

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 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 Fragmentary records, June 1992 to September 1996, are unpublished and available in the files of the USGS District Office, Raleigh, NC.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 sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of record, due to diversion by City of Raleigh.

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	.74	.96	.50	.49	.60	.74	18	.31	40	e.02	.46	1.7
2	.54	.91	.71	.49	.74	.73	1.9	.23	.46	e.02	.38	.44
3	.53	1.1	.49	.49	.74	4.2	1.4	.25	.20	.03	.46	.44
4	.58	.72	.53	.49	1.4	14	1.2	.22	.22	12	.34	.52
5	.66	.18	.50	.49	2.5	1.3	.76	.22	.32	1.3	e.02	.39
6	.54	.18	.51	.49	.75	.88	.75	.22	.50	.02	.04	.22
7	.60	.25	.49	.49	.53	.88	.82	.24	.35	.02	.07	e.02
8	.63	.42	.61	1.2	.45	.74	.85	.32	.34	2.2	.10	e.02
9	.56	.55	.49	.64	.45	.75	.96	.45	.24	6.7	.16	.04
10	.69	.82	.49	.49	.91	.75	.79	.94	.20	2.1	.15	2.5
11	.78	.66	.49	.49	.49	.91	.74	.77	.19	.17	6.1	3.9
12	.79	.73	.52	.49	3.4	1.1	.97	1.4	.19	.19	5.7	1.4
13	.82	.97	.60	.49	1.3	.86	.96	.92	3.1	.22	6.9	1.3
14	.92	5.4	.69	.77	2.2	.75	.96	.56	9.7	.22	2.9	1.3
15	.96	.78	.49	.49	.71	4.9	.96	2.2	4.1	.22	.70	1.4
16	1.0	.81	1.1	.51	.70	.76	.98	4.3	93	.30	.51	1.5
17	.96	1.1	9.8	.50	12	.74	1.2	.36	3.3	.36	.41	1.6
18	.66	.74	.82	.49	.74	.64	.78	.48	.46	.33	1.4	1.3
19	.34	3.5	1.8	1.2	.68	.58	.94	.35	.23	.33	4.6	1.3
20	.38	2.1	1.1	5.3	.75	20	.98	1.2	.20	.24	.77	2.0
21	.42	.79	.96	.59	.77	24	1.2	1.3	3.1	.22	.34	1.4
22	.37	.82	1.1	.49	2.7	2.5	1.1	.65	5.0	.22	.36	1.4
23	.26	.78	.78	.49	.84	1.0	1.0	.44	9.5	.41	.31	1.6
24	.33	.74	.74	.49	.70	.86	4.8	.31	1.3	2.2	2.3	13
25	.62	12	.74	.49	1.6	.74	5.9	.24	.57	.13	.49	2.1
26	.56	.89	.74	.49	.75	.73	.37	2.9	1.1	2.2	.32	1.6
27	.52	.49	.71	.49	.74	.63	.34	.31	.34	30	.34	1.3
28	.62	.49	.49	.49	.63	.51	.32	2.3	.32	.74	.69	1.4
29	.66	.49	.49	.49	---	27	.34	1.2	e.19	1.0	.29	1.1
30	.92	.50	.49	2.4	---	2.0	.40	.32	e.02	1.4	4.8	.82
31	1.0	---	.49	.56	---	14	---	.27	---	.51	2.0	---
TOTAL	19.96	40.87	30.46	23.96	40.77	130.18	52.67	26.18	178.74	66.02	44.41	49.01
MEAN	.64	1.36	.98	.77	1.46	4.20	1.76	.84	5.96	2.13	1.43	1.63
MAX	1.0	12	9.8	5.3	12	27	18	4.3	93	30	6.9	13
MIN	.26	.18	.49	.49	.45	.51	.32	.22	.02	.02	.02	.02
CFSM	.55	1.16	.84	.66	1.24	3.59	1.50	.72	5.09	1.82	1.22	1.40
IN.	.63	1.30	.97	.76	1.30	4.14	1.67	.83	5.68	2.10	1.41	1.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	1.78	1.48	1.47	3.16	2.40
MAX	2.69	2.00	1.85	6.08	5.45
(WY)	2000	1998	1998	1998	1998
MIN	.64	1.13	.98	.77	1.17
(WY)	2001	1999	2001	2001	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1997 - 2001

ANNUAL TOTAL	670.90	703.23	
ANNUAL MEAN	1.83	1.93	2.43
HIGHEST ANNUAL MEAN			3.19 1999
LOWEST ANNUAL MEAN			1.89 1997
HIGHEST DAILY MEAN	39 Jul 15	93 Jun 16	119 Jul 24 1997
LOWEST DAILY MEAN	.01 Apr 26	.02 Jun 30	.00 Oct 6 1998
ANNUAL SEVEN-DAY MINIMUM	.01 Apr 30	.13 Aug 4	.01 Apr 30 2000
MAXIMUM PEAK FLOW		1890 Jun 16	2590 Jul 24 1997
MAXIMUM PEAK STAGE		8.48 Jun 16	9.23 Jul 24 1997
INSTANTANEOUS LOW FLOW		NOT DETERMINED	.00* Jun 8 1997
ANNUAL RUNOFF (CFSM)	1.57	1.65	2.08
ANNUAL RUNOFF (INCHES)	21.33	22.36	28.23
10 PERCENT EXCEEDS	3.7	3.1	3.9
50 PERCENT EXCEEDS	.66	.71	.65
90 PERCENT EXCEEDS	.24	.23	.32

e Estimated.

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