

Water-Data Report 2010

02070500 MAYO RIVER NEAR PRICE, NC

Roanoke Basin
Upper Dan Subbasin

LOCATION.--Lat 36°32'02", long 79°59'29" referenced to North American Datum of 1983, Rockingham County, NC, Hydrologic Unit 03010103, on right bank 350 ft downstream from Anglins Bridge on Secondary Road 1358, 0.5 mi downstream from confluence of North and South Mayo Rivers, 0.8 mi downstream from Virginia-North Carolina state line, and 4.0 mi west of Price.

DRAINAGE AREA.--242 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1929 to September 1971, October 1993 to current year.

REVISED RECORDS.--WRIR 96-4154: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 689.95 ft above National Geodetic Vertical Datum of 1929. Prior to October 29, 1929, nonrecording gage at same site and datum. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

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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	120	940	193	366	415	358	432	267	221	146	181	186
2	115	443	348	342	416	355	407	262	242	143	175	180
3	115	243	1,140	e309	668	366	396	290	245	137	171	175
4	110	190	443	e308	595	352	390	335	258	138	161	165
5	104	166	363	e315	709	333	383	273	231	137	279	155
6	109	151	376	e296	1,540	324	389	257	211	130	588	155
7	114	143	308	e285	816	319	364	251	201	125	248	155
8	106	138	281	e263	631	317	366	242	188	119	199	154
9	98	134	1,710	e250	530	316	799	227	187	124	183	160
10	105	138	828	e264	525	316	481	222	195	145	173	153
11	104	1,750	469	e271	455	320	434	223	181	131	191	146
12	96	5,800	366	e271	427	366	393	237	175	118	359	157
13	102	1,370	472	e268	409	887	365	237	223	178	218	155
14	106	574	604	e254	387	873	352	237	200	169	360	142
15	133	394	426	e231	388	580	338	276	199	143	352	133
16	129	320	354	e230	389	471	332	260	345	130	380	128
17	114	280	315	1,280	362	422	322	611	382	220	263	123
18	103	256	304	751	351	397	311	498	233	284	724	120
19	96	264	358	451	350	377	305	335	199	178	488	118
20	97	245	317	377	358	360	299	296	196	160	483	119
21	98	222	291	391	380	349	336	265	183	163	332	114
22	95	210	286	607	442	419	329	258	171	161	277	111
23	93	249	286	466	458	389	298	275	171	173	247	132
24	106	282	282	426	512	354	293	252	185	169	224	127
25	117	243	1,390	10,000	488	342	341	256	164	140	253	115
26	98	225	2,000	1,640	420	383	315	247	155	127	233	135
27	103	214	845	917	394	364	295	231	152	170	280	469
28	348	198	590	626	374	358	289	223	153	291	235	543
29	207	192	464	523	---	887	276	246	176	181	216	318
30	147	191	395	530	---	609	272	222	153	155	204	3,540
31	132	---	374	472	---	481	---	211	---	143	193	---
Total	3,720	16,165	17,178	23,980	14,189	13,344	10,902	8,522	6,175	4,928	8,870	8,583
Mean	120	539	554	774	507	430	363	275	206	159	286	286
Max	348	5,800	2,000	10,000	1,540	887	799	611	382	291	724	3,540
Min	93	134	193	230	350	316	272	211	152	118	161	111
Cfsm	0.50	2.23	2.29	3.20	2.09	1.78	1.50	1.14	0.85	0.66	1.18	1.18
In.	0.57	2.48	2.64	3.69	2.18	2.05	1.68	1.31	0.95	0.76	1.36	1.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2010 ^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	263	253	298	364	382	419	391	318	300	254	253	250
Max	1,250	578	661	1,022	900	982	764	659	1,018	799	943	1,002
(WY)	(1938)	(1958)	(1997)	(1936)	(1960)	(1994)	(2003)	(1949)	(2003)	(2003)	(1940)	(1945)
Min	84.5	95.9	118	112	139	202	164	157	78.6	77.3	47.5	62.0
(WY)	(1932)	(1932)	(1956)	(1956)	(1931)	(2008)	(2002)	(1956)	(2002)	(2002)	(2002)	(1954)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1929 - 2010 ^a	
Annual total	113,208		136,556			
Annual mean	310		374		312	
Highest annual mean					547	2003
Lowest annual mean					136	2002
Highest daily mean	5,800	Nov 12	10,000	Jan 25	11,400	Sep 18, 1945
Lowest daily mean	85	Sep 16	93	Oct 23	33	Aug 11, 2002
Annual seven-day minimum	98	Sep 10	98	Oct 18	33	Aug 10, 2002
Maximum peak flow			18,900	Jan 25	30,000	Oct 19, 1937
Maximum peak stage			11.73	Jan 25	14.00	Oct 19, 1937
Instantaneous low flow			91	Oct 23	32	Oct 8, 1954
Annual runoff (cfsm)	1.28		1.55		1.29	
Annual runoff (inches)	17.40		20.99		17.49	
10 percent exceeds	457		555		496	
50 percent exceeds	211		271		233	
90 percent exceeds	114		126		122	

^a See Period of Record.

