



2004 Water Year
MOBILE RIVER BASIN

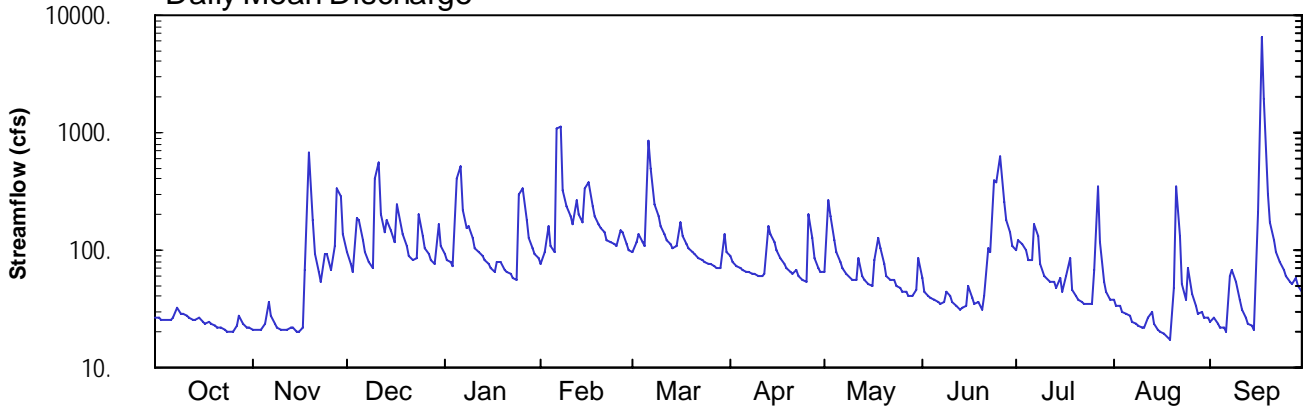
02385800 HOLLY CREEK NEAR CHATSWORTH, GA

Latitude: 34° 43 ' 00"
Murray County

Longitude: 084° 46 ' 12"
Datum: 689.25 feet

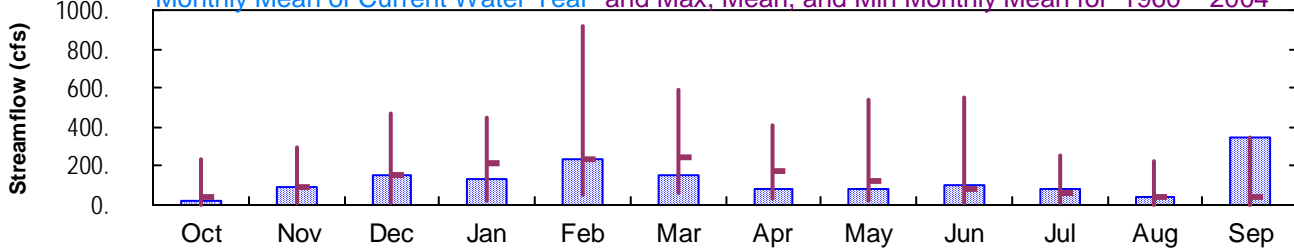
Hydrologic Unit Code: 03150101
Drainage Area: 64. mi²

