

TENNESSEE RIVER BASIN

03447894 BENT CREEK AT BENT CREEK GAP NEAR GLEN BALD, NC

LOCATION.--Lat 35°29'36", long 82°36'39", Buncombe County, Hydrologic Unit 06010105, on left bank at upstream side of stone bridge on Bent Creek Gap Road, 0.75 mi northwest of Glen Bald, and 1.1 mi upstream from mouth.

DRAINAGE AREA.--8.74 mi².

PERIOD OF RECORD.--November 2001 to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 2,080 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges and those above 40 ft³/s, which are poor. Maximum discharge for period of record from rating curve extended above 40 ft³/s by logarithmic plotting. Minimum discharge for current water year also occurred Sept. 12, 13.

DISCHARGE, CUBIC FEET PER SECOND, FOR PERIOD NOVEMBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	e3.0	e4.2	2.5	8.0	4.4	e13	11	e5.1	4.3	2.6	2.5
2	---	e2.9	e3.8	2.5	7.4	7.8	e12	7.5	e4.8	6.0	2.3	2.2
3	---	e2.9	e3.6	e2.4	7.3	9.9	11	7.4	e5.0	6.6	2.3	1.8
4	---	e2.8	e3.5	e2.4	6.8	7.3	9.9	17	5.0	5.1	2.1	1.6
5	---	e2.8	3.3	e2.4	6.4	6.4	9.3	14	9.1	4.3	1.9	1.4
6	---	e2.7	3.3	e5.4	7.3	6.1	8.8	12	7.7	3.8	1.8	1.2
7	---	e2.7	3.1	e5.4	12	6.0	8.5	11	7.1	3.4	1.6	1.1
8	---	2.7	3.1	e4.0	11	5.7	8.3	9.8	5.9	3.1	1.5	1.1
9	---	2.6	2.9	3.9	9.2	5.8	9.5	9.1	5.3	3.0	1.4	0.98
10	---	2.5	4.4	4.0	9.0	5.6	9.6	8.8	4.9	3.7	1.4	0.83
11	---	2.5	8.1	4.0	8.5	5.3	8.5	8.3	4.6	5.6	1.4	0.76
12	---	2.5	5.3	3.7	7.8	6.3	7.9	8.0	4.4	4.1	1.4	0.75
13	---	2.3	3.8	3.5	7.5	11	8.4	8.2	4.3	6.7	1.2	0.84
14	---	2.4	3.7	3.1	7.1	9.3	7.8	8.3	4.3	7.1	1.1	5.0
15	---	2.5	4.2	3.1	6.8	8.2	7.4	7.6	4.3	7.6	1.3	9.3
16	---	2.4	3.7	2.9	6.7	e8.4	7.2	7.2	3.9	6.0	3.6	6.8
17	---	2.4	4.6	2.8	6.4	14	7.4	7.0	3.8	4.6	3.2	4.9
18	---	2.5	7.5	2.9	6.1	16	8.5	8.5	3.6	4.1	2.7	4.3
19	---	2.5	5.6	8.5	6.0	14	7.7	7.3	3.4	3.7	3.0	4.3
20	---	2.5	4.6	15	6.2	13	7.1	7.0	3.3	3.7	2.9	4.9
21	---	2.3	4.2	12	6.2	13	6.5	6.8	3.3	3.8	2.3	9.5
22	---	2.3	3.8	11	5.4	11	6.0	6.6	3.0	3.3	1.8	13
23	---	3.1	3.7	17	5.3	10	5.5	6.4	3.3	3.0	1.7	10
24	---	9.5	3.8	17	5.1	9.3	5.3	6.2	3.7	3.5	1.8	7.3
25	---	14	3.3	e18	5.1	8.5	8.7	6.0	3.4	5.6	2.5	7.6
26	---	6.9	3.1	e15	4.9	9.3	6.4	5.8	8.3	5.2	2.7	16
27	---	5.3	2.9	e13	4.5	9.3	5.8	7.4	14	4.1	4.1	28
28	---	4.5	2.9	e11	4.3	8.3	5.6	7.9	6.6	3.5	3.6	8.6
29	---	4.1	2.8	e10	---	7.8	5.2	6.2	5.4	3.3	2.8	5.7
30	---	4.3	2.7	9.3	---	12	4.7	5.7	4.7	3.0	2.5	4.7
31	---	---	2.5	8.7	---	12	---	e5.4	---	2.6	2.4	---
TOTAL	---	108.4	122.0	226.4	194.3	281.0	237.5	255.4	155.5	137.4	68.9	166.96
MEAN	---	3.613	3.935	7.303	6.939	9.065	7.917	8.239	5.183	4.432	2.223	5.565
MAX	---	14	8.1	18	12	16	13	17	14	7.6	4.1	28
MIN	---	2.3	2.5	2.4	4.3	4.4	4.7	5.4	3.0	2.6	1.1	0.75
CFSM	---	0.41	0.45	0.84	0.79	1.04	0.91	0.94	0.59	0.51	0.25	0.64
IN.	---	0.46	0.52	0.96	0.83	1.20	1.01	1.09	0.66	0.58	0.29	0.71

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

	---	3.613	3.935	7.303	6.939	9.065	7.917	8.239	5.183	4.432	2.223	5.565
MEAN	---	3.613	3.935	7.303	6.939	9.065	7.917	8.239	5.183	4.432	2.223	5.565
MAX	---	3.61	3.94	7.30	6.94	9.06	7.92	8.24	5.18	4.43	2.22	5.57
(WY)	---	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	---	3.61	3.94	7.30	6.94	9.06	7.92	8.24	5.18	4.43	2.22	5.57
(WY)	---	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS

FOR PERIOD NOVEMBER 2001 TO SEPTEMBER 2002

INSTANTANEOUS PEAK FLOW	50*	Jun 26
INSTANTANEOUS PEAK STAGE	2.90	Jun 26
INSTANTANEOUS LOW FLOW	0.71*	Sep 11

e Estimated.
* See REMARKS.

03447894 BENT CREEK AT BENT CREEK GAP NEAR GLEN BALD, NC--Continued

