

0208735012 ROCKY BRANCH BELOW PULLEN DRIVE AT RALEIGH, NC

LOCATION.--Lat 35°46'49", long 78°39'58", 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 mi².

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 Fragmentary records, June 1992 to September 1996, are unpublished and available in the files of the USGS District Office, Raleigh, NC.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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.21	0.95	0.64	15	0.24	4.9	0.21	0.35	0.34	2.0	9.4	2.1
2	0.21	0.96	0.76	1.2	0.22	5.1	0.21	0.22	0.21	28	5.4	1.8
3	0.20	1.1	0.75	3.1	0.21	0.52	0.21	0.21	0.44	3.1	2.3	1.6
4	0.23	1.3	2.7	0.23	3.1	0.33	0.21	0.21	0.41	1.7	1.7	6.1
5	0.21	5.5	20	0.21	0.21	2.3	1.7	0.95	0.21	1.6	9.5	2.5
6	0.20	13	3.1	0.20	5.2	27	0.21	2.0	0.20	1.6	2.7	1.9
7	0.20	1.6	1.1	0.20	9.8	0.67	9.0	0.21	21	1.5	2.2	1.8
8	0.20	0.98	0.77	0.20	0.31	0.28	5.1	0.22	4.0	1.1	101	7.9
9	0.20	0.91	0.73	0.20	0.22	0.24	14	0.21	2.0	1.2	6.8	2.2
10	1.7	1.2	1.3	0.21	5.2	0.22	36	0.21	1.5	1.2	48	2.0
11	90	3.3	4.5	0.20	0.54	0.21	3.0	0.21	1.0	1.8	4.6	1.8
12	1.7	19	1.0	0.20	0.49	0.22	0.87	0.21	2.9	1.1	2.8	1.9
13	0.21	7.5	20	0.20	0.45	1.3	0.40	0.20	0.62	1.2	2.4	2.0
14	0.20	1.6	2.8	0.20	0.63	0.41	0.30	0.20	0.83	6.6	3.8	2.3
15	2.4	0.93	1.3	0.20	1.5	0.21	0.23	1.3	11	1.4	2.5	1.9
16	3.8	3.9	1.3	0.33	e1.2	7.4	0.35	0.29	8.4	2.2	4.3	1.9
17	0.20	8.4	1.2	0.45	e1.5	0.27	0.24	0.20	2.6	1.5	2.3	1.8
18	0.20	2.1	1.0	0.20	e8.0	0.22	0.23	1.7	4.3	8.0	3.1	23
19	0.20	0.87	2.4	0.20	1.9	0.22	0.23	5.1	4.9	3.3	2.5	5.6
20	0.20	0.74	8.3	0.20	0.73	34	0.23	0.21	10	1.1	2.1	2.2
21	16	0.59	1.1	0.21	0.88	1.4	0.43	0.21	1.9	1.0	2.0	2.1
22	4.9	0.50	0.78	0.21	30	0.35	2.4	16	1.4	0.97	3.6	4.9
23	0.80	0.49	0.78	0.35	2.1	0.22	0.22	4.7	1.3	1.7	2.1	7.5
24	0.69	0.49	10	0.23	0.54	0.22	0.21	0.30	1.1	1.5	1.8	2.1
25	0.48	0.49	6.6	0.28	0.31	0.22	5.5	2.4	1.0	0.80	1.9	2.0
26	0.45	0.49	1.6	0.25	1.6	0.21	2.8	0.31	1.1	0.88	1.8	1.9
27	0.34	0.49	1.2	0.21	24	0.21	0.41	0.23	1.8	0.85	1.7	2.0
28	12	0.49	0.96	0.21	2.8	0.21	0.22	0.22	2.3	0.85	1.9	1.7
29	6.9	0.50	0.96	0.71	---	0.70	0.21	2.0	1.2	92	1.7	1.7
30	6.9	0.52	0.91	8.8	---	6.5	0.21	0.23	5.9	8.3	1.4	e2.5
31	1.3	---	1.6	0.94	---	0.30	---	3.1	---	2.4	12	---
TOTAL	153.43	80.89	102.14	35.53	103.88	96.56	85.54	44.11	95.86	182.45	251.3	102.7
MEAN	4.95	2.70	3.29	1.15	3.71	3.11	2.85	1.42	3.20	5.89	8.11	3.42
MAX	90	19	20	15	30	34	36	16	21	92	101	23
MIN	0.20	0.49	0.64	0.20	0.21	0.21	0.21	0.20	0.20	0.80	1.4	1.6
CFSM	4.23	2.30	2.82	0.98	3.17	2.66	2.44	1.22	2.73	5.03	6.93	2.93
IN.	4.88	2.57	3.25	1.13	3.30	3.07	2.72	1.40	3.05	5.80	7.99	3.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	2.16	1.51	1.71	2.97	2.44	3.07	1.90	1.10	2.25	3.01	3.18	4.40
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	1.52	0.66	0.49	0.71	1.16	0.71	0.82
(WY)	(2001)	(2002)	(2001)	(2001)	(1999)	(2000)	(2002)	(2000)	(1999)	(1999)	(1997)	(2002)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	796.75		1,334.39		2.48	
ANNUAL MEAN	2.18		3.66		3.66	
HIGHEST ANNUAL MEAN					1.52	2002
LOWEST ANNUAL MEAN					119	Jul 24, 1997
HIGHEST DAILY MEAN	90	Oct 11	101	Aug 8	0.00	Oct 6, 1998
LOWEST DAILY MEAN	0.02	May 29	0.20	Oct 3	0.01	Apr 30, 2000
ANNUAL SEVEN-DAY MINIMUM	0.14	Aug 4	0.20	Jan 6	2,590	Jul 24, 1997
MAXIMUM PEAK FLOW			2,580	Jul 29	9.23	Jul 24, 1997
MAXIMUM PEAK STAGE			9.22	Jul 29	0.00*	Oct 6, 1998
INSTANTANEOUS LOW FLOW			0.06	Jun 11	2.12	
ANNUAL RUNOFF (CFSM)	1.87		3.12		28.75	
ANNUAL RUNOFF (INCHES)	25.33		42.43		4.8	
10 PERCENT EXCEEDS	4.6		7.9		1.2	
50 PERCENT EXCEEDS	0.60		1.2		0.64	
90 PERCENT EXCEEDS	0.20		0.21		0.23	

e Estimated.
 * See REMARKS.

