

Water-Data Report 2008

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 at 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 (maximum discharge)

GAGE.--Water-stage recorder. Datum of gage is 725.35 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

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

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

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	e0.12	e0.62	e0.35	2.4	45	1.8	16	1.9	2.4	0.49	0.54	0.84
2	e0.13	e0.70	e0.30	1.5	5.0	1.7	3.6	1.4	0.59	0.30	0.24	0.33
3	e0.14	e0.78	e0.32	1.2	2.7	1.7	15	1.0	0.49	0.29	0.22	0.29
4	e0.14	e0.82	e0.32	1.1	9.6	32	26	0.95	0.54	0.85	0.20	0.27
5	e0.12	e0.90	e0.35	1.0	5.4	15	38	2.0	0.46	31	0.20	0.27
6	e0.14	e1.0	e0.27	0.93	3.4	2.5	29	1.4	0.39	13	0.21	37
7	e0.16	e0.98	e0.23	0.87	2.3	18	4.5	0.86	0.37	1.1	0.20	1.0
8	e0.16	e0.90	0.21	0.84	2.2	10	3.0	0.82	0.36	7.7	0.25	0.49
9	e0.16	e0.88	0.24	0.79	2.1	3.1	2.5	0.83	0.37	10	0.19	0.47
10	e0.15	e0.82	0.24	1.8	1.8	2.3	2.5	0.70	0.34	2.1	0.20	11
11	e0.17	e0.80	0.24	1.9	1.7	2.0	2.1	3.4	0.29	0.51	0.19	6.8
12	e0.17	e0.79	0.17	1.0	1.8	1.8	2.1	2.2	0.29	0.40	0.18	1.5
13	e0.17	e0.78	0.20	0.77	12	1.6	1.7	0.66	0.35	14	0.24	0.62
14	e0.21	e0.76	0.25	0.70	8.1	1.4	2.7	0.58	0.41	2.9	0.25	0.49
15	e0.20	e6.2	2.8	0.67	3.2	21	2.2	0.84	0.36	0.50	1.2	0.46
16	e0.16	e0.80	12	0.68	2.6	6.1	1.4	3.5	0.34	0.40	0.48	63
17	e0.25	e0.57	0.79	18	2.3	2.0	1.3	0.70	0.36	0.36	0.22	3.2
18	e2.2	e0.52	0.50	3.1	2.8	1.4	1.3	2.6	0.31	0.34	0.21	1.1
19	e8.0	e0.59	0.38	2.2	2.0	4.9	1.4	1.3	0.27	4.2	0.22	0.59
20	e1.9	e0.66	0.32	1.9	2.0	4.7	11	0.62	0.24	0.75	0.41	0.52
21	e0.78	e0.68	e1.0	1.0	1.9	1.4	13	0.58	1.5	0.35	5.6	0.46
22	e0.14	e4.1	0.23	1.2	2.6	1.3	2.3	0.52	2.0	0.28	0.25	0.46
23	e0.34	e1.0	2.3	1.4	2.2	1.2	1.9	0.52	2.4	9.7	0.18	0.41
24	e19	e0.78	0.58	0.94	2.2	1.7	1.3	0.51	0.42	3.3	0.17	0.38
25	e34	e0.60	0.32	0.77	2.5	1.5	1.0	0.47	0.37	0.43	0.17	0.43
26	e112	e1.0	7.7	0.79	14	1.4	1.0	0.46	0.33	0.31	9.7	35
27	e12	e0.78	0.63	0.75	3.1	1.2	7.4	0.65	0.47	0.28	254	5.6
28	e0.60	e0.60	9.0	0.74	2.1	1.2	69	4.4	0.45	0.25	10	2.3
29	e4.0	e0.50	3.8	0.77	1.8	2.3	7.5	1.1	1.8	0.24	0.93	0.79
30	e1.0	e0.40	48	1.6	---	1.9	2.5	0.55	9.5	0.28	0.50	1.1
31	e0.60	---	15	0.77	---	15	---	9.6	---	0.42	1.8	---
Total	199.31	31.31	109.04	54.08	150.4	165.1	274.2	47.62	28.77	107.03	289.35	177.17
Mean	6.43	1.04	3.52	1.74	5.19	5.33	9.14	1.54	0.96	3.45	9.33	5.91
Max	112	6.2	48	18	45	32	69	9.6	9.5	31	254	63
Min	0.12	0.40	0.17	0.67	1.7	1.2	1.0	0.46	0.24	0.24	0.17	0.27
Cfsm	1.56	0.25	0.85	0.42	1.26	1.29	2.22	0.37	0.23	0.84	2.27	1.43
In.	1.80	0.28	0.98	0.49	1.36	1.49	2.48	0.43	0.26	0.97	2.61	1.60

