

WEST BRANCH SUSQUEHANNA RIVER BASIN

01548500 PINE CREEK AT CEDAR RUN, PA

LOCATION.--Lat 41°31'18", long 77°26'52", Lycoming County, Hydrologic Unit 02050205, on left bank at upstream side of highway bridge on Township Route 762 at village of Cedar Run, 2,000 ft downstream from Cedar Run, and 1.2 mi upstream from Gamble Run.

DRAINAGE AREA.--604 mi².

PERIOD OF RECORD.--July 1918 to current year. Prior to October 1918 monthly discharge only, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 780.36 ft above sea level. Prior to Feb. 13, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 5,900 ft³/s and maximum (*):

| Date | Time | Discharge ft ³ /s | Gage Height (ft) | Date | Time | Discharge ft ³ /s | Gage Height (ft) |
|---------|------|---------------------------------|---------------------|--------|------|---------------------------------|---------------------|
| Nov. 26 | 2300 | 6,610 | 5.86 | Apr. 4 | 0800 | 7,080 | 6.03 |
| Feb. 28 | 0500 | *7,820 | *6.29 | | | | |

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 1 | 469 | 78 | 1170 | 395 | e260 | 3570 | 682 | 895 | 720 | 420 | 117 | 61 |
| 2 | 249 | 85 | 936 | 366 | e240 | 2840 | 632 | 852 | 648 | 357 | 145 | 60 |
| 3 | 184 | 269 | 789 | 394 | e220 | 2130 | 1140 | 737 | 625 | 323 | 127 | 67 |
| 4 | 157 | 309 | 697 | 692 | e240 | 1730 | 5740 | 645 | 502 | 335 | 116 | 74 |
| 5 | 140 | 245 | 609 | 895 | e260 | 1490 | 4460 | 596 | 478 | 297 | 100 | 65 |
| 6 | 124 | 221 | 581 | 719 | e240 | 1260 | 3270 | 543 | 777 | 256 | 95 | 55 |
| 7 | 108 | 201 | 564 | 748 | e230 | 1080 | 2420 | 501 | 629 | 228 | 156 | 51 |
| 8 | 94 | 186 | 476 | 750 | e220 | 976 | 2480 | 478 | 478 | 206 | 253 | 48 |
| 9 | 90 | 176 | 433 | 720 | e210 | 907 | 3260 | 427 | 399 | 190 | 158 | 48 |
| 10 | 90 | 167 | 420 | 730 | e200 | 849 | 2930 | e400 | 357 | 197 | 135 | 48 |
| 11 | 96 | 163 | 416 | 966 | e220 | 793 | 2460 | 427 | 323 | 194 | 124 | 49 |
| 12 | 94 | 161 | 385 | 860 | e210 | 1240 | 2100 | 391 | 674 | 165 | 115 | 66 |
| 13 | 85 | 147 | 370 | 779 | e200 | 1080 | 1710 | 484 | 1200 | 150 | 124 | 128 |
| 14 | 150 | 139 | 562 | 670 | e220 | 992 | 1460 | 506 | 1460 | 160 | 130 | 136 |
| 15 | 262 | 133 | 1890 | e600 | e240 | 942 | 1260 | 436 | 1260 | 164 | 107 | 100 |
| 16 | 180 | 126 | 1770 | e560 | e260 | 968 | 1110 | 394 | 1560 | 172 | 97 | 87 |
| 17 | 160 | 121 | 1720 | e520 | e250 | 2260 | 1140 | 368 | 1650 | 228 | 94 | 84 |
| 18 | 147 | 118 | 1560 | e490 | e240 | 1870 | 1790 | 386 | 1620 | 192 | 87 | 73 |
| 19 | 139 | 113 | 1330 | e470 | e230 | 1730 | 1960 | 2220 | 2150 | 150 | 83 | 66 |
| 20 | 129 | 113 | 1190 | e450 | e220 | 1540 | 1760 | 2590 | 1650 | 134 | 80 | 63 |
| 21 | 121 | 114 | 1290 | e480 | e350 | 1630 | 1940 | 2240 | e1400 | 129 | 72 | 64 |
| 22 | 115 | 117 | 1060 | e450 | e500 | 2590 | 2450 | 1870 | e1600 | 128 | 67 | 67 |
| 23 | 113 | 110 | 924 | e410 | e700 | 2130 | 3340 | 1710 | 1140 | 125 | 83 | 75 |
| 24 | 114 | 107 | e800 | e380 | e1000 | 1900 | 3100 | 3420 | 893 | 112 | 109 | 72 |
| 25 | 111 | 114 | e740 | e350 | e2500 | 1700 | 2570 | 3580 | 742 | 106 | 103 | 74 |
| 26 | 103 | 1730 | e700 | e370 | e4000 | 1530 | 2060 | 2720 | 1230 | 100 | 78 | 89 |
| 27 | 95 | 4900 | e620 | e380 | 4860 | 1300 | 1710 | 2040 | 944 | 95 | 69 | 101 |
| 28 | 90 | 3120 | e580 | e340 | 6790 | 1220 | 1470 | 1620 | 770 | 93 | 65 | 98 |
| 29 | 88 | 2100 | e520 | e300 | 4980 | 1050 | 1230 | 1310 | 588 | 150 | 64 | 79 |
| 30 | 83 | 1540 | e480 | e270 | --- | 903 | 1040 | 1040 | 511 | 118 | 65 | 70 |
| 31 | 81 | --- | 446 | e240 | --- | 777 | --- | 842 | --- | 116 | 63 | --- |
| TOTAL | 4261 | 17223 | 26028 | 16744 | 30290 | 46977 | 64674 | 36668 | 28978 | 5790 | 3281 | 2218 |
| MEAN | 137 | 574 | 840 | 540 | 1044 | 1515 | 2156 | 1183 | 966 | 187 | 106 | 73.9 |
| MAX | 469 | 4900 | 1890 | 966 | 6790 | 3570 | 5740 | 3580 | 2150 | 420 | 253 | 136 |
| MIN | 81 | 78 | 370 | 240 | 200 | 777 | 632 | 368 | 323 | 93 | 63 | 48 |
| CFSM | .23 | .95 | 1.39 | .89 | 1.73 | 2.51 | 3.57 | 1.96 | 1.60 | .31 | .18 | .12 |
| IN. | .26 | 1.06 | 1.60 | 1.03 | 1.87 | 2.89 | 3.98 | 2.26 | 1.78 | .36 | .20 | .14 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2000, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 363 | 758 | 838 | 839 | 912 | 1862 | 1977 | 1246 | 617 | 282 | 221 | 204 |
| MAX | 2910 | 3077 | 2260 | 2741 | 3090 | 6362 | 5678 | 3580 | 3601 | 1160 | 2712 | 2458 |
| (WY) | 1991 | 1951 | 1928 | 1937 | 1981 | 1936 | 1993 | 1919 | 1972 | 1928 | 1994 | 1975 |
| MIN | 28.9 | 41.3 | 65.4 | 47.6 | 119 | 590 | 374 | 238 | 90.4 | 50.2 | 32.6 | 19.3 |
| (WY) | 1965 | 1931 | 1961 | 1931 | 1920 | 1981 | 1946 | 1941 | 1991 | 1966 | 1939 | 1964 |

