

## 01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46° 42' 02", long 69° 42' 56", Aroostook County, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.

DRAINAGE AREA.--1,341 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1950 to current year.

**CHEMICAL ANALYSES:** Water years 1976, 1981.

**SPECIFIC CONDUCTANCE:** October 1975 to September 1980.

**WATER TEMPERATURE:** October 1975 to September 1980.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 931.26 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 9-24 and Dec. 7 to Apr. 19, which are poor. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 464200069425701). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft<sup>3</sup>/s, May 1, 1974, gage height, 12.63 ft; maximum gage height, 23 ft, Apr. 11, 1991, estimated from flood marks (backwater from ice); minimum discharge, 32 ft<sup>3</sup>/s, Sept. 10, 2002; gage height, 0.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,300 ft<sup>3</sup>/s, Apr. 26, gage height, 10.23 ft; maximum gage height, 13.67 ft (backwater from ice); minimum discharge, 86 ft<sup>3</sup>/s, Aug. 30, gage height, 0.48 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG   | SEP    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|-------|--------|
| 1     | 384    | 788    | 6,600  | e3,290 | e912   | e587   | e930    | 21,500  | 3,760  | 450    | 502   | 3,500  |
| 2     | 362    | 874    | 5,080  | e3,710 | e885   | e573   | e1,060  | 19,600  | 3,010  | 420    | 483   | 4,740  |
| 3     | 335    | 861    | 3,920  | e3,610 | e863   | e578   | e1,380  | 15,400  | 2,330  | 430    | 606   | 3,000  |
| 4     | 319    | 1,020  | 3,250  | e3,230 | e842   | e584   | e2,010  | 11,600  | 1,840  | 398    | 683   | 1,900  |
| 5     | 304    | 1,080  | 2,790  | e2,870 | e821   | e581   | e3,400  | 8,970   | 1,510  | 347    | 598   | 1,270  |
| 6     | 290    | 1,130  | 2,030  | e2,630 | e816   | e578   | e6,250  | 7,160   | 1,310  | 329    | 454   | 898    |
| 7     | 279    | 1,260  | e1,770 | e2,430 | e816   | e569   | e8,770  | 6,180   | 1,750  | 335    | 357   | 674    |
| 8     | 291    | 1,600  | e2,060 | e2,260 | e831   | e573   | e10,700 | 5,540   | 2,180  | 309    | 294   | 551    |
| 9     | 268    | e1,570 | e2,130 | e2,120 | e846   | e581   | e11,100 | 5,170   | 1,800  | 321    | 246   | 549    |
| 10    | 252    | e1,260 | e1,980 | e1,980 | e859   | e592   | e10,500 | 4,950   | 1,450  | 1,660  | 209   | 764    |
| 11    | 241    | e1,030 | e1,920 | e1,890 | e864   | e613   | e9,520  | 4,670   | 1,250  | 2,970  | 187   | 661    |
| 12    | 243    | e854   | e1,990 | e1,810 | e855   | e631   | e8,270  | 4,400   | 1,130  | 1,950  | 167   | 530    |
| 13    | 240    | e617   | e2,000 | e1,730 | e835   | e637   | e7,360  | 3,810   | 1,030  | 1,190  | 176   | 438    |
| 14    | 231    | e590   | e1,920 | e1,760 | e804   | e648   | e6,400  | 3,100   | 1,140  | 791    | 198   | 365    |
| 15    | 228    | e590   | e1,830 | e1,970 | e782   | e644   | e5,900  | 2,760   | 3,360  | 593    | 186   | 316    |
| 16    | 296    | e572   | e1,770 | e2,260 | e767   | e635   | e5,760  | 3,990   | 5,540  | 481    | 165   | 278    |
| 17    | 1,670  | e490   | e1,700 | e2,160 | e767   | e626   | e6,860  | 4,880   | 5,990  | 403    | 156   | 271    |
| 18    | 3,580  | e481   | e1,630 | e1,880 | e797   | e622   | e9,870  | 4,500   | 7,530  | 375    | 139   | 343    |
| 19    | 3,360  | e463   | e1,570 | e1,690 | e816   | e609   | e13,700 | 3,800   | 6,700  | 336    | 119   | 926    |
| 20    | 2,530  | e452   | e1,510 | e1,550 | e801   | e600   | 17,700  | 3,160   | 4,880  | 443    | 111   | 1,170  |
| 21    | 1,930  | e444   | e1,460 | e1,450 | e757   | e600   | 20,000  | 2,670   | 3,410  | 539    | 114   | 1,030  |
| 22    | 1,540  | e435   | e1,420 | e1,360 | e721   | e600   | 17,600  | 2,420   | 2,520  | 437    | 113   | 967    |
| 23    | 1,290  | e428   | e1,430 | e1,290 | e696   | e611   | 14,800  | 2,700   | 2,010  | 425    | 116   | 849    |
| 24    | 1,100  | e478   | e1,700 | e1,220 | e676   | e618   | 15,700  | 3,780   | 1,580  | 622    | 128   | 897    |
| 25    | 957    | 2,030  | e4,660 | e1,170 | e654   | e618   | 23,200  | 3,460   | 1,230  | 800    | 127   | 866    |
| 26    | 854    | 8,380  | e5,390 | e1,120 | e633   | e613   | 30,100  | 2,810   | 1,000  | 876    | 135   | 1,130  |
| 27    | 771    | 7,290  | e5,230 | e1,080 | e615   | e626   | 25,500  | 2,810   | 845    | 1,290  | 119   | 11,200 |
| 28    | 696    | 5,800  | e4,700 | e1,040 | e598   | e648   | 22,200  | 3,090   | 712    | 1,400  | 103   | 11,700 |
| 29    | 634    | 6,910  | e4,160 | e1,000 | ---    | e695   | 24,900  | 2,890   | 600    | 1,230  | 95    | 7,590  |
| 30    | 588    | 8,260  | e3,600 | e963   | ---    | e746   | 21,800  | 2,740   | 516    | 884    | 92    | 5,670  |
| 31    | 597    | ---    | e3,210 | e935   | ---    | e827   | ---     | 3,490   | ---    | 631    | 135   | ---    |
| TOTAL | 26,660 | 58,037 | 86,410 | 59,458 | 21,929 | 19,263 | 363,240 | 178,000 | 73,913 | 23,665 | 7,313 | 65,043 |
| MEAN  | 860    | 1,935  | 2,787  | 1,918  | 783    | 621    | 12,110  | 5,742   | 2,464  | 763    | 236   | 2,168  |
| MAX   | 3,580  | 8,380  | 6,600  | 3,710  | 912    | 827    | 30,100  | 21,500  | 7,530  | 2,970  | 683   | 11,700 |
| MIN   | 228    | 428    | 1,420  | 935    | 598    | 569    | 930     | 2,420   | 516    | 309    | 92    | 271    |
| CFSM  | 0.64   | 1.44   | 2.08   | 1.43   | 0.58   | 0.46   | 9.03    | 4.28    | 1.84   | 0.57   | 0.18  | 1.62   |
| IN.   | 0.74   | 1.61   | 2.40   | 1.65   | 0.61   | 0.53   | 10.08   | 4.94    | 2.05   | 0.66   | 0.20  | 1.80   |

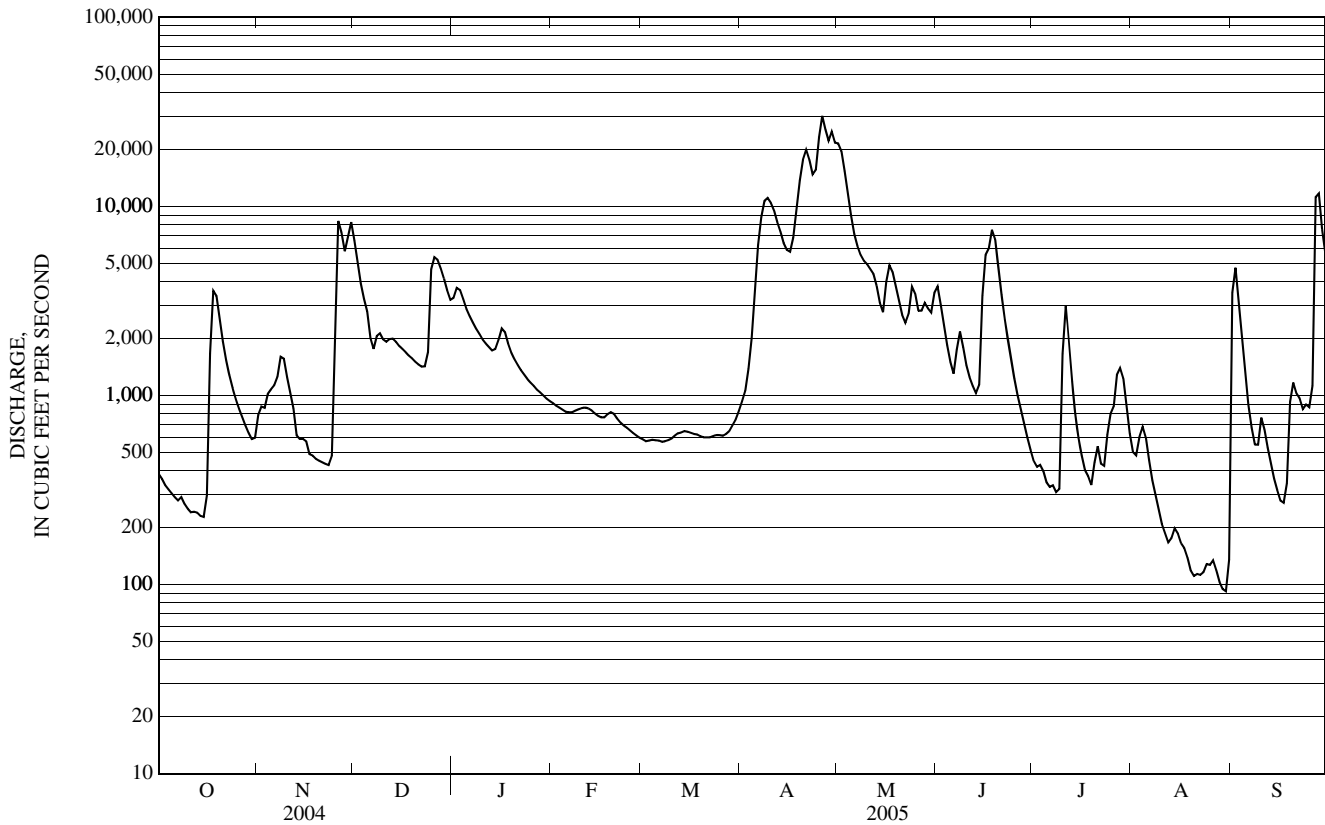
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1,865  | 2,238  | 1,394  | 740    | 611    | 998    | 7,521  | 6,880  | 2,081  | 1,462  | 1,311  | 1,327  |
| MAX  | 6,102  | 5,717  | 4,899  | 2,580  | 2,981  | 4,296  | 13,420 | 16,550 | 4,705  | 6,845  | 5,985  | 3,930  |
| (WY) | (1991) | (1964) | (1951) | (1995) | (1996) | (1979) | (1976) | (1961) | (1954) | (1984) | (1981) | (1954) |
| MIN  | 347    | 540    | 311    | 207    | 143    | 180    | 1,918  | 1,474  | 453    | 174    | 113    | 102    |
| (WY) | (1956) | (1957) | (1956) | (1957) | (1961) | (1956) | (1967) | (1987) | (1988) | (1952) | (1953) | (1952) |

e Estimated

## 01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1951 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 877,438                |        | 982,931             |        | 2,372                   |              |
| ANNUAL MEAN              | 2,397                  |        | 2,693               |        | 3,548                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,336                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 38,600                  |              |
| HIGHEST DAILY MEAN       | 23,100                 | Apr 20 | 30,100              | Apr 26 | 38,600                  | May 1, 1974  |
| LOWEST DAILY MEAN        | 228                    | Oct 15 | 92                  | Aug 30 | 34                      | Sep 10, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 243                    | Oct 9  | 114                 | Aug 24 | 42                      | Sep 5, 2002  |
| MAXIMUM PEAK FLOW        |                        |        | 31,300              | Apr 26 | 44,400                  | May 1, 1974  |
| MAXIMUM PEAK STAGE       |                        |        | 13.67               | Apr 10 | 23.00                   | Apr 11, 1991 |
| INSTANTANEOUS LOW FLOW   |                        |        | 86                  | Aug 30 | 32                      | Sep 10, 2002 |
| ANNUAL RUNOFF (CFSM)     | 1.79                   |        | 2.01                |        | 1.77                    |              |
| ANNUAL RUNOFF (INCHES)   | 24.34                  |        | 27.27               |        | 24.03                   |              |
| 10 PERCENT EXCEEDS       | 5,770                  |        | 6,640               |        | 6,000                   |              |
| 50 PERCENT EXCEEDS       | 1,360                  |        | 1,030               |        | 970                     |              |
| 90 PERCENT EXCEEDS       | 314                    |        | 295                 |        | 255                     |              |



## 01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION.--Lat 46° 53'38", long 69° 45'06", Aroostook County, Hydrologic Unit 01010001, on left bank at the Six Mile Landing Road Bridge, 4 mi northeast of Depot Mountain, 26.8 mi upstream from mouth.

