

TENNESSEE RIVER BASIN

03548330 BRASSTOWN CREEK NEAR BRASSTOWN, NC

LOCATION.--Lat 35°02'24", long 83°57'34", 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. Elevation of gage is 1,600 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record from rating curve extended above 1,400 ft³/s by logarithmic plotting. Minimum discharge for current water year also occurred Aug. 15, Sept. 13. Minimum discharge for period of record also occurred Sept. 20, 2000.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	41	47	45	111	74	334	222	68	48	37	39
2	48	42	43	44	101	84	229	146	65	51	45	36
3	46	42	42	45	96	99	183	169	62	51	42	52
4	43	41	41	45	92	83	158	943	68	47	35	39
5	43	39	39	45	86	78	142	363	131	44	34	35
6	52	38	39	58	108	77	131	215	120	40	32	32
7	48	38	39	59	183	76	123	170	82	38	30	30
8	44	38	39	50	147	75	118	146	73	37	28	29
9	42	38	40	48	129	78	117	132	67	36	27	28
10	42	38	54	47	120	79	133	132	64	39	26	26
11	41	38	81	48	111	74	115	124	61	83	26	25
12	44	37	55	46	106	100	111	112	59	205	25	24
13	44	37	61	45	101	103	112	122	57	192	24	24
14	71	37	75	45	96	93	110	115	58	201	23	32
15	61	37	63	44	93	88	108	102	60	133	27	62
16	51	37	56	43	91	99	102	96	56	79	44	38
17	48	36	69	42	88	92	98	94	54	65	44	33
18	46	36	104	44	85	89	97	119	51	57	42	39
19	45	36	72	297	83	86	94	93	50	53	37	42
20	45	37	63	254	89	93	91	87	48	51	32	36
21	44	35	57	221	87	153	89	85	49	48	29	105
22	44	35	53	159	83	126	87	82	45	45	28	145
23	43	37	57	384	80	111	83	79	45	44	27	76
24	42	49	71	576	79	103	82	76	47	43	27	56
25	59	86	59	894	77	97	109	74	50	64	42	82
26	45	53	55	292	78	118	89	72	48	69	45	206
27	42	44	53	201	76	130	86	101	47	50	99	204
28	42	42	51	163	74	111	85	105	46	45	105	118
29	42	40	50	141	---	104	81	82	52	42	104	81
30	41	51	48	124	---	483	77	74	53	39	62	67
31	41	---	46	113	---	502	---	71	---	38	44	---
TOTAL	1440	1235	1722	4662	2750	3758	3574	4603	1836	2077	1272	1841
MEAN	46.45	41.17	55.55	150.4	98.21	121.2	119.1	148.5	61.20	67.00	41.03	61.37
MAX	71	86	104	894	183	502	334	943	131	205	105	206
MIN	41	35	39	42	74	74	77	71	45	36	23	24
CFSM	0.56	0.50	0.67	1.81	1.18	1.46	1.43	1.79	0.74	0.81	0.49	0.74
IN.	0.64	0.55	0.77	2.09	1.23	1.68	1.60	2.06	0.82	0.93	0.57	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
MEAN	36.82	47.23	51.18	122.4	99.71	123.2	103.6	104.4	75.15	58.61	41.92	55.87
MAX	46.5	53.3	55.5	150	101	125	119	148	89.1	67.0	51.6	75.6
(WY)	2002	2001	2002	2002	2001	2001	2002	2002	2001	2002	2001	2001
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

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1999 - 2002	
ANNUAL TOTAL	26980		30770			
ANNUAL MEAN	73.92		84.30		78.42	
HIGHEST ANNUAL MEAN					84.3	
LOWEST ANNUAL MEAN					72.5	
HIGHEST DAILY MEAN	626	Jan 19	943	May 4	943	May 4 2002
LOWEST DAILY MEAN	35	Nov 21	23	Aug 14	18	Sep 16 2000
ANNUAL SEVEN-DAY MINIMUM	36	Nov 16	25	Aug 9	19	Sep 14 2000
MAXIMUM PEAK FLOW			2030		2030	
MAXIMUM PEAK STAGE			9.81		9.81	
INSTANTANEOUS LOW FLOW			22*		17*	
ANNUAL RUNOFF (CFSM)	0.89		1.01		0.94	
ANNUAL RUNOFF (INCHES)	12.08		13.77		12.82	
10 PERCENT EXCEEDS	116		133		129	
50 PERCENT EXCEEDS	59		59		58	
90 PERCENT EXCEEDS	40		37		36	

* See REMARKS.

03548330 BRASSTOWN CREEK NEAR BRASSTOWN, NC--Continued

