



Water-Data Report 2007

02094775 RYAN CREEK BELOW U.S. HIGHWAY 220 AT GREENSBORO, NC

Cape Fear Basin
Haw Subbasin

LOCATION.--Lat 36°01'52", long 79°47'46" referenced to North American Datum of 1983, Guilford County, NC, Hydrologic Unit 03030002, on left bank 0.6 mi upstream from South Buffalo Creek, and .2 mi downstream from U.S. Highway 220 in Greensboro.

DRAINAGE AREA.--4.12 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1998 to current year.

REVISED RECORDS.--WDR NC-02-1B: 1999-2001(M).

GAGE.--Water-stage recorder. Elevation of gage is 730 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum for period of record, no flow, occurred several days in August 2002.

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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	1.00	0.87	5.2	15	3.4	6.8	1.6	0.83	0.15	2.0	e0.54	e2.4
2	0.83	1.1	2.6	3.6	3.2	102	1.5	0.70	0.18	0.87	e0.47	e0.36
3	0.91	1.8	1.7	2.5	2.5	4.0	1.4	0.68	11	0.86	e0.30	e0.32
4	0.97	1.00	1.7	2.2	1.9	2.8	1.3	1.1	2.9	0.86	e0.62	e0.25
5	1.0	1.1	1.6	7.6	1.6	2.5	1.2	2.2	1.2	1.0	e0.44	e0.19
6	2.0	0.56	1.6	12	1.6	2.2	1.3	2.0	0.26	1.2	e0.42	e0.11
7	1.5	18	1.6	21	1.6	2.1	1.8	0.63	0.20	0.75	e0.40	e0.04
8	11	8.8	1.4	40	1.7	2.1	1.3	0.55	0.25	0.75	e0.21	e0.05
9	0.59	2.3	1.5	4.1	1.7	2.0	1.4	0.56	0.25	0.75	e0.15	e0.06
10	0.23	1.7	1.6	3.0	1.5	2.1	1.2	0.57	0.19	36	e0.53	e0.07
11	0.15	2.5	1.5	2.6	1.4	2.0	19	0.53	0.18	4.8	e0.34	e0.07
12	0.19	32	1.5	2.4	1.4	2.0	24	0.47	0.17	1.8	e0.33	e0.07
13	0.13	3.2	1.5	2.3	28	1.9	2.3	0.46	2.4	0.77	e0.21	e0.06
14	0.12	1.8	1.5	2.2	57	1.9	3.2	0.39	0.30	0.73	e0.19	e9.9
15	0.11	1.2	1.7	2.1	4.3	2.0	169	0.35	0.20	0.75	e0.43	e3.3
16	0.11	100	1.4	2.0	2.7	49	16	0.37	0.18	0.91	e0.21	e0.62
17	35	4.1	1.4	1.9	2.2	5.4	3.2	0.64	0.16	1.4	e0.30	e0.52
18	5.6	2.5	1.4	2.9	1.9	2.6	2.3	0.35	0.14	2.2	e0.23	e0.39
19	0.95	1.7	1.3	2.5	1.8	2.1	1.9	0.30	0.14	1.1	e0.25	e0.35
20	1.9	1.2	1.2	2.1	1.8	2.1	1.7	0.29	0.14	1.2	e0.24	e0.30
21	0.66	74	1.2	11	2.1	1.9	1.6	0.24	0.12	0.98	e0.76	e0.28
22	1.7	128	15	14	2.2	1.8	1.5	0.24	0.12	0.98	e0.31	e0.26
23	0.95	12	4.7	3.4	1.6	1.9	1.4	0.23	0.12	e0.52	e0.13	e0.21
24	0.65	3.8	2.4	2.8	1.5	1.8	1.6	0.22	0.36	e0.50	e0.20	e0.19
25	0.66	3.1	51	3.1	43	1.6	1.8	0.19	0.63	e3.2	e0.24	e0.18
26	1.0	3.4	6.0	2.6	6.6	1.6	1.2	0.19	0.18	e1.3	e0.26	e0.16
27	7.5	2.1	2.8	2.3	3.6	1.6	6.2	0.17	98	e0.92	e0.28	e0.18
28	18	2.0	2.5	1.9	2.6	1.6	1.3	0.15	9.8	e16	e0.24	e0.19
29	1.6	2.3	2.6	1.6	---	7.3	0.88	0.15	5.1	e1.4	e0.23	e0.18
30	1.3	2.3	2.4	1.6	---	1.9	0.89	0.16	1.7	e1.2	e3.3	e0.15
31	1.4	---	2.0	1.5	---	1.6	---	0.15	---	e0.72	e0.72	---
Total	99.71	420.43	127.5	179.8	186.4	224.2	274.97	16.06	136.72	88.42	13.48	21.41
Mean	3.22	14.0	4.11	5.80	6.66	7.23	9.17	0.52	4.56	2.85	0.43	0.71
Max	35	128	51	40	57	102	169	2.2	98	36	3.3	9.9
Min	0.11	0.56	1.2	1.5	1.4	1.6	0.88	0.15	0.12	0.50	0.13	0.04
Cfsm	0.78	3.40	1.00	1.41	1.62	1.76	2.22	0.13	1.11	0.69	0.11	0.17
In.	0.90	3.80	1.15	1.62	1.68	2.02	2.48	0.15	1.23	0.80	0.12	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2007, BY WATER YEAR (WY)