DRAINAGE AREA.--171 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 885 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Nov. 9-25, Dec. 1 to Apr. 19, period of doubtful gage-height record, Mar. 30 to Sept. 30, and periods of no gage-height record, Dec. 31 to Jan. 1, July 6, Sept. 27-28, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,680 ft<sup>3</sup>/s Apr. 1, 1987; gage height, 15.62 ft; minimum daily discharge, 7.4 ft<sup>3</sup>/s, Sept. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date    | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|---------|------|-----------------------------------|---------------------|
| Apr 20 | 2015 | 3,340                             | 10.12               | May 1   | 1515 | 3,760                             | 10.62               |
| Apr 26 | 0400 | *5,870                            | *12.20              | Sept 27 | 1215 | 3,030                             | 9.74                |
| Apr 29 | 0400 | 5,270                             | 11.81               |         |      |                                   |                     |

Minimum daily discharge, 20 ft<sup>3</sup>/s, Aug. 18, 20.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC    | JAN   | FEB   | MAR   | APR    | MAY    | JUN    | JUL    | AUG  | SEP    |
|-------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|------|--------|
| 1     | 64    | 138   | e689   | e492  | e143  | e100  | e222   | e3,550 | e261   | e55    | e46  | e1,190 |
| 2     | 59    | 140   | e533   | e554  | e138  | e110  | e258   | e2,940 | e208   | e57    | e50  | e1,050 |
| 3     | 53    | 148   | e441   | e538  | e136  | e127  | e356   | e1,910 | e171   | e59    | e52  | e418   |
| 4     | 52    | 177   | e396   | e491  | e134  | e130  | e591   | e1,410 | e142   | e52    | e47  | e193   |
| 5     | 54    | 184   | e357   | e450  | e133  | e121  | e1,020 | e1,090 | e129   | e48    | e44  | e116   |
| 6     | 56    | 196   | e327   | e412  | e132  | e117  | e1,630 | e900   | e144   | e81    | e38  | e78    |
| 7     | 59    | 221   | e339   | e384  | e132  | e115  | e2,010 | e815   | e285   | e115   | e33  | e58    |
| 8     | 55    | 224   | e321   | e357  | e134  | e117  | e2,210 | e763   | e279   | e81    | e31  | e50    |
| 9     | 52    | e193  | e302   | e333  | e138  | e129  | e2,280 | e724   | e193   | e96    | e30  | e58    |
| 10    | 50    | e161  | e299   | e312  | e145  | e132  | e2,140 | e693   | e142   | e1,320 | e28  | e80    |
| 11    | 48    | e132  | e296   | e294  | e148  | e149  | e1,900 | e649   | e114   | e1,180 | e26  | e68    |
| 12    | 48    | e113  | e304   | e279  | e148  | e145  | e1,580 | e575   | e99    | e501   | e25  | e56    |
| 13    | 48    | e101  | e330   | e266  | e146  | e136  | e1,350 | e464   | e121   | e226   | e25  | e48    |
| 14    | 47    | e93   | e320   | e281  | e140  | e130  | e1,190 | e370   | e142   | e167   | e25  | e42    |
| 15    | 46    | e87   | e297   | e353  | e136  | e127  | e1,090 | e358   | e653   | e166   | e25  | e37    |
| 16    | 162   | e82   | e285   | e411  | e136  | e134  | e1,040 | e596   | e949   | e125   | e23  | e34    |
| 17    | 800   | e78   | e276   | e364  | e137  | e143  | e1,100 | e676   | e1,000 | e92    | e21  | e38    |
| 18    | 730   | e76   | e267   | e314  | e144  | e139  | e1,340 | e549   | e1,190 | e78    | e20  | e56    |
| 19    | 479   | e74   | e257   | e281  | e145  | e133  | e1,770 | e511   | e847   | e71    | e21  | e92    |
| 20    | 325   | e73   | e248   | e253  | e140  | e130  | e2,830 | e415   | e492   | e63    | e20  | e82    |
| 21    | 230   | e72   | e242   | e235  | e131  | e129  | e2,880 | e382   | e305   | e58    | e23  | e74    |
| 22    | 177   | e71   | e235   | e219  | e125  | e128  | e2,220 | e517   | e419   | e50    | e28  | e85    |
| 23    | 149   | e70   | e231   | e207  | e120  | e131  | e1,770 | e637   | e406   | e47    | e30  | e97    |
| 24    | 133   | e79   | e689   | e197  | e116  | e145  | e2,010 | e752   | e254   | e47    | e30  | e106   |
| 25    | 119   | e796  | e943   | e187  | e112  | e174  | e3,980 | e519   | e177   | e52    | e29  | e83    |
| 26    | 108   | 1,610 | e899   | e179  | e109  | e186  | e5,100 | e383   | e134   | e67    | e26  | e504   |
| 27    | 103   | 1,020 | e846   | e171  | e105  | e186  | e2,950 | e487   | e103   | e91    | e22  | e2,820 |
| 28    | 96    | 726   | e736   | e164  | e102  | e205  | e3,300 | e523   | e84    | e90    | e21  | e1,890 |
| 29    | 90    | 1,100 | e628   | e158  | ---   | e211  | e4,520 | e435   | e72    | e77    | e21  | e992   |
| 30    | 84    | 1,170 | e541   | e151  | ---   | e211  | e3,140 | e371   | e61    | e60    | e21  | e598   |
| 31    | 103   | ---   | e483   | e146  | ---   | e213  | ---    | e321   | ---    | e48    | e106 | ---    |
| TOTAL | 4,679 | 9,405 | 13,357 | 9,433 | 3,705 | 4,483 | 59,777 | 25,285 | 9,576  | 5,320  | 987  | 11,093 |
| MEAN  | 151   | 314   | 431    | 304   | 132   | 145   | 1,993  | 816    | 319    | 172    | 31.8 | 370    |
| MAX   | 800   | 1,610 | 943    | 554   | 148   | 213   | 5,100  | 3,550  | 1,190  | 1,320  | 106  | 2,820  |
| MIN   | 46    | 70    | 231    | 146   | 102   | 100   | 222    | 321    | 61     | 47     | 20   | 34     |
| CFSM  | 0.88  | 1.83  | 2.52   | 1.78  | 0.77  | 0.85  | 11.7   | 4.77   | 1.87   | 1.00   | 0.19 | 2.16   |
| IN.   | 1.02  | 2.05  | 2.91   | 2.05  | 0.81  | 0.98  | 13.00  | 5.50   | 2.08   | 1.16   | 0.21 | 2.41   |

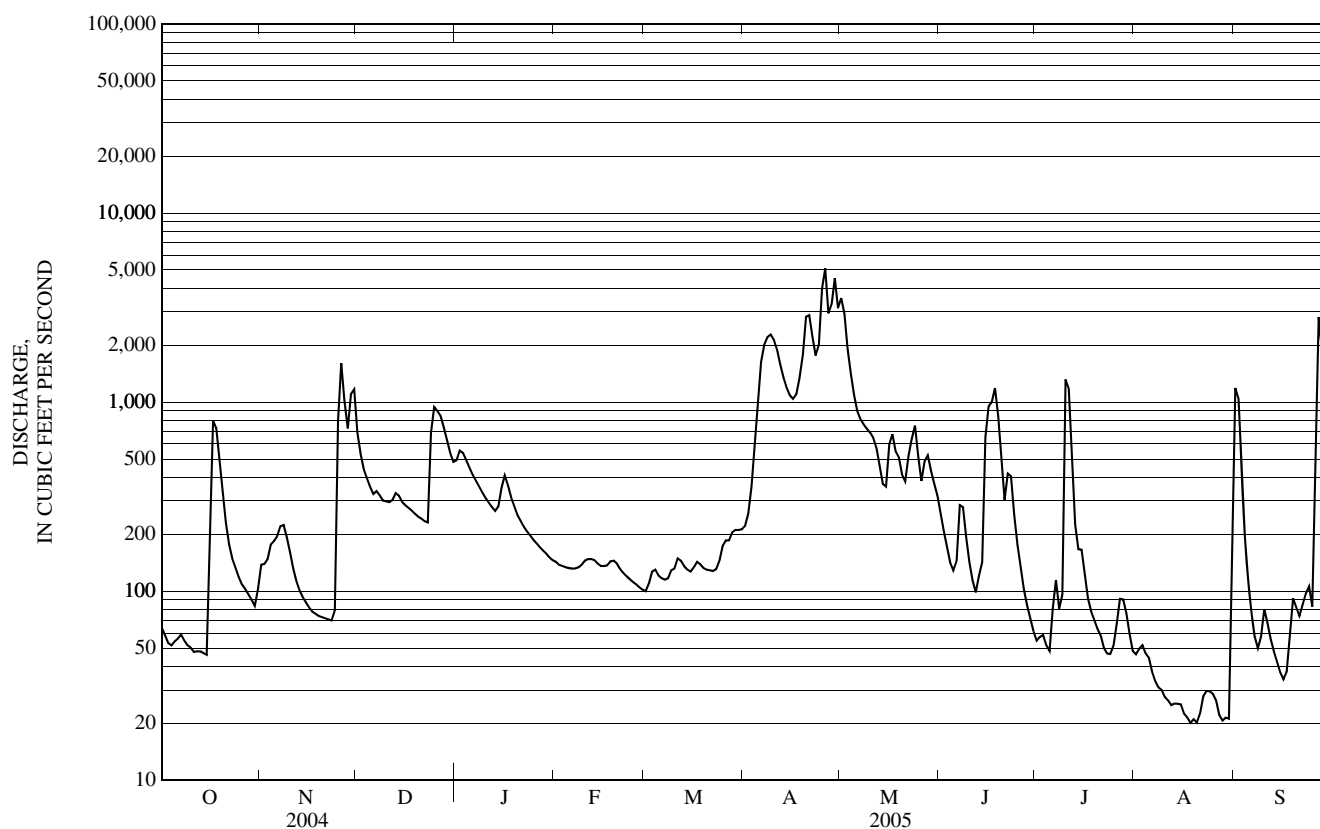
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2005, BY WATER YEAR (WY)