Daily Mean Discharge

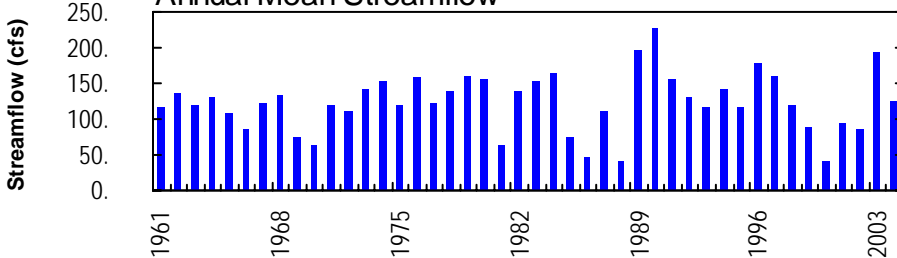


Monthly Statistics

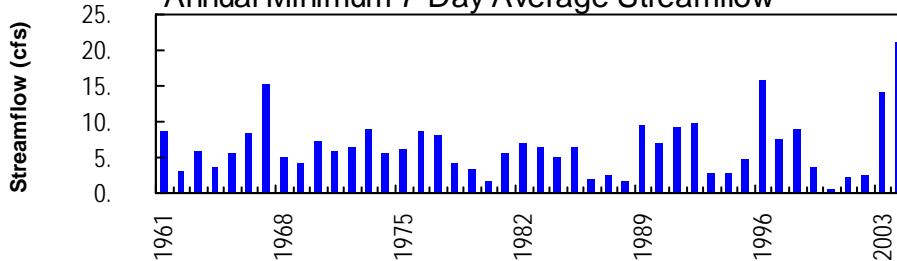
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1960–2004



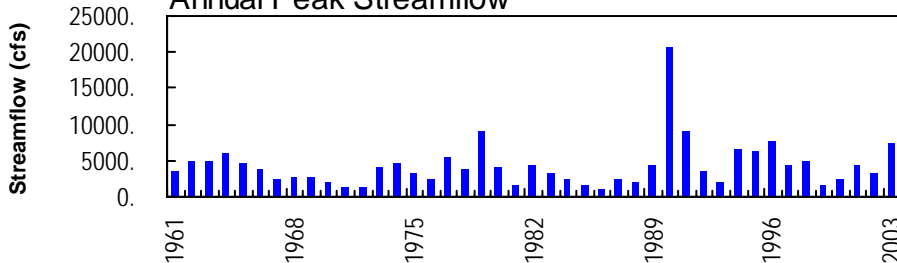
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02385800 - Holly Creek near Chatsworth, GA

**MOBILE RIVER BASIN
2004 Water Year**

02385800 HOLLY CREEK NEAR CHATSWORTH, GA

LOCATION.—Lat 34°43'00", long 84°46'12" referenced to North American Datum (NAD) of 1983, Murray County, Hydrologic Unit 03150101, on right bank 100.0 feet upstream from bridge on Smyrna-Ramhurst Road, 3.0 miles upstream from Rock Creek, and 3.3 miles south of Chatsworth.

DRAINAGE AREA.—64.0 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1960 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 689.25 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair. Low flow affected by withdrawals and return flow by the City of Chatsworth.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,500 cfs and maximum (*):

| DATE | TIME | DISCHARGE (cfs) | GAGE-HEIGHT (feet) |
|-------|------|-----------------|--------------------|
| 02/06 | 2245 | 2,120 | 9.19 |
| 09/17 | 0930 | 9.680* | 12.23* |

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1960 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 689.25 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.23 feet, September 17; minimum gage-height recorded, 1.08 feet, August 20.

**MOBILE RIVER BASIN
2004 Water Year**

02385800 HOLLY CREEK NEAR CHATSWORTH, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 29, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
 LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

