

0211351575 HOGAN CREEK AT SECONDARY ROAD 2038 NEAR SILOAM, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°19'20", long 80°35'38" referenced to North American Datum of 1983, Surry County, NC, Hydrologic Unit 03040101, on right bank, downstream of bridge on Secondary Road 2038, 2 miles southwest of Pine Hill and 3.1 miles northwest of Siloam.

DRAINAGE AREA.--3.32 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2004 to September 2007.

GAGE.--Water-stage recorder. Datum of gage is 968 ft above National Vertical Datum of 1988.

REMARKS.--Records of discharge above 200 ft³/s based on step-backwater computations. Records fair except those for estimated daily discharges and those above 200 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

[illegible]

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

[illegible]

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

[illegible]

0211351575 HOGAN CREEK AT SECONDARY ROAD 2038 NEAR SILOAM, NC-Continued

SUMMARY STATISTICS

| | Water Year 2005 | | Water Years 2004 - 2005 | |
|--------------------------|-----------------|--------|-------------------------|--------------|
| Annual total | 1,239.8 | | | |
| Annual mean | 3.40 | | 3.40 | |
| Highest annual mean | | | 3.40 | 2005 |
| Lowest annual mean | | | 3.40 | 2005 |
| Highest daily mean | 61 | Oct 13 | 157 | Sep 28, 2004 |
| Lowest daily mean | 1.2 | Sep 13 | 1.2 | Sep 13, 2005 |
| Annual seven-day minimum | 1.4 | Sep 11 | 1.4 | Sep 11, 2005 |
| Maximum peak flow | 408 | Oct 13 | 1,060 | Sep 28, 2004 |
| Maximum peak stage | 3.60 | Oct 13 | 5.73 | Sep 28, 2004 |
| 10 percent exceeds | 4.3 | | 4.3 | |
| 50 percent exceeds | 2.3 | | 2.3 | |
| 90 percent exceeds | 1.6 | | 1.6 | |