| MEAN | 242    | 321    | 204    | 108    | 85.4   | 200    | 1,293  | 706    | 245    | 203    | 151    | 135    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 710    | 612    | 708    | 304    | 393    | 852    | 1,993  | 1,766  | 762    | 691    | 748    | 389    |
| (WY) | (1991) | (1989) | (1991) | (2005) | (1996) | (1990) | (2005) | (1997) | (1994) | (1984) | (2003) | (2004) |
| MIN  | 39.2   | 113    | 41.8   | 27.5   | 13.6   | 25.9   | 678    | 152    | 57.2   | 38.5   | 17.6   | 17.1   |
| (WY) | (2003) | (2002) | (1998) | (1985) | (1985) | (1993) | (1985) | (1987) | (1998) | (1997) | (2001) | (2002) |

e Estimated

## 01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1984 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 119,818                |        | 157,100             |        | 324                     |              |
| ANNUAL MEAN              | 327                    |        | 430                 |        | 438                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 157                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1985                    |              |
| HIGHEST DAILY MEAN       | 4,660                  | Apr 20 | 5,100               | Apr 26 | 6,790                   | Apr 1, 1987  |
| LOWEST DAILY MEAN        | 43                     | Feb 27 | 20                  | Aug 18 | 7.4                     | Sep 24, 1985 |
| ANNUAL SEVEN-DAY MINIMUM | 44                     | Feb 24 | 22                  | Aug 15 | 8.0                     | Sep 20, 1985 |
| MAXIMUM PEAK FLOW        |                        |        | 5,870               | Apr 26 | 8,680                   | Apr 1, 1987  |
| MAXIMUM PEAK STAGE       |                        |        | 12.20               | Apr 26 | 15.62                   | Apr 1, 1987  |
| ANNUAL RUNOFF (CFSM)     | 1.91                   |        | 2.52                |        | 1.90                    |              |
| ANNUAL RUNOFF (INCHES)   | 26.07                  |        | 34.18               |        | 25.77                   |              |
| 10 PERCENT EXCEEDS       | 801                    |        | 1,090               |        | 834                     |              |
| 50 PERCENT EXCEEDS       | 140                    |        | 149                 |        | 117                     |              |
| 90 PERCENT EXCEEDS       | 55                     |        | 48                  |        | 31                      |              |



## 01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47° 06' 47", long 69° 05' 17", Aroostook County, Hydrologic Unit 01010001, on right bank at downstream side of State Route 161 highway bridge at Dickey, 0.4 mi downstream from Little Black River, and 2.8 mi upstream from Allagash River.

DRAINAGE AREA.--2,680 mi<sup>2</sup>.

## PERIOD OF RECORD.--

DISCHARGE: July to November 1910 and April to November 1911 (published as "near Dickey"), September 1946 to current year.

CHEMICAL ANALYSES: Water years 1952, 1975, 1981.

SPECIFIC CONDUCTANCE: April 1975 to September 1980.

WATER TEMPERATURE: April 1975 to September 1980.

SUSPENDED SEDIMENT DISCHARGE: October 1975 to September 1976.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-95-1: 1993, 1994. WDR ME-97-1: 1991(M) 1992(M) 1994(P).

GAGE.--Water-stage recorder. Datum of gage is 590.38 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 2,300 ft downstream at different datum. September 1946 to April 1962, water-stage recorder at site 1,300 ft downstream at same datum. April 1962 to August 1993, water-stage recorder at current site and datum. August 1993 to July 1998, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good, except for period of no gage-height record, July 28-31, which is fair, and periods of ice effect, Nov. 10-24, Dec. 3 to Apr. 21, which are poor. Gage is operated in conjunction with a co-located precipitation gage (station 470646069052501). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 91,700 ft<sup>3</sup>/s, Apr. 29, 1979, gage height, 19.13 ft; maximum gage height, 37.89 ft, from flood marks, Apr. 9, 1991 (backwater from ice); minimum discharge, 106 ft<sup>3</sup>/s, Sept. 10, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 27,000 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date    | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|---------|------|-----------------------------------|---------------------|
| Apr 20 | 2115 | Ic Jam                            | *22.30              | Sept 28 | 0445 | 27,200                            | 10.87               |
| Apr 26 | 1730 | 66,300                            | 16.31               |         |      |                                   |                     |

Minimum discharge, 236 ft<sup>3</sup>/s, Aug. 31, gage height, 3.32 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV     | DEC     | JAN     | FEB    | MAR    | APR     | MAY     | JUN     | JUL    | AUG    | SEP     |
|-------|--------|---------|---------|---------|--------|--------|---------|---------|---------|--------|--------|---------|
| 1     | 1,110  | 1,330   | 12,100  | e5,620  | e1,610 | e1,040 | e1,460  | 48,400  | 6,360   | 1,210  | 1,170  | 3,400   |
| 2     | 1,030  | 1,560   | 9,370   | e5,730  | e1,580 | e1,020 | e1,700  | 48,900  | 5,830   | 1,120  | 1,040  | 9,350   |
| 3     | 955    | 1,760   | e7,120  | e6,430  | e1,530 | e1,000 | e2,240  | 38,100  | 4,700   | 1,020  | 950    | 6,760   |
| 4     | 888    | 1,800   | e5,710  | e6,260  | e1,490 | e989   | e3,180  | 28,600  | 3,900   | 981    | 957    | 4,130   |
| 5     | 832    | 2,150   | e4,910  | e5,610  | e1,460 | e982   | e5,470  | 21,600  | 3,350   | 973    | 1,080  | 2,820   |
| 6     | 810    | 2,360   | e4,000  | e5,030  | e1,420 | e982   | e9,800  | 17,300  | 3,060   | 953    | 1,030  | 2,060   |
| 7     | 777    | 2,400   | e2,740  | e4,590  | e1,400 | e987   | e13,600 | 15,000  | 3,430   | 915    | 861    | 1,590   |
| 8     | 755    | 2,510   | e3,520  | e4,200  | e1,380 | e985   | e16,600 | 13,600  | 4,280   | 876    | 718    | 1,270   |
| 9     | 741    | 2,670   | e3,710  | e3,950  | e1,420 | e981   | e16,600 | 12,600  | 4,140   | 883    | 605    | 1,120   |
| 10    | 727    | e2,390  | e3,670  | e3,720  | e1,470 | e993   | e16,000 | 12,000  | 3,460   | 1,820  | 522    | 1,030   |
| 11    | 679    | e2,040  | e3,450  | e3,480  | e1,480 | e1,010 | e14,300 | 11,500  | 2,870   | 6,110  | 458    | 1,140   |
| 12    | 694    | e1,830  | e3,340  | e3,300  | e1,500 | e1,050 | e12,500 | 10,800  | 2,470   | 5,480  | 399    | 1,160   |
| 13    | 709    | e1,430  | e3,450  | e3,160  | e1,480 | e1,080 | e10,800 | 9,600   | 2,340   | 3,450  | 368    | 1,010   |
| 14    | 674    | e1,090  | e3,480  | e3,190  | e1,450 | e1,090 | e9,710  | 7,730   | 2,190   | 2,930  | 342    | 866     |
| 15    | 642    | e969    | e3,340  | e3,330  | e1,400 | e1,100 | e8,760  | 6,540   | 2,390   | 4,960  | 338    | 756     |
| 16    | 722    | e984    | e3,200  | e3,670  | e1,360 | e1,090 | e8,670  | 7,170   | 6,940   | 3,760  | 338    | 662     |
| 17    | 1,720  | e980    | e3,060  | e3,930  | e1,330 | e1,070 | e9,820  | 10,400  | 10,600  | 2,460  | 336    | 626     |
| 18    | 5,120  | e938    | e2,940  | e3,760  | e1,330 | e1,060 | e16,600 | 10,200  | 14,100  | 1,730  | 298    | 618     |
| 19    | 6,270  | e946    | e2,830  | e3,270  | e1,380 | e1,050 | e23,800 | 8,520   | 14,100  | 1,470  | 272    | 654     |
| 20    | 5,080  | e930    | e2,720  | e2,930  | e1,420 | e1,030 | e32,400 | 7,240   | 10,300  | 1,410  | 259    | 1,000   |
| 21    | 3,940  | e886    | e2,630  | e2,700  | e1,390 | e1,030 | e40,200 | 6,310   | 7,230   | 1,230  | 301    | 1,630   |
| 22    | 3,200  | e894    | e2,580  | e2,520  | e1,320 | e1,030 | 35,800  | 6,370   | 5,370   | 1,260  | 375    | 1,490   |
| 23    | 2,710  | e906    | e2,630  | e2,360  | e1,260 | e1,040 | 29,700  | 6,660   | 4,430   | 1,170  | 361    | 1,460   |
| 24    | 2,340  | e879    | e2,910  | e2,240  | e1,210 | e1,050 | 28,400  | 7,640   | 3,750   | 1,050  | 355    | 1,380   |
| 25    | 2,040  | 2,230   | e3,830  | e2,120  | e1,170 | e1,040 | 41,200  | 7,770   | 3,090   | 1,020  | 335    | 1,370   |
| 26    | 1,820  | 11,700  | e6,300  | e2,030  | e1,140 | e1,030 | 64,000  | 6,340   | 2,510   | 1,370  | 303    | 1,870   |
| 27    | 1,650  | 15,100  | e9,330  | e1,940  | e1,100 | e1,050 | 56,700  | 5,760   | 2,100   | 1,450  | 282    | 13,600  |
| 28    | 1,510  | 11,100  | e9,050  | e1,860  | e1,070 | e1,090 | 48,000  | 6,260   | 1,870   | e1,910 | 257    | 24,700  |
| 29    | 1,370  | 10,400  | e8,180  | e1,790  | ---    | e1,150 | 58,000  | 6,390   | 1,630   | e1,980 | 258    | 16,100  |
| 30    | 1,260  | 13,800  | e7,230  | e1,720  | ---    | e1,250 | 52,000  | 6,340   | 1,420   | e1,800 | 254    | 10,500  |
| 31    | 1,240  | ---     | e6,260  | e1,660  | ---    | e1,340 | ---     | 6,030   | ---     | e1,430 | 360    | ---     |
| TOTAL | 54,015 | 100,962 | 149,590 | 108,100 | 38,550 | 32,689 | 688,010 | 417,670 | 144,210 | 60,181 | 15,782 | 116,122 |
| MEAN  | 1,742  | 3,365   | 4,825   | 3,487   | 1,377  | 1,054  | 22,930  | 13,470  | 4,807   | 1,941  | 509    | 3,871   |
| MAX   | 6,270  | 15,100  | 12,100  | 6,430   | 1,610  | 1,340  | 64,000  | 48,900  | 14,100  | 6,110  | 1,170  | 24,700  |
| MIN   | 642    | 879     | 2,580   | 1,660   | 1,070  | 981    | 1,460   | 5,760   | 1,420   | 876    | 254    | 618     |
| CFSM  | 0.65   | 1.26    | 1.80    | 1.30    | 0.51   | 0.39   | 8.56    | 5.03    | 1.79    | 0.72   | 0.19   | 1.44    |
| IN.   | 0.75   | 1.40    | 2.08    | 1.50    | 0.54   | 0.45   | 9.55    | 5.80    | 2.00    | 0.84   | 0.22   | 1.61    |

