# 01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY

Upper Hudson Basin
Hudson-Hoosic Subbasin

LOCATION.--Lat 42°56′19″, long 73°22′39″ referenced to North American Datum of 1927, Rensselaer County, NY, Hydrologic Unit 02020003, on right bank 0.5 mi upstream from Case Brook, 1.2 mi downstream from Walloomsac River, and 1.2 mi southeast of Eagle Bridge.

DRAINAGE AREA.--510 $mi^2$.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1910 to March 1922, July 1923 to current year.

REVISED RECORDS.--WSP 741: Drainage area. WSP 756: 1913(m). WSP 1302: 1922(M). WSP 1432: 1913 (minimum gage height). WSP 1502: 1911-12, 1914, 1920-21, 1928(M), l936(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 355.41 ft above NGVD of 1929. Prior to March 1922, nonrecording gage and July 24, 1923 to July 18, 1936, water-stage recorder, at site 0.2 mi upstream at different datums.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diurnal fluctuation at medium and low flow caused by powerplants upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 $ft^3/s$, Dec. 31, 1948, gage height, 21.15 ft, from floodmark in gage house, from rating curve extended above 30,000 $ft^3/s$ on basis of peak flow over downstream dams and contracted-opening measurements at gage heights 17.8 ft and 21.15 ft; minimum discharge, 24 $ft^3/s$, Sept. 14, 1913.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,400 $ft^3/s$ and (or) maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|
| Mar 15 | 1745 | 8,600 | 10.01 |
| Apr 17 | 0145 | *14,700 | *12.30 |

Minimum discharge, 117 $ft^3/s$, Sept. 7, 8, gage height, 2.08 ft.