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

DAILY MEAN VALUES

[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------|-------|-------|-------|-------|------|------|------|------|--------|-------|-------|------|
| 1 | e1.4 | 2.0 | 2.8 | 2.6 | 1.8 | 1.9 | 1.8 | 1.8 | e4.0 | 1.5 | 0.88 | 1.4 |
| 2 | e1.4 | 2.1 | 2.3 | 12 | 1.9 | 1.8 | 1.7 | 1.7 | e2.5 | 1.3 | 0.94 | 1.3 |
| 3 | e1.3 | 2.2 | 2.3 | 20 | 2.2 | 1.7 | 3.5 | 1.6 | e1.8 | 1.2 | 0.95 | 1.4 |
| 4 | e1.3 | 2.1 | 2.1 | 5.3 | 2.5 | 1.7 | 1.6 | 1.3 | e1.6 | 1.2 | 0.95 | 6.7 |
| 5 | e1.2 | 2.1 | 15 | 3.4 | 2.3 | 1.9 | 1.3 | 1.6 | e1.4 | 1.3 | 0.90 | 9.9 |
| 6 | e1.7 | 2.2 | 7.0 | 2.6 | 2.1 | 2.2 | 1.2 | 1.4 | e1.2 | 1.8 | 0.89 | 2.1 |
| 7 | 11 | 2.3 | 3.7 | 2.3 | 2.1 | 2.1 | 1.2 | 1.8 | 1.2 | 1.2 | 0.91 | 1.6 |
| 8 | 107 | 2.4 | 2.8 | 2.5 | 2.3 | 2.1 | 1.6 | e1.9 | 1.3 | 0.97 | 0.92 | 1.4 |
| 9 | 3.9 | 1.7 | 7.8 | 2.5 | 2.3 | 1.9 | 1.5 | e1.8 | 1.4 | 1.0 | 0.94 | 1.3 |
| 10 | e8.2 | 1.9 | 5.0 | 2.5 | 2.3 | 1.7 | 1.5 | e1.7 | 1.3 | 1.1 | 1.1 | 1.4 |
| 11 | e70 | 1.9 | 3.5 | 4.6 | 2.7 | 1.7 | 1.7 | e1.8 | 3.5 | 1.0 | 1.2 | 1.4 |
| 12 | e12 | 2.2 | 2.7 | 3.8 | 2.6 | 1.7 | 1.7 | e1.8 | 3.6 | 0.98 | 1.9 | 1.3 |
| 13 | e6.0 | 2.3 | 2.5 | 65 | 2.5 | 1.6 | 1.7 | e1.7 | 1.8 | 1.1 | 1.3 | 11 |
| 14 | e3.5 | 2.5 | 2.7 | 31 | 2.4 | 1.4 | 1.8 | e3.3 | 1.8 | 1.4 | 1.1 | 15 |
| 15 | e3.0 | 2.4 | 15 | 5.6 | 2.4 | 1.3 | 1.5 | e2.1 | 1.5 | 1.5 | 1.4 | 3.1 |
| 16 | e2.6 | 2.3 | 16 | 3.8 | 2.3 | 1.4 | 1.3 | e1.9 | 1.4 | 1.3 | 1.5 | 2.0 |
| 17 | e2.4 | 2.5 | 7.9 | 3.4 | 2.2 | 1.4 | 2.0 | e1.8 | 1.3 | 0.99 | 1.1 | 1.6 |
| 18 | e2.5 | 2.3 | 4.9 | 3.1 | 2.4 | 1.6 | 1.7 | e1.7 | 1.1 | 0.91 | 0.97 | 1.4 |
| 19 | e2.4 | 2.2 | 3.9 | 2.8 | 2.3 | 1.7 | 1.5 | e1.8 | 1.2 | 0.94 | 1.0 | 1.4 |
| 20 | e2.4 | 2.3 | 3.3 | 2.8 | 2.2 | 1.9 | 1.6 | e1.9 | 1.2 | 0.98 | 1.6 | 1.2 |
| 21 | e2.3 | 4.3 | 3.2 | 3.4 | 2.0 | 2.3 | 1.8 | e1.6 | 1.1 | 0.96 | 1.3 | 1.1 |
| 22 | e2.1 | 6.5 | 3.1 | 3.1 | 2.0 | 1.9 | 2.7 | e1.4 | 0.98 | 1.7 | 1.2 | 1.2 |
| 23 | e2.2 | 3.6 | 2.8 | 3.1 | 1.7 | 1.9 | 2.2 | e1.5 | 1.0 | 2.1 | 1.2 | 1.4 |
| 24 | e2.1 | 3.2 | 2.6 | 2.8 | 1.8 | 1.9 | 1.9 | e1.4 | 1.3 | 1.3 | 1.0 | 1.7 |
| 25 | e2.0 | 2.9 | 2.7 | 2.4 | 1.9 | 1.9 | 1.8 | e1.4 | 1.2 | 1.4 | 0.95 | 2.3 |
| 26 | 1.9 | 3.3 | 2.5 | 2.5 | 2.1 | 1.9 | 2.1 | e1.4 | 2.3 | 1.2 | 0.92 | 1.6 |
| 27 | 1.9 | 4.1 | 2.5 | 2.4 | 2.1 | 1.9 | 6.5 | e1.3 | 56 | 1.2 | 0.92 | 1.5 |
| 28 | 1.9 | 9.5 | 3.0 | 2.3 | 2.0 | 1.9 | 3.1 | e1.3 | 5.4 | 1.2 | 0.90 | 1.8 |
| 29 | 1.6 | 16 | 9.0 | 2.4 | --- | 1.8 | 2.0 | e1.2 | 2.5 | 1.2 | 1.4 | 2.0 |
| 30 | 1.7 | 4.6 | 3.9 | 2.1 | --- | 1.8 | 1.8 | e1.2 | 1.8 | 1.1 | 2.4 | 1.8 |
| 31 | 1.8 | --- | 3.0 | 1.8 | --- | 1.7 | --- | e1.4 | --- | 0.95 | 1.6 | --- |
| Total | 266.7 | 101.9 | 151.5 | 209.9 | 61.4 | 55.6 | 59.3 | 51.5 | 109.68 | 37.98 | 36.24 | 84.3 |
| Mean | 8.60 | 3.40 | 4.89 | 6.77 | 2.19 | 1.79 | 1.98 | 1.66 | 3.66 | 1.23 | 1.17 | 2.81 |
| Max | 107 | 16 | 16 | 65 | 2.7 | 2.3 | 6.5 | 3.3 | 56 | 2.1 | 2.4 | 15 |
| Min | 1.2 | 1.7 | 2.1 | 1.8 | 1.7 | 1.3 | 1.2 | 1.2 | 0.98 | 0.91 | 0.88 | 1.1 |

