

## ROANOKE RIVER BASIN

02070500 MAYO RIVER NEAR PRICE, NC

LOCATION.--Lat 36°32'05", long 79°59'30", 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 mi<sup>2</sup>.

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.--No estimated daily discharges. Records good. Minimum discharge for current water year also occurred Aug. 12, 13, 15, 16, 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	92	111	141	172	123	286	110	136	61	46	121
2	82	92	113	189	163	139	243	121	116	62	43	94
3	80	95	104	152	153	323	222	358	104	73	39	72
4	76	99	101	136	149	248	201	195	96	81	38	63
5	73	94	101	168	139	195	188	175	92	79	36	69
6	70	92	101	201	140	179	180	149	100	62	35	60
7	69	93	102	223	238	170	174	137	119	50	34	50
8	70	93	110	204	285	162	170	145	101	46	34	46
9	70	93	117	192	222	158	169	229	91	44	34	44
10	74	93	120	150	199	160	182	298	86	54	34	44
11	77	92	475	147	206	149	173	200	82	94	33	42
12	79	93	292	141	187	150	162	165	77	72	33	40
13	78	92	207	138	177	203	162	156	74	57	34	40
14	80	93	187	133	169	221	161	249	80	56	34	54
15	174	93	168	131	162	193	168	183	78	77	33	165
16	118	95	150	129	161	182	162	155	72	69	33	188
17	89	96	148	128	158	427	154	142	66	55	104	123
18	84	96	267	130	151	1560	164	159	63	46	94	83
19	85	97	225	161	147	757	156	201	61	45	62	114
20	87	97	181	300	147	419	149	148	57	48	44	108
21	89	95	160	244	149	324	144	140	55	44	38	85
22	89	94	150	212	145	264	140	136	51	42	37	75
23	89	95	148	307	139	229	132	132	48	40	36	82
24	88	101	181	483	136	211	126	129	48	49	39	79
25	87	120	189	470	133	198	132	124	48	290	39	68
26	84	127	161	367	133	196	136	119	47	212	54	123
27	83	113	149	279	131	257	123	115	50	197	71	368
28	84	104	143	235	126	211	121	112	88	102	64	247
29	86	105	140	210	---	193	121	113	95	76	65	157
30	88	108	134	192	---	187	114	108	77	62	76	120
31	91	---	131	179	---	264	---	112	---	51	75	---
TOTAL	2655	2942	5066	6472	4617	8652	4915	5015	2358	2396	1471	3024
MEAN	85.65	98.07	163.4	208.8	164.9	279.1	163.8	161.8	78.60	77.29	47.45	100.8
MAX	174	127	475	483	285	1560	286	358	136	290	104	368
MIN	69	92	101	128	126	123	114	108	47	40	33	40
CFSM	0.35	0.41	0.68	0.86	0.68	1.15	0.68	0.67	0.32	0.32	0.20	0.42
IN.	0.41	0.45	0.78	0.99	0.71	1.33	0.76	0.77	0.36	0.37	0.23	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002,<sup>®</sup> BY WATER YEAR (WY)

	MEAN	267.2	240.0	286.8	355.3	387.7	421.9	389.3	321.8	282.3	247.3	248.6	240.4
MAX	1250	578	661	1022	900	982	694	659	654	609	943	1002	
(WY)	1938	1958	1997	1936	1960	1994	1958	1949	1943	1949	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	

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002 <sup>®</sup>	
ANNUAL TOTAL	64987		49583			
ANNUAL MEAN	178.0		135.8		306.9	
HIGHEST ANNUAL MEAN					479	
LOWEST ANNUAL MEAN					136	
HIGHEST DAILY MEAN	1660	Mar 30	1560	Mar 18	11400	Sep 18 1945
LOWEST DAILY MEAN	69	Oct 7	33	Aug 11	33	Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	72	Oct 4	33	Aug 10	33	Aug 10 2002
MAXIMUM PEAK FLOW			2150		30000	
MAXIMUM PEAK STAGE			4.18		14.00	
INSTANTANEOUS LOW FLOW			33*		32	
ANNUAL RUNOFF (CFSM)	0.74		0.56		1.27	
ANNUAL RUNOFF (INCHES)	9.99		7.62		17.23	
10 PERCENT EXCEEDS	274		222		490	
50 PERCENT EXCEEDS	147		119		230	
90 PERCENT EXCEEDS	87		48		122	

<sup>®</sup> See PERIOD OF RECORD.

\* See REMARKS.

02070500 MAYO RIVER NEAR PRICE, NC--Continued

