

Water-Data Report 2007

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. Elevation of gage is 15 ft above NGVD of 1929, from topographic map. 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 most years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10	261	186	242	101	222	58	20	0.20	0.03	0.00	0.00
2	9.6	209	155	188	e123	231	51	14	0.15	0.02	0.00	0.00
3	7.6	159	133	153	e127	199	45	11	0.38	0.02	0.00	0.00
4	6.0	120	124	130	e123	162	40	10	0.51	0.02	0.00	0.00
5	4.9	90	118	113	e119	130	35	12	0.45	0.02	0.00	0.00
6	11	68	116	112	e121	109	31	15	0.43	0.01	0.00	0.00
7	37	61	109	113	103	94	28	13	0.39	0.00	0.00	0.00
8	47	92	99	143	89	82	26	11	0.35	0.00	0.00	0.00
9	57	176	86	264	77	71	25	12	0.39	0.00	0.00	0.00
10	60	181	77	563	71	64	23	13	0.43	0.01	0.00	0.00
11	66	190	71	577	65	57	20	13	0.48	0.02	0.00	0.00
12	72	292	66	444	61	52	34	13	0.43	0.02	0.01	0.00
13	69	954	63	308	57	49	45	13	0.32	0.02	0.01	0.00
14	63	1,380	60	218	73	48	44	12	0.29	0.02	0.00	0.00
15	52	1,260	57	167	133	45	103	11	0.25	0.02	0.00	0.00
16	40	994	54	138	146	60	528	9.3	0.24	0.01	0.00	0.00
17	31	855	50	120	137	191	718	10	0.25	0.01	0.00	0.00
18	35	761	47	111	134	425	490	14	0.19	0.01	0.00	0.00
19	31	559	44	108	122	495	319	15	0.16	0.01	0.00	0.00
20	29	429	41	106	103	433	221	14	0.13	0.01	0.00	0.00
21	26	350	38	102	86	311	158	12	0.10	0.01	0.00	0.00
22	23	633	37	167	88	222	118	10	0.07	0.01	0.00	0.00
23	22	1,440	52	348	86	166	91	7.9	0.05	0.00	0.00	0.00
24	20	1,390	73	454	82	133	70	6.1	0.04	0.00	0.00	0.00
25	20	1,140	123	469	77	113	54	4.3	0.04	0.00	0.00	0.00
26	19	814	490	380	98	97	42	3.4	0.04	0.00	0.00	0.00
27	19	563	904	276	143	83	35	2.2	0.04	0.00	0.01	0.00
28	65	404	970	205	166	73	35	1.6	0.03	0.00	0.01	0.00
29	114	300	740	161	---	73	32	0.82	0.03	0.00	0.00	0.00
30	167	231	496	129	---	70	26	0.48	0.03	0.00	0.00	0.00
31	243	---	337	111	---	64	---	0.30	---	0.00	0.00	---
Total	1,476.1	16,356	6,016	7,120	2,911	4,624	3,545	304.40	6.89	0.30	0.04	0.00
Mean	47.6	545	194	230	104	149	118	9.82	0.23	0.01	0.00	0.00
Max	243	1,440	970	577	166	495	718	20	0.51	0.03	0.01	0.00
Min	4.9	61	37	102	57	45	20	0.30	0.03	0.00	0.00	0.00
Cfsm	0.44	5.05	1.80	2.13	0.96	1.38	1.09	0.09	0.00	0.00	0.00	0.00
In.	0.51	5.63	2.07	2.45	1.00	1.59	1.22	0.10	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	64.8	73.8	108	170	191	211	131	63.4	84.5	38.1	95.4	166
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	0.07	0.41	26.6	49.5	30.2	5.25	1.07	0.01	0.00	0.00	0.00
(WY)	(1995)	(2002)	(2002)	(2001)	(2002)	(2006)	(1995)	(1994)	(1994)	(1994)	(2007)	(1994)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1987 - 2007	
Annual total	70,264.45		42,359.73			
Annual mean	193		116		117	
Highest annual mean					220	2003
Lowest annual mean					20.9	2002
Highest daily mean	3,360	Jun 16	1,440	Nov 23	14,500	Sep 17, 1999
Lowest daily mean	0.49	Aug 29	0.00	Jul 7	0.00	Jul 30, 1987
Annual seven-day minimum	0.78	Aug 25	0.00	Jul 23	0.00	Oct 8, 1987
Maximum peak flow			1,520	Nov 23	^a 15,700	Sep 16, 1999
Maximum peak stage			8.87	Nov 23	^a 18.52	Sep 16, 1999
Instantaneous low flow			^a 0.00	Jul 6	^a 0.00	Jul 29, 1987
Annual runoff (cfsm)	1.78		1.07		1.09	
Annual runoff (inches)	24.20		14.59		14.77	
10 percent exceeds	481		314		281	
50 percent exceeds	70		37		36	
90 percent exceeds	14		0.00		0.06	

^a See Remarks.

