

Water-Data Report 2010

02113000 FISHER RIVER NEAR COPELAND, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°20'28", long 80°41'09" referenced to North American Datum of 1983, Surry County, NC, Hydrologic Unit 03040101, on left bank 500 ft upstream from bridge on North Carolina Highway 268, 1 mi upstream from Cody Creek, and 2 mi northwest of Copeland.

DRAINAGE AREA.--128 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1931 to September 2010 (discontinued).

PRECIPITATION: October 2002 to September 2010, station number 362028080410945 (discontinued).

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 909.90, North American Vertical Datum of 1988. Prior to September 5, 1936, twice daily readings at same site, elevation of 913 ft. Satellite telemetry at streamgage.

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 ft³/s on basis of slope-area measurement of peak flow, gage height, 18.4 ft. Minimum discharge for period of record also occurred September 13, 14, 2002. Minimum discharge for current water year also occurred September 25.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	75	280	133	249	363	221	257	156	158	81	215	76
2	75	186	400	232	424	224	245	155	205	77	129	74
3	75	137	766	215	578	232	235	196	194	73	115	70
4	72	116	281	215	501	221	228	182	150	72	103	65
5	72	107	246	222	e850	210	219	154	152	71	124	62
6	76	100	228	214	1,560	206	213	147	135	66	202	63
7	77	96	197	208	536	204	207	141	124	63	115	61
8	68	94	187	187	421	203	224	138	115	60	97	60
9	64	91	1,350	185	360	202	364	131	117	63	88	70
10	65	98	422	203	340	202	234	129	125	90	109	60
11	65	855	282	188	299	208	216	133	115	71	114	59
12	66	1,020	235	170	289	253	208	142	124	100	102	66
13	71	377	325	177	284	864	202	138	168	164	85	59
14	72	242	306	164	267	410	196	132	148	111	85	54
15	95	197	245	154	267	302	193	167	156	83	157	51
16	87	174	217	156	259	260	190	251	172	76	110	49
17	78	159	201	969	245	241	185	582	160	132	104	49
18	72	156	201	477	248	231	180	285	117	241	239	48
19	68	274	250	336	237	219	176	210	110	213	240	48
20	68	224	209	294	239	211	175	179	168	107	321	49
21	69	187	204	312	244	208	205	163	119	88	153	45
22	68	170	202	372	260	640	182	173	107	79	132	46
23	68	180	203	266	272	359	174	192	100	74	115	47
24	80	176	200	693	271	283	173	158	96	70	98	46
25	103	162	1,800	4,100	255	258	201	181	96	66	114	44
26	77	154	1,030	776	239	309	180	162	100	60	99	68
27	78	145	455	554	236	259	170	146	92	178	191	234
28	209	138	350	452	229	283	171	159	110	194	124	313
29	129	136	295	435	---	596	159	259	90	119	96	136
30	102	135	262	424	---	328	158	145	84	85	90	159
31	101	---	259	382	---	279	---	137	---	95	81	---
Total	2,545	6,566	11,941	13,981	10,573	9,126	6,120	5,623	3,907	3,122	4,147	2,331
Mean	82.1	219	385	451	378	294	204	181	130	101	134	77.7
Max	209	1,020	1,800	4,100	1,560	864	364	582	205	241	321	313
Min	64	91	133	154	229	202	158	129	84	60	81	44
Cfsm	0.64	1.71	3.01	3.52	2.95	2.30	1.59	1.42	1.02	0.79	1.05	0.61
In.	0.74	1.91	3.47	4.06	3.07	2.65	1.78	1.63	1.14	0.91	1.21	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	144	150	171	203	212	243	239	192	175	146	147	140
Max	580	344	385	526	539	667	746	387	491	397	510	735
(WY)	(1938)	(1935)	(2010)	(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

	Calendar Year 2009		Water Year 2010		Water Years 1932 - 2010	
Annual total	68,434		79,982			
Annual mean	187		219		180	
Highest annual mean					281	1979
Lowest annual mean					73.6	2002
Highest daily mean	2,060	Jan 7	4,100	Jan 25	12,100	Sep 22, 1979
Lowest daily mean	64	Oct 9	44	Sep 25	11	Sep 12, 2002
Annual seven-day minimum	67	Oct 8	46	Sep 19	14	Sep 8, 2002
Maximum peak flow			7,630	Jan 25	^a 34,200	Sep 22, 1979
Maximum peak stage			11.80	Jan 25	19.61	Sep 22, 1979
Instantaneous low flow			^a 42	Sep 24	^a 10	Sep 12, 2002
Annual runoff (cfsm)	1.46		1.71		1.41	
Annual runoff (inches)	19.89		23.24		19.11	
10 percent exceeds	302		359		287	
50 percent exceeds	124		171		134	
90 percent exceeds	78		68		65	

^a See Remarks.