**01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**
**DAILY MEAN VALUES**
[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1,010 | 1,540 | 830 | 1,590 | 722 | 486 | 2,440 | 1,510 | 706 | 242 | 234 | 164 |
| 2 | 1,380 | 1,620 | 2,220 | 1,890 | 692 | 549 | 2,810 | 1,380 | 660 | 231 | 217 | 147 |
| 3 | 1,020 | 1,500 | 1,350 | 1,490 | 672 | 646 | 2,490 | 1,230 | 595 | 224 | 220 | 138 |
| 4 | 896 | 1,270 | 1,140 | 1,310 | 601 | 559 | 2,730 | 1,080 | 826 | 216 | 370 | 132 |
| 5 | 895 | 1,150 | 1,020 | 1,240 | 526 | 484 | 2,800 | 979 | 1,470 | 330 | 255 | 127 |
| 6 | 765 | 1,060 | 925 | 2,720 | e530 | e470 | 2,210 | 904 | 1,200 | 410 | 211 | 122 |
| 7 | 691 | 1,000 | 938 | 2,560 | e520 | e460 | 1,920 | 840 | 847 | 398 | 205 | 121 |
| 8 | 629 | 1,160 | 891 | 3,170 | e510 | e440 | 1,740 | 790 | 711 | 311 | 282 | 119 |
| 9 | 573 | 4,630 | 800 | 3,390 | e500 | 447 | 1,570 | 746 | 629 | 403 | 319 | 170 |
| 10 | 541 | 2,460 | 781 | 2,360 | e500 | 494 | 1,450 | 716 | 577 | 489 | 264 | 351 |
| 11 | 526 | 1,930 | 764 | 1,880 | e500 | 820 | 1,340 | 1,430 | 581 | 353 | 321 | 1,090 |
| 12 | 1,240 | 1,720 | 753 | 1,740 | e500 | 1,090 | 1,620 | 1,190 | 833 | 668 | 252 | 1,320 |
| 13 | 1,050 | 2,300 | 739 | 1,770 | 476 | 996 | 1,750 | 887 | 635 | 433 | 241 | 542 |
| 14 | 820 | 1,960 | 889 | 1,790 | e500 | 2,440 | 1,650 | 768 | 542 | 332 | 273 | 353 |
| 15 | 743 | 1,860 | 810 | 2,480 | e500 | 6,410 | 2,250 | 714 | 486 | 313 | 224 | 336 |
| 16 | 686 | 1,690 | 781 | e3,000 | e500 | 4,380 | 7,340 | 923 | 437 | 395 | 202 | 346 |
| 17 | 666 | 2,900 | 730 | e2,400 | e500 | 2,550 | 8,960 | 1,130 | 414 | 298 | 189 | 277 |
| 18 | 1,110 | 2,170 | 696 | 1,910 | e500 | 2,130 | 4,510 | 884 | 440 | 449 | 190 | 247 |
| 19 | 994 | 1,840 | 662 | 1,880 | e500 | 1,730 | 3,740 | 848 | 388 | 874 | 181 | 224 |
| 20 | 1,450 | 1,670 | 635 | 1,650 | e500 | 1,530 | 4,030 | 1,780 | 393 | 1,100 | 172 | 216 |
| 21 | 2,800 | 1,470 | 616 | e1,140 | e500 | 1,330 | 3,880 | 3,060 | 364 | 743 | 167 | 201 |
| 22 | 1,720 | 1,320 | 599 | e1,120 | e600 | 1,650 | 3,780 | 1,840 | 371 | 516 | 159 | 191 |
| 23 | 1,510 | 1,260 | 1,690 | e1,000 | e600 | 3,480 | 3,850 | 1,420 | 543 | 416 | 154 | 181 |
| 24 | 1,360 | 1,240 | 1,670 | e900 | 534 | 2,860 | 4,290 | 1,200 | 390 | 395 | 155 | 172 |
| 25 | 1,180 | 1,110 | 1,230 | e800 | 506 | 3,370 | 3,040 | 1,030 | 333 | 367 | 161 | 164 |
| 26 | 1,050 | 1,010 | 1,760 | e700 | 523 | 3,000 | 2,620 | 901 | 302 | 328 | 404 | 158 |
| 27 | 952 | 958 | 1,730 | e700 | 511 | 4,940 | 2,240 | 805 | 292 | 300 | 282 | 166 |
| 28 | 2,050 | 913 | 1,410 | e800 | 504 | 5,300 | 2,060 | 1,240 | 364 | 301 | 204 | 188 |
| 29 | 3,810 | 866 | 1,250 | 843 | --- | 4,140 | 1,840 | 917 | 298 | 342 | 177 | 185 |
| 30 | 2,220 | 837 | 1,140 | 774 | --- | 3,070 | 1,720 | 763 | 260 | 287 | 162 | 166 |
| 31 | 1,790 | --- | 1,080 | 750 | --- | 2,680 | --- | 698 | --- | 257 | 155 | --- |
| Total | 38,127 | 48,414 | 32,529 | 51,747 | 15,027 | 64,931 | 88,670 | 34,603 | 16,887 | 12,721 | 7,002 | 8,314 |
| Mean | 1,230 | 1,614 | 1,049 | 1,669 | 537 | 2,095 | 2,956 | 1,116 | 563 | 410 | 226 | 277 |
| Max | 3,810 | 4,630 | 2,220 | 3,390 | 722 | 6,410 | 8,960 | 3,060 | 1,470 | 1,100 | 404 | 1,320 |
| Min | 526 | 837 | 599 | 700 | 476 | 440 | 1,340 | 698 | 260 | 216 | 154 | 119 |
| Cfsm | 2.41 | 3.16 | 2.06 | 3.27 | 1.05 | 4.11 | 5.80 | 2.19 | 1.10 | 0.80 | 0.44 | 0.54 |
| In. | 2.78 | 3.53 | 2.37 | 3.77 | 1.10 | 4.74 | 6.47 | 2.52 | 1.23 | 0.93 | 0.51 | 0.61 |