0211351575 HOGAN CREEK AT SECONDARY ROAD 2038 NEAR SILOAM, NC-Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2006, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mean | 6.89 | 4.30 | 4.53 | 5.33 | 2.46 | 3.51 | 3.04 | 1.96 | 2.85 | 1.80 | 1.55 | 5.56 |
| Max | 8.60 | 5.20 | 4.89 | 6.77 | 2.72 | 5.22 | 4.10 | 2.26 | 3.66 | 2.37 | 1.93 | 12.3 |
| (WY) | (2006) | (2005) | (2006) | (2006) | (2005) | (2005) | (2005) | (2005) | (2006) | (2005) | (2005) | (2004) |
| Min | 5.18 | 3.40 | 4.17 | 3.89 | 2.19 | 1.79 | 1.98 | 1.66 | 2.04 | 1.23 | 1.17 | 1.60 |
| (WY) | (2005) | (2006) | (2005) | (2005) | (2006) | (2006) | (2006) | (2006) | (2005) | (2006) | (2006) | (2005) |

SUMMARY STATISTICS

| | Calendar Year 2005 | | Water Year 2006 | | Water Years 2004 - 2006 | |
|---------------------------------|--------------------|--------|-----------------|-------|-------------------------|--------------|
| Annual total | 1,313.9 | | 1,226.00 | | | |
| Annual mean | 3.60 | | 3.36 | | 3.38 | |
| Highest annual mean | | | | | 3.40 | |
| Lowest annual mean | | | | | 3.36 | |
| Highest daily mean | 107 | Oct 8 | 107 | Oct 8 | 157 | Sep 28, 2004 |
| Lowest daily mean | 1.2 | Sep 13 | 0.88 | Aug 1 | 0.88 | Aug 1, 2006 |
| Annual seven-day minimum | 1.4 | Sep 29 | 0.92 | Aug 1 | 0.92 | Aug 1, 2006 |
| Maximum peak flow | | | 599 | Oct 8 | 1,060 | Sep 28, 2004 |
| Maximum peak stage | | | 4.40 | Oct 8 | 5.73 | Sep 28, 2004 |
| 10 percent exceeds | 4.5 | | 3.9 | | 4.1 | |
| 50 percent exceeds | 2.3 | | 1.9 | | 2.2 | |
| 90 percent exceeds | 1.6 | | 1.1 | | 1.3 | |

