



2005 Water Year  
CONODOGUINET CREEK BASIN  
01570000 Conodoguinet Creek near Hogestown, PA

Latitude: 40° 15 ' 08"

Longitude: 077° 01 ' 16"

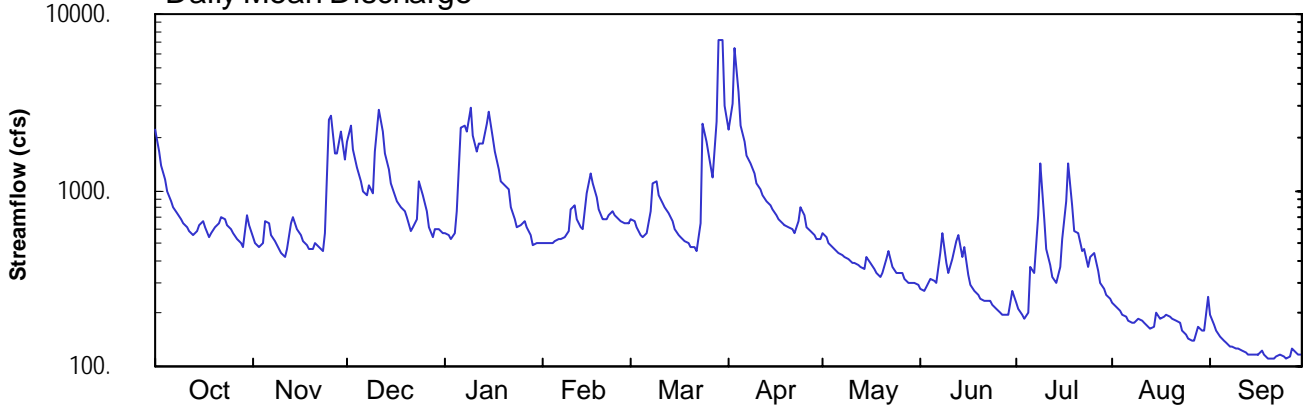
Hydrologic Unit Code: 02050305

Cumberland County

Datum: 351.00 feet

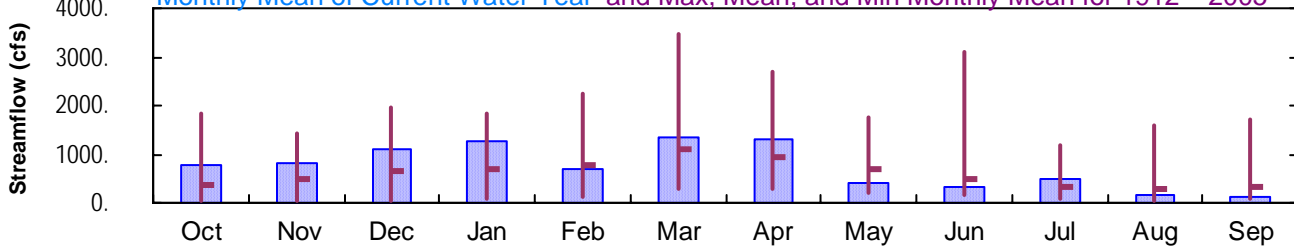
Drainage Area: 470. mi<sup>2</sup>

### Daily Mean Discharge

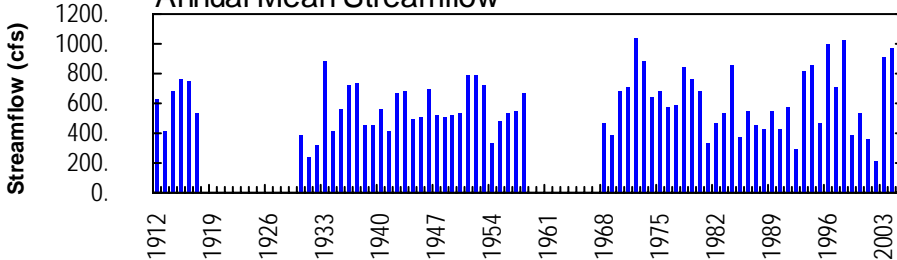


### Monthly Statistics

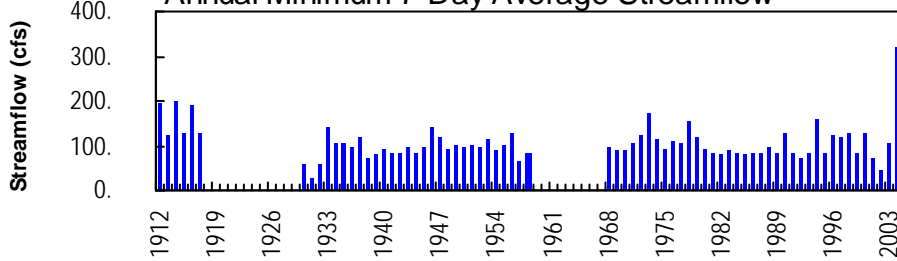
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1912 – 2005



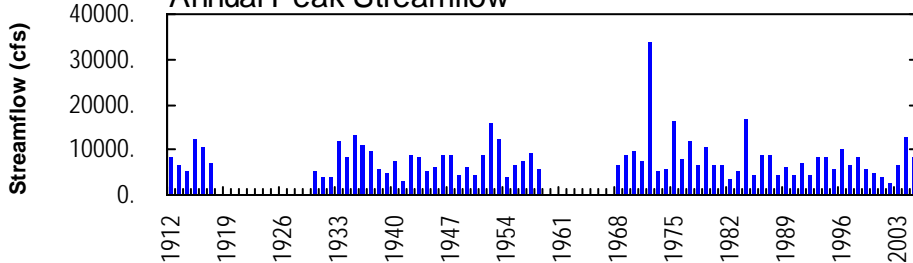
### Annual Mean Streamflow



### Annual Minimum 7-Day Average Streamflow



### Annual Peak Streamflow



01570000-Conodoguinet Creek near Hogestown

## CONODOGUINET CREEK BASIN

## 01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA

**LOCATION.**--Lat 40°15'08", long 77°01'17", Cumberland County, Hydrologic Unit 02050305, on left bank 1,000 ft upstream from highway bridge on Township Route 596 (Sample Bridge Road), 0.4 mi downstream from Hogestown Run, and 1.0 mi northeast of Hogestown.

**DRAINAGE AREA.**--470 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1911 to September 1917, October 1929 to September 1958, July 1967 to current year. October 1917 to December 1919 (gage heights and discharge measurements only), in reports of Water Supply Commission of Pennsylvania. Published as "at Brysons Bridge" 1912-17.

**REVISED RECORDS.**--WSP 1722: 1913, 1917.

**GAGE.**--Water-stage recorder. Datum of gage is 351.00 ft above National Geodetic Vertical Datum of 1929. Prior to December 1919, nonrecording gage at site 2 mi downstream at different datum. Oct. 1, 1929, to Aug. 3, 1931, nonrecording gage at site 1,000 ft downstream at present datum.

**REMARKS.**--Records good except those for estimated daily discharges, which are fair. Since June 1969 the Pennsylvania American Water Co. has diverted water upstream from station for municipal supply. Diversion for the year was equivalent to a mean daily discharge of 9.6 ft<sup>3</sup>/s. Satellite and landline telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 4,000 ft<sup>3</sup>/s and maximum (\*):

| Date    | Time | Discharge<br>ft <sup>3</sup> /s | Gage Height<br>(ft) | Date   | Time | Discharge<br>ft <sup>3</sup> /s | Gage Height<br>(ft) |
|---------|------|---------------------------------|---------------------|--------|------|---------------------------------|---------------------|
| Mar. 29 | 2315 | *8,180                          | *9.33               | Apr. 3 | 1130 | 6,670                           | 8.42                |

