

0351706800 CHEOAH RIVER NEAR BEAR PEN GAP NEAR TAPOCO, NC

LOCATION.--Lat 35°26'49", long 83°55'22", 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.

REVISED RECORD.--WDR NC-03-1B: 2002(M).

GAGE.--Water-stage recorder. Elevation of gage is 1,260 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. 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. Maximum discharge for period of record, from rating curve extended above 5,000 ft<sup>3</sup>/s on basis of step-backwater computation of peak flow. Minimum discharge for period of record also occurred Sept. 17, 20, 2000. Minimum discharge for current water year also occurred Nov. 2-5.

REVISIONS.--The maximum discharge for the water year 2002 has been revised to 5,800 ft<sup>3</sup>/s, Jan. 23, 2002, gage height 8.58 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	34	102	103	87	83	101	78	63	76	78	44
2	46	34	88	99	135	121	95	114	54	72	73	44
3	44	33	81	95	217	108	93	100	53	74	76	43
4	44	33	183	91	152	97	89	97	56	80	64	42
5	43	77	180	214	131	93	85	91	50	71	80	41
6	43	135	140	185	360	311	83	85	47	87	82	38
7	44	70	116	141	284	194	83	79	46	67	62	56
8	41	54	104	125	199	149	82	76	47	59	57	120
9	41	48	95	120	165	136	79	76	48	55	54	111
10	40	45	225	106	154	127	77	75	49	52	52	70
11	41	44	191	98	139	115	78	72	44	50	53	60
12	40	43	142	95	161	110	82	69	88	92	145	54
13	39	44	123	92	143	103	235	66	116	83	84	50
14	40	40	149	88	133	100	154	64	76	67	67	47
15	46	40	124	86	140	105	130	62	61	61	61	45
16	38	41	112	82	132	138	117	63	58	53	57	192
17	38	42	149	81	122	113	107	69	51	69	54	2,240
18	38	55	124	132	115	119	101	69	49	103	52	347
19	37	432	121	116	111	127	95	68	49	63	49	199
20	36	178	106	97	108	119	92	62	44	55	50	149
21	36	111	98	92	109	152	89	59	65	50	105	123
22	35	87	96	88	100	123	85	58	68	47	64	110
23	34	76	102	83	97	114	82	57	58	58	56	101
24	34	104	147	82	96	108	80	55	60	50	59	95
25	34	88	118	145	93	102	78	54	164	99	58	91
26	36	77	106	158	92	99	122	53	202	231	58	86
27	42	82	99	128	90	96	97	52	101	420	52	84
28	39	202	94	110	86	93	84	53	112	153	48	108
29	36	166	91	102	84	90	80	55	107	103	49	86
30	34	122	154	98	---	102	78	63	83	127	48	81
31	34	---	112	91	---	108	---	104	---	87	47	---
TOTAL	1,221	2,637	3,872	3,423	4,035	3,755	2,933	2,198	2,169	2,814	1,994	4,957
MEAN	39.4	87.9	125	110	139	121	97.8	70.9	72.3	90.8	64.3	165
MAX	48	432	225	214	360	311	235	114	202	420	145	2,240
MIN	34	33	81	81	84	83	77	52	44	47	47	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	27.6	53.2	79.2	185	128	113	134	268	72.7	79.8	47.8	64.7
MAX	39.9	87.9	132	589	216	149	229	889	113	131	81.5	165
(WY)	(2003)	(2004)	(2003)	(2002)	(2003)	(2002)	(2002)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	12.1	26.7	31.5	65.8	77.3	79.7	64.3	53.2	52.5	41.0	22.7	19.9
(WY)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2001)	(2001)	(2002)	(2002)	(2002)	(2000)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	64,131		36,008		104	
ANNUAL MEAN	176		98.4		54.9	
HIGHEST ANNUAL MEAN					176	2003
LOWEST ANNUAL MEAN					54.9	2001
HIGHEST DAILY MEAN	8,350	May 6	2,240	Sep 17	8,350	May 6, 2003
LOWEST DAILY MEAN	33	Nov 3	33	Nov 3	9.1	Sep 17, 2000
ANNUAL SEVEN-DAY MINIMUM	34	Oct 29	34	Oct 29	9.8	Sep 14, 2000
MAXIMUM PEAK FLOW			4,980	Sep 17	15,000*	May 6, 2003
MAXIMUM PEAK STAGE			7.40	Sep 17	13.30	May 6, 2003
INSTANTANEOUS LOW FLOW			33*	Nov 1	8.8*	Sep 16, 2000
10 PERCENT EXCEEDS	210		149		156	
50 PERCENT EXCEEDS	99		84		60	
90 PERCENT EXCEEDS	42		43		21	

\* See REMARKS.

