



Water-Data Report 2010

0208732534 PIGEON HOUSE CREEK AT CAMERON VILLAGE AT RALEIGH, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°47'15", long 78°39'17" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, on right bank, downstream of Cameron Village Shopping Center in Wells Park, on the upstream side of Forest Drive.

DRAINAGE AREA.--0.29 mi² of which 0.02 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1996 to current year. Fragmentary records, July 1987 to September 1996, are available from the USGS Water Science Center, Raleigh, NC.

REVISED RECORDS.--WDR 2009-US-NC: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 304.44 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--Records poor. No flow occurs at times some years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.02	1.6	0.05	0.07	0.28	0.03	0.08	0.06	2.7	0.02	0.60	0.04
2	0.02	0.03	7.0	0.05	0.44	0.27	0.06	0.06	0.87	0.02	0.07	0.04
3	0.02	0.03	0.62	0.07	0.40	0.31	0.07	0.11	0.05	0.02	0.07	0.04
4	0.02	0.02	0.09	0.06	0.04	0.03	0.06	0.07	0.04	0.02	0.09	0.04
5	0.18	0.02	1.0	0.07	7.0	0.03	0.06	0.05	0.03	0.02	6.1	0.04
6	0.09	0.02	0.09	0.06	0.34	0.03	0.07	0.05	0.35	0.02	0.15	0.04
7	0.02	0.02	0.08	0.06	0.09	0.03	0.06	0.05	0.06	0.02	0.06	0.04
8	0.02	0.02	1.1	0.09	0.05	0.03	0.36	0.04	0.03	0.02	0.05	0.04
9	e0.03	0.03	3.4	0.12	0.85	0.03	1.9	0.04	0.03	0.02	0.04	0.04
10	e0.02	3.0	0.13	0.06	0.10	0.11	0.07	0.06	0.03	0.24	0.03	0.04
11	e0.13	11	0.10	0.04	0.05	1.8	0.06	0.04	0.03	0.02	0.17	0.06
12	e0.20	0.99	0.07	0.04	0.04	0.16	0.07	0.04	0.03	0.02	0.42	0.09
13	e0.03	0.23	0.56	0.04	0.19	1.8	0.06	0.05	0.76	0.02	0.05	0.04
14	0.52	0.04	0.08	0.04	0.03	0.17	0.06	0.04	0.03	0.02	0.05	0.04
15	0.06	0.04	0.10	0.04	0.03	0.06	0.07	0.04	0.03	0.02	0.04	0.04
16	0.02	0.03	0.05	0.04	0.03	0.06	0.06	2.1	0.03	2.7	0.03	0.04
17	0.02	0.03	0.05	4.3	0.03	0.06	0.06	2.7	0.03	0.89	0.03	0.04
18	0.02	0.83	0.79	0.12	0.03	0.06	0.06	2.3	0.02	0.04	0.51	0.04
19	0.02	0.19	1.8	0.06	0.03	0.05	0.06	2.6	0.02	0.02	0.36	0.11
20	0.02	0.04	0.08	0.05	0.03	0.05	0.06	0.08	0.02	0.02	0.94	0.04
21	0.02	0.03	0.09	2.6	0.03	0.05	0.45	0.06	0.02	0.02	0.04	0.03
22	0.02	0.35	0.06	0.30	0.47	0.07	0.07	1.2	0.02	0.02	e0.03	0.03
23	0.02	0.93	0.06	0.07	0.03	0.06	0.06	2.2	0.98	0.02	e1.5	0.03
24	0.09	0.04	0.05	0.28	0.10	0.06	0.12	0.11	0.04	0.02	3.8	0.04
25	0.02	0.04	2.1	4.0	0.04	0.06	1.2	0.09	e0.02	0.02	0.15	0.03
26	0.09	0.03	0.10	0.05	0.03	0.11	0.08	0.05	0.02	0.02	0.06	5.4
27	0.06	0.04	0.06	0.03	0.03	0.07	0.07	0.05	0.02	0.75	0.05	3.9
28	0.38	0.03	0.06	0.03	0.03	0.09	0.06	3.3	0.02	0.03	0.05	0.19
29	0.02	0.03	0.06	0.05	---	3.4	0.07	0.81	0.03	e4.0	0.05	5.5
30	0.02	0.60	0.09	0.08	---	0.11	0.07	0.05	0.08	0.41	0.05	6.6
31	0.06	---	0.92	0.11	---	0.09	---	0.03	---	0.08	0.05	---
Total	2.28	20.33	20.89	13.08	10.84	9.34	5.66	18.53	6.44	9.58	15.69	22.69
Mean	0.07	0.68	0.67	0.42	0.39	0.30	0.19	0.60	0.21	0.31	0.51	0.76
Max	0.52	11	7.0	4.3	7.0	3.4	1.9	3.3	2.7	4.0	6.1	6.6
Min	0.02	0.02	0.05	0.03	0.03	0.03	0.06	0.03	0.02	0.02	0.03	0.03
Cfsm	0.27	2.51	2.50	1.56	1.43	1.12	0.70	2.21	0.80	1.14	1.87	2.80
In.	0.31	2.80	2.88	1.80	1.49	1.29	0.78	2.55	0.89	1.32	2.16	3.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2010, BY WATER YEAR (WY)

