

Water-Data Report 2008

02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°48'57", long 78°37'34" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, on right bank on upstream side of bridge at Old Wake Forest Road, 2.8 mi northeast of Raleigh.

DRAINAGE AREA.--119 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.-- June 1997 to current year. February 1988 to September 1989, daily discharges, October 1989 to October 1991, discharge measurements and unpublished, fragmentary gage-height and discharge records.

GAGE.--Water-stage recorder. Datum of gage is 185.69 ft above North American Vertical Datum of 1988. Satellite and telephone telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.93 ft, September 16, 1999; minimum gage height, 1.15 ft, August 7, 10, 2008.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1996 reached a stage of 21.6 ft, from floodmarks.

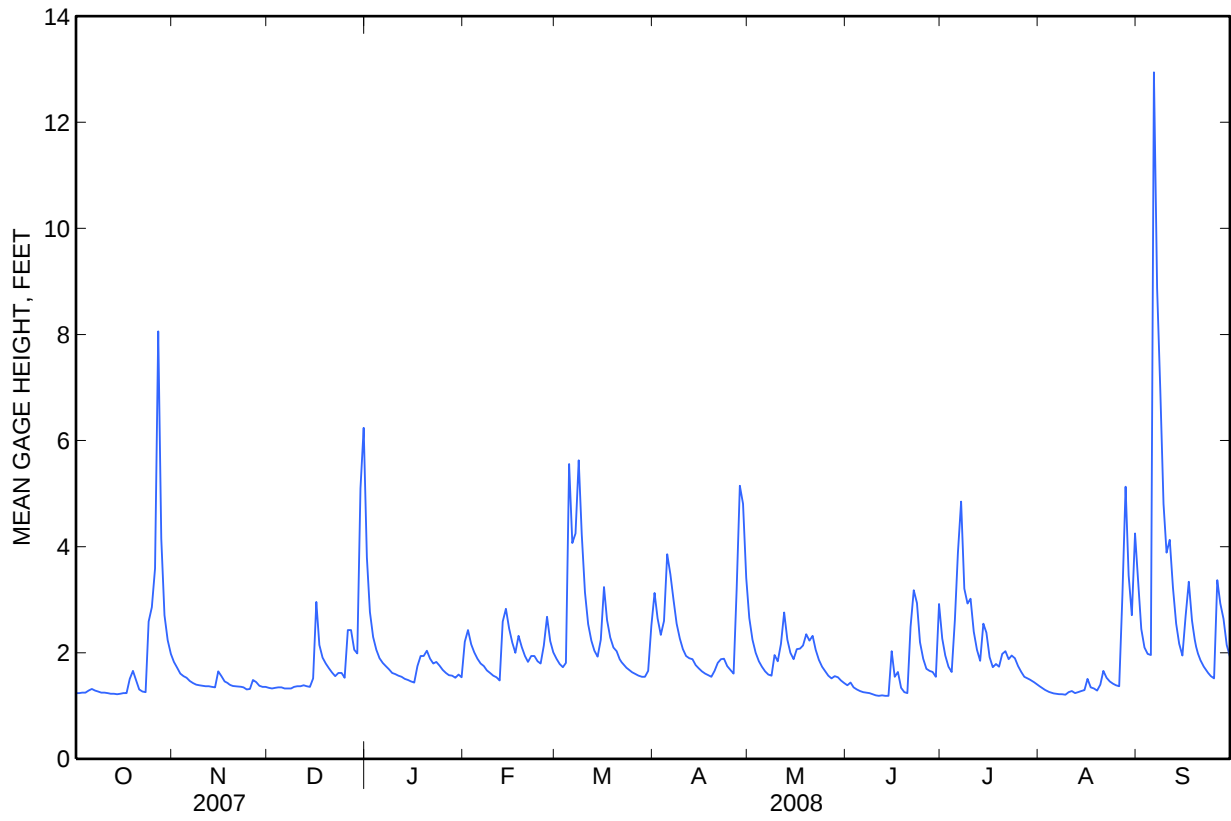
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.82 ft, September 6; minimum gage height, 1.15 ft, August 7, 10.

