

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 Fragmentary records, June 1992 to September 1996, are unpublished and available in the files of the USGS Water Science Center, Raleigh, NC.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, and many days during the current water year due to stream restoration and bridge construction upstream of gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.58	0.22	0.41	0.26	0.65	1.1	0.75	2.6	0.67	0.48	0.64	0.43
2	0.58	0.21	0.29	0.26	0.59	0.72	2.8	0.74	3.7	0.49	0.44	0.38
3	0.54	0.29	0.29	0.27	4.8	0.58	0.70	0.75	0.81	0.50	0.40	0.15
4	0.55	1.1	0.29	0.28	0.91	0.66	0.64	0.77	0.64	0.51	0.54	0.12
5	0.48	0.30	0.29	0.26	0.66	0.73	0.59	1.2	0.61	2.2	0.57	0.25
6	0.45	0.23	0.35	0.26	0.62	0.59	0.59	6.7	0.61	0.45	0.58	0.31
7	0.45	0.23	0.33	0.25	0.61	0.62	0.61	0.79	18	8.2	0.59	0.29
8	0.67	0.21	0.31	0.26	0.46	18	6.9	0.69	1.5	3.6	0.58	0.19
9	0.52	0.22	0.93	0.25	0.34	1.0	2.1	0.60	e1.4	0.45	19	0.27
10	0.37	0.23	3.1	0.26	0.39	0.84	0.70	0.54	e1.3	0.42	0.73	0.24
11	0.35	0.24	0.33	0.26	0.38	0.93	0.54	e0.55	e1.00	0.45	0.55	0.26
12	0.36	16	0.31	0.24	0.37	0.80	1.8	e0.55	e0.81	0.43	0.44	0.29
13	29	0.69	0.30	0.43	0.38	2.0	7.8	e0.55	e0.60	0.42	0.37	0.35
14	0.90	0.30	0.29	26	0.58	1.9	0.95	0.55	e0.52	0.41	0.39	0.61
15	0.71	0.29	0.27	0.93	0.43	0.76	0.87	0.70	e0.41	0.17	0.45	0.29
16	0.28	0.27	0.28	0.77	0.64	11	0.81	1.0	e0.37	0.00	0.42	0.28
17	0.26	0.26	0.29	0.70	0.44	10	0.80	0.52	e0.37	0.00	1.5	0.25
18	0.28	0.26	0.28	0.62	0.39	1.2	0.77	0.54	e0.45	3.9	0.39	0.13
19	0.33	0.26	0.31	0.62	0.38	0.90	0.76	1.7	0.75	0.51	0.37	0.01
20	0.28	0.25	0.25	0.67	0.64	0.81	0.72	3.7	0.82	2.0	0.34	11
21	0.28	0.26	0.27	0.99	0.63	0.77	0.69	1.1	e0.42	0.40	0.33	0.70
22	0.25	0.29	0.27	1.1	0.39	2.2	0.72	0.59	0.41	7.6	0.29	0.11
23	0.27	4.2	1.3	0.66	0.40	5.9	0.77	0.59	0.31	0.83	0.86	0.12
24	0.32	0.44	0.30	0.61	9.5	0.90	0.98	0.58	0.35	0.41	0.27	0.12
25	0.23	0.34	0.26	0.61	0.71	0.83	1.1	0.59	0.37	0.39	0.32	0.13
26	0.22	0.30	0.45	0.65	0.56	0.80	1.0	0.59	0.44	0.35	0.27	0.15
27	0.23	4.0	0.42	0.64	0.80	0.81	0.94	0.58	0.71	0.40	0.26	0.24
28	0.24	4.7	0.33	0.61	14	13	0.66	0.60	5.0	1.5	0.17	0.11
29	0.24	0.34	0.35	0.75	---	1.0	0.76	0.59	1.7	4.9	0.52	0.11
30	0.24	0.31	0.32	7.1	---	0.69	0.75	0.64	0.54	0.70	0.47	0.40
31	0.23	---	0.28	0.76	---	1.1	---	0.57	---	5.3	0.44	---
TOTAL	40.69	37.24	14.05	48.33	41.65	83.14	40.57	32.76	45.59	48.37	33.49	18.29
MEAN	1.31	1.24	0.45	1.56	1.49	2.68	1.35	1.06	1.52	1.56	1.08	0.61
MAX	29	16	3.1	26	14	18	7.8	6.7	18	8.2	19	11
MIN	0.22	0.21	0.25	0.24	0.34	0.58	0.54	0.52	0.31	0.00	0.17	0.01
CFSM	1.12	1.06	0.39	1.33	1.27	2.29	1.16	0.90	1.30	1.33	0.92	0.52
IN.	1.29	1.18	0.45	1.54	1.32	2.64	1.29	1.04	1.45	1.54	1.06	0.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	1.99	1.41	1.56	2.58	2.31	2.85	1.75	1.13	2.05	2.76	3.20	3.77
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	0.45	0.77	1.17	1.49	0.66	0.49	0.71	1.16	0.71	0.61
(WY)	(2001)	(2002)	(2005)	(2001)	(1999)	(2004)	(2002)	(2000)	(1999)	(1999)	(1997)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	652.22		484.17		2.28	
ANNUAL MEAN	1.78		1.33		3.66	
HIGHEST ANNUAL MEAN					1.33	
LOWEST ANNUAL MEAN					2005	
HIGHEST DAILY MEAN	34	Aug 30	29	Oct 13	119	Jul 24, 1997
LOWEST DAILY MEAN	0.19	May 15	0.00	Jul 16	0.00	Oct 6, 1998
ANNUAL SEVEN-DAY MINIMUM	0.23	Oct 27	0.14	Sep 22	0.01	Apr 30, 2000
MAXIMUM PEAK FLOW			602	Jan 14	2,590	Jul 24, 1997
MAXIMUM PEAK STAGE			6.60	Jan 14	9.23	Jul 24, 1997
INSTANTANEOUS LOW FLOW			0.00*	Jul 15	0.00*	Oct 6, 1998
ANNUAL RUNOFF (CFSM)	1.52		1.13		1.95	
ANNUAL RUNOFF (INCHES)	20.74		15.39		26.47	
10 PERCENT EXCEEDS	4.1		2.0		4.3	
50 PERCENT EXCEEDS	0.65		0.54		0.64	
90 PERCENT EXCEEDS	0.28		0.25		0.24	

* See REMARKS.

e Estimated.

