



2005 Water Year LEHIGH RIVER BASIN

01449800 Pohopoco Cr bl Beltzville Dam nr Parryville, PA

Latitude: 40° 50 ' 44"

Longitude: 075° 38 ' 46"

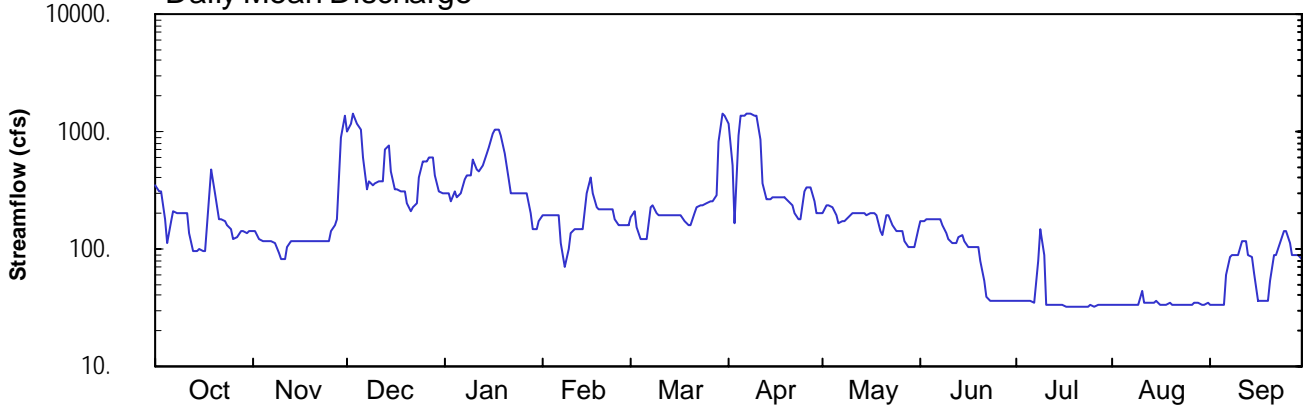
Hydrologic Unit Code: 02040106

Carbon County

Datum: 492.05 feet

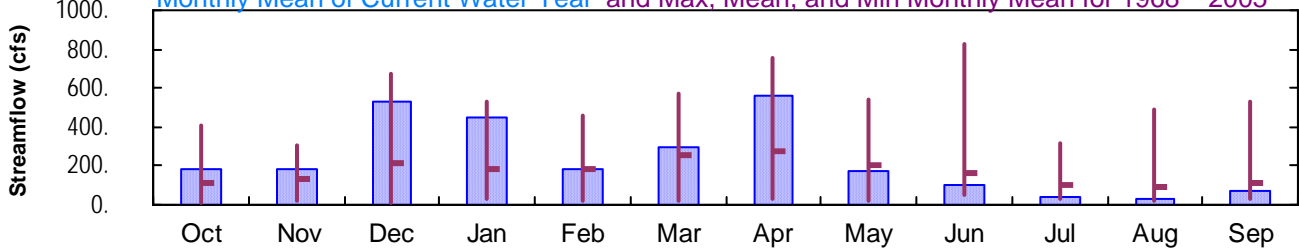
Drainage Area: 96.4 mi²

Daily Mean Discharge

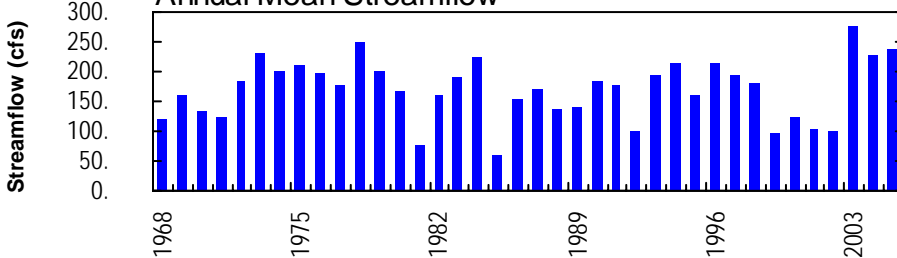


Monthly Statistics

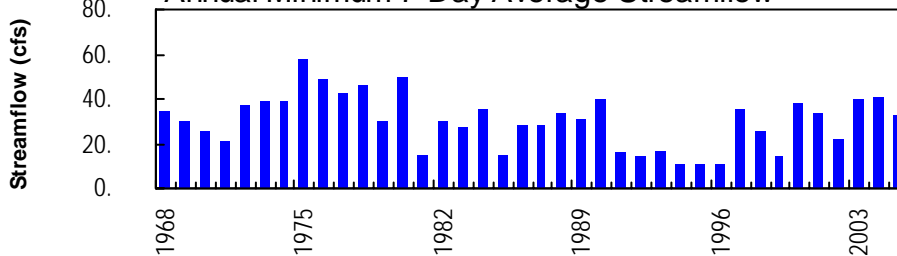
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1968 – 2005



