

02146315 TAGGART CREEK AT WEST BOULEVARD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°12'24", long 80°55'19", 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.--Records fair except those for estimated daily discharges, which are poor. No flow for part of Aug. 8, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.67	0.83	0.76	6.5	4.8	24	3.4	3.6	5.1	3.6	3.9	30
2	0.82	0.82	0.77	3.4	3.8	18	2.6	7.0	3.7	50	2.3	9.8
3	0.87	0.81	0.78	8.4	3.2	6.2	2.4	3.9	20	4.1	12	7.4
4	0.87	0.86	4.6	3.3	7.8	4.8	2.3	2.9	12	2.8	138	11
5	0.85	20	75	2.9	3.3	6.1	4.1	4.0	4.7	2.5	25	7.2
6	e0.82	17	15	2.8	7.3	107	9.3	55	8.8	2.3	4.5	5.5
7	e0.81	1.9	8.1	2.6	17	8.7	123	7.3	263	2.0	3.8	4.4
8	0.76	1.3	5.0	2.6	4.8	5.9	24	4.7	45	2.4	127	3.8
9	1.2	0.85	3.9	2.6	3.7	4.7	63	3.7	22	12	41	2.5
10	0.75	0.88	4.0	2.4	7.3	4.2	238	3.0	6.3	2.7	38	1.2
11	e100	7.7	35	2.3	3.7	3.9	24	2.8	4.6	9.3	8.9	1.2
12	e8.0	62	4.9	2.2	3.5	4.0	8.9	2.6	5.6	5.2	15	1.3
13	e20	4.3	64	2.2	3.1	3.5	6.4	2.4	3.7	44	8.0	1.3
14	e7.0	2.2	8.1	2.2	5.1	3.3	5.0	2.3	3.2	3.8	108	1.2
15	27	1.7	5.1	2.1	4.6	13	4.4	140	3.4	2.8	16	2.0
16	80	46	4.2	2.6	5.2	50	4.0	17	18	2.5	5.0	1.3
17	3.8	14	3.4	3.5	8.6	7.2	3.8	5.4	6.4	37	4.1	1.1
18	1.8	2.8	3.0	2.2	8.6	8.9	54	17	14	3.4	3.8	1.2
19	1.4	1.9	3.0	2.1	5.1	7.8	20	7.6	10	7.5	3.3	1.5
20	1.2	1.4	12	2.1	4.3	274	7.5	4.3	4.0	3.5	3.3	1.5
21	3.1	1.1	3.6	3.4	3.7	9.9	7.1	68	3.1	26	2.9	1.5
22	3.0	1.0	3.1	2.5	63	5.3	5.5	388	2.7	5.5	21	24
23	1.1	1.0	2.9	4.9	10	3.9	4.2	27	2.5	4.1	4.7	13
24	0.97	0.92	102	3.5	5.4	3.2	3.8	12	2.4	2.7	2.8	1.1
25	1.4	0.87	39	3.3	4.4	2.8	8.1	42	2.2	2.2	2.8	1.0
26	1.5	0.87	6.6	3.4	12	2.6	8.4	30	3.2	17	3.0	1.1
27	0.81	0.82	5.1	2.8	26	3.1	4.0	33	2.4	2.7	5.5	3.1
28	14	0.80	4.3	2.5	8.0	2.3	3.5	7.1	4.3	2.1	4.0	2.2
29	4.0	0.80	3.6	4.3	---	2.2	5.2	5.7	2.2	15	11	0.92
30	1.7	0.81	3.3	34	---	31	3.6	4.7	2.0	12	7.4	0.75
31	0.96	---	3.1	7.2	---	4.6	---	17	---	4.7	48	---
TOTAL	291.16	198.24	437.21	132.8	247.3	636.1	663.5	931.0	490.5	297.4	684.0	145.07
MEAN	9.39	6.61	14.1	4.28	8.83	20.5	22.1	30.0	16.4	9.59	22.1	4.84
MAX	100	62	102	34	63	274	238	388	263	50	138	30
MIN	0.67	0.80	0.76	2.1	3.1	2.2	2.3	2.3	2.0	2.0	2.3	0.75
CFSM	1.75	1.23	2.62	0.80	1.64	3.81	4.11	5.58	3.04	1.78	4.10	0.90
IN.	2.01	1.37	3.02	0.92	1.71	4.40	4.59	6.44	3.39	2.06	4.73	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	3.72	2.66	4.65	4.98	4.90	8.68	7.36	7.42	4.89	3.48	5.26	4.17
MAX	9.39	6.61	14.1	6.97	8.83	20.5	22.1	30.0	16.4	9.59	22.1	5.74
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	0.35	0.65	1.48	2.13	2.26	2.91	1.25	1.36	0.99	1.03	0.20	3.11
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(2000)	(2002)	(2001)	(2001)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1998 - 2003

ANNUAL TOTAL	1,737.43	5,154.28	
ANNUAL MEAN	4.76	14.1	5.21
HIGHEST ANNUAL MEAN			14.1
LOWEST ANNUAL MEAN			2.35
HIGHEST DAILY MEAN	102	Dec 24	388
LOWEST DAILY MEAN	0.01	Aug 8	0.67
ANNUAL SEVEN-DAY MINIMUM	0.08	Aug 3	0.79
MAXIMUM PEAK FLOW			2,660
MAXIMUM PEAK STAGE			10.45
INSTANTANEOUS LOW FLOW			0.63
ANNUAL RUNOFF (CFSM)	0.88		2.62
ANNUAL RUNOFF (INCHES)	12.01		35.64
10 PERCENT EXCEEDS	12		30
50 PERCENT EXCEEDS	0.99		4.0
90 PERCENT EXCEEDS	0.23		1.1
			0.22

e Estimated.

* See REMARKS.

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

