

03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC

LOCATION.--Lat 35°40'03", long 83°04'25", 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 NGVD of 1929 (levels by Tennessee Valley Authority). Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. 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. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	66	343	103	e93	135	136	131	96	82	95	92
2	152	66	268	100	e91	123	221	126	132	76	87	82
3	141	89	229	98	e109	117	187	121	94	80	79	75
4	130	238	199	96	e93	113	187	115	90	76	77	69
5	120	161	175	93	e91	118	187	113	89	76	78	65
6	111	129	192	100	e91	109	179	109	97	73	73	62
7	105	114	226	93	e90	114	173	103	93	311	79	60
8	100	105	207	131	e91	342	162	99	99	189	92	57
9	96	97	355	105	e91	242	148	96	92	139	81	55
10	93	93	443	99	e91	203	136	113	94	119	75	e53
11	90	90	390	99	e88	180	127	102	91	117	68	e51
12	87	153	322	96	e87	163	128	100	130	105	65	e49
13	92	129	268	123	e92	151	175	98	191	105	67	48
14	84	117	225	212	e131	154	229	94	137	98	70	47
15	82	112	196	156	e146	138	191	103	120	95	63	46
16	77	108	178	145	e144	145	171	94	109	99	73	54
17	75	103	164	132	e135	142	157	90	102	99	79	49
18	73	99	152	e123	e130	131	146	87	100	97	137	45
19	115	95	144	e112	e128	126	137	85	95	114	113	43
20	84	93	136	107	e140	121	128	203	108	176	92	43
21	77	88	133	e104	e340	116	122	138	94	147	81	42
22	73	85	122	e100	e299	120	125	122	87	130	74	41
23	71	120	181	e99	e199	161	141	114	88	112	69	40
24	74	415	139	e154	e189	135	123	108	80	101	65	40
25	69	477	131	e101	161	131	115	102	76	93	62	39
26	67	324	127	e97	146	127	117	97	77	87	61	52
27	71	252	120	e96	137	127	120	93	82	81	60	48
28	67	219	116	e92	152	191	115	93	88	85	65	41
29	86	183	113	e98	---	158	126	88	93	100	68	48
30	72	170	111	e100	---	150	137	85	82	80	161	42
31	68	---	107	e95	---	143	---	82	---	114	116	---
TOTAL	2,869	4,590	6,212	3,459	3,775	4,626	4,546	3,304	3,006	3,456	2,525	1,578
MEAN	92.5	153	200	112	135	149	152	107	100	111	81.5	52.6
MAX	167	477	443	212	340	342	229	203	191	311	161	92
MIN	67	66	107	92	87	109	115	82	76	73	60	39
CFSM	1.88	3.11	4.07	2.27	2.74	3.03	3.08	2.17	2.04	2.27	1.66	1.07
IN.	2.17	3.47	4.70	2.62	2.85	3.50	3.44	2.50	2.27	2.61	1.91	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2005, @ BY WATER YEAR (WY)

MEAN	53.5	72.3	113	162	178	201	156	114	85.0	74.9	71.6	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	23.5
(WY)	(1999)	(1940)	(1940)	(1940)	(1941)	(1988)	(1986)	(1986)	(1986)	(1986)	(1987)	(1998)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1934 - 2005 [@]	
ANNUAL TOTAL	52,400		43,946		112	
ANNUAL MEAN	143		120		51.5	
HIGHEST ANNUAL MEAN					171	1994
LOWEST ANNUAL MEAN					51.5	1986
HIGHEST DAILY MEAN	1,900	Sep 17	477	Nov 25	2,690	Mar 16, 1973
LOWEST DAILY MEAN	55	Jul 23	39	Sep 25	12	Jan 2, 1940
ANNUAL SEVEN-DAY MINIMUM	61	Jul 19	41	Sep 19	18	Oct 21, 1998
MAXIMUM PEAK FLOW			734	Nov 24	5,080	Mar 6, 1963
MAXIMUM PEAK STAGE			4.16	Nov 24	8.08	Mar 6, 1963
INSTANTANEOUS LOW FLOW			37*	Sep 25	9.4*	Jan 2, 1940
ANNUAL RUNOFF (CFSM)	2.91		2.45		2.27	
ANNUAL RUNOFF (INCHES)	39.62		33.23		30.80	
10 PERCENT EXCEEDS	227		188		204	
50 PERCENT EXCEEDS	106		103		82	
90 PERCENT EXCEEDS	72		67		34	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.

