

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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.3	e0.80	1.7	1.1	1.9	5.1	5.0	6.8	16	1.4	1.3	0.82
2	e1.4	e0.80	0.72	1.0	1.8	3.3	4.9	1.8	42	1.3	1.0	0.77
3	e2.5	e1.4	0.64	1.1	24	2.3	2.8	1.5	3.0	1.2	0.88	0.62
4	e1.3	e9.3	0.60	1.2	3.9	2.1	2.4	1.3	1.9	1.2	0.88	0.57
5	e1.0	1.9	0.56	1.0	2.5	2.0	2.2	1.3	1.5	1.0	0.83	0.53
6	e1.2	0.81	9.9	1.1	1.9	1.9	2.1	2.5	18	0.91	0.65	0.65
7	e1.0	0.65	2.6	1.1	1.8	1.9	2.7	1.4	11	9.1	0.76	0.56
8	e0.90	0.84	0.85	1.1	1.7	27	3.3	1.3	4.0	1.4	58	0.55
9	e0.90	1.1	7.2	1.1	1.7	3.6	2.2	1.2	4.0	0.87	10	0.52
10	e1.0	0.99	67	1.1	1.7	2.6	1.9	12	2.6	0.89	2.1	0.52
11	e0.90	1.1	3.7	1.1	1.5	2.2	1.9	3.7	1.6	4.0	1.2	0.46
12	e0.90	12	2.2	1.2	1.5	2.2	36	6.1	1.5	1.4	11	0.53
13	e14	1.8	1.7	1.2	1.6	2.2	18	3.3	1.5	2.4	1.9	0.49
14	e1.6	0.76	1.4	42	6.7	5.4	28	1.8	1.1	1.1	1.0	0.55
15	e1.0	0.72	1.3	3.6	2.4	2.0	4.3	2.9	0.99	0.86	0.81	0.56
16	e0.90	0.63	1.2	2.6	1.7	28	3.1	2.2	0.92	0.80	0.72	11
17	e0.90	0.65	1.2	2.0	1.5	17	2.5	1.4	0.92	0.76	5.9	0.63
18	e0.80	0.67	1.2	1.8	1.4	4.4	2.3	1.2	0.91	0.71	0.95	0.24
19	e0.90	0.69	1.2	1.7	1.4	3.2	2.1	1.1	28	0.63	0.76	0.19
20	e0.90	0.69	1.2	1.8	2.7	2.5	1.9	8.8	2.3	0.55	0.58	0.18
21	e0.90	0.61	1.1	1.7	12	2.3	1.8	1.7	1.5	0.54	0.55	0.16
22	e1.0	0.65	1.1	1.7	3.1	18	6.7	1.3	1.3	0.53	0.59	0.15
23	e1.0	2.8	18	1.7	2.0	52	2.8	1.2	1.2	0.64	42	0.16
24	e1.3	14	2.5	1.5	14	5.5	1.7	1.1	1.1	0.53	2.5	0.13
25	e1.0	3.5	1.4	1.7	3.2	3.7	1.7	1.1	1.0	0.59	1.6	0.14
26	e1.0	0.89	1.2	2.0	2.1	2.9	1.6	1.0	2.4	0.68	1.3	0.19
27	e1.0	12	1.1	1.6	6.1	8.8	1.7	1.0	42	0.68	1.1	0.19
28	e1.1	5.5	1.0	1.5	61	118	1.6	1.0	35	15	0.88	0.16
29	e1.1	1.1	1.1	2.6	---	6.5	1.5	1.0	2.7	17	0.91	0.57
30	e1.3	0.77	1.1	e11	---	4.0	5.9	2.4	1.7	71	0.96	0.23
31	e1.1	---	1.1	e1.6	---	16	---	1.2	---	2.7	1.0	---
TOTAL	47.10	80.12	138.77	98.5	168.8	358.6	156.6	77.6	233.64	142.37	154.61	23.02
MEAN	1.52	2.67	4.48	3.18	6.03	11.6	5.22	2.50	7.79	4.59	4.99	0.77
MAX	14	14	67	42	61	118	36	12	42	71	58	11
MIN	0.80	0.61	0.56	1.0	1.4	1.9	1.5	1.0	0.91	0.53	0.55	0.13
CFSM	0.28	0.50	0.83	0.59	1.12	2.15	0.97	0.47	1.45	0.85	0.93	0.14
IN.	0.33	0.55	0.96	0.68	1.17	2.48	1.08	0.54	1.62	0.98	1.07	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	3.22	2.57	4.55	4.30	5.61	8.31	6.49	6.12	6.01	4.28	5.68	4.76
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	0.77
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(2002)	(2000)	(2002)	(2001)	(2001)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1998 - 2005

ANNUAL TOTAL	2,094.88	1,679.73		
ANNUAL MEAN	5.72	4.60	5.20	
HIGHEST ANNUAL MEAN			14.1	2003
LOWEST ANNUAL MEAN			2.35	2001
HIGHEST DAILY MEAN	157	Jul 17	118	Mar 28
LOWEST DAILY MEAN	0.24	Jul 16	0.13	Sep 24
ANNUAL SEVEN-DAY MINIMUM	0.52	May 20	0.16	Sep 19
MAXIMUM PEAK FLOW			759	Aug 8
MAXIMUM PEAK STAGE			6.17	Aug 8
INSTANTANEOUS LOW FLOW			0.09	Sep 24
ANNUAL RUNOFF (CFSM)	1.06		0.855	0.966
ANNUAL RUNOFF (INCHES)	14.49		11.61	13.13
10 PERCENT EXCEEDS	10		11	9.4
50 PERCENT EXCEEDS	1.5		1.4	1.3
90 PERCENT EXCEEDS	0.55		0.63	0.26

* See REMARKS.

e Estimated.

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

