

## 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.--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 Oct. 28.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	71	71	155	112	270	104	111	93	99	89	51
2	42	62	69	129	105	246	108	119	88	386	83	48
3	39	57	67	150	100	217	102	107	90	180	80	51
4	37	54	92	126	226	195	99	100	93	150	81	155
5	37	75	266	123	177	181	133	247	82	145	90	86
6	36	126	178	117	159	493	121	1,960	78	132	81	69
7	52	95	144	109	145	356	189	1,280	199	135	75	63
8	39	85	126	107	126	281	201	808	137	116	73	66
9	35	77	115	103	117	241	334	537	108	129	89	59
10	35	74	114	99	117	211	415	396	99	127	98	57
11	47	172	148	93	106	189	464	322	94	153	82	54
12	39	191	118	90	100	172	413	258	100	124	77	51
13	40	163	140	e86	95	161	365	219	90	136	94	50
14	36	132	137	e83	183	149	307	194	86	134	90	49
15	37	121	125	e81	478	140	257	183	86	131	79	53
16	67	212	119	e79	448	155	223	168	97	119	80	48
17	45	190	111	e77	387	134	203	150	108	114	83	46
18	40	156	105	104	289	128	215	140	136	113	76	44
19	37	134	108	e84	236	128	179	130	126	108	68	43
20	36	118	444	e83	206	142	164	126	110	97	65	43
21	37	141	253	90	201	128	193	148	100	99	66	41
22	37	124	203	76	838	122	171	193	95	115	67	180
23	33	114	168	e70	633	118	161	152	89	100	63	130
24	33	107	350	e68	419	114	154	136	84	90	58	75
25	33	99	379	e68	328	109	148	127	80	84	56	66
26	35	94	291	e70	298	108	142	120	76	80	55	61
27	33	97	234	e74	304	104	131	112	76	78	54	66
28	52	84	197	e75	298	100	124	106	73	74	55	67
29	71	80	172	136	---	98	117	111	70	87	53	55
30	137	78	152	126	---	106	116	103	74	81	52	53
31	88	---	138	118	---	98	---	104	---	83	69	---
TOTAL	1,409	3,383	5,334	3,049	7,231	5,394	6,053	8,967	2,917	3,799	2,281	1,980
MEAN	45.5	113	172	98.4	258	174	202	289	97.2	123	73.6	66.0
MAX	137	212	444	155	838	493	464	1,960	199	386	98	180
MIN	33	54	67	68	95	98	99	100	70	74	52	41
CFSM	0.92	2.29	3.50	2.00	5.25	3.54	4.10	5.88	1.98	2.49	1.50	1.34
IN.	1.07	2.56	4.03	2.31	5.47	4.08	4.58	6.78	2.21	2.87	1.72	1.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2003,<sup>@</sup> BY WATER YEAR (WY)

MEAN	53.0	70.6	111	164	180	202	157	115	84.4	73.9	71.2	53.2
MAX	146	159	302	392	394	496	305	289	252	182	223	123
(WY)	(1990)	(1980)	(1973)	(1937)	(1990)	(1963)	(1936)	(2003)	(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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1934 - 2003 <sup>®</sup>	
ANNUAL TOTAL	35,559		51,797		111	
ANNUAL MEAN	97.4		142		171	
HIGHEST ANNUAL MEAN					1986	
LOWEST ANNUAL MEAN					1986	
HIGHEST DAILY MEAN	540	Jan 25	1,960	May 6	2,690	Mar 16, 1973
LOWEST DAILY MEAN	26	Sep 10	33	Oct 23	12	Jan 2, 1940
ANNUAL SEVEN-DAY MINIMUM	27	Sep 7	34	Oct 21	18	Oct 21, 1998
MAXIMUM PEAK FLOW			3,690	May 6	5,080	Mar 6, 1963
MAXIMUM PEAK STAGE			7.14	May 6	8.08	Mar 6, 1963
INSTANTANEOUS LOW FLOW			32*	Oct 27	9.4*	Jan 2, 1940
ANNUAL RUNOFF (CFSM)	1.98		2.88		2.26	
ANNUAL RUNOFF (INCHES)	26.89		39.16		30.68	
10 PERCENT EXCEEDS	184		249		205	
50 PERCENT EXCEEDS	72		107		81	
90 PERCENT EXCEEDS	35		51		34	

e Estimated.  
<sup>®</sup> See PERIOD OF RECORD.  
 \* See REMARKS.