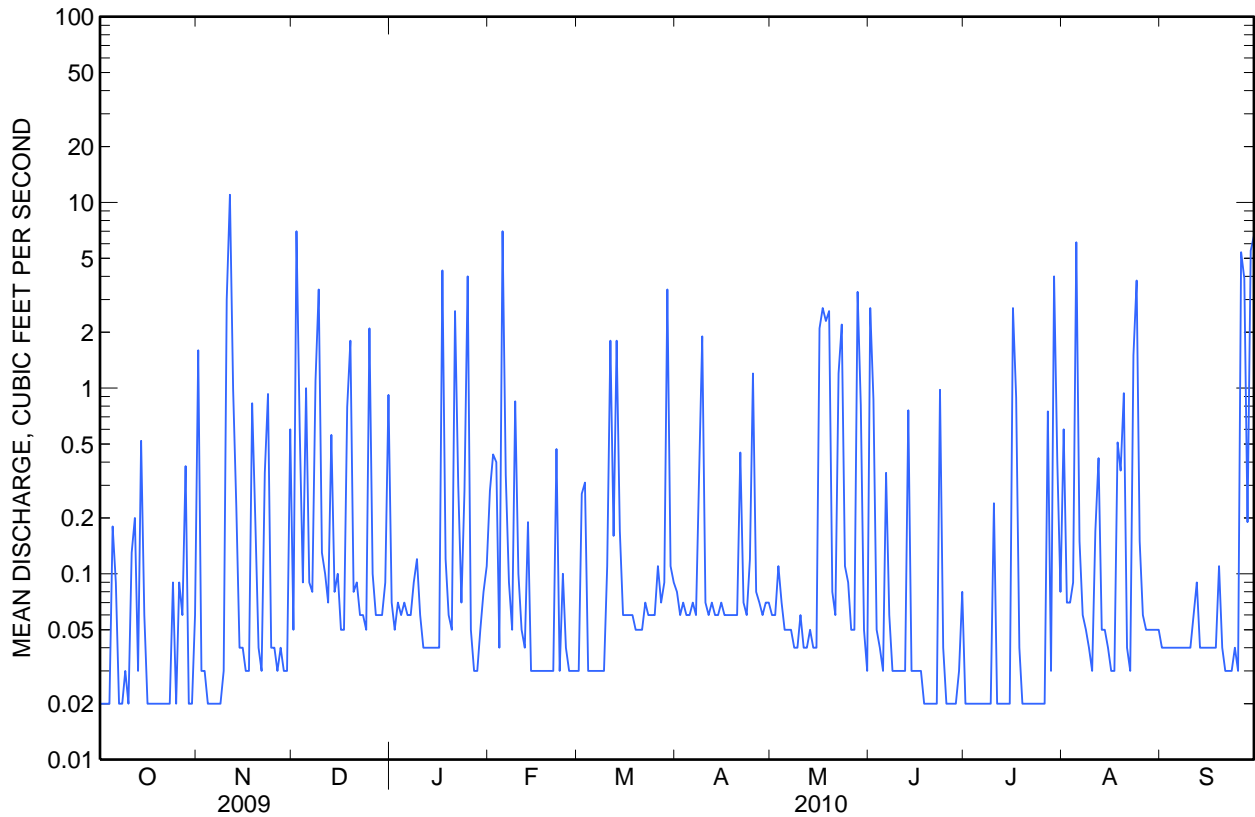
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.33	0.38	0.41	0.45	0.42	0.53	0.36	0.33	0.43	0.43	0.44	0.52
Max	0.81	1.08	0.74	1.32	1.02	1.31	0.72	0.60	1.12	0.91	0.85	2.78
(WY)	(2003)	(2007)	(2003)	(1998)	(1998)	(1998)	(2008)	(1997)	(2006)	(2003)	(2003)	(1999)
Min	0.03	0.04	0.12	0.05	0.11	0.12	0.05	0.05	0.18	0.21	0.17	0.08
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(2006)	(2002)	(2002)	(1999)	(1999)	(2001)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1997 - 2010	
Annual total	155.69		155.35			
Annual mean	0.43		0.43		0.42	
Highest annual mean					0.69	1998
Lowest annual mean					0.20	2002
Highest daily mean	11	Jun 16	11	Nov 11	22	Jun 14, 2006
Lowest daily mean	0.01	Aug 27	0.02	Oct 1	0.00	Jun 24, 2002
Annual seven-day minimum	0.02	Sep 9	0.02	Oct 16	0.00	Aug 5, 2002
Maximum peak stage			6.70	Jul 29	8.65	May 12, 2007
Maximum peak flow			Not Determined		Not Determined	
Instantaneous low flow			^a 0.00	Jun 25	^a 0.00	Jun 24, 2002
Annual runoff (cfsm)	1.58		1.58		1.55	
Annual runoff (inches)	21.45		21.40		21.05	
10 percent exceeds	1.1		0.98		0.95	
50 percent exceeds	0.06		0.06		0.09	
90 percent exceeds	0.02		0.02		0.02	