0211351575 HOGAN CREEK AT SECONDARY ROAD 2038 NEAR SILOAM, NC-Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|--------|
| 1 | 2.0 | 1.7 | 2.9 | 70 | e2.0 | 15 | 2.0 | e1.6 | 0.88 | 0.58 | 0.37 | 0.46 |
| 2 | 1.7 | 2.6 | 2.8 | 5.4 | e2.1 | 55 | 2.1 | e1.6 | 0.85 | 0.43 | 0.36 | 0.44 |
| 3 | 1.6 | 1.9 | e2.6 | 2.2 | e2.1 | 6.4 | 2.0 | e1.6 | 2.8 | 0.42 | 0.34 | 0.41 |
| 4 | 1.7 | 1.8 | e2.5 | 1.7 | e1.9 | 4.2 | 1.7 | e1.9 | 1.6 | 0.47 | 0.34 | 0.40 |
| 5 | 4.1 | 1.8 | e2.4 | 3.1 | e1.9 | 3.5 | 1.5 | e1.8 | 1.1 | 0.52 | 0.34 | 0.39 |
| 6 | 2.9 | 1.8 | e2.3 | 2.7 | e1.9 | 3.1 | 1.5 | e1.7 | 1.1 | 1.2 | 0.34 | 0.39 |
| 7 | 1.6 | 3.5 | e2.2 | 6.6 | e1.9 | 2.8 | 1.5 | e1.6 | 0.98 | 0.52 | 0.35 | 0.39 |
| 8 | 2.2 | 12 | e2.2 | 37 | e1.8 | 2.7 | 1.5 | e1.5 | 0.97 | 0.47 | 0.34 | 0.40 |
| 9 | 1.6 | 3.6 | e2.1 | e6.5 | e1.8 | 2.5 | 1.6 | e1.5 | 0.92 | 0.43 | 0.32 | 0.40 |
| 10 | 1.3 | 2.2 | e2.0 | e5.1 | e1.8 | 2.5 | 1.5 | 1.5 | 0.81 | 1.8 | 0.32 | 0.40 |
| 11 | 1.3 | 2.0 | e2.0 | e3.8 | e1.8 | 2.5 | 2.0 | 1.5 | 0.81 | 0.78 | 0.32 | 0.41 |
| 12 | 1.6 | 2.4 | e2.1 | e3.2 | e1.9 | 2.5 | 3.3 | 1.6 | 0.87 | 0.45 | 0.34 | 0.43 |
| 13 | 1.6 | 2.0 | e2.2 | e2.9 | 4.6 | 2.4 | 1.8 | 1.5 | 0.82 | 0.42 | 0.34 | 0.41 |
| 14 | 1.5 | 1.9 | 2.1 | e2.7 | 14 | 2.4 | 1.8 | 1.5 | 0.95 | 0.42 | 0.34 | 78 |
| 15 | 1.5 | 1.8 | 1.9 | e2.6 | e5.2 | 2.4 | 8.3 | 1.5 | 0.97 | 0.41 | 0.34 | 8.0 |
| 16 | 1.5 | 87 | 1.9 | e2.5 | e3.4 | 16 | e4.8 | 1.4 | 0.96 | 0.41 | 0.34 | 2.4 |
| 17 | 3.7 | 8.6 | 1.9 | e2.4 | e2.8 | 7.0 | e2.8 | 1.4 | 0.82 | 0.67 | 0.48 | 1.7 |
| 18 | 2.5 | 5.2 | 1.9 | e2.3 | e2.6 | 3.9 | e2.4 | 1.3 | 0.71 | 0.54 | 0.38 | 1.3 |
| 19 | 2.0 | 4.2 | 1.9 | e2.3 | e2.4 | 3.1 | e2.3 | 1.3 | 0.65 | 0.43 | 0.36 | 1.2 |
| 20 | 3.0 | 3.7 | 1.7 | e2.1 | 2.2 | 2.8 | e2.3 | 1.3 | 0.63 | 0.41 | 0.37 | 1.2 |
| 21 | 2.5 | 3.3 | 1.8 | e2.3 | 2.6 | 2.6 | e2.2 | 1.2 | 0.53 | 0.39 | 0.37 | 1.1 |
| 22 | 2.3 | 6.2 | 4.2 | e3.0 | 2.4 | 2.6 | e2.0 | 1.3 | 0.52 | 0.37 | 0.45 | 1.1 |
| 23 | 2.4 | 6.0 | 3.8 | e2.4 | 2.2 | 2.4 | e1.9 | 1.3 | 0.52 | 0.37 | 0.47 | 1.1 |
| 24 | 2.3 | 4.3 | 2.0 | e2.2 | 2.2 | 2.3 | e1.8 | 1.2 | 0.61 | 0.55 | 0.46 | 1.00 |
| 25 | 2.4 | 3.7 | 32 | e2.1 | 3.4 | 2.3 | e1.7 | 1.2 | 2.9 | 0.52 | 0.41 | 1.0 |
| 26 | 2.5 | 3.3 | 8.2 | e2.1 | 3.3 | 2.3 | e1.7 | 1.1 | 1.6 | 0.47 | 0.39 | 1.6 |
| 27 | 4.6 | 3.2 | 3.2 | e2.0 | 2.8 | 2.4 | e2.3 | 1.1 | 0.67 | 0.43 | 0.43 | 1.6 |
| 28 | 13 | 3.1 | 2.2 | e2.0 | 2.6 | 2.4 | e1.8 | 0.95 | 0.67 | 0.45 | 0.43 | 1.5 |
| 29 | 2.9 | 3.1 | 1.6 | e1.9 | --- | 2.1 | e1.7 | 0.92 | 3.6 | 0.42 | 0.42 | 1.6 |
| 30 | 2.0 | 3.0 | 1.4 | e1.9 | --- | 2.0 | e1.7 | 0.91 | 1.9 | 0.42 | 0.45 | 1.7 |
| 31 | 1.8 | --- | 1.7 | e1.9 | --- | 2.0 | --- | 0.93 | --- | 0.40 | 0.51 | --- |
| Total | 79.6 | 190.9 | 105.7 | 190.9 | 81.6 | 168.1 | 67.5 | 42.71 | 33.72 | 16.57 | 11.82 | 112.43 |
| Mean | 2.57 | 6.36 | 3.41 | 6.16 | 2.91 | 5.42 | 2.25 | 1.38 | 1.12 | 0.53 | 0.38 | 3.75 |
| Max | 13 | 87 | 32 | 70 | 14 | 55 | 8.3 | 1.9 | 3.6 | 1.8 | 0.51 | 78 |
| Min | 1.3 | 1.7 | 1.4 | 1.7 | 1.8 | 2.0 | 1.5 | 0.91 | 0.52 | 0.37 | 0.32 | 0.39 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2007, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mean | 5.45 | 4.99 | 4.16 | 5.61 | 2.61 | 4.15 | 2.77 | 1.77 | 2.27 | 1.38 | 1.16 | 5.11 |
| Max | 8.60 | 6.36 | 4.89 | 6.77 | 2.91 | 5.42 | 4.10 | 2.26 | 3.66 | 2.37 | 1.93 | 12.3 |
| (WY) | (2006) | (2007) | (2006) | (2006) | (2007) | (2007) | (2005) | (2005) | (2006) | (2005) | (2005) | (2004) |
| Min | 2.57 | 3.40 | 3.41 | 3.89 | 2.19 | 1.79 | 1.98 | 1.38 | 1.12 | 0.53 | 0.38 | 1.60 |
| (WY) | (2007) | (2006) | (2007) | (2005) | (2006) | (2006) | (2006) | (2007) | (2007) | (2007) | (2007) | (2005) |

