

Water-Data Report 2008

**0214685800 SIX MILE CREEK NEAR PINEVILLE, NC**

Santee Basin  
Lower Catawba Subbasin

LOCATION.--Lat 35°00'37.28", long 80°49'42.75" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank 70 ft downstream of Marvin Road, 6.0 mi southeast of Pineville.

DRAINAGE AREA.--20.3 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2007 to September 2008.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 574.2 above North American Vertical Datum of 1988. Satellite telemetry at site.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for current water year from rating curve extended above 350 ft<sup>3</sup>/s. Minimum discharge for current water year also occurred July 5.

## 0214685800 SIX MILE CREEK NEAR PINEVILLE, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

| Day          | Oct    | Nov   | Dec   | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul    | Aug    | Sep    |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 1            | 2.4    | 1.8   | 2.5   | 14    | 193   | 8.5   | 8.4   | 7.6   | 1.9   | 0.07   | 0.86   | 32     |
| 2            | 2.4    | 1.9   | 2.6   | 8.6   | 42    | 8.0   | 7.1   | 5.9   | 1.1   | 0.06   | 0.52   | 6.3    |
| 3            | 2.5    | 2.1   | 3.3   | 6.8   | 15    | 7.5   | 17    | 4.9   | 0.81  | 0.05   | 0.22   | 3.9    |
| 4            | 1.8    | 2.2   | 3.8   | 6.0   | 11    | 87    | 32    | 3.9   | 0.73  | 0.05   | 0.12   | 3.0    |
| 5            | 1.7    | 2.3   | 3.9   | 5.6   | 8.9   | 181   | 179   | 3.5   | 1.1   | 0.05   | 0.09   | 2.6    |
| 6            | 3.5    | 2.5   | 4.0   | 5.4   | 8.2   | 25    | 36    | 3.1   | 0.43  | 99     | 0.08   | 2.7    |
| 7            | 3.4    | 2.8   | 3.9   | 5.2   | 7.9   | 93    | 15    | 2.7   | 0.28  | 24     | 0.08   | 2.2    |
| 8            | 3.0    | 2.9   | 3.8   | 5.0   | 6.9   | 67    | 11    | 2.6   | 0.26  | 47     | 0.23   | 2.0    |
| 9            | 2.7    | 3.1   | 4.1   | 5.1   | 6.5   | 22    | 8.4   | 3.3   | 0.72  | 82     | 0.23   | 1.8    |
| 10           | 3.5    | 3.2   | 4.2   | 5.2   | 6.0   | 14    | 7.6   | 2.9   | 0.42  | 7.3    | 0.23   | 27     |
| 11           | 3.2    | 3.1   | 4.3   | 7.9   | 5.8   | 12    | 6.9   | 5.0   | 0.25  | 4.8    | 0.22   | 16     |
| 12           | 2.4    | 3.2   | 4.3   | 6.5   | 6.7   | 10    | 8.2   | 3.6   | 5.1   | 2.7    | 0.20   | 4.9    |
| 13           | 1.9    | 3.2   | 4.2   | 5.4   | 22    | 8.7   | 7.3   | 2.2   | 1.4   | 49     | 7.1    | 3.0    |
| 14           | 1.8    | 3.4   | 4.6   | 5.0   | 20    | 8.1   | 6.2   | 2.0   | 0.51  | 131    | 3.5    | 2.5    |
| 15           | 1.4    | 4.2   | 5.4   | 4.7   | 9.3   | 77    | 5.8   | 2.0   | 0.34  | 8.3    | 0.96   | 1.9    |
| 16           | 1.1    | 3.6   | 65    | 4.6   | 7.5   | 105   | 5.3   | 6.0   | 0.28  | 4.1    | 0.61   | 5.3    |
| 17           | 0.97   | 3.2   | 9.2   | 98    | 6.9   | 17    | 4.9   | 3.1   | 0.16  | 2.1    | 59     | 10     |
| 18           | 0.89   | 3.1   | 5.6   | 31    | 90    | 13    | 4.7   | 2.9   | 0.11  | 1.4    | 6.0    | 3.9    |
| 19           | 0.89   | 3.8   | 4.6   | 19    | 18    | 23    | 4.6   | 2.9   | 0.08  | 0.97   | 2.2    | 2.7    |
| 20           | 0.87   | 4.0   | 4.1   | 23    | 11    | 36    | 4.6   | 2.9   | 8.3   | 0.72   | 0.92   | 2.0    |
| 21           | 0.75   | 4.1   | 7.6   | 11    | 10    | 12    | 4.2   | 5.8   | 4.6   | 0.52   | 0.50   | 1.7    |
| 22           | 0.64   | 4.3   | 6.0   | 9.0   | 64    | 9.3   | 4.1   | 2.6   | 1.2   | 0.39   | 0.42   | 1.7    |
| 23           | 0.63   | 4.9   | 6.3   | 10    | 21    | 8.1   | 4.0   | 2.1   | 8.9   | 14     | 3.2    | 1.3    |
| 24           | 1.6    | 5.0   | 6.8   | 8.4   | 13    | 7.2   | 3.9   | 1.5   | 6.7   | 38     | 0.36   | 1.1    |
| 25           | 16     | 5.2   | 4.5   | 7.0   | 10    | 6.5   | 4.0   | 1.4   | 1.3   | 3.2    | 0.63   | 0.92   |
| 26           | 24     | 6.0   | 44    | 6.6   | 44    | 6.2   | 3.4   | 1.3   | 0.31  | 2.0    | 32     | 46     |
| 27           | 9.5    | 5.1   | 12    | 6.3   | 23    | 6.1   | 7.0   | 1.1   | 0.14  | 2.1    | 312    | 101    |
| 28           | 3.8    | 3.5   | 12    | 5.9   | 11    | 6.2   | 211   | 14    | 0.07  | 1.4    | 23     | 13     |
| 29           | 2.4    | 3.1   | 68    | 5.8   | 10    | 5.6   | 76    | 19    | 0.27  | 2.9    | 9.3    | 6.4    |
| 30           | 2.0    | 2.8   | 159   | 7.3   | ---   | 5.7   | 13    | 4.0   | 0.14  | 1.3    | 6.7    | 4.4    |
| 31           | 1.8    | ---   | 76    | 6.4   | ---   | 6.9   | ---   | 2.4   | ---   | 0.88   | 6.4    | ---    |
| <b>Total</b> | 105.44 | 103.6 | 549.6 | 355.7 | 708.6 | 902.6 | 710.6 | 128.2 | 47.91 | 531.36 | 477.88 | 313.22 |
| <b>Mean</b>  | 3.40   | 3.45  | 17.7  | 11.5  | 24.4  | 29.1  | 23.7  | 4.14  | 1.60  | 17.1   | 15.4   | 10.4   |
| <b>Max</b>   | 24     | 6.0   | 159   | 98    | 193   | 181   | 211   | 19    | 8.9   | 131    | 312    | 101    |
| <b>Min</b>   | 0.63   | 1.8   | 2.5   | 4.6   | 5.8   | 5.6   | 3.4   | 1.1   | 0.07  | 0.05   | 0.08   | 0.92   |
| <b>Cfs/m</b> | 0.17   | 0.17  | 0.87  | 0.57  | 1.20  | 1.43  | 1.17  | 0.20  | 0.08  | 0.84   | 0.76   | 0.51   |
| <b>In.</b>   | 0.19   | 0.19  | 1.01  | 0.65  | 1.30  | 1.65  | 1.30  | 0.23  | 0.09  | 0.97   | 0.88   | 0.57   |

