

NEUSE RIVER BASIN

0208732534 PIGEON HOUSE CREEK AT CAMERON VILLAGE AT RALEIGH, NC

LOCATION.--Lat 35°47'14", long 78°39'17", Wake County, Hydrologic Unit 03020201, on right bank, downstream of Cameron Village in Wells Park, on the upstream side of Forest Drive.

DRAINAGE AREA.--0.27 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year. Fragmentary records, July 1987 to September 1996, are available in the U.S.G.S. District Office, Raleigh, NC.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 320 ft above sea level from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge occurred on many days.

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	.04	.03	.07	.02	.02	.03	2.5	.04	4.0	.02	.02	.10
2	.04	.03	.18	.02	.02	.03	.23	.04	.11	.02	.02	.02
3	.04	.03	.08	.02	.02	.50	.20	.04	.04	.02	.02	.02
4	.04	.04	.07	.02	.08	1.9	.10	.03	.04	2.8	.02	.02
5	.04	.08	.08	.02	.15	.12	.09	.04	.25	.09	.01	.02
6	.03	.04	.06	.02	.02	.04	.09	.03	.08	.02	.01	.01
7	.04	.04	.06	.02	.02	.04	.08	.03	.10	.02	.07	.01
8	.04	.05	.05	.10	.02	.04	.06	.03	.03	.25	.01	.01
9	.04	.08	.05	.02	.02	.04	.06	.03	.06	.69	.01	.01
10	.03	e.04	.06	.02	.05	.04	.05	.09	.13	.07	.01	.03
11	.04	e.03	.07	.02	.02	.04	.05	.03	.09	.02	1.1	.02
12	.04	e.03	.06	.02	.23	.08	.05	.13	.03	.02	.65	.01
13	.03	e.07	.05	.02	.05	.06	.05	.04	.32	.02	1.0	.01
14	.03	1.3	.10	.03	.16	.03	.05	.03	2.8	.01	.09	.01
15	.03	.03	.05	.02	.02	.66	.05	.93	.79	.01	.02	.01
16	.03	.03	.28	.02	.05	.05	.05	.27	13	.01	.02	.01
17	.03	.15	1.9	.02	1.7	.05	.10	.05	.11	.02	.01	.01
18	.04	.03	.02	.02	.04	.05	.04	.05	.02	.02	.09	.01
19	.03	.67	.12	.10	.05	.05	.04	.03	.01	.02	.47	.01
20	.03	.41	.02	.59	.04	3.3	.04	.12	.01	.01	.02	.07
21	.03	e.04	.02	e.08	.03	2.9	.04	.13	.11	.01	.02	.01
22	.03	e.03	.03	e.02	.33	.20	.04	.06	e.02	.02	.01	.01
23	.03	e.03	.02	e.02	.05	.06	.04	.04	e.02	.02	.01	.01
24	.03	e.14	.02	e.02	.04	.05	1.5	.05	e.02	.10	.16	2.4
25	.04	e5.3	.02	e.02	.20	.04	1.4	.04	e.02	.02	.01	.03
26	.03	e.08	.02	e.02	.04	.04	.05	.97	e.02	.41	.01	.01
27	e.03	e.05	.02	e.02	.03	.04	.04	.03	.02	6.9	.01	.01
28	e.03	e.05	.02	e.02	.03	.04	.04	.63	.02	.02	.03	.01
29	e.03	.07	.02	e.02	---	4.2	.04	.18	.02	.05	.01	.01
30	e.04	.06	.02	.29	---	.16	.04	.03	.02	.11	1.2	.01
31	e.03	---	.02	.02	---	2.1	---	.18	---	.02	.10	---
TOTAL	1.06	9.06	3.66	1.69	3.53	16.98	7.21	4.42	22.31	11.84	5.24	2.93
MEAN	.034	.30	.12	.055	.13	.55	.24	.14	.74	.38	.17	.098
MAX	.04	5.3	1.9	.59	1.7	4.2	2.5	.97	13	6.9	1.2	2.4
MIN	.03	.03	.02	.02	.02	.03	.04	.03	.01	.01	.01	.01
CFSM	.13	1.12	.44	.20	.47	2.03	.89	.53	2.75	1.41	.63	.36
IN.	.15	1.25	.50	.23	.49	2.34	.99	.61	3.07	1.63	.72	.40

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

	1997	1998	1999	2000	2001
MEAN	.29	.36	.35	.71	.50
MAX	.46	.46	.51	1.32	1.02
(WY) 2000	1998	1998	1998	1998	1998
MIN	.034	.21	.12	.055	.13
(WY) 2001	2000	2000	2001	2001	2000

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

ANNUAL TOTAL	142.30	89.93	
ANNUAL MEAN	.39	.25	.49
HIGHEST ANNUAL MEAN			.69
LOWEST ANNUAL MEAN			.25
HIGHEST DAILY MEAN	8.0 Jul 15	13 Jun 16	15 Aug 31 1997
LOWEST DAILY MEAN	.02 Dec 18	.01 Jun 19	.01 Jun 19 2001
ANNUAL SEVEN-DAY MINIMUM	.02 Dec 23	.01 Sep 12	.01 Sep 12 2001
MAXIMUM PEAK FLOW		189 Jun 16	622 Aug 21 1999
MAXIMUM PEAK STAGE		4.69 Jun 16	8.23 Aug 21 1999
INSTANTANEOUS LOW FLOW		.01* Dec 19	.01 Nov 8 1997
ANNUAL RUNOFF (CFSM)	1.44	.91	1.82
ANNUAL RUNOFF (INCHES)	19.61	12.39	24.77
10 PERCENT EXCEEDS	.87	.30	1.0
50 PERCENT EXCEEDS	.12	.04	.12
90 PERCENT EXCEEDS	.03	.01	.03

e Estimated.  
\* See REMARKS.

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