

### Minimum Daily Mean Streamflow by Month

**Lat = 41 19 28    West Branch Susquehanna River at Renovo, PA    Lon = 77 45 03**  
**Flood Stage = 16 ft    Period of Record 1907 - 2006    Floods = INC**

| YEAR | Minimum daily mean streamflow by month, in ft <sup>3</sup> /s |         |         |         |         |         |         |         |         |       |       |       |
|------|---|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|
|      | Jan   | Feb     | Mar     | Apr     | May     | Jun     | Jul     | Aug     | Sep     | Oct   | Nov   | Dec   |
| 1907 | missing   | missing | missing | missing | missing | missing | missing | missing | missing | 790   | 2,150 | 1,450 |
| 1908 | 2,490   | 2,490   | 2,850   | 4,460   | 4,930   | 1,000   | 540     | 230     | 100     | 155   | 125   | 80    |
| 1909 | 560   | 1,200   | 3,230   | 4,460   | 2,150   | 2,150   | 470     | 210     | 140     | 112   | 230   | 190   |
| 1910 | 250   | 1,000   | 4,930   | 1,830   | 1,990   | 1,250   | 400     | 190     | 190     | 280   | 400   | 650   |
| 1911 | 3,230   | 2,490   | 2,670   | 5,440   | 1,830   | 1,000   | 540     | 230     | 1,680   | 2,850 | 2,150 | 2,490 |
| 1912 | 3,000   | 2,000   | 2,850   | 3,520   | 2,560   | 510     | 410     | 400     | 1,530   | 1,830 | 2,670 | 1,250 |
| 1913 | 5,710   | 2,670   | 3,040   | 2,320   | 1,680   | 1,250   | 1,000   | 131     | 105     | 292   | 2,530 | 2,270 |
| 1914 | 2,700   | 3,120   | 2,270   | 6,810   | 2,240   | 644     | 328     | 265     | 152     | 140   | 245   | 449   |
| 1915 | 1,200   | 4,790   | 3,250   | 1,990   | 1,880   | 956     | 1,770   | 1,180   | 790     | 840   | 1,180 | 1,050 |
| 1916 | 5,980   | 2,600   | 2,400   | 7,100   | 2,460   | 4,120   | 800     | 325     | 390     | 285   | 655   | 580   |
| 1917 | 1,700   | 1,150   | 3,500   | 2,150   | 2,000   | 1,860   | 2,150   | 1,060   | 474     | 516   | 1,000 | 680   |
| 1918 | 710   | 680     | 2,950   | 2,460   | 2,780   | 1,860   | 404     | 390     | 800     | 1,460 | 2,300 | 1,860 |
| 1919 | 2,620   | 1,460   | 3,910   | 2,950   | 3,130   | 1,000   | 610     | 439     | 570     | 610   | 2,460 | 1,860 |
| 1920 | 1,200   | 900     | 1,000   | 4,120   | 1,860   | 1,220   | 602     | 570     | 610     | 655   | 900   | 3,320 |
| 1921 | 1,700   | 2,620   | 4,350   | 3,130   | 2,300   | 610     | 546     | 594     | 578     | 1,060 | 1,590 | 2,950 |
| 1922 | 2,200   | 2,200   | 3,510   | 2,950   | 2,300   | 1,280   | 578     | 570     | 538     | 538   | 538   | 460   |
| 1923 | 1,100   | 2,200   | 3,200   | 2,000   | 2,620   | 554     | 230     | 290     | 260     | 169   | 300   | 3,320 |
| 1924 | 1,900   | 1,700   | 1,700   | 5,370   | 5,650   | 2,150   | 1,060   | 610     | 610     | 600   | 400   | 348   |
| 1925 | 800   | 950     | 3,920   | 1,910   | 2,530   | 680     | 570     | 257     | 183     | 226   | 902   | 1,000 |
| 1926 | 950   | 2,200   | 2,200   | 2,710   | 950     | 902     | 585     | 600     | 1,330   | 2,900 | 3,920 | 2,200 |
| 1927 | 1,200   | 5,300   | 5,300   | 3,300   | 3,500   | 1,330   | 578     | 585     | 252     | 248   | 1,580 | 3,100 |
| 1928 | 2,530   | 2,600   | 2,710   | 6,060   | 2,200   | 1,910   | 2,050   | 950     | 436     | 319   | 765   | 1,300 |
| 1929 | 1,400   | 1,200   | 6,590   | 5,300   | 6,060   | 902     | 640     | 222     | 176     | 305   | 2,080 | 1,640 |