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2008, BY WATER YEAR (WY)**

|             | Oct    | Nov    | Dec    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Mean</b> | 3.40   | 3.45   | 17.7   | 11.5   | 24.4   | 29.1   | 23.7   | 4.14   | 1.60   | 17.1   | 15.4   | 10.4   |
| <b>Max</b>  | 3.40   | 3.45   | 17.7   | 11.5   | 24.4   | 29.1   | 23.7   | 4.14   | 1.60   | 17.1   | 15.4   | 10.4   |
| <b>(WY)</b> | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) |
| <b>Min</b>  | 3.40   | 3.45   | 17.7   | 11.5   | 24.4   | 29.1   | 23.7   | 4.14   | 1.60   | 17.1   | 15.4   | 10.4   |
| <b>(WY)</b> | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) | (2008) |

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## SUMMARY STATISTICS

|                          | Water Year 2008   |        |
|--------------------------|-------------------|--------|
| Annual total             | 4,934.71          |        |
| Annual mean              | 13.5              |        |
| Highest daily mean       | 312               | Aug 27 |
| Lowest daily mean        | 0.05              | Jul 3  |
| Annual seven-day minimum | 0.10              | Jun 29 |
| Maximum peak flow        | <sup>a</sup> 433  | Aug 27 |
| Maximum peak stage       | 8.61              | Aug 27 |
| Instantaneous low flow   | <sup>a</sup> 0.04 | Jul 4  |
| Annual runoff (cfsm)     | 0.664             |        |
| Annual runoff (inches)   | 9.04              |        |
| 10 percent exceeds       | 28                |        |
| 50 percent exceeds       | 4.6               |        |
| 90 percent exceeds       | 0.52              |        |

<sup>a</sup>See Remarks.