

PEE DEE RIVER BASIN

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC

LOCATION.--Lat 35°22'45", long 80°01'49", North American Datum of 1983, Montgomery County, Hydrologic Unit 03040104, near midstream at upstream end of two 6-ft corrugated metal-pipe culverts on Secondary Road 1150, 1.0 mi upstream from mouth, and 3.0 mi southwest of Uwharrie.

DRAINAGE AREA.--3.44 mi².

PERIOD OF RECORD.--October 1981 to September 1983, October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 340 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair. Maximum gage height for period of record, from floodmark. No flow also occurred June 23-25, July 8, 9, 19, Aug. 9-15, 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	0.05	0.14	0.28	0.17	0.99	0.92	7.8	0.53	0.24	0.03	0.02	2.6
2	0.02	0.14	0.26	0.18	0.84	3.9	3.3	0.56	0.31	0.02	0.02	0.45
3	0.02	0.14	0.23	0.29	0.73	7.0	2.5	0.56	0.14	0.02	0.07	0.20
4	0.02	0.13	0.23	0.33	0.73	3.5	2.1	0.86	0.12	0.02	0.06	0.12
5	0.01	0.12	0.22	0.35	0.68	2.3	1.8	1.0	0.10	0.02	0.02	0.10
6	0.15	0.12	0.23	1.6	0.79	1.9	1.6	0.68	0.07	0.01	0.02	0.05
7	0.18	0.12	0.23	1.7	4.4	1.7	1.4	0.67	0.12	0.01	0.01	0.03
8	0.07	0.12	0.25	0.91	9.0	1.5	1.4	6.0	0.13	0.00	0.01	0.02
9	0.04	0.12	0.23	0.65	3.2	1.4	1.4	1.2	0.10	0.00	0.00	0.02
10	0.03	0.12	0.48	0.76	2.4	1.3	1.6	0.81	0.06	0.01	0.00	0.02
11	0.04	0.13	2.7	0.72	2.0	1.2	1.4	0.66	0.04	0.03	0.00	0.02
12	0.04	0.12	0.59	0.52	1.6	1.2	1.4	0.60	0.03	0.02	0.00	0.02
13	0.04	0.12	0.37	0.77	1.5	4.0	1.5	0.59	0.03	0.02	0.00	0.01
14	0.32	0.13	0.33	0.61	1.3	3.4	1.3	0.71	0.02	0.02	0.00	1.6
15	0.55	0.13	0.26	0.45	1.2	2.3	1.3	0.55	0.02	0.02	0.00	2.0
16	0.19	0.14	0.20	0.38	1.2	1.9	1.2	0.45	0.01	0.02	0.63	1.3
17	0.11	0.14	0.20	0.33	1.1	2.2	1.1	0.43	0.01	0.01	0.61	0.59
18	0.10	0.14	0.46	0.33	0.99	2.3	1.00	0.50	0.01	0.01	0.16	0.30
19	0.10	0.16	0.37	5.7	0.97	1.9	0.96	0.55	0.01	0.00	0.06	0.21
20	0.10	0.17	0.27	6.5	0.99	1.8	0.93	0.44	0.01	0.09	0.06	0.14
21	0.10	0.16	0.21	2.4	1.0	3.7	0.88	0.38	0.01	0.09	0.04	0.10
22	0.10	0.16	0.17	1.9	0.97	2.9	0.81	0.38	0.00	0.06	0.02	0.07
23	0.11	0.17	0.18	28	0.92	2.2	0.71	0.37	0.00	0.06	0.02	0.05
24	0.11	0.72	0.24	6.1	0.89	1.9	0.68	0.33	0.00	0.04	0.02	0.04
25	0.19	0.68	0.23	7.6	0.85	1.7	0.82	0.32	0.00	0.33	0.02	0.03
26	0.17	0.44	0.20	3.3	0.90	1.6	0.77	0.30	0.13	0.61	0.01	0.09
27	0.13	0.33	0.18	2.2	0.88	1.6	0.72	0.26	0.44	0.44	0.02	0.23
28	0.24	0.28	0.18	1.6	0.79	1.3	0.71	0.23	0.13	0.12	0.14	0.19
29	0.22	0.26	0.18	1.3	---	1.4	0.65	0.23	0.06	0.05	0.07	0.11
30	0.17	0.28	0.17	1.2	---	1.4	0.54	0.21	0.04	0.03	0.04	0.06
31	0.14	---	0.17	1.0	---	2.1	---	0.25	---	0.02	0.97	---
TOTAL	3.86	6.13	10.50	79.85	43.81	69.42	44.28	21.61	2.39	2.23	3.12	10.77
MEAN	0.125	0.204	0.339	2.576	1.565	2.239	1.476	0.697	0.080	0.072	0.101	0.359
MAX	0.55	0.72	2.7	28	9.0	7.0	7.8	6.0	0.44	0.61	0.97	2.6
MIN	0.01	0.12	0.17	0.17	0.68	0.92	0.54	0.21	0.00	0.00	0.00	0.01
CFSM	0.04	0.06	0.10	0.75	0.45	0.65	0.43	0.20	0.02	0.02	0.03	0.10
IN.	0.04	0.07	0.11	0.86	0.47	0.75	0.48	0.23	0.03	0.02	0.03	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	2.864	2.564	2.553	5.380	5.837	7.141	4.955	2.699	1.697	1.435	1.658	1.482										
MAX	11.9	8.69	4.81	17.5	15.9	22.5	10.2	6.49	5.28	8.80	11.2	7.81										
(WY)	1991	1986	1991	1998	1998	1998	1992	1990	1994	1997	1996	1996										
MIN	0.12	0.20	0.34	1.23	1.56	2.24	1.41	0.70	0.080	0.072	0.10	0.14										
(WY)	2002	2002	2002	2001	2002	2002	1986	2002	2002	2002	2002	2001										

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1982 - 2002

ANNUAL TOTAL	381.97	297.97	
ANNUAL MEAN	1.046	0.816	3.344
HIGHEST ANNUAL MEAN			7.16
LOWEST ANNUAL MEAN			0.40
HIGHEST DAILY MEAN	20	Mar 29	206
LOWEST DAILY MEAN	0.01	Oct 5	0.00
ANNUAL SEVEN-DAY MINIMUM	0.05	Sep 13	0.00
MAXIMUM PEAK FLOW			101
MAXIMUM PEAK STAGE			3.85
INSTANTANEOUS LOW FLOW			0.00*
ANNUAL RUNOFF (CFSM)	0.30		0.24
ANNUAL RUNOFF (INCHES)	4.13		3.22
10 PERCENT EXCEEDS	2.1		1.9
50 PERCENT EXCEEDS	0.67		0.24
90 PERCENT EXCEEDS	0.10		0.02

* See REMARKS.

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC--Continued