| 1930 | 1,940   | 1,520   | 3,920   | 3,920   | 1,470   | 1,090   | 265     | 122     | 128     | 117   | 117   | 152   |
| 1931 | 132   | 270     | 899     | 2,710   | 4,140   | 968     | 620     | 367     | 285     | 260   | 227   | 913   |
| 1932 | 2,980   | 2,300   | 1,550   | 2,380   | 1,520   | 861     | 524     | 209     | 103     | 175   | 825   | 610   |
| 1933 | 2,010   | 2,200   | 2,300   | 3,180   | 2,890   | 1,030   | 420     | 290     | 402     | 331   | 439   | 850   |
| 1934 | 2,230   | 400     | 450     | 2,540   | 880     | 518     | 175     | 300     | 241     | 437   | 1,270 | 1,860 |
| 1935 | 2,600   | 1,400   | 5,870   | 2,560   | 1,720   | 669     | 1,060   | 651     | 343     | 311   | 590   | 1,200 |
| 1936 | 1,450   | 1,100   | 9,000   | 2,870   | 1,400   | 780     | 188     | 282     | 236     | 635   | 1,250 | 1,000 |
| 1937 | 6,950   | 2,230   | 2,570   | 3,370   | 3,050   | 1,390   | 710     | 386     | 404     | 378   | 2,090 | 1,300 |
| 1938 | 1,600   | 4,560   | 3,740   | 3,740   | 2,420   | 1,130   | 637     | 188     | 171     | 201   | 248   | 360   |
| 1939 | 350   | 5,180   | 5,300   | 3,820   | 1,270   | 694     | 297     | 101     | 96      | 171   | 511   | 504   |
| 1940 | 620   | 590     | 1,630   | 6,050   | 2,840   | 1,780   | 832     | 320     | 392     | 335   | 683   | 2,220 |
| 1941 | 2,100   | 1,680   | 1,600   | 2,650   | 762     | 468     | 465     | 250     | 193     | 184   | 651   | 902   |
| 1942 | 2,000   | 1,800   | 1,900   | 2,560   | 1,960   | 790     | 445     | 643     | 479     | 651   | 3,220 | 1,300 |
| 1943 | 3,220   | 3,100   | 2,900   | 2,220   | 6,350   | 990     | 486     | 276     | 144     | 162   | 870   | 560   |
| 1944 | 920   | 1,450   | 3,430   | 5,590   | 3,860   | 1,660   | 425     | 245     | 274     | 500   | 710   | 1,150 |
| 1945 | 1,700   | 1,350   | 6,400   | 4,570   | 4,210   | 1,470   | 793     | 462     | 342     | 2,020 | 2,950 | 2,100 |
| 1946 | 2,000   | 1,300   | 5,200   | 1,690   | 1,380   | 4,210   | 900     | 692     | 362     | 648   | 1,510 | 1,400 |
| 1947 | 4,000   | 1,550   | 1,350   | 4,560   | 5,410   | 1,440   | 961     | 692     | 564     | 329   | 500   | 1,450 |
| 1948 | 1,150   | 980     | 3,500   | 5,540   | 3,680   | 1,650   | 961     | 540     | 262     | 234   | 369   | 2,350 |
| 1949 | 5,160   | 3,390   | 3,020   | 5,800   | 1,560   | 624     | 372     | 173     | 309     | 295   | 480   | 1,050 |
| 1950 | 4,790   | 4,500   | 3,100   | 3,790   | 3,200   | 1,190   | 932     | 614     | 862     | 564   | 2,790 | 2,500 |
| 1951 | 3,500   | 4,440   | 5,160   | 5,410   | 2,980   | 1,640   | 1,220   | 271     | 217     | 200   | 380   | 1,290 |
| 1952 | 3,660   | 2,440   | 2,260   | 4,410   | 2,700   | 598     | 281     | 247     | 213     | 209   | 209   | 956   |
| 1953 | 1,050   | 3,360   | 3,980   | 6,100   | 4,410   | 1,140   | 456     | 270     | 220     | 229   | 234   | 494   |
| 1954 | 540   | 860     | 3,980   | 5,100   | 1,770   | 1,190   | 367     | 330     | 229     | 286   | 1,420 | 2,350 |
| 1955 | 1,250   | 1,600   | 6,240   | 2,980   | 1,000   | 606     | 361     | 265     | 168     | 367   | 2,020 | 1,550 |
| 1956 | 920   | 1,900   | 5,710   | 6,380   | 4,190   | 3,070   | 3,160   | 1,940   | 1,580   | 1,130 | 1,940 | 2,150 |
| 1957 | 1,600   | 3,220   | 4,180   | 7,550   | 2,020   | 792     | 357     | 193     | 152     | 197   | 276   | 320   |