0211351575 HOGAN CREEK AT SECONDARY ROAD 2038 NEAR SILOAM, NC-Continued

SUMMARY STATISTICS

| | Calendar Year 2006 | | Water Year 2007 | | Water Years 2004 - 2007 | |
|--------------------------|--------------------|--------|-----------------|--------|-------------------------|--------------|
| Annual total | 1,082.10 | | 1,101.55 | | | |
| Annual mean | 2.96 | | 3.02 | | 3.26 | |
| Highest annual mean | | | | | 3.40 | |
| Lowest annual mean | | | | | 3.02 | |
| Highest daily mean | 87 | Nov 16 | 87 | Nov 16 | 157 | Sep 28, 2004 |
| Lowest daily mean | 0.88 | Aug 1 | 0.32 | Aug 9 | 0.32 | Aug 9, 2007 |
| Annual seven-day minimum | 0.92 | Aug 1 | 0.33 | Aug 8 | 0.33 | Aug 8, 2007 |
| Maximum peak flow | | | 642 | Sep 14 | 1,060 | Sep 28, 2004 |
| Maximum peak stage | | | 4.56 | Sep 14 | 5.73 | Sep 28, 2004 |
| Instantaneous low flow | | | 0.29 | Aug 9 | 0.29 | Aug 9, 2007 |
| 10 percent exceeds | 3.6 | | 3.7 | | 4.0 | |
| 50 percent exceeds | 1.8 | | 1.8 | | 2.1 | |
| 90 percent exceeds | 1.1 | | 0.41 | | 0.95 | |