



Water-Data Report 2010

02091764 CONTENTNEA CREEK AT GRIFTON, NC

Neuse Basin
Contentnea Subbasin

LOCATION.--Lat 35°22'12", long 77°26'47" referenced to North American Datum of 1983, Lenoir County, NC, Hydrologic Unit 03020203, on right bank, at downstream side of bridge on North Carolina Highway 118 at Grifton.

DRAINAGE AREA.--980 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 2.90 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.67 ft, November 24, 2006; minimum gage height, 1.91 ft, September 26, 2010.

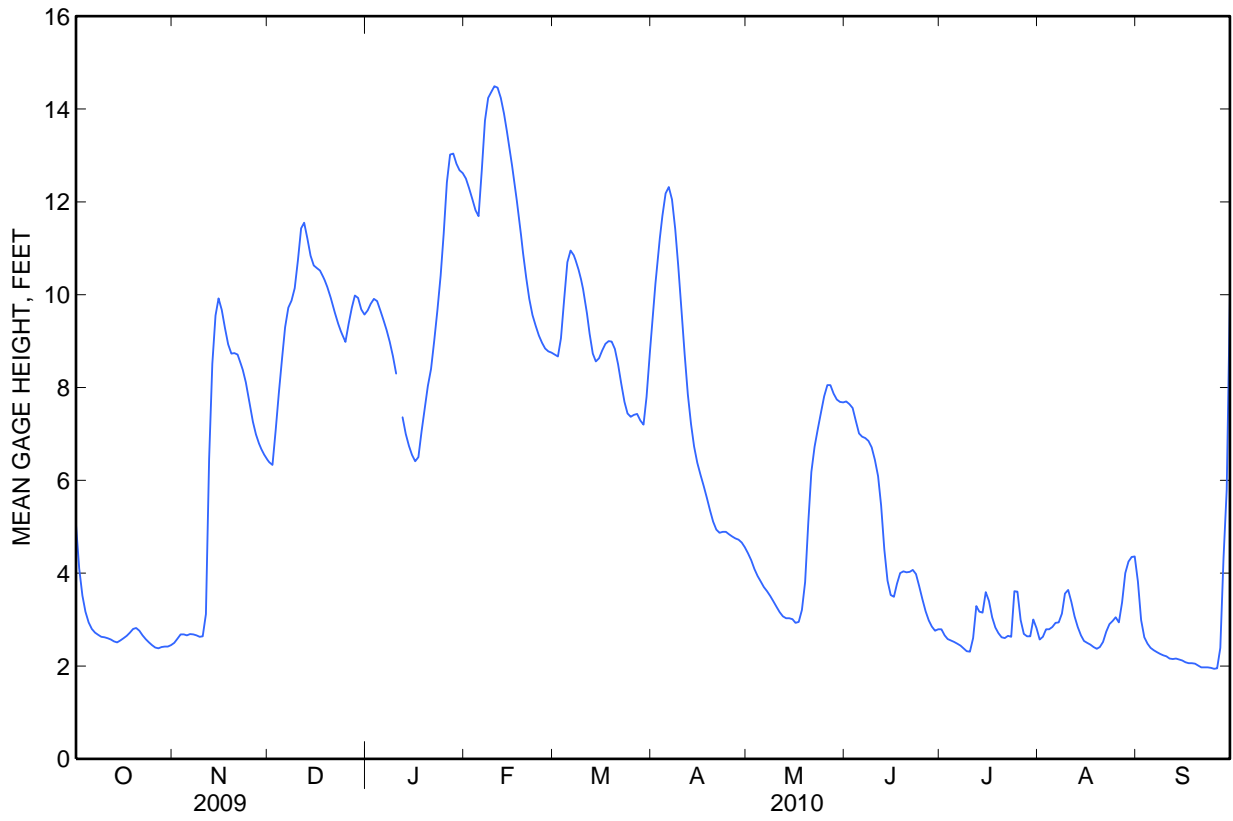
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.54 ft, February 10, 11; minimum gage height, 1.91 ft September 26.

