

SANTEE RIVER BASIN

02146315 TAGGART CREEK AT WEST BOULEVARD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°12'21", long 80°55'24", 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 sea level, North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record and current water year also occurred Aug. 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	.36	.80	.87	.79	1.0	3.0	.69	12	.32	.19	.27
2	.17	.38	.84	.89	.79	.99	1.8	.74	2.2	.34	.18	.18
3	.19	.38	.80	.87	.77	6.1	2.6	.79	.93	.63	.15	8.2
4	.21	.32	.86	e.90	.72	24	1.4	.81	.77	7.9	.15	17
5	.27	.39	.93	e.90	.80	4.0	1.2	.86	.69	2.7	.17	.89
6	.32	.13	.95	e.91	.76	2.0	1.1	.90	.62	.47	.15	.23
7	.29	.15	.84	.96	.76	1.4	1.1	.88	.65	.26	.19	.17
8	.27	.16	.80	6.6	.77	1.2	1.0	.93	1.8	.56	.27	.13
9	.26	4.7	.80	1.4	1.0	1.2	.97	.96	.77	.41	.17	6.1
10	.29	3.4	.80	.97	2.2	1.1	.98	.92	.60	.28	.17	.58
11	.39	.70	.80	1.0	.92	1.0	.96	.87	.55	.33	.15	.18
12	.30	.63	.86	4.7	2.7	4.1	.94	.81	.57	.32	.15	.18
13	.23	.60	1.2	1.8	2.2	2.5	5.2	.70	.59	1.7	1.5	.19
14	.20	6.8	3.2	.91	3.4	1.1	1.1	.63	.59	.27	.42	.18
15	.21	1.1	1.0	.87	1.2	21	1.6	.60	.52	.20	.12	.16
16	.17	.73	4.8	.92	1.1	3.3	.92	.57	.53	.19	.12	.15
17	.17	4.7	9.7	.89	28	2.0	.80	.57	.50	.20	.10	.15
18	.17	.90	1.4	2.1	2.4	1.4	.96	.58	.46	.26	.46	.16
19	.15	9.6	2.3	17	1.6	1.2	.88	1.3	.50	2.0	.26	.15
20	.18	3.2	1.4	7.7	1.2	42	.87	1.3	.51	.54	.06	6.7
21	.38	1.2	1.0	2.5	1.0	26	.86	1.7	.55	.19	.03	.29
22	.58	.88	1.2	1.2	10	4.0	.85	7.3	1.8	.18	.05	.20
23	.65	.87	.91	.97	1.8	2.6	.84	1.2	1.1	.99	.14	.17
24	.63	.80	.94	.89	1.1	1.8	1.3	7.7	.41	6.1	.20	63
25	.66	18	.91	.84	11	1.5	9.6	4.8	.40	1.4	.10	1.9
26	.63	2.7	1.1	.81	2.3	1.4	1.0	8.7	12	1.6	.10	1.1
27	.62	1.1	.97	.80	1.4	1.2	.77	1.1	.91	.32	.13	.37
28	.61	.89	1.0	.76	1.3	1.2	.70	10	1.2	.29	.08	.22
29	.51	.85	.90	.76	---	101	.64	5.9	.59	.34	.11	.27
30	.49	.80	.88	2.5	---	11	.74	1.1	.34	.29	.11	.32
31	.38	---	.86	.91	---	4.0	---	.85	.23	.23	.15	---
TOTAL	10.76	67.42	45.75	66.10	83.98	278.29	46.68	66.76	45.65	31.81	6.33	109.79
MEAN	.35	2.25	1.48	2.13	3.00	8.98	1.56	2.15	1.52	1.03	.20	3.66
MAX	.66	18	9.7	17	28	101	9.6	10	12	7.9	1.5	63
MIN	.15	.13	.80	.76	.72	.99	.64	.57	.34	.18	.03	.13
CFSM	.06	.42	.27	.40	.56	1.67	.29	.40	.28	.19	.04	.68
IN.	.07	.47	.32	.46	.58	1.92	.32	.46	.32	.22	.04	.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	2.88	2.01	2.45	4.89
MAX	7.05	2.25	3.74	6.97
(WY)	2000	2001	1999	2000
MIN	.35	1.78	1.48	2.13
(WY)	2001	2000	2001	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1998 - 2001

ANNUAL TOTAL	1195.97	859.32	
ANNUAL MEAN	3.27	2.35	3.16
HIGHEST ANNUAL MEAN			3.85
LOWEST ANNUAL MEAN			2.35
HIGHEST DAILY MEAN	60	101	101
LOWEST DAILY MEAN	.08	.03	.03
ANNUAL SEVEN-DAY MINIMUM	.13	.10	.10
MAXIMUM PEAK FLOW		454	780
MAXIMUM PEAK STAGE		5.73	7.17
INSTANTANEOUS LOW FLOW		.01*	.01*
ANNUAL RUNOFF (CFSM)	.61	.44	.59
ANNUAL RUNOFF (INCHES)	8.27	5.94	7.98
10 PERCENT EXCEEDS	6.2	4.7	6.5
50 PERCENT EXCEEDS	.98	.86	.90
90 PERCENT EXCEEDS	.17	.17	.21

e Estimated.
* See REMARKS.

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