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

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN  | JUL   | AUG  | SEP  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| 1     | 2210  | 549   | 1880  | 570   | e500  | 678   | 2200  | 571   | 276  | 230   | 230  | 199  |
| 2     | 1640  | 507   | 2340  | 559   | e500  | 672   | 3140  | 547   | 266  | 210   | 218  | 172  |
| 3     | 1380  | 479   | 1690  | 530   | 503   | 614   | 6350  | 502   | 280  | 195   | 208  | 160  |
| 4     | 1140  | 499   | 1350  | 578   | 504   | 555   | 3640  | 476   | 313  | 187   | 199  | 148  |
| 5     | 988   | 660   | 1140  | 767   | 512   | 547   | 2330  | 454   | 309  | 201   | 191  | 140  |
| 6     | 873   | 648   | 982   | 2280  | 523   | 578   | 1870  | 440   | 295  | 370   | 182  | 136  |
| 7     | 803   | 551   | 943   | 2340  | 530   | 762   | 1590  | 431   | 442  | 339   | 176  | 130  |
| 8     | 741   | 509   | 1070  | 2170  | 546   | 1090  | 1430  | 419   | 578  | 725   | 177  | 128  |
| 9     | 691   | 468   | 958   | 2930  | 591   | 1120  | 1260  | 405   | 388  | 1400  | 185  | 127  |
| 10    | 654   | 441   | 1660  | 2070  | 786   | 929   | 1110  | 391   | 343  | 687   | 184  | 127  |
| 11    | 616   | 422   | 2870  | 1650  | 823   | 849   | 1020  | 385   | 407  | 467   | 178  | 124  |
| 12    | 584   | 469   | 2170  | 1860  | 678   | 804   | 929   | 379   | 515  | 376   | 170  | 120  |
| 13    | 559   | 657   | 1610  | 1850  | 623   | 746   | 872   | 363   | 550  | 324   | 164  | 118  |
| 14    | 582   | 702   | 1310  | 2420  | 604   | 665   | 825   | 353   | 416  | 299   | 167  | 118  |
| 15    | 632   | 603   | 1090  | 2780  | 951   | 606   | 772   | 420   | 477  | 367   | 204  | 117  |
| 16    | 662   | 553   | 939   | 1980  | 1250  | 561   | 723   | 388   | 334  | 534   | 184  | 117  |
| 17    | 616   | 520   | 863   | 1640  | 1090  | 536   | 685   | 356   | 292  | 867   | 194  | 122  |
| 18    | 540   | 492   | 811   | 1320  | 922   | 518   | 658   | 340   | 272  | 1400  | 197  | 116  |
| 19    | 572   | 466   | 755   | 1120  | 772   | 497   | 638   | 322   | 256  | 815   | 194  | 112  |
| 20    | 621   | 465   | 695   | 1060  | 693   | 479   | 626   | 340   | 244  | 587   | 188  | 111  |
| 21    | 651   | 499   | e580  | 1000  | 679   | 471   | 602   | 408   | 235  | 571   | 182  | 110  |
| 22    | 707   | 478   | 613   | e800  | 725   | 456   | 578   | 452   | 234  | 454   | 176  | 114  |
| 23    | 687   | 449   | 687   | e680  | 765   | 655   | 669   | 367   | 234  | 465   | 161  | 117  |
| 24    | 640   | 574   | 1130  | e620  | 715   | 2400  | 811   | 344   | 223  | 371   | 150  | 114  |
| 25    | 604   | 2520  | 943   | e640  | 685   | 1880  | 727   | 342   | 211  | 418   | 145  | 110  |
| 26    | 572   | 2630  | 751   | e660  | 664   | 1380  | 619   | 341   | 202  | 446   | 140  | 114  |
| 27    | 532   | 1620  | e620  | e620  | 650   | 1180  | 579   | 318   | 198  | 349   | 140  | 126  |
| 28    | 499   | 1610  | e540  | e560  | 651   | 2450  | 553   | 301   | 196  | 302   | 170  | 120  |
| 29    | 476   | 2140  | 609   | e490  | ---   | 7090  | 523   | 298   | 198  | 277   | 160  | 115  |
| 30    | 713   | 1510  | 604   | e500  | ---   | 7200  | 534   | 295   | 270  | 258   | 160  | 118  |
| 31    | 638   | ---   | 576   | e500  | ---   | 3040  | ---   | 288   | ---  | 245   | 249  | ---  |
| TOTAL | 23823 | 24690 | 34779 | 39544 | 19435 | 42008 | 38863 | 12036 | 9454 | 14736 | 5623 | 3800 |
| MEAN  | 768   | 823   | 1122  | 1276  | 694   | 1355  | 1295  | 388   | 315  | 475   | 181  | 127  |
| MAX   | 2210  | 2630  | 2870  | 2930  | 1250  | 7200  | 6350  | 571   | 578  | 1400  | 249  | 199  |
| MIN   | 476   | 422   | 540   | 490   | 500   | 456   | 523   | 288   | 196  | 187   | 140  | 110  |
| CFSM  | 1.64  | 1.75  | 2.39  | 2.71  | 1.48  | 2.88  | 2.76  | 0.83  | 0.67 | 1.01  | 0.39 | 0.27 |
| IN.   | 1.89  | 1.95  | 2.75  | 3.13  | 1.54  | 3.32  | 3.08  | 0.95  | 0.75 | 1.17  | 0.45 | 0.30 |

## STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 361  | 485  | 657  | 707  | 792  | 1087 | 948  | 683  | 498  | 329  | 301  | 324  |
| MAX  | 1838 | 1436 | 1940 | 1850 | 2257 | 3463 | 2693 | 1753 | 3120 | 1184 | 1584 | 1717 |
| (WY) | 1977 | 1971 | 1997 | 1996 | 1984 | 1994 | 1993 | 1998 | 1972 | 1989 | 1915 | 2004 |
| MIN  | 55.1 | 53.4 | 57.3 | 83.5 | 133  | 287  | 268  | 194  | 148  | 77.0 | 60.0 | 68.0 |
| (WY) | 1931 | 1931 | 1931 | 1931 | 2002 | 1931 | 1915 | 1941 | 1991 | 2002 | 2002 | 1932 |

e Estimated.

CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |           | FOR PERIOD OF DAILY RECORD |             |
|--------------------------|------------------------|--------|---------------------|-----------|----------------------------|-------------|
| ANNUAL TOTAL             | 346589                 |        | 268791              |           |                            |             |
| ANNUAL MEAN              | 947                    |        | 736                 |           | 597                        |             |
| HIGHEST ANNUAL MEAN      |                        |        |                     |           | 1045                       | 1972        |
| LOWEST ANNUAL MEAN       |                        |        |                     |           | 212                        | 2002        |
| HIGHEST DAILY MEAN       | 11200                  | Sep 19 | 7200                | Mar 30    | 24500                      | Jun 23 1972 |
| LOWEST DAILY MEAN        | 301                    | Jul 6  | 110                 | Sep 21,25 | 26                         | Dec 23 1930 |
| ANNUAL SEVEN-DAY MINIMUM | 324                    | Jul 1  | 113                 | Sep 19    | 27                         | Dec 19 1930 |
| MAXIMUM PEAK FLOW        |                        |        | 8180                | Mar 29    | <b>a</b> 33700             | Jun 23 1972 |
| MAXIMUM PEAK STAGE       |                        |        | 9.33                | Mar 29    | <b>b</b> 17.01             | Jun 23 1972 |
| INSTANTANEOUS LOW FLOW   |                        |        | 102                 | Sep 21    | 24                         | Dec 16 1930 |
| ANNUAL RUNOFF (CFSM)     | 2.01                   |        | 1.57                |           | 1.27                       |             |
| ANNUAL RUNOFF (INCHES)   | 27.43                  |        | 21.27               |           | 17.26                      |             |
| 10 PERCENT EXCEEDS       | 1630                   |        | 1610                |           | 1270                       |             |
| 50 PERCENT EXCEEDS       | 687                    |        | 547                 |           | 351                        |             |
| 90 PERCENT EXCEEDS       | 405                    |        | 166                 |           | 118                        |             |

**a** From rating curve extended above 27,100 ft<sup>3</sup>/s.  
**b** From floodmark in gage.

