

SANTEE RIVER BASIN

02146348 COFFEY CREEK NEAR CHARLOTTE, NC

LOCATION.--Lat 35°08'43", long 80°55'38", Mecklenburg County, Hydrologic Unit 03050103 on left bank at culvert on State Highway 49, 1.2 mi upstream from mouth, and 7.5 mi southwest of Charlotte.

DRAINAGE AREA.--9.14 mi².

PERIOD OF RECORD.-- October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 565.72 ft above sea level, North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records poor. Maximum discharge for period of record and current water year from rating curve extended above 468 ft³/s on basis of culvert computation of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.1	.66	2.0	1.5	2.6	2.4	10	e1.9	22	2.1	.66	.32	
2	1.1	.64	1.4	1.5	2.5	2.2	6.7	e1.5	5.4	2.5	.58	.22	
3	1.2	.64	1.4	e1.5	2.4	8.3	7.4	1.1	1.9	2.5	.47	9.9	
4	1.1	.67	1.2	e1.5	2.3	55	5.6	1.0	1.2	11	.39	27	
5	1.0	1.3	1.4	e1.6	2.3	10	4.6	1.0	.92	17	.43	2.9	
6	1.0	.73	1.3	e1.6	2.3	4.7	4.3	.95	.74	3.9	.32	.97	
7	1.0	.57	1.3	1.6	2.3	3.4	3.8	.90	.70	e.90	.28	.49	
8	1.3	.57	1.4	11	2.2	2.9	3.5	.88	2.1	e1.9	.25	.24	
9	1.0	5.0	1.4	4.0	2.2	2.6	3.3	.97	1.0	e1.3	.24	8.0	
10	.75	6.1	1.3	2.2	4.2	2.3	3.1	.90	.70	e.90	.23	1.5	
11	.74	1.4	1.3	2.1	2.5	2.2	3.1	.86	.62	e1.0	.20	.60	
12	.74	.91	1.3	8.8	4.5	4.0	2.9	.82	.58	e1.0	.17	.31	
13	.76	.85	1.4	6.3	4.5	8.2	7.2	.80	.77	4.3	5.0	.23	
14	.76	7.8	4.5	3.0	10	2.7	4.0	.77	.58	1.2	1.6	.15	
15	.77	1.7	2.2	2.5	4.1	42	3.6	.74	.45	.63	.37	.09	
16	.88	1.2	6.4	e2.3	3.7	9.8	3.4	.72	.42	.46	.31	.09	
17	.86	6.1	21	e2.4	54	5.1	2.8	.76	.37	.38	.17	.18	
18	.94	1.7	3.8	3.0	5.9	3.6	2.8	.77	.34	.33	.14	.08	
19	1.2	14	3.9	28	3.7	2.9	2.5	.73	.32	.44	.20	.05	
20	.73	8.3	3.7	22	3.1	49	2.5	4.5	.30	.43	.20	12	
21	.67	2.5	2.0	16	2.7	105	2.4	3.7	.27	.24	.13	1.8	
22	.75	1.6	2.2	12	18	13	2.4	9.6	1.3	.19	.09	.68	
23	.79	1.1	2.5	3.6	5.3	7.2	2.3	4.4	3.0	4.7	.09	.52	
24	.98	1.2	2.1	3.2	3.5	5.0	2.4	7.7	.51	11	.11	114	
25	.85	31	1.9	3.5	17	4.0	17	7.9	.43	4.9	.16	11	
26	.91	9.1	1.9	4.1	5.6	3.5	3.9	18	.91	3.8	.08	3.0	
27	.73	4.0	1.8	3.8	3.3	3.2	e2.3	2.7	1.4	1.4	.06	1.2	
28	.69	3.0	2.0	3.3	2.7	3.0	e1.5	14	10	1.0	.05	.75	
29	.65	2.3	1.8	3.3	---	---	190	e1.6	12	5.0	3.8	.08	.58
30	.67	1.9	1.7	5.5	---	---	83	e1.3	3.4	1.5	1.7	.09	.48
31	.66	---	1.5	3.1	---	---	16	---	2.8	---	.91	.34	---
TOTAL	27.28	118.54	85.0	169.8	179.4	656.2	124.2	108.77	65.73	87.81	13.49	199.33	
MEAN	.88	3.95	2.74	5.48	6.41	21.2	4.14	3.51	2.19	2.83	.44	6.64	
MAX	1.3	31	21	28	54	190	17	18	22	17	5.0	114	
MIN	.65	.57	1.2	1.5	2.2	2.2	1.3	.72	.27	.19	.05	.05	
CFSM	.10	.43	.30	.60	.70	2.30	.45	.38	.24	.31	.05	.72	
IN.	.11	.48	.34	.69	.73	2.66	.50	.44	.27	.36	.05	.81	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	5.86	3.19	3.72	9.78	10.1	12.7	9.97	3.39	3.83	3.24	2.15	7.48
MAX	15.0	3.95	4.35	12.1	14.4	21.2	17.1	3.68	5.08	4.37	4.81	11.8
(WY)	2000	2001	2000	1999	2000	2001	2000	1999	1999	2000	2000	2000
MIN	.88	2.74	2.74	5.48	6.41	5.17	4.14	2.97	2.19	2.51	.44	4.01
(WY)	2001	2000	2001	2001	2001	1999	2001	2000	2001	1999	2001	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1999 - 2001

ANNUAL TOTAL	2753.16	1835.55	
ANNUAL MEAN	7.52	5.03	6.26
HIGHEST ANNUAL MEAN			8.75
LOWEST ANNUAL MEAN			5.00
HIGHEST DAILY MEAN	154	Apr 15	190
LOWEST DAILY MEAN	.55	Aug 22	.05
ANNUAL SEVEN-DAY MINIMUM	.66	Oct 29	.09
MAXIMUM PEAK FLOW			650*
MAXIMUM PEAK STAGE			9.71
INSTANTANEOUS LOW FLOW			.02
ANNUAL RUNOFF (CFSM)	.82	.55	.68
ANNUAL RUNOFF (INCHES)	11.14	7.43	9.26
10 PERCENT EXCEEDS	13	9.8	11
50 PERCENT EXCEEDS	2.9	1.8	2.3
90 PERCENT EXCEEDS	.83	.32	.58

e Estimated.
* See REMARKS.

02146348 COFFEY CREEK NEAR CHARLOTTE, NC--Continued

