

Water-Data Report 2008

0208111310 CASHIE RIVER AT SECONDARY ROAD 1257 NEAR WINDSOR, NC

Roanoke Basin
Lower Roanoke Subbasin

LOCATION.--Lat 36°02'52", long 76°59'03" referenced to North American Datum of 1983, Bertie County, NC, Hydrologic Unit 03010107, at downstream side of bridge on Secondary Road 1257, 2.0 mi upstream from North Carolina Highway 13 near Windsor.

DRAINAGE AREA.--108 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.16 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, 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 at times most years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	e0.08	23	20	142	42	118	4.0	0.00	1.4	0.00
2	0.00	e0.00	e0.10	25	21	120	45	104	3.4	0.00	1.2	0.00
3	0.00	e0.02	0.10	24	22	102	44	117	3.0	0.00	0.86	0.00
4	0.00	e0.03	0.08	21	21	88	47	129	3.0	0.00	0.24	0.00
5	0.00	e0.03	0.08	18	20	153	57	107	2.3	0.00	0.11	0.00
6	0.00	e0.04	0.10	16	19	286	91	79	1.5	0.00	0.08	0.00
7	0.00	e0.04	0.09	14	19	315	141	60	0.80	0.44	0.06	0.00
8	0.00	e0.04	0.12	13	18	487	176	47	0.33	0.32	0.15	0.00
9	0.00	e0.03	0.15	11	17	625	201	40	0.13	1.5	0.12	0.00
10	0.00	e0.03	0.20	9.8	17	547	190	32	0.03	7.3	0.08	0.00
11	0.00	e0.03	0.21	10	16	429	154	26	0.00	24	0.09	0.00
12	0.00	e0.03	0.20	9.2	16	330	120	27	0.07	18	e0.04	0.00
13	0.00	e0.02	0.23	12	25	239	104	28	0.23	11	e0.03	0.00
14	0.00	e0.02	0.26	14	43	171	90	33	0.38	5.2	0.08	0.00
15	0.00	e0.02	0.32	14	56	129	76	56	0.35	2.2	0.09	0.00
16	0.00	e0.02	3.8	14	56	116	67	65	0.24	0.81	0.08	0.00
17	0.00	e0.02	2.3	15	55	111	60	61	0.12	0.99	0.04	0.00
18	0.00	e0.02	5.0	16	178	105	54	51	0.06	1.5	0.02	0.00
19	0.00	e0.02	4.0	17	717	100	48	45	0.03	1.4	0.01	0.00
20	0.00	e0.02	2.8	20	600	95	45	38	0.01	2.0	0.00	0.00
21	0.00	e0.02	2.4	21	399	85	55	31	0.00	1.9	0.00	0.00
22	0.00	e0.02	2.0	21	301	76	77	25	0.00	1.3	0.00	0.00
23	0.00	e0.02	3.0	22	288	69	161	20	0.00	1.6	0.00	0.00
24	0.00	e0.02	4.5	23	306	62	285	16	0.00	3.7	0.00	0.00
25	0.00	e0.02	6.5	22	270	60	254	12	0.00	3.5	0.00	0.00
26	0.00	e0.03	10	22	233	55	199	8.9	0.00	3.2	0.00	0.00
27	0.50	e0.03	12	21	213	49	148	5.8	0.00	2.5	0.00	0.00
28	0.44	e0.04	14	20	198	45	118	4.5	0.00	2.3	0.00	0.00
29	0.08	e0.06	14	20	168	42	108	5.5	0.00	2.4	0.00	0.00
30	0.01	e0.07	17	19	---	39	119	5.9	0.00	2.2	0.00	0.00
31	0.00	---	19	18	---	41	---	4.9	---	1.9	0.00	---
Total	1.03	0.81	124.62	545.0	4,332	5,313	3,376	1,402.5	19.98	103.16	4.78	0.00
Mean	0.03	0.03	4.02	17.6	149	171	113	45.2	0.67	3.33	0.15	0.00
Max	0.50	0.07	19	25	717	625	285	129	4.0	24	1.4	0.00
Min	0.00	0.00	0.08	9.2	16	39	42	4.5	0.00	0.00	0.00	0.00
Cfsm	0.00	0.00	0.04	0.16	1.38	1.59	1.04	0.42	0.01	0.03	0.00	0.00
In.	0.00	0.00	0.04	0.19	1.49	1.83	1.16	0.48	0.01	0.04	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	61.7	70.3	103	163	189	209	130	62.5	80.7	36.5	91.1	159
Max	614	545	360	509	651	663	367	321	487	249	610	1,838
(WY)	(2000)	(2007)	(2004)	(1993)	(1998)	(1989)	(2003)	(1989)	(2001)	(2006)	(2004)	(1999)
Min	0.00	0.03	0.41	17.6	49.5	30.2	5.25	1.07	0.01	0.00	0.00	0.00
(WY)	(1995)	(2008)	(2002)	(2008)	(2002)	(2006)	(1995)	(1994)	(1994)	(1994)	(2007)	(1994)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1987 - 2008	
Annual total	18,638.09		15,222.88			
Annual mean	51.1		41.6		114	
Highest annual mean					220	
Lowest annual mean					20.9	
Highest daily mean	718	Apr 17	717	Feb 19	14,500	Sep 17, 1999
Lowest daily mean	0.00	Jul 7	0.00	Oct 1	0.00	Jul 30, 1987
Annual seven-day minimum	0.00	Jul 23	0.00	Oct 1	0.00	Oct 8, 1987
Maximum peak flow			791	Feb 19	^a 15,700	Sep 16, 1999
Maximum peak stage			7.37	Feb 19	^a 18.52	Sep 16, 1999
Instantaneous low flow			^a 0.00	Oct 1	^a 0.00	Jul 29, 1987
Annual runoff (cfs)	0.473		0.385		1.05	
Annual runoff (inches)	6.42		5.24		14.31	
10 percent exceeds	149		120		272	
50 percent exceeds	0.26		2.2		33	
90 percent exceeds	0.00		0.00		0.04	

^aSee Remarks.