

TENNESSEE RIVER BASIN

03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC

LOCATION.--Lat 35°40'02", long 83°04'22", Haywood County, Hydrologic Unit 06010106, in Great Smoky Mountains National Park, on left bank 20 ft downstream of bridge on State 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 mi<sup>2</sup>.

WATER-DISCHARGE 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.--No estimated daily discharges. Records good. Minimum discharge for period of record also occurred Jan. 2, 1940, and Dec. 17, 24, 1943, result of freezeup. Minimum discharge for current water year also occurred Sept. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	34	36	140	118	82	323	210	67	40	40	32
2	40	34	34	152	106	63	262	155	64	37	41	31
3	39	34	33	101	100	71	217	183	62	44	38	31
4	38	34	32	66	94	55	185	307	62	47	37	30
5	37	33	32	75	87	84	166	280	63	41	36	30
6	40	33	32	91	98	57	152	216	68	35	35	29
7	37	33	32	80	118	55	140	182	69	35	34	28
8	36	33	35	66	97	55	130	159	57	36	33	28
9	36	32	40	68	93	62	150	145	53	41	33	27
10	35	32	62	68	91	60	133	140	51	85	32	26
11	36	32	91	60	89	54	120	125	50	164	32	26
12	37	32	51	48	85	79	116	114	48	125	32	26
13	37	32	68	45	82	74	112	152	49	91	32	26
14	44	33	68	44	79	67	110	125	52	107	32	29
15	38	32	57	44	77	65	112	111	48	89	43	45
16	36	32	51	42	74	84	102	106	45	72	43	36
17	36	32	78	42	72	422	118	101	44	63	42	30
18	36	32	115	46	69	415	110	128	43	59	47	31
19	36	31	83	291	66	313	103	102	42	55	44	30
20	36	31	71	279	78	249	98	98	45	54	38	29
21	36	31	63	192	70	213	96	95	44	51	33	55
22	35	31	59	149	65	182	95	92	40	48	32	74
23	35	31	72	497	62	163	89	89	42	49	32	50
24	35	40	84	518	61	148	87	86	44	51	34	37
25	42	56	66	540	59	134	124	82	40	62	38	49
26	35	38	64	357	60	148	92	81	47	54	38	120
27	34	34	82	251	54	136	90	80	52	47	79	104
28	34	34	65	195	76	122	92	77	59	45	54	73
29	34	33	56	163	---	115	89	72	43	44	38	55
30	34	42	53	141	---	250	84	71	40	41	35	48
31	34	---	84	126	---	328	---	70	---	40	33	---
TOTAL	1138	1021	1849	4977	2280	4405	3897	4034	1533	1852	1190	1265
MEAN	36.71	34.03	59.65	160.5	81.43	142.1	129.9	130.1	51.10	59.74	38.39	42.17
MAX	44	56	115	540	118	422	323	307	69	164	79	120
MIN	34	31	32	42	54	54	84	70	40	35	32	26
CFSM	0.75	0.69	1.21	3.26	1.66	2.89	2.64	2.64	1.04	1.21	0.78	0.86
IN.	0.86	0.77	1.40	3.76	1.72	3.33	2.95	3.05	1.16	1.40	0.90	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2002, BY WATER YEAR (WY)

MEAN	53.08	69.83	110.4	165.0	178.2	202.8	155.9	112.0	84.19	73.12	71.19	53.03
MAX	146	159	302	392	394	496	305	283	252	182	223	123
(WY)	1990	1980	1973	1937	1990	1963	1936	1984	1967	1949	1940	1989
MIN	21.3	22.3	26.0	35.5	49.5	63.2	58.8	46.2	34.7	29.6	26.9	23.5
(WY)	1999	1940	1940	1940	1941	1988	1986	1986	1986	1986	1987	1998

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1934 - 2002

ANNUAL TOTAL	32483	29441		
ANNUAL MEAN	88.99	80.66		110.6
HIGHEST ANNUAL MEAN				171
LOWEST ANNUAL MEAN				51.5
HIGHEST DAILY MEAN	443	Jan 19	540	Jan 25
LOWEST DAILY MEAN	31	Nov 19	26	Sep 10
ANNUAL SEVEN-DAY MINIMUM	31	Nov 17	27	Sep 7
MAXIMUM PEAK FLOW			897	Mar 17
MAXIMUM PEAK STAGE			4.42	Mar 17
INSTANTANEOUS LOW FLOW			25*	Sep 11
ANNUAL RUNOFF (CFSM)	1.81		1.64	
ANNUAL RUNOFF (INCHES)	24.56		22.26	
10 PERCENT EXCEEDS	154		151	204
50 PERCENT EXCEEDS	71		56	81
90 PERCENT EXCEEDS	34		32	34

@ See PERIOD OF RECORD.  
\* See REMARKS.

03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC--Continued

