

03512000 OCONALUFTEE RIVER AT BIRDTOWN, NC

LOCATION.--Lat 35°27'41", long 83°21'13", Swain County, Hydrologic Unit 06010203, in Cherokee Indian Reservation on left

DRAINAGE AREA.--184 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1945 to September 1946, July 1948 to current year.

GAGE.--Water-stage recorder and crest-stage gages. Datum of gage is 1,843.30 ft above NGVD of 1929. Prior to Oct. 1, 1946, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum gage height for period of record from floodmarks. Minimum discharge for period of record also occurred Nov. 9, 1987. Minimum discharge for current water year also occurred Oct. 25, 26.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of Nov. 19, 1906, and Mar. 27, 1913, reached stages of 18 and 14.5 ft, respectively, from studies by Tennessee Valley Authority; discharge not determined.

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	211	165	598	521	401	363	456	491	540	545	376	222
2	201	161	523	501	422	599	428	656	408	497	513	253
3	194	159	475	513	610	666	420	665	358	536	755	237
4	191	155	526	572	472	563	426	557	356	501	415	220
5	187	194	536	1,530	452	546	404	524	328	448	372	207
6	182	465	479	1,120	2,150	1,840	393	487	298	704	402	196
7	190	446	439	820	1,620	1,040	402	460	282	479	323	387
8	190	305	417	710	1,080	820	426	448	278	419	289	2,420
9	182	255	401	654	877	708	419	467	279	377	268	2,080
10	184	229	918	576	770	640	396	481	319	362	253	981
11	179	215	865	522	682	579	385	426	284	435	264	901
12	172	205	653	498	703	543	397	401	266	367	516	834
13	167	217	578	469	621	507	1,730	411	426	380	336	628
14	181	192	683	441	576	483	1,010	397	419	391	283	531
15	210	187	598	422	592	512	778	369	388	332	263	466
16	173	185	548	393	556	882	686	357	439	300	254	533
17	167	198	774	381	519	678	618	376	382	320	247	5,900
18	164	243	652	573	495	696	568	365	470	383	239	3,140
19	160	3,560	625	519	477	740	542	396	364	288	220	1,660
20	156	1,280	565	434	464	676	531	355	331	266	239	1,130
21	153	775	514	417	469	705	500	332	391	250	357	875
22	150	592	489	397	442	613	477	335	601	238	314	718
23	148	495	478	375	426	565	458	359	522	234	266	619
24	146	585	735	373	419	535	445	325	557	224	278	549
25	143	531	590	498	408	504	433	303	613	229	299	499
26	183	462	544	574	405	482	807	294	948	287	326	460
27	326	466	513	542	400	462	622	328	628	929	263	440
28	253	1,130	489	486	385	445	532	304	558	534	248	873
29	195	894	470	461	370	428	502	310	495	386	304	589
30	178	696	729	446	---	469	489	380	487	426	266	482
31	171	---	564	417	---	475	---	1,070	---	417	236	---
TOTAL	5,687	15,642	17,968	17,155	18,263	19,764	16,680	13,429	13,015	12,484	9,984	29,030
MEAN	183	521	580	553	630	638	556	433	434	403	322	968
MAX	326	3,560	918	1,530	2,150	1,840	1,730	1,070	948	929	755	5,900
MIN	143	155	401	373	370	363	385	294	266	224	220	196
CFSM	1.00	2.83	3.15	3.01	3.42	3.46	3.02	2.35	2.36	2.19	1.75	5.26
IN.	1.15	3.16	3.63	3.47	3.69	4.00	3.37	2.71	2.63	2.52	2.02	5.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004,® BY WATER YEAR (WY)

MEAN	260	382	572	710	801	868	718	545	425	383	326	270
MAX	645	777	1,266	1,428	1,700	1,714	1,315	1,202	1,136	938	733	968
(WY)	(1990)	(1958)	(1962)	(1974)	(1990)	(1963)	(1994)	(1984)	(1989)	(1989)	(1994)	(2004)
MIN	94.5	125	162	170	392	330	277	239	175	169	152	121
(WY)	(1955)	(1988)	(1966)	(1981)	(1978)	(1988)	(1986)	(1986)	(1988)	(1952)	(2002)	(1954)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004 <sup>@</sup>	
ANNUAL TOTAL	215,453		189,101		520	
ANNUAL MEAN	590		517		771	
HIGHEST ANNUAL MEAN					274	1986
LOWEST ANNUAL MEAN					8,470	Mar 12, 1963
HIGHEST DAILY MEAN	7,150	May 6	5,900	Sep 17	82	Nov 8, 1987
LOWEST DAILY MEAN	143	Oct 25	143	Oct 25	82	Oct 16, 1954
ANNUAL SEVEN-DAY MINIMUM	151	Oct 19	151	Oct 19	15,900	Dec 30, 1969
MAXIMUM PEAK FLOW			8,100	Nov 19	12.46*	Dec 30, 1969
MAXIMUM PEAK STAGE			7.85	Nov 19	79*	Nov 8, 1987
INSTANTANEOUS LOW FLOW			142*	Oct 24	2.83	
ANNUAL RUNOFF (CFSM)	3.21		2.81		38.41	
ANNUAL RUNOFF (INCHES)	43.56		38.23		942	
10 PERCENT EXCEEDS	1,010		774		395	
50 PERCENT EXCEEDS	479		446		168	
90 PERCENT EXCEEDS	191		200			

<sup>@</sup> See PERIOD OF RECORD.

\* See REMARKS.

