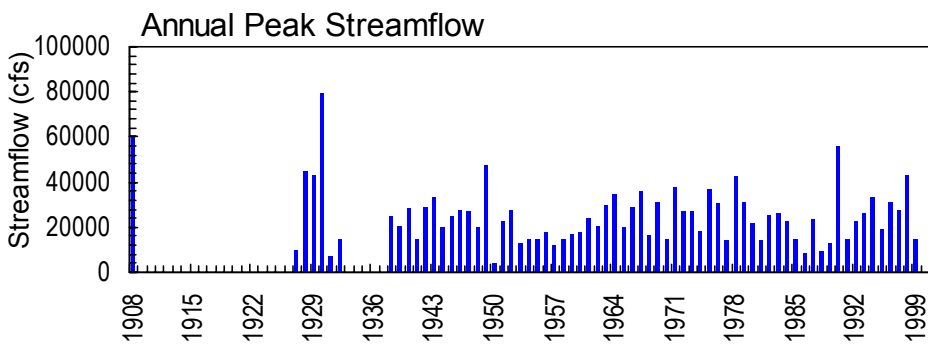
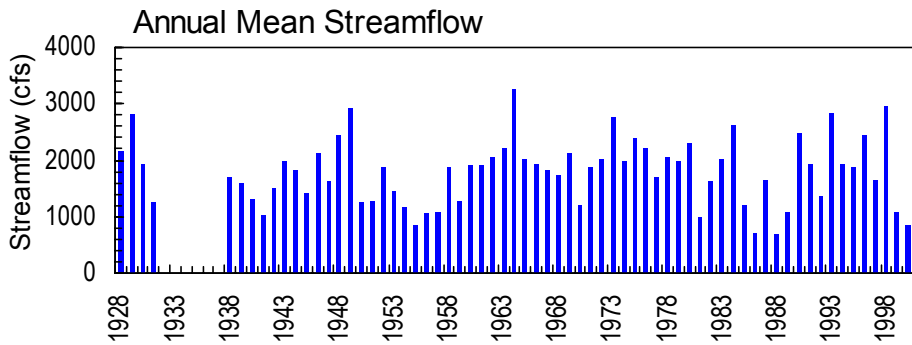
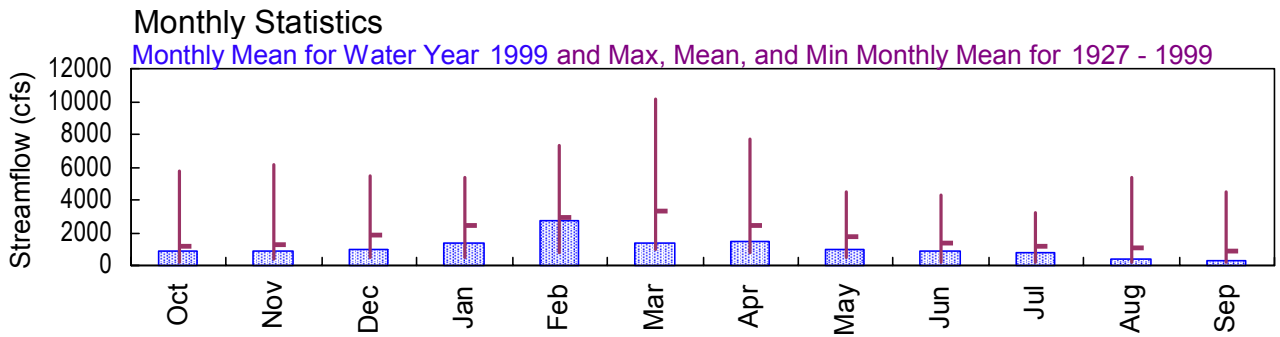
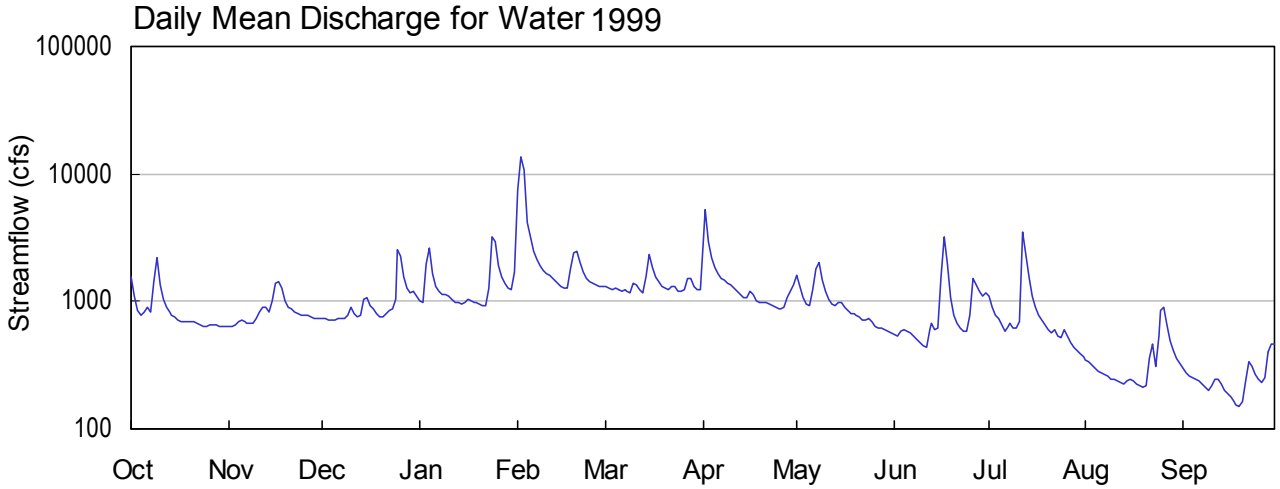


