

Water-Data Report 2009

01505810 CHENANGO RIVER AT OXFORD, NY

Upper Susquehanna Basin
Chenango Subbasin

LOCATION.--Lat 42°26'30", long 75°35'48" referenced to North American Datum of 1927, Chenango County, NY, Hydrologic Unit 02050102, on left bank, 30 ft downstream of Main Street bridge, in Fire Department building for Village of Oxford.

DRAINAGE AREA.--458 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 2008 to current year.

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,650 ft³/s, Mar. 9, 2009, gage height, 16.01 ft; minimum discharge, 69 ft³/s, Sep. 23, 24, 25, 26, 2008, gage height, 5.68 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 2006, reached a stage of 22.51 ft, from floodmarks approximately 500 ft downstream of gage, discharge not determined.

EXTREMES FOR CURRENT PERIOD.--September 2008: Maximum discharge, 200 ft³/s, Sept. 28, gage height, 6.66 ft; minimum discharge, 69 ft³/s, Sept. 23, 24, 25, 26, gage height 5.68 ft.

Water year 2009: Maximum discharge, 6,650 ft³/s, Mar. 9, gage height, 16.01 ft; minimum discharge, 76 ft³/s, Oct. 13, 14, 15, 16, gage height, 5.76 ft.

01505810 CHENANGO RIVER AT OXFORD, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 79 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 77 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 76 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 73 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 72 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 71 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 70 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 69 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 70 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 74 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 118 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 146 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cfsm | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| In. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2008, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (WY) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (WY) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) | (---) |

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,650 ft³/s, Mar. 9, gage height, 16.01 ft; minimum discharge, 76 ft³/s, Oct. 13, 14, 15, 16, gage height, 5.76 ft.

