

03548330 BRASSTOWN CREEK NEAR BRASSTOWN, NC

LOCATION.--Lat 35°02'24", long 83°57'33", Clay County, Hydrologic Unit 06020002, on right bank 20 ft upstream from bridge on Secondary Road 1134, 0.1 mi northwest of Brasstown, and 0.8 mi above mouth.

DRAINAGE AREA.--83.1 mi<sup>2</sup>.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1947, 1953-55, 1960-64, 1988. July 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,581.70 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Minimum discharge for period of record also occurred Sept. 20, 2000. 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	97	84	200	122	109	214	290	182	132	172	178	119
2	92	122	155	120	117	188	420	161	159	179	142	106
3	92	685	143	119	163	176	326	152	126	128	124	99
4	87	537	134	117	133	166	272	146	118	189	122	93
5	83	274	128	116	123	162	241	145	113	152	121	88
6	80	182	1,340	122	118	153	219	145	148	129	115	85
7	78	146	1,010	117	115	158	258	138	159	441	225	83
8	76	128	416	120	113	330	299	134	140	244	275	81
9	75	115	453	114	113	208	254	131	139	170	201	79
10	75	108	395	112	111	187	226	129	123	144	179	77
11	74	108	348	111	106	174	211	127	119	283	161	74
12	74	350	275	110	105	164	208	123	468	635	139	73
13	97	207	235	188	110	156	235	129	533	309	142	72
14	81	158	204	403	192	172	236	122	264	277	139	71
15	77	138	186	191	147	153	202	145	188	266	123	69
16	73	128	174	160	136	190	188	133	155	198	115	79
17	71	120	166	143	127	194	180	124	137	173	110	78
18	71	115	159	132	120	178	175	120	130	156	172	72
19	119	110	153	128	116	166	170	117	136	144	150	69
20	98	107	144	126	150	158	165	264	137	140	110	68
21	83	104	140	124	1,460	152	161	184	138	131	101	66
22	79	104	139	120	677	181	171	144	120	125	99	65
23	75	122	209	114	334	389	171	133	112	119	97	65
24	76	669	169	111	315	252	160	125	107	114	124	63
25	74	408	154	113	241	216	153	118	103	110	118	61
26	72	241	145	113	208	194	155	114	103	107	97	70
27	71	192	137	109	190	199	165	111	112	103	93	75
28	77	174	133	104	251	335	150	110	162	103	89	67
29	84	151	130	119	---	253	149	109	149	337	95	67
30	78	140	128	128	---	220	234	116	146	200	280	67
31	92	---	125	114	---	329	---	111	---	174	158	---
TOTAL	2,531	6,227	8,027	4,140	6,200	6,367	6,444	4,242	4,876	6,152	4,394	2,301
MEAN	81.6	208	259	134	221	205	215	137	163	198	142	76.7
MAX	119	685	1,340	403	1,460	389	420	264	533	635	280	119
MIN	71	84	125	104	105	152	149	109	103	103	89	61
CFSM	0.98	2.50	3.12	1.61	2.66	2.47	2.58	1.65	1.96	2.39	1.71	0.92
IN.	1.13	2.79	3.59	1.85	2.78	2.85	2.88	1.90	2.18	2.75	1.97	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	57.1	103	120	119	151	146	145	169	112	106	70.8	93.9
MAX	81.6	208	259	150	221	205	215	403	163	198	142	226
(WY)	(2005)	(2005)	(2005)	(2002)	(2005)	(2005)	(2005)	(2003)	(2005)	(2005)	(2005)	(2004)
MIN	27.2	41.2	46.8	94.5	98.2	113	88.1	60.3	61.2	47.9	33.1	30.7
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(2004)	(2001)	(2001)	(2002)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1999 - 2005

ANNUAL TOTAL	49,042	61,901	
ANNUAL MEAN	134	170	118
HIGHEST ANNUAL MEAN			170
LOWEST ANNUAL MEAN			72.5
HIGHEST DAILY MEAN	2,430	Sep 17	1,460
LOWEST DAILY MEAN	33	Apr 12	61
ANNUAL SEVEN-DAY MINIMUM	45	Aug 14	65
MAXIMUM PEAK FLOW			4,350
MAXIMUM PEAK STAGE			14.55
INSTANTANEOUS LOW FLOW			58*
ANNUAL RUNOFF (CFSM)	1.61	2.04	1.42
ANNUAL RUNOFF (INCHES)	21.95	27.71	19.36
10 PERCENT EXCEEDS	202	273	194
50 PERCENT EXCEEDS	92	136	92
90 PERCENT EXCEEDS	57	78	43

\* See REMARKS.

03548330 BRASSTOWN CREEK NEAR BRASSTOWN, NC—Continued

