# 01312000 HUDSON RIVER NEAR NEWCOMB, NY

Upper Hudson Basin
Upper Hudson Subbasin

LOCATION.--Lat 43°57′58″, long 74°07′52″ referenced to North American Datum of 1927, Essex County, NY, Hydrologic Unit 02020001, on left bank 25 ft upstream from bridge on State Highway 28N, 0.5 mi downstream from outlet of Harris Lake, 2.0 mi east of Newcomb, and 4.0 mi upstream from Wolf Creek.

DRAINAGE AREA.--192 $mi^2$.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1925 to September 1987, October 1987 to September 2002 (annual maximum only), October 2002 to currentyear.

REVISED RECORDS.--WSP 696: 1928(M). WSP 711: 1930 (m).

GAGE.--Water-stage recorder. Datum of gage is 1,550.38 ft above NGVD of 1929. Prior to August 6, 1931, nonrecording gage at site 180 ft downstream at same datum. August 6, 1931, to November 4, 1960, water-stage recorder on left bank at site 55 ft downstream at same datum. November 4, 1960, to December 5, 1996, water-stage recorder on right bank 55 ft downstream at same datum.

REMARKS.--Records good. Flow slightly regulated by small reservoirs upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 $ft^3/s$, Jan. 9, 1998, gage height, 12.84 ft; minimum discharge, 11 $ft^3/s$, Sept. 3, 1934; minimum gage height, 0.46 ft, Sept. 26, 27, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 $ft^3/s$ and (or) maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|
| Apr 13 | 1400 | *4,110 | *7.79 |
| Apr 21 | 1100 | 4,080 | 7.76 |

Minimum discharge, 40 $ft^3/s$, Oct. 6, gage height, 1.10 ft.