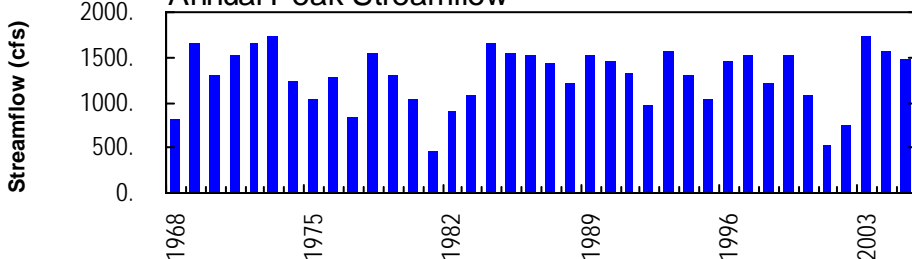
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



LEHIGH RIVER BASIN

01449800 POHOPOCO CREEK BELOW BELTZVILLE LAKE NEAR PARRYVILLE, PA

LOCATION.--Lat 40°50'44", long 75°38'46", Carbon County, Hydrologic Unit 02040106, on right bank 0.1 mi upstream from Sawmill Run, 0.4 mi downstream from Beltzville Dam, 1.3 mi upstream from Bull Run, and 2.3 mi northeast of Parryville.

DRAINAGE AREA.--96.4 mi².

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 492.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated entire period of record by Wild Creek Reservoir (station 01449700) and Penn Forest Reservoir (station 01449400), 7.3 mi and 10.0 mi upstream respectively (reservoirs for city of Bethlehem), and Beltzville Lake (station 01449790). Diversion upstream from Tunkhannock Creek to Wild Creek Basin since October 1969. Satellite and landline telemetry at station.

