

NEUSE RIVER BASIN

0209205053 SWIFT CREEK AT NC HIGHWAY 43 NEAR STREETS FERRY, NC

LOCATION.--Lat 35°13'56", long 77°06'52", Craven County, Hydrologic Unit 03020202, at downstream side of bridge on NC Highway 43, 0.5 mi upstream from mouth, 2 mi upstream from Little Fisher Creek, and 1.3 mi north-northeast of Streets Ferry.

DRAINAGE AREA.--269 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1996 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929. Prior to Oct. 1999 datum reported as 10 ft below NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records are poor. Maximum gage height for period of record, from flood mark. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. The published 24.0 hour mean daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

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	6.1	14	-10	-33	203	-6.2	866	38	51	74	42	577
2	30	4.7	-169	-122	59	-71	1450	120	-19	89	46	36
3	25	4.2	172	202	219	668	1790	-113	-112	82	-27	149
4	4.1	-64	81	16	215	849	1260	220	271	51	111	136
5	18	50	20	13	25	1030	1610	153	97	38	53	-46
6	-43	98	20	236	93	984	1270	97	65	-55	-159	1.1
7	165	-13	22	168	129	576	928	107	-192	160	13	55
8	5.2	6.6	13	189	280	370	620	e20	24	104	20	-43
9	78	-20	-65	157	445	294	344	140	200	100	125	-76
10	231	29	105	63	355	233	106	6.3	64	11	81	138
11	41	-160	56	67	228	151	514	8.7	89	-130	65	542
12	-23	93	47	75	340	214	416	168	47	84	102	-5.8
13	52	56	85	79	146	147	308	105	17	62	15	288
14	23	67	141	210	201	305	280	-34	38	25	3.5	100
15	-50	-37	-37	219	241	582	293	17	-12	38	38	51
16	113	-29	e50	171	148	514	283	124	58	155	27	102
17	-21	-60	80	150	122	434	231	27	22	50	47	3.9
18	-65	7.2	74	96	60	315	198	-67	97	111	66	104
19	79	12	24	119	152	173	219	-21	63	63	56	98
20	-5.5	-123	67	123	99	332	106	82	-206	-59	36	30
21	8.0	153	-24	244	115	237	34	39	162	76	-31	40
22	-14	-42	27	243	72	292	317	-52	405	79	148	18
23	8.0	-55	1.3	375	e50	326	84	210	87	65	3.8	-143
24	20	109	25	405	e150	204	276	106	83	9.5	103	31
25	14	11	-1.2	654	e250	215	194	-30	62	40	-7.2	-168
26	-1.8	20	3.4	625	e200	204	60	75	70	16	136	547
27	56	43	139	471	e150	198	118	16	75	90	37	188
28	-54	28	52	302	8.1	404	158	-9.4	-26	177	77	-173
29	72	-34	12	256	---	377	-133	5.3	-4.7	93	244	-77
30	14	-20	-11	221	---	227	235	48	-7.6	35	58	206
31	23	---	-27	176	---	280	---	67	---	61	-108	---
TOTAL	808.1	148.7	972.5	6170	4755.1	11057.8	14435	1672.9	1567.7	1794.5	1421.1	2709.2
MEAN	26.07	4.957	31.37	199.0	169.8	356.7	481.2	53.96	52.26	57.89	45.84	90.31
MAX	231	153	172	654	445	1030	1790	220	405	177	244	577
MIN	-65	-160	-169	-122	8.1	-71	-133	-113	-206	-130	-159	-173
CFSM	0.10	0.02	0.12	0.74	0.63	1.33	1.79	0.20	0.19	0.22	0.17	0.34
IN.	0.11	0.02	0.13	0.85	0.66	1.53	2.00	0.23	0.22	0.25	0.20	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002
MEAN	415.4	84.17	157.0	388.8	540.8	370.9	279.5
MAX	1657	253	276	912	1715	558	481
(WY)	2000	2000	1998	1998	1998	1998	2002
MIN	-61.1	-2.99	31.4	37.5	129	259	90.8
(WY)	1999	1999	2002	2001	2001	1999	1997

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1996 - 2002

ANNUAL TOTAL	49569.1	47512.6	
ANNUAL MEAN	135.8	130.2	311.9
HIGHEST ANNUAL MEAN			477
LOWEST ANNUAL MEAN			127
HIGHEST DAILY MEAN	1700	Jun 19	1790
LOWEST DAILY MEAN	-530	Sep 15	-206
ANNUAL SEVEN-DAY MINIMUM	-47	Sep 9	-23
MAXIMUM PEAK FLOW			3140
MAXIMUM PEAK STAGE			3.19
INSTANTANEOUS LOW FLOW			-1130
ANNUAL RUNOFF (CFSM)	0.50		0.48
ANNUAL RUNOFF (INCHES)	6.85		6.57
10 PERCENT EXCEEDS	368		321
50 PERCENT EXCEEDS	70		67
90 PERCENT EXCEEDS	-25		-34

e Estimated.  
\* See REMARKS.

Note.--Negative values indicate reverse flow.

0209205053 SWIFT CREEK AT NC HIGHWAY 43 NEAR STREETS FERRY, NC--Continued