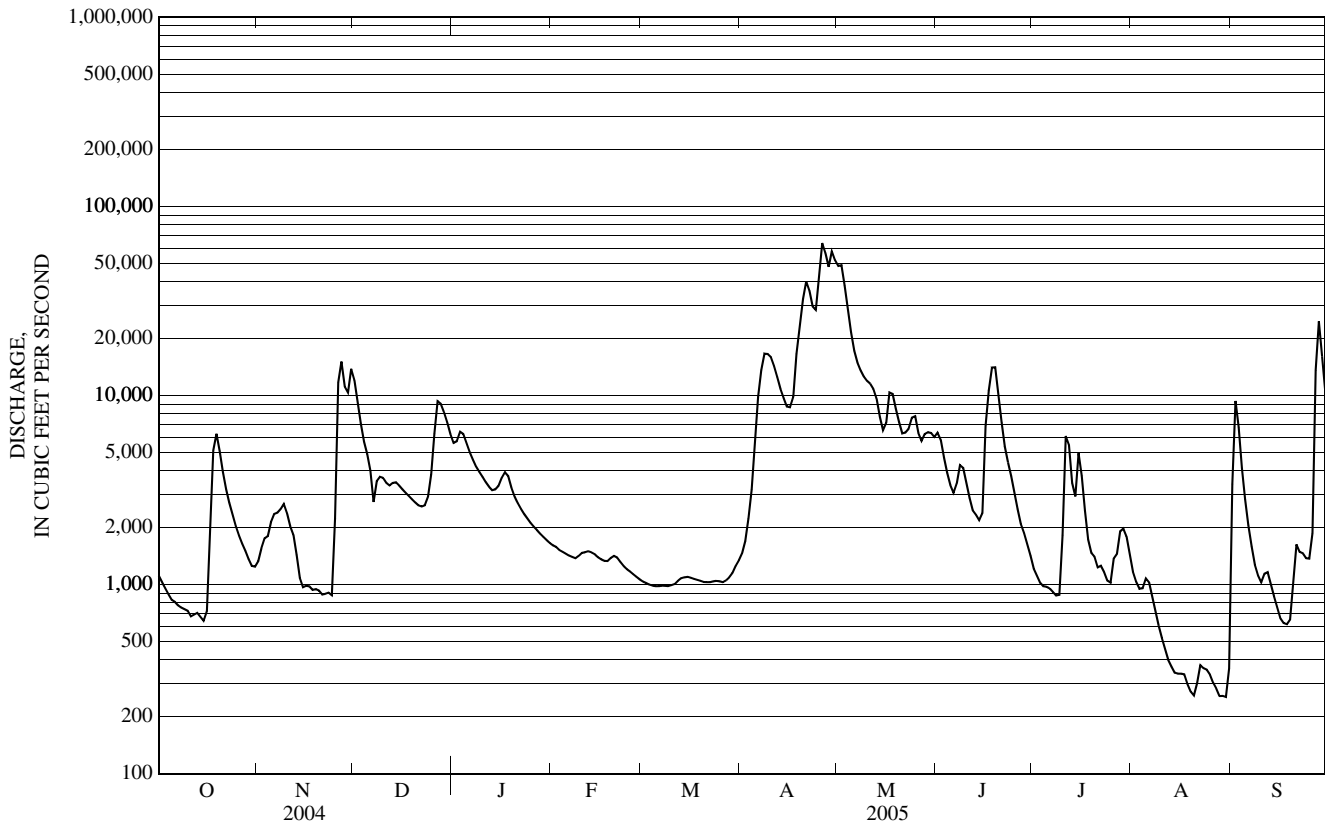
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2005, BY WATER YEAR (WY)

|      | MEAN   | 3,399  | 4,147  | 2,715  | 1,453  | 1,178  | 1,830  | 14,740 | 15,130 | 4,390  | 2,858  | 2,527  | 2,430 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| MAX  | 11,280 | 10,180 | 9,781  | 4,461  | 6,456  | 9,249  | 27,790 | 35,100 | 10,840 | 10,320 | 11,740 | 7,655  |       |
| (WY) | (1978) | (1964) | (1951) | (1995) | (1996) | (1979) | (1976) | (1961) | (1947) | (1984) | (1981) | (1954) |       |
| MIN  | 690    | 605    | 624    | 341    | 201    | 378    | 3,999  | 2,681  | 1,152  | 796    | 265    | 265    |       |
| (WY) | (1954) | (1948) | (1956) | (1948) | (1948) | (1956) | (1965) | (1987) | (1968) | (1991) | (1953) | (2002) |       |

e Estimated

## 01010500 ST. JOHN RIVER AT DICKEY, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1910 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 1,710,317              |        | 1,925,881           |        | 4,755                   |              |
| ANNUAL MEAN              | 4,673                  |        | 5,276               |        | 7,193                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 2,844                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1965                    |              |
| HIGHEST DAILY MEAN       | 47,300                 | Apr 21 | 64,000              | Apr 26 | 86,800                  | Apr 29, 1979 |
| LOWEST DAILY MEAN        | 642                    | Oct 15 | 254                 | Aug 30 | 110                     | Sep 10, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 692                    | Oct 10 | 292                 | Aug 24 | 119                     | Sep 4, 2002  |
| MAXIMUM PEAK FLOW        |                        |        | 66,300              | Apr 26 | 91,700                  | Apr 29, 1979 |
| MAXIMUM PEAK STAGE       |                        |        | 22.30               | Apr 20 | 37.89                   | Apr 9, 1991  |
| INSTANTANEOUS LOW FLOW   |                        |        | 236                 | Aug 31 | 106                     | Sep 10, 2002 |
| ANNUAL RUNOFF (CFSM)     | 1.74                   |        | 1.97                |        | 1.77                    |              |
| ANNUAL RUNOFF (INCHES)   | 23.74                  |        | 26.73               |        | 24.11                   |              |
| 10 PERCENT EXCEEDS       | 11,100                 |        | 12,000              |        | 11,900                  |              |
| 50 PERCENT EXCEEDS       | 2,780                  |        | 1,940               |        | 2,000                   |              |
| 90 PERCENT EXCEEDS       | 858                    |        | 749                 |        | 550                     |              |



## 01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

LOCATION.--Lat 47° 04'11", long 69° 04'46", Aroostook County, Hydrologic Unit 01010002, on left bank 3.0 mi upstream from mouth and village of Allagash.

DRAINAGE AREA.--1,229 mi<sup>2</sup>, not including 249 mi<sup>2</sup> drained by Chamberlain Lake through Telos Canal.

## PERIOD OF RECORD.--

DISCHARGE: July 1910 to November 1910, May to November 1911, September 1931 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.

CHEMICAL ANALYSES: Water years 1952-53, 1975, 1981.

SPECIFIC CONDUCTANCE: April 1975 to September 1980.

WATER TEMPERATURE: April 1975 to September 1980.

SUSPENDED SEDIMENT DISCHARGE: October 1975 to September 1976.

REVISED RECORDS.--WSP 1231: 1911. WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 604.6 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 3.0 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 10-24 and Dec. 3 to Apr. 19, which are poor. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft<sup>3</sup>, 58 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,900 ft<sup>3</sup>/s, Apr. 18, 1983, gage height, 13.68 ft; maximum gage height, 19.78 ft, Apr. 10, 1991 (backwater from ice); minimum discharge, 87 ft<sup>3</sup>/s, Sept. 11, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,300 ft<sup>3</sup>/s, Apr. 26, gage height, 12.12 ft; minimum discharge, 236 ft<sup>3</sup>/s, Aug. 20, gage height, 1.94 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 1     | 662    | 591    | 4,100  | e1,540 | e593   | e463   | e364    | 21,000  | 2,700  | 1,360  | 428    | 2,680  |
| 2     | 619    | 611    | 3,600  | e1,600 | e578   | e458   | e391    | 19,200  | 2,570  | 1,310  | 478    | 2,520  |
| 3     | 601    | 645    | e2,740 | e1,740 | e567   | e478   | e515    | 16,200  | 2,410  | 1,200  | 466    | 1,800  |
| 4     | 561    | 635    | e2,220 | e1,630 | e554   | e489   | e755    | 13,800  | 2,160  | 1,120  | 434    | 1,390  |
| 5     | 522    | 637    | e1,880 | e1,490 | e544   | e472   | e1,190  | 11,900  | 1,940  | 1,070  | 433    | 1,090  |
| 6     | 485    | 693    | e1,460 | e1,380 | e537   | e454   | e2,200  | 10,400  | 1,820  | 1,110  | 417    | 897    |
| 7     | 459    | 686    | e1,050 | e1,300 | e583   | e439   | e3,820  | 9,400   | 2,270  | 1,060  | 377    | 766    |
| 8     | 430    | 672    | e1,050 | e1,240 | e708   | e429   | e5,090  | 8,420   | 2,290  | 1,000  | 341    | 681    |
| 9     | 400    | 619    | e1,180 | e1,170 | e771   | e433   | e5,810  | 7,320   | 2,170  | 978    | 322    | 723    |
| 10    | 377    | e545   | e1,240 | e1,120 | e762   | e439   | e5,960  | 6,260   | 2,050  | 1,700  | 306    | 742    |
| 11    | 351    | e526   | e1,260 | e1,050 | e697   | e475   | e5,940  | 5,630   | 1,920  | 1,810  | 300    | 691    |
| 12    | 348    | e507   | e1,240 | e1,010 | e628   | e471   | e5,750  | 5,250   | 1,690  | 1,380  | 292    | 674    |
| 13    | 402    | e491   | e1,270 | e1,000 | e581   | e461   | e5,090  | 4,380   | 1,600  | 1,090  | 289    | 608    |
| 14    | 419    | e477   | e1,210 | e1,070 | e556   | e444   | e4,660  | 3,560   | 1,860  | 1,180  | 289    | 560    |
| 15    | 385    | e462   | e1,110 | e1,160 | e541   | e428   | e4,270  | 3,120   | 2,160  | 1,540  | 279    | 525    |
| 16    | 432    | e448   | e1,060 | e1,140 | e538   | e416   | e4,040  | 3,380   | 2,620  | 1,080  | 261    | 486    |
| 17    | 929    | e435   | e1,030 | e1,070 | e562   | e408   | e4,040  | 3,890   | 2,970  | 797    | 255    | 474    |
| 18    | 1,200  | e426   | e991   | e975   | e642   | e398   | e5,030  | 3,760   | 3,700  | 663    | 253    | 506    |
| 19    | 1,280  | e416   | e961   | e922   | e694   | e388   | e7,570  | 3,520   | 3,770  | 595    | 246    | 596    |
| 20    | 1,300  | e411   | e932   | e881   | e644   | e386   | 10,600  | 3,260   | 3,320  | 561    | 246    | 587    |
| 21    | 1,180  | e406   | e903   | e845   | e581   | e380   | 12,800  | 3,090   | 2,910  | 520    | 297    | 572    |
| 22    | 993    | e403   | e885   | e814   | e539   | e374   | 12,300  | 3,070   | 2,580  | 477    | 329    | 565    |
| 23    | 833    | e402   | e1,100 | e780   | e512   | e371   | 11,300  | 3,260   | 2,310  | 532    | 360    | 565    |
| 24    | 721    | e401   | e1,600 | e753   | e495   | e369   | 11,500  | 3,590   | 2,120  | 559    | 362    | 561    |
| 25    | 645    | 841    | e1,960 | e730   | e488   | e368   | 17,500  | 3,240   | 1,980  | 490    | 323    | 533    |
| 26    | 601    | 2,930  | e1,920 | e707   | e482   | e367   | 25,900  | 2,960   | 1,830  | 483    | 293    | 847    |
| 27    | 577    | 3,130  | e1,940 | e680   | e476   | e366   | 20,500  | 3,090   | 1,700  | 538    | 272    | 4,160  |
| 28    | 540    | 3,020  | e1,940 | e659   | e469   | e363   | 18,600  | 3,280   | 1,620  | 644    | 264    | 4,050  |
| 29    | 523    | 3,750  | e1,850 | e639   | ---    | e361   | 22,400  | 3,180   | 1,530  | 572    | 272    | 3,440  |
| 30    | 503    | 4,430  | e1,670 | e620   | ---    | e358   | 22,000  | 3,250   | 1,430  | 499    | 349    | 3,760  |
| 31    | 531    | ---    | e1,450 | e605   | ---    | e356   | ---     | 2,930   | ---    | 448    | 714    | ---    |
| TOTAL | 19,809 | 30,646 | 48,802 | 32,320 | 16,322 | 12,862 | 257,885 | 198,590 | 68,000 | 28,366 | 10,547 | 38,049 |
| MEAN  | 639    | 1,022  | 1,574  | 1,043  | 583    | 415    | 8,596   | 6,406   | 2,267  | 915    | 340    | 1,268  |
| MAX   | 1,300  | 4,430  | 4,100  | 1,740  | 771    | 489    | 25,900  | 21,000  | 3,770  | 1,810  | 714    | 4,160  |
| MIN   | 348    | 401    | 885    | 605    | 469    | 356    | 364     | 2,930   | 1,430  | 448    | 246    | 474    |
| CFSM  | 0.52   | 0.83   | 1.28   | 0.85   | 0.47   | 0.34   | 6.99    | 5.21    | 1.84   | 0.74   | 0.28   | 1.03   |
| IN.   | 0.60   | 0.93   | 1.48   | 0.98   | 0.49   | 0.39   | 7.81    | 6.01    | 2.06   | 0.86   | 0.32   | 1.15   |

