

SANTEE RIVER BASIN

02146315 TAGGART CREEK AT WEST BOULEVARD NEAR CHARLOTTE, NC

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

DRAINAGE AREA.--5.38 mi².

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

GAGE.--Water-stage recorder. 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 Aug. 8, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.34	0.20	0.25	0.22	1.1	1.0	8.1	1.8	3.2	9.8	0.19	2.5
2	0.33	0.45	0.18	0.23	0.73	35	2.5	0.51	1.6	0.97	0.84	0.86
3	0.34	0.33	0.17	1.3	0.71	18	1.8	1.3	0.76	0.20	0.34	0.44
4	0.32	0.23	0.18	0.75	0.70	3.9	1.3	14	0.48	0.15	0.06	0.25
5	0.33	0.20	0.19	0.40	0.71	2.7	1.1	1.2	0.44	0.12	0.03	0.27
6	3.5	0.24	0.20	18	5.7	1.9	1.0	0.56	8.0	0.29	0.05	0.29
7	0.17	0.23	0.20	2.3	20	1.6	0.96	0.45	2.1	0.23	0.04	0.31
8	0.08	0.25	0.22	0.93	6.0	1.5	0.95	0.36	0.49	0.06	0.01	0.35
9	0.07	0.26	0.22	0.61	2.1	1.8	0.94	0.32	0.36	0.06	0.04	0.32
10	0.08	0.28	28	0.54	5.8	1.6	1.4	0.67	0.32	0.07	0.37	0.36
11	0.21	0.29	5.9	0.55	1.8	1.1	0.85	7.6	0.30	0.11	0.48	0.34
12	0.60	0.30	0.95	0.97	1.4	12	1.7	0.56	0.29	0.11	0.47	0.29
13	0.14	0.28	0.76	1.7	1.2	4.5	1.1	6.7	0.27	15	0.47	0.28
14	1.2	0.33	0.35	0.68	1.0	2.1	0.82	1.2	0.28	34	0.20	22
15	0.24	0.33	0.24	0.46	1.0	1.7	1.1	0.42	0.33	1.4	3.8	26
16	0.11	0.40	0.20	0.44	1.0	1.6	0.85	0.33	0.35	1.3	17	6.0
17	0.17	0.40	8.3	0.46	0.99	13	0.81	0.30	0.34	0.34	8.8	4.9
18	0.13	0.40	3.6	0.48	0.95	3.2	1.00	3.8	0.35	0.27	1.0	1.0
19	0.16	0.36	0.45	48	1.1	2.0	0.85	0.44	0.38	0.23	0.52	0.65
20	0.17	0.38	0.28	6.6	1.2	2.9	0.90	0.28	0.41	0.21	0.38	0.72
21	0.19	0.34	0.22	7.6	1.1	12	0.85	0.27	0.43	0.19	0.19	0.73
22	0.21	0.38	0.51	2.1	0.98	2.7	0.61	0.24	0.54	0.19	0.31	0.80
23	0.26	1.4	0.65	62	0.98	2.0	0.58	0.23	0.69	0.22	0.28	0.93
24	0.19	9.3	1.2	5.5	0.99	1.7	0.67	0.21	0.65	0.90	2.2	0.80
25	6.7	0.47	0.67	13	0.99	1.6	1.8	0.22	0.30	0.73	4.3	0.87
26	0.23	0.29	0.60	2.5	1.0	3.7	0.56	0.21	4.6	1.7	4.4	15
27	0.18	0.25	0.38	1.4	1.0	2.1	0.57	0.18	0.84	0.35	2.7	3.6
28	0.16	0.20	0.21	1.2	1.1	1.5	0.63	0.18	0.34	0.12	0.39	1.3
29	0.16	0.24	0.22	1.0	---	1.5	0.62	0.27	0.14	0.07	0.36	0.63
30	0.18	0.41	0.22	1.0	---	5.0	0.59	13	0.12	0.18	0.38	0.64
31	0.19	---	0.22	1.0	---	30	---	1.9	---	0.15	46	---
TOTAL	17.34	19.42	55.94	183.92	63.33	176.9	37.51	59.71	29.70	69.72	96.60	93.43
MEAN	0.559	0.647	1.805	5.933	2.262	5.706	1.250	1.926	0.990	2.249	3.116	3.114
MAX	6.7	9.3	28	62	20	35	8.1	14	8.0	34	46	26
MIN	0.07	0.20	0.17	0.22	0.70	1.0	0.56	0.18	0.12	0.06	0.01	0.25
CFSM	0.10	0.12	0.34	1.10	0.42	1.06	0.23	0.36	0.18	0.42	0.58	0.58
IN.	0.12	0.13	0.39	1.27	0.44	1.22	0.26	0.41	0.21	0.48	0.67	0.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002
MEAN	2.300	1.668	2.287	5.149	3.930
MAX	7.05	2.25	3.74	6.97	5.72
(WY)	2000	2001	1999	1999	2000
MIN	0.35	0.65	1.48	2.13	2.26
(WY)	2001	2002	2001	2001	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1998 - 2002

ANNUAL TOTAL	828.09	903.52		
ANNUAL MEAN	2.269	2.475		
HIGHEST ANNUAL MEAN			2.991	
LOWEST ANNUAL MEAN			3.85	2000
HIGHEST DAILY MEAN	101	Mar 29	2.35	2001
LOWEST DAILY MEAN	0.03	Aug 21	101	Mar 29 2001
ANNUAL SEVEN-DAY MINIMUM	0.10	Aug 20	0.01	Aug 8 2002
MAXIMUM PEAK FLOW			0.08	Aug 3
MAXIMUM PEAK STAGE			0.08	Aug 3 2002
INSTANTANEOUS LOW FLOW			287	Jul 13
ANNUAL RUNOFF (CFSM)	0.42		4.77	Jul 13
ANNUAL RUNOFF (INCHES)	5.73		0.00*	Aug 8
10 PERCENT EXCEEDS	4.3		7.17	Jul 27 1998
50 PERCENT EXCEEDS	0.70		0.00*	Aug 8 2002
90 PERCENT EXCEEDS	0.17		0.56	
			6.25	7.55
			5.7	6.3
			0.58	0.87
			0.18	0.19

* See REMARKS.

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

