02071000 DAN RIVER NEAR WENTWORTH, NC

LOCATION.--Lat 36°24'45", long 79°49'35", Rockingham County, Hydrologic Unit 03010103, on right bank 600 ft downstream of Settles Bridge on Secondary Road 2150, 3.5 mi northwest of Wentworth, 7.5 mi downstream of Mayo River, and 103.7 mi upstream from mouth.

DRAINAGE AREA.--1,053 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1303.

REVISED RECORDS.--WDR NC-72-1: 1945(M). WDR NC-81-1: Drainage area. WRIR 96-4154: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 512.98 ft above NGVD of 1929. Prior to Aug. 3, 1949, water-stage recorder at site 150 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Slight fluctuation and regulation at low flow caused by Talbott and Townes Reservoirs (stations 02067800 and 02067820). Maximum gage height for period of record, from high-water mark in gage well.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1908 reached a stage of 34.9 ft, from information by North Carolina State Highway Commission, and flood in 1937 reached a stage of 29.8 ft, from information by local resident.

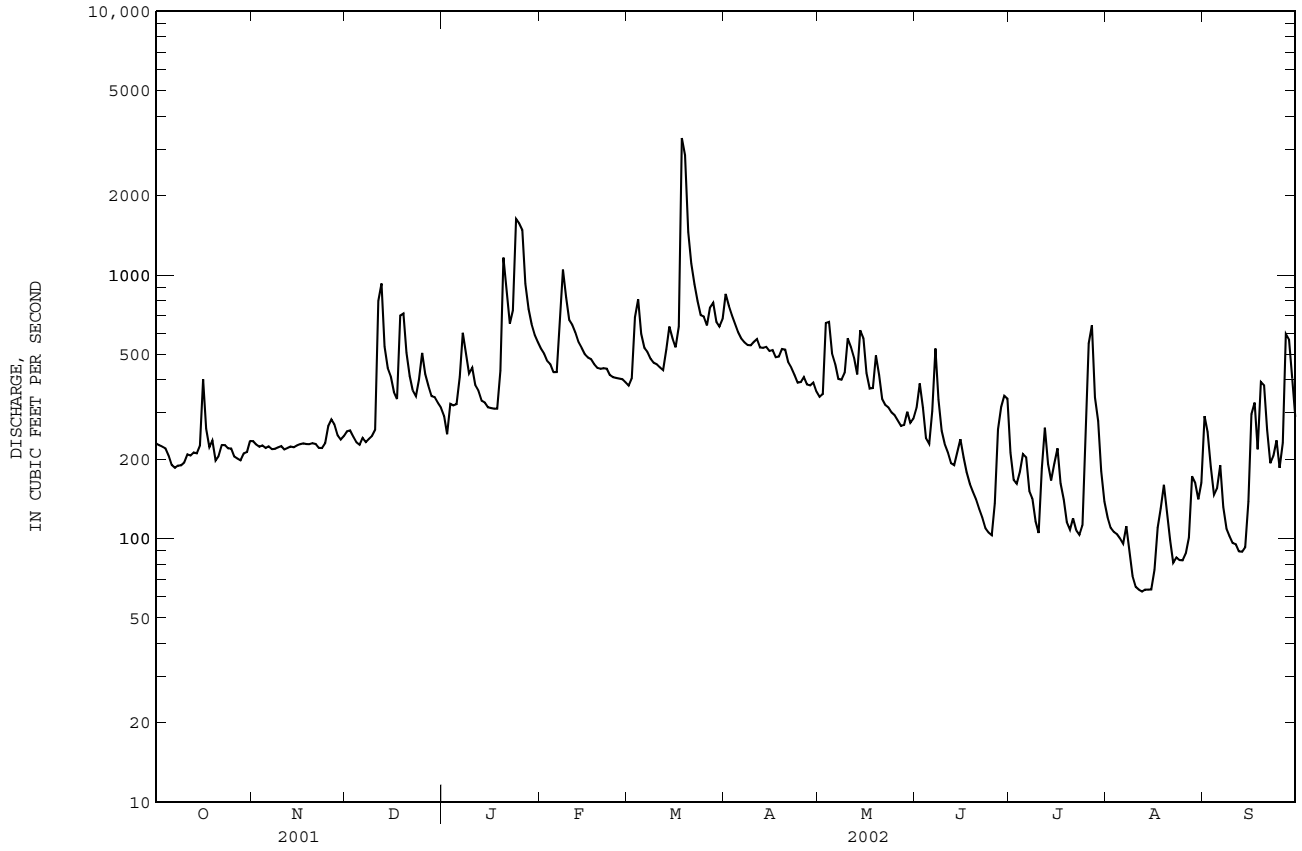
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	234	255	292	526	380	848	345	313	211	120	291
2	226	227	257	249	502	405	764	353	388	167	e110	254
3	224	223	243	325	472	691	704	657	313	161	e106	187
4	220	225	232	320	458	808	653	664	240	179	e104	147
5	206	221	227	324	428	598	607	504	228	209	e100	155
6	190	224	241	410	428	530	574	459	304	204	96	190
7	185	218	232	604	678	511	555	404	527	152	111	132
8	189	219	239	502	1050	481	542	401	337	142	92	109
9	190	222	245	422	821	465	541	426	256	116	72	102
10	194	224	259	445	676	458	558	575	229	105	66	96
11	209	218	797	382	646	446	572	534	212	185	64	95
12	206	221	929	364	605	436	532	487	193	264	63	89
13	212	223	535	334	556	522	529	420	190	192	64	89
14	211	222	444	329	529	638	533	617	214	166	64	93
15	225	226	413	315	500	574	515	576	238	193	64	138
16	402	228	359	313	486	532	519	425	203	220	e76	297
17	261	230	339	311	479	637	488	371	179	162	e110	328
18	222	228	702	311	458	3310	491	373	162	141	e130	218
19	235	228	715	433	444	2850	524	495	151	116	e160	393