Gage height, feet
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 1.43 | 1.30 | 2.60 | 2.53 | 2.31 | 2.34 | 2.23 | 1.91 | 1.78 | 2.39 | 1.55 | 1.28 |
| 2 | 1.42 | 1.30 | 2.32 | 2.40 | 2.53 | 2.59 | 2.11 | 3.91 | 1.55 | 2.64 | 1.48 | 1.32 |
| 3 | 1.39 | 1.30 | 2.15 | 2.34 | 3.27 | 2.86 | 2.05 | 3.45 | 1.49 | 2.53 | 1.46 | 1.27 |
| 4 | 1.40 | 1.29 | 3.47 | 2.27 | 2.75 | 2.59 | 1.99 | 2.66 | 1.46 | 2.38 | 1.39 | 1.23 |
| 5 | 1.40 | 1.36 | 3.51 | 4.87 | 2.59 | 2.49 | 1.94 | 2.32 | 1.41 | 2.18 | 1.36 | 1.22 |
| 6 | 1.40 | 1.62 | 2.88 | 6.00 | 6.68 | 6.65 | 1.92 | 2.12 | 1.38 | 2.13 | 1.34 | 1.18 |
| 7 | 1.43 | 1.44 | 2.57 | 3.84 | 7.78 | 5.87 | 1.91 | 1.97 | 1.36 | 3.13 | 1.29 | 1.86 |
| 8 | 1.55 | 1.36 | 2.37 | 3.28 | 4.68 | 3.94 | 1.89 | 1.87 | 1.38 | 2.77 | 1.25 | 2.07 |
| 9 | 1.46 | 1.32 | 2.23 | 3.32 | 3.80 | 3.40 | 1.86 | 1.79 | 1.54 | 2.07 | 1.23 | 1.84 |
| 10 | 1.47 | 1.30 | 4.85 | 2.97 | 3.42 | 3.08 | 1.82 | 1.78 | 1.48 | 1.84 | 1.22 | 1.54 |
| 11 | 1.46 | 1.30 | 6.21 | 2.70 | 3.17 | 2.83 | 1.83 | 1.76 | 1.38 | 1.74 | 1.22 | 1.41 |
| 12 | 1.43 | 1.31 | 3.74 | 2.58 | 4.07 | 2.69 | 1.86 | 2.19 | 1.32 | 1.73 | 1.33 | 1.32 |
| 13 | 1.40 | 1.32 | 3.13 | 2.47 | 3.52 | 2.56 | 3.04 | 1.83 | 1.29 | 1.71 | 1.40 | 1.27 |
| 14 | 1.40 | 1.31 | 3.50 | 2.39 | 3.23 | 2.45 | 2.84 | 1.75 | 1.29 | 1.60 | 1.27 | 1.24 |
| 15 | 1.43 | 1.29 | 3.16 | 2.33 | 4.61 | 2.47 | 2.63 | 1.70 | 1.33 | 1.80 | 1.21 | 1.21 |
| 16 | 1.38 | 1.29 | 2.86 | 2.23 | 5.11 | 3.20 | 2.40 | 1.66 | 1.66 | 1.55 | 1.18 | 2.55 |
| 17 | 1.36 | 1.32 | 4.12 | 2.17 | 3.85 | 2.77 | 2.20 | 2.03 | 1.45 | 1.75 | 1.18 | 11.06 |
| 18 | 1.37 | 1.88 | 3.38 | 2.37 | 3.41 | 2.55 | 2.07 | 2.68 | 1.36 | 2.16 | 1.16 | 8.53 |
| 19 | 1.35 | 6.82 | 3.05 | 2.36 | 3.17 | 2.45 | 1.99 | 2.44 | 1.39 | 1.58 | 1.13 | 4.51 |
| 20 | 1.34 | --- | 2.74 | 2.19 | 3.01 | 2.34 | 1.93 | 2.05 | 1.27 | 1.47 | 1.51 | 3.39 |
| 21 | 1.32 | 2.52 | 2.51 | 2.14 | 2.87 | 2.29 | 1.89 | 1.84 | 1.41 | 1.41 | 4.88 | 2.87 |
| 22 | 1.32 | 2.14 | 2.40 | 2.10 | 2.68 | 2.21 | 1.93 | 1.75 | 2.44 | 1.38 | 2.88 | 2.59 |
| 23 | 1.30 | 1.95 | 2.42 | 2.05 | 2.58 | 2.17 | 1.82 | 1.75 | 2.29 | 1.36 | 1.81 | 2.40 |
| 24 | 1.29 | 2.50 | 3.68 | 2.02 | 2.53 | 2.12 | 1.77 | 1.65 | 5.26 | 1.35 | 1.57 | 2.26 |
| 25 | 1.29 | 2.54 | 2.98 | 4.23 | 2.48 | 2.08 | 1.74 | 1.60 | 4.90 | 1.36 | 2.14 | 2.15 |
| 26 | 1.28 | 2.20 | 2.70 | 4.83 | 2.93 | 2.05 | 3.45 | 1.56 | 6.40 | 1.88 | 1.66 | 2.07 |
| 27 | 1.35 | 2.64 | 2.53 | 3.47 | 2.86 | 2.03 | 2.69 | 1.53 | 4.02 | 4.81 | 1.47 | 2.03 |
| 28 | 1.44 | 4.87 | 2.41 | 2.94 | 2.53 | 2.00 | 2.19 | 1.49 | 3.26 | 2.67 | 1.38 | 2.15 |
| 29 | 1.35 | 4.44 | 2.31 | 2.68 | 2.40 | 1.97 | 2.00 | 1.49 | 2.89 | 1.87 | 1.40 | 1.99 |
| 30 | 1.33 | 3.07 | 3.31 | 2.56 | --- | 2.78 | 1.90 | 1.58 | 2.50 | 1.70 | 1.33 | 1.89 |
| 31 | 1.31 | --- | 2.76 | 2.42 | --- | 2.35 | --- | 2.15 | --- | 1.57 | 1.33 | --- |
| MEAN | 1.38 | --- | 3.06 | 2.87 | 3.48 | 2.78 | 2.13 | 2.01 | 2.13 | 2.02 | 1.55 | 2.46 |
| MAX | 1.55 | --- | 6.21 | 6.00 | 7.78 | 6.65 | 3.45 | 3.91 | 6.40 | 4.81 | 4.88 | 11.06 |
| MIN | 1.28 | --- | 2.15 | 2.02 | 2.31 | 1.97 | 1.74 | 1.49 | 1.27 | 1.35 | 1.13 | 1.18 |