**01312000 HUDSON RIVER NEAR NEWCOMB, NY—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**
**DAILY MEAN VALUES**
[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 61 | 544 | 614 | 352 | 228 | e180 | 305 | 1,510 | 300 | 453 | 1,090 | 121 |
| 2 | 54 | 425 | 485 | 327 | 246 | e170 | 633 | 1,140 | 364 | 345 | 919 | 114 |
| 3 | 49 | 344 | 433 | 282 | 249 | e165 | 1,120 | 973 | 353 | 273 | 909 | 107 |
| 4 | 45 | 290 | 394 | 261 | 241 | e195 | 1,120 | 964 | 315 | 247 | 887 | 100 |
| 5 | 42 | 249 | 353 | 253 | 244 | 241 | 1,120 | 1,020 | 284 | 212 | 755 | 93 |
| 6 | 40 | 245 | 308 | 243 | 289 | 344 | 1,240 | 947 | 450 | 180 | 1,040 | 89 |
| 7 | 42 | 284 | 279 | 236 | 386 | 448 | 1,390 | 871 | 919 | 154 | 1,930 | 94 |
| 8 | 61 | 277 | 258 | 302 | 438 | 509 | 1,610 | 840 | 835 | 135 | 1,730 | 87 |
| 9 | 79 | 249 | 235 | 955 | 410 | 836 | 1,900 | 897 | 620 | 126 | 1,440 | 91 |
| 10 | 116 | 224 | 221 | 1,800 | 373 | 1,260 | 2,520 | 799 | 464 | 130 | 1,210 | 100 |
| 11 | 172 | 202 | 210 | 1,890 | 334 | 1,340 | 3,030 | 667 | 394 | 125 | 1,100 | 93 |
| 12 | 177 | 184 | 215 | 1,730 | 302 | 1,140 | 3,120 | 589 | 333 | 114 | 1,060 | 88 |
| 13 | 178 | 176 | 208 | 1,490 | 289 | 921 | 3,950 | 528 | 271 | 118 | 939 | 107 |
| 14 | 181 | 175 | 206 | 1,190 | 274 | 768 | 3,290 | 463 | 227 | 386 | 817 | 197 |
| 15 | 177 | 240 | 199 | 962 | 259 | 645 | 2,300 | 439 | 198 | 527 | 647 | 473 |
| 16 | 161 | 609 | 202 | 761 | 242 | 568 | 1,850 | 434 | 177 | 353 | 495 | 410 |
| 17 | 153 | 677 | 204 | 607 | 227 | 504 | 1,840 | 398 | 158 | 256 | 392 | 307 |
| 18 | 142 | 529 | 202 | 530 | 242 | 446 | 2,300 | 342 | 143 | 204 | 325 | 244 |
| 19 | 138 | 413 | 200 | 460 | 323 | 421 | 3,010 | 330 | 140 | 175 | 431 | 197 |
| 20 | 512 | 363 | 193 | 396 | 467 | 510 | 3,740 | 329 | 140 | 297 | 654 | 165 |
| 21 | 896 | 335 | 184 | 349 | 466 | 658 | 4,010 | 307 | 146 | 1,640 | 539 | 144 |
| 22 | 605 | 514 | 174 | 311 | 411 | 651 | 3,680 | 295 | 156 | 1,940 | 414 | 128 |
| 23 | 476 | 1,180 | 171 | 293 | 363 | 560 | 3,270 | 289 | 159 | 1,380 | 325 | 115 |
| 24 | 1,250 | 1,160 | 291 | 272 | 324 | 482 | 2,910 | 305 | 176 | 1,450 | 270 | 104 |
| 25 | 1,500 | 894 | 655 | 250 | 294 | 421 | 2,520 | 313 | 178 | 1,710 | 254 | 94 |
| 26 | 1,040 | 725 | 709 | 238 | e257 | 385 | 2,070 | 291 | 165 | 1,510 | 227 | 89 |
| 27 | 840 | 770 | 593 | 230 | e232 | 354 | 1,830 | 311 | 159 | 1,280 | 194 | 94 |
| 28 | 1,310 | 980 | 501 | 215 | e210 | 339 | 1,750 | 335 | 162 | 1,140 | 168 | 98 |
| 29 | 1,350 | 893 | 449 | 202 | e190 | 317 | 1,880 | 287 | 265 | 911 | 149 | 95 |
| 30 | 985 | 772 | 405 | 203 | --- | 295 | 1,910 | 244 | 426 | 700 | 136 | 93 |
| 31 | 732 | --- | 378 | 212 | --- | 288 | --- | 229 | --- | 819 | 129 | --- |
| Total | 13,564 | 14,922 | 10,129 | 17,802 | 8,810 | 16,361 | 67,218 | 17,686 | 9,077 | 19,290 | 21,575 | 4,331 |
| Mean | 438 | 497 | 327 | 574 | 304 | 528 | 2,241 | 571 | 303 | 622 | 696 | 144 |
| Max | 1,500 | 1,180 | 709 | 1,890 | 467 | 1,340 | 4,010 | 1,510 | 919 | 1,940 | 1,930 | 473 |
| Min | 40 | 175 | 171 | 202 | 190 | 165 | 305 | 229 | 140 | 114 | 129 | 87 |
| Cfsm | 2.28 | 2.59 | 1.70 | 2.99 | 1.58 | 2.75 | 11.7 | 2.97 | 1.58 | 3.24 | 3.62 | 0.75 |
| In. | 2.63 | 2.89 | 1.96 | 3.45 | 1.71 | 3.17 | 13.02 | 3.43 | 1.76 | 3.74 | 4.18 | 0.84 |

