

0351706800 CHEOAH RIVER NEAR BEARPEN GAP NEAR TAPOCO, NC

LOCATION.--Lat 35°26'49", long 83°56'22", 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 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR NC-04-1: 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.--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. Maximum discharge for period of record, from rating curve extended above 5,000 ft³/s on basis of step-backwater computation of peak flow. Minimum discharge for period of record also occurred Sept. 17, 20, 2000.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	47	2,240	106	87	129	146	104	90	69	68	74
2	72	49	228	103	90	115	318	91	111	67	65	140
3	71	94	185	100	140	109	286	86	102	74	58	119
4	69	190	162	98	111	105	234	83	89	72	55	102
5	66	104	147	96	101	104	202	87	78	107	53	97
6	57	79	725	102	95	98	175	88	127	82	53	95
7	55	71	3,720	97	90	101	169	81	143	343	74	93
8	53	65	1,710	148	90	272	177	77	125	177	73	93
9	52	61	3,610	110	87	173	150	75	120	117	58	92
10	53	59	2,040	103	84	146	137	79	143	100	56	90
11	51	68	2,790	100	80	133	130	76	140	113	52	88
12	54	122	582	96	79	123	129	71	153	155	49	88
13	70	101	914	144	85	117	129	69	167	130	60	87
14	56	84	866	262	133	112	120	68	127	121	69	85
15	53	76	482	165	109	104	111	95	104	108	51	85
16	51	72	181	138	103	111	106	79	91	99	47	107
17	49	69	168	121	94	131	102	70	83	90	46	759
18	49	66	158	110	88	114	99	67	77	82	57	189
19	96	64	151	107	85	106	97	65	75	122	66	75
20	66	64	139	104	115	102	94	499	150	104	49	73
21	56	61	136	101	396	98	91	220	113	81	45	72
22	53	61	134	98	280	107	100	142	84	74	44	70
23	51	141	228	91	186	259	105	116	75	68	47	69
24	54	878	166	e89	171	173	103	101	69	64	43	68
25	51	447	146	88	141	144	92	91	66	62	43	67
26	49	247	135	91	126	129	91	85	63	59	42	69
27	49	187	125	85	119	123	98	81	62	57	41	78
28	50	161	119	80	144	289	90	80	119	134	41	69
29	53	134	115	99	---	193	92	76	95	120	59	69
30	50	124	112	104	---	162	102	74	74	78	103	69
31	48	---	109	90	---	155	---	71	---	70	56	---
TOTAL	1,784	4,046	22,723	3,426	3,509	4,337	4,075	3,147	3,115	3,199	1,723	3,331
MEAN	57.5	135	733	111	125	140	136	102	104	103	55.6	111
MAX	96	878	3,720	262	396	289	318	499	167	343	103	759
MIN	48	47	109	80	79	98	90	65	62	57	41	67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	32.6	66.8	188	172	127	118	134	240	77.9	83.7	49.1	72.5
MAX	57.5	135	733	589	216	149	229	889	113	131	81.5	165
(WY)	(2005)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	56,831		58,415		114	
ANNUAL MEAN	155		160		176	
HIGHEST ANNUAL MEAN					54.9	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	3,720	Dec 7	3,720	Dec 7	8,350	May 6, 2003
LOWEST DAILY MEAN	38	Sep 6	41	Aug 27	9.1	Sep 17, 2000
ANNUAL SEVEN-DAY MINIMUM	43	Aug 31	43	Aug 22	9.8	Sep 14, 2000
MAXIMUM PEAK FLOW			6,370	Dec 9	15,000*	May 6, 2003
MAXIMUM PEAK STAGE			8.23	Dec 9	13.30	May 6, 2003
INSTANTANEOUS LOW FLOW			37	Aug 28	8.8*	Sep 16, 2000
10 PERCENT EXCEEDS	172		183		163	
50 PERCENT EXCEEDS	86		95		68	
90 PERCENT EXCEEDS	50		54		22	

* See REMARKS.
e Estimated

