

Water-Data Report 2010

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.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WDR-US-2009: Drainage area.

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.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred September 19, 20, 25. No flow for part of August 8, 2002.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.51	33	4.3	2.8	7.0	3.2	3.8	1.4	101	1.0	5.5	0.30
2	0.44	0.85	91	2.2	37	7.4	e3.2	1.4	58	0.55	0.44	0.31
3	0.45	0.61	15	2.0	12	6.9	e3.0	4.1	7.6	0.46	0.40	0.32
4	0.47	0.91	5.0	1.9	5.7	3.1	e2.8	1.9	2.6	0.42	0.43	0.26
5	8.7	0.91	4.8	1.9	187	2.5	2.5	1.4	2.0	0.41	5.6	0.26
6	1.0	1.2	3.9	1.8	24	2.3	2.4	1.3	1.9	0.38	41	0.28
7	0.90	1.2	3.0	1.8	7.2	2.3	2.3	2.0	1.8	0.37	11	0.28
8	0.67	1.0	31	1.8	5.3	2.3	5.7	1.2	1.1	0.32	1.0	0.27
9	1.2	0.83	77	1.6	4.7	2.3	3.8	1.1	0.97	0.29	9.9	e0.44
10	0.85	49	7.2	1.6	3.9	2.6	2.2	1.1	3.4	0.34	1.0	e0.26
11	0.77	163	4.5	1.6	3.3	5.8	2.1	2.5	1.3	0.29	0.27	0.60
12	3.8	30	3.3	1.6	3.2	48	2.0	1.5	0.77	57	0.25	0.43
13	1.0	7.8	8.3	1.5	6.4	21	2.0	1.3	0.71	2.4	0.23	0.28
14	5.0	4.2	3.3	1.5	3.4	15	1.9	1.2	0.76	1.00	6.8	0.21
15	3.4	3.3	2.8	1.5	8.2	4.6	1.9	1.2	0.69	0.49	16	0.19
16	1.2	2.7	2.4	2.3	3.6	3.6	1.9	1.4	0.69	1.1	1.1	0.17
17	1.7	2.3	2.2	89	3.0	3.2	1.8	18	0.92	1.1	0.70	0.16
18	0.84	3.8	34	5.8	2.9	2.9	1.7	2.7	0.68	0.98	0.49	0.15
19	1.3	2.2	20	3.6	2.6	2.8	1.6	2.1	0.57	4.3	138	0.15
20	0.83	1.6	4.9	e3.0	2.5	2.5	1.8	1.8	0.56	0.68	5.1	0.16
21	0.45	1.5	3.7	e20	2.4	9.6	3.1	2.8	0.53	0.34	1.1	0.18
22	0.40	7.3	3.1	e6.0	26	8.2	1.7	2.4	0.51	0.28	0.57	0.18
23	0.40	21	2.6	3.4	4.4	3.3	1.6	2.0	0.52	0.24	0.63	0.17
24	2.7	3.3	2.2	93	5.8	2.7	2.4	2.9	0.52	0.21	0.40	0.67
25	0.57	3.6	196	134	3.6	2.5	13	2.5	0.54	0.21	0.39	0.14
26	0.48	4.7	12	7.0	2.9	2.5	2.3	1.5	0.53	0.37	0.40	12
27	38	4.7	5.3	4.3	2.8	2.3	8.7	1.3	0.65	8.2	0.39	35
28	8.7	4.2	4.0	3.6	5.5	26	3.5	10	0.54	1.3	0.36	27
29	0.82	4.1	3.4	3.4	---	81	1.7	11	0.65	0.38	0.30	11
30	0.75	5.3	3.1	6.3	---	6.6	1.4	2.1	19	0.26	0.30	5.4
31	1.2	---	7.6	10	---	4.5	---	17	---	5.9	0.29	---
Total	89.50	370.11	570.9	421.8	386.3	293.5	89.8	106.1	212.01	91.57	250.34	97.22
Mean	2.89	12.3	18.4	13.6	13.8	9.47	2.99	3.42	7.07	2.95	8.08	3.24
Max	38	163	196	134	187	81	13	18	101	57	138	35
Min	0.40	0.61	2.2	1.5	2.4	2.3	1.4	1.1	0.51	0.21	0.23	0.14
Cfsm	0.51	2.16	3.23	2.38	2.42	1.66	0.52	0.60	1.24	0.52	1.41	0.57
In.	0.58	2.41	3.72	2.75	2.52	1.91	0.59	0.69	1.38	0.60	1.63	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.35	4.90	6.83	5.32	5.72	9.21	5.71	5.36	5.83	5.14	6.87	4.39
Max	9.39	19.8	18.4	13.6	13.8	20.5	22.1	30.0	16.4	12.2	22.1	12.3
(WY)	(2003)	(2007)	(2010)	(2010)	(2010)	(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)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1998 - 2010	
Annual total	3,123.31		2,979.15			
Annual mean	8.56		8.16		5.72	
Highest annual mean					14.1	2003
Lowest annual mean					2.35	2001
Highest daily mean	196	Dec 25	196	Dec 25	388	May 22, 2003
Lowest daily mean	0.40	Oct 22	0.14	Sep 25	0.01	Aug 8, 2002
Annual seven-day minimum	0.59	Sep 28	0.16	Sep 16	0.08	Aug 3, 2002
Maximum peak flow			1,480	Jun 1	3,490	Jul 22, 2006
Maximum peak stage			8.07	Jun 1	11.47	Jul 22, 2006
Instantaneous low flow			^a 0.11	Aug 14	^a 0.00	Aug 8, 2002
Annual runoff (cfsm)	1.50		1.43		1.00	
Annual runoff (inches)	20.35		19.41		13.61	
10 percent exceeds	19		15		9.9	
50 percent exceeds	1.9		2.2		1.3	
90 percent exceeds	0.77		0.34		0.32	

^a See Remarks.