SAVANNAH RIVER BASIN
 BROAD RIVER NEAR BELL, GA.

02192000

Latitude: 33° 58' 27" Longitude: 82° 46' 12" Hydrologic Unit Code: 03060104 Elbert County
 Drainage Area: 1430.0 mi² Datum: 357.1 feet Period of Record: 1927 - 1999



SAVANNAH RIVER BASIN
1999 Water Year

02192000 BROAD RIVER NEAR BELL, GA.

LOCATION.--Lat 33°58'27", long 82°46'12", Elbert-Wilkes County line, Hydrologic Unit 03060104, at downstream side of main channel pier of bridge on State Highway 17, 0.5 miles downstream from Long Creek, 1 mile south of Bells Crossroads, and 12 miles southeast of Elberton.

DRAINAGE AREA.--1,430 mi², approximately.

PERIOD OF RECORD.--October 1926 to September 1932, August 1937 to current year. Monthly discharge only for October 1926, August to September 1932, published in WSP 1303.

REVISED RECORDS.--WSP 1172: 1928-30. WSP 1383: Drainage area.

GAGE.—Satellite transmitter. Datum of gage is 357.16 feet above sea level. Prior to October 1928, non-recording gage located at railroad bridge about 1 mile downstream at datum 1.12 feet lower. From October 1928 to July 1932, and August 1937 to January 1939, non-recording gage located at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the 1970-79 water years are in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

| DATE | TIME | DISCHARGE (ft ³ /s) | GAGE HEIGHT (ft) |
|--------|------|--------------------------------|------------------|
| Feb. 2 | 2100 | 14,800* | 17.94* |

STATION NUMBER 02192000 BROAD RIVER NEAR BELL, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 335827 LONGITUDE 0824612 DRAINAGE AREA 1430.00 DATUM 357.16 STATE 13 COUNTY 105