**Drainage Area = 2,975 sq mi**  
**Gage Datum = 634.19 ft MSL**

**West Branch Susquehanna Basin**  
**Clinton County**

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| YEAR | Minimum daily mean streamflow by month, in ft <sup>3</sup> /s |         |         |         |         |         |         |         |         |         |         |         |
|------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|      | Jan   | Feb     | Mar     | Apr     | May     | Jun     | Jul     | Aug     | Sep     | Oct     | Nov     | Dec     |
| 1958 | 1,400   | 980     | 3,740   | 6,810   | 1,900   | 1,480   | 920     | 1,800   | 1,130   | 1,020   | 1,400   | 1,500   |
| 1959 | 1,400   | 3,500   | 4,070   | 4,750   | 2,000   | 792     | 482     | 295     | 203     | 259     | 2,360   | 3,000   |
| 1960 | 3,220   | 2,000   | 1,250   | 2,920   | 2,150   | 1,720   | 910     | 345     | 311     | 306     | 504     | 280     |
| 1961 | 490   | 580     | 7,100   | 6,240   | 3,020   | 1,880   | 974     | 820     | 376     | 328     | 461     | 1,380   |
| 1962 | 1,500   | 1,720   | 3,320   | 4,520   | 1,520   | 545     | 320     | 240     | 214     | 731     | 1,520   | 950     |
| 1963 | 880   | 820     | 840     | 2,450   | 2,360   | 980     | 476     | 336     | 269     | 186     | 218     | 920     |
| 1964 | 800   | 1,100   | 1,200   | 5,480   | 1,040   | 496     | 467     | 366     | 153     | 183     | 145     | 390     |
| 1965 | 2,100   | 2,500   | 3,740   | 6,650   | 1,930   | 468     | 191     | 196     | 260     | 590     | 527     | 1,370   |
| 1966 | 780   | 820     | 4,050   | 2,630   | 3,960   | 474     | 234     | 205     | 210     | 353     | 347     | 1,500   |
| 1967 | 740   | 2,000   | 2,000   | 6,020   | 4,160   | 974     | 952     | 699     | 549     | 1,330   | 3,600   | 2,200   |
| 1968 | 1,300   | 1,200   | 1,200   | 2,150   | 2,000   | 1,930   | 644     | 327     | 287     | 317     | 613     | 1,800   |
| 1969 | 1,800   | 1,710   | 969     | 4,290   | 2,540   | 994     | 693     | 730     | 333     | 375     | 519     | 1,470   |
| 1970 | 1,800   | 3,240   | 3,780   | 6,460   | 3,220   | 1,160   | 1,080   | 520     | 740     | 800     | 5,370   | 5,110   |
| 1971 | 1,600   | 1,500   | 5,400   | 2,950   | 2,120   | 702     | 598     | 413     | 375     | 568     | 1,230   | 2,300   |
| 1972 | 3,700   | 1,700   | 4,000   | 5,100   | 2,850   | 2,350   | 1,810   | 622     | 362     | 613     | 890     | 4,840   |
| 1973 | 2,210   | 2,030   | 1,930   | 4,520   | 4,770   | 2,800   | 1,040   | 830     | 769     | 861     | 2,410   | 3,780   |
| 1974 | 3,220   | 2,540   | 5,190   | 3,310   | 2,580   | 1,280   | 1,160   | 430     | 1,660   | 1,190   | 1,130   | 2,940   |
| 1975 | 3,600   | 2,870   | 5,060   | 2,830   | 3,630   | 2,640   | 1,130   | 683     | 1,890   | 3,150   | 2,200   | 3,150   |
| 1976 | 2,760   | 3,570   | 4,630   | 2,160   | 1,820   | 1,660   | 1,600   | 1,110   | 602     | 1,460   | 1,810   | 1,340   |
| 1977 | 1,000   | 800     | 9,030   | 3,040   | 1,090   | 846     | 1,250   | 1,420   | 659     | 3,190   | 2,620   | 3,560   |
| 1978 | 2,720   | 1,800   | 1,600   | 3,830   | 2,820   | 1,670   | 625     | 410     | 516     | 587     | 1,070   | 2,600   |
| 1979 | 2,600   | 1,730   | 9,350   | 3,850   | 2,530   | 930     | 835     | 1,550   | 1,350   | 2,730   | 2,580   | 2,700   |
| 1980 | 1,850   | 1,280   | 1,480   | 3,860   | 2,820   | 1,240   | 998     | 785     | 479     | 397     | 921     | 1,400   |
| 1981 | 900   | 1,300   | 2,560   | 3,420   | 2,360   | 2,330   | 998     | 496     | 613     | 850     | 2,830   | 1,790   |
| 1982 | 2,100   | 3,100   | 2,630   | 2,660   | 1,660   | 2,130   | 818     | 547     | 337     | 409     | 402     | 2,040   |
