

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.

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

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

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.--No estimated daily discharges. Records fair. 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. Minimum discharge for current water year also occurred July 13-15, Aug. 4, 7, 10, 27-29.

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	6.7	6.9	7.1	6.6	6.3	18	30	25	10	8.8	9.9	6.8
2	6.3	6.6	9.0	6.9	8.6	14	8.9	---	7.5	6.6	7.5	5.4
3	6.6	9.2	7.6	6.9	33	11	7.4	14	6.8	13	5.9	5.4
4	7.2	8.9	9.7	6.2	9.4	8.8	7.8	8.0	8.1	7.5	5.9	5.9
5	6.5	7.7	10	25	6.9	8.9	7.1	7.0	6.0	13	6.6	5.4
6	6.1	8.5	7.1	9.0	---	9.1	6.9	6.2	7.4	8.5	5.6	13
7	7.1	9.2	6.5	6.7	24	8.3	8.3	6.8	9.8	6.9	5.5	---
8	16	10	7.6	5.8	11	9.5	8.1	5.9	6.6	6.5	5.6	---
9	8.2	8.0	6.1	8.8	8.2	8.8	5.8	9.6	10	7.0	5.7	14
10	7.8	8.8	61	6.8	8.2	8.7	7.7	8.4	5.7	8.4	5.3	9.8
11	42	9.9	12	6.4	8.1	7.7	9.1	7.1	5.9	11	6.5	8.9
12	8.5	11	7.7	6.0	40	8.0	27	6.9	6.7	5.9	---	9.6
13	6.3	7.5	---	7.1	10	8.0	---	7.6	26	6.2	37	8.1
14	7.7	9.3	66	7.6	12	8.5	12	7.9	---	5.7	40	8.6
15	8.4	9.6	11	6.6	18	11	9.2	6.4	15	5.2	12	6.4
16	7.3	8.7	8.7	5.8	10	14	7.9	5.9	16	5.9	7.4	8.0
17	6.4	8.5	18	6.5	7.5	7.7	7.5	17	6.9	---	7.4	---
18	6.5	8.4	8.4	13	8.7	13	11	7.7	6.6	---	6.2	12
19	6.8	27	7.8	7.0	8.3	8.5	8.6	6.7	6.3	7.2	7.6	9.8
20	6.7	8.5	7.7	5.7	7.8	6.6	6.9	6.7	6.6	7.5	6.4	7.0
21	6.8	6.9	7.3	6.4	7.6	8.8	6.4	6.2	---	5.7	7.0	5.5
22	7.0	7.0	7.2	7.1	8.3	7.8	6.9	8.0	10	7.0	6.7	5.7
23	7.4	7.4	6.9	6.5	8.6	8.2	8.6	8.5	---	5.7	6.3	7.9
24	7.5	7.4	7.2	6.0	8.2	6.4	8.3	6.7	17	6.0	5.8	6.0
25	6.4	7.8	6.7	8.9	7.6	8.2	8.4	6.9	---	5.4	6.2	5.2
26	7.1	8.6	6.9	7.9	12	7.4	14	7.5	57	6.7	5.9	6.0
27	7.9	7.0	7.1	10	31	7.3	11	7.1	12	---	5.3	---
28	18	11	7.0	11	34	6.6	12	7.3	9.1	11	5.8	---
29	22	7.5	6.8	8.9	26	7.5	8.9	7.5	6.9	26	16	12
30	7.5	7.0	7.3	8.4	---	11	11	6.4	6.7	8.6	---	10
31	7.7	---	6.0	6.8	---	41	---	27	---	7.1	---	---

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2001 - 2004

LOWEST DAILY MEAN
MAXIMUM PEAK STAGE
INSTANTANEOUS LOW FLOW

6.0 Dec 31

5.2 Jul 15
11.99 Jul 17
4.0* Jun 11

3.7 Sep 13, 2002
13.14 Jun 7, 2003
1.8* Aug 1, 2002

* See REMARKS.

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