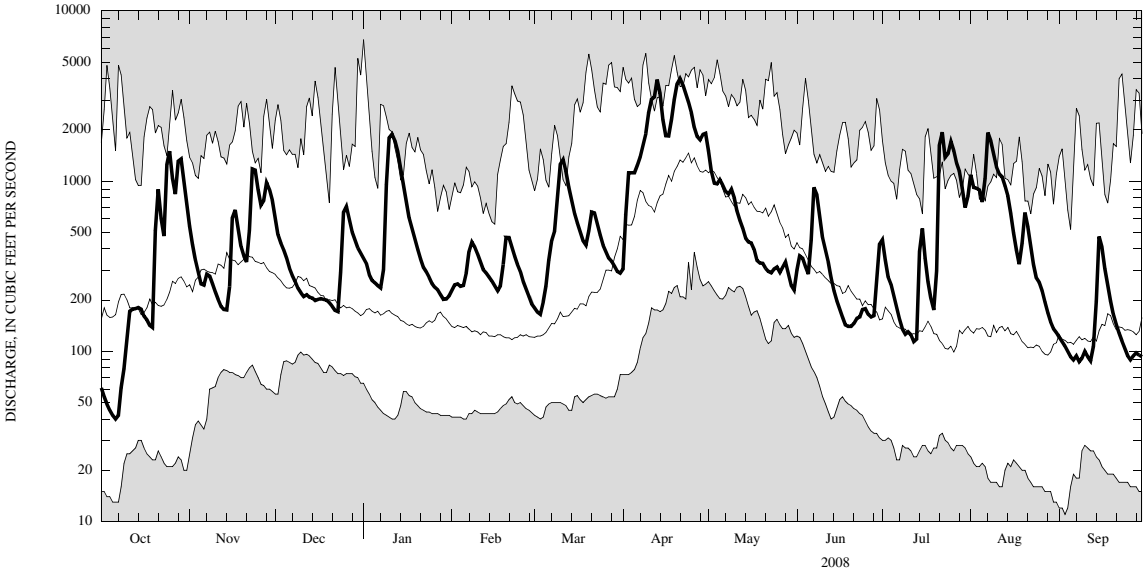
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2008, BY WATER YEAR (WY)**

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean | 324 | 408 | 326 | 250 | 189 | 382 | 1,192 | 880 | 341 | 206 | 191 | 217 |
| Max | 1,169 | 978 | 866 | 818 | 906 | 1,342 | 2,241 | 2,055 | 1,165 | 643 | 696 | 805 |
| (WY) | (1946) | (1928) | (1928) | (1949) | (1981) | (1936) | (2008) | (1947) | (1947) | (1972) | (2008) | (1938) |
| Min | 31.8 | 112 | 91.3 | 47.5 | 46.5 | 51.5 | 513 | 214 | 69.6 | 40.6 | 25.5 | 25.1 |
| (WY) | (1965) | (1945) | (1931) | (1940) | (1940) | (1940) | (1946) | (1987) | (1941) | (1933) | (1934) | (1948) |

**01312000 HUDSON RIVER NEAR NEWCOMB, NY—Continued**

## SUMMARY STATISTICS

| | Calendar Year 2007 | | Water Year 2008 | | Water Years 1926 - 2008 | |
|---|---|---|---|---|---|---|
| **Annual total** | 166,435 | | 220,765 | | | |
| **Annual mean** | 456 | | 603 | | 409 | |
| **Highest annual mean** | | | | | 639 | 1947 |
| **Lowest annual mean** | | | | | 237 | 1965 |
| **Highest daily mean** | 4,490 | Apr 25 | 4,010 | Apr 21 | 6,780 | Jan 1, 1949 |
| **Lowest daily mean** | 18 | Sep 7 | 40 | Oct 6 | 11 | Sep 3, 1934 |
| **Annual seven-day minimum** | 20 | Sep 2 | 48 | Oct 1 | 13 | Aug 29, 1934 |
| **Annual runoff (cfsm)** | 2.37 | | 3.14 | | 2.13 | |
| **Annual runoff (inches)** | 32.25 | | 42.77 | | 28.96 | |
| **10 percent exceeds** | 1,150 | | 1,440 | | 980 | |
| **50 percent exceeds** | 215 | | 334 | | 215 | |
| **90 percent exceeds** | 41 | | 129 | | 74 | |




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.