| 1983 | 1,400   | 1,700   | 2,470   | 5,430   | 4,150   | 1,870   | 971     | 422     | 394     | 357     | 695     | 2,600   |
| 1984 | 1,200   | 1,700   | 2,940   | 6,760   | 4,960   | 2,260   | 1,330   | 1,090   | 596     | 540     | 960     | 5,890   |
| 1985 | 1,500   | 1,400   | 4,610   | 2,130   | 1,410   | 1,060   | 730     | 494     | 597     | 459     | 685     | 2,100   |
| 1986 | 1,400   | 3,590   | 2,850   | 3,140   | 1,430   | 1,320   | 1,280   | 797     | 456     | 1,150   | 1,750   | 3,230   |
| 1987 | 2,200   | 1,380   | 1,850   | 3,890   | 2,140   | 1,610   | 819     | 496     | 728     | 1,370   | 1,380   | 3,510   |
| 1988 | 1,900   | 3,030   | 2,720   | 2,330   | 2,490   | 503     | 323     | 248     | 481     | 420     | 573     | 1,030   |
| 1989 | 2,080   | 2,180   | 2,970   | 2,000   | 1,950   | 3,630   | 960     | 456     | 384     | 487     | 982     | 860     |
| 1990 | 1,400   | 3,620   | 2,490   | 2,880   | 2,630   | 1,860   | 1,420   | 1,540   | 2,250   | 2,210   | 2,920   | 3,030   |
| 1991 | 3,850   | 3,570   | 4,780   | 3,320   | 1,490   | 501     | 370     | 273     | 266     | 309     | 344     | 958     |
| 1992 | 2,370   | 1,300   | 3,440   | 5,920   | 1,600   | 820     | 590     | 1,350   | 1,750   | 1,790   | 1,880   | 2,700   |
| 1993 | 4,420   | 1,200   | 1,390   | 8,170   | 1,150   | 822     | 356     | 381     | 376     | 901     | 2,720   | 2,100   |
| 1994 | 1,700   | 2,370   | 4,560   | 3,360   | 2,650   | 1,770   | 1,380   | 748     | 1,180   | 688     | 750     | 2,430   |
| 1995 | 2,000   | 2,000   | 2,860   | 2,480   | 1,570   | 1,780   | 909     | 324     | 271     | 250     | 1,300   | 1,700   |
| 1996 | 1,000   | 2,700   | 6,110   | 4,890   | 2,840   | 1,300   | 684     | 684     | 557     | 1,470   | 3,270   | 4,910   |
| 1997 | 2,500   | 2,800   | 6,440   | 2,430   | 2,520   | 1,230   | 585     | 424     | 502     | 555     | 801     | 2,640   |
| 1998 | 3,760   | 3,340   | 4,840   | 3,800   | 1,940   | 937     | 478     | 325     | 316     | 352     | 360     | 337     |
| 1999 | 600   | 2,960   | 3,390   | 4,910   | 941     | 380     | 317     | 322     | 289     | 488     | 463     | 2,190   |
| 2000 | 1,600   | 1,300   | 4,320   | 3,710   | 1,750   | 2,090   | 577     | 598     | 409     | 784     | 913     | 1,610   |
| 2001 | 950   | 2,710   | 2,180   | 4,320   | 1,340   | 1,040   | 448     | 371     | 351     | 460     | 595     | 2,110   |
| 2002 | 1,380   | 3,380   | 2,940   | 3,900   | 4,740   | 2,650   | 653     | 286     | 184     | 398     | 1,510   | 1,600   |
| 2003 | 1,600   | 1,600   | 3,000   | 2,730   | 2,240   | 2,270   | 1,180   | 1,730   | 3,300   | 3,000   | 4,340   | 4,050   |
| 2004 | 2,000   | 1,800   | 3,400   | 5,340   | 4,480   | 1,630   | 1,190   | 2,050   | 1,830   | missing | missing | missing |
| 2005 | missing   | missing | missing | missing | missing | missing | missing | missing | missing | missing | missing | missing |
| 2006 | missing   | missing | missing | missing | missing | missing | missing | missing | missing | missing | missing | missing |
|      | Jan   | Feb     | Mar     | Apr     | May     | Jun     | Jul     | Aug     | Sep     | Oct     | Nov     | Dec     |

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|-------------|---|-------|-------|--------|--------|--------|--------|--------|-------|--------|--------|-------|
|             | Jan   | Feb   | Mar   | Apr    | May    | Jun    | Jul    | Aug    | Sep   | Oct    | Nov    | Dec   |
| <b>Min</b>  | 132   | 270   | 450   | 1,690  | 762    | 380    | 175    | 101    | 96    | 112    | 117    | 80    |
| <b>Day</b>  | 23-Jan  | 8-Feb | 1-Mar | 23-Apr | 30-May | 27-Jun | 26-Jul | 31-Aug | 1-Sep | 10-Oct | 29-Nov | 6-Dec |
| <b>Year</b> | 1931  | 1931  | 1934  | 1946   | 1941   | 1999   | 1934   | 1939   | 1939  | 1909   | 1930   | 1908  |

