

02146285 STEWART CREEK AT WEST MOREHEAD STREET AT CHARLOTTE, NC

LOCATION.--Lat 35°13'42", long 80°52'09", Mecklenburg County, Hydrologic Unit 03050103, on right bank at bridge on West Morehead Street (US 29), 0.5 mi upstream of Irwin Creek, and 1.8 mi northeast of city hall, Charlotte.

DRAINAGE AREA.--11.1 mi².

PERIOD OF RECORD.--October 2000 to current year.

REVISED RECORDS.--WDR NC-03-1B: 2001, 2002.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 617.43 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Site is affected by variable backwater conditions at high flow; therefore, a peak flow was not determined for current water year and period of record. Missing values on the daily values table are days when flow exceeded rating. Minimum discharge for period of record and current water year affected by regulation of unknown origin. Minimum discharge for period of record also occurred Aug. 5, 6, 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	10	8.5	10	7.5	8.0	16	14	20	42	11	8.6	4.7
2	8.6	8.5	8.0	7.5	8.2	11	16	8.5	---	9.1	5.9	5.8
3	20	7.8	7.9	6.9	48	12	11	8.6	13	7.8	15	4.4
4	8.2	59	7.1	7.3	12	10	12	8.5	10	6.2	7.8	5.7
5	7.4	11	7.8	7.1	8.5	10	11	7.8	8.4	7.2	7.4	5.3
6	7.0	6.6	25	7.5	9.3	9.1	11	10	9.2	7.3	4.9	5.6
7	5.9	7.0	11	6.7	8.3	11	12	9.1	7.9	34	6.3	5.1
8	6.5	6.9	8.1	7.2	8.5	70	10	8.1	14	7.1	---	6.5
9	7.5	7.2	25	7.3	7.8	13	9.1	7.7	17	6.7	20	5.8
10	6.7	5.7	---	6.9	9.0	13	9.4	51	14	7.7	8.7	5.0
11	6.1	5.9	15	6.8	7.4	11	11	14	10	22	7.5	4.3
12	6.5	31	11	9.2	8.1	11	---	11	9.1	13	7.9	6.8
13	13	7.9	9.5	8.9	8.2	9.4	43	10	8.8	17	7.7	4.4
14	7.4	5.3	8.5	---	20	14	e58	7.9	8.0	8.1	7.0	5.5
15	6.1	5.5	9.7	10	8.4	9.2	e15	11	e7.2	7.0	6.8	5.6
16	6.9	5.7	8.6	9.4	8.4	51	e11	8.2	e7.7	5.2	6.6	---
17	6.7	5.6	8.6	8.8	8.2	41	e11	8.5	7.4	6.5	14	6.1
18	6.8	4.3	8.4	7.7	7.4	14	e10	8.1	7.2	7.2	5.8	5.6
19	6.9	5.2	8.8	9.7	7.2	12	8.8	8.2	---	6.4	7.4	5.5
20	7.3	5.6	8.4	11	11	12	8.7	23	12	5.2	6.9	6.1
21	6.9	5.6	8.1	9.8	29	11	10	8.3	8.9	6.9	7.2	7.1
22	6.9	5.5	8.4	7.6	11	34	21	7.6	7.4	---	6.2	6.0
23	6.8	9.6	38	7.5	8.7	---	10	9.5	7.7	8.0	---	6.1
24	9.4	33	9.6	8.0	35	17	8.9	8.5	8.4	6.4	7.1	7.0
25	7.2	17	8.1	11	10	13	11	7.1	7.9	7.9	6.6	5.9
26	7.5	8.2	8.0	9.5	9.0	10	9.6	7.3	15	6.2	4.4	4.8
27	5.8	34	8.4	7.6	14	21	9.1	9.3	34	6.8	6.1	7.8
28	8.3	21	7.3	6.7	108	---	7.7	7.9	61	---	5.4	6.9
29	11	9.8	7.3	9.9	---	23	9.4	7.7	12	52	6.1	10
30	7.1	7.9	7.5	25	---	14	18	10	6.9	---	6.6	6.0
31	7.4	---	7.8	9.6	---	35	---	8.6	---	15	6.2	---

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2001 - 2005

LOWEST DAILY MEAN	4.3	Nov 18	4.3	Nov 18	3.7	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	5.3	Nov 14	5.2	Sep 1	4.7	Sep 7, 2002
MAXIMUM PEAK STAGE			10.63	Jul 30	13.14	Jun 7, 2003
INSTANTANEOUS LOW FLOW			2.6*	Sep 1	1.8*	Aug 1, 2002

* See REMARKS.

e Estimated.

02146285 STEWART CREEK AT WEST MOREHEAD STREET AT CHARLOTTE, NC—Continued