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01548500 PINE CREEK AT CEDAR RUN, PA--Continued

| SUMMARY STATISTICS | FOR 1999 CALENDAR YEAR | | | FOR 2000 WATER YEAR | | | WATER YEARS 1919 - 2000 | |
|--------------------------|------------------------|---------|--|---------------------|----------|--|-------------------------|--------------|
| ANNUAL TOTAL | 227064 | | | 283132 | | | 842 | |
| ANNUAL MEAN | 622 | | | 774 | | | 1400 | |
| HIGHEST ANNUAL MEAN | | | | | | | 1978 | |
| LOWEST ANNUAL MEAN | | | | | | | 1941 | |
| HIGHEST DAILY MEAN | 5530 | Jan 25 | | 6790 | Feb 28 | | 42600 | Jun 23 1972 |
| LOWEST DAILY MEAN | 24 | Sep 4,5 | | 48 | Sep 8-10 | | 8.0 | Sep 2 1939 |
| ANNUAL SEVEN-DAY MINIMUM | 28 | Aug 31 | | 52 | Sep 5 | | 11 | Aug 28 1939 |
| INSTANTANEOUS PEAK FLOW | | | | 7820 | Feb 28 | | a 66000 | Jun 23 1972 |
| INSTANTANEOUS PEAK STAGE | | | | 6.29 | Feb 28 | | b 16.00 | Jun 23 1972 |
| INSTANTANEOUS LOW FLOW | | | | | | | 8.0 | Sep 1,2 1939 |
| ANNUAL RUNOFF (CFSM) | 1.03 | | | 1.28 | | | 1.39 | |
| ANNUAL RUNOFF (INCHES) | 13.98 | | | 17.44 | | | 18.95 | |
| 10 PERCENT EXCEEDS | 1700 | | | 1980 | | | 2040 | |
| 50 PERCENT EXCEEDS | 184 | | | 392 | | | 400 | |
| 90 PERCENT EXCEEDS | 48 | | | 84 | | | 65 | |

a From rating curve extended above 16,000 ft³/s on basis of slope-area measurement of peak flow.
b From floodmark.

