

Water-Data Report 2007

**03548330 BRASSTOWN CREEK NEAR BRASSTOWN, NC**

Middle Tennessee-Hiwassee Basin  
Hiwassee Subbasin

LOCATION.--Lat 35°02'24", long 83°57'33" referenced to North American Datum of 1983, Clay County, NC, 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>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1947, 1953-55, 1960-64, 1988. July 2000 to September 2007 (discontinued).

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

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record also occurred September 7-11, 2007.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	60	81	266	86	107	83	55	29	27	35	18
2	49	60	72	136	97	218	90	53	31	36	43	16
3	47	56	67	107	85	130	73	53	31	32	35	15
4	47	55	64	94	79	108	100	52	30	29	51	14
5	46	55	63	126	76	97	85	65	28	25	31	13
6	46	54	62	181	73	90	78	62	27	24	32	12
7	44	64	60	165	e72	86	75	54	26	26	28	11
8	44	82	58	292	e71	83	72	51	27	32	26	12
9	44	66	57	171	71	79	71	50	30	84	23	12
10	43	61	58	134	69	77	70	49	26	68	22	12
11	44	68	57	114	68	76	70	50	25	86	21	13
12	49	70	57	104	68	73	71	51	34	65	19	16
13	43	62	60	97	73	72	66	49	26	41	19	14
14	42	60	58	92	87	71	66	45	26	38	18	59
15	42	261	57	88	75	70	74	43	41	35	17	52
16	43	405	56	90	71	157	68	44	29	33	16	25
17	224	158	55	82	69	108	65	47	26	34	15	22
18	107	112	54	82	70	92	64	43	30	35	15	20
19	74	95	54	82	68	86	64	41	67	32	14	18
20	109	85	54	77	68	83	62	40	92	32	14	18
21	73	78	54	109	71	80	61	39	39	31	14	18
22	67	74	96	167	70	78	60	37	33	28	13	18
23	62	71	84	114	66	76	59	36	30	32	14	17
24	58	68	69	102	65	74	62	35	28	35	21	16
25	56	66	78	94	93	72	62	34	33	41	26	15
26	55	64	80	88	82	70	62	34	33	37	18	15
27	78	63	75	85	75	69	66	34	30	32	17	16
28	93	63	70	84	72	68	59	32	30	36	16	16
29	72	62	67	78	---	69	58	31	36	49	16	15
30	65	69	66	77	---	68	56	30	30	33	16	14
31	62	---	135	75	---	67	---	29	---	30	20	---
<b>Total</b>	1,980	2,667	2,078	3,653	2,090	2,754	2,072	1,368	1,003	1,198	685	552
<b>Mean</b>	63.9	88.9	67.0	118	74.6	88.8	69.1	44.1	33.4	38.6	22.1	18.4
<b>Max</b>	224	405	135	292	97	218	100	65	92	86	51	59
<b>Min</b>	42	54	54	75	65	67	56	29	25	24	13	11
<b>Cfsm</b>	0.77	1.07	0.81	1.42	0.90	1.07	0.83	0.53	0.40	0.47	0.27	0.22
<b>In.</b>	0.89	1.19	0.93	1.64	0.94	1.23	0.93	0.61	0.45	0.54	0.31	0.25

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	59.4	98.5	115	128	138	134	134	142	98.5	92.3	61.7	79.8
<b>Max</b>	81.6	208	259	184	221	205	215	403	163	198	142	226
<b>(WY)</b>	(2005)	(2005)	(2005)	(2006)	(2005)	(2005)	(2005)	(2003)	(2005)	(2005)	(2005)	(2004)
<b>Min</b>	27.2	41.2	46.8	94.5	74.6	88.8	69.1	44.1	33.4	38.6	22.1	18.4
<b>(WY)</b>	(2001)	(2002)	(2001)	(2001)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1999 - 2007	
Annual total	35,413		22,100			
Annual mean	97.0		60.5		108	
Highest annual mean					170	2005
Lowest annual mean					60.5	2007
Highest daily mean	634	Jan 18	405	Nov 16	2,540	May 7, 2003
Lowest daily mean	32	Aug 10	11	Sep 7	11	Sep 7, 2007
Annual seven-day minimum	35	Aug 4	12	Sep 5	12	Sep 5, 2007
Maximum peak flow			997	Nov 15	4,570	May 7, 2003
Maximum peak stage			7.59	Nov 15	14.94	May 7, 2003
Instantaneous low flow			<sup>a</sup> 11	Sep 6	<sup>a</sup> 11	Sep 6, 2007
Annual runoff (cfsm)	1.17		0.729		1.30	
Annual runoff (inches)	15.85		9.89		17.65	
10 percent exceeds	153		94		181	
50 percent exceeds	82		59		85	
90 percent exceeds	44		18		39	

<sup>a</sup> See Remarks.