01505810 CHENANGO RIVER AT OXFORD, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 99 | 699 | 1,090 | 1,810 | e365 | 1,570 | 1,090 | 396 | 550 | 446 | 1,140 | 851 |
| 2 | 95 | 830 | 1,520 | 1,510 | e311 | 1,170 | 994 | 485 | 462 | 410 | 740 | 681 |
| 3 | 93 | 697 | 1,090 | 1,500 | e289 | e1,040 | 1,060 | 494 | 411 | 542 | 998 | 559 |
| 4 | 92 | 663 | 939 | 1,270 | e287 | e1,000 | 2,330 | 417 | 370 | 540 | 696 | 484 |
| 5 | 91 | 615 | 885 | 1,210 | e270 | e872 | 2,070 | 372 | 333 | 442 | 531 | 426 |
| 6 | e87 | 544 | 715 | 992 | e270 | e839 | 2,000 | 409 | 305 | 363 | 428 | 375 |
| 7 | e83 | 490 | 670 | 1,120 | e280 | 1,360 | 2,160 | 520 | 277 | 351 | 364 | 337 |
| 8 | e83 | 462 | 572 | 1,500 | e346 | 3,380 | 1,760 | 511 | 257 | 579 | 313 | 306 |
| 9 | 85 | 521 | 575 | 1,190 | e397 | 5,490 | 1,480 | 525 | 270 | 494 | 304 | 275 |
| 10 | 84 | 526 | 1,970 | 961 | e443 | 5,950 | 1,260 | 572 | 270 | 392 | 1,800 | 246 |
| 11 | 81 | 470 | 2,700 | e1,000 | e549 | 5,000 | 1,160 | 456 | 245 | 332 | 1,390 | 227 |
| 12 | 79 | 420 | 1,830 | e905 | e2,000 | 4,240 | 995 | 392 | 450 | e324 | 1,000 | 231 |
| 13 | 77 | 400 | 1,420 | e799 | 4,020 | 2,920 | 883 | 353 | 366 | e318 | 839 | 231 |
| 14 | 77 | 431 | 1,210 | e703 | 2,360 | 2,200 | 817 | 363 | 334 | 285 | 788 | 219 |
| 15 | 77 | 537 | 1,460 | e674 | e1,520 | 1,890 | 758 | 476 | 288 | 252 | 657 | 206 |
| 16 | 83 | 1,690 | 3,070 | e655 | e1,110 | 1,730 | 690 | 628 | 248 | 259 | 561 | 192 |
| 17 | 95 | 1,170 | 2,210 | e617 | e876 | 1,620 | 616 | 1,900 | 223 | 247 | 481 | 204 |
| 18 | e100 | 903 | 1,710 | e665 | e799 | 1,660 | 569 | 1,000 | 454 | 232 | 485 | 215 |
| 19 | e94 | 755 | 1,420 | e674 | e732 | 2,920 | 522 | 752 | 696 | 213 | 712 | 193 |
| 20 | e87 | 653 | 1,220 | e597 | e694 | 2,750 | 513 | 595 | 753 | 198 | 510 | 176 |
| 21 | e87 | 585 | 1,140 | e574 | e588 | 1,970 | 902 | 490 | 1,560 | 185 | 472 | 165 |
| 22 | 91 | 523 | 1,360 | e530 | e540 | 1,640 | 835 | 417 | 963 | 177 | 444 | 158 |
| 23 | 94 | 470 | 1,500 | e508 | e511 | 1,360 | 708 | 369 | 688 | 173 | 489 | 158 |
| 24 | 104 | 464 | 1,460 | e445 | e472 | 1,130 | 671 | 379 | 531 | 164 | 851 | 503 |
| 25 | 138 | 531 | 2,270 | e398 | e463 | 1,040 | 591 | 342 | 439 | 266 | 611 | 267 |
| 26 | 666 | 592 | 1,580 | e406 | e491 | 992 | 527 | 304 | 538 | 284 | 509 | 212 |
| 27 | 482 | 566 | 1,670 | e408 | e684 | 993 | 485 | 758 | 667 | 283 | 470 | 336 |
| 28 | 567 | 536 | 3,820 | e387 | 2,530 | 954 | 450 | 910 | 540 | 233 | 478 | 802 |
| 29 | 996 | 517 | 4,850 | e389 | --- | 983 | 415 | 901 | 464 | 406 | 1,850 | 699 |
| 30 | 754 | 491 | 3,810 | e387 | --- | 1,520 | 390 | 838 | 490 | 913 | 2,330 | 726 |
| 31 | 630 | --- | 2,530 | e381 | --- | 1,320 | --- | 661 | --- | 1,300 | 1,150 | --- |
| Total | 6,351 | 18,751 | 54,266 | 25,165 | 24,197 | 63,503 | 29,701 | 17,985 | 14,442 | 11,603 | 24,391 | 10,660 |
| Mean | 205 | 625 | 1,751 | 812 | 864 | 2,048 | 990 | 580 | 481 | 374 | 787 | 355 |
| Max | 996 | 1,690 | 4,850 | 1,810 | 4,020 | 5,950 | 2,330 | 1,900 | 1,560 | 1,300 | 2,330 | 851 |
| Min | 77 | 400 | 572 | 381 | 270 | 839 | 390 | 304 | 223 | 164 | 304 | 158 |
| Cfsm | 0.45 | 1.36 | 3.82 | 1.77 | 1.89 | 4.47 | 2.16 | 1.27 | 1.05 | 0.82 | 1.72 | 0.78 |
| In. | 0.52 | 1.52 | 4.41 | 2.04 | 1.97 | 5.16 | 2.41 | 1.46 | 1.17 | 0.94 | 1.98 | 0.87 |

