

PEE DEE RIVER BASIN

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC

LOCATION.--Lat 35°22'05", long 80°01'49", Montgomery County, Hydrologic Unit 03040103, 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 mi<sup>2</sup>.

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

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

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum gage height for period of record, from floodmark. Minimum discharge for period of record also occurred periodically in July and Oct. 1986. Minimum discharge for current water year also occurred Sept. 16, 17, 18, 19, 20.

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	.42	.37	.53	e.86	1.1	1.5	4.1	1.2	1.4	.46	.29	.25
2	.38	.38	.54	e.86	1.0	1.4	3.3	1.2	2.2	.42	.28	.16
3	.37	.39	.56	e.89	.96	1.7	2.9	1.2	1.1	.36	.25	.15
4	.36	.43	.52	e.94	.95	8.8	2.7	1.1	.89	.49	.22	.25
5	.37	.45	.50	e.96	.97	4.3	2.4	1.0	.78	2.2	.20	.24
6	.34	.44	.52	.95	.93	2.9	2.3	.96	.71	.67	.18	.16
7	.33	.45	.52	.91	.91	2.3	2.2	.91	.75	.47	.17	.14
8	.30	.48	.52	1.1	.90	1.9	2.1	.91	.92	.61	.14	.11
9	.28	.53	.49	1.1	.90	1.8	1.9	.93	.84	.80	.12	.10
10	.29	.65	.56	.95	1.0	1.6	1.8	.89	.77	.58	.12	.11
11	.31	.54	.60	.91	.92	1.5	1.7	.84	.68	.45	.16	.09
12	.32	.48	.59	1.2	1.6	1.6	1.7	.82	.63	.37	.15	.07
13	.30	.47	.52	1.4	2.2	2.0	1.7	.78	.71	.35	.11	.06
14	.31	.91	.59	1.2	2.3	1.6	1.7	.71	1.0	.36	.10	.06
15	.30	.80	.59	1.1	1.8	3.9	1.6	.72	.87	.31	.09	.05
16	.29	.57	1.6	1.1	1.5	3.3	1.6	.85	.88	.28	.08	.04
17	.27	.82	13	1.0	14	2.4	1.4	3.5	.66	.25	.07	.04
18	.27	.75	2.2	1.0	3.6	2.0	1.4	1.2	.54	.23	1.1	.04
19	.29	.80	1.6	1.3	2.4	1.7	1.4	.98	.48	.33	1.4	.04
20	.28	1.2	1.4	4.8	2.0	2.7	1.4	.89	.44	.30	.40	.49
21	.29	1.0	1.1	2.1	1.8	7.1	1.4	.88	.44	.24	.25	.49
22	.31	.75	1.1	1.5	2.8	4.2	1.3	1.3	1.3	.20	.19	.10
23	.30	.69	.93	1.3	2.5	2.8	1.3	2.0	2.8	.23	.16	.08
24	.33	.62	.88	1.2	2.0	2.3	1.3	1.0	1.1	.78	.15	.27
25	.39	1.6	.85	1.1	2.0	2.0	2.9	.90	1.4	.97	.12	.26
26	.40	1.7	.85	1.0	2.1	1.8	1.9	1.3	1.1	.51	.11	.10
27	.41	.90	e.91	1.0	1.7	1.6	1.5	1.1	1.0	.44	.10	.07
28	.43	.68	e.89	.98	1.6	1.5	1.4	1.1	.71	.39	.08	.06
29	.42	.61	e.84	.98	---	20	1.3	1.4	.59	.37	.09	.08
30	.37	.58	e.82	1.2	---	19	1.2	1.1	.52	.39	.08	.14
31	.37	---	e.84	1.2	---	5.6	---	.88	---	.33	.19	---
TOTAL	10.40	21.04	37.96	38.09	58.44	118.8	56.8	34.55	28.21	15.14	7.15	4.30
MEAN	.34	.70	1.22	1.23	2.09	3.83	1.89	1.11	.94	.49	.23	.14
MAX	.43	1.7	13	4.8	14	20	4.1	3.5	2.8	2.2	1.4	.49
MIN	.27	.37	.49	.86	.90	1.4	1.2	.71	.44	.20	.07	.04
CFSM	.10	.20	.36	.36	.61	1.11	.55	.32	.27	.14	.07	.04
IN.	.11	.23	.41	.41	.63	1.28	.61	.37	.31	.16	.08	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001,® BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	3.02	2.69	2.68	5.54	6.07	7.41	5.15	2.81	1.79	1.51	1.74	1.54								
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	.19	.70	1.22	1.23	1.83	2.86	1.41	.82	.24	.26	.23	.14								
(WY)	1987	2001	2001	2001	1986	1999	1986	1986	1986	1986	2001	2001								

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1982 - 2001®

ANNUAL TOTAL	738.95	430.88	
ANNUAL MEAN	2.02	1.18	3.48
HIGHEST ANNUAL MEAN			7.16
LOWEST ANNUAL MEAN			.41
HIGHEST DAILY MEAN	22	Jan 30	206
LOWEST DAILY MEAN	.23	Aug 27	.01
ANNUAL SEVEN-DAY MINIMUM	.26	Aug 21	.03
MAXIMUM PEAK FLOW			90
MAXIMUM PEAK STAGE			3.66
INSTANTANEOUS LOW FLOW			.04*
ANNUAL RUNOFF (CFSM)	.59	.34	1.01
ANNUAL RUNOFF (INCHES)	7.99	4.66	13.76
10 PERCENT EXCEEDS	4.7	2.2	5.8
50 PERCENT EXCEEDS	.93	.85	1.7
90 PERCENT EXCEEDS	.34	.15	.36

e Estimated.  
® See PERIOD OF RECORD.  
\* See REMARKS.

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC--Continued

