

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 mi².

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 sea level (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 Jan. 2, 1940, and Dec. 17, 24, 1943, result of freezeup. Minimum discharge for current water year, result of freezeup.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	31	49	e58	77	175	188	83	116	249	146	85
2	46	31	49	e57	74	158	164	82	97	126	124	76
3	42	31	48	e57	70	159	180	76	92	120	111	94
4	40	31	47	e55	68	166	177	73	87	111	171	80
5	38	33	45	e55	67	145	164	71	81	103	140	70
6	37	31	44	e55	64	136	155	107	82	90	130	65
7	36	33	44	55	62	127	145	98	79	82	118	62
8	35	38	44	e53	60	120	135	84	106	77	109	59
9	35	255	43	e52	58	114	127	80	85	146	101	57
10	34	139	43	54	84	107	120	79	77	105	129	56
11	34	79	43	e51	62	103	113	77	73	90	137	54
12	33	66	45	e49	67	115	109	78	70	82	128	51
13	34	59	41	e49	67	126	198	70	67	75	136	50
14	34	55	107	47	101	110	149	66	65	69	121	49
15	33	51	64	e48	137	145	167	64	67	65	107	48
16	33	50	114	e46	207	133	153	63	71	62	98	46
17	33	67	248	46	378	128	146	61	60	60	93	45
18	33	51	151	89	256	121	137	59	57	58	87	44
19	32	51	125	443	197	115	128	60	55	60	82	45
20	32	49	106	394	167	123	120	63	53	80	78	52
21	33	46	e100	231	147	128	114	58	52	66	73	45
22	32	e45	e93	171	166	139	108	91	71	55	69	42
23	32	46	e86	141	138	149	104	69	65	52	66	41
24	32	47	e77	122	130	152	103	60	51	50	92	106
25	33	82	e74	108	311	147	98	287	51	88	67	54
26	33	62	e70	e106	312	135	92	148	69	133	68	46
27	33	56	68	93	243	124	89	115	55	77	69	44
28	32	54	65	85	204	117	86	107	56	72	65	42
29	33	52	60	82	---	159	83	98	60	377	71	41
30	32	51	e60	109	---	173	83	88	213	318	75	41
31	32	---	e58	84	---	185	---	84	---	187	69	---
TOTAL	1081	1772	2311	3145	3974	4234	3935	2699	2283	3385	3130	1690
MEAN	34.9	59.1	74.5	101	142	137	131	87.1	76.1	109	101	56.3
MAX	50	255	248	443	378	185	287	213	377	171	171	106
MIN	32	31	41	46	58	103	83	58	51	50	65	41
CFSM	.71	1.20	1.52	2.06	2.88	2.78	2.67	1.77	1.55	2.22	2.05	1.14
IN.	.82	1.34	1.75	2.38	3.00	3.20	2.98	2.04	1.73	2.56	2.37	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2001,[®] BY WATER YEAR (WY)

	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	53.4	70.5	111	165	180	204	156	112	84.8	73.3	71.8	53.2																																																								
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 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1934 - 2001 [®]
ANNUAL TOTAL	30470	33639	
ANNUAL MEAN	83.3	92.2	111
HIGHEST ANNUAL MEAN			171
LOWEST ANNUAL MEAN			51.5
HIGHEST DAILY MEAN	806	Apr 4	2690
LOWEST DAILY MEAN	24	Sep 18	12
ANNUAL SEVEN-DAY MINIMUM	25	Sep 14	18
MAXIMUM PEAK FLOW			5080
MAXIMUM PEAK STAGE			4.28
INSTANTANEOUS LOW FLOW			30*
ANNUAL RUNOFF (CFSM)	1.69	1.87	2.26
ANNUAL RUNOFF (INCHES)	23.04	25.43	30.68
10 PERCENT EXCEEDS	151	158	204
50 PERCENT EXCEEDS	62	74	81
90 PERCENT EXCEEDS	33	41	34

e Estimated.

[®] See PERIOD OF RECORD.

* See REMARKS.

03460000 CATALOCHEE CREEK NEAR CATALOCHEE, NC--Continued

