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# ENSEMBLE HEADER INFORMATION
# Segment: DWNN6DEL
# Trace File Name: NOT APPLICABLE
# Output Variable: Mean
# Data Type: RIVER DISCHARGE
# Units: CFS
# Analysis Period: 09/20/2019 12 - 10/20/2019 12 GMT
# Interval: 09/20/2019 12 - 10/20/2019 12 GMT
#

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# Statistics based on all years.
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# EXCEEDANCE PROBABILITY ESTIMATES
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# Distribution: Empirical
#       CS: Mean: 274.27, StdDev: 303.49
#       HS: Mean: 405.48, StdDev: 475.66
# Exceedance      Conditional      Historical
# Probabilities   Simulation        Simulation
# -----
0.100             545.335          1085.750
0.200             336.539          720.838
0.300             235.604          320.251
0.400             179.989          257.867
0.500             164.544          227.034
0.600             143.813          217.899
0.800             107.440          167.690
0.700             130.634          107.770
0.900             99.756           90.017

```

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# EMPIRICAL SAMPLE POINTS
#

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```

#           Cond.           Hist.
#Trace   Year   Data Exceed.   Year   Data Exceed.
# year  Weight   Point  Prob.   Weight   Point  Prob.
# -----
1950  0.016   110.758  0.781  0.016   242.385  0.469
1951  0.016   222.522  0.328  0.016   242.774  0.453
1952  0.016    97.879  0.953  0.016   119.019  0.766
1953  0.016   118.684  0.734  0.016    90.372  0.891
1954  0.016   113.191  0.750  0.016   224.762  0.563
1955  0.016  1023.469  0.047  0.016   963.753  0.109
1956  0.016   167.931  0.422  0.016   399.869  0.281
1957  0.016   130.195  0.703  0.016    89.780  0.906
1958  0.016   104.149  0.828  0.016   136.076  0.734
1959  0.016   430.509  0.156  0.016   311.912  0.313
1960  0.016    99.119  0.922  0.016  1190.433  0.078
1961  0.016   100.520  0.875  0.016   117.169  0.781
1962  0.016   334.507  0.203  0.016   255.585  0.406
1963  0.016   111.416  0.766  0.016    91.959  0.875
1964  0.016    95.824  0.969  0.016    45.396  0.984
1965  0.016   238.227  0.297  0.016   286.396  0.328
1966  0.016   275.816  0.266  0.016   204.690  0.641
1967  0.016   193.322  0.359  0.016   216.255  0.609
1968  0.016   104.062  0.844  0.016    92.784  0.859
1969  0.016    98.518  0.938  0.016   108.101  0.797
1970  0.016   164.544  0.500  0.016   251.832  0.422
1971  0.016   124.236  0.719  0.016   226.795  0.516
1972  0.016   251.755  0.281  0.016   273.758  0.359
1973  0.016   104.266  0.813  0.016   106.446  0.813
1974  0.016   309.208  0.234  0.016   504.549  0.219
1975  0.016   553.814  0.094  0.016   739.123  0.188

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|      |       |          |       |       |          |       |
|------|-------|----------|-------|-------|----------|-------|
| 1976 | 0.016 | 532.617  | 0.109 | 0.016 | 492.886  | 0.250 |
| 1977 | 0.016 | 1536.232 | 0.031 | 0.016 | 2949.409 | 0.016 |
| 1978 | 0.016 | 134.864  | 0.672 | 0.016 | 261.291  | 0.391 |
| 1979 | 0.016 | 492.497  | 0.125 | 0.016 | 716.267  | 0.203 |
| 1980 | 0.016 | 101.336  | 0.859 | 0.016 | 66.532   | 0.969 |
| 1981 | 0.016 | 225.115  | 0.313 | 0.016 | 322.336  | 0.297 |
| 1982 | 0.016 | 108.234  | 0.797 | 0.016 | 87.938   | 0.922 |
| 1983 | 0.016 | 167.716  | 0.438 | 0.016 | 82.926   | 0.938 |
| 1984 | 0.016 | 92.306   | 0.984 | 0.016 | 104.747  | 0.828 |
| 1985 | 0.016 | 850.009  | 0.078 | 0.016 | 824.976  | 0.125 |
| 1986 | 0.016 | 187.491  | 0.391 | 0.016 | 223.995  | 0.578 |
| 1987 | 0.016 | 163.237  | 0.531 | 0.016 | 763.748  | 0.141 |
| 1988 | 0.016 | 99.534   | 0.906 | 0.016 | 152.712  | 0.719 |
| 1989 | 0.016 | 164.673  | 0.484 | 0.016 | 494.283  | 0.234 |
| 1990 | 0.016 | 174.989  | 0.406 | 0.016 | 205.881  | 0.625 |
| 1991 | 0.016 | 166.047  | 0.453 | 0.016 | 226.729  | 0.531 |
| 1992 | 0.016 | 163.662  | 0.516 | 0.016 | 167.587  | 0.703 |
| 1993 | 0.016 | 132.393  | 0.688 | 0.016 | 134.974  | 0.750 |
| 1994 | 0.016 | 165.274  | 0.469 | 0.016 | 247.166  | 0.438 |
| 1995 | 0.016 | 324.717  | 0.219 | 0.016 | 218.995  | 0.594 |
| 1996 | 0.016 | 153.117  | 0.547 | 0.016 | 282.725  | 0.344 |
| 1997 | 0.016 | 100.090  | 0.891 | 0.016 | 100.632  | 0.844 |
| 1998 | 0.016 | 283.592  | 0.250 | 0.016 | 263.264  | 0.375 |
| 1999 | 0.016 | 189.845  | 0.375 | 0.016 | 1324.373 | 0.063 |
| 2000 | 0.016 | 139.762  | 0.641 | 0.016 | 227.034  | 0.500 |
| 2001 | 0.016 | 141.560  | 0.625 | 0.016 | 74.094   | 0.953 |
| 2002 | 0.016 | 344.666  | 0.188 | 0.016 | 232.449  | 0.484 |
| 2003 | 0.016 | 363.568  | 0.172 | 0.016 | 762.737  | 0.156 |
| 2004 | 0.016 | 193.487  | 0.344 | 0.016 | 1361.621 | 0.047 |
| 2005 | 0.016 | 935.601  | 0.063 | 0.016 | 749.567  | 0.172 |
| 2006 | 0.016 | 151.846  | 0.563 | 0.016 | 225.936  | 0.547 |
| 2007 | 0.016 | 144.499  | 0.594 | 0.016 | 202.364  | 0.656 |
| 2008 | 0.016 | 145.334  | 0.578 | 0.016 | 177.173  | 0.672 |
| 2009 | 0.016 | 137.094  | 0.656 | 0.016 | 168.101  | 0.688 |
| 2010 | 0.016 | 1600.213 | 0.016 | 0.016 | 1516.015 | 0.031 |
| 2011 | 0.016 | 450.380  | 0.141 | 0.016 | 1167.082 | 0.094 |
| 2012 | 0.016 | 142.783  | 0.609 | 0.016 | 433.015  | 0.266 |