

Water-Data Report 2010

0214643770 BRIAR CREEK AT INDEPENDENCE BOULEVARD AT CHARLOTTE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°12'39", long 80°48'03" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on upstream bank of Briar Creek, 4 ft inside of guardrail on the westbound lanes of Independence Boulevard (North Carolina Highway 74), 0.3 mi west of Briar Creek Road, and 2.3 mi southeast of city hall in Charlotte.

DRAINAGE AREA.--11.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2005 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 635.02 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records fair. Maximum gage height for period of record from flood mark based on information from local observer.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.78 ft, August 27, 2008; minimum gage height, 0.59 ft, September 16, 2009

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.87 ft, January 25; minimum gage height, 0.61 ft, October 4.

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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 | 0.65 | 2.14 | 0.95 | 1.01 | --- | 1.02 | 1.07 | 0.87 | 3.70 | 1.00 | 1.07 | 0.75 |
| 2 | 0.65 | 0.88 | 2.16 | 0.96 | --- | 1.25 | 1.05 | 0.87 | 1.70 | 0.84 | 0.78 | 0.75 |
| 3 | 0.65 | 0.80 | 1.48 | --- | 1.71 | 1.42 | 1.03 | 1.02 | 1.17 | 0.81 | 0.81 | 0.75 |
| 4 | 0.62 | 0.76 | 1.05 | --- | 1.36 | 1.09 | 1.01 | 0.89 | 1.01 | 0.77 | 0.74 | 0.74 |
| 5 | 1.13 | 0.75 | 1.02 | --- | 4.44 | 1.04 | 1.00 | 0.84 | 0.97 | 0.76 | 1.35 | 0.75 |
| 6 | 0.72 | 0.76 | 0.93 | 0.93 | 2.01 | 1.02 | 0.99 | 0.83 | 0.95 | 0.74 | 1.48 | 0.76 |
| 7 | 0.66 | 0.75 | 0.90 | 0.92 | 1.36 | 1.01 | 0.98 | 0.82 | 1.00 | 0.73 | 1.34 | 0.77 |
| 8 | 0.65 | 0.75 | 1.42 | 0.93 | 1.24 | 1.00 | 1.10 | 0.80 | 0.87 | 0.72 | 0.85 | 0.79 |
| 9 | 0.64 | 0.74 | 2.85 | 0.91 | 1.24 | 1.00 | 1.07 | 0.79 | 0.85 | 0.71 | 0.80 | 0.80 |
| 10 | 0.65 | 1.80 | 1.23 | 0.91 | 1.17 | 1.02 | 0.94 | 0.80 | 0.95 | 0.70 | 0.77 | 0.81 |
| 11 | 0.65 | 4.34 | 1.05 | 0.90 | 1.10 | 1.16 | 0.94 | 0.94 | 0.85 | 0.71 | 0.74 | 0.85 |
| 12 | 0.79 | 2.56 | 0.98 | 0.90 | 1.09 | 1.82 | 0.93 | 0.84 | 0.82 | 2.33 | 0.73 | 0.81 |
| 13 | 0.74 | 1.21 | 1.27 | 0.90 | 1.26 | 2.09 | 0.92 | 0.81 | 1.51 | 1.08 | 0.72 | 0.77 |
| 14 | 0.86 | 1.00 | 1.02 | 0.90 | 1.09 | 1.57 | 0.93 | 0.80 | 1.07 | 0.86 | 0.77 | 0.77 |
| 15 | 0.89 | 0.92 | 0.99 | 0.89 | 1.37 | 1.21 | 0.91 | 0.79 | 1.36 | 0.81 | 1.10 | 0.78 |
| 16 | 0.76 | 0.88 | 0.95 | 0.93 | 1.11 | 1.12 | 0.91 | 0.80 | 0.99 | 0.85 | 0.77 | 0.78 |
| 17 | 0.78 | 0.85 | 0.92 | 2.69 | 1.06 | 1.09 | 0.89 | 1.82 | 0.87 | 0.91 | 0.71 | 0.84 |
| 18 | 0.68 | 0.94 | 1.58 | 1.22 | 1.07 | 1.07 | 0.88 | 1.05 | 0.84 | 0.83 | 0.70 | 0.86 |
| 19 | --- | 0.87 | 1.81 | 1.08 | 1.00 | 1.05 | 0.88 | 0.85 | 0.81 | 0.75 | 3.93 | 0.88 |
| 20 | --- | 0.81 | 1.16 | 1.03 | 0.99 | 1.03 | 0.91 | 0.83 | 0.80 | 0.75 | 1.25 | 0.92 |
| 21 | --- | 0.81 | 1.04 | 1.71 | 0.99 | 1.17 | 1.00 | 0.95 | 0.78 | 0.72 | 0.93 | --- |
| 22 | 0.66 | 0.89 | 0.99 | 1.41 | 1.74 | 1.39 | 0.89 | 0.96 | 0.77 | 0.71 | 0.86 | 0.96 |
| 23 | 0.67 | 1.78 | 0.96 | 1.11 | 1.22 | 1.06 | 0.88 | 0.83 | 0.76 | 0.70 | 0.85 | 0.97 |
| 24 | 0.80 | 1.00 | 0.94 | 2.06 | 1.26 | 1.02 | 0.91 | 0.84 | 0.75 | 0.73 | 0.84 | 0.97 |
| 25 | 0.70 | 0.93 | 3.35 | 4.72 | 1.17 | 1.02 | 1.39 | 0.90 | 0.74 | 0.71 | 0.81 | 0.98 |
| 26 | 0.64 | 0.92 | 1.51 | 1.61 | 1.06 | 1.02 | 0.90 | 0.82 | 0.74 | 0.68 | 0.90 | 1.25 |
| 27 | 1.32 | 1.00 | 1.21 | 1.27 | 1.04 | 0.99 | 1.10 | 0.80 | 0.76 | 1.82 | 0.81 | 1.54 |
| 28 | 1.27 | 0.88 | 1.10 | 1.16 | 1.03 | 1.16 | 1.05 | 1.11 | 0.77 | 1.22 | 0.77 | 1.19 |
| 29 | 0.78 | 0.87 | 1.03 | 1.13 | --- | 2.39 | 0.89 | 1.35 | 0.72 | 0.84 | 0.76 | 1.42 |
| 30 | 0.75 | 0.94 | 1.00 | 1.30 | --- | 1.22 | 0.88 | 0.84 | 2.33 | 0.79 | 0.75 | 1.46 |
| 31 | 0.80 | --- | 1.26 | --- | --- | 1.12 | --- | 1.89 | --- | 0.97 | 0.75 | --- |
| Mean | --- | 1.15 | 1.29 | --- | --- | 1.21 | 0.97 | 0.95 | 1.07 | 0.89 | 0.98 | --- |
| Max | --- | 4.34 | 3.35 | --- | --- | 2.39 | 1.39 | 1.89 | 3.70 | 2.33 | 3.93 | --- |
| Min | --- | 0.74 | 0.90 | --- | --- | 0.99 | 0.88 | 0.79 | 0.72 | 0.68 | 0.70 | --- |

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