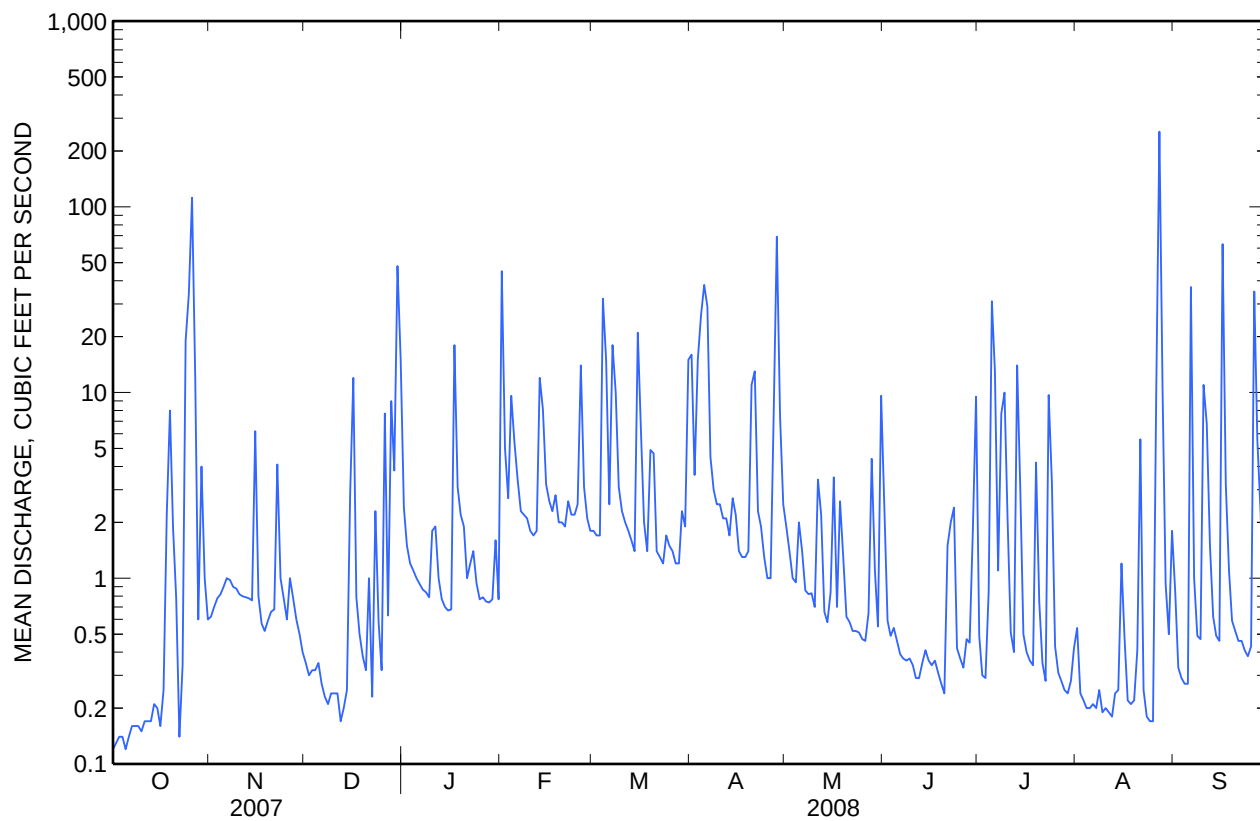
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.92	4.41	5.12	5.39	4.99	6.36	6.04	2.45	5.55	5.61	3.98	9.07
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	1.74	2.06	1.34	0.76	0.52	0.14	0.89	0.43	0.27
(WY)	(1999)	(1999)	(2001)	(2008)	(2006)	(2006)	(2002)	(2007)	(2002)	(1999)	(2007)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1998 - 2008	
Annual total	1,481.12		1,633.38			
Annual mean	4.06		4.46		5.32	
Highest annual mean					14.0	2003
Lowest annual mean					2.98	2002
Highest daily mean	169	Apr 15	254	Aug 27	393	Sep 15, 2000
Lowest daily mean	0.04	Sep 7	0.12	Oct 1	0.00	Aug 6, 2002
Annual seven-day minimum	0.06	Sep 7	0.14	Oct 1	0.00	Aug 6, 2002
Maximum peak flow			602	Aug 27	1,060	Jul 13, 2003
Maximum peak stage			6.22	Aug 27	12.53	Jul 13, 2003
Instantaneous low flow			NOT DETERMINED		^a 0.00	Aug 6, 2002
Annual runoff (cfs)	0.985		1.08		1.29	
Annual runoff (inches)	13.37		14.75		17.54	
10 percent exceeds	6.2		9.7		9.1	
50 percent exceeds	0.86		0.90		1.2	
90 percent exceeds	0.17		0.23		0.25	

