

02146900 TWELVE MILE CREEK NEAR WAXHAW, NC

LOCATION.--Lat 34°57'07", long 80°45'21", Union County, Hydrologic Unit 03050103, on left bank at downstream side of bridge on State Highway 16, 680 ft downstream of West Fork Twelve Mile Creek, and 2.5 mi north of Waxhaw.

DRAINAGE AREA.--76.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1949-60. October 1960 to February 2004 (discontinued).

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 489.04 ft above NGVD of 1929. Prior to Mar. 13, 1962, water-stage recorder at site 20 ft upstream, Mar. 13, 1962 to June 4, 1997, water-stage recorder at site 100 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. No flow also occurred Oct. 6, 1968, Oct. 7-15, 1970, Oct. 1-22, 1983 and Aug. 26, 2001. Minimum discharge for current water year also occurred Oct. 25, 26.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1900 is 23.6 ft, Sept. 7, 1949, from floodmarks. No flow observed on Oct. 6, 1954.

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	10	7.1	8.7	11	12	---	---	---	---	---	---	---
2	9.7	6.7	8.4	10	11	---	---	---	---	---	---	---
3	8.9	6.5	8.1	11	71	---	---	---	---	---	---	---
4	8.8	6.3	8.2	11	30	---	---	---	---	---	---	---
5	8.5	6.2	12	11	17	---	---	---	---	---	---	---
6	8.6	6.1	12	15	351	---	---	---	---	---	---	---
7	8.7	6.1	10	13	1,130	---	---	---	---	---	---	---
8	13	7.2	9.6	11	83	---	---	---	---	---	---	---
9	26	6.9	9.5	12	37	---	---	---	---	---	---	---
10	16	6.7	28	13	26	---	---	---	---	---	---	---
11	57	6.9	109	12	21	---	---	---	---	---	---	---
12	24	7.4	20	11	206	---	---	---	---	---	---	---
13	16	6.8	15	12	94	---	---	---	---	---	---	---
14	13	6.6	140	11	69	---	---	---	---	---	---	---
15	11	7.0	62	11	165	---	---	---	---	---	---	---
16	10	7.1	21	10	97	---	---	---	---	---	---	---
17	8.8	7.3	20	10	40	---	---	---	---	---	---	---
18	8.0	7.3	25	12	29	---	---	---	---	---	---	---
19	8.0	14	17	13	24	---	---	---	---	---	---	---
20	7.3	39	15	12	21	---	---	---	---	---	---	---
21	7.1	14	13	11	20	---	---	---	---	---	---	---
22	6.6	11	13	10	18	---	---	---	---	---	---	---
23	6.3	9.8	12	10	17	---	---	---	---	---	---	---
24	6.0	9.6	13	10	16	---	---	---	---	---	---	---
25	6.0	8.7	13	10	16	---	---	---	---	---	---	---
26	5.8	8.2	12	11	16	---	---	---	---	---	---	---
27	6.2	7.9	12	11	27	---	---	---	---	---	---	---
28	6.8	8.6	11	12	60	---	---	---	---	---	---	---
29	46	9.9	11	13	191	---	---	---	---	---	---	---
30	13	9.7	11	13	---	---	---	---	---	---	---	---
31	8.0	---	11	13	---	---	---	---	---	---	---	---
TOTAL	399.1	272.6	690.5	356	2,915	---	---	---	---	---	---	---
MEAN	12.9	9.09	22.3	11.5	101	---	---	---	---	---	---	---
MAX	57	39	140	15	1,130	---	---	---	---	---	---	---
MIN	5.8	6.1	8.1	10	11	---	---	---	---	---	---	---
CFSM	0.17	0.12	0.29	0.15	1.31	---	---	---	---	---	---	---
IN.	0.19	0.13	0.34	0.17	1.42	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	48.1	35.2	62.8	126	154	160	94.7	46.0	34.1	36.2	43.1	29.6
MAX	372	161	261	331	351	425	302	197	149	238	318	161
(WY)	(1991)	(1986)	(1984)	(1978)	(1990)	(1980)	(2003)	(2003)	(2003)	(1978)	(1995)	(1987)
MIN	0.39	0.36	4.27	11.5	22.4	25.8	12.9	4.45	1.26	1.51	0.34	0.15
(WY)	(1984)	(2002)	(2002)	(1981)	(2002)	(1985)	(2001)	(2001)	(1986)	(2002)	(2001)	(1968)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	41,407.2		4,633.2		72.3	
ANNUAL MEAN	113		30.5		150	
HIGHEST ANNUAL MEAN					14.8	1991
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	3,000	Apr 10	1,130	Feb 7	6,700	Aug 27, 1995
LOWEST DAILY MEAN	5.8	Oct 26	5.8	Oct 26	0.00	Oct 6, 1968
ANNUAL SEVEN-DAY MINIMUM	6.2	Oct 22	6.2	Oct 22	0.00	Oct 7, 1970
MAXIMUM PEAK FLOW			1,950	Feb 7	9,970	Aug 27, 1995
MAXIMUM PEAK STAGE			12.20	Feb 7	21.94	Aug 27, 1995
INSTANTANEOUS LOW FLOW			5.7*	Oct 24	0.00*	Oct 5, 1968
ANNUAL RUNOFF (CFSM)	1.48		0.398		0.945	
ANNUAL RUNOFF (INCHES)	20.14		2.25		12.84	
10 PERCENT EXCEEDS	255		54		130	
50 PERCENT EXCEEDS	31		11		18	
90 PERCENT EXCEEDS	8.6		6.8		2.3	

* See REMARKS.

