

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 mi².

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.--Records good except those for estimated daily discharges, which are poor. 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 1,000 ft³/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 Oct. 5, 7, 25.

REVISIONS.--The maximum discharge for the water year 2002 has been revised to 5,800 ft³/s, Jan. 23, 2002, gage height 8.58 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	62	50	169	111	211	86	114	125	183	119	57
2	31	51	49	131	97	190	84	147	120	505	97	51
3	29	45	50	145	89	167	81	128	125	214	114	50
4	26	45	166	123	254	152	80	106	128	146	142	88
5	35	59	356	112	164	145	147	592	115	139	149	62
6	29	135	162	102	134	331	109	8,350	111	132	120	53
7	36	92	113	92	126	226	153	6,930	241	118	114	52
8	33	70	92	89	105	189	152	2,410	163	109	97	56
9	27	59	81	85	97	169	316	2,130	130	104	85	50
10	26	59	78	83	109	152	267	1,860	118	122	80	47
11	42	172	105	75	98	141	223	647	104	177	77	45
12	36	197	81	70	94	132	181	445	123	127	72	44
13	31	140	105	69	88	126	152	243	93	129	79	43
14	28	97	119	68	210	120	133	225	89	177	80	42
15	27	86	97	65	451	115	122	216	86	128	69	44
16	69	129	88	65	334	113	114	225	106	113	99	41
17	47	109	80	65	275	110	127	199	188	104	73	39
18	38	91	73	e60	209	108	185	202	179	93	67	38
19	33	86	92	e59	173	116	137	189	137	87	64	37
20	31	78	308	61	152	116	124	178	112	81	61	36
21	32	113	166	96	164	105	147	207	97	78	64	36
22	30	97	139	86	810	98	129	310	88	177	64	205
23	27	82	112	72	441	94	117	230	83	145	57	126
24	26	73	326	e67	287	91	110	195	78	105	55	68
25	26	67	257	e64	232	88	109	179	75	91	53	57
26	30	64	180	e62	232	86	107	168	72	84	52	52
27	27	71	145	60	275	84	97	156	79	82	52	61
28	45	60	123	59	247	86	92	147	74	76	73	74
29	66	57	109	182	---	94	88	146	71	74	57	54
30	151	55	99	184	---	99	105	139	76	74	60	50
31	86	---	95	133	---	90	---	132	---	82	82	---
TOTAL	1,236	2,601	4,096	2,853	6,058	4,144	4,074	27,545	3,386	4,056	2,527	1,758
MEAN	39.9	86.7	132	92.0	216	134	136	889	113	131	81.5	58.6
MAX	151	197	356	184	810	331	316	8,350	241	505	149	205
MIN	26	45	49	59	88	84	80	106	71	74	52	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	24.7	44.5	67.8	203	125	111	143	317	72.8	77.0	43.7	39.6
MAX	39.9	86.7	132	589	216	149	229	889	113	131	81.5	58.6
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2002)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	53,955		64,334		106	
ANNUAL MEAN	148		176		176	
HIGHEST ANNUAL MEAN					54.9	2001
LOWEST ANNUAL MEAN					8.8	2003
HIGHEST DAILY MEAN	4,220	Jan 23	8,350	May 6	8,350	May 6, 2003
LOWEST DAILY MEAN	11	Sep 11	26	Oct 4	9.1	Sep 17, 2000
ANNUAL SEVEN-DAY MINIMUM	12	Sep 7	28	Oct 21	9.8	Sep 14, 2000
MAXIMUM PEAK FLOW			15,000	May 6	15,000*	May 6, 2003
MAXIMUM PEAK STAGE			13.30	May 6	13.30	May 6, 2003
INSTANTANEOUS LOW FLOW			25*	Oct 4	8.8*	Sep 16, 2000
10 PERCENT EXCEEDS	260		215		162	
50 PERCENT EXCEEDS	61		97		55	
90 PERCENT EXCEEDS	22		45		20	

* See REMARKS.
e Estimated

