

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 mi².

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.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred Oct. 15. Minimum discharge for period of record also occurred Sept. 20, 2000.

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	59	65	71	152	154	253	109	237	144	342	137	100
2	55	60	69	136	135	217	107	344	138	506	110	88
3	52	58	69	151	124	191	105	196	146	226	108	84
4	49	62	76	133	190	175	105	164	147	165	106	103
5	52	82	211	125	152	167	189	275	132	146	121	91
6	48	108	127	117	141	485	150	1,690	128	158	111	82
7	50	81	106	110	201	272	167	2,540	235	201	104	81
8	48	72	96	107	164	220	164	814	182	159	98	83
9	45	67	89	105	146	196	199	442	146	136	93	79
10	45	65	90	111	157	179	251	329	133	140	101	78
11	58	140	116	100	141	168	233	335	129	162	100	83
12	51	154	96	96	131	159	189	265	134	128	92	76
13	46	122	112	94	123	152	165	225	140	181	97	72
14	44	98	119	92	159	148	149	207	131	227	93	72
15	45	91	106	90	218	145	139	203	125	170	95	76
16	103	200	99	90	183	141	134	189	121	344	160	71
17	65	159	92	90	186	144	139	175	121	288	101	69
18	56	119	87	90	194	142	177	173	231	164	93	67
19	52	108	89	86	181	141	141	163	192	140	89	64
20	51	98	184	85	156	153	132	155	144	127	90	63
21	53	197	128	94	144	142	187	219	126	118	89	62
22	50	153	115	95	587	133	164	1,170	117	201	100	262
23	47	121	104	88	340	129	145	436	112	154	87	220
24	46	105	514	e85	235	125	139	282	107	123	83	111
25	46	95	280	83	199	121	144	231	104	113	80	94
26	47	89	187	83	226	120	157	206	102	107	77	87
27	46	87	156	79	388	117	134	187	102	105	76	97
28	60	80	138	78	329	114	126	173	102	102	90	102
29	83	77	126	260	---	115	120	168	98	99	86	84
30	107	75	117	279	---	122	201	159	118	97	107	81
31	74	---	112	185	---	112	---	152	---	115	125	---
TOTAL	1,733	3,088	4,081	3,569	5,684	5,198	4,661	12,504	4,087	5,444	3,099	2,782
MEAN	55.9	103	132	115	203	168	155	403	136	176	100	92.7
MAX	107	200	514	279	587	485	251	2,540	235	506	160	262
MIN	44	58	69	78	123	112	105	152	98	97	76	62
CFSM	0.67	1.24	1.58	1.39	2.44	2.02	1.87	4.85	1.64	2.11	1.20	1.12
IN.	0.78	1.38	1.83	1.60	2.54	2.33	2.09	5.60	1.83	2.44	1.39	1.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	43.2	65.8	78.0	120	134	138	121	204	95.5	87.9	56.4	65.1
MAX	55.9	103	132	150	203	168	155	403	136	176	100	92.7
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	27.2	41.2	46.8	94.5	98.2	121	88.1	60.3	61.2	47.9	33.1	30.7
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(2002)	(2001)	(2001)	(2002)	(2000)	(2000)	(2000)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	35,275		55,930		103	
ANNUAL MEAN	96.6		153		72.5	
HIGHEST ANNUAL MEAN					153	2003
LOWEST ANNUAL MEAN					72.5	2001
HIGHEST DAILY MEAN	943	May 4	2,540	May 7	2,540	May 7, 2003
LOWEST DAILY MEAN	23	Aug 14	44	Oct 14	18	Sep 16, 2000
ANNUAL SEVEN-DAY MINIMUM	25	Aug 9	48	Oct 9	19	Sep 14, 2000
MAXIMUM PEAK FLOW			4,570	May 7	4,570	May 7, 2003
MAXIMUM PEAK STAGE			14.94	May 7	14.94	May 7, 2003
INSTANTANEOUS LOW FLOW			43*	Oct 14	17*	Sep 16, 2000
ANNUAL RUNOFF (CFSM)	1.16		1.84		1.24	
ANNUAL RUNOFF (INCHES)	15.79		25.04		16.90	
10 PERCENT EXCEEDS	157		226		180	
50 PERCENT EXCEEDS	79		121		80	
90 PERCENT EXCEEDS	38		67		39	

e Estimated.
 * See REMARKS.

