

## TENNESSEE RIVER BASIN

0351706800 CHEOAH RIVER NEAR BEAR PEN GAP NEAR TAPOCO, NC

LOCATION.--Lat 35°26'18", long 83°55'08", Graham County, Hydrologic Unit 06010204, on right bank, 93 ft downstream of U.S. Forest Service bridge number 62 on Slickrock Road, 1.7 mi upstream of mouth, and 1.2 mi east southeast of Tapoco.

DRAINAGE AREA.--206 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,260 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Considerable regulation at times caused by Santeetlah Dam, 10.3 mi upstream. Water from Santeetlah Lake, 10.3 mi upstream, is diverted to hydro powerplant on the Little Tennessee River, which bypasses gage. Minimum discharge for period of record also occurred Sept. 17, 20.

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	14	11	23	e23	58	86	77	44	92	53	75	64
2	14	11	22	e23	52	77	71	48	84	44	62	48
3	13	12	25	e23	47	76	81	41	68	53	56	50
4	13	12	24	e22	44	88	83	38	66	53	55	46
5	13	13	22	e22	42	93	75	37	60	63	51	38
6	12	12	21	e21	40	75	70	72	62	49	62	34
7	12	13	20	e21	38	68	66	65	84	44	47	32
8	12	43	20	35	36	64	62	48	159	42	43	30
9	12	283	19	29	35	62	59	47	115	62	44	29
10	12	88	20	e25	69	58	57	62	81	56	70	27
11	12	40	20	e24	47	55	55	57	67	42	59	27
12	12	30	22	47	49	72	52	50	60	38	71	26
13	12	25	20	40	49	91	107	45	54	36	69	25
14	12	22	63	37	89	69	79	40	177	33	55	24
15	12	20	38	40	99	151	99	38	108	32	46	24
16	12	21	111	37	145	126	89	36	84	32	41	23
17	12	50	246	33	307	95	76	34	65	31	38	23
18	12	31	87	104	160	81	69	32	56	31	37	22
19	12	28	63	456	111	73	64	32	51	35	35	28
20	11	26	e49	254	87	106	60	37	48	40	40	55
21	12	23	e40	131	99	105	57	33	45	48	33	30
22	12	21	e36	91	141	95	54	45	60	61	30	26
23	12	21	e32	74	117	87	52	41	62	56	29	24
24	11	21	e31	64	95	81	51	34	45	40	29	127
25	12	59	e29	56	194	75	49	193	55	57	32	82
26	12	46	27	49	172	68	46	79	53	53	32	45
27	12	34	28	46	127	64	44	58	47	43	33	36
28	12	29	29	42	104	60	43	69	47	36	37	32
29	12	27	26	41	---	72	42	82	41	222	31	30
30	11	25	25	110	---	79	41	59	68	157	40	28
31	11	---	e24	69	---	77	---	53	---	80	62	---
TOTAL	375	1097	1262	2089	2653	2529	1930	1649	2164	1722	1444	1135
MEAN	12.1	36.6	40.7	67.4	94.8	81.6	64.3	53.2	72.1	55.5	46.6	37.8
MAX	14	283	246	456	307	151	107	193	177	222	75	127
MIN	11	11	19	21	35	55	41	32	41	31	29	22

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
MEAN	17.0	31.6	36.1	66.6	85.9	80.6	103	56.2	62.9	68.1	35.3	28.9
MAX	21.8	36.6	40.7	67.4	94.8	81.6	141	59.2	72.1	80.7	46.6	37.8
(WY)	2000	2001	2001	2001	2001	2001	2000	2000	2001	2000	2001	2001
MIN	12.1	26.7	31.5	65.8	77.3	79.7	64.3	53.2	53.6	55.5	24.0	19.9
(WY)	2001	2000	2000	2000	2000	2000	2001	2001	2000	2001	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 2000 - 2001
ANNUAL TOTAL	21013.3	20049	
ANNUAL MEAN	57.4	54.9	55.8
HIGHEST ANNUAL MEAN			56.7
LOWEST ANNUAL MEAN			54.9
HIGHEST DAILY MEAN	612	Apr 4	612
LOWEST DAILY MEAN	9.1	Sep 17	9.1
ANNUAL SEVEN-DAY MINIMUM	9.8	Sep 14	9.8
MAXIMUM PEAK FLOW		737	Jun 14
MAXIMUM PEAK STAGE		4.21	Jun 14
INSTANTANEOUS LOW FLOW		11	Oct 31
10 PERCENT EXCEEDS	109	95	101
50 PERCENT EXCEEDS	40	45	42
90 PERCENT EXCEEDS	12	14	17

e Estimated.

\* See REMARKS.

0351706800 CHEOAH RIVER NEAR BEAR PEN GAP NEAR TAPOCO, NC--Continued