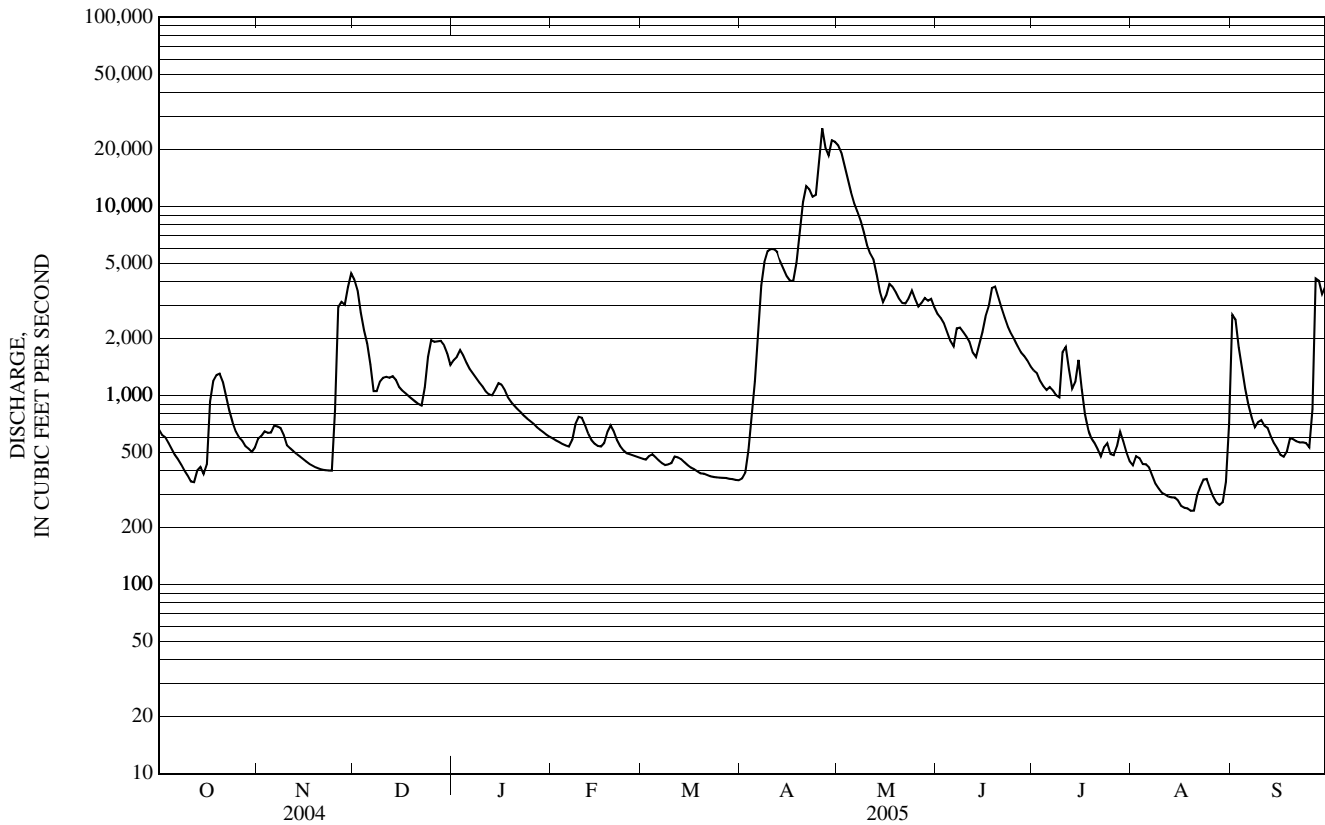
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2005, BY WATER YEAR (WY)

|      | MEAN   | 1,241  | 1,573  | 1,202  | 730    | 588    | 771    | 4,846  | 6,337  | 2,209  | 1,402  | 1,097  | 1,058 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| MAX  | 5,068  | 4,628  | 4,549  | 1,865  | 2,400  | 3,610  | 10,100 | 13,550 | 4,544  | 4,053  | 5,292  | 3,419  |       |
| (WY) | (1991) | (1964) | (1951) | (1958) | (1996) | (1979) | (1976) | (1961) | (1947) | (1954) | (1976) | (1999) |       |
| MIN  | 149    | 235    | 252    | 192    | 119    | 181    | 623    | 1,269  | 611    | 365    | 165    | 122    |       |
| (WY) | (1969) | (1969) | (1969) | (1948) | (1948) | (1956) | (1944) | (1987) | (1998) | (1965) | (1968) | (1968) |       |

e Estimated

## 01011000 ALLAGASH RIVER NEAR ALLAGASH, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1910 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 635,110                |        | 762,198             |        | 1,934                   |              |
| ANNUAL MEAN              | 1,735                  |        | 2,088               |        | 2,899                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 989                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1976                    |              |
| HIGHEST DAILY MEAN       | 13,400                 | Apr 20 | 25,900              | Apr 26 | 32,100                  | Apr 18, 1983 |
| LOWEST DAILY MEAN        | 302                    | Mar 2  | 246                 | Aug 19 | 91                      | Mar 9, 1948  |
| ANNUAL SEVEN-DAY MINIMUM | 307                    | Feb 26 | 261                 | Aug 14 | 91                      | Mar 9, 1948  |
| MAXIMUM PEAK FLOW        |                        |        | 27,300              | Apr 26 | 36,900                  | Apr 18, 1983 |
| MAXIMUM PEAK STAGE       |                        |        | 12.12               | Apr 26 | 19.78                   | Apr 10, 1991 |
| INSTANTANEOUS LOW FLOW   |                        |        | 236                 | Aug 20 | 87                      | Sep 11, 1960 |
| ANNUAL RUNOFF (CFSM)     | 1.41                   |        | 1.70                |        | 1.57                    |              |
| ANNUAL RUNOFF (INCHES)   | 19.22                  |        | 23.07               |        | 21.38                   |              |
| 10 PERCENT EXCEEDS       | 3,540                  |        | 4,120               |        | 4,620                   |              |
| 50 PERCENT EXCEEDS       | 1,260                  |        | 771                 |        | 971                     |              |
| 90 PERCENT EXCEEDS       | 394                    |        | 376                 |        | 315                     |              |



## ST. JOHN RIVER BASIN

01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR  
CONNORS, NEW BRUNSWICK

(International gaging station)

LOCATION.--Lat 47° 12'25", long 68° 57'25", Madawaska County, on left bank at outlet of Glasier Lake, 4.0 mi upstream from mouth, and 6.5 mi west of Connors.

DRAINAGE AREA.--524 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1951 to current year.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-97-1: 1992(M). WDR ME-00-1: 1999.

GAGE.--Water-stage recorder. Elevation of gage is 550 ft, from International Boundary Map.

REMARKS.--Records good, including period of no gage height record, Aug. 25. Satellite telemeter at station.

COOPERATION.--This station is maintained by Canada under agreement with the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft<sup>3</sup>/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily discharge, 60 ft<sup>3</sup>/s, Oct. 11, 1978.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,920 ft<sup>3</sup>/s, May 2, gage height, 12.38 ft; minimum discharge, 98 ft<sup>3</sup>/s, Aug. 29, gage height, 2.19 ft.DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB   | MAR   | APR     | MAY     | JUN    | JUL    | AUG   | SEP    |
|-------|--------|--------|--------|--------|-------|-------|---------|---------|--------|--------|-------|--------|
| 1     | 597    | 385    | 1,550  | 1,060  | 371   | 296   | 325     | 9,500   | 1,480  | 681    | 226   | 211    |
| 2     | 561    | 378    | 1,540  | 1,020  | 360   | 305   | 353     | 9,750   | 1,390  | 639    | 225   | 276    |
| 3     | 540    | 385    | 1,420  | 992    | 351   | 303   | 427     | 9,500   | 1,290  | 586    | 218   | 399    |
| 4     | 512    | 378    | 1,280  | 960    | 343   | 296   | 551     | 8,190   | 1,190  | 547    | 205   | 484    |
| 5     | 491    | 395    | 1,170  | 929    | 335   | 290   | 780     | 6,890   | 1,100  | 516    | 200   | 501    |
| 6     | 463    | 410    | 1,070  | 883    | 327   | 289   | 1,160   | 5,760   | 1,010  | 501    | 193   | 480    |
| 7     | 445    | 417    | 960    | 847    | 321   | 289   | 1,720   | 4,940   | 971    | 477    | 183   | 445    |
| 8     | 431    | 420    | 904    | 802    | 320   | 302   | 2,260   | 4,410   | 936    | 470    | 177   | 410    |
| 9     | 413    | 417    | 840    | 770    | 319   | 326   | 2,590   | 4,030   | 911    | 473    | 168   | 381    |
| 10    | 406    | 410    | 794    | 738    | 320   | 323   | 2,730   | 3,670   | 876    | 533    | 162   | 346    |
| 11    | 392    | 403    | 794    | 710    | 336   | 316   | 2,730   | 3,390   | 826    | 554    | 157   | 314    |
| 12    | 388    | 392    | 784    | 674    | 334   | 309   | 2,650   | 3,180   | 784    | 537    | 148   | 291    |
| 13    | 381    | 381    | 752    | 646    | 329   | 304   | 2,450   | 2,980   | 756    | 505    | 146   | 267    |
| 14    | 367    | 367    | 734    | 639    | 325   | 299   | 2,240   | 2,720   | 710    | 491    | 140   | 250    |
| 15    | 353    | 353    | 706    | 636    | 329   | 298   | 2,030   | 2,450   | 692    | 501    | 135   | 237    |
| 16    | 364    | 345    | 674    | 625    | 331   | 296   | 1,870   | 2,260   | 710    | 484    | 127   | 222    |
| 17    | 403    | 333    | 650    | 621    | 337   | 293   | 1,820   | 2,240   | 809    | 463    | 125   | 212    |
| 18    | 438    | 326    | 625    | 614    | 332   | 294   | 1,970   | 2,320   | 1,140  | 434    | 116   | 203    |
| 19    | 480    | 322    | 600    | 593    | 328   | 294   | 2,380   | 2,310   | 1,640  | 420    | 109   | 190    |
| 20    | 512    | 314    | 590    | 583    | 324   | 293   | 3,110   | 2,170   | 1,920  | 406    | 107   | 178    |
| 21    | 523    | 309    | 572    | 561    | 319   | 292   | 4,060   | 2,000   | 1,880  | 374    | 114   | 173    |
| 22    | 523    | 310    | 554    | 533    | 316   | 291   | 4,660   | 1,880   | 1,720  | 357    | 118   | 162    |
| 23    | 508    | 308    | 540    | 516    | 315   | 289   | 4,770   | 1,830   | 1,510  | 341    | 118   | 163    |
| 24    | 491    | 308    | 579    | 494    | 312   | 288   | 4,730   | 1,890   | 1,330  | 325    | 117   | 156    |
| 25    | 473    | 367    | 646    | 473    | 308   | 288   | 5,190   | 1,980   | 1,190  | 307    | e115  | 156    |
| 26    | 459    | 498    | 787    | 456    | 302   | 286   | 6,600   | 1,930   | 1,070  | 296    | 111   | 207    |
| 27    | 441    | 826    | 950    | 438    | 297   | 286   | 8,090   | 1,830   | 964    | 287    | 107   | 336    |
| 28    | 427    | 1,200  | 1,070  | 424    | 292   | 286   | 8,720   | 1,720   | 886    | 273    | 105   | 614    |
| 29    | 410    | 1,440  | 1,130  | 410    | ---   | 296   | 9,390   | 1,650   | 819    | 258    | 107   | 999    |
| 30    | 395    | 1,510  | 1,140  | 395    | ---   | 300   | 9,780   | 1,610   | 749    | 247    | 108   | 1,180  |
| 31    | 388    | ---    | 1,090  | 381    | ---   | 308   | ---     | 1,550   | ---    | 231    | 123   | ---    |
| TOTAL | 13,975 | 14,607 | 27,495 | 20,423 | 9,133 | 9,225 | 102,136 | 112,530 | 33,259 | 13,514 | 4,510 | 10,443 |
| MEAN  | 451    | 487    | 887    | 659    | 326   | 298   | 3,405   | 3,630   | 1,109  | 436    | 145   | 348    |
| MAX   | 597    | 1,510  | 1,550  | 1,060  | 371   | 326   | 9,780   | 9,750   | 1,920  | 681    | 226   | 1,180  |
| MIN   | 353    | 308    | 540    | 381    | 292   | 286   | 325     | 1,550   | 692    | 231    | 105   | 156    |
| CFSM  | 0.86   | 0.93   | 1.69   | 1.26   | 0.62  | 0.57  | 6.50    | 6.93    | 2.12   | 0.83   | 0.28  | 0.66   |
| IN.   | 0.99   | 1.04   | 1.95   | 1.45   | 0.65  | 0.65  | 7.25    | 7.99    | 2.36   | 0.96   | 0.32  | 0.74   |

