

Water-Data Report 2010

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 streamgage.

REMARKS.--Records good except those for discharges below 10 ft³/s and 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 most years.

20208111310 CASHIE RIVER AT SECONDARY ROAD 1257 NEAR WINDSOR, NC—Continued

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	0.41	0.16	32	257	230	123	972	0.10	0.58	2.7	0.00	0.00
2	0.37	0.26	42	268	203	117	613	0.01	0.09	2.4	0.00	0.00
3	0.31	0.34	104	237	230	195	375	0.01	0.02	1.9	0.00	0.00
4	0.18	0.63	161	208	348	410	246	0.01	0.01	1.2	0.00	0.00
5	0.11	0.94	178	e185	435	463	176	0.02	0.01	0.43	0.00	0.00
6	0.07	1.1	222	e165	1,250	449	134	0.02	0.05	0.10	0.00	0.00
7	0.05	1.4	260	e145	1,780	366	106	0.01	0.16	0.05	0.00	0.00
8	0.04	1.6	256	130	1,430	273	86	0.01	0.23	0.02	0.00	0.00
9	0.04	1.8	494	114	970	204	79	0.02	0.43	0.01	0.00	0.00
10	0.04	2.1	1,110	e100	655	161	71	0.05	0.64	0.00	0.00	0.00
11	0.03	11	993	e95	485	136	58	0.07	0.67	0.00	0.00	0.00
12	0.02	169	839	87	373	134	39	0.09	0.46	0.00	0.00	0.00
13	0.03	589	597	e80	309	182	26	0.85	0.43	0.00	0.00	0.00
14	0.02	736	408	75	275	213	17	1.0	0.33	0.00	0.00	0.00
15	0.02	678	295	72	236	183	12	1.6	0.23	0.00	0.00	0.00
16	0.02	615	225	69	208	158	8.6	2.2	0.22	0.00	0.00	0.00
17	0.01	435	181	81	186	145	4.8	12	0.46	0.00	0.00	0.00
18	0.00	292	154	132	165	133	1.7	303	27	0.00	0.00	0.00
19	0.00	204	170	188	149	119	0.56	731	91	0.00	0.00	0.00
20	0.00	149	242	192	133	103	0.15	513	83	0.00	0.00	0.00
21	0.00	115	273	202	118	90	0.06	380	51	0.00	0.00	0.00
22	0.00	93	262	272	110	81	0.12	258	20	0.00	0.00	0.00
23	0.00	79	262	439	111	73	0.05	183	9.4	0.00	0.00	0.00
24	0.00	71	236	455	114	66	0.02	137	5.0	0.00	0.00	0.00
25	0.00	65	209	568	123	53	0.03	102	3.0	0.00	0.00	0.00
26	0.00	52	345	942	137	43	0.03	82	1.8	0.00	0.00	0.00
27	0.00	46	499	768	139	40	0.09	58	1.4	0.00	0.00	0.00
28	0.00	40	413	637	131	33	0.19	29	1.3	0.00	0.00	0.25
29	0.00	35	338	491	---	193	0.33	15	1.2	0.00	0.00	48
30	0.00	32	275	368	---	961	0.28	7.8	2.8	0.00	0.00	3,050
31	0.03	---	246	286	---	1,140	---	3.2	---	0.00	0.00	---
Total	1.80	4,516.33	10,321	8,308	11,033	7,040	3,027.01	2,820.07	302.92	8.81	0.00	3,098.25
Mean	0.06	151	333	268	394	227	101	91.0	10.1	0.28	0.00	103
Max	0.41	736	1,110	942	1,780	1,140	972	731	91	2.7	0.00	3,050
Min	0.00	0.16	32	69	110	33	0.02	0.01	0.01	0.00	0.00	0.00
Cfsm	0.00	1.39	3.08	2.48	3.65	2.10	0.93	0.84	0.09	0.00	0.00	0.96
In.	0.00	1.56	3.56	2.86	3.80	2.42	1.04	0.97	0.10	0.00	0.00	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	56.3	70.7	109	162	191	210	126	61.1	74.4	33.5	83.6	150
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	0.00	0.41	17.6	22.6	30.2	5.25	0.90	0.01	0.00	0.00	0.00
(WY)	(1995)	(2009)	(2002)	(2008)	(2009)	(2006)	(1995)	(2009)	(1994)	(1994)	(2010)	(1994)

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

SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1987 - 2010	
Annual total	25,752.47		50,477.19			
Annual mean	70.6		138		111	
Highest annual mean					220	2003
Lowest annual mean					20.9	2002
Highest daily mean	1,110	Dec 10	3,050	Sep 30	14,500	Sep 17, 1999
Lowest daily mean	0.00	Jul 2	0.00	Oct 18	0.00	Jul 30, 1987
Annual seven-day minimum	0.00	Jul 9	0.00	Oct 18	0.00	Oct 8, 1987
Maximum peak flow			1,890	Feb 7	^a 15,700	Sep 16, 1999
Maximum peak stage			9.51	Feb 7	^a 18.52	Sep 16, 1999
Instantaneous low flow			^a 0.00	Oct 17	^a 0.00	Jul 29, 1987
Annual runoff (cfsm)	0.653		1.28		1.03	
Annual runoff (inches)	8.87		17.39		14.00	
10 percent exceeds	258		409		270	
50 percent exceeds	3.0		3.0		30	
90 percent exceeds	0.00		0.00		0.02	

^a See Remarks.

