

Water-Data Report 2007

02146449 BRIAR CREEK AT PROVIDENCE ROAD AT CHARLOTTE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°10'57", long 80°49'12" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank upstream of culvert on North Carolina Highway 16, 2.75 mi south of city hall in Charlotte.

DRAINAGE AREA.--17.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2004 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 607.52 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.98 ft, August 15, 2006; minimum gage height, 0.82 ft, September 28, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.82 ft, March 2; minimum gage height, 0.82 ft, September 28.

02146449 BRIAR CREEK AT PROVIDENCE ROAD AT CHARLOTTE, NC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.11	1.18	1.60	2.04	1.97	3.28	1.41	1.34	1.18	1.37	1.06	1.08
2	1.10	1.17	1.39	1.49	1.64	5.21	1.41	1.34	1.18	1.16	1.04	1.14
3	1.10	1.16	1.34	1.41	1.43	1.75	1.35	1.33	1.68	1.12	1.02	0.99
4	1.09	1.16	1.31	1.40	1.38	1.62	1.34	1.34	1.25	1.11	1.01	0.93
5	1.10	1.17	1.31	2.47	1.38	1.57	1.33	1.42	1.20	1.10	1.00	0.91
6	1.16	1.17	1.30	1.79	1.35	1.54	1.33	1.38	1.19	1.19	1.09	0.92
7	1.11	1.92	1.29	2.06	1.36	1.53	1.33	1.31	1.18	2.14	1.08	0.90
8	1.93	1.85	1.28	2.87	1.35	1.52	1.32	1.33	1.18	1.34	1.00	0.89
9	1.23	1.32	1.28	1.63	1.34	1.50	1.32	1.56	1.16	1.29	0.99	0.89
10	1.14	1.26	1.30	1.50	1.35	1.49	1.33	1.36	1.15	1.22	0.96	0.88
11	1.12	1.53	1.28	1.44	1.37	1.48	1.53	1.30	1.21	1.29	0.95	0.87
12	1.24	2.43	1.28	1.42	1.38	1.48	1.90	1.34	1.48	1.33	0.96	0.87
13	1.11	1.39	1.30	1.41	2.23	1.47	1.38	1.34	1.60	1.12	0.94	0.87
14	1.08	1.32	1.32	1.39	2.20	1.47	1.43	1.28	1.86	1.10	0.93	1.54
15	1.08	1.35	1.32	1.38	1.52	1.46	3.28	1.27	1.44	1.32	0.93	1.54
16	1.08	4.31	1.29	1.37	1.47	1.81	1.58	1.27	1.24	1.32	0.93	0.99
17	3.30	1.54	1.29	1.35	1.43	1.47	1.43	1.27	1.20	1.12	0.94	0.94
18	1.68	1.39	1.31	1.52	1.41	1.43	1.40	1.26	1.19	1.53	0.93	0.93
19	1.27	1.34	1.30	1.44	1.38	1.43	1.64	1.25	1.18	1.11	0.93	0.92
20	1.21	1.31	1.29	1.41	1.37	1.42	1.67	1.25	1.18	1.08	0.92	0.90
21	1.18	3.17	1.31	1.81	1.37	1.41	1.41	1.25	1.17	1.06	0.97	0.91
22	1.18	7.14	2.51	1.95	1.37	1.41	1.38	1.25	1.16	1.05	1.02	0.92
23	1.16	1.84	1.57	1.46	1.36	1.40	1.37	1.25	1.14	1.04	1.52	0.92
24	1.14	1.54	1.41	1.41	1.35	1.39	1.36	1.23	1.26	1.04	1.33	0.90
25	1.14	1.46	2.92	1.40	2.18	1.39	1.35	1.23	2.44	1.04	0.99	0.88
26	1.15	1.43	1.68	1.38	1.53	1.37	1.36	1.22	1.55	1.04	1.12	0.87
27	1.67	1.40	1.50	1.37	1.43	1.37	1.73	1.22	1.33	1.69	1.29	0.86
28	2.02	1.38	1.42	1.36	1.40	1.39	1.36	1.21	1.16	1.55	0.99	0.85
29	1.28	1.37	1.40	1.35	---	1.43	1.34	1.21	1.13	1.48	0.95	0.84
30	1.22	1.45	1.39	1.34	---	1.36	1.34	1.20	1.58	1.33	0.95	0.85
31	1.20	---	1.57	1.33	---	1.36	---	1.19	---	1.14	1.54	---
Mean	1.31	1.78	1.45	1.58	1.51	1.65	1.49	1.29	1.33	1.25	1.04	0.96
Max	3.30	7.14	2.92	2.87	2.23	5.21	3.28	1.56	2.44	2.14	1.54	1.54
Min	1.08	1.16	1.28	1.33	1.34	1.36	1.32	1.19	1.13	1.04	0.92	0.84

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