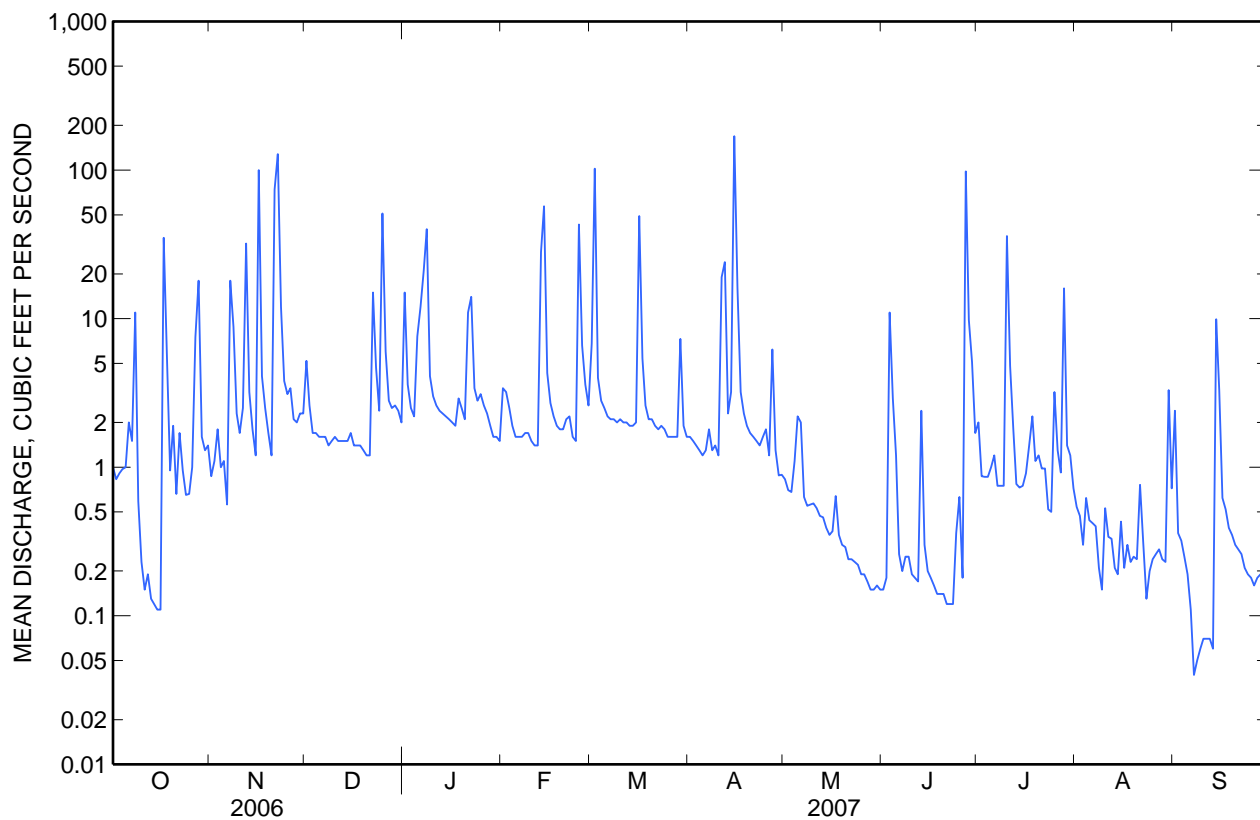
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.65	4.79	5.30	5.80	4.97	6.47	5.69	2.55	6.06	5.85	3.44	9.39
Max	17.9	14.0	13.6	12.9	10.4	17.5	20.4	11.4	17.5	14.1	11.1	29.9
(WY)	(2003)	(2007)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
Min	0.31	0.42	1.35	2.48	2.06	1.34	0.76	0.52	0.14	0.89	0.43	0.27
(WY)	(1999)	(1999)	(2001)	(2004)	(2006)	(2006)	(2002)	(2007)	(2002)	(1999)	(2007)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1998 - 2007	
Annual total	1,904.83		1,789.10			
Annual mean	5.22		4.90		5.41	
Highest annual mean					14.0	2003
Lowest annual mean					2.98	2002
Highest daily mean	146	Jul 23	169	Apr 15	393	Sep 15, 2000
Lowest daily mean	0.11	Oct 15	0.04	Sep 7	0.00	Aug 6, 2002
Annual seven-day minimum	0.15	Oct 10	0.06	Sep 7	0.00	Aug 6, 2002
Maximum peak flow			784	Jun 27	1,060	Jul 13, 2003
Maximum peak stage			9.58	Jun 27	12.53	Jul 13, 2003
Instantaneous low flow			Not Determined		0.00	Aug 6, 2002
Annual runoff (cfsm)	1.27		1.19		1.31	
Annual runoff (inches)	17.20		16.15		17.85	
10 percent exceeds	8.9		7.0		9.0	
50 percent exceeds	1.2		1.5		1.2	
90 percent exceeds	0.45		0.18		0.26	

