

02113000 FISHER RIVER NEAR COPELAND, NC

LOCATION.--Lat 36°20'28", long 80°41'09", Surry County, Hydrologic Unit 03040101, on left bank 500 ft upstream from bridge on State Highway 268, 1 mi upstream from Cody Creek, and 2 mi northwest of Copeland.

DRAINAGE AREA.--128 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1931 to current year.

REVISED RECORDS.--WSP 1303: 1933(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 913 ft above NGVD of 1929, by barometer. Prior to Sept. 5, 1936, twice daily readings at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some irrigation diversions at times in the growing season. Maximum discharge for period of record, from rating curve extended above 7,500 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow; gage height: 18.4 ft. Minimum discharge for period of record also occurred Sept. 13, 14, 2002. Minimum discharge for current water year also occurred Sept. 25, 30.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	151	228	172	177	273	261	195	118	140	294	112
2	232	149	194	168	163	206	475	180	231	203	193	99
3	214	147	177	164	228	191	323	175	212	123	167	94
4	208	179	168	162	229	183	262	170	168	190	169	90
5	185	186	162	160	188	184	241	167	151	188	149	87
6	175	159	159	157	176	179	225	169	137	213	199	85
7	168	154	162	154	170	170	220	165	130	887	202	82
8	160	149	156	153	167	185	224	162	134	969	166	80
9	158	141	272	150	164	169	212	155	320	237	167	79
10	156	139	527	147	165	163	197	152	189	168	183	77
11	148	139	293	146	153	159	193	150	161	145	162	77
12	145	298	224	144	151	159	187	150	149	150	142	74
13	402	274	197	145	152	153	289	156	165	166	135	72
14	321	191	178	2,560	178	157	558	161	172	173	128	70
15	193	172	169	440	169	148	274	168	144	150	142	71
16	169	163	162	299	162	152	237	171	130	170	174	70
17	159	158	161	248	158	194	220	150	119	225	164	88
18	151	154	158	219	152	185	210	147	115	150	141	79
19	155	151	156	207	147	168	205	165	113	196	140	72
20	155	150	e150	204	147	161	196	201	115	280	137	70
21	153	148	e150	203	154	155	195	183	112	201	147	74
22	151	144	e155	195	149	151	230	151	159	183	119	69
23	157	152	988	189	144	385	338	142	111	139	120	70
24	170	527	524	e190	162	276	218	138	101	121	121	67
25	164	654	290	e185	155	208	201	136	98	112	112	66
26	152	262	237	175	145	190	193	131	99	103	108	75
27	153	213	211	172	145	189	197	126	103	96	108	80
28	166	211	193	158	232	2,290	184	126	118	97	108	72
29	167	183	188	162	---	680	203	126	108	116	102	71
30	169	173	182	191	---	369	204	125	126	114	104	69
31	159	---	176	203	---	295	---	118	---	614	162	---
TOTAL	5,675	6,071	7,347	8,222	4,682	8,727	7,372	4,811	4,308	7,019	4,665	2,341
MEAN	183	202	237	265	167	282	246	155	144	226	150	78.0
MAX	402	654	988	2,560	232	2,290	558	201	320	969	294	112
MIN	145	139	150	144	144	148	184	118	98	96	102	66
CFSM	1.43	1.58	1.85	2.07	1.31	2.20	1.92	1.21	1.12	1.77	1.18	0.61
IN.	1.65	1.76	2.14	2.39	1.36	2.54	2.14	1.40	1.25	2.04	1.36	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

	145	150	169	199	214	247	243	194	176	149	152	143
MEAN	145	150	169	199	214	247	243	194	176	149	152	143
MAX	580	344	365	526	539	667	746	387	491	397	510	735
(WY)	(1938)	(1935)	(1974)	(1936)	(1960)	(1993)	(1983)	(1950)	(1947)	(1943)	(1940)	(1979)
MIN	40.2	48.1	58.1	54.4	68.8	103	102	61.7	29.7	31.3	24.1	27.9
(WY)	(1942)	(2002)	(1956)	(1956)	(1934)	(1981)	(2002)	(2002)	(2002)	(1986)	(2002)	(1954)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	72,990		71,240		182	
ANNUAL MEAN	199		195		73.6	
HIGHEST ANNUAL MEAN					281	1979
LOWEST ANNUAL MEAN					73.6	2002
HIGHEST DAILY MEAN	4,230	Sep 8	2,560	Jan 14	12,100	Sep 22, 1979
LOWEST DAILY MEAN	59	Sep 6	66	Sep 25	11	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	64	Aug 31	70	Sep 19	14	Sep 8, 2002
MAXIMUM PEAK FLOW			5,980	Jan 14	34,200*	Sep 22, 1979
MAXIMUM PEAK STAGE			10.33	Jan 14	19.61	Sep 22, 1979
INSTANTANEOUS LOW FLOW			65*	Sep 24	10*	Sep 12, 2002
ANNUAL RUNOFF (CFSM)	1.56		1.52		1.42	
ANNUAL RUNOFF (INCHES)	21.21		20.70		19.27	
10 PERCENT EXCEEDS	262		261		289	
50 PERCENT EXCEEDS	155		162		136	
90 PERCENT EXCEEDS	96		103		66	

\* See REMARKS.

e Estimated.

