

Water-Data Report 2010

**03460000 CATALOOCHEE CREEK NEAR CATALOOCHEE, NC**

French Broad-Holston Basin  
Pigeon Subbasin

LOCATION.--Lat 35°40'03", long 83°04'25" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, in Great Smoky Mountains National Park, on left bank 20 ft downstream of bridge on North Carolina 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>.

**SURFACE-WATER 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 National Geodetic Vertical Datum of 1929 (levels by Tennessee Valley Authority). Satellite telemetry at streamgage.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minimum discharge for period of record also occurred Dec. 17, 24, 1943, result of freezeup. Minimum discharge for current water year also occurred September 22, 24, 25.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	106	276	104	161	164	97	116	144	74	36	42	38
2	95	217	192	141	198	98	112	134	81	35	36	37
3	86	184	202	e126	178	94	107	411	69	35	34	36
4	78	160	173	e115	170	89	102	302	61	34	36	37
5	120	143	161	e106	581	85	98	238	63	32	107	34
6	84	129	145	e99	669	83	93	201	61	31	111	33
7	83	121	136	e94	424	82	89	176	58	30	69	32
8	73	114	145	e90	326	84	190	157	53	29	57	36
9	71	106	1,130	e87	285	87	173	140	55	32	51	35
10	86	204	497	e85	244	94	146	130	62	38	54	31
11	72	844	324	e84	213	112	135	124	63	30	61	60
12	72	485	251	e83	195	142	125	117	57	85	52	72
13	70	344	285	e82	177	196	117	108	54	46	53	36
14	116	274	239	e81	164	173	110	101	49	45	62	33
15	127	229	222	81	156	158	104	130	77	34	58	31
16	123	197	200	79	140	145	99	116	70	58	54	30
17	116	176	182	167	131	138	95	107	54	91	63	33
18	111	226	187	138	124	132	90	98	49	55	58	30
19	103	181	169	122	118	125	87	91	47	62	85	29
20	99	167	150	132	113	121	90	86	44	62	62	28
21	92	156	137	177	111	123	92	84	42	63	97	28
22	87	148	129	193	132	154	81	82	41	48	94	29
23	86	140	125	176	125	131	78	77	45	42	72	30
24	105	130	124	351	119	123	107	74	46	39	63	27
25	87	123	558	823	113	120	274	72	62	50	57	37
26	86	117	447	469	112	126	181	70	42	63	53	95
27	149	111	312	337	105	115	188	68	46	57	50	74
28	178	106	251	269	101	135	182	66	44	51	48	59
29	143	102	209	229	---	143	168	65	41	49	44	44
30	132	121	185	229	---	126	156	64	38	44	42	88
31	162	---	179	181	---	120	---	73	---	44	40	---
<b>Total</b>	3,198	6,031	7,750	5,587	5,688	3,751	3,785	3,906	1,648	1,450	1,865	1,242
<b>Mean</b>	103	201	250	180	203	121	126	126	54.9	46.8	60.2	41.4
<b>Max</b>	178	844	1,130	823	669	196	274	411	81	91	111	95
<b>Min</b>	70	102	104	79	101	82	78	64	38	29	34	27
<b>Cfsm</b>	2.10	4.09	5.08	3.66	4.13	2.46	2.56	2.56	1.12	0.95	1.22	0.84
<b>In.</b>	2.42	4.56	5.86	4.22	4.30	2.84	2.86	2.95	1.25	1.10	1.41	0.94

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2010 <sup>a</sup>, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	53.5	72.8	114	161	175	195	153	114	82.9	72.8	70.0	58.3
<b>Max</b>	146	201	302	392	394	496	305	289	252	182	223	361
<b>(WY)</b>	(1990)	(2010)	(1973)	(1937)	(1990)	(1963)	(1936)	(2003)	(1967)	(1949)	(1940)	(2004)
<b>Min</b>	19.0	22.3	26.0	35.5	49.5	63.2	58.8	46.2	34.7	29.6	26.9	21.1
<b>(WY)</b>	(2009)	(1940)	(1940)	(1940)	(1941)	(1988)	(1986)	(1986)	(1986)	(1986)	(1987)	(2008)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1934 - 2010 <sup>a</sup>	
<b>Annual total</b>	44,323		45,901			
<b>Annual mean</b>	121		126		110	
<b>Highest annual mean</b>					171	1994
<b>Lowest annual mean</b>					51.5	1986
<b>Highest daily mean</b>	1,130	Dec 9	1,130	Dec 9	2,690	Mar 16, 1973
<b>Lowest daily mean</b>	28	Sep 5	27	Sep 24	12	Jan 2, 1940
<b>Annual seven-day minimum</b>	31	Sep 2	29	Sep 18	15	Aug 18, 2008
<b>Maximum peak flow</b>			2,220	Dec 9	5,080	Mar 6, 1963
<b>Maximum peak stage</b>			5.96	Dec 9	8.08	Mar 6, 1963
<b>Instantaneous low flow</b>			<sup>b</sup> 26	Sep 21	<sup>b</sup> 9.0	Jan 2, 1940
<b>Annual runoff (cfsm)</b>	2.47		2.56		2.24	
<b>Annual runoff (inches)</b>	33.51		34.71		30.39	
<b>10 percent exceeds</b>	203		215		201	
<b>50 percent exceeds</b>	98		99		82	
<b>90 percent exceeds</b>	40		38		34	

<sup>a</sup> See Period of Record.

<sup>b</sup> See Remarks.

