

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 and crest-stage gage. 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. Minimum discharge for current water year also occurred July 16, 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.6	1.5	1.5	1.6	7.5	14	9.4	0.61	0.55	2.2	0.92
2	1.1	1.7	1.5	1.5	1.8	4.7	2.5	59	0.45	0.50	0.98	0.82
3	1.2	1.7	1.5	1.7	13	3.2	2.3	4.2	0.43	0.94	0.81	0.82
4	1.2	1.8	3.3	1.5	2.1	2.8	2.1	1.6	0.81	1.1	1.5	0.89
5	1.2	2.8	3.7	5.3	1.9	2.6	1.9	1.1	0.47	e0.77	0.69	1.1
6	1.0	1.7	2.4	2.2	e115	2.5	1.8	0.90	0.41	e0.44	e0.75	9.4
7	1.1	1.7	1.6	1.5	9.3	2.4	1.8	0.82	0.44	0.37	0.38	129
8	4.4	3.0	1.5	1.5	3.1	2.3	1.8	0.77	0.73	0.34	e0.65	e79
9	3.4	1.6	1.5	2.2	2.5	2.4	1.7	1.0	1.5	0.31	e0.51	e3.5
10	2.2	1.5	27	1.6	2.2	2.4	1.7	1.1	0.55	2.7	0.39	e1.9
11	13	1.6	3.2	1.5	2.1	2.2	1.8	0.63	0.45	2.2	0.40	e1.4
12	e1.8	1.7	1.7	1.5	20	2.2	8.3	0.69	0.34	0.33	71	e1.0
13	e1.5	1.6	17	1.6	3.3	2.1	32	0.64	19	0.31	e52	1.4
14	e1.6	1.5	26	1.5	4.2	2.2	3.3	0.61	53	0.26	e62	3.3
15	e1.7	1.5	3.0	1.6	5.5	2.6	2.1	0.59	2.6	0.25	e16	1.4
16	e1.5	1.5	2.2	1.5	3.0	3.7	1.8	0.57	8.6	0.24	e6.5	1.9
17	e1.6	1.5	6.0	1.5	2.3	2.2	1.7	1.5	0.71	157	e1.2	e23
18	e1.6	1.5	2.3	4.2	2.2	3.2	1.6	0.57	0.56	36	e0.70	e2.5
19	e1.7	9.8	2.0	1.8	2.3	2.7	1.6	0.54	0.54	1.4	5.6	e1.2
20	e1.6	1.9	1.8	1.5	2.1	2.1	1.6	0.52	0.49	0.92	1.2	e1.1
21	e1.7	1.5	1.8	1.5	2.2	3.4	1.6	0.50	35	0.71	e6.4	e1.1
22	e1.4	1.5	1.8	1.5	2.0	2.0	1.5	0.49	1.8	0.46	e1.9	e1.0
23	e1.3	1.5	1.8	1.5	2.1	2.0	1.4	0.73	57	0.48	0.74	e1.1
24	e1.3	1.6	1.7	1.6	2.1	2.0	1.4	0.52	5.1	0.44	0.72	e1.0
25	e1.3	1.6	1.5	2.4	2.0	2.0	1.4	0.42	80	0.43	0.67	e1.0
26	e1.4	1.6	1.6	e2.2	3.4	2.0	2.5	0.43	19	0.56	0.59	e1.2
27	e1.5	1.6	1.6	e3.2	13	2.0	2.0	0.61	1.5	38	0.58	67
28	7.0	2.8	1.5	e5.0	14	2.0	1.5	0.79	1.0	1.2	0.60	e27
29	8.9	1.9	1.5	2.2	11	1.9	e1.5	0.52	0.73	20	e6.6	e2.5
30	1.8	1.6	1.7	1.9	---	3.8	1.5	0.42	0.63	1.4	e2.2	e1.5
31	1.8	---	1.5	1.7	---	18	---	7.7	---	0.84	e9.4	---
TOTAL	74.9	60.4	128.7	63.4	251.3	99.1	103.7	99.88	294.45	271.45	275.66	369.95
MEAN	2.42	2.01	4.15	2.05	8.67	3.20	3.46	3.22	9.82	8.76	8.89	12.3
MAX	13	9.8	27	5.3	115	18	32	59	80	157	71	129
MIN	1.0	1.5	1.5	1.5	1.6	1.9	1.4	0.42	0.34	0.24	0.38	0.82
CFSM	0.45	0.37	0.77	0.38	1.61	0.59	0.64	0.60	1.82	1.63	1.65	2.29
IN.	0.52	0.42	0.89	0.44	1.74	0.69	0.72	0.69	2.04	1.88	1.91	2.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	3.50	2.55	4.57	4.49	5.55	7.77	6.71	6.72	5.71	4.23	5.78	5.34
MAX	9.39	6.61	14.1	6.97	8.83	20.5	22.1	30.0	16.4	9.59	22.1	12.3
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	0.35	0.65	1.48	2.05	2.26	2.91	1.25	1.36	0.99	1.03	0.20	3.11
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(2002)	(2000)	(2002)	(2001)	(2001)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	4,491.67		2,092.89		5.30	
ANNUAL MEAN	12.3		5.72		2.35	
HIGHEST ANNUAL MEAN					14.1	2003
LOWEST ANNUAL MEAN					2.35	2001
HIGHEST DAILY MEAN	388	May 22	157	Jul 17	388	May 22, 2003
LOWEST DAILY MEAN	0.75	Sep 30	0.24	Jul 16	0.01	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 29	0.52	May 20	0.08	Aug 3, 2002
MAXIMUM PEAK FLOW			1,900	Jul 17	2,660	Jun 7, 2003
MAXIMUM PEAK STAGE			8.97	Jul 17	10.45	Jun 7, 2003
INSTANTANEOUS LOW FLOW			0.22*	Jul 15	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	2.29		1.06		0.985	
ANNUAL RUNOFF (INCHES)	31.06		14.47		13.38	
10 PERCENT EXCEEDS	24		9.4		9.4	
50 PERCENT EXCEEDS	3.6		1.6		1.3	
90 PERCENT EXCEEDS	1.5		0.55		0.24	

* See REMARKS.

e Estimated.

