

KISKIMINETAS RIVER BASIN

03041029 CONEMAUGH RIVER AT MINERSVILLE, PA

LOCATION.--Lat 40°20'29", long 78°55'34", Cambria County, Hydrologic Unit 05010007, on right bank at upstream side of Fourth Avenue bridge at Minersville, 4,000 ft downstream from confluence of Little Conemaugh River and Stonycreek River.

DRAINAGE AREA.--678 mi².

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,140 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by steel mills and reservoirs above station; the eight most effective reservoirs have a combined capacity of 51,850 acre-ft. Several measurements of water temperature were made during the year. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 1 | 242 | 683 | 728 | 5830 | e350 | 1160 | 1460 | 549 | 3890 | 673 | 480 | 1690 |
| 2 | 216 | 614 | 634 | 9650 | e370 | 1160 | 2230 | 539 | 2950 | 620 | 429 | 1600 |
| 3 | 195 | 504 | 573 | 4860 | e420 | 1070 | 1890 | 507 | 5380 | 506 | 520 | 1430 |
| 4 | 193 | 443 | 457 | 3430 | e590 | 1000 | 1590 | 533 | 10500 | 465 | 740 | 1470 |
| 5 | 199 | 427 | 534 | 2650 | e1070 | 1220 | 4590 | 747 | 5700 | 457 | 711 | 1090 |
| 6 | 186 | 923 | 532 | 2240 | e880 | 2980 | 3780 | 960 | 3750 | 512 | 531 | 810 |
| 7 | 177 | 1130 | 469 | 1880 | e690 | 2940 | 3020 | 778 | 4650 | 762 | 481 | 652 |
| 8 | 165 | 925 | 492 | 1700 | e520 | 2510 | 2850 | 1100 | 4420 | 590 | 503 | 558 |
| 9 | 158 | 739 | 411 | 1700 | e430 | 4140 | 2960 | 2180 | 3640 | 601 | 774 | 492 |
| 10 | 159 | 651 | 408 | 1860 | e420 | 3610 | 2810 | 5170 | 2830 | 604 | 1570 | 448 |
| 11 | 215 | 698 | 465 | 1530 | e420 | 2590 | 2920 | 5090 | 2340 | 1590 | 1020 | 407 |
| 12 | 380 | 720 | 522 | 1250 | e415 | 2260 | 2810 | 3150 | 2050 | 840 | 815 | 379 |
| 13 | 337 | 956 | 538 | 1120 | e410 | 3380 | 2380 | 3240 | 2110 | 654 | 631 | 371 |
| 14 | 273 | 818 | 836 | 1030 | e405 | 4720 | 2040 | 2720 | 1800 | 529 | 510 | 373 |
| 15 | 232 | 672 | 950 | 936 | e410 | 4510 | 1800 | 2210 | 1520 | 459 | 431 | 384 |
| 16 | 341 | 628 | 909 | 795 | e420 | 5380 | 1590 | 3070 | 1260 | 589 | 394 | e390 |
| 17 | 674 | 1200 | 786 | 834 | e425 | 6370 | 1400 | 2710 | 1140 | 491 | 674 | e360 |
| 18 | 460 | 1660 | 699 | 707 | e430 | 6280 | 1230 | 2620 | 2030 | 409 | 446 | 344 |
| 19 | 367 | 1270 | 637 | 726 | e450 | 5490 | 1140 | 2300 | 1580 | 443 | 367 | 4000 |
| 20 | 324 | 1240 | 2640 | 721 | e480 | 5500 | 1050 | 1920 | 1490 | 378 | 335 | 3480 |
| 21 | 289 | 1090 | 3330 | e550 | e515 | 6200 | 988 | 2380 | 2570 | 354 | 317 | 1840 |
| 22 | 261 | 982 | 2320 | e480 | e740 | 5410 | 999 | 2050 | 2270 | 534 | 306 | 1350 |
| 23 | 239 | 926 | 2100 | e460 | e2700 | 4050 | 915 | 2620 | 1740 | 484 | 298 | 2400 |
| 24 | 227 | 800 | 1640 | e460 | 2750 | 3250 | 794 | 2740 | 1380 | 422 | 276 | 1810 |
| 25 | 229 | 772 | 1460 | e455 | 2120 | 2720 | 736 | 2360 | 1150 | 378 | 266 | 1400 |
| 26 | 439 | 723 | 1230 | e450 | 1700 | 2390 | 738 | 2690 | 993 | 344 | 1440 | 1240 |
| 27 | 478 | 720 | 1010 | e435 | 1430 | 2070 | 722 | 2330 | 875 | 333 | 1520 | 1110 |
| 28 | 361 | 655 | 897 | e420 | 1210 | 1740 | 647 | 2020 | 791 | 337 | 975 | 3110 |
| 29 | 356 | 626 | 846 | e400 | --- | 1550 | 605 | 1790 | 709 | 310 | 640 | 2200 |
| 30 | 694 | 686 | 758 | e390 | --- | 1560 | 572 | 1540 | 644 | 288 | 1060 | 1600 |
| 31 | 692 | --- | 907 | e380 | --- | 1460 | --- | 1660 | --- | 282 | 864 | --- |
| TOTAL | 9758 | 24881 | 30718 | 50329 | 23170 | 100670 | 53256 | 66273 | 78152 | 16238 | 20324 | 38788 |
| MEAN | 315 | 829 | 991 | 1624 | 828 | 3247 | 1775 | 2138 | 2605 | 524 | 656 | 1293 |
| MAX | 694 | 1660 | 3330 | 9650 | 2750 | 6370 | 4590 | 5170 | 10500 | 1590 | 1570 | 4000 |
| MIN | 158 | 427 | 408 | 380 | 350 | 1000 | 572 | 507 | 644 | 282 | 266 | 344 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

