

SANTEE RIVER BASIN

02146348 COFFEY CREEK NEAR CHARLOTTE, NC

LOCATION.--Lat 35°08'45", long 80°55'37", North American Datum of 1983, 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 mi<sup>2</sup>.

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

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

REMARKS.--Records fair. Maximum discharge for period of record and current water year from rating curve extended above 468 ft<sup>3</sup>/s on basis of culvert computation of peak flow. Minimum discharge for period of record also occurred July 13, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.44	1.1	1.4	1.1	1.7	1.0	27	3.1	2.4	0.61	0.71	12
2	0.44	1.3	1.1	1.1	1.3	58	7.4	1.1	1.7	1.8	1.6	2.2
3	0.41	1.8	1.2	2.1	1.2	48	5.7	2.1	0.89	0.36	1.6	1.3
4	0.38	1.3	1.1	3.1	1.2	12	4.1	24	0.60	0.30	0.57	0.84
5	0.35	1.2	1.0	2.0	1.1	6.0	3.0	4.1	0.45	0.18	0.59	0.62
6	7.4	1.2	1.0	35	1.8	3.9	2.5	1.8	9.2	0.14	0.62	0.52
7	1.1	1.5	1.1	7.4	36	3.1	2.1	1.3	15	0.13	0.50	0.44
8	0.54	1.3	1.0	3.0	23	2.6	1.9	1.1	1.5	0.14	0.50	0.43
9	0.44	1.1	0.91	2.2	4.1	2.5	1.9	1.2	0.83	0.12	0.38	0.41
10	0.40	1.00	32	1.9	9.6	2.5	3.0	1.4	0.61	0.14	0.25	0.42
11	0.41	0.99	33	2.0	4.5	1.9	1.9	9.7	0.50	0.18	0.14	0.40
12	0.86	0.98	4.6	1.5	2.6	18	2.4	1.7	0.45	0.11	0.14	0.38
13	0.45	1.1	3.2	3.8	2.0	9.7	3.0	11	0.38	8.1	0.21	0.70
14	1.9	1.1	2.5	1.8	1.7	4.2	1.8	5.7	0.37	79	0.06	20
15	1.2	1.1	2.0	1.4	1.6	3.0	1.6	1.5	0.36	7.1	0.49	59
16	0.48	1.2	1.6	1.3	1.5	2.5	1.4	1.3	0.33	12	20	24
17	0.49	1.2	4.9	1.1	1.4	22	1.3	1.7	0.37	1.4	14	3.0
18	0.53	1.1	18	1.3	1.2	7.6	1.2	8.4	0.42	0.79	3.4	1.7
19	0.59	1.3	2.5	78	1.2	4.2	1.1	2.4	0.43	0.60	0.62	1.2
20	0.65	1.4	1.8	40	1.3	3.9	0.99	1.2	0.42	0.40	0.40	0.91
21	0.63	1.2	1.3	16	1.7	21	0.97	0.94	0.37	0.33	0.34	0.85
22	0.66	1.1	1.2	5.4	1.5	5.6	0.92	0.81	0.36	0.36	0.23	0.98
23	0.65	1.7	1.2	108	1.2	3.6	0.84	0.70	0.37	0.30	0.16	0.89
24	0.67	17	2.3	15	1.1	2.9	0.84	0.67	0.31	0.30	3.9	0.88
25	9.9	2.6	1.3	33	1.0	2.6	2.2	0.72	0.31	0.83	8.8	0.55
26	1.9	1.6	1.1	5.6	1.2	4.3	0.94	0.59	7.0	1.5	8.8	25
27	1.2	1.3	1.1	3.2	1.2	4.3	0.78	0.54	1.9	0.62	7.2	9.7
28	1.2	1.1	1.6	2.3	1.1	2.4	0.81	0.59	0.53	0.23	1.7	3.6
29	1.3	1.1	1.0	2.0	---	2.0	0.89	0.64	0.27	0.74	1.0	1.4
30	1.2	1.2	0.94	1.7	---	5.7	0.90	47	0.21	0.78	0.83	1.2
31	1.2	---	1.1	1.6	---	36	---	13	---	0.79	78	---
TOTAL	39.97	54.17	130.05	384.9	110.0	307.0	85.38	152.00	48.84	120.38	157.74	175.52
MEAN	1.289	1.806	4.195	12.42	3.929	9.903	2.846	4.903	1.628	3.883	5.088	5.851
MAX	9.9	17	33	108	36	58	27	47	15	79	78	59
MIN	0.35	0.98	0.91	1.1	1.0	1.0	0.78	0.54	0.21	0.11	0.06	0.38
CFSM	0.14	0.20	0.46	1.36	0.43	1.08	0.31	0.54	0.18	0.42	0.56	0.64
IN.	0.16	0.22	0.53	1.57	0.45	1.25	0.35	0.62	0.20	0.49	0.64	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

MEAN	4.718	2.847	3.841	10.44	8.584	12.04	8.187	3.767	3.279	3.401	2.885	7.069
MAX	15.0	3.95	4.35	12.4	14.4	21.2	17.1	4.90	5.08	4.37	5.09	11.8
(WY)	2000	2001	2000	2002	2000	2001	2000	2002	1999	2000	2002	2000
MIN	0.88	1.81	2.74	5.48	3.93	5.17	2.85	2.97	1.63	2.51	0.44	4.01
(WY)	2001	2002	2001	2001	2002	1999	2002	2000	2002	1999	2001	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1999 - 2002

ANNUAL TOTAL	1828.92	1765.95		
ANNUAL MEAN	5.011	4.838		5.907
HIGHEST ANNUAL MEAN				8.75
LOWEST ANNUAL MEAN				4.84
HIGHEST DAILY MEAN	190	Mar 29	108	Jan 23
LOWEST DAILY MEAN	0.05	Aug 28	0.06	Aug 14
ANNUAL SEVEN-DAY MINIMUM	0.09	Aug 23	0.14	Jul 6
MAXIMUM PEAK FLOW			315	Jul 14
MAXIMUM PEAK STAGE			7.94	Jul 14
INSTANTANEOUS LOW FLOW			0.02	Jul 13
ANNUAL RUNOFF (CFSM)	0.55		0.53	0.65
ANNUAL RUNOFF (INCHES)	7.44		7.19	8.78
10 PERCENT EXCEEDS	9.9		10	11
50 PERCENT EXCEEDS	1.5		1.2	1.9
90 PERCENT EXCEEDS	0.32		0.38	0.47

\* See REMARKS.

02146348 COFFEY CREEK NEAR CHARLOTTE, NC--Continued

