

02113000 FISHER RIVER NEAR COPELAND, NC

LOCATION.--Lat 36°21'26", 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 mi².

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 6,200 ft³/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 Oct. 9, 10, 11, 14, 15.

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	80	109	89	190	109	259	225	513	192	233	408	358
2	70	95	85	215	106	255	212	295	174	1,350	326	235
3	63	87	84	305	102	217	201	273	218	917	825	216
4	58	81	85	253	130	200	194	294	408	386	482	539
5	54	87	134	201	124	192	197	290	312	452	326	316
6	52	219	141	180	106	231	189	308	226	707	323	233
7	48	128	119	165	119	200	255	270	1,190	498	1,750	218
8	47	105	108	158	114	184	235	247	818	330	561	207
9	46	95	111	150	104	177	511	226	405	294	919	194
10	46	93	106	143	109	166	2,590	216	303	288	779	185
11	75	868	322	137	110	160	1,200	208	262	310	766	178
12	78	740	230	130	107	158	493	200	321	255	387	172
13	57	358	390	127	100	157	370	186	332	256	326	172
14	50	217	396	125	102	156	318	182	312	243	313	169
15	47	171	226	122	139	149	289	189	344	228	297	175
16	257	313	182	117	274	617	269	223	1,090	337	394	188
17	175	551	158	120	215	370	252	194	967	291	310	161
18	105	264	145	e118	218	275	1,010	205	512	217	292	163
19	86	198	137	e113	272	250	1,170	204	1,370	264	249	183
20	78	171	334	e110	236	2,020	515	192	529	235	236	158
21	74	157	218	e108	216	635	414	189	382	288	228	156
22	80	145	173	e108	2,350	380	369	223	329	344	238	208
23	70	129	155	e105	958	311	325	246	295	507	225	491
24	65	121	256	e105	407	274	299	222	269	296	230	204
25	63	113	306	e103	307	244	288	210	250	248	206	178
26	81	107	207	e103	263	229	327	609	237	226	197	170
27	75	104	177	e100	283	215	308	263	232	212	194	171
28	80	99	164	e100	319	205	264	226	233	204	201	359
29	134	95	162	e100	---	214	250	213	245	367	204	193
30	152	92	154	116	---	e299	357	213	228	396	284	172
31	142	---	148	114	---	262	---	206	---	622	321	---
TOTAL	2,588	6,112	5,702	4,341	7,999	9,661	13,896	7,735	12,985	11,801	12,797	6,722
MEAN	83.5	204	184	140	286	312	463	250	433	381	413	224
MAX	257	868	396	305	2,350	2,020	2,590	609	1,370	1,350	1,750	539
MIN	46	81	84	100	100	149	189	182	174	204	194	156
CFSM	0.65	1.59	1.44	1.09	2.23	2.43	3.62	1.95	3.38	2.97	3.23	1.75
IN.	0.75	1.78	1.66	1.26	2.32	2.81	4.04	2.25	3.77	3.43	3.72	1.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

MEAN	144	148	166	199	215	248	244	195	176	148	152	140
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	35,869		102,339		181	
ANNUAL MEAN	98.3		280		281	
HIGHEST ANNUAL MEAN					1979	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	900	Jul 26	2,590	Apr 10	12,100	Sep 22, 1979
LOWEST DAILY MEAN	11	Sep 12	46	Oct 9	11	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	14	Sep 8	50	Oct 4	14	Sep 8, 2002
MAXIMUM PEAK FLOW			5,770	Feb 22	34,200*	Sep 22, 1979
MAXIMUM PEAK STAGE			10.13	Feb 22	19.61	Sep 22, 1979
INSTANTANEOUS LOW FLOW			45*	Oct 8	10*	Sep 12, 2002
ANNUAL RUNOFF (CFSM)	0.77		2.19		1.41	
ANNUAL RUNOFF (INCHES)	10.42		29.74		19.22	
10 PERCENT EXCEEDS	182		495		290	
50 PERCENT EXCEEDS	74		216		134	
90 PERCENT EXCEEDS	21		95		65	

e Estimated.
 * See REMARKS.

