

02068500 DAN RIVER NEAR FRANCISCO, NC

LOCATION.--Lat 36°30'54", long 80°18'11", Stokes County, Hydrologic Unit 03010103, on left bank 200 ft upstream from bridge on State Highway 704, 700 ft downstream of remains of Georges Mill, 0.2 mi downstream of Elk Creek, 3 mi east of Francisco, and 7.9 mi downstream of Little Dan River.

DRAINAGE AREA.--129 mi².

PERIOD OF RECORD.--August 1924 to September 1987, December 1991 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1938-50 (monthly runoff). WSP 1433: 1925-26, 1928-29, 1931, 1942, 1948. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 831.99 ft above NGVD of 1929. Prior to Nov. 15, 1929, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since 1938, considerable diurnal fluctuation and regulation by Talbott and Townes Reservoirs (stations 02067800 and 02067820, respectively) and Pinnacles Hydroelectric Plant in Virginia, 28 mi upstream. Minimum discharge for current water year also occurred Sept. 6.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1916 reached a stage of about 15 ft, from information by local residents, discharge, 16,000 ft³/s.

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	165	185	264	231	247	193	152	192	136	151	190	98
2	191	183	256	217	187	190	143	203	118	149	166	95
3	e190	182	254	217	346	185	140	189	112	183	206	95
4	201	181	274	216	251	149	139	176	167	171	117	93
5	182	186	389	229	215	149	136	166	165	174	109	91
6	148	470	e461	230	571	312	134	162	133	146	107	90
7	147	333	e319	214	654	328	138	163	127	135	98	110
8	146	247	e312	210	411	318	148	162	134	133	101	1,210
9	160	226	e261	215	358	138	148	190	170	125	101	601
10	200	218	e525	210	295	137	147	180	187	143	99	261
11	195	216	609	231	284	137	148	158	149	213	110	196
12	199	213	371	230	278	137	199	149	129	299	e194	174
13	186	211	348	230	274	135	419	143	129	234	178	159
14	190	220	354	229	264	136	458	142	134	155	129	152
15	223	211	390	228	e259	138	280	142	129	137	120	159
16	188	213	386	225	e257	182	230	137	651	111	114	159
17	187	208	436	223	222	165	214	246	198	102	138	438
18	197	212	372	245	222	152	204	182	201	121	192	614
19	203	545	345	228	221	149	196	161	155	119	131	281
20	182	437	306	206	220	146	192	171	141	105	128	221
21	193	322	299	208	219	146	189	159	130	107	115	199
22	181	291	276	164	214	142	183	134	136	102	116	186
23	178	278	280	169	212	141	180	131	158	110	110	167
24	178	278	342	159	214	142	185	136	393	102	105	147
25	182	274	333	163	208	142	176	123	199	97	103	143
26	196	274	328	176	198	137	204	121	645	101	98	139
27	272	259	316	179	196	135	225	135	247	407	97	148
28	216	290	271	180	194	134	185	124	196	298	96	5,990
29	199	295	269	219	193	131	178	122	174	140	154	995
30	189	269	246	244	---	138	175	118	164	129	112	598
31	187	---	231	241	---	161	---	140	---	134	105	---
TOTAL	5,851	7,927	10,423	6,566	7,884	5,125	5,845	4,857	5,907	4,833	3,939	14,009
MEAN	189	264	336	212	272	165	195	157	197	156	127	467
MAX	272	545	609	245	654	328	458	246	651	407	206	5,990
MIN	146	181	231	159	187	131	134	118	112	97	96	90
†	+1	+3	0	-40	-17	0	+3	-8	+1	-2	+4	+84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004,*@ BY WATER YEAR (WY)

MEAN	147	156	178	197	220	257	267	217	202	168	168	153
MAX	543	327	479	424	463	571	677	405	719	425	514	630
(WY)	(1938)	(1980)	(1997)	(1978)	(1960)	(1993)	(1980)	(1949)	(2003)	(2003)	(1940)	(1979)
MIN	49.7	61.3	77.5	76.2	94.9	94.2	119	95.3	77.9	54.8	52.5	50.4
(WY)	(1964)	(1954)	(1998)	(1956)	(1956)	(1981)	(2002)	(2000)	(2002)	(1986)	(1981)	(1968)

02068500 DAN RIVER NEAR FRANCISCO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004* [@]	
ANNUAL TOTAL	125,989		83,166		(UNADJUSTED)	
ANNUAL MEAN	345		227		194	
HIGHEST ANNUAL MEAN			‡230		314	2003
LOWEST ANNUAL MEAN					93.6	2002
HIGHEST DAILY MEAN	2,000	Aug 7	5,990	Sep 28	6,830	Sep 22, 1979
LOWEST DAILY MEAN	110	Feb 1	90	Sep 6	21	Sep 4, 1999
ANNUAL SEVEN-DAY MINIMUM	119	Jan 28	95	Aug 31	28	Aug 24, 1981
MAXIMUM PEAK FLOW			13,800	Sep 28	21,200	Aug 17, 1985
MAXIMUM PEAK STAGE			14.47	Sep 28	19.50	Aug 17, 1985
INSTANTANEOUS LOW FLOW			88*	Sep 6	7.1	Sep 8, 1932
10 PERCENT EXCEEDS	580		330		320	
50 PERCENT EXCEEDS	271		186		155	
90 PERCENT EXCEEDS	160		118		80	

† Change in contents, equivalent in cubic feet per second, in Talbott and Townes Reservoirs provided by City of Danville, Virginia.

* Regulated period only (1938-2004). See REMARKS.

[@] See PERIOD OF RECORD.

‡ Adjusted for change in contents.

e Estimated.

