

CHOWAN RIVER BASIN

02047000 NOTTOWAY RIVER NEAR SEBRELL, VA

LOCATION.--Lat 36°46'13", long 77°09'59", Southampton County, Hydrologic Unit 03010201, on right bank at bridge on State Highway 653, 1 mi downstream from Three Creek, 2.5 mi southwest of Sebrell, and 5.5 mi upstream from Assamoosick Swamp.

DRAINAGE AREA.--1,421 mi².

PERIOD OF RECORD.--September 1941 to current year.

REVISED RECORDS.--WSP 1333: 1942, 1944, 1948-49. WSP 2104: Drainage area. WDR-91-1: 1982(m).

GAGE.--Water-stage recorder. Datum of gage is 5.94 ft above sea level. Prior to Aug. 23, 1950, nonrecording gage on right bank at site 1,000 ft upstream at same datum. Aug. 23, 1950 to Oct. 1, 1996, water-stage recorder at above site and datum. Nonrecording gage Oct. 1, 1996 to Apr. 9, 1997 at present site and datum. Apr. 9, 1997 to current year, water-stage recorder at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Sep. 19-21 which is fair. Maximum discharge, 36,000 ft³/s, from rating curve extended above 25,000 ft³/s. Several measurements of water temperature were made during the year. Water-quality records for some prior periods have been collected at this location.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,000 ft³/s, occurred Sep 19 or 20, gage height, 26.98 ft; minimum discharge, 39 ft³/s, Aug 25-26, gage height, 3.02 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	43	81	685	2180	640	903	808	167	96	224	198
2	51	44	82	631	1530	656	888	948	154	96	191	141
3	48	50	83	714	1260	655	979	956	145	124	194	110
4	59	50	82	1300	1230	654	1160	863	135	163	234	104
5	53	48	81	2190	1260	716	1230	737	126	151	245	575
6	50	47	80	2830	1210	878	1120	647	118	131	187	1820
7	54	50	80	3250	1110	823	996	582	111	116	146	2560
8	55	58	78	3450	1020	763	908	525	105	130	118	3250
9	66	67	88	2920	944	680	820	472	99	205	100	4240
10	79	68	97	1950	892	633	751	426	92	213	85	5970
11	80	66	109	1350	826	605	886	383	87	187	73	7650
12	76	62	153	1000	757	590	2000	339	86	155	65	7460
13	84	61	251	794	711	573	2970	307	84	142	58	5780
14	82	62	385	664	686	557	3640	302	80	189	59	3970
15	74	64	606	850	677	1030	4300	332	78	455	117	2470
16	67	76	1010	1410	651	2140	4970	559	84	1110	132	8760
17	63	81	941	1640	618	3030	4940	1200	83	1040	73	24100
18	61	78	701	1720	618	3670	4280	1270	102	738	55	29600
19	59	77	555	1730	730	4270	3650	892	149	494	49	e34500
20	56	76	466	1690	908	4550	3080	609	152	327	44	e34000
21	51	73	396	1630	1030	4020	2240	474	142	231	43	e27000
22	50	70	345	1560	996	2920	1570	394	132	180	50	19900
23	47	69	296	1390	897	2430	1220	362	124	153	47	13300
24	46	69	289	1350	797	2630	1020	327	136	132	42	9720
25	45	70	333	2060	714	2900	883	292	149	127	40	7280
26	43	71	393	2940	652	3010	771	270	141	209	41	5780
27	46	70	530	3580	611	2660	679	259	124	332	48	5080
28	50	72	638	4190	599	2000	617	234	113	391	51	4400
29	46	74	645	4640	---	1520	602	215	102	331	115	3240
30	43	76	647	4420	---	1220	668	199	97	276	367	2770
31	43	---	676	3390	---	1030	---	182	---	255	313	---
TOTAL	1781	1942	11197	63918	26114	54453	54741	16365	3497	8879	3606	275728
MEAN	57.5	64.7	361	2062	933	1757	1825	528	117	286	116	9191
MAX	84	81	1010	4640	2180	4550	4970	1270	167	1110	367	34500
MIN	43	43	78	631	599	557	602	182	78	96	40	104
CFSM	.04	.05	.25	1.45	.66	1.24	1.28	.37	.08	.20	.08	6.47
IN.	.05	.05	.29	1.67	.68	1.43	1.43	.43	.09	.23	.09	7.22

02047000 NOTTOWAY RIVER NEAR SEBRELL, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	646	863	1323	2074	2499	2808	2095	1324	755	721	616	683
MAX	4491	4854	4310	6115	6255	6531	5127	5180	2246	5782	2831	9191
(WY)	1973	1986	1958	1978	1998	1998	1987	1978	1972	1975	1955	1999
MIN	27.4	59.5	98.8	196	516	389	427	300	117	48.9	43.3	27.8
(WY)	1955	1942	1966	1966	1981	1981	1966	1942	1999	1966	1963	1954

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1941 - 1999	
ANNUAL TOTAL	630774		522221			
ANNUAL MEAN	1728		1431		1362	
HIGHEST ANNUAL MEAN					2671	
LOWEST ANNUAL MEAN					366	
HIGHEST DAILY MEAN	15900		Mar 24		e34500	
LOWEST DAILY MEAN	43		aOct 26		40	
ANNUAL SEVEN-DAY MINIMUM	45		Oct 26		44	
INSTANTANEOUS PEAK FLOW					36000	
INSTANTANEOUS PEAK STAGE					c26.98	
INSTANTANEOUS LOW FLOW					39	
ANNUAL RUNOFF (CFSM)	1.22				1.01	
ANNUAL RUNOFF (INCHES)	16.51				13.67	
10 PERCENT EXCEEDS	4700				3250	
50 PERCENT EXCEEDS	355				385	
90 PERCENT EXCEEDS	61				56	

- a Also Oct 30 to Nov 1, 1998.
- b Occurred Sep 19 or 20, 1999.
- c From high-water mark in gage house.
- d Also Aug 26, 1999.
- e Estimated.
- f Observed.

