

## 0208735012 ROCKY BRANCH BELOW PULLEN DRIVE AT RALEIGH, NC

LOCATION.--Lat 35°46'48", long 78°39'59", Wake County, Hydrologic Unit 03020201, on right bank, 0.1 mi below Pullen Drive at Pullen Park and 1.5 mi north of Raleigh.

DRAINAGE AREA.--1.17 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1996 to current year. Fragmentary records, June 1992 to September 1996, are unpublished and available in the files of the USGS District Office, Raleigh, NC.

GAGE.--Water-stage recorder. Elevation of gage is 315 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow also occurred May 6, July 3, 1999, due to diversion by City of Raleigh.

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	e1.4	0.54	0.44	0.51	0.61	0.95	1.7	2.9	0.38	0.53	1.2	0.94
2	e1.3	0.60	0.46	0.54	0.61	0.89	0.77	15	0.32	1.5	12	e0.80
3	e1.4	0.62	0.49	0.60	9.4	0.87	0.69	5.0	0.30	0.89	1.3	e0.75
4	e1.2	0.70	1.7	0.62	1.3	0.82	0.71	1.2	3.7	0.81	0.64	e0.70
5	e1.1	0.31	1.2	1.9	1.1	0.83	0.68	0.95	0.65	0.75	7.9	e0.60
6	e1.3	0.98	0.43	0.79	8.5	1.4	0.68	0.92	0.42	0.32	1.4	e0.70
7	e1.2	0.51	0.39	0.65	4.3	1.2	0.67	0.84	0.43	0.34	0.45	e2.7
8	e2.4	1.3	0.43	0.54	0.98	0.88	0.65	0.79	0.40	0.31	0.33	11
9	0.92	0.38	0.49	1.2	0.90	1.5	0.77	0.74	0.62	0.27	0.30	1.1
10	1.3	0.54	13	0.73	0.82	0.84	0.75	0.78	0.47	0.31	0.34	0.68
11	0.78	0.38	1.6	0.62	0.74	0.69	0.71	0.77	0.87	0.42	0.36	0.58
12	0.64	0.36	0.81	0.85	6.8	0.67	7.0	0.74	0.60	8.4	7.5	0.54
13	0.67	0.46	0.73	0.67	1.1	0.63	2.1	0.71	0.33	0.94	29	0.53
14	2.3	0.62	12	0.68	1.7	0.91	0.90	0.46	0.41	0.41	22	3.9
15	1.2	0.57	1.1	0.67	3.7	7.0	0.64	0.19	1.8	0.41	22	e6.8
16	0.63	0.61	0.80	0.72	2.5	9.6	0.56	0.24	0.78	0.52	2.0	e1.1
17	1.1	0.65	3.1	0.85	1.8	1.7	0.54	0.25	0.47	0.59	0.79	e22
18	0.92	0.74	0.88	2.9	1.2	3.4	0.53	0.24	0.42	2.8	0.63	4.7
19	0.56	8.5	0.81	0.65	1.0	1.3	0.53	4.6	e0.51	0.77	0.56	0.92
20	0.62	0.76	0.77	0.58	0.94	1.0	0.51	0.89	e0.54	0.73	0.52	0.70
21	0.63	0.51	0.63	0.54	0.98	0.96	0.54	0.57	e0.46	0.63	13	0.61
22	0.67	0.55	0.62	0.59	0.84	0.85	0.48	0.53	0.47	e10	3.4	0.57
23	0.77	0.52	1.2	0.51	0.82	0.80	0.48	0.40	0.60	e19	0.66	0.57
24	0.52	0.53	1.2	0.49	0.82	0.79	0.47	0.40	0.38	e1.9	0.56	0.55
25	0.46	0.49	0.64	0.58	0.84	0.80	0.45	0.35	2.7	e1.5	0.50	0.51
26	0.58	0.43	0.67	0.72	1.3	0.80	4.2	0.39	5.4	e1.1	0.50	0.50
27	0.60	0.44	0.60	1.2	4.3	0.82	1.8	0.38	0.64	e0.50	0.59	0.75
28	6.6	1.1	0.57	1.7	2.0	0.85	0.58	0.33	5.8	0.72	0.49	6.9
29	10	0.51	0.61	1.9	1.0	0.79	0.50	0.31	4.1	6.8	1.5	0.75
30	0.67	0.46	0.57	1.4	---	0.96	0.60	1.8	0.63	1.0	34	0.58
31	0.58	---	0.54	0.71	---	0.80	---	0.55	---	4.4	1.4	---
TOTAL	45.02	25.67	49.48	27.61	62.90	46.30	32.19	44.22	35.60	69.57	167.82	74.03
MEAN	1.45	0.86	1.60	0.89	2.17	1.49	1.07	1.43	1.19	2.24	5.41	2.47
MAX	10	8.5	13	2.9	9.4	9.6	7.0	15	5.8	19	34	22
MIN	0.46	0.31	0.39	0.49	0.61	0.63	0.45	0.19	0.30	0.27	0.30	0.50
CFSM	1.24	0.73	1.36	0.76	1.85	1.28	0.92	1.22	1.01	1.92	4.63	2.11
IN.	1.43	0.82	1.57	0.88	2.00	1.47	1.02	1.41	1.13	2.21	5.34	2.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	2.07	1.43	1.70	2.71	2.41	2.87	1.80	1.14	2.12	2.91	3.46	4.16
MAX	4.95	2.70	3.29	6.08	5.45	6.58	2.85	1.71	5.96	5.89	8.11	17.8
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(1997)	(2001)	(2003)	(2003)	(1999)
MIN	0.64	0.49	0.98	0.77	1.17	1.49	0.66	0.49	0.71	1.16	0.71	0.82
(WY)	(2001)	(2002)	(2001)	(2001)	(1999)	(2004)	(2002)	(2000)	(1999)	(1999)	(1997)	(2002)

0208735012 ROCKY BRANCH BELOW PULLEN DRIVE AT RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	1,118.10		680.41		2.40	
ANNUAL MEAN	3.06		1.86		3.66	
HIGHEST ANNUAL MEAN					1.52	2002
LOWEST ANNUAL MEAN					119	Jul 24, 1997
HIGHEST DAILY MEAN	101	Aug 8	34	Aug 30	0.00	Oct 6, 1998
LOWEST DAILY MEAN	0.20	Jan 6	0.19	May 15	0.01	Apr 30, 2000
ANNUAL SEVEN-DAY MINIMUM	0.20	Jan 6	0.37	May 23	2,590	Jul 24, 1997
MAXIMUM PEAK FLOW			739	Aug 13	9.23	Jul 24, 1997
MAXIMUM PEAK STAGE			6.86	Aug 13	0.00*	Oct 6, 1998
INSTANTANEOUS LOW FLOW			NOT DETERMINED		2.05	
ANNUAL RUNOFF (CFSM)	2.62		1.59		27.85	
ANNUAL RUNOFF (INCHES)	35.55		21.63		4.7	
10 PERCENT EXCEEDS	6.5		4.2		0.66	
50 PERCENT EXCEEDS	0.95		0.73		0.24	
90 PERCENT EXCEEDS	0.21		0.42			

\* See REMARKS.

e Estimated.

