

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 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. 22-26, Nov 4.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	40	129	117	94	87	104	91	143	112	106	66
2	50	40	114	113	107	134	99	111	109	109	107	84
3	49	40	105	111	145	126	96	97	98	158	116	69
4	48	39	116	109	116	115	92	90	93	134	98	64
5	47	51	111	320	112	111	88	88	87	119	101	62
6	47	73	100	293	510	371	86	85	82	132	100	61
7	47	64	94	219	452	272	84	82	79	107	86	407
8	45	53	91	186	288	215	83	88	77	99	80	1,590
9	48	49	88	167	224	185	80	99	84	92	76	738
10	49	48	146	145	191	166	77	89	99	99	73	445
11	46	46	136	131	166	149	79	84	80	92	81	323
12	44	45	125	122	165	137	82	80	82	84	126	242
13	43	47	120	114	144	126	250	86	111	79	91	197
14	44	44	144	107	135	118	162	79	107	87	83	168
15	48	43	123	103	143	124	138	73	91	73	78	148
16	42	43	118	97	132	174	125	74	101	68	76	223
17	41	47	160	94	124	140	116	93	110	68	72	1,900
18	41	50	139	121	117	191	109	102	105	78	69	948
19	40	530	137	98	113	205	104	98	90	65	65	565
20	40	213	125	e90	111	194	100	89	82	62	63	391
21	40	149	125	e90	113	186	96	81	85	58	79	297
22	39	121	111	87	105	163	92	79	91	56	70	238
23	39	105	109	e84	101	150	89	84	92	55	75	202
24	39	135	167	83	100	140	86	70	97	60	72	176
25	39	109	140	120	97	130	83	66	141	70	77	157
26	48	102	132	124	96	122	156	63	200	79	98	142
27	74	103	123	116	95	116	107	73	151	265	75	142
28	51	182	116	108	91	111	97	63	130	132	70	385
29	45	171	111	107	89	105	94	60	113	110	70	216
30	43	147	154	103	---	112	91	72	107	111	75	186
31	42	---	122	e96	---	112	---	318	---	100	69	---
TOTAL	1,410	2,929	3,831	3,975	4,476	4,787	3,145	2,807	3,117	3,013	2,577	10,832
MEAN	45.5	97.6	124	128	154	154	105	90.5	104	97.2	83.1	361
MAX	74	530	167	320	510	371	250	318	200	265	126	1,900
MIN	39	39	88	83	89	87	77	60	77	55	63	61
CFSM	0.92	1.98	2.51	2.61	3.14	3.14	2.13	1.84	2.11	1.98	1.69	7.34
IN.	1.07	2.21	2.90	3.01	3.38	3.62	2.38	2.12	2.36	2.28	1.95	8.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2004, @ BY WATER YEAR (WY)

MEAN	52.8	71.0	112	163	179	201	156	115	84.7	74.3	71.4	58.3
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1934 - 2004 <sup>@</sup>	
ANNUAL TOTAL	49,841		46,899		111	
ANNUAL MEAN	137		128		51.5	
HIGHEST ANNUAL MEAN					171	1994
LOWEST ANNUAL MEAN					51.5	1986
HIGHEST DAILY MEAN	1,960	May 6	1,900	Sep 17	2,690	Mar 16, 1973
LOWEST DAILY MEAN	39	Oct 22	39	Oct 22	12	Jan 2, 1940
ANNUAL SEVEN-DAY MINIMUM	39	Oct 19	39	Oct 19	18	Oct 21, 1998
MAXIMUM PEAK FLOW			2,680	Sep 8	5,080	Mar 6, 1963
MAXIMUM PEAK STAGE			6.36	Sep 8	8.08	Mar 6, 1963
INSTANTANEOUS LOW FLOW			39*	Oct 22	9.4*	Jan 2, 1940
ANNUAL RUNOFF (CFSM)	2.78		2.60		2.26	
ANNUAL RUNOFF (INCHES)	37.68		35.46		30.76	
10 PERCENT EXCEEDS	224		191		205	
50 PERCENT EXCEEDS	105		100		82	
90 PERCENT EXCEEDS	47		48		34	

<sup>@</sup> See PERIOD OF RECORD.

\* See REMARKS.

e Estimated.

