



Water-Data Report 2009

02146315 TAGGART CREEK AT WEST BOULEVARD NEAR CHARLOTTE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°12'24", long 80°55'19" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank on northeast corner of intersection of Billy Graham Parkway, and North Carolina Highway 160 (West Boulevard), 1.2 mi upstream of confluence with Irwin Creek, and 5.0 mi from city hall in Charlotte, NC.

DRAINAGE AREA.--5.71 mi², revised.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 604.27 ft above North American Vertical Datum of 1988. Radio telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records fair. No flow for part of August 8, 2002.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.98	0.97	4.4	1.1	0.88	147	2.9	2.3	1.5	0.88	2.5	1.3
2	0.86	0.95	1.9	1.1	2.7	56	5.9	16	1.3	0.95	2.1	1.1
3	0.75	1.2	1.3	1.1	5.0	16	5.9	3.9	1.3	2.3	1.5	0.90
4	0.71	1.5	1.2	19	1.1	8.5	2.2	8.7	38	0.75	1.4	0.77
5	0.71	0.96	1.1	2.1	0.93	4.4	1.9	167	149	0.77	19	0.68
6	0.69	1.0	1.1	85	0.93	2.4	2.0	33	9.8	0.80	13	0.62
7	0.71	1.0	1.0	25	0.95	1.8	2.3	8.0	3.8	0.78	1.6	0.63
8	18	1.0	0.97	4.2	0.97	1.5	2.2	4.0	2.8	0.89	1.4	0.72
9	4.8	1.1	1.00	2.5	0.98	1.3	2.4	2.8	2.0	101	1.0	0.97
10	1.2	1.1	20	1.9	1.0	1.2	32	2.3	1.7	3.4	0.87	2.8
11	0.96	1.1	65	2.4	3.1	1.4	15	8.6	2.5	1.9	1.2	0.73
12	0.91	1.0	39	1.3	2.7	1.2	3.4	2.4	6.2	1.5	1.5	0.57
13	0.88	1.5	3.3	1.3	1.1	3.7	2.8	1.9	2.2	1.5	1.2	0.56
14	0.87	14	2.1	1.2	1.6	26	5.7	1.9	1.3	1.0	0.82	0.57
15	0.87	15	3.1	0.97	1.2	45	2.6	2.4	1.2	1.0	0.75	0.61
16	0.83	1.5	1.8	1.00	6.1	14	2.2	1.8	1.2	0.90	1.3	1.4
17	5.3	1.00	1.4	1.0	1.2	7.6	2.2	3.4	27	0.86	0.87	1.2
18	4.0	0.89	1.3	1.1	12	4.5	2.2	3.7	2.6	1.1	0.69	0.64
19	0.96	0.90	1.3	1.1	2.8	5.6	2.2	1.7	1.9	0.77	0.69	2.3
20	0.89	0.86	3.8	1.0	1.4	7.8	19	1.6	1.6	0.75	2.0	19
21	0.91	0.78	8.7	0.96	1.1	2.9	2.5	1.6	1.5	0.76	1.3	1.3
22	0.90	0.78	1.7	0.97	1.1	2.4	2.0	1.5	1.3	28	0.83	0.94
23	0.96	0.80	1.3	0.96	1.1	2.2	1.9	1.6	1.4	43	0.85	0.91
24	0.98	0.94	1.2	0.96	1.1	2.1	1.9	13	1.1	7.0	0.82	0.72
25	2.9	3.2	1.5	0.90	1.1	5.3	1.8	65	1.3	2.4	0.77	1.1
26	0.97	0.86	1.2	0.91	1.1	10	1.8	5.0	1.1	1.8	0.54	6.7
27	0.90	0.76	1.2	1.3	3.4	22	1.9	2.7	0.94	1.4	0.64	4.6
28	0.94	1.0	1.4	4.0	38	80	2.0	19	1.1	39	55	0.95
29	1.00	1.1	1.5	1.6	---	23	2.0	8.1	0.84	63	3.7	0.72
30	0.89	49	1.2	0.96	---	6.6	2.2	2.4	0.82	7.6	1.9	0.58
31	0.89	---	1.1	0.88	---	2.9	---	1.7	---	4.7	3.0	---
Total	58.12	107.75	178.07	169.77	96.64	516.3	137.0	399.0	270.30	322.46	124.74	56.59
Mean	1.87	3.59	5.74	5.48	3.45	16.7	4.57	12.9	9.01	10.4	4.02	1.89
Max	18	49	65	85	38	147	32	167	149	101	55	19
Min	0.69	0.76	0.97	0.88	0.88	1.2	1.8	1.5	0.82	0.75	0.54	0.56
Cfsm	0.33	0.63	1.01	0.96	0.60	2.92	0.80	2.25	1.58	1.82	0.70	0.33
In.	0.38	0.70	1.16	1.11	0.63	3.36	0.89	2.60	1.76	2.10	0.81	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.39	4.22	5.78	4.56	5.00	9.18	5.95	5.54	5.71	5.32	6.77	4.49
Max	9.39	19.8	14.1	7.71	8.83	20.5	22.1	30.0	16.4	12.2	22.1	12.3
(WY)	(2003)	(2007)	(2003)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2006)	(2003)	(2004)
Min	0.35	0.65	1.48	2.05	2.26	2.32	1.25	1.36	0.99	1.03	0.20	0.77
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2006)	(2002)	(2000)	(2002)	(2001)	(2001)	(2005)

02146315 TAGGART CREEK AT WEST BOULEVARD NEAR CHARLOTTE, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009	Water Years 1998 - 2009	
Annual total	1,879.79	2,436.74		
Annual mean	5.14	6.68	5.50	
Highest annual mean			14.1	2003
Lowest annual mean			2.35	2001
Highest daily mean	314 Aug 27	167 May 5	388 May 22, 2003	
Lowest daily mean	0.07 Aug 9	0.54 Aug 26	0.01 Aug 8, 2002	
Annual seven-day minimum	0.09 Aug 6	0.76 Sep 3	0.08 Aug 3, 2002	
Maximum peak flow		1,900 May 5	3,490 Jul 22, 2006	
Maximum peak stage		8.96 May 5	11.47 Jul 22, 2006	
Instantaneous low flow		0.39 Sep 30	^a 0.00 Aug 8, 2002	
Annual runoff (cfsm)	0.899	1.17	0.964	
Annual runoff (inches)	12.25	15.88	13.09	
10 percent exceeds	7.4	15	9.6	
50 percent exceeds	1.00	1.4	1.3	
90 percent exceeds	0.34	0.81	0.32	

^a See Remarks.

