

ROANOKE RIVER BASIN

0208111310 CASHIE RIVER AT SECONDARY ROAD 1257 NEAR WINDSOR, NC

LOCATION.--Lat 36°02'51", long 76°59'07", Bertie County, Hydrologic Unit 03010107, at downstream side of bridge on Secondary Road 1257, 2.0 mi upstream from State Highway 13 near Windsor.

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 15 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges and those below 5 ft³/s, which are poor. Maximum discharge for period of record, from rating curve extended above 5,500 ft³/s on basis of logarithmic plotting. Maximum gage height for period of record, from flood mark. Periods of no flow occur periodically.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	2.1	38	e21	19	72	324	25	3.0	13	173	4.8
2	124	1.9	32	e21	18	63	485	20	46	9.0	92	5.3
3	84	1.7	30	e18	17	57	677	16	94	5.7	43	4.4
4	61	1.5	33	e17	15	66	590	12	51	4.0	21	3.7
5	45	2.4	36	e18	23	102	421	9.6	21	12	9.7	3.3
6	32	1.8	35	19	34	127	297	7.0	74	6.4	5.3	2.8
7	17	1.9	35	e19	40	131	213	5.5	154	4.1	3.9	2.3
8	11	2.1	37	22	38	118	158	4.3	161	2.9	2.5	1.7
9	7.0	2.2	40	26	40	98	123	3.4	139	2.6	1.7	1.5
10	5.0	2.6	40	27	40	79	97	2.7	110	2.0	1.2	1.3
11	4.9	2.2	41	25	35	67	76	1.0	77	1.2	5.0	29
12	4.6	2.0	42	25	32	59	64	.90	46	.80	6.7	8.1
13	4.2	2.1	40	24	31	52	53	1.2	25	.63	10	4.0
14	3.6	2.5	40	24	31	46	43	.56	16	.53	49	2.5
15	3.0	2.6	44	33	31	44	34	.39	42	.43	96	1.7
16	2.6	2.5	48	40	32	59	28	.42	1360	.31	66	1.3
17	2.2	2.6	51	37	44	73	22	.39	4000	.24	26	.94
18	1.8	2.4	53	30	71	74	22	.32	3280	.85	17	.79
19	1.6	3.1	52	27	81	72	19	.30	1700	1.5	60	.70
20	1.8	5.0	49	31	80	65	17	.25	898	.56	93	1.0
21	1.8	5.5	53	40	80	114	16	.31	517	.28	203	.97
22	1.9	5.8	54	41	81	278	15	.31	308	.30	162	.71
23	2.0	6.3	48	37	106	370	13	.49	245	.35	64	.57
24	2.1	6.4	e42	33	129	333	11	.24	460	.41	54	1.3
25	2.3	11	37	31	119	235	11	.18	384	.44	51	2.6
26	2.5	29	e34	28	113	166	13	1.3	180	.32	38	1.2
27	3.0	38	e31	25	101	124	11	3.3	94	173	23	.69
28	2.9	42	29	23	85	96	13	1.6	56	517	13	.51
29	3.1	46	27	21	---	87	20	1.9	35	358	8.8	.44
30	3.0	47	26	21	---	137	25	1.9	22	278	6.9	.37
31	2.5	---	e23	21	---	258	---	1.5	---	247	5.2	---
TOTAL	626.4	284.2	1220	825	1566	3722	3911	124.26	14598.0	1643.85	1410.9	90.49
MEAN	20.2	9.47	39.4	26.6	55.9	120	130	4.01	487	53.0	45.5	3.02
MAX	183	47	54	41	129	370	677	25	4000	517	203	29
MIN	1.6	1.5	23	17	15	44	11	.18	3.0	.24	1.2	.37
CFSM	.19	.09	.36	.25	.52	1.11	1.21	.04	4.51	.49	.42	.03
IN.	.22	.10	.42	.28	.54	1.28	1.35	.04	5.03	.57	.49	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	77.2	37.6	80.0	192	206	237	130	56.2	74.0	31.7	77.1	172			
MAX	614	158	254	509	651	663	326	321	487	102	488	1838			
(WY)	2000	1993	1990	1993	1998	1989	1989	1989	2001	1991	1992	1999			
MIN	.000	.065	1.70	26.6	55.9	58.3	5.25	1.07	.010	.000	.009	.000			
(WY)	1995	1995	1995	2001	2001	1988	1995	1994	1994	1994	1993	1994			

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1987 - 2001
ANNUAL TOTAL	31092.26	30022.10	
ANNUAL MEAN	85.0	82.3	116
HIGHEST ANNUAL MEAN			208
LOWEST ANNUAL MEAN			57.1
HIGHEST DAILY MEAN	1500	4000	14500
LOWEST DAILY MEAN	.23	.18	.00
ANNUAL SEVEN-DAY MINIMUM	1.2	.30	.00
MAXIMUM PEAK FLOW		4210	15700*
MAXIMUM PEAK STAGE		12.07	18.52*
INSTANTANEOUS LOW FLOW		.12	.00*
ANNUAL RUNOFF (CFSM)	.79	.76	1.07
ANNUAL RUNOFF (INCHES)	10.71	10.34	14.55
10 PERCENT EXCEEDS	213	145	275
50 PERCENT EXCEEDS	35	23	28
90 PERCENT EXCEEDS	2.1	.96	.07

e Estimated.

* See REMARKS.

0208111310 CASHIE RIVER AT SECONDARY ROAD 1257 NEAR WINDSOR, NC--Continued

