

02082770 SWIFT CREEK AT HILLIARDSTON, NC

LOCATION.--Lat 36°06'43", long 77°55'15", Nash County, Hydrologic Unit 03020101, near left bank at downstream side of bridge on Secondary Road 1310, 0.7 mi northeast of Hilliardston, and 2.8 mi downstream of Gideon Swamp.

DRAINAGE AREA.--166 mi².

PERIOD OF RECORD.--July 1963 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 129.41 ft above NAVD of 1988. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record, on basis of slope-conveyance of peak flow; maximum gage height for period of record, 21.30 ft, from flood marks. Minimum discharge for current water year also occurred Oct. 10.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1924 reached a stage of 14.5 ft, from information by North Carolina State Highway Commission, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	284	98	250	526	1,100	466	164	221	75	90	117
2	34	212	93	421	422	1,130	456	156	198	108	102	148
3	33	158	89	425	325	1,030	324	141	178	197	131	88
4	31	129	87	574	244	599	250	138	173	241	85	83
5	31	116	334	524	239	520	217	141	167	238	77	173
6	31	239	625	327	204	716	206	145	166	190	70	221
7	31	306	564	261	461	805	288	161	206	118	75	102
8	30	217	530	226	563	651	608	158	360	86	122	75
9	30	185	426	207	443	541	1,040	143	489	73	504	68
10	29	142	321	192	423	379	1,390	225	544	66	663	67
11	257	121	300	177	399	290	1,800	287	522	60	726	60
12	764	162	372	164	303	251	1,990	317	461	55	613	55
13	385	519	437	152	248	228	1,530	243	240	52	252	53
14	608	481	873	144	209	218	1,020	174	185	72	168	55
15	415	345	736	142	194	209	432	136	162	382	130	57
16	247	254	666	135	223	207	315	118	155	414	106	54
17	293	312	643	137	423	215	266	119	164	179	111	51
18	244	449	334	141	350	210	234	142	283	92	251	259
19	258	368	242	132	449	204	228	405	343	74	119	1,320
20	150	311	253	126	382	783	230	483	268	76	94	1,160
21	123	244	284	141	370	1,660	216	392	250	66	79	593
22	141	211	257	132	535	1,440	211	543	243	60	71	498
23	147	177	248	124	1,120	1,440	217	945	185	58	92	331
24	121	154	279	120	915	1,090	188	1,050	146	66	82	367
25	108	137	636	127	685	413	174	914	119	66	66	301
26	95	126	635	141	477	296	194	850	96	84	59	391
27	85	119	574	118	436	251	254	603	85	80	54	312
28	91	110	616	109	1,130	222	239	457	80	64	50	197
29	273	106	393	104	---	249	210	540	86	59	47	148
30	377	102	265	190	---	482	184	359	78	64	44	112
31	389	---	229	654	---	669	---	252	---	124	41	---
TOTAL	5,885	6,796	12,439	6,817	12,698	18,498	15,377	10,901	6,853	3,639	5,174	7,516
MEAN	190	227	401	220	454	597	513	352	228	117	167	251
MAX	764	519	873	654	1,130	1,660	1,990	1,050	544	414	726	1,320
MIN	29	102	87	104	194	204	174	118	78	52	41	51
CFSM	1.14	1.36	2.42	1.32	2.73	3.59	3.09	2.12	1.38	0.71	1.01	1.51
IN.	1.32	1.52	2.79	1.53	2.85	4.15	3.45	2.44	1.54	0.82	1.16	1.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2003, BY WATER YEAR (WY)

MEAN	93.2	116	152	240	281	308	228	149	125	103	93.7	137
MAX	420	436	401	500	605	718	774	466	468	488	326	2,180
(WY)	(1972)	(1986)	(2003)	(1987)	(1998)	(1998)	(1987)	(1984)	(1979)	(2000)	(1986)	(1999)
MIN	9.65	27.8	37.3	59.5	92.6	77.6	72.9	46.2	6.98	12.0	10.2	4.90
(WY)	(1971)	(1982)	(1966)	(1981)	(1968)	(1988)	(1981)	(2002)	(2002)	(2002)	(1993)	(1968)

PAMLICO RIVER BASIN

02082770 SWIFT CREEK AT HILLIARDSTON, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1963 - 2003	
ANNUAL TOTAL	61,056.1		112,593		168	
ANNUAL MEAN	167		308		308	
HIGHEST ANNUAL MEAN					51.0	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	2,470	Aug 31	1,990	Apr 12	22,000	Sep 17, 1999
LOWEST DAILY MEAN	2.2	Aug 13	29	Oct 10	0.60	Sep 25, 1968
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 10	30	Oct 4	1.1	Sep 21, 1968
MAXIMUM PEAK FLOW			2,080	Apr 12	23,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			12.06	Apr 12	21.30*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			29*	Oct 9	0.60	Sep 25, 1968
ANNUAL RUNOFF (CFSM)	1.01		1.86		1.01	
ANNUAL RUNOFF (INCHES)	13.68		25.23		13.76	
10 PERCENT EXCEEDS	402		639		355	
50 PERCENT EXCEEDS	84		217		92	
90 PERCENT EXCEEDS	6.4		67		24	

* See REMARKS.