^a See Remarks.



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CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--August 1998 to current year.

INSTRUMENTATION.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.04	0.41	0.27	0.54	0.01	0.00	0.00	0.01	0.00	0.00
2	0.00	0.00	0.00	0.00	0.02	0.70	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.49	0.00	0.00	0.00
5	0.01	0.00	0.00	0.39	0.00	0.00	0.00	0.25	0.11	0.06	0.00	0.00
6	0.21	0.00	0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.01	0.00	0.00
7	0.10	1.09	0.00	0.49	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
8	0.41	0.10	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.96	0.00	0.00
11	0.10	0.50	0.00	0.00	0.00	0.00	1.02	0.00	0.03	0.10	0.00	0.00
12	0.01	0.39	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.25	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.06	0.00	0.49	0.00	0.01	0.00	0.00	0.60
15	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.00	0.04	0.00	0.00	0.00
16	0.00	1.31	0.00	0.00	0.00	1.36	0.01	0.10	0.00	0.09	0.00	0.00
17	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.23	0.03	0.00
18	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	1.90	0.00	0.55	0.01	0.00	0.00	0.00	0.00	0.00	0.17	0.00
22	0.15	0.96	0.80	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
23	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.21	0.00	0.00
25	0.00	0.02	0.99	0.00	1.09	0.00	0.00	0.00	0.01	0.05	0.00	0.00
26	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.22	0.00	0.00
27	0.65	0.00	0.00	0.00	0.00	0.00	0.37	0.00	2.39	0.00	0.00	0.00
28	0.26	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.08	0.56	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.36	0.00	0.00	0.05	0.00	0.00	0.00
30	0.00	0.11	0.00	0.00	---	0.00	0.00	0.00	0.10	0.00	0.78	0.00
31	0.00	---	0.02	0.00	---	0.00	---	0.00	---	0.00	0.00	---
Total	3.30	6.39	1.85	2.70	2.92	2.98	4.51	0.64	5.01	2.57	0.99	0.60

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