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|------|------|------|------|-------|------|------|------|------|------|-----|-----|
| 1 | 1550 | 635 | 725 | 1000 | 7340 | 1320 | 3170 | 1590 | 544 | 1100 | 346 | 296 |
| 2 | 1090 | 633 | 725 | 973 | 13800 | 1260 | 5270 | 1300 | 534 | 896 | 336 | 272 |
| 3 | 855 | 659 | 721 | 1970 | 10700 | 1230 | 2950 | 1070 | 589 | 770 | 316 | 260 |
| 4 | 776 | 703 | 721 | 2620 | 4140 | 1290 | 2210 | 962 | 600 | 737 | 297 | 251 |
| 5 | 824 | 712 | 719 | 1670 | 3200 | 1220 | 1860 | 934 | 591 | 652 | 281 | 242 |
| 6 | 898 | 690 | 725 | 1320 | 2490 | 1190 | 1640 | 1230 | 574 | 591 | 274 | 237 |
| 7 | 829 | 676 | 732 | 1200 | 2130 | 1220 | 1530 | 1820 | 528 | 645 | 269 | 226 |
| 8 | 1410 | 671 | 734 | 1140 | 1920 | 1190 | 1460 | 2010 | 499 | 673 | 258 | 212 |
| 9 | 2220 | 682 | 783 | 1140 | 1740 | 1180 | 1390 | 1470 | 476 | 625 | 247 | 202 |
| 10 | 1340 | 741 | 901 | 1110 | 1630 | 1380 | 1340 | 1210 | 451 | 614 | 243 | 216 |
| 11 | 1040 | 819 | 804 | 1050 | 1590 | 1350 | 1280 | 1050 | 436 | 699 | 239 | 248 |
| 12 | 887 | 908 | 754 | 993 | 1540 | 1230 | 1210 | 959 | 602 | 3450 | 232 | 247 |
| 13 | 818 | 905 | 786 | 969 | 1460 | 1180 | 1120 | 932 | 681 | 2340 | 224 | 224 |
| 14 | 781 | 824 | 1040 | 954 | 1370 | 1580 | 1080 | 976 | 595 | 1560 | 241 | 201 |
| 15 | 747 | 1020 | 1080 | 968 | 1300 | 2310 | 1080 | 968 | 621 | 1110 | 243 | 187 |
| 16 | 716 | 1380 | 930 | 1030 | 1280 | 1860 | 1190 | 892 | 1560 | 890 | 235 | 179 |
| 17 | 699 | 1440 | 866 | 1020 | 1270 | 1550 | 1130 | 846 | 3230 | 771 | 223 | 163 |
| 18 | 691 | 1270 | 802 | 987 | 1780 | 1410 | 1020 | 804 | 1990 | 707 | 216 | 154 |
| 19 | 688 | 1010 | 761 | 990 | 2390 | 1320 | 980 | 792 | 1060 | 660 | 215 | 150 |
| 20 | 687 | 912 | 760 | 949 | 2460 | 1260 | 976 | 771 | 788 | 606 | 221 | 163 |
| 21 | 690 | 869 | 803 | 916 | 2010 | 1240 | 985 | 753 | 678 | 570 | 353 | 241 |
| 22 | 679 | 833 | 837 | 914 | 1690 | 1300 | 964 | 719 | 626 | 605 | 458 | 336 |
| 23 | 658 | 795 | 868 | 1270 | 1520 | 1300 | 928 | 722 | 591 | 527 | 313 | 305 |
| 24 | 640 | 781 | 1030 | 3240 | 1440 | 1210 | 906 | 734 | 588 | 525 | 530 | 268 |
| 25 | 644 | 784 | 2510 | 2910 | 1400 | 1190 | 880 | 692 | 768 | 598 | 847 | 243 |
| 26 | 651 | 771 | 2250 | 1930 | 1360 | 1230 | 864 | 644 | 1510 | 536 | 906 | 229 |
| 27 | 656 | 757 | 1570 | 1560 | 1320 | 1530 | 892 | 626 | 1350 | 475 | 656 | 254 |
| 28 | 650 | 741 | 1280 | 1390 | 1310 | 1510 | 1070 | 616 | 1190 | 435 | 496 | 404 |
| 29 | 645 | 732 | 1170 | 1280 | --- | 1310 | 1190 | 596 | 1100 | 411 | 411 | 464 |
| 30 | 638 | 725 | 1200 | 1240 | --- | 1240 | 1340 | 576 | 1170 | 386 | 361 | 469 |
| 31 | 639 | --- | 1100 | 1700 | --- | 1240 | --- | 559 | --- | 365 | 327 | --- |

