

Water-Data Report 2010

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 fair. Minimum gage height for period of record and current water year affected by construction.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.39 ft, August 27, 2008; minimum gage height, 0.54 ft, July 22, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.65 ft, January 25; minimum gage height, 0.91 ft, September 25, 26.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 1.04 | 2.76 | 1.33 | 1.34 | 1.52 | 1.33 | 1.30 | 1.23 | 4.97 | 1.29 | 1.50 | 1.06 |
| 2 | 1.04 | 1.30 | 2.82 | 1.29 | 2.42 | 1.54 | 1.32 | 1.23 | 2.53 | 1.14 | 1.19 | 1.07 |
| 3 | 1.05 | 1.18 | 1.82 | 1.28 | 1.83 | 1.68 | 1.27 | 1.40 | 1.55 | 1.10 | 1.21 | 1.05 |
| 4 | 1.01 | 1.15 | 1.38 | 1.27 | 1.50 | 1.47 | 1.28 | 1.29 | 1.35 | 1.07 | 1.15 | 1.04 |
| 5 | 1.55 | 1.08 | 1.36 | 1.26 | 5.82 | 1.36 | 1.28 | 1.25 | 1.31 | 1.06 | 1.76 | 1.03 |
| 6 | 1.14 | 1.08 | 1.27 | 1.27 | 2.29 | 1.38 | 1.23 | 1.24 | 1.29 | 1.04 | 1.60 | 1.03 |
| 7 | 1.07 | 1.07 | 1.26 | 1.27 | 1.60 | 1.42 | 1.21 | 1.24 | 1.35 | 1.03 | 1.69 | 1.02 |
| 8 | 1.05 | 1.08 | 1.84 | 1.29 | 1.56 | 1.40 | 1.38 | 1.23 | 1.21 | 1.02 | 1.15 | 1.02 |
| 9 | 1.04 | 1.06 | 3.46 | 1.26 | 1.60 | 1.40 | 1.35 | 1.22 | 1.19 | 1.02 | 1.12 | 1.02 |
| 10 | 1.03 | 2.34 | 1.52 | 1.23 | 1.53 | 1.43 | 1.19 | 1.22 | 1.42 | 1.01 | 1.10 | 1.00 |
| 11 | 1.02 | 5.57 | 1.36 | 1.22 | 1.47 | 1.56 | 1.19 | 1.36 | 1.30 | 1.10 | 1.10 | 1.07 |
| 12 | 1.18 | 2.77 | 1.29 | 1.23 | 1.46 | 2.37 | 1.27 | 1.25 | 1.24 | 3.70 | 1.09 | 1.04 |
| 13 | 1.18 | 1.54 | 1.59 | 1.24 | 1.64 | 2.46 | 1.26 | 1.22 | 2.35 | 1.53 | 1.09 | 0.99 |
| 14 | 1.27 | 1.35 | 1.34 | 1.24 | 1.45 | 1.81 | 1.25 | 1.22 | 1.67 | 1.28 | 1.13 | 0.98 |
| 15 | 1.31 | 1.27 | 1.29 | 1.24 | 1.68 | 1.46 | 1.27 | 1.20 | 1.97 | 1.21 | 1.35 | 0.97 |
| 16 | 1.21 | 1.19 | 1.25 | 1.26 | 1.37 | 1.39 | 1.27 | 1.22 | 1.46 | 1.19 | 1.10 | 0.97 |
| 17 | 1.22 | 1.17 | 1.23 | 3.30 | 1.32 | 1.35 | 1.26 | 2.14 | 1.30 | 1.37 | 1.06 | 0.97 |
| 18 | 1.13 | 1.22 | 2.00 | 1.49 | 1.33 | 1.37 | 1.26 | 1.42 | 1.26 | 1.22 | 1.05 | 0.96 |
| 19 | 1.05 | 1.20 | 2.08 | 1.39 | 1.28 | 1.31 | 1.26 | 1.18 | 1.27 | 1.13 | 4.89 | 0.94 |
| 20 | 1.03 | 1.13 | 1.48 | 1.34 | 1.29 | 1.33 | 1.28 | 1.17 | 1.27 | 1.11 | 1.60 | 0.94 |
| 21 | 1.05 | 1.11 | 1.35 | 2.07 | 1.29 | 1.50 | 1.39 | 1.24 | 1.27 | 1.09 | 1.20 | 0.95 |
| 22 | 1.04 | 1.20 | 1.33 | 1.67 | 2.09 | 1.69 | 1.25 | 1.32 | 1.27 | 1.08 | 1.07 | 0.95 |
| 23 | 1.02 | 2.13 | 1.30 | 1.41 | 1.50 | 1.34 | 1.25 | 1.18 | 1.24 | 1.07 | 1.08 | 0.94 |
| 24 | 1.19 | 1.31 | 1.27 | 2.43 | 1.53 | 1.30 | 1.28 | 1.20 | 1.22 | 1.29 | 1.11 | 0.93 |
| 25 | 1.09 | 1.25 | 4.48 | 6.05 | 1.52 | 1.30 | 1.74 | 1.25 | 1.22 | 1.21 | 1.08 | 0.93 |
| 26 | 1.02 | 1.20 | 1.77 | 1.81 | 1.39 | 1.32 | 1.25 | 1.17 | 1.22 | 1.20 | 1.13 | 1.39 |
| 27 | 1.76 | 1.31 | 1.50 | 1.53 | 1.37 | 1.27 | 1.48 | 1.18 | 1.21 | 2.86 | 1.11 | 1.88 |
| 28 | 1.73 | 1.23 | 1.40 | 1.46 | 1.34 | 1.53 | 1.47 | 1.39 | 1.23 | 1.63 | 1.06 | 1.42 |
| 29 | 1.14 | 1.21 | 1.34 | 1.41 | --- | 2.92 | 1.27 | 1.75 | 1.16 | 1.27 | 1.05 | 1.65 |
| 30 | 1.09 | 1.27 | 1.32 | 1.59 | --- | 1.44 | 1.25 | 1.20 | 3.06 | 1.20 | 1.02 | 1.65 |
| 31 | 1.18 | --- | 1.59 | 1.70 | --- | 1.35 | --- | 2.44 | --- | 1.44 | 1.02 | --- |
| Mean | 1.16 | 1.52 | 1.67 | 1.64 | 1.71 | 1.54 | 1.30 | 1.33 | 1.58 | 1.32 | 1.32 | 1.10 |
| Max | 1.76 | 5.57 | 4.48 | 6.05 | 5.82 | 2.92 | 1.74 | 2.44 | 4.97 | 3.70 | 4.89 | 1.88 |
| Min | 1.01 | 1.06 | 1.23 | 1.22 | 1.28 | 1.27 | 1.19 | 1.17 | 1.16 | 1.01 | 1.02 | 0.93 |

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