20	198	230	507	1160	441	1460	521	417	141	108	125	382
21	206	229	414	879	443	1110	466	339	129	119	98	259
22	226	221	365	654	441	922	444	321	120	108	81	193
23	226	221	347	734	418	798	417	315	109	103	85	206
24	220	231	401	1630	410	704	391	301	105	112	83	236
25	220	267	506	1570	407	696	393	294	103	293	83	185
26	205	283	421	1480	405	643	410	280	136	551	88	231
27	201	271	380	925	402	753	384	268	259	645	101	598
28	198	246	347	744	392	785	381	270	316	343	172	568
29	210	238	344	652	---	664	391	303	348	279	163	404
30	213	245	328	593	---	637	362	275	339	180	141	290
31	235	---	315	556	---	682	---	285	---	138	163	---
TOTAL	6795	6943	12338	18562	14501	25126	15609	12754	6982	6264	3155	6955
MEAN	219.2	231.4	398.0	598.8	517.9	810.5	520.3	411.4	232.7	202.1	101.8	231.8
MAX	402	283	929	1630	1050	3310	848	664	527	645	172	598
MIN	185	218	227	249	392	380	362	268	103	103	63	89
CFSM	0.21	0.22	0.38	0.57	0.49	0.77	0.49	0.39	0.22	0.19	0.10	0.22
IN.	0.24	0.25	0.44	0.66	0.51	0.89	0.55	0.45	0.25	0.22	0.11	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	879.7	890.5	1117	1385	1587	1847	1665	1284	1065	884.5	808.2	836.8
MAX	3676	2963	2458	3274	4308	5345	4951	3149	4220	2345	3067	3667
(WY)	1960	1958	1997	1978	1960	1975	1987	1972	1972	1949	1940	1979
MIN	219	231	398	392	518	661	520	411	233	202	102	166
(WY)	2002	2002	2002	1956	2002	1985	2002	2002	2002	2002	2002	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	197407		135984			
ANNUAL MEAN	540.8		372.6		1186	
HIGHEST ANNUAL MEAN					1985	1960
LOWEST ANNUAL MEAN					373	2002
HIGHEST DAILY MEAN	7330	Mar 30	3310	Mar 18	47800	Jun 22 1972
LOWEST DAILY MEAN	185	Sep 19	63	Aug 12	63	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	195	Oct 5	65	Aug 9	65	Aug 9 2002
MAXIMUM PEAK FLOW			4740	Mar 18	54200	Jun 22 1972
MAXIMUM PEAK STAGE			7.80	Mar 18	31.60*	Jun 22 1972
INSTANTANEOUS LOW FLOW			62	Aug 12	62	Aug 12 2002
ANNUAL RUNOFF (CFSM)	0.51		0.35		1.13	
ANNUAL RUNOFF (INCHES)	6.97		4.80		15.30	
10 PERCENT EXCEEDS	872		653		2000	
50 PERCENT EXCEEDS	421		301		810	
90 PERCENT EXCEEDS	221		111		393	

e Estimated.
* See REMARKS.

02071000 DAN RIVER NEAR WENTWORTH, NC--Continued