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| TOTAL | 26736 | 25078 | 30687 | 42403 | 77580 | 41830 | 43905 | 29823 | 26520 | 25529 | 10814 | 7543 |
| MEAN | 862 | 836 | 990 | 1368 | 2771 | 1349 | 1464 | 962 | 884 | 824 | 349 | 251 |
| MAX | 2220 | 1440 | 2510 | 3240 | 13800 | 2310 | 5270 | 2010 | 3230 | 3450 | 906 | 469 |
| MIN | 638 | 633 | 719 | 914 | 1270 | 1180 | 864 | 559 | 436 | 365 | 215 | 150 |
| CFSM | .60 | .58 | .69 | .96 | 1.94 | .94 | 1.02 | .67 | .62 | .58 | .24 | .18 |
| IN. | .70 | .65 | .80 | 1.10 | 2.02 | 1.09 | 1.14 | .78 | .69 | .66 | .28 | .20 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1999, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| MEAN | 1122 | 1282 | 1820 | 2478 | 2914 | 3287 | 2477 | 1758 | 1385 | 1178 | 1084 | 889 |
| MAX | 5768 | 6158 | 5506 | 5373 | 7319 | 10130 | 7718 | 4496 | 4279 | 3171 | 5319 | 4472 |
| (WY) | 1930 | 1949 | 1984 | 1974 | 1998 | 1929 | 1964 | 1964 | 1967 | 1938 | 1928 | 1929 |
| MIN | 148 | 392 | 455 | 506 | 803 | 970 | 766 | 511 | 238 | 162 | 212 | 158 |
| (WY) | 1955 | 1982 | 1956 | 1956 | 1989 | 1988 | 1986 | 1941 | 1988 | 1986 | 1988 | 1954 |

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1927 - 1999

| | | | |
|--------------------------|-------------|-------------|------------------|
| ANNUAL TOTAL | 952018 | 388448 | |
| ANNUAL MEAN | 2608 | 1064 | 1806 |
| HIGHEST ANNUAL MEAN | | | 3261 1964 |
| LOWEST ANNUAL MEAN | | | 692 1988 |
| HIGHEST DAILY MEAN | 41400 Feb 5 | 13800 Feb 2 | 70600 Oct 2 1929 |
| LOWEST DAILY MEAN | 583 Sep 19 | 150 Sep 19 | 96 Jul 23 1986 |
| ANNUAL SEVEN-DAY MINIMUM | 595 Sep 15 | 171 Sep 14 | 106 Jul 19 1986 |
| INSTANTANEOUS PEAK FLOW | | 14800 Feb 2 | 79400 Oct 2 1929 |
| INSTANTANEOUS PEAK STAGE | | 17.94 Feb 2 | 34.80 Oct 2 1929 |
| ANNUAL RUNOFF (CFSM) | 1.82 | .74 | 1.26 |
| ANNUAL RUNOFF (INCHES) | 24.77 | 10.11 | 17.16 |
| 10 PERCENT EXCEEDS | 5140 | 1680 | 3150 |
| 50 PERCENT EXCEEDS | 1420 | 866 | 1150 |
| 90 PERCENT EXCEEDS | 680 | 269 | 515 |

STATISTICS COMPUTED BY: darrelle

DATE: 04/10/2000 AT: 14:30:23