



Water-Data Report 2010

02115860 MUDDY CREEK NEAR MUDDY CREEK, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°00'01", long 80°20'25" referenced to North American Datum of 1983, Forsyth County, NC, Hydrologic Unit 03040101, on right bank 100 ft upstream from bridge on Secondary Road 2995, 0.2 mi downstream of Salem Creek and 1.8 mi east of Muddy Creek.

DRAINAGE AREA.--186 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1964 to September 1979, February 1988 to September 1991, June 2007 to September 2010 (discontinued); 1993-2006, discharge measurements only.

REVISED RECORDS.--WDR-US-2008: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 669.92 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records good. Records on falling stages following peaks above 14 ft may be affected by backwater and subject to error. Some regulations by Salem Lake.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	75	2,330	153	220	256	166	284	149	170	94	128	83
2	71	464	620	194	508	183	241	149	476	90	108	81
3	67	211	911	179	908	217	221	188	1,080	87	102	77
4	64	160	295	174	561	185	206	174	254	84	96	72
5	72	138	286	171	1,930	168	198	150	182	83	131	68
6	76	123	240	171	3,370	160	193	142	153	83	145	68
7	72	114	189	162	801	156	184	137	150	81	93	72
8	68	109	179	167	495	159	304	130	131	80	81	75
9	64	108	1,880	151	417	158	1,700	121	128	87	82	80
10	147	158	566	147	423	155	360	125	134	87	79	74
11	85	2,940	279	148	316	177	250	134	125	79	77	70
12	93	3,140	212	155	277	297	222	141	146	148	1,440	81
13	114	1,100	567	146	267	1,350	204	139	601	341	249	77
14	94	405	457	143	239	450	191	133	592	625	133	71
15	128	263	260	139	277	258	185	142	514	154	295	69
16	93	211	206	137	293	208	181	171	229	108	144	68
17	78	181	180	1,300	229	188	173	1,010	171	520	130	65
18	70	178	180	459	214	178	165	387	144	500	393	62
19	72	190	260	256	204	170	164	211	129	198	440	61
20	70	157	279	210	196	160	165	174	122	132	304	64
21	69	144	264	295	190	157	199	155	118	145	152	65
22	69	138	228	417	277	264	176	164	116	110	121	65
23	68	503	203	238	226	185	162	675	113	140	109	64
24	128	274	195	302	228	162	162	284	122	105	153	63
25	118	192	1,880	5,130	230	157	309	233	112	90	149	58
26	84	167	1,890	2,110	189	204	196	174	106	87	108	154
27	148	168	507	457	177	174	166	154	101	150	98	473
28	756	146	346	335	170	544	157	296	101	373	91	318
29	167	139	264	269	---	3,960	151	469	96	143	88	144
30	114	144	232	291	---	709	152	178	96	108	88	1,850
31	100	---	242	260	---	382	---	168	---	106	86	---
Total	3,494	14,695	14,450	14,933	13,868	12,041	7,621	7,057	6,712	5,218	5,893	4,692
Mean	113	490	466	482	495	388	254	228	224	168	190	156
Max	756	3,140	1,890	5,130	3,370	3,960	1,700	1,010	1,080	625	1,440	1,850
Min	64	108	153	137	170	155	151	121	96	79	77	58
Cfsm	0.61	2.63	2.51	2.59	2.66	2.09	1.37	1.22	1.20	0.90	1.02	0.84
In.	0.70	2.94	2.89	2.99	2.77	2.41	1.52	1.41	1.34	1.04	1.18	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2010 ^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	232	172	248	294	296	301	238	269	214	174	179	160
Max	724	490	519	697	670	570	396	546	784	644	705	500
(WY)	(1991)	(2010)	(1974)	(1978)	(1979)	(1991)	(1991)	(1972)	(1972)	(1975)	(1970)	(1979)
Min	71.3	78.8	75.6	114	121	117	103	120	88.0	81.8	68.2	50.6
(WY)	(1968)	(1968)	(1989)	(2008)	(1968)	(1967)	(1967)	(1988)	(1967)	(1967)	(2007)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1964 - 2010 ^a	
Annual total	85,006		110,674			
Annual mean	233		303		230	
Highest annual mean					336	1979
Lowest annual mean					96.2	2007
Highest daily mean	3,140	Nov 12	5,130	Jan 25	8,130	Jun 22, 1972
Lowest daily mean	47	Sep 15	58	Sep 25	35	Oct 6, 1968
Annual seven-day minimum	49	Aug 15	63	Sep 19	46	Sep 30, 1968
Maximum peak flow			5,540	Jan 25	14,500	Jun 22, 1972
Maximum peak stage			17.43	Jan 25	21.26	Jun 22, 1972
Instantaneous low flow			47	Sep 25	21	Oct 6, 1968
Annual runoff (cfsm)	1.25		1.63		1.24	
Annual runoff (inches)	17.00		22.13		16.78	
10 percent exceeds	389		507		368	
50 percent exceeds	138		166		141	
90 percent exceeds	65		77		78	

^a See Period of Record.

