

Water-Data Report 2007

0214266080 GAR CREEK AT SECONDARY ROAD 2074 NEAR CROFT, NC

Santee Basin
Upper Catawba Subbasin

LOCATION.--Lat 35°21'41", long 80°53'51" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050101, at Secondary Road 2074, and 4.3 miles west of Croft.

DRAINAGE AREA.--3.55 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 658.61 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Peak discharge for period of record and current water year not determined. No flow also occurred August 9 to September 30, 2007.

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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	0.27	1.0	1.1	3.9	1.7	33	1.0	0.89	0.37	0.53	0.18	0.01
2	0.25	1.0	0.91	2.5	2.3	e54	1.1	0.80	0.39	0.39	0.13	0.00
3	0.25	1.1	0.89	1.8	1.7	7.7	0.92	0.75	0.72	0.32	0.09	0.00
4	0.26	1.1	0.77	1.6	1.4	3.5	0.91	0.92	0.55	0.26	0.07	0.00
5	0.25	1.1	0.75	3.9	1.3	2.5	0.80	1.0	0.39	0.21	0.05	0.00
6	0.25	1.2	0.76	5.7	1.2	2.1	0.77	1.0	0.38	0.19	0.04	0.00
7	0.25	2.9	0.73	21	1.2	1.9	0.75	0.85	0.33	0.18	0.02	0.00
8	0.67	7.0	0.64	37	1.1	1.7	0.75	0.84	0.29	0.17	0.02	0.00
9	0.34	1.9	0.70	6.2	1.0	1.5	0.75	0.87	0.28	1.4	0.01	0.00
10	0.32	1.2	0.69	3.0	1.0	1.4	0.75	0.83	0.27	1.5	0.01	0.00
11	0.29	0.98	0.63	2.2	1.0	1.3	0.95	0.77	0.34	0.40	0.01	0.00
12	0.86	4.5	0.62	1.9	1.0	1.2	1.7	0.82	0.43	0.40	0.01	0.00
13	0.28	1.8	0.62	1.7	5.6	1.2	0.93	0.89	0.39	0.29	0.01	0.00
14	0.26	1.3	0.67	1.5	12	1.2	1.0	0.71	0.80	0.27	0.00	0.00
15	0.23	2.7	0.73	1.4	3.2	1.1	29	0.66	0.56	1.2	0.01	0.00
16	0.19	45	0.63	1.4	2.2	7.4	6.8	0.62	0.43	1.2	0.01	0.00
17	6.2	6.3	0.62	1.2	1.8	3.9	2.7	0.57	0.37	0.34	0.00	0.00
18	4.9	2.4	0.61	1.3	1.6	2.3	1.9	0.53	0.29	0.71	0.01	0.00
19	1.3	1.7	0.64	1.4	1.4	1.8	1.7	0.49	0.24	0.57	0.00	0.00
20	0.97	1.3	0.62	1.2	1.4	1.5	2.1	0.52	0.27	0.26	0.00	0.00
21	0.77	5.9	0.63	2.0	1.3	1.4	1.5	0.47	0.23	0.23	0.00	0.00
22	0.62	64	2.2	6.7	1.5	1.3	1.3	0.45	0.19	0.16	0.00	0.00
23	0.52	9.9	2.0	2.7	1.1	1.2	1.2	0.51	0.18	0.15	0.00	0.00
24	0.81	3.9	1.3	2.0	1.0	1.2	1.2	0.58	7.1	0.12	0.00	0.00
25	1.1	2.5	21	1.7	13	1.1	1.1	0.60	4.4	0.15	0.00	0.00
26	1.1	1.9	7.8	1.5	6.3	1.0	1.0	0.55	1.1	0.11	0.00	0.00
27	1.4	1.5	3.0	1.4	3.0	1.0	1.7	0.54	0.41	0.59	0.00	0.00
28	2.2	1.3	2.0	1.3	2.1	1.0	1.1	0.48	0.47	1.3	0.00	0.00
29	1.3	1.1	1.7	1.2	---	0.94	1.0	0.47	0.46	0.47	0.00	0.00
30	1.1	1.0	1.5	1.2	---	0.94	0.97	0.44	0.34	0.27	0.00	0.00
31	1.0	---	1.6	1.1	---	0.93	---	0.41	---	0.28	0.01	---
Total	30.51	180.48	59.06	124.6	74.4	144.21	69.35	20.83	22.97	14.62	0.69	0.01
Mean	0.98	6.02	1.91	4.02	2.66	4.65	2.31	0.67	0.77	0.47	0.02	0.00
Max	6.2	64	21	37	13	54	29	1.0	7.1	1.5	0.18	0.01
Min	0.19	0.98	0.61	1.1	1.0	0.93	0.75	0.41	0.18	0.11	0.00	0.00
Cfsm	0.28	1.69	0.54	1.13	0.75	1.31	0.65	0.19	0.22	0.13	0.01	0.00
In.	0.32	1.89	0.62	1.31	0.78	1.51	0.73	0.22	0.24	0.15	0.01	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.04	2.64	2.98	2.16	2.74	3.79	3.69	2.05	1.82	1.09	0.47	1.27
Max	1.73	6.02	5.22	4.02	3.88	7.74	10.8	7.40	4.42	3.92	1.08	2.70
(WY)	(2006)	(2007)	(2003)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2006)
Min	0.58	1.06	1.51	0.83	1.55	1.20	1.20	0.59	0.77	0.17	0.02	0.00
(WY)	(2005)	(2005)	(2004)	(2004)	(2006)	(2004)	(2004)	(2004)	(2007)	(2006)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2002 - 2007	
Annual total	655.99		741.73			
Annual mean	1.80		2.03		2.14	
Highest annual mean					4.27	2003
Lowest annual mean					1.21	2004
Highest daily mean	64	Nov 22	64	Nov 22	75	May 22, 2003
Lowest daily mean	0.09	Aug 1	0.00	Aug 14	0.00	Aug 14, 2007
Annual seven-day minimum	0.09	Jul 29	0.00	Aug 19	0.00	Aug 19, 2007
Maximum peak stage			6.40 Mar 2		9.84 Jul 13, 2003	
Instantaneous low flow			^a 0.00 Aug 8		^a 0.00 Aug 8, 2007	
Annual runoff (cfsm)	0.506		0.572		0.602	
Annual runoff (inches)	6.87		7.77		8.18	
10 percent exceeds	2.7		3.0		3.5	
50 percent exceeds	0.92		0.86		0.91	
90 percent exceeds	0.18		0.00		0.18	

^a See Remarks.

