

ROANOKE RIVER BASIN

02070500 MAYO RIVER NEAR PRICE, NC

LOCATION.--Lat 36°32'05", long 79°59'29", Rockingham County, 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.

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

REVISED RECORDS.--WSP 2104: Drainage area. WRIR 96-4154: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 689.95 ft above NGVD of 1929. Prior to Oct. 29, 1929, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred Oct. 8, 9, 10.

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	104	249	142	307	189	602	478	507	369	471	620	468
2	95	203	139	394	185	556	429	410	320	1,020	462	401
3	99	179	139	440	176	464	397	382	328	1,460	617	381
4	90	172	139	437	206	399	376	551	543	716	873	719
5	85	173	e138	347	251	371	368	459	1,590	669	680	652
6	79	356	e136	305	201	414	355	476	683	1,280	613	442
7	74	266	e135	273	216	379	803	423	1,340	1,440	1,720	410
8	73	215	e134	258	205	339	696	390	1,990	631	1,300	397
9	73	193	e133	246	187	322	1,610	371	3,120	539	865	384
10	74	181	e132	232	198	305	3,770	350	1,090	574	1,680	382
11	164	334	e160	217	212	289	2,860	336	758	497	3,190	375
12	211	831	467	206	208	282	1,110	324	1,300	460	1,010	367
13	127	727	805	200	199	280	781	303	1,020	603	725	365
14	106	414	1,040	e192	195	285	650	294	1,670	3,590	602	371
15	98	319	484	e188	244	265	581	295	981	910	552	365
16	425	486	349	e182	689	564	535	328	2,020	922	705	357
17	417	1,120	289	e178	450	543	499	305	1,740	1,430	850	334
18	223	514	253	e172	348	408	534	330	1,300	629	636	372
19	171	349	233	e170	357	361	799	360	1,420	638	499	606
20	148	285	444	e168	499	8,250	629	320	1,090	708	474	375
21	149	252	406	e166	561	2,040	557	297	842	524	455	345
22	161	229	305	e164	3,430	932	523	392	725	500	598	338
23	143	204	264	e162	2,460	628	475	473	652	520	476	2,870
24	128	188	383	e160	833	527	447	399	602	913	441	655
25	123	181	890	e156	568	467	437	643	573	512	414	468
26	149	172	498	e154	465	430	477	1,090	521	454	399	417
27	160	166	358	e154	453	401	508	655	502	427	390	391
28	147	158	306	e152	598	376	433	589	498	412	381	399
29	296	152	275	e150	---	386	406	451	485	401	375	362
30	418	150	253	195	---	671	390	417	464	446	404	345
31	360	---	237	200	---	667	---	379	---	469	492	---
TOTAL	5,170	9,418	10,066	6,925	14,783	23,203	22,913	13,299	30,536	24,765	23,498	15,113
MEAN	167	314	325	223	528	748	764	429	1,018	799	758	504
MAX	425	1,120	1,040	440	3,430	8,250	3,770	1,090	3,120	3,590	3,190	2,870
MIN	73	150	132	150	176	265	355	294	320	401	375	334
CFSM	0.69	1.30	1.34	0.92	2.18	3.09	3.16	1.77	4.21	3.30	3.13	2.08
IN.	0.79	1.45	1.55	1.06	2.27	3.57	3.52	2.04	4.69	3.81	3.61	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003,[®] BY WATER YEAR (WY)

MEAN	265	241	287	353	390	428	397	324	296	258	258	245
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	221	164	157	78.6	77.3	47.5	62.0
(WY)	(1932)	(1932)	(1956)	(1956)	(1931)	(1940)	(2002)	(1956)	(2002)	(2002)	(2002)	(1954)

02070500 MAYO RIVER NEAR PRICE, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003 [®]	
ANNUAL TOTAL	63,574		199,689		312	
ANNUAL MEAN	174		547		547	
HIGHEST ANNUAL MEAN					547	2003
LOWEST ANNUAL MEAN					136	2002
HIGHEST DAILY MEAN	1,560	Mar 18	8,250	Mar 20	11,400	Sep 18, 1945
LOWEST DAILY MEAN	33	Aug 11	73	Oct 8	33	Aug 11, 2002
ANNUAL SEVEN-DAY MINIMUM	33	Aug 10	78	Oct 4	33	Aug 10, 2002
MAXIMUM PEAK FLOW			13,000	Mar 20	30,000	Oct 19, 1937
MAXIMUM PEAK STAGE			9.81	Mar 20	14.00	Oct 19, 1937
INSTANTANEOUS LOW FLOW			73*	Oct 7	32	Oct 8, 1954
ANNUAL RUNOFF (CFSM)	0.72		2.26		1.29	
ANNUAL RUNOFF (INCHES)	9.77		30.70		17.49	
10 PERCENT EXCEEDS	312		993		500	
50 PERCENT EXCEEDS	143		399		231	
90 PERCENT EXCEEDS	48		155		123	

e Estimated.
[®] See PERIOD OF RECORD.
 * See REMARKS.