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 LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

Precipitation, total, inches
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY SUM VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | --- | --- | 0.00 |
| 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.42 | 0.00 | 0.82 | 0.00 | --- | --- | 0.08 |
| 3 | 0.01 | 0.00 | 0.29 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- | 0.00 |
| 4 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | --- | 0.00 |
| 5 | 0.00 | 0.60 | 0.01 | 1.12 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | --- | --- | 0.00 |
| 6 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.02 | 0.00 | --- | 0.00 | --- | --- | 0.00 |
| 7 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 0.00 | 0.07 | --- | 0.98 |
| 8 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | --- | 0.00 | 0.01 | --- | 0.00 |
| 9 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | --- | 0.02 | 0.00 | --- | 0.00 |
| 10 | 0.20 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 0.00 | 0.00 | --- | 0.00 |
| 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | --- | 0.00 |
| 12 | 0.00 | 0.11 | 0.00 | 0.00 | 0.44 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | --- | 0.00 |
| 13 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.03 | 0.00 | --- | 0.00 |
| 14 | 0.05 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | --- | 0.00 |
| 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.19 | 0.00 | 0.00 | 0.49 | 0.00 | --- | 0.00 |
| 16 | 0.00 | 0.02 | 0.35 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.23 | 0.00 | --- | 4.18 |
| 17 | 0.04 | 0.01 | 0.06 | 0.06 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.56 | --- | 0.61 |
| 18 | 0.00 | --- | 0.05 | 0.19 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | --- | 0.00 |
| 19 | 0.00 | --- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 0.00 |
| 20 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 0.00 |
| 21 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | --- | 0.00 |
| 22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | --- | 0.00 |
| 23 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | --- | 0.00 |
| 24 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 0.00 | 0.01 | 0.00 |
| 25 | 0.00 | 0.00 | 0.00 | 1.49 | 0.03 | 0.00 | --- | 0.00 | --- | 0.31 | --- | 0.00 |
| 26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | --- | 0.00 | --- | --- | 0.00 | 0.00 |
| 27 | 0.19 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | --- | --- | 0.00 | 0.01 |
| 28 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | --- | --- | 0.06 | 0.00 |
| 29 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | --- | --- | 0.00 | 0.00 |
| 30 | 0.00 | 0.00 | 0.14 | 0.00 | --- | 0.98 | 0.00 | 0.11 | --- | --- | 0.01 | 0.00 |
| 31 | 0.00 | --- | 0.00 | 0.00 | --- | 0.13 | --- | 0.66 | --- | --- | 0.00 | --- |
| TOTAL | 0.50 | --- | 4.03 | 2.97 | 4.23 | 3.21 | --- | --- | --- | --- | --- | 5.86 |