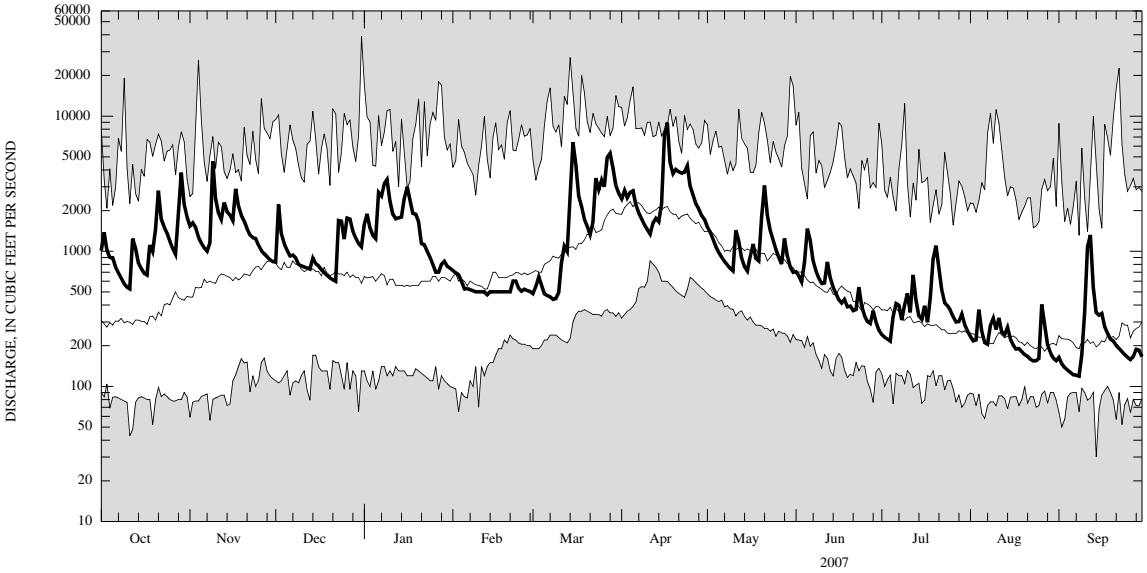
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2007, BY WATER YEAR (WY)**

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 567 | 913 | 1,010 | 980 | 923 | 1,675 | 2,307 | 1,280 | 722 | 444 | 361 | 399 |
| Max | 2,720 | 3,394 | 2,638 | 3,002 | 2,546 | 4,595 | 4,247 | 3,094 | 2,362 | 1,349 | 1,893 | 2,668 |
| (WY) | (2006) | (1928) | (2004) | (1979) | (1984) | (1936) | (1993) | (1984) | (1972) | (1915) | (1976) | (1938) |
| Min | 83.7 | 111 | 149 | 135 | 233 | 406 | 875 | 358 | 195 | 142 | 113 | 95.7 |
| (WY) | (1965) | (1965) | (1915) | (1931) | (1931) | (1965) | (1946) | (1987) | (1964) | (1962) | (1913) | (1964) |

**01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY—Continued**

**SUMMARY STATISTICS**

| | Calendar Year 2006 | | Water Year 2007 | | Water Years 1910 - 2007 | |
|---|---|---|---|---|---|---|
| **Annual total** | 455,546 | | 418,972 | | | |
| **Annual mean** | 1,248 | | 1,148 | | 965 | |
| **Highest annual mean** | | | | | 1,611 | 1976 |
| **Lowest annual mean** | | | | | 378 | 1965 |
| **Highest daily mean** | 8,700 | Jan 19 | 8,960 | Apr 17 | 39,000 | Dec 31, 1948 |
| **Lowest daily mean** | 290 | Aug 19 | 119 | Sep 8 | 30 | Sep 14, 1913 |
| **Annual seven-day minimum** | 338 | Aug 13 | 129 | Sep 2 | 77 | Oct 7, 1964 |
| **Annual runoff (cfsm)** | 2.45 | | 2.25 | | 1.89 | |
| **Annual runoff (inches)** | 33.23 | | 30.56 | | 25.70 | |
| **10 percent exceeds** | 2,220 | | 2,510 | | 2,140 | |
| **50 percent exceeds** | 1,010 | | 800 | | 585 | |
| **90 percent exceeds** | 517 | | 216 | | 177 | |




CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.