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 | 350 | 140 | 1010 | 302 | 191 | 186 | 1170 | 199 | 175 | 36 | 34 | 34 |
| 2 | 309 | 140 | 1190 | 301 | 191 | 207 | 516 | 234 | 175 | 36 | 34 | 34 |
| 3 | 309 | 122 | 1400 | 251 | 191 | 153 | 168 | 235 | 176 | 36 | 34 | 34 |
| 4 | 178 | 116 | 1180 | 307 | 191 | 120 | 940 | 223 | 180 | 36 | 34 | 34 |
| 5 | 111 | 116 | 1040 | 274 | 191 | 120 | 1360 | 192 | 182 | 36 | 34 | 34 |
| 6 | 173 | 116 | 608 | 304 | 191 | 120 | 1390 | 169 | 183 | 36 | 34 | 60 |
| 7 | 211 | 116 | 317 | 398 | 114 | 229 | 1410 | 171 | 181 | 35 | 34 | 86 |
| 8 | 205 | 113 | 376 | 430 | 70 | 238 | 1410 | 170 | 161 | 80 | 34 | 88 |
| 9 | 199 | 93 | 345 | 427 | 99 | 198 | 1390 | 189 | 139 | 146 | 34 | 89 |
| 10 | 201 | 81 | 359 | 584 | 135 | 198 | 1380 | 198 | 121 | 89 | 44 | 89 |
| 11 | 203 | 81 | 383 | 483 | 146 | 197 | 839 | 198 | 113 | 34 | 34 | 116 |
| 12 | 138 | 103 | 383 | 465 | 146 | 197 | 363 | 199 | 113 | 34 | 34 | 119 |
| 13 | 98 | 116 | 694 | 518 | 146 | 197 | 268 | 198 | 125 | 34 | 35 | 88 |
| 14 | 98 | 116 | 748 | 652 | 147 | 197 | 267 | 198 | 133 | 34 | 35 | 86 |
| 15 | 98 | 116 | 452 | 745 | 304 | 197 | 271 | 198 | 115 | 34 | 36 | 63 |
| 16 | 98 | 116 | 319 | 962 | 404 | 197 | 275 | 198 | 104 | 33 | 34 | 36 |
| 17 | 98 | 116 | 317 | 1040 | 304 | 197 | 276 | 198 | 104 | 33 | 34 | 36 |
| 18 | 272 | 116 | 316 | 1040 | 230 | 175 | 277 | 197 | 104 | 33 | 34 | 36 |
| 19 | 469 | 116 | 315 | 921 | 215 | 160 | 276 | 141 | 104 | 33 | 34 | 36 |
| 20 | 304 | 116 | 243 | 650 | 215 | 160 | 259 | 134 | 80 | 33 | 34 | 54 |
| 21 | 179 | 116 | 210 | 388 | 215 | 200 | 233 | 195 | 53 | 33 | 34 | 89 |
| 22 | e180 | 116 | 229 | 301 | 215 | 229 | 199 | 195 | 39 | 33 | 34 | 89 |
| 23 | e170 | 116 | 242 | 301 | 215 | 233 | 183 | 160 | 37 | 33 | 34 | 111 |
| 24 | e160 | 116 | 404 | 301 | 179 | 236 | 183 | 142 | 36 | 33 | 34 | 140 |
| 25 | e150 | 116 | 560 | 301 | 157 | 247 | 316 | 143 | 36 | 33 | 34 | 140 |
| 26 | 124 | 142 | 560 | 301 | 157 | 254 | 339 | 143 | 36 | 33 | 34 | 114 |
| 27 | 127 | 157 | 608 | 301 | 157 | 254 | 329 | 119 | 36 | 33 | 34 | 89 |
| 28 | 140 | 177 | 613 | 203 | 157 | 285 | 258 | 104 | 36 | 33 | 35 | 89 |
| 29 | 140 | 902 | 419 | 146 | --- | 830 | 199 | 104 | 36 | 34 | 34 | 89 |
| 30 | 137 | 1380 | 311 | 146 | --- | 1410 | 199 | 104 | 36 | 33 | 34 | 82 |
| 31 | 140 | --- | 301 | 174 | --- | 1380 | --- | 146 | --- | 34 | 34 | --- |
| TOTAL | 5769 | 5603 | 16452 | 13917 | 5273 | 9201 | 16943 | 5394 | 3149 | 1266 | 1069 | 2284 |
| MEAN | 186 | 187 | 531 | 449 | 188 | 297 | 565 | 174 | 105 | 40.8 | 34.5 | 76.1 |
| MAX | 469 | 1380 | 1400 | 1040 | 404 | 1410 | 1410 | 235 | 183 | 146 | 44 | 140 |
| MIN | 98 | 81 | 210 | 146 | 70 | 120 | 168 | 104 | 36 | 33 | 34 | 34 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 113 | 134 | 213 | 184 | 185 | 259 | 272 | 209 | 161 | 107 | 87.7 | 108 |
| MAX | 405 | 302 | 675 | 527 | 459 | 576 | 754 | 538 | 827 | 321 | 491 | 529 |
| (WY) | 1983 | 1971 | 1997 | 1979 | 1976 | 1977 | 1993 | 1990 | 2003 | 1975 | 1969 | 1987 |
| MIN | 12.7 | 19.2 | 14.4 | 33.3 | 17.0 | 16.2 | 32.5 | 25.2 | 46.7 | 32.4 | 18.0 | 29.2 |
| (WY) | 1996 | 1992 | 1992 | 1981 | 1981 | 1981 | 1981 | 1971 | 1999 | 1985 | 1985 | 1970 |

e Estimated.

LEHIGH RIVER BASIN

01449800 POHOPOCO CREEK BELOW BELTZVILLE LAKE NEAR PARRYVILLE, PA--Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | | FOR 2005 WATER YEAR | | WATER YEARS 1968 - 2005 | |
|--------------------------|------------------------|---------|---------------------|---------------------|-------------------------|-------------------------|
| ANNUAL TOTAL | 78223 | | 86320 | | | |
| ANNUAL MEAN | 214 | | 236 | | 169 | |
| HIGHEST ANNUAL MEAN | | | | | 276 | 2003 |
| LOWEST ANNUAL MEAN | | | | | 60.2 | 1985 |
| HIGHEST DAILY MEAN | 1510 | Sep 20 | 1410 | Mar 30 ^a | 1510 | Sep 20 2004 |
| LOWEST DAILY MEAN | 39 | Jul 3-8 | 33 | Jul 16-28,30 | 9.5 | Oct 12 1993 |
| ANNUAL SEVEN-DAY MINIMUM | 41 | Jul 2 | 33 | Jul 16 | 11 | Oct 7 1993 |
| MAXIMUM PEAK FLOW | | | 1470 | Mar 29 | 1740 | May 8 1973 ^b |
| MAXIMUM PEAK STAGE | | | 5.55 | Mar 29 | 5.99 | Jun 22 2003 |
| 10 PERCENT EXCEEDS | 384 | | 496 | | 377 | |
| 50 PERCENT EXCEEDS | 143 | | 157 | | 107 | |
| 90 PERCENT EXCEEDS | 81 | | 34 | | 36 | |

^a Also April 7, 8.
^b Also June 22, 2003.