^aSee Remarks.

02094775 RYAN CREEK BELOW U.S. HIGHWAY 220 AT GREENSBORO, NC—Continued**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 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	1.06	0.00	0.24	0.00	0.01	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.04	0.00	0.57	0.00	0.00	0.00	0.00	0.00
4	0.01	0.00	0.00	0.00	0.25	0.88	0.66	0.00	0.00	0.26	0.00	0.00
5	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.25	0.00	1.02	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.15	0.00	1.13
7	0.00	0.00	0.00	0.00	0.00	0.52	0.01	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.72	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.29	0.00	0.00
10	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
11	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.00
13	0.00	---	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.74	0.01	0.00
14	0.00	---	0.00	0.00	0.19	0.00	0.14	0.00	0.09	0.01	0.00	0.00
15	0.00	---	0.60	0.00	0.00	0.75	0.00	0.08	0.00	0.00	0.03	0.00
16	0.00	---	0.24	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	1.52
17	0.00	---	0.00	0.64	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	0.00	0.07	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
19	1.21	---	0.00	0.01	0.00	0.24	0.08	0.00	0.00	0.00	0.00	0.00
20	0.00	---	0.00	0.00	0.00	0.09	0.51	0.00	0.00	0.00	0.13	0.00
21	0.00	---	0.12	0.00	0.00	0.00	0.35	0.00	0.35	0.00	0.02	0.00
22	0.00	---	0.00	0.05	0.09	0.00	0.00	0.00	0.37	0.00	0.00	0.00
23	0.13	---	0.29	0.00	0.00	0.00	0.00	0.00	0.05	0.34	0.00	0.00
24	1.36	---	0.00	0.00	0.09	0.05	0.00	0.00	0.00	0.01	0.00	0.00
25	1.31	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	2.92	---	0.41	0.00	0.40	0.00	0.00	0.00	0.00	0.00	---	1.17
27	0.01	0.00	0.00	0.00	0.00	0.00	1.13	0.23	0.04	0.00	---	0.11
28	0.00	0.00	0.54	0.00	0.00	0.00	1.31	0.23	0.00	0.00	---	0.02
29	0.00	0.00	0.05	0.00	0.00	0.16	0.00	0.00	0.43	0.00	0.00	0.00
30	0.00	0.00	1.08	0.08	---	0.08	0.00	0.00	0.28	0.00	0.00	0.00
31	0.00	---	0.02	0.00	---	0.58	---	0.47	---	0.08	0.00	---
Total	6.95	---	3.35	1.04	2.60	3.41	5.63	2.13	1.62	3.63	---	3.95

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