

Water-Data Report 2007

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 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	96	81	92	182	84	159	91	64	59	43	38	27
2	89	90	77	132	84	364	108	63	43	43	45	23
3	84	78	73	118	e81	219	87	63	43	42	43	21
4	80	75	70	109	e78	168	104	94	50	39	36	21
5	77	73	68	122	e75	141	88	98	44	37	34	19
6	86	72	68	119	e74	126	85	83	42	37	35	19
7	73	79	66	135	e72	115	86	74	38	42	32	19
8	71	110	e65	237	e71	107	82	71	39	42	31	18
9	69	86	e64	195	e69	100	80	69	38	36	30	18
10	66	82	e63	166	e68	95	78	68	35	37	29	18
11	68	90	61	148	e68	91	80	66	34	58	27	18
12	74	90	60	140	e67	86	104	66	34	42	26	20
13	63	83	63	132	67	83	82	64	33	36	26	18
14	60	81	58	122	70	81	87	60	62	35	25	70
15	59	115	58	116	e65	79	113	59	54	42	24	43
16	59	181	56	116	e62	189	97	58	37	40	23	24
17	199	143	55	103	e60	125	94	59	34	38	23	22
18	130	131	53	101	e58	113	94	54	39	49	22	21
19	104	121	53	97	e57	108	98	53	47	41	22	20
20	111	113	52	91	57	106	90	52	87	55	21	19
21	95	104	52	126	81	102	86	50	39	37	23	19
22	91	100	93	137	62	96	82	49	34	38	26	20
23	86	95	73	119	55	92	79	48	34	37	22	19
24	83	90	61	114	54	89	78	47	36	36	28	18
25	80	85	83	109	121	85	76	46	39	46	28	18
26	78	81	82	e106	86	83	78	45	75	58	25	18
27	95	78	75	101	76	81	80	44	101	39	22	18
28	108	76	72	97	72	79	72	43	70	67	22	19
29	89	74	71	e94	---	85	69	42	60	50	26	17
30	85	79	71	e91	---	79	66	40	51	45	51	16
31	83	---	97	e87	---	75	---	41	---	44	32	---
Total	2,691	2,836	2,105	3,862	1,994	3,601	2,594	1,833	1,431	1,331	897	660
Mean	86.8	94.5	67.9	125	71.2	116	86.5	59.1	47.7	42.9	28.9	22.0
Max	199	181	97	237	121	364	113	98	101	67	51	70
Min	59	72	52	87	54	75	66	40	33	35	21	16
Cfsm	1.76	1.92	1.38	2.53	1.45	2.36	1.76	1.20	0.97	0.87	0.59	0.45
In.	2.03	2.14	1.59	2.92	1.51	2.72	1.96	1.39	1.08	1.01	0.68	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2007 ^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	53.8	72.2	112	162	176	198	155	114	84.1	74.2	71.2	58.8
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	22.0
(WY)	(1999)	(1940)	(1940)	(1940)	(1941)	(1988)	(1986)	(1986)	(1986)	(1986)	(1987)	(2007)

03460000 CATALOCHEE CREEK NEAR CATALOCHEE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1934 - 2007 ^a	
Annual total	38,744		25,835			
Annual mean	106		70.8		111	
Highest annual mean					171	1994
Lowest annual mean					51.5	1986
Highest daily mean	661	Jan 18	364	Mar 2	2,690	Mar 16, 1973
Lowest daily mean	45	Jul 12	16	Sep 30	12	Jan 2, 1940
Annual seven-day minimum	48	Jul 7	18	Sep 24	18	Oct 21, 1998
Maximum peak flow			516	Mar 2	5,080	Mar 6, 1963
Maximum peak stage			3.75	Mar 2	8.08	Mar 6, 1963
Instantaneous low flow			16	Sep 30	^b 9.0	Jan 2, 1940
Annual runoff (cfsm)	2.16		1.44		2.25	
Annual runoff (inches)	29.29		19.53		30.56	
10 percent exceeds	163		113		203	
50 percent exceeds	95		69		82	
90 percent exceeds	56		24		34	

^a See Period of Record.

^b See Remarks.

