

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 mi².

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

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level. Prior to Oct. 1999 datum reported as 10 ft below sea level. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	878	6.1	33	e20	12	217	529	81	315	58	391	91
2	499	-51	-174	33	69	172	378	47	400	1.6	583	-76
3	684	-21	169	16	-1.7	84	409	47	355	-6.2	199	210
4	223	44	175	15	60	175	64	47	222	66	129	82
5	138	-66	77	22	50	278	550	50	160	29	60	-70
6	174	73	73	17	109	437	492	-406	186	-28	58	94
7	4.5	-15	51	30	76	169	204	487	70	158	71	197
8	-14	-15	60	15	76	262	244	99	56	125	8.2	37
9	376	18	-32	-5.4	85	179	192	126	e100	8.9	81	66
10	152	1.5	167	e-20	-5.4	115	-123	92	e100	54	80	63
11	96	-52	70	14	30	245	501	91	70	114	48	34
12	4.7	-32	99	-19	171	124	256	63	e80	-57	34	-38
13	55	71	-11	-33	62	145	62	-129	40	155	86	95
14	13	45	319	31	112	74	173	89	224	3.0	150	-16
15	-4.6	-58	66	20	75	202	196	140	1110	80	555	-530
16	-6.3	31	136	20	131	158	-23	-123	1130	61	769	349
17	-50	25	229	-6.8	51	205	274	e150	1310	58	710	407
18	4.9	-27	90	30	186	68	167	e50	1390	58	493	114
19	-13	-88	164	28	252	-17	109	e-10	1700	-26	242	-81
20	e30	184	48	136	159	97	105	e70	1520	-34	184	116
21	e10	46	84	78	108	961	91	e170	e1000	56	234	10
22	e-50	-20	80	e60	223	1040	79	115	e600	210	277	8.1
23	e50	-32	9.5	e160	239	1240	67	-85	285	83	561	55
24	216	-48	e40	e100	217	1340	92	75	147	86	252	46
25	74	-98	16	79	372	698	48	172	e175	43	-16	-15
26	35	143	e30	51	95	768	89	37	267	-1.5	282	34
27	-78	29	48	37	365	379	239	e100	167	-229	242	38
28	-26	12	15	77	235	319	-172	e50	152	284	81	-31
29	128	14	-9.1	38	---	229	267	e50	111	179	37	-64
30	-31	11	87	65	---	402	101	e100	68	57	122	15
31	-46	---	e10	56	---	450	---	91	---	542	111	---
TOTAL	3526.2	130.6	2219.4	1163.8	3612.9	11215	5660	1936	13510	2187.8	7114.2	1240.1
MEAN	114	4.35	71.6	37.5	129	362	189	62.5	450	70.6	229	41.3
MAX	878	184	319	160	372	1340	550	487	1700	542	769	407
MIN	-78	-98	-174	-33	-5.4	-17	-172	-406	40	-229	-16	-530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001
MEAN	493	100	182	431	617	374
MAX	1657	253	276	912	1715	558
(WY)	2000	2000	1998	1998	1998	1998
MIN	-61.1	-2.99	71.6	37.5	129	259
(WY)	1999	1999	2001	2001	2001	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1996 - 2001
ANNUAL TOTAL	118498.05	53516.0	
ANNUAL MEAN	324	147	349
HIGHEST ANNUAL MEAN			477
LOWEST ANNUAL MEAN			147
HIGHEST DAILY MEAN	2740	Sep 8	1700
LOWEST DAILY MEAN	-226	May 30	-530
ANNUAL SEVEN-DAY MINIMUM	-24	Oct 30	-47
MAXIMUM PEAK FLOW			2620
MAXIMUM PEAK STAGE			3.43
INSTANTANEOUS LOW FLOW			-1600
10 PERCENT EXCEEDS	982		384
50 PERCENT EXCEEDS	156		77
90 PERCENT EXCEEDS	- .39		-26

e Estimated.
* See REMARKS.

Note. -- Negative values indicate reverse flow.

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

