

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC

LOCATION.--Lat 35°22'45", long 80°01'49", 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 September 2004 (discontinued).

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

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum gage height for period of record, from floodmark. No flow also occurred June 23-25, July 8, 9, 19, Aug. 9-15, 2002. Minimum discharge for current water year also occurred Aug. 11, 12. Peak stage for current water year from floodmark inside stilling well.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.3	2.3	2.1	2.2	9.7	3.4	5.0	1.0	0.67	0.33	0.72
2	2.5	2.3	2.2	2.1	2.2	7.4	2.6	8.6	0.82	0.61	0.33	0.64
3	e2.4	2.3	2.1	2.1	3.6	4.7	2.4	6.2	0.70	0.59	0.29	0.56
4	2.3	2.3	2.4	2.2	2.7	4.0	2.2	3.3	1.3	0.60	0.21	0.56
5	2.3	2.4	3.6	2.3	2.4	3.6	2.1	2.7	1.2	0.49	0.14	0.56
6	2.2	2.5	2.8	2.3	14	3.6	2.1	2.4	0.96	0.41	0.12	0.59
7	2.3	2.7	2.4	2.0	16	3.3	2.2	2.3	1.0	0.37	0.10	10
8	2.3	2.7	2.3	2.0	5.9	3.3	2.3	2.1	0.88	0.33	0.08	e100
9	2.7	2.4	2.3	2.1	4.6	3.2	2.2	2.1	1.3	0.30	0.08	e20
10	2.3	2.3	7.3	2.1	4.2	3.2	2.2	2.0	1.4	0.28	0.06	e5.0
11	2.8	2.4	6.3	2.1	3.8	3.1	2.3	1.9	0.96	0.26	0.06	e2.0
12	2.4	2.5	3.2	2.2	8.4	3.0	3.1	1.9	0.76	0.61	0.29	e1.5
13	2.2	2.4	2.7	2.2	5.8	2.8	4.3	2.0	0.71	0.46	5.9	e1.5
14	2.6	2.2	6.6	2.2	4.7	2.8	3.6	2.0	0.85	0.69	42	1.4
15	2.6	2.3	4.1	2.2	5.2	3.2	3.0	1.9	1.2	0.34	2.1	1.3
16	2.2	2.3	3.1	2.1	6.0	3.8	2.7	1.8	1.2	0.24	1.2	1.4
17	2.2	2.3	3.4	2.0	4.6	3.4	2.5	1.8	2.9	0.22	0.90	7.9
18	2.2	2.4	2.9	2.8	e4.2	3.1	2.5	1.6	2.0	4.9	0.77	3.0
19	2.2	5.6	2.7	2.4	e3.8	3.3	2.3	1.5	1.0	0.81	0.70	1.6
20	2.2	3.8	2.5	2.1	3.6	2.9	2.2	1.6	0.80	0.52	0.61	1.3
21	2.2	2.8	2.3	2.1	3.4	2.9	2.2	1.4	0.78	0.37	0.56	1.2
22	2.2	2.6	2.3	2.1	3.1	2.6	2.0	1.5	0.90	0.31	0.56	1.1
23	2.1	2.4	2.3	2.1	3.0	2.5	2.0	2.0	0.79	0.28	0.51	1.1
24	2.1	2.4	2.5	2.1	3.1	2.5	1.9	2.3	0.94	0.23	0.51	1.1
25	2.1	2.3	2.3	2.2	2.9	2.5	1.9	1.5	1.2	0.17	0.53	1.1
26	2.5	2.2	2.2	2.4	2.9	2.5	2.1	1.3	1.5	0.19	0.53	1.1
27	2.6	2.2	2.2	2.3	3.5	2.4	2.6	1.3	0.95	0.21	0.53	2.0
28	3.0	2.8	2.2	2.3	4.0	2.4	2.0	1.1	0.82	0.37	0.51	6.5
29	4.6	2.8	2.1	2.7	6.9	2.3	1.8	1.0	0.80	1.6	0.59	2.5
30	2.7	2.4	2.2	2.8	---	2.3	1.8	1.0	0.62	0.97	2.4	1.7
31	2.4	---	2.1	2.5	---	3.0	---	1.1	---	0.41	0.87	---
TOTAL	76.0	77.3	91.9	69.2	140.7	105.3	72.5	70.2	32.24	18.81	64.37	180.93
MEAN	2.45	2.58	2.96	2.23	4.85	3.40	2.42	2.26	1.07	0.61	2.08	6.03
MAX	4.6	5.6	7.3	2.8	16	9.7	4.3	8.6	2.9	4.9	42	100
MIN	2.1	2.2	2.1	2.0	2.2	2.3	1.8	1.0	0.62	0.17	0.06	0.56
CFSM	0.71	0.75	0.86	0.65	1.41	0.99	0.70	0.66	0.31	0.18	0.60	1.75
IN.	0.82	0.84	0.99	0.75	1.52	1.14	0.78	0.76	0.35	0.20	0.70	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, @ BY WATER YEAR (WY)

MEAN	2.87	2.56	2.71	5.12	5.83	7.12	5.10	2.92	2.05	1.56	2.22	1.83
MAX	11.9	8.69	5.52	17.5	15.9	22.5	10.5	7.86	9.84	8.80	13.0	7.81
(WY)	(1991)	(1986)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(1997)	(2003)	(1996)
MIN	0.12	0.20	0.34	1.23	1.56	2.24	1.41	0.70	0.08	0.07	0.10	0.14
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(1986)	(2002)	(2002)	(2002)	(2002)	(2001)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004 [@]	
ANNUAL TOTAL	2,391.8		999.45		3.48	
ANNUAL MEAN	6.55		2.73		0.82	
HIGHEST ANNUAL MEAN					7.16	1998
LOWEST ANNUAL MEAN					0.82	2002
HIGHEST DAILY MEAN	126	Apr 10	100	Sep 8	206	Apr 21, 1992
LOWEST DAILY MEAN	1.1	Jan 24	0.06	Aug 10	0.00	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	1.3	Jan 23	0.09	Aug 5	0.00	Aug 9, 2002
MAXIMUM PEAK FLOW			526	Sep 8	1,560	Apr 21, 1992
MAXIMUM PEAK STAGE			8.98*	Sep 8	11.96*	Apr 21, 1992
INSTANTANEOUS LOW FLOW			0.06*	Aug 10	0.00*	Jun 19, 2002
ANNUAL RUNOFF (CFSM)	1.90		0.794		1.01	
ANNUAL RUNOFF (INCHES)	25.86		10.81		13.75	
10 PERCENT EXCEEDS	11		4.0		5.9	
50 PERCENT EXCEEDS	3.5		2.2		1.7	
90 PERCENT EXCEEDS	1.9		0.53		0.31	

* See REMARKS.
[@] See PERIOD OF RECORD.
 e Estimated.