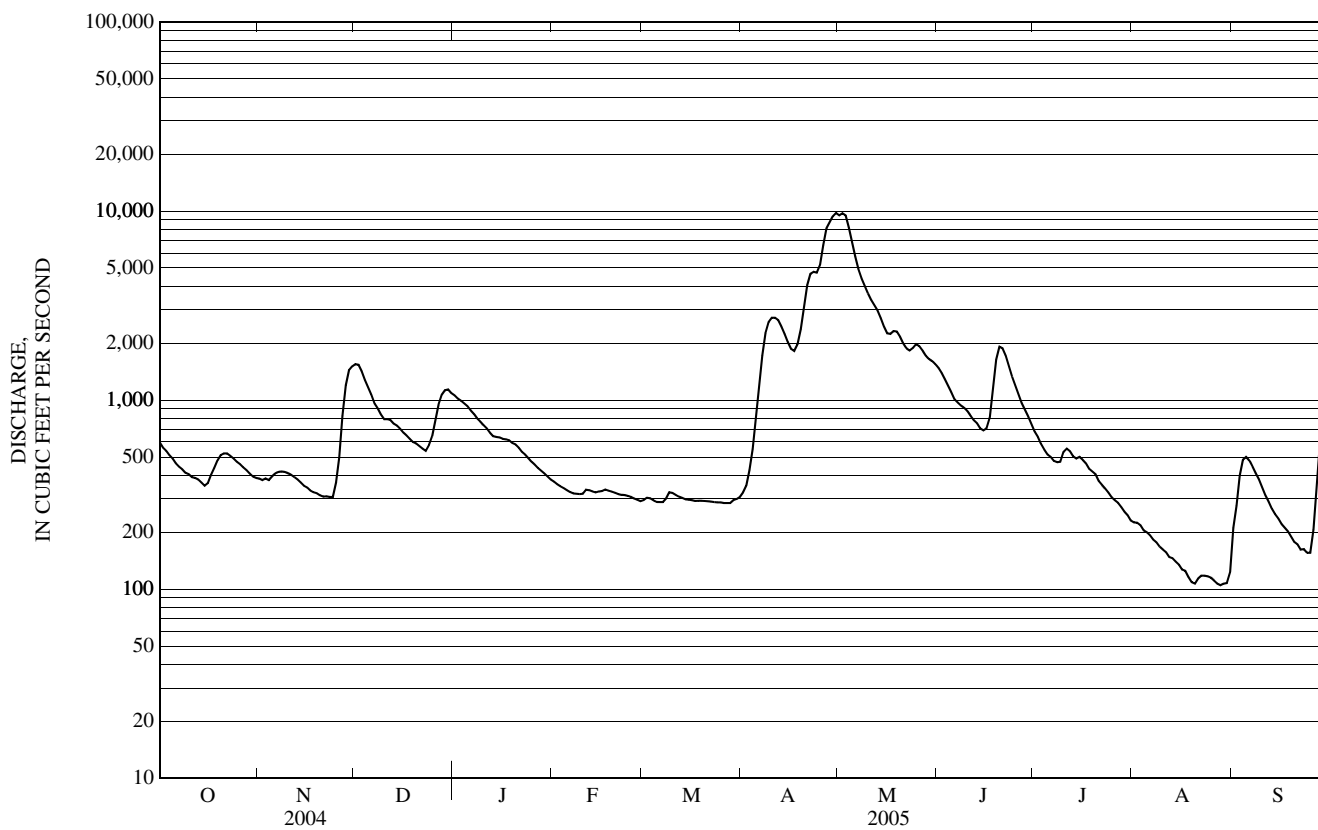
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 519    | 713    | 559    | 340    | 275    | 318    | 2,219  | 3,282  | 951    | 518    | 452    | 390    |
| MAX  | 1,650  | 1,889  | 1,513  | 906    | 1,072  | 1,116  | 4,554  | 6,360  | 1,954  | 1,730  | 2,055  | 1,427  |
| (WY) | (1955) | (1964) | (2004) | (2004) | (1981) | (1981) | (1983) | (1974) | (1994) | (1992) | (1981) | (2004) |
| MIN  | 84.3   | 97.4   | 102    | 115    | 111    | 107    | 558    | 606    | 438    | 206    | 101    | 83.4   |
| (WY) | (1969) | (1979) | (1979) | (1990) | (2003) | (1962) | (1967) | (1987) | (1998) | (1991) | (1978) | (1978) |

e Estimated

## 01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1952 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 383,737                |        | 371,250             |        | 880                     |              |
| ANNUAL MEAN              | 1,048                  |        | 1,017               |        | 1,285                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 485                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1958                    |              |
| HIGHEST DAILY MEAN       | 5,330                  | Apr 23 | 9,780               | Apr 30 | 14,500                  | Apr 30, 1979 |
| LOWEST DAILY MEAN        | 186                    | Mar 25 | 105                 | Aug 28 | 60                      | Oct 11, 1978 |
| ANNUAL SEVEN-DAY MINIMUM | 192                    | Mar 20 | 110                 | Aug 24 | 64                      | Oct 3, 2000  |
| MAXIMUM PEAK FLOW        |                        |        | 9,960               | Apr 30 | 15,000                  | Apr 30, 1979 |
| MAXIMUM PEAK STAGE       |                        |        | 12.39               | Apr 30 | 15.39                   | Apr 30, 1979 |
| ANNUAL RUNOFF (CFSM)     | 2.00                   |        | 1.94                |        | 1.68                    |              |
| ANNUAL RUNOFF (INCHES)   | 27.24                  |        | 26.36               |        | 22.83                   |              |
| 10 PERCENT EXCEEDS       | 2,210                  |        | 2,250               |        | 2,100                   |              |
| 50 PERCENT EXCEEDS       | 772                    |        | 470                 |        | 425                     |              |
| 90 PERCENT EXCEEDS       | 258                    |        | 206                 |        | 150                     |              |



## 01013500 FISH RIVER NEAR FORT KENT, ME

LOCATION.--Lat 47° 14'15", long 68° 34'58", Aroostook County, Hydrologic Unit 01010003, on right bank, 2 mi upstream from mouth, and 2 mi south of Fort Kent.

DRAINAGE AREA.--873 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: July 1903 to December 1908 and May to November 1911 (published as "at Wallagrass"), September 1929 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.

REVISED RECORDS.--WSP 2101: 1969(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 511.38 ft above National Geodetic Vertical Datum of 1929. July 1903 to December 1908 and May to November 1911, nonrecording gage at site 10 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 25-28, 30, Jan. 2 to Apr. 6, and periods of doubtful gage-height record, Aug. 4-16, Sept. 2-12, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft<sup>3</sup>/s, Apr. 30, 1973, gage height, 12.43 ft; minimum discharge, 34 ft<sup>3</sup>/s, Aug. 29, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft<sup>3</sup>/s, May 1, gage height, 10.88 ft; minimum discharge, 154 ft<sup>3</sup>/s, Aug. 29, gage height, 2.34 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG   | SEP    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|-------|--------|
| 1     | 857    | 606    | 1,980  | 1,770  | e743   | e565   | e395    | 13,800  | 3,390  | 1,190  | 549   | 993    |
| 2     | 821    | 594    | 2,190  | e1,740 | e730   | e572   | e399    | 13,500  | 3,220  | 1,090  | 529   | e598   |
| 3     | 780    | 592    | 2,240  | e1,700 | e718   | e565   | e527    | 12,800  | 3,040  | 1,010  | 495   | e543   |
| 4     | 742    | 582    | 2,250  | e1,650 | e708   | e547   | e755    | 11,900  | 2,850  | 954    | e472  | e504   |
| 5     | 688    | 612    | 2,230  | e1,600 | e699   | e528   | e1,180  | 11,000  | 2,660  | 904    | e458  | e481   |
| 6     | 665    | 636    | 2,150  | e1,550 | e692   | e520   | e1,720  | 10,200  | 2,570  | 878    | e418  | e459   |
| 7     | 632    | 640    | 2,070  | e1,490 | e685   | e513   | 2,500   | 9,450   | 2,510  | 835    | e408  | e447   |
| 8     | 608    | 626    | 2,060  | e1,440 | e680   | e517   | 2,990   | 8,740   | 2,340  | 784    | e366  | e447   |
| 9     | 595    | 612    | 2,000  | e1,380 | e674   | e522   | 3,460   | 8,220   | 2,210  | 751    | e348  | e441   |
| 10    | 567    | 596    | 1,910  | e1,320 | e670   | e509   | 3,820   | 7,640   | 2,100  | 1,100  | e336  | e421   |
| 11    | 533    | 596    | 1,910  | e1,270 | e678   | e491   | 4,090   | 7,070   | 1,970  | 916    | e323  | e399   |
| 12    | 525    | 567    | 1,920  | e1,230 | e689   | e478   | 4,250   | 6,510   | 1,900  | 871    | e307  | e383   |
| 13    | 570    | 544    | 1,830  | e1,190 | e684   | e473   | 4,340   | 5,990   | 1,990  | 843    | e304  | 379    |
| 14    | 552    | 530    | 1,760  | e1,160 | e666   | e467   | 4,350   | 5,540   | 2,030  | 935    | e282  | 374    |
| 15    | 535    | 526    | 1,670  | e1,130 | e656   | e462   | 4,310   | 5,150   | 2,000  | 1,150  | e263  | 360    |
| 16    | 717    | 512    | 1,610  | e1,130 | e656   | e457   | 4,290   | 4,930   | 2,060  | 1,140  | e245  | 343    |
| 17    | 852    | 497    | 1,550  | e1,120 | e656   | e453   | 4,450   | 4,730   | 2,060  | 1,130  | 229   | 350    |
| 18    | 834    | 496    | 1,460  | e1,110 | e656   | e448   | 4,840   | 4,470   | 2,210  | 1,110  | 205   | 363    |
| 19    | 811    | 487    | 1,400  | e1,100 | e652   | e445   | 5,330   | 4,210   | 2,260  | 1,100  | 193   | 369    |
| 20    | 798    | 476    | 1,350  | e1,080 | e648   | e441   | 6,220   | 3,950   | 2,220  | 1,080  | 191   | 358    |
| 21    | 787    | 476    | 1,300  | e1,040 | e644   | e438   | 6,960   | 3,770   | 2,140  | 1,010  | 216   | 367    |
| 22    | 771    | 470    | 1,240  | e999   | e634   | e435   | 7,230   | 3,600   | 2,010  | 940    | 240   | 361    |
| 23    | 752    | 463    | 1,210  | e958   | e624   | e432   | 7,350   | 3,840   | 1,910  | 909    | 243   | 365    |
| 24    | 729    | 466    | 1,580  | e920   | e612   | e429   | 7,580   | 3,830   | 1,800  | 836    | 210   | 345    |
| 25    | 710    | 718    | e1,590 | e892   | e602   | e427   | 9,420   | 3,760   | 1,680  | 796    | 192   | 336    |
| 26    | 687    | 912    | e1,830 | e862   | e592   | e425   | 12,000  | 3,630   | 1,580  | 743    | 178   | 496    |
| 27    | 663    | 950    | e1,750 | e837   | e582   | e424   | 11,700  | 3,690   | 1,480  | 733    | 168   | 1,040  |
| 28    | 639    | 1,060  | e1,950 | e812   | e573   | e422   | 12,000  | 3,670   | 1,400  | 696    | 165   | 960    |
| 29    | 622    | 1,550  | 1,800  | e793   | ---    | e417   | 13,400  | 3,630   | 1,320  | 658    | 166   | 1,090  |
| 30    | 606    | 1,770  | e1,770 | e775   | ---    | e409   | 13,400  | 3,630   | 1,250  | 607    | 191   | 1,260  |
| 31    | 627    | ---    | 1,750  | e757   | ---    | e403   | ---     | 3,520   | ---    | 567    | 309   | ---    |
| TOTAL | 21,275 | 20,162 | 55,310 | 36,805 | 18,503 | 14,634 | 165,256 | 200,370 | 64,160 | 28,266 | 9,199 | 15,632 |
| MEAN  | 686    | 672    | 1,784  | 1,187  | 661    | 472    | 5,509   | 6,464   | 2,139  | 912    | 297   | 521    |
| MAX   | 857    | 1,770  | 2,250  | 1,770  | 743    | 572    | 13,400  | 13,800  | 3,390  | 1,190  | 549   | 1,260  |
| MIN   | 525    | 463    | 1,210  | 757    | 573    | 403    | 395     | 3,520   | 1,250  | 567    | 165   | 336    |
| CFSM  | 0.79   | 0.77   | 2.04   | 1.36   | 0.76   | 0.54   | 6.31    | 7.40    | 2.45   | 1.04   | 0.34  | 0.60   |
| IN.   | 0.91   | 0.86   | 2.36   | 1.57   | 0.79   | 0.62   | 7.04    | 8.54    | 2.73   | 1.20   | 0.39  | 0.67   |

