

PEE DEE RIVER BASIN

0212427947 REEDY CREEK AT SECONDARY ROAD 2803 NEAR CHARLOTTE, NC

LOCATION.--Lat 35°15'23", long 80°42'02", North American Datum of 1983, Mecklenburg County, Hydrologic Unit 03040105, on right downstream wingwall on Secondary Road 2803, 3.8 mi southeast of the University of North Carolina at Charlotte.

DRAINAGE AREA.--2.48 mi².

PERIOD OF RECORD.--October 2001 to September 2002.

GAGE.--Water-stage recorder. Datum of gage is 637.45 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges and those for Oct. to Dec., which are poor. Minimum discharge for period of record and current water year occurred many days.

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	0.08	0.52	0.56	0.29	0.83	0.58	2.0	0.17	0.14	0.07	0.00	0.14
2	0.08	0.81	0.60	0.30	0.72	4.0	1.0	0.16	0.13	0.04	0.02	0.04
3	e0.08	0.65	0.63	0.42	0.70	6.3	0.88	0.18	0.12	0.13	0.03	0.03
4	0.08	0.79	0.67	0.39	0.69	2.6	0.69	0.39	0.11	0.07	0.02	0.02
5	0.08	0.69	0.66	0.36	0.64	1.5	0.64	0.31	0.10	0.05	0.01	0.02
6	e0.18	0.58	0.69	2.1	0.70	1.2	0.59	0.20	0.15	0.02	0.02	0.02
7	0.11	0.51	0.74	1.1	2.9	0.98	0.56	0.19	0.19	0.03	0.00	0.02
8	0.09	0.77	0.80	0.63	2.8	0.87	0.51	0.18	0.11	0.03	0.01	0.02
9	0.10	0.68	0.84	0.48	1.6	0.84	0.52	0.17	0.09	0.02	0.01	0.02
10	0.12	0.80	1.3	0.44	1.5	0.74	0.58	0.20	0.13	0.10	0.00	0.02
11	e0.12	1.2	1.3	0.40	1.4	0.63	0.48	0.25	0.10	0.04	0.00	0.02
12	0.13	1.0	0.91	0.38	1.1	1.1	0.48	0.21	0.08	0.06	0.02	0.02
13	e0.14	0.93	0.47	0.46	0.98	1.7	0.50	0.27	0.09	0.04	0.01	0.02
14	e0.68	0.93	0.31	0.41	0.90	1.2	0.47	0.25	0.08	0.22	0.01	0.01
15	0.65	0.95	0.27	0.39	0.84	0.94	0.44	0.15	0.06	0.06	0.01	0.16
16	e0.42	0.92	0.27	0.38	0.82	0.84	0.41	0.13	0.05	0.06	0.02	0.17
17	e0.38	0.83	0.37	0.37	0.77	2.8	0.38	0.15	0.09	0.03	0.16	0.03
18	e0.26	0.78	0.78	0.37	0.71	2.1	0.35	0.23	0.04	0.02	0.02	0.04
19	e0.26	0.93	0.41	5.7	0.69	1.4	0.32	0.16	0.07	0.03	0.02	0.03
20	e0.20	0.86	0.33	3.8	0.73	1.3	0.30	0.15	0.07	0.02	0.02	0.03
21	0.15	0.81	0.31	1.9	0.72	3.2	0.28	0.13	0.06	0.02	0.01	0.03
22	0.21	0.70	0.30	1.3	0.68	1.9	0.23	0.17	0.05	0.02	0.01	0.03
23	0.25	0.68	0.32	18	0.67	1.3	0.20	0.12	0.08	0.02	0.01	0.03
24	0.17	0.83	0.32	3.9	0.65	1.1	0.19	0.13	0.08	0.03	0.04	0.02
25	0.27	0.85	0.30	4.5	0.62	0.92	0.23	0.13	0.06	e0.03	0.02	0.02
26	0.15	0.76	0.31	2.1	0.66	0.91	0.18	0.13	0.07	e0.03	0.02	0.12
27	0.15	0.62	0.31	1.5	0.62	0.88	0.34	0.12	0.05	0.01	0.02	0.09
28	0.31	0.59	0.30	1.2	0.59	0.73	0.20	0.10	0.04	0.01	0.03	0.05
29	0.40	0.51	0.30	0.99	---	0.74	0.18	0.10	0.04	0.01	0.02	0.03
30	0.41	0.53	0.27	0.92	---	0.83	0.14	0.35	0.01	0.00	0.02	0.03
31	0.42	---	0.29	0.84	---	1.1	---	0.24	---	0.00	1.5	---
TOTAL	7.13	23.01	16.24	56.32	27.23	47.23	14.27	5.82	2.54	1.32	2.11	1.33
MEAN	0.230	0.767	0.524	1.817	0.973	1.524	0.476	0.188	0.085	0.043	0.068	0.044
MAX	0.68	1.2	1.3	18	2.9	6.3	2.0	0.39	0.19	0.22	1.5	0.17
MIN	0.08	0.51	0.27	0.29	0.59	0.58	0.14	0.10	0.01	0.00	0.00	0.01
IN.	0.11	0.34	0.24	0.84	0.41	0.70	0.21	0.09	0.04	0.02	0.03	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MEAN	0.230	0.767	0.524	1.817	0.973	1.524	0.476	0.188	0.085	0.043	0.068	0.044
MAX	0.23	0.77	0.52	1.82	0.97	1.52	0.48	0.19	0.085	0.043	0.068	0.044
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	0.23	0.77	0.52	1.82	0.97	1.52	0.48	0.19	0.085	0.043	0.068	0.044
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	204.55	
ANNUAL MEAN	0.560	0.560
HIGHEST ANNUAL MEAN		0.56 2002
LOWEST ANNUAL MEAN		0.56 2002
HIGHEST DAILY MEAN	18 Jan 23	18 Jan 23 2002
LOWEST DAILY MEAN	0.00 Jul 30	0.00 Jul 30 2002
ANNUAL SEVEN-DAY MINIMUM	0.01 Jul 27	0.01 Jul 27 2002
MAXIMUM PEAK FLOW	63 Jan 23	63 Jan 23 2002
MAXIMUM PEAK STAGE	2.32 Jan 23	2.32 Jan 23 2002
INSTANTANEOUS LOW FLOW	0.00* Jul 30	0.00* Jun 30 2002
ANNUAL RUNOFF (INCHES)	3.04	3.05
10 PERCENT EXCEEDS	1.1	1.1
50 PERCENT EXCEEDS	0.27	0.27
90 PERCENT EXCEEDS	0.02	0.02

e Estimated.
* See REMARKS.

0212427947 REEDY CREEK AT SECONDARY ROAD 2803 NEAR CHARLOTTE, NC--Continued

