49	1.85	0.98	0.81	0.69	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	53.3	71.5	111	161	176	198	154	113	83.5	73.6	70.5	58.2
Max	146	159	302	392	394	496	305	289	252	182	223	361
(WY)	(1990)	(1980)	(1973)	(1937)	(1990)	(1963)	(1936)	(2003)	(1967)	(1949)	(1940)	(2004)
Min	21.3	22.3	26.0	35.5	49.5	63.2	58.8	46.2	34.7	29.6	26.9	21.1
(WY)	(1999)	(1940)	(1940)	(1940)	(1941)	(1988)	(1986)	(1986)	(1986)	(1986)	(1987)	(2008)

03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1934 - 2008 ^a	
Annual total	21,634		26,636			
Annual mean	59.3		72.8		110	
Highest annual mean					171	1994
Lowest annual mean					51.5	1986
Highest daily mean	364	Mar 2	464	Mar 5	2,690	Mar 16, 1973
Lowest daily mean	16	Sep 30	14	Aug 22	12	Jan 2, 1940
Annual seven-day minimum	17	Sep 27	15	Aug 18	15	Aug 18, 2008
Maximum peak flow			847	Mar 4	5,080	Mar 6, 1963
Maximum peak stage			4.34	Mar 4	8.08	Mar 6, 1963
Instantaneous low flow			14	Aug 21	^b 9.0	Jan 2, 1940
Annual runoff (cfs)	1.20		1.48		2.24	
Annual runoff (inches)	16.36		20.14		30.40	
10 percent exceeds	109		164		202	
50 percent exceeds	45		46		82	
90 percent exceeds	20		19		34	

^aSee Period of Record.^bSee Remarks.