

## TENNESSEE RIVER BASIN

03441000 DAVIDSON RIVER NEAR BREVARD, NC

LOCATION.--Lat 35°16'23", long 83°42'21", Transylvania County, Hydrologic Unit 06010105, on right bank 150 ft upstream of bridge on State Highway 280, 2.1 mi downstream of Avery Creek, 3.3 mi northeast of Brevard, and at mile 2.2.

DRAINAGE AREA.--40.4 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1920 to September 1990, October 1993 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage Area. WSP 1336: 1921, 1922 (M), 1923, 1924-25 (M), 1926, 1927 (M), 1929-32 (M).

GAGE.--Water-stage recorder. Datum of gage is 2,115.13 ft above sea level (levels by Tennessee Valley Authority). Prior to May 17, 1934, nonrecording gage at site 50 ft downstream at same datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minimum discharge for current water year also occurred several days in Oct. and Nov.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1869, 11.9 ft June 1876 (from studies by Tennessee Valley Authority).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	26	59	e54	77	111	188	67	97	43	75	45
2	28	26	56	e54	73	103	162	65	84	41	73	48
3	27	26	58	e54	69	103	160	63	67	53	60	80
4	28	26	53	e54	67	139	146	61	61	48	74	127
5	29	28	51	e54	65	119	135	61	57	40	98	69
6	28	26	50	e54	62	107	128	61	59	36	79	54
7	28	32	49	51	61	100	121	58	61	35	62	48
8	27	34	48	58	59	96	115	58	66	38	57	44
9	27	355	47	e47	58	92	110	57	59	37	54	42
10	28	179	47	e44	66	87	106	58	54	36	74	69
11	28	81	46	e44	58	83	102	58	51	34	65	52
12	28	63	45	56	61	99	98	58	48	32	53	45
13	27	55	44	48	68	130	107	53	47	33	82	43
14	27	50	107	47	87	101	97	50	44	31	71	40
15	27	46	69	47	81	171	103	49	44	29	55	38
16	27	45	164	45	85	150	96	47	42	29	50	36
17	26	55	387	43	147	128	90	90	39	31	48	35
18	26	46	153	77	102	116	87	80	38	29	47	34
19	26	46	121	370	91	107	84	64	38	39	42	37
20	26	45	e94	234	84	124	82	91	38	104	39	90
21	27	43	e84	140	80	158	80	66	51	46	38	49
22	27	41	78	113	93	178	78	71	61	37	36	42
23	27	41	e72	99	88	191	77	65	54	34	35	39
24	27	42	e68	90	80	184	76	56	42	33	36	220
25	28	232	e65	81	248	172	76	150	41	111	34	107
26	29	138	e62	76	186	153	72	97	46	80	40	76
27	28	95	60	73	140	138	70	73	45	62	53	64
28	27	78	59	69	123	128	68	68	40	68	40	56
29	27	70	56	67	---	297	66	68	38	79	41	51
30	26	64	e54	118	---	315	66	59	48	78	54	49
31	26	---	e54	85	---	225	---	56	---	66	40	---
TOTAL	846	2134	2460	2546	2559	4405	3046	2078	1560	1492	1705	1829
MEAN	27.3	71.1	79.4	82.1	91.4	142	102	67.0	52.0	48.1	55.0	61.0
MAX	29	355	387	370	248	315	188	150	97	111	98	220
MIN	26	26	44	43	58	83	66	47	38	29	34	34
CFSM	.68	1.76	1.96	2.03	2.26	3.52	2.51	1.66	1.29	1.19	1.36	1.51
IN.	.78	1.96	2.27	2.34	2.36	4.06	2.80	1.91	1.44	1.37	1.57	1.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001,<sup>®</sup> BY WATER YEAR (WY)

MEAN	95.0	105	130	156	169	185	173	141	112	91.3	98.2	87.9
MAX	379	362	323	374	363	466	349	293	254	285	404	297
(WY)	1965	1980	1933	1937	1939	1929	1957	1923	1967	1989	1928	1928
MIN	18.2	24.5	31.7	37.8	66.5	74.1	57.7	54.6	37.9	37.2	24.0	17.5
(WY)	1955	1955	1940	1956	1941	1988	1986	1941	1988	1986	1925	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1921 - 2001 <sup>®</sup>
ANNUAL TOTAL	29820	26660	
ANNUAL MEAN	81.5	73.0	128
HIGHEST ANNUAL MEAN			208
LOWEST ANNUAL MEAN			70.6
HIGHEST DAILY MEAN	811	Mar 20	2940
LOWEST DAILY MEAN	25	Jul 21	14
ANNUAL SEVEN-DAY MINIMUM	26	Oct 29	15
MAXIMUM PEAK FLOW			8400
MAXIMUM PEAK STAGE		3.24	12.08
INSTANTANEOUS LOW FLOW		26*	13
ANNUAL RUNOFF (CFSM)	2.02	1.81	3.18
ANNUAL RUNOFF (INCHES)	27.46	24.55	43.18
10 PERCENT EXCEEDS	152	128	229
50 PERCENT EXCEEDS	62	59	100
90 PERCENT EXCEEDS	28	29	42

e Estimated.

<sup>®</sup> See PERIOD OF RECORD.

\* See REMARKS.

03441000 DAVIDSON RIVER NEAR BREVARD, NC--Continued

