02146285 STEWART CREEK AT WEST MOREHEAD STREET AT CHARLOTTE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°13′42″, long 80°52′09″ referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank at bridge on West Morehead Street (U.S. Highway 29), 0.5 mi upstream of Irwin Creek, and 1.8 mi northeast of city hall, Charlotte.

DRAINAGE AREA.--11.1 mi^2.

SURFACE-WATER RECORDS

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

REVISED RECORDS.-- WDR NC-03-1B: 2001, 2002 (daily discharges).

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.

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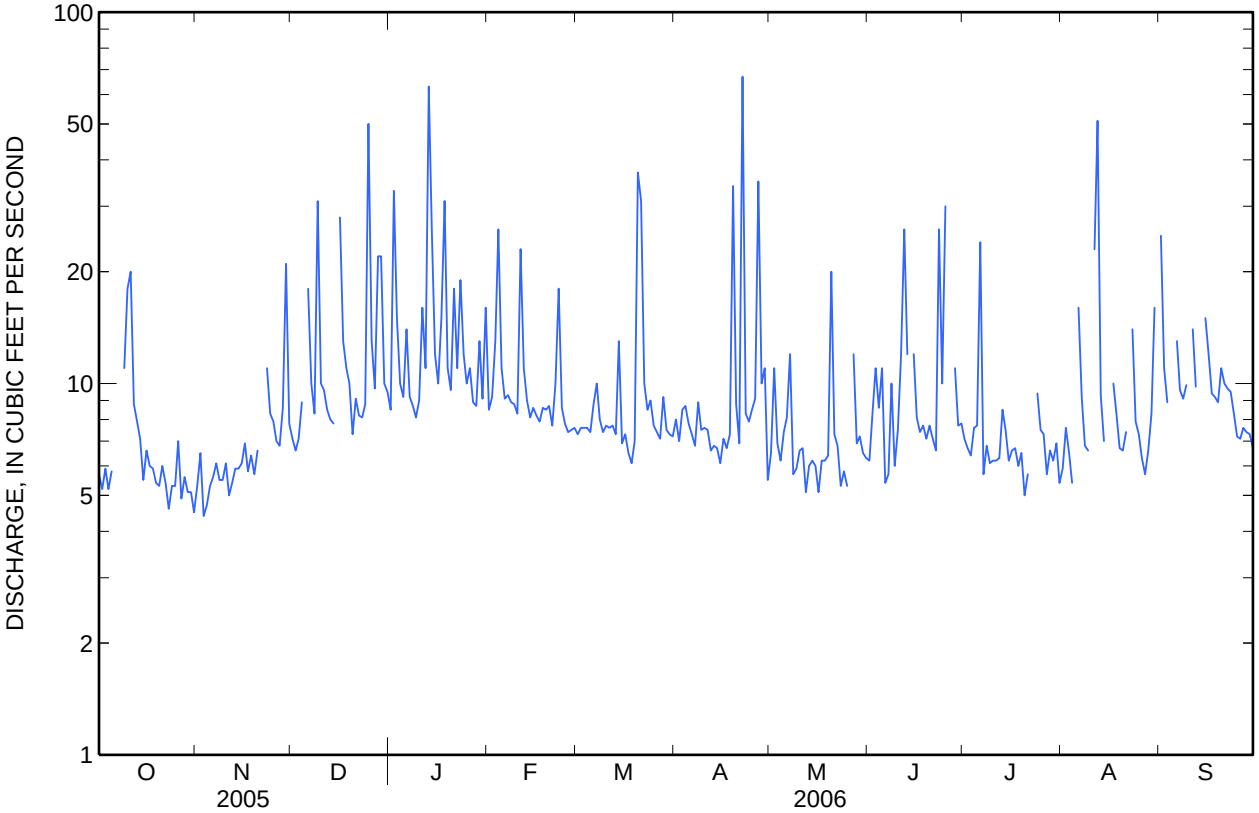
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.7	5.3	7.1	8.5	8.5	7.3	8.0	6.5	6.2	7.1	5.9	25
2	5.2	6.5	6.6	33	9.2	7.6	7.0	11	8.4	6.7	7.6	11
3	5.9	4.4	7.1	15	13	7.6	8.5	6.9	11	6.4	6.5	8.9
4	5.2	4.7	8.9	10	26	7.6	8.7	6.2	8.6	7.6	5.4	---
5	5.8	5.3	---	9.2	11	7.4	7.8	7.4	11	7.7	---	---
6	---	5.6	18	14	9.1	8.8	7.3	8.1	5.4	24	16	13
7	---	6.1	10	9.2	9.3	10	6.8	12	5.7	5.7	9.2	9.6
8	---	5.5	8.3	8.7	8.9	8.0	8.9	5.7	10	6.8	6.8	9.1
9	11	5.5	31	8.1	8.8	7.4	7.5	5.9	6.0	6.1	6.6	9.9
10	18	6.1	10	9.0	8.3	7.7	7.6	6.6	7.5	6.2	---	---
11	20	5.0	9.6	16	23	7.6	7.5	6.7	12	6.2	23	14
12	8.8	5.4	8.5	11	11	7.7	6.6	5.1	26	6.3	51	9.8
13	7.9	5.9	8.0	63	9.0	7.3	6.8	6.0	12	8.5	9.3	---
14	7.1	5.9	7.8	26	8.1	13	6.7	6.2	---	7.5	7.0	---
15	5.5	6.1	---	12	8.6	6.9	6.1	6.0	12	6.2	---	15
16	6.6	6.9	28	10	8.2	7.3	7.1	5.1	8.1	6.6	---	12
17	6.0	5.8	13	15	7.9	6.5	6.7	6.2	7.4	6.7	10	9.4
18	5.9	6.4	11	31	8.6	6.1	7.3	6.2	7.7	6.0	8.2	9.2
19	5.4	5.7	10	11	8.5	7.0	34	6.4	7.1	6.5	6.7	8.9
20	5.3	6.6	7.3	9.6	8.7	37	8.8	20	7.7	5.0	6.6	11
21	6.0	---	9.1	18	7.7	31	6.9	7.3	7.1	5.7	7.4	10
22	5.4	---	8.2	11	10	10	67	6.8	6.6	---	---	9.7
23	4.6	11	8.1	19	18	8.5	8.3	5.3	26	---	14	9.5
24	5.3	8.3	8.8	12	8.6	9.0	7.9	5.8	10	9.4	7.9	8.3
25	5.3	7.9	50	10	7.8	7.7	8.5	5.3	30	7.5	7.3	7.2
26	7.0	7.0	13	11	7.4	7.4	9.1	---	---	7.3	6.3	7.1
27	4.9	6.8	9.7	8.9	7.5	7.1	35	12	---	5.7	5.7	7.6
28	5.6	8.6	22	8.7	7.6	9.2	10	6.9	11	6.6	6.6	7.4
29	5.1	21	22	13	---	7.5	11	7.2	7.7	6.2	8.3	7.3
30	5.1	7.8	10	9.1	---	7.3	5.5	6.5	7.8	6.9	16	6.7
31	4.5	---	9.5	16	---	7.2	---	6.3	---	5.4	---	---

SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 2001 - 2006	
Lowest daily mean	4.3	Sep 11	4.4	Nov 3	3.7	Sep 13, 2002
Annual seven-day minimum	5.1	Oct 29	5.1	Oct 29	4.7	Sep 7, 2002
Maximum peak stage			14.08	Jul 23	14.08	Jul 23, 2006
Instantaneous low flow			[a]2.2	Nov 3	[a]1.8	Aug 1, 2002

[a] See Remarks.

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