^a See Remarks



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CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--July 1987 to current year. Records from July 1987 to January 2000 are unpublished and available from the USGS Water Science Center, Raleigh, NC.

INSTRUMENTATION.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.55	0.00	0.00	---	0.00	0.00	0.00	0.93	0.00	0.20	0.00
2	0.00	0.00	2.10	0.00	---	0.22	0.00	0.00	0.20	0.00	0.00	0.00
3	0.00	0.00	0.01	0.00	---	0.23	0.00	0.05	0.00	0.00	0.00	0.00
4	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.15	0.00	0.37	0.00	1.90	0.00	0.00	0.00	0.00	0.00	1.69	0.00
6	0.09	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.00	0.01	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
8	0.00	0.00	0.50	0.04	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.76	0.00	0.33	0.00	0.55	0.00	0.00	0.00	0.00	0.00
10	0.00	1.22	0.00	0.00	0.02	0.16	0.00	0.00	0.00	0.09	0.00	0.00
11	0.10	3.13	0.00	0.00	---	0.48	0.00	0.00	0.00	0.00	0.09	0.03
12	0.16	0.26	0.00	0.00	---	0.04	0.00	0.00	0.00	0.00	0.11	0.02
13	0.01	0.05	0.27	0.00	---	0.59	0.00	0.00	0.29	0.00	0.00	0.00
14	0.24	0.00	0.00	0.00	0.01	0.10	0.00	0.00	0.00	0.01	0.00	0.00
15	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.74	0.00	0.80	0.00	0.00
17	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.98	0.00	0.35	0.00	0.00
18	0.00	0.29	0.39	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.13	0.00
19	0.00	0.08	0.48	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.17	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00
21	0.00	0.00	0.00	0.87	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00
22	0.00	0.15	0.00	0.02	0.26	0.04	0.00	0.40	0.00	0.00	0.01	0.00
23	0.00	0.37	0.00	0.00	0.00	0.02	0.00	0.65	0.35	0.00	0.67	0.00
24	0.08	0.01	0.00	0.08	0.10	0.00	0.07	0.03	0.00	0.00	1.26	0.00
25	0.00	0.00	0.67	1.11	0.00	0.00	0.50	0.03	0.00	0.00	0.01	0.00
26	0.08	0.01	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	1.95
27	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	1.19
28	0.17	0.00	0.00	0.00	0.00	0.07	0.00	1.43	0.00	0.00	0.00	0.06
29	0.00	0.00	0.00	---	---	1.17	0.00	0.11	0.07	1.70	0.00	1.93
30	0.00	0.21	0.07	---	---	0.00	0.00	0.00	0.06	0.01	0.00	1.67
31	0.06	---	0.31	---	---	0.00	---	0.00	---	0.03	0.00	---
Total	1.25	6.36	5.95	---	---	3.17	1.60	5.92	2.10	3.34	4.53	6.85

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