



Water-Data Report 2010

02146614 MCALPINE CREEK AT COLONY ROAD NEAR OLDE PROVIDENCE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°07'06", long 80°48'24" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on upstream left side of bridge at Colony Road, 1 mi northwest of Olde Providence and 7 mi south of Charlotte.

DRAINAGE AREA.--47.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2008 to current year.

GAGE.--Water stage recorder. Datum of gage is 534.76 ft above North American Vertical Datum of 1988 (City of Charlotte benchmark). Radio telemetry at station.

REMARKS.--Records good above base flow. Base flow record affected by regulation of unknown origin or instrument drift.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.49 ft, August 27, 2008; minimum gage height, 1.01 ft, August 7, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.18 ft, January 25; minimum gage height, 1.15 ft, October 2.

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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 | 1.19 | 3.87 | 1.80 | 1.99 | 2.33 | 1.84 | 1.88 | 1.60 | 5.32 | 2.35 | 2.06 | 1.31 |
| 2 | 1.18 | 1.87 | 4.31 | 1.87 | 3.73 | 2.00 | 1.84 | 1.62 | 5.32 | 1.69 | 1.58 | 1.30 |
| 3 | 1.22 | 1.64 | 3.92 | 1.82 | 3.41 | 2.69 | 1.80 | 1.86 | 2.96 | 1.54 | 1.53 | 1.27 |
| 4 | 1.23 | 1.53 | 2.12 | 1.78 | 2.44 | 2.13 | 1.78 | 1.72 | 1.91 | 1.47 | 1.63 | 1.24 |
| 5 | 2.00 | 1.46 | 1.96 | 1.74 | 9.33 | 1.95 | 1.77 | 1.58 | 1.73 | 1.48 | 2.86 | 1.21 |
| 6 | 1.66 | 1.43 | 1.84 | 1.73 | 4.53 | 1.87 | 1.76 | 1.55 | 1.74 | 1.38 | 3.44 | 1.20 |
| 7 | 1.42 | 1.43 | 1.73 | 1.72 | 2.54 | 1.83 | 1.74 | 1.53 | 2.02 | 1.39 | 2.47 | 1.22 |
| 8 | 1.26 | 1.42 | 2.09 | 1.72 | 2.27 | 1.82 | 1.76 | 1.50 | 1.55 | 1.38 | 1.72 | 1.23 |
| 9 | 1.24 | 1.43 | 6.96 | 1.68 | 2.27 | 1.86 | 2.09 | 1.43 | 1.52 | 1.34 | 1.59 | 1.26 |
| 10 | 1.26 | 2.92 | 2.51 | 1.66 | 2.16 | 1.86 | 1.70 | 1.41 | 1.85 | 1.31 | 1.53 | 1.28 |
| 11 | 1.27 | 9.28 | 2.02 | 1.67 | 2.02 | 2.10 | 1.67 | 1.59 | 2.08 | 1.30 | 1.47 | 1.25 |
| 12 | 1.38 | 4.74 | 1.87 | 1.73 | 1.97 | 3.06 | 1.66 | 1.63 | 1.56 | 6.53 | 1.43 | 1.29 |
| 13 | 1.64 | 2.43 | 2.24 | 1.68 | 2.26 | 5.07 | 1.67 | 1.50 | 2.23 | 5.10 | 1.40 | 1.62 |
| 14 | 1.50 | 1.97 | 2.02 | 1.66 | 2.11 | 2.62 | 1.63 | 1.48 | 2.46 | 2.05 | 1.39 | 1.72 |
| 15 | 1.76 | 1.80 | 1.90 | 1.68 | 2.50 | 2.18 | 1.65 | 1.46 | 1.91 | 1.68 | 3.15 | 1.57 |
| 16 | 1.64 | 1.71 | 1.78 | 1.70 | 2.24 | 2.02 | 1.66 | 1.46 | 1.98 | 1.89 | 1.76 | 1.30 |
| 17 | 1.42 | 1.67 | 1.72 | 5.80 | 2.04 | 1.95 | 1.62 | 2.81 | 1.59 | 2.09 | 1.56 | 1.38 |
| 18 | 1.46 | 1.67 | 2.69 | 2.52 | 1.95 | 1.92 | 1.58 | 2.14 | 1.52 | 1.94 | 1.48 | 1.45 |
| 19 | 1.35 | 1.74 | 4.13 | 2.10 | 1.89 | 1.88 | 1.57 | 1.66 | 1.45 | 1.82 | 3.17 | 1.49 |
| 20 | 1.33 | 1.63 | 2.28 | 1.98 | 1.85 | 1.85 | 1.59 | 1.55 | 1.43 | 1.63 | 2.45 | 1.50 |
| 21 | 1.35 | 1.56 | 2.00 | 3.31 | 1.86 | 1.91 | 1.77 | 1.52 | 1.40 | 1.58 | 1.72 | 1.50 |
| 22 | 1.34 | 1.59 | 1.88 | 3.27 | 2.80 | 2.24 | 1.63 | 1.71 | 1.38 | 1.65 | 1.58 | 1.55 |
| 23 | 1.42 | 3.58 | 1.81 | 2.25 | 2.24 | 1.90 | 1.61 | 1.56 | 1.37 | 1.47 | 1.50 | 1.57 |
| 24 | 1.74 | 2.08 | 1.77 | 2.90 | 2.31 | 1.83 | 1.59 | 1.53 | 1.35 | 1.76 | 1.45 | 1.55 |
| 25 | 1.61 | 1.83 | 8.00 | 10.88 | 2.28 | 1.83 | 2.34 | 1.72 | 1.34 | 1.92 | 1.46 | 1.54 |
| 26 | 1.35 | 1.70 | 3.35 | 2.69 | 1.99 | 1.82 | 1.71 | 1.54 | 1.31 | 1.57 | 1.47 | 1.88 |
| 27 | 1.89 | 1.66 | 2.31 | 2.21 | 1.93 | 1.75 | 1.76 | 1.46 | 1.37 | 3.92 | 1.44 | 2.98 |
| 28 | 3.05 | 1.60 | 2.08 | 2.07 | 1.88 | 1.76 | 2.11 | 1.57 | 1.40 | 4.05 | 1.39 | 2.28 |
| 29 | 1.67 | 1.59 | 1.94 | 1.97 | --- | 3.85 | 1.63 | 2.45 | 1.29 | 1.87 | 1.37 | 2.44 |
| 30 | 1.51 | 1.62 | 1.87 | 2.20 | --- | 2.18 | 1.59 | 1.60 | 4.99 | 1.63 | 1.35 | 3.03 |
| 31 | 1.49 | --- | 2.38 | 2.39 | --- | 1.94 | --- | 4.18 | --- | 1.59 | 1.34 | --- |
| Mean | 1.51 | 2.21 | 2.62 | 2.46 | 2.61 | 2.18 | 1.74 | 1.74 | 2.04 | 2.08 | 1.80 | 1.58 |
| Max | 3.05 | 9.28 | 8.00 | 10.88 | 9.33 | 5.07 | 2.34 | 4.18 | 5.32 | 6.53 | 3.44 | 3.03 |
| Min | 1.18 | 1.42 | 1.72 | 1.66 | 1.85 | 1.75 | 1.57 | 1.41 | 1.29 | 1.30 | 1.34 | 1.20 |

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