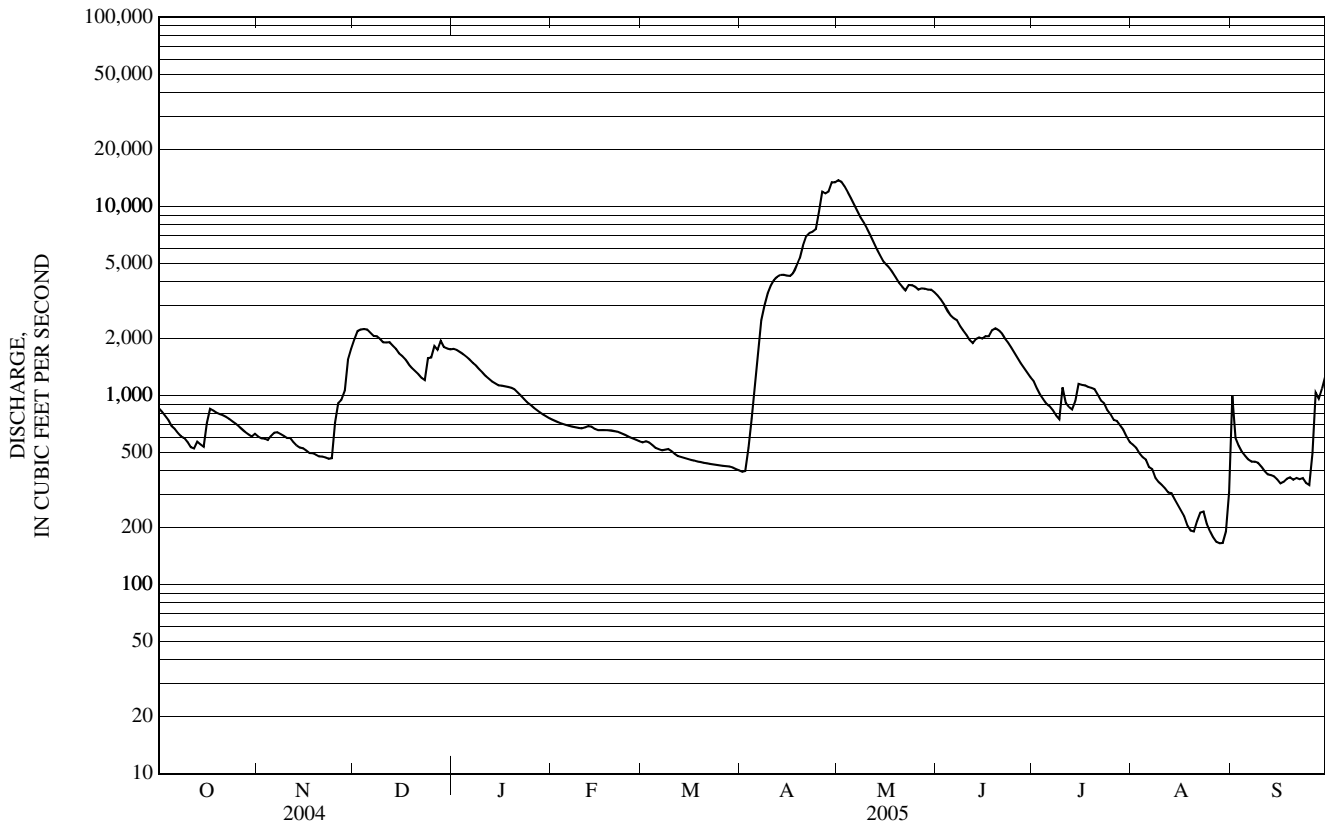
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 758    | 1,186  | 1,084  | 638    | 496    | 570    | 3,167  | 5,064  | 1,769  | 952    | 711    | 579    |
| MAX  | 2,776  | 4,116  | 4,688  | 1,891  | 1,750  | 3,104  | 7,495  | 8,951  | 3,696  | 3,075  | 3,571  | 2,492  |
| (WY) | (1991) | (1964) | (1951) | (1958) | (1996) | (1936) | (1953) | (1969) | (1961) | (1954) | (1954) | (1963) |
| MIN  | 63.1   | 98.2   | 103    | 149    | 116    | 107    | 390    | 1,327  | 652    | 294    | 112    | 51.7   |
| (WY) | (1906) | (1906) | (1956) | (1904) | (1904) | (1944) | (1944) | (1987) | (1988) | (1965) | (1968) | (1968) |

e Estimated

## 01013500 FISH RIVER NEAR FORT KENT, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1903 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 513,333                |        | 649,572             |        | 1,423                   |              |
| ANNUAL MEAN              | 1,403                  |        | 1,780               |        | 2,175                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 773                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1965                    |              |
| HIGHEST DAILY MEAN       | 6,260                  | Apr 22 | 13,800              | May 1  | 15,600                  | Apr 30, 1973 |
| LOWEST DAILY MEAN        | 344                    | Mar 2  | 165                 | Aug 28 | 42                      | Oct 4, 1995  |
| ANNUAL SEVEN-DAY MINIMUM | 350                    | Feb 27 | 181                 | Aug 24 | 44                      | Oct 1, 1995  |
| MAXIMUM PEAK FLOW        |                        |        | 14,000              | May 1  | 15,800                  | Apr 30, 1973 |
| MAXIMUM PEAK STAGE       |                        |        | 10.88               | May 1  | 12.43                   | Apr 30, 1973 |
| INSTANTANEOUS LOW FLOW   |                        |        | 154                 | Aug 29 | 34                      | Aug 29, 1968 |
| ANNUAL RUNOFF (CFSM)     | 1.61                   |        | 2.04                |        | 1.63                    |              |
| ANNUAL RUNOFF (INCHES)   | 21.87                  |        | 27.68               |        | 22.14                   |              |
| 10 PERCENT EXCEEDS       | 2,680                  |        | 4,270               |        | 3,600                   |              |
| 50 PERCENT EXCEEDS       | 1,080                  |        | 811                 |        | 728                     |              |
| 90 PERCENT EXCEEDS       | 431                    |        | 377                 |        | 226                     |              |



## 01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME

(International gaging station)

LOCATION.--Lat 47° 15'29", long 68° 35'45", Aroostook County, Hydrologic Unit 01010001, on left bank at Clair, New Brunswick, Canada, and 0.3 miles downstream from Fish River.

DRAINAGE AREA.--5,665 mi<sup>2</sup>, not including 249 mi<sup>2</sup> drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

DISCHARGE: October 1926 to current year. Prior to October 1931, published as "at Fort Kent."

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 488.81 ft above National Geodetic Vertical Datum of 1929. Prior to October 10, 1933, nonrecording gage, and October 10, 1933 to August 23, 2001 and November 5, 2002 to September 30, 2004, water-stage recorder on right bank in Fort Kent, Maine, at same datum.

REMARKS.--Records good, except for periods of doubtful gage-height record, Oct. 13-14, 16, period of no gage-height record, Oct. 8-12, which are fair, and periods of ice effect, Nov. 10-24, Dec. 3 to Apr. 18, which are poor. Telephone and satellite telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft<sup>3</sup>/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily discharge, 510 ft<sup>3</sup>/s, Mar. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45,000 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Apr 21 | 1045 | 72,100                            | 18.63               | Apr 26 | 1900 | *116,000                          | *23.89              |