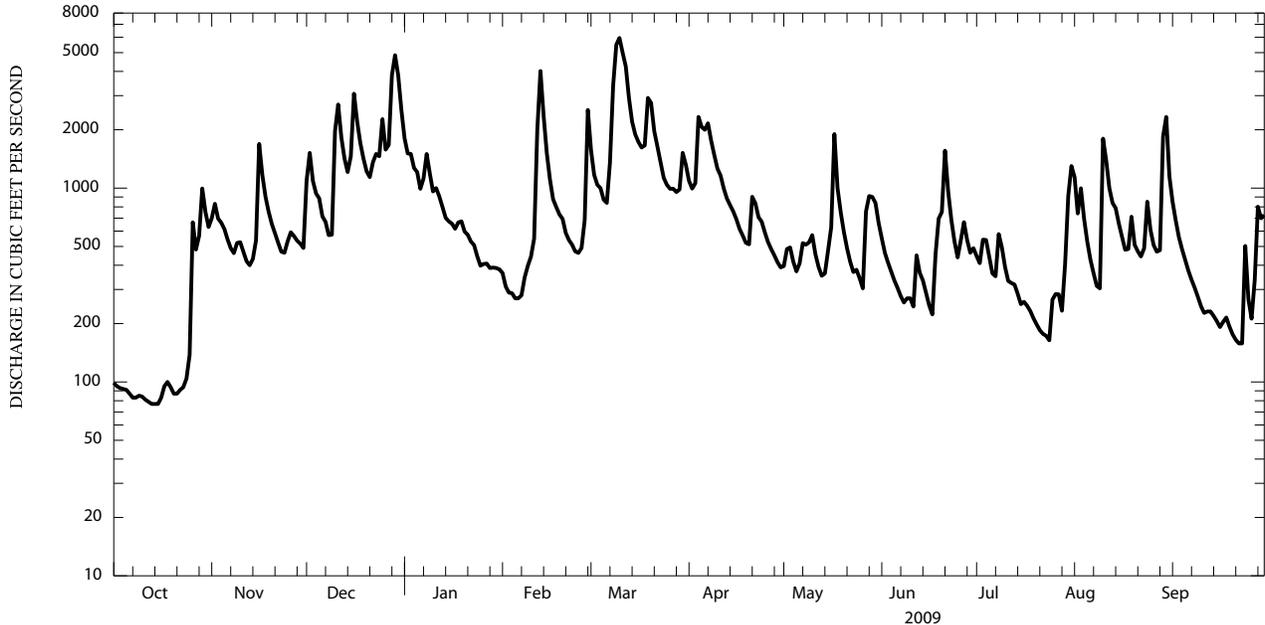
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2009, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mean | 205 | 625 | 1,751 | 812 | 864 | 2,048 | 990 | 580 | 481 | 374 | 787 | 355 |
| Max | 205 | 625 | 1,751 | 812 | 864 | 2,048 | 990 | 580 | 481 | 374 | 787 | 355 |
| (WY) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) |
| Min | 205 | 625 | 1,751 | 812 | 864 | 2,048 | 990 | 580 | 481 | 374 | 787 | 355 |
| (WY) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) | (2009) |

01505810 CHENANGO RIVER AT OXFORD, NY—Continued

SUMMARY STATISTICS

| | Water Year 2009 | | Water Years 2008 - 2009 | |
|---------------------------------|-----------------|--------|-------------------------|--------------|
| Annual total | 301,015 | | | |
| Annual mean | 825 | | 825 | |
| Highest annual mean | | | 825 2009 | |
| Lowest annual mean | | | 825 2009 | |
| Highest daily mean | 5,950 | Mar 10 | 5,950 | Mar 10, 2009 |
| Lowest daily mean | 77 | Oct 13 | 69 | Sep 25, 2008 |
| Annual seven-day minimum | 80 | Oct 10 | 71 | Sep 21, 2008 |
| Annual runoff (cfsm) | 1.80 | | 1.80 | |
| Annual runoff (inches) | 24.45 | | 24.47 | |
| 10 percent exceeds | 1,720 | | 1,720 | |
| 50 percent exceeds | 542 | | 542 | |
| 90 percent exceeds | 202 | | 202 | |



CURRENT WATER YEAR DAILY MEAN DISCHARGE.