

Water-Data Report 2008

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.--5.38 mi².

SURFACE-WATER RECORDS

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.35	0.31	1.1	4.4	55	0.88	1.9	1.1	1.4	0.41	0.44	2.4
2	0.55	0.31	1.1	1.8	3.3	0.80	1.1	0.98	2.7	0.20	0.15	0.69
3	0.30	0.37	1.1	1.1	1.8	0.77	7.4	0.91	0.61	0.17	0.15	0.50
4	3.4	0.30	1.3	0.96	1.3	62	26	0.87	0.54	41	0.17	0.57
5	0.66	0.33	1.5	0.75	1.0	12	21	0.99	0.53	3.0	0.12	0.46
6	0.24	0.33	1.8	0.61	0.98	2.7	4.6	0.78	0.49	1.2	0.10	0.56
7	0.25	0.33	1.4	0.61	0.93	19	2.1	0.62	0.56	0.60	0.09	0.61
8	0.29	0.31	1.4	0.60	0.82	4.6	1.6	0.64	0.45	33	0.09	1.1
9	0.29	0.30	1.7	0.52	0.72	1.9	1.4	0.99	0.25	6.7	0.07	0.92
10	0.28	0.39	1.6	2.6	0.67	1.4	1.3	0.61	0.23	2.3	0.08	43
11	0.28	0.36	1.3	3.8	0.71	1.3	1.2	4.3	3.0	0.93	0.09	8.0
12	0.28	0.34	1.2	0.83	0.85	1.2	3.4	0.74	0.96	0.49	0.08	3.3
13	0.28	0.35	1.4	0.54	7.5	1.1	1.4	0.50	0.62	0.33	0.74	1.5
14	0.29	0.30	1.9	0.43	2.2	1.0	1.1	0.45	0.61	0.25	0.27	1.0
15	0.27	5.2	27	0.47	0.94	77	1.3	0.48	0.51	0.19	3.6	0.85
16	0.27	1.1	46	0.38	0.80	7.9	1.2	6.2	0.49	0.16	2.2	13
17	0.49	0.58	14	29	0.78	2.3	1.1	0.55	0.48	0.15	4.5	2.8
18	0.63	0.57	6.5	2.5	2.6	1.6	1.1	0.92	0.50	0.14	0.80	1.1
19	1.4	0.59	3.5	5.9	0.86	22	1.2	0.83	0.45	0.15	0.39	0.88
20	0.48	0.66	4.6	2.1	0.87	4.9	1.4	0.70	0.39	0.15	0.32	0.75
21	0.42	0.79	18	0.76	2.2	1.6	1.2	0.72	0.16	0.15	0.19	0.70
22	0.92	2.7	5.2	1.1	5.9	1.2	1.3	0.39	30	5.1	0.14	0.65
23	0.58	1.6	16	1.0	1.4	0.96	1.3	0.37	8.4	2.0	0.11	0.62
24	6.4	1.0	6.3	0.63	1.1	0.87	1.2	0.43	0.93	0.45	0.10	0.63
25	15	0.99	3.3	0.48	0.88	0.80	1.2	0.44	0.47	0.18	3.9	0.67
26	20	3.9	25	0.47	17	0.83	11	0.34	29	0.17	206	39
27	1.6	3.0	4.5	0.44	2.1	1.1	3.4	0.34	8.4	0.17	314	24
28	0.62	1.6	30	0.44	1.1	1.2	32	34	0.81	0.13	5.0	2.1
29	0.39	1.3	23	0.42	0.90	1.6	2.9	4.9	0.49	0.47	2.0	1.4
30	0.30	1.1	69	0.96	---	1.3	1.4	2.2	0.38	0.17	2.6	1.1
31	0.29	---	17	0.47	---	2.0	---	1.6	---	1.6	1.9	---
Total	57.80	31.31	338.7	67.07	117.21	239.81	139.7	69.89	94.81	102.11	550.39	154.86
Mean	1.86	1.04	10.9	2.16	4.04	7.74	4.66	2.25	3.16	3.29	17.8	5.16
Max	20	5.2	69	29	55	77	32	34	30	41	314	43
Min	0.24	0.30	1.1	0.38	0.67	0.77	1.1	0.34	0.16	0.13	0.07	0.46
Cfs/m	0.35	0.19	2.03	0.40	0.75	1.44	0.87	0.42	0.59	0.61	3.30	0.96
In.	0.40	0.22	2.34	0.46	0.81	1.66	0.97	0.48	0.66	0.71	3.81	1.07

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	3.54	4.29	5.79	4.47	5.15	8.44	6.09	4.80	5.38	4.85	7.02	4.72
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 2007		Water Year 2008		Water Years 1998 - 2008	
Annual total	1,800.79		1,963.66			
Annual mean	4.93		5.37		5.39	
Highest annual mean					14.1	2003
Lowest annual mean					2.35	2001
Highest daily mean	259	Mar 2	314	Aug 27	388	May 22, 2003
Lowest daily mean	0.19	Sep 30	0.07	Aug 9	0.01	Aug 8, 2002
Annual seven-day minimum	0.23	Sep 5	0.09	Aug 6	0.08	Aug 3, 2002
Maximum peak flow			2,330	Aug 27	3,490	Jul 22, 2006
Maximum peak stage			9.77	Aug 27	11.47	Jul 22, 2006
Instantaneous low flow			0.05	Aug 9	^a 0.00	Aug 8, 2002
Annual runoff (cfs)	0.917		0.997		1.00	
Annual runoff (inches)	12.45		13.58		13.61	
10 percent exceeds	10		8.4		9.4	
50 percent exceeds	1.4		0.96		1.2	
90 percent exceeds	0.30		0.27		0.29	

^aSee Remarks.