| | 2001 | 2002 | 2003 | 2001 | 2002 | 2003 | 2001 | 2002 | 2003 | 2001 | 2002 | 2003 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 315 | 829 | 991 | 1119 | 829 | 2545 | 1644 | 2312 | 1706 | 388 | 418 | 751 |
| MAX | 315 | 829 | 991 | 1624 | 831 | 3247 | 1775 | 2486 | 2605 | 524 | 656 | 1293 |
| (WY) | 2003 | 2003 | 2003 | 2003 | 2002 | 2003 | 2003 | 2002 | 2003 | 2003 | 2003 | 2003 |
| MIN | 315 | 829 | 991 | 615 | 828 | 1842 | 1513 | 2138 | 806 | 252 | 181 | 210 |
| (WY) | 2003 | 2003 | 2003 | 2002 | 2003 | 2002 | 2002 | 2003 | 2002 | 2002 | 2002 | 2002 |

e Estimated.

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03041029 CONEMAUGH RIVER AT MINERSVILLE, PA--Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 2001 - 2003 | |
|--------------------------|------------------------|----------|---------------------|----------|-------------------------|---------------|
| ANNUAL TOTAL | 331136 | | 512557 | | 1404 | |
| ANNUAL MEAN | 907 | | 1404 | | 1404 | |
| HIGHEST ANNUAL MEAN | | | | | 2003 | |
| LOWEST ANNUAL MEAN | | | | | 2003 | |
| HIGHEST DAILY MEAN | 7940 | May 18 | 10500 | Jun 4 | 10500 | Jun 4 2003 |
| LOWEST DAILY MEAN | 127 | Sep 9-12 | 158 | Oct 9 | 127 | Sep 9 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 128 | Sep 7 | 177 | Oct 4 | 128 | Sep 7 2002 |
| MAXIMUM PEAK FLOW | | | a15700 | Jun 3 | a15700 | Jun 3 2003 |
| MAXIMUM PEAK STAGE | | | 10.56 | Jun 3 | 10.56 | Jun 3 2003 |
| INSTANTANEOUS LOW FLOW | | | 156 | Oct 9,10 | 127 | Sep 9-12 2002 |
| 10 PERCENT EXCEEDS | 2150 | | 3090 | | 3090 | |
| 50 PERCENT EXCEEDS | 614 | | 815 | | 815 | |
| 90 PERCENT EXCEEDS | 167 | | 355 | | 355 | |

a From rating curve extended above 9,700 ft³/s.