02091764 CONTENTNEA CREEK AT GRIFTON, NC—Continued

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 | 5.05 | 2.50 | 6.39 | 9.66 | 12.50 | 8.71 | 9.60 | 4.43 | 7.70 | 2.79 | 2.57 | 3.82 |
| 2 | 4.10 | 2.59 | 6.33 | 9.80 | 12.29 | 8.67 | 10.42 | 4.28 | 7.64 | 2.66 | 2.63 | 2.99 |
| 3 | 3.52 | 2.68 | 7.08 | 9.91 | 12.06 | 9.06 | 11.10 | 4.09 | 7.56 | 2.58 | 2.79 | 2.62 |
| 4 | 3.17 | 2.68 | 7.89 | 9.86 | 11.82 | 9.90 | 11.70 | 3.94 | 7.28 | 2.55 | 2.79 | 2.48 |
| 5 | 2.94 | 2.66 | 8.63 | 9.66 | 11.69 | 10.70 | 12.18 | 3.82 | 7.01 | 2.52 | 2.84 | 2.39 |
| 6 | 2.80 | 2.69 | 9.30 | 9.45 | 12.67 | 10.95 | 12.32 | 3.70 | 6.94 | 2.48 | 2.93 | 2.34 |
| 7 | 2.72 | 2.68 | 9.72 | 9.24 | 13.75 | 10.85 | 12.05 | 3.61 | 6.91 | 2.44 | 2.94 | 2.30 |
| 8 | 2.67 | 2.66 | 9.87 | 8.98 | 14.24 | 10.66 | 11.42 | 3.51 | 6.85 | 2.38 | 3.13 | 2.26 |
| 9 | 2.63 | 2.63 | 10.14 | 8.67 | 14.37 | 10.42 | 10.62 | 3.39 | 6.71 | 2.32 | 3.56 | 2.23 |
| 10 | 2.62 | 2.64 | 10.74 | 8.30 | 14.49 | 10.11 | 9.68 | 3.27 | 6.44 | 2.31 | 3.64 | 2.21 |
| 11 | 2.60 | 3.12 | 11.43 | --- | 14.46 | 9.67 | 8.72 | 3.16 | 6.09 | 2.60 | 3.38 | 2.16 |
| 12 | 2.57 | 6.46 | 11.55 | 7.36 | 14.24 | 9.16 | 7.85 | 3.07 | 5.46 | 3.29 | 3.07 | 2.15 |
| 13 | 2.53 | 8.51 | 11.21 | 7.00 | 13.90 | 8.73 | 7.21 | 3.03 | 4.51 | 3.17 | 2.84 | 2.16 |
| 14 | 2.51 | 9.55 | 10.84 | 6.74 | 13.48 | 8.56 | 6.73 | 3.03 | 3.84 | 3.15 | 2.66 | 2.14 |
| 15 | 2.55 | 9.92 | 10.63 | 6.55 | 13.04 | 8.63 | 6.38 | 3.01 | 3.53 | 3.59 | 2.54 | 2.12 |
| 16 | 2.60 | 9.67 | 10.57 | 6.41 | 12.57 | 8.80 | 6.12 | 2.93 | 3.49 | 3.40 | 2.50 | 2.08 |
| 17 | 2.65 | 9.28 | 10.52 | 6.50 | 12.06 | 8.94 | 5.88 | 2.95 | 3.77 | 3.05 | 2.46 | 2.06 |
| 18 | 2.72 | 8.93 | 10.38 | 7.06 | 11.49 | 9.00 | 5.62 | 3.21 | 4.00 | 2.83 | 2.41 | 2.06 |
| 19 | 2.80 | 8.73 | 10.23 | 7.56 | 10.90 | 8.99 | 5.35 | 3.81 | 4.04 | 2.71 | 2.37 | 2.05 |
| 20 | 2.82 | 8.74 | 10.01 | 8.03 | 10.36 | 8.83 | 5.11 | 5.10 | 4.02 | 2.62 | 2.41 | 2.01 |
| 21 | 2.76 | 8.71 | 9.76 | 8.40 | 9.91 | 8.50 | 4.94 | 6.18 | 4.03 | 2.60 | 2.52 | 1.97 |
| 22 | 2.66 | 8.51 | 9.54 | 9.01 | 9.56 | 8.08 | 4.87 | 6.72 | 4.07 | 2.65 | 2.74 | 1.97 |
| 23 | 2.58 | 8.26 | 9.33 | 9.67 | 9.33 | 7.69 | 4.89 | 7.10 | 3.98 | 2.63 | 2.90 | 1.97 |
| 24 | 2.51 | 7.95 | 9.14 | 10.41 | 9.12 | 7.44 | 4.89 | 7.46 | 3.72 | 3.61 | 2.97 | 1.96 |
| 25 | 2.45 | 7.58 | 8.98 | 11.31 | 8.96 | 7.37 | 4.84 | 7.81 | 3.44 | 3.60 | 3.05 | 1.94 |
| 26 | 2.40 | 7.22 | 9.37 | 12.42 | 8.84 | 7.41 | 4.79 | 8.05 | 3.18 | 2.99 | 2.94 | 1.95 |
| 27 | 2.38 | 6.93 | 9.72 | 13.02 | 8.78 | 7.43 | 4.75 | 8.05 | 2.98 | 2.69 | 3.37 | 2.39 |
| 28 | 2.41 | 6.75 | 9.98 | 13.04 | 8.75 | 7.29 | 4.72 | 7.87 | 2.85 | 2.64 | 4.00 | 4.32 |
| 29 | 2.42 | 6.60 | 9.93 | 12.82 | --- | 7.20 | 4.66 | 7.74 | 2.76 | 2.64 | 4.25 | 5.80 |
| 30 | 2.42 | 6.48 | 9.68 | 12.68 | --- | 7.80 | 4.56 | 7.69 | 2.79 | 3.00 | 4.35 | 9.97 |
| 31 | 2.45 | --- | 9.57 | 12.62 | --- | 8.71 | --- | 7.68 | --- | 2.82 | 4.36 | --- |
| Mean | 2.77 | 6.14 | 9.63 | --- | 11.77 | 8.85 | 7.47 | 4.96 | 4.92 | 2.82 | 3.03 | 2.70 |
| Max | 5.05 | 9.92 | 11.55 | --- | 14.49 | 10.95 | 12.32 | 8.05 | 7.70 | 3.61 | 4.36 | 9.97 |
| Min | 2.38 | 2.50 | 6.33 | --- | 8.75 | 7.20 | 4.56 | 2.93 | 2.76 | 2.31 | 2.37 | 1.94 |