02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.24	1.83	1.34	3.80	2.21	1.89	3.13	2.66	1.39	2.27	1.36	3.32
2	1.24	1.72	1.33	2.77	2.43	1.79	2.65	2.25	1.44	1.95	1.32	2.45
3	1.25	1.61	1.34	2.30	2.16	1.73	2.34	2.00	1.35	1.74	1.29	2.10
4	1.25	1.56	1.35	2.06	2.01	1.81	2.60	1.84	1.31	1.64	1.26	1.98
5	1.29	1.53	1.35	1.90	1.89	5.56	3.86	1.74	1.28	2.62	1.24	1.96
6	1.32	1.47	1.33	1.81	1.80	4.07	3.48	1.65	1.26	3.89	1.23	12.94
7	1.29	1.43	1.33	1.75	1.75	4.25	3.01	1.59	1.25	4.85	1.22	8.87
8	1.27	1.40	1.33	1.69	1.67	5.63	2.55	1.57	1.24	3.21	1.22	6.94
9	1.25	1.39	1.36	1.62	1.62	4.23	2.27	1.96	1.22	2.93	1.21	4.81
10	1.25	1.38	1.37	1.60	1.57	3.14	2.07	1.84	1.20	3.02	1.26	3.89
11	1.24	1.37	1.37	1.57	1.54	2.54	1.94	2.17	1.19	2.40	1.28	4.13
12	1.23	1.37	1.39	1.55	1.48	2.23	1.90	2.76	1.20	2.06	1.24	3.23
13	1.23	1.36	1.37	1.51	2.59	2.04	1.88	2.25	1.19	1.85	1.26	2.55
14	1.22	1.35	1.36	1.49	2.83	1.93	1.77	2.00	1.19	2.55	1.28	2.17
15	1.23	1.65	1.52	1.46	2.46	2.25	1.71	1.88	2.03	2.38	1.30	1.95
16	1.24	1.56	2.96	1.44	2.19	3.24	1.65	2.07	1.55	1.92	1.51	2.69
17	1.24	1.46	2.15	1.75	2.00	2.62	1.61	2.08	1.64	1.73	1.35	3.34
18	1.51	1.43	1.91	1.94	2.32	2.29	1.58	2.14	1.34	1.79	1.33	2.61
19	1.66	1.39	1.80	1.94	2.11	2.10	1.55	2.35	1.26	1.74	1.29	2.22
20	1.49	1.37	1.71	2.04	1.94	2.03	1.66	2.23	1.24	1.98	1.40	1.97
21	1.31	1.37	1.63	1.89	1.83	1.88	1.81	2.32	2.49	2.03	1.66	1.82
22	1.27	1.36	1.56	1.80	1.94	1.80	1.88	2.06	3.18	1.88	1.53	1.72
23	1.26	1.35	1.62	1.83	1.94	1.72	1.89	1.87	2.94	1.95	1.46	1.63
24	2.59	1.31	1.62	1.76	1.84	1.68	1.75	1.74	2.20	1.90	1.42	1.56
25	2.86	1.32	1.53	1.68	1.80	1.63	1.68	1.65	1.89	1.75	1.39	1.52
26	3.59	1.49	2.43	1.62	2.14	1.60	1.61	1.57	1.70	1.64	1.37	3.37
27	8.06	1.45	2.43	1.58	2.68	1.57	3.19	1.52	1.66	1.55	3.08	2.93
28	4.15	1.38	2.06	1.57	2.22	1.55	5.15	1.56	1.64	1.52	5.13	2.64
29	2.71	1.36	1.99	1.53	2.01	1.55	4.81	1.54	1.55	1.49	3.46	2.15
30	2.24	1.36	5.10	1.59	---	1.66	3.41	1.48	2.92	1.45	2.71	1.93
31	1.98	---	6.24	1.54	---	2.51	---	1.43	---	1.41	4.25	---
Mean	1.87	1.45	1.91	1.82	2.03	2.47	2.41	1.93	1.63	2.16	1.72	3.25
Max	8.06	1.83	6.24	3.80	2.83	5.63	5.15	2.76	3.18	4.85	5.13	12.94
Min	1.22	1.31	1.33	1.44	1.48	1.55	1.55	1.43	1.19	1.41	1.21	1.52

02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC—Continued



02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC—Continued**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--December 2007 to September 2008.

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

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	0.01	0.56	0.00	0.02	0.00	0.00	0.00	0.00	0.00
2	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	---	---	---	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00
4	---	---	---	0.00	0.00	0.77	0.51	0.00	0.00	0.32	0.00	0.00
5	---	---	---	0.00	0.00	0.01	0.68	0.01	0.00	0.11	0.00	0.59
6	---	---	---	0.00	0.00	0.00	0.07	0.00	0.00	0.79	0.00	3.28
7	---	---	---	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	0.00	0.00	0.08	0.00	0.08	0.00	0.02	0.00	0.00
9	---	---	---	0.00	0.00	0.00	0.00	0.35	0.00	0.80	0.00	0.00
10	---	---	---	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.12	0.62
11	---	---	---	0.00	0.00	0.00	0.00	0.85	0.00	0.05	0.00	0.00
12	---	---	---	0.00	0.03	0.00	0.06	0.02	0.00	0.00	0.00	0.01
13	---	---	---	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.18	0.00
14	---	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.91	0.01	0.00
15	---	---	---	0.00	0.00	0.82	0.00	0.24	0.59	0.00	0.17	0.00
16	---	---	---	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.01	0.91
17	---	---	---	0.47	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00
18	---	---	---	0.00	0.44	0.00	0.00	0.66	0.00	0.18	0.00	0.01
19	---	---	---	0.32	0.00	0.09	0.00	0.00	0.00	0.01	0.00	0.00
20	---	---	---	0.04	0.00	0.00	0.28	0.34	0.00	0.00	0.57	0.00
21	---	---	0.00	0.00	0.02	0.00	0.02	0.00	0.25	0.00	0.00	0.00
22	---	---	0.00	0.10	0.23	0.00	0.39	0.00	0.13	0.34	0.00	0.01
23	---	---	0.19	0.00	0.00	0.00	0.00	0.00	0.16	0.17	0.00	0.00
24	---	---	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.25
26	---	---	0.88	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.13	1.10
27	---	---	0.00	0.00	0.00	0.00	2.90	0.00	0.11	0.00	1.49	0.26
28	---	---	0.01	0.00	0.00	0.00	0.76	0.25	0.01	0.01	0.26	0.00
29	---	---	0.03	0.00	0.00	0.06	0.01	0.00	0.80	0.00	0.01	0.00
30	---	---	1.90	0.11	---	0.37	0.00	0.00	0.32	0.00	0.39	0.01
31	---	---	0.00	0.00	---	0.95	---	0.00	---	0.00	0.22	---
Total	---	---	---	1.05	2.93	4.40	5.95	3.08	2.97	3.76	3.56	7.05

02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC—Continued