02091764 CONTENTNEA CREEK AT GRIFTON, NC—Continued



02091764 CONTENTNEA CREEK AT GRIFTON, NC—Continued

CLIMATOLOGICAL RECORDS

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

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

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the 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 | 0.60 | 0.01 | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.34 | 0.00 |
| 2 | 0.00 | 0.00 | 2.31 | 0.01 | 0.23 | 0.84 | 0.00 | 0.00 | 1.25 | 0.00 | 0.15 | 0.17 |
| 3 | 0.00 | 0.00 | 0.66 | 0.00 | 0.04 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| 4 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 0.01 | 0.00 | 0.00 | 0.00 |
| 5 | 0.13 | 0.00 | 0.93 | 0.00 | 3.47 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.66 | 0.00 |
| 6 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 |
| 8 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 0.00 | 0.00 | 2.42 | 0.00 | 0.31 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 0.20 | 0.88 | 0.00 | 0.00 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 |
| 11 | 0.09 | 3.17 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.01 |
| 12 | 0.05 | 1.71 | 0.00 | 0.00 | --- | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.10 | 0.23 |
| 13 | 0.00 | 0.05 | 0.15 | 0.00 | --- | 0.03 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 |
| 14 | 0.35 | 0.00 | 0.00 | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 |
| 15 | 0.08 | 0.00 | 0.00 | 0.00 | --- | 0.00 | 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 | 0.47 | 0.59 | 0.00 | 0.00 | 0.00 |
| 17 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.15 | 0.00 | 0.00 |
| 18 | 0.00 | 0.66 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.52 | 0.00 |
| 19 | 0.00 | 0.58 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.26 | 0.00 |
| 20 | 0.00 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.12 | 0.73 | 0.00 |
| 21 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| 22 | 0.00 | 0.30 | 0.00 | 0.31 | 0.92 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| 23 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 1.21 | 0.00 | 0.00 |
| 24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 1.06 | 0.00 |
| 25 | 0.00 | 0.00 | 2.61 | 2.18 | 0.01 | 0.00 | 0.18 | 0.00 | 0.05 | 0.00 | 0.06 | 0.00 |
| 26 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 |
| 27 | 0.12 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 4.63 |
| 28 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.45 |
| 29 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 2.03 | 0.00 | 0.20 | 1.13 | 1.49 | 0.00 | 6.51 |
| 30 | 0.00 | 0.03 | 0.00 | --- | --- | 0.00 | 0.00 | 0.00 | 0.11 | 0.03 | 0.00 | 3.34 |
| 31 | 0.00 | --- | 0.92 | --- | --- | 0.00 | --- | 0.00 | --- | 0.00 | 0.00 | --- |
| Total | 1.36 | 8.21 | 11.03 | --- | --- | 4.48 | 1.91 | 2.98 | 4.04 | 5.60 | 4.16 | 16.83 |

02091764 CONTENTNEA CREEK AT GRIFTON, NC—Continued