Minimum discharge, 870 ft<sup>3</sup>/s, Aug. 29, gage height, 1.07 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT     | NOV     | DEC     | JAN     | FEB    | MAR    | APR       | MAY       | JUN     | JUL     | AUG    | SEP     |
|-------|---------|---------|---------|---------|--------|--------|-----------|-----------|---------|---------|--------|---------|
| 1     | 4,000   | 3,470   | 21,800  | e10,700 | e3,570 | e2,200 | e2,310    | 96,900    | 14,700  | 4,960   | 2,690  | 4,950   |
| 2     | 3,750   | 3,570   | 19,300  | e10,800 | e3,470 | e2,210 | e2,490    | 97,300    | 14,200  | 4,640   | 2,470  | 11,800  |
| 3     | 3,540   | 3,930   | e16,300 | e11,500 | e3,370 | e2,180 | e3,080    | 84,400    | 12,700  | 4,230   | 2,350  | 11,400  |
| 4     | 3,340   | 3,990   | e12,500 | e11,000 | e3,280 | e2,180 | e5,060    | 69,300    | 11,300  | 3,940   | 2,160  | 8,050   |
| 5     | 3,130   | 4,210   | e13,000 | e9,770  | e3,200 | e2,150 | e9,180    | 56,900    | 10,100  | 3,770   | 2,160  | 5,920   |
| 6     | 2,950   | 4,640   | e12,400 | e8,660  | e3,130 | e2,110 | e15,600   | 47,600    | 9,370   | 3,740   | 2,200  | 4,640   |
| 7     | 2,820   | 4,730   | e10,700 | e7,970  | e3,090 | e2,090 | e23,100   | 41,800    | 9,550   | 3,590   | 2,050  | 3,840   |
| 8     | e2,690  | 4,720   | e9,320  | e7,530  | e3,090 | e2,100 | e28,600   | 38,000    | 10,300  | 3,420   | 1,810  | 3,280   |
| 9     | e2,600  | 4,840   | e9,320  | e7,170  | e3,100 | e2,130 | e30,400   | 34,700    | 10,400  | 3,300   | 1,620  | 2,940   |
| 10    | e2,520  | e4,510  | e9,730  | e6,850  | e3,120 | e2,150 | e30,400   | 31,600    | 9,460   | 5,040   | 1,480  | 2,800   |
| 11    | e2,450  | e4,340  | e9,880  | e6,570  | e3,110 | e2,200 | e29,300   | 29,500    | 8,470   | 8,260   | 1,390  | 2,640   |
| 12    | e2,400  | e3,990  | e8,940  | e6,250  | e3,080 | e2,270 | e26,900   | 27,600    | 7,730   | 9,720   | 1,270  | 2,740   |
| 13    | 2,620   | e3,630  | e8,180  | e6,040  | e3,060 | e2,310 | e24,600   | 25,000    | 7,460   | 7,220   | 1,230  | 2,580   |
| 14    | 2,650   | e3,000  | e7,760  | e5,950  | e3,040 | e2,330 | e22,400   | 21,600    | 7,270   | 5,790   | 1,160  | 2,330   |
| 15    | 2,520   | e3,070  | e7,400  | e5,900  | e3,040 | e2,320 | e20,800   | 19,000    | 7,620   | 7,990   | 1,120  | 2,130   |
| 16    | 3,020   | e3,010  | e7,080  | e6,260  | e3,010 | e2,290 | e20,100   | 18,400    | 10,500  | 7,900   | 1,070  | 1,960   |
| 17    | 3,940   | e2,930  | e6,800  | e6,460  | e2,900 | e2,270 | e21,300   | 21,300    | 16,400  | 5,940   | 1,050  | 1,860   |
| 18    | 6,790   | e3,180  | e6,530  | e6,310  | e2,740 | e2,240 | e29,900   | 22,000    | 20,200  | 4,660   | 994    | 1,840   |
| 19    | 9,940   | e3,090  | e6,280  | e5,870  | e2,650 | e2,220 | 41,900    | 20,000    | 22,800  | 3,990   | 936    | 1,880   |
| 20    | 9,260   | e2,980  | e6,070  | e5,290  | e2,570 | e2,190 | 55,700    | 18,100    | 19,700  | 3,800   | 921    | 1,960   |
| 21    | 7,970   | e2,810  | e5,870  | e4,890  | e2,510 | e2,180 | 67,600    | 16,500    | 16,000  | 3,500   | 979    | 2,640   |
| 22    | 6,820   | e2,780  | e5,670  | e4,720  | e2,460 | e2,180 | 66,100    | 15,900    | 13,300  | 3,200   | 1,150  | 2,910   |
| 23    | 5,920   | e2,820  | e5,470  | e4,570  | e2,400 | e2,180 | 58,000    | 16,800    | 11,400  | 3,160   | 1,240  | 2,850   |
| 24    | 5,270   | e2,810  | e6,090  | e4,450  | e2,350 | e2,170 | 54,600    | 17,600    | 10,100  | 3,010   | 1,190  | 2,740   |
| 25    | 4,780   | 4,140   | e7,450  | e4,330  | e2,310 | e2,170 | 71,200    | 18,000    | 8,980   | 2,810   | 1,140  | 2,610   |
| 26    | 4,390   | 11,800  | e9,750  | e4,220  | e2,270 | e2,160 | 111,000   | 16,400    | 7,970   | 2,800   | 1,050  | 3,310   |
| 27    | 4,120   | 21,700  | e13,500 | e4,110  | e2,250 | e2,160 | 107,000   | 15,600    | 7,130   | 3,100   | 966    | 12,100  |
| 28    | 3,860   | 18,500  | e15,500 | e4,010  | e2,210 | e2,150 | 93,700    | 15,800    | 6,490   | 3,370   | 914    | 29,200  |
| 29    | 3,640   | 18,300  | e14,700 | e3,900  | ---    | e2,150 | 104,000   | 16,000    | 5,940   | 3,680   | 916    | 23,600  |
| 30    | 3,440   | 21,700  | e13,200 | e3,780  | ---    | e2,170 | 104,000   | 15,800    | 5,400   | 3,510   | 1,040  | 18,000  |
| 31    | 3,410   | ---     | e11,500 | e3,670  | ---    | e2,220 | ---       | 15,200    | ---     | 3,070   | 1,410  | ---     |
| TOTAL | 130,550 | 183,190 | 317,990 | 199,500 | 80,380 | 68,030 | 1,280,320 | 1,000,600 | 332,940 | 141,110 | 44,126 | 181,500 |
| MEAN  | 4,211   | 6,106   | 10,260  | 6,435   | 2,871  | 2,195  | 42,680    | 32,280    | 11,100  | 4,552   | 1,423  | 6,050   |
| MAX   | 9,940   | 21,700  | 21,800  | 11,500  | 3,570  | 2,330  | 111,000   | 97,300    | 22,800  | 9,720   | 2,690  | 29,200  |
| MIN   | 2,400   | 2,780   | 5,470   | 3,670   | 2,210  | 2,090  | 2,310     | 15,200    | 5,400   | 2,800   | 914    | 1,840   |
| CFSM  | 0.74    | 1.08    | 1.81    | 1.14    | 0.51   | 0.39   | 7.53      | 5.70      | 1.96    | 0.80    | 0.25   | 1.07    |
| IN.   | 0.86    | 1.20    | 2.09    | 1.31    | 0.53   | 0.45   | 8.41      | 6.57      | 2.19    | 0.93    | 0.29   | 1.19    |

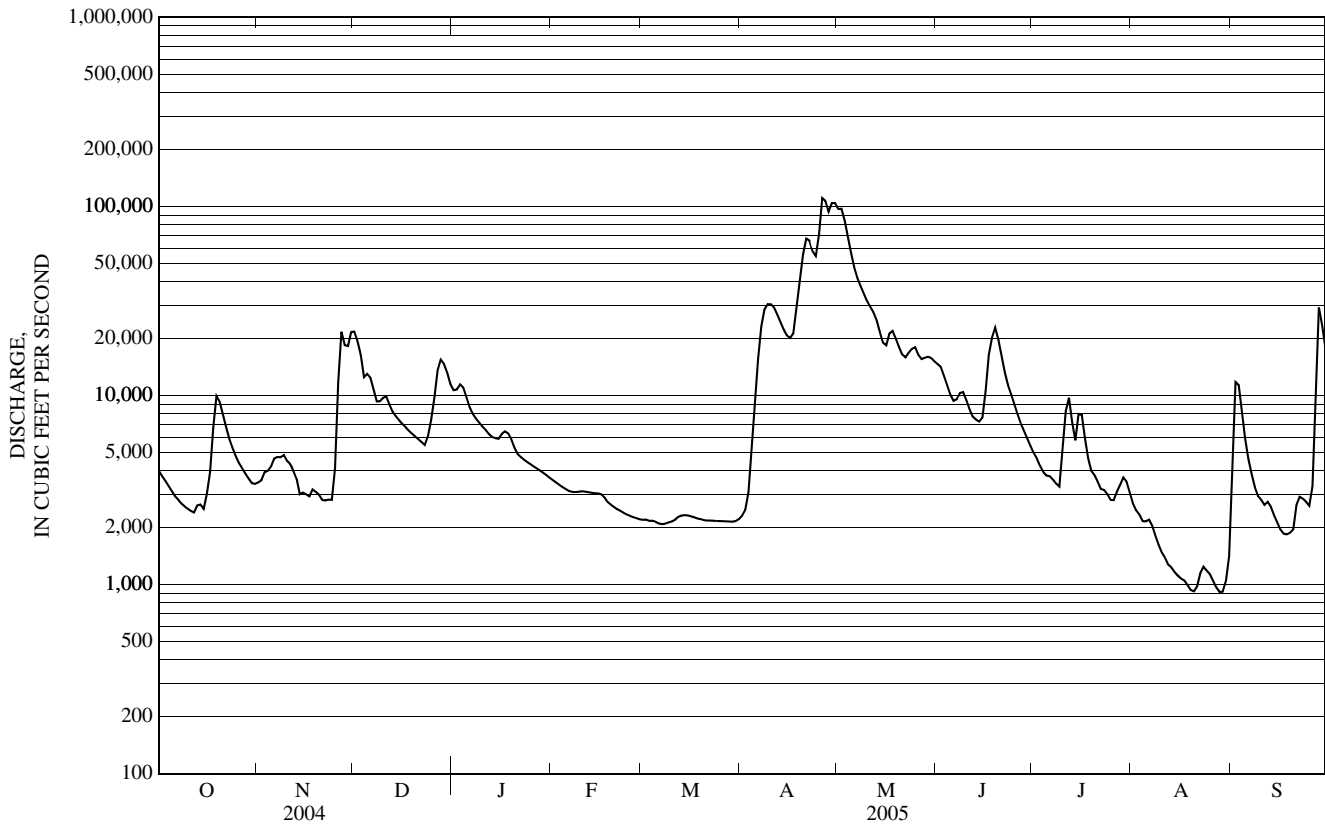
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 6,507  | 8,532  | 5,887  | 3,350  | 2,540  | 3,559  | 25,530 | 33,070 | 10,490 | 6,369  | 5,201  | 4,787  |
| MAX  | 19,840 | 24,220 | 22,900 | 8,093  | 12,010 | 23,590 | 49,210 | 68,160 | 21,800 | 17,250 | 24,640 | 14,700 |
| (WY) | (1991) | (1928) | (1951) | (1995) | (1996) | (1936) | (1983) | (1974) | (1947) | (1984) | (1981) | (1954) |
| MIN  | 1,116  | 1,367  | 1,232  | 871    | 562    | 669    | 3,298  | 6,464  | 3,374  | 2,077  | 910    | 893    |
| (WY) | (1969) | (1948) | (1956) | (1948) | (1948) | (1944) | (1944) | (1987) | (1998) | (1991) | (1968) | (2002) |

e Estimated

## 01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1927 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 3,532,410              |        | 3,960,236           |        | 9,676                   |              |
| ANNUAL MEAN              | 9,651                  |        | 10,850              |        | 14,100                  |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 5,667                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 146,000                 |              |
| HIGHEST DAILY MEAN       | 78,500                 | Apr 21 | 111,000             | Apr 26 | 146,000                 | Apr 30, 1979 |
| LOWEST DAILY MEAN        | 1,700                  | Mar 5  | 914                 | Aug 28 | 510                     | Mar 13, 1948 |
| ANNUAL SEVEN-DAY MINIMUM | 1,740                  | Mar 1  | 1,010               | Aug 15 | 513                     | Mar 9, 1948  |
| MAXIMUM PEAK FLOW        |                        |        | 116,000             | Apr 26 | 151,000                 | Apr 30, 1979 |
| MAXIMUM PEAK STAGE       |                        |        | 23.89               | Apr 26 | 27.31                   | Apr 30, 1979 |
| INSTANTANEOUS LOW FLOW   |                        |        | 870                 | Aug 29 |                         |              |
| ANNUAL RUNOFF (CFSM)     | 1.70                   |        | 1.92                |        | 1.71                    |              |
| ANNUAL RUNOFF (INCHES)   | 23.20                  |        | 26.01               |        | 23.21                   |              |
| 10 PERCENT EXCEEDS       | 19,400                 |        | 22,600              |        | 22,900                  |              |
| 50 PERCENT EXCEEDS       | 6,960                  |        | 4,390               |        | 4,600                   |              |
| 90 PERCENT EXCEEDS       | 2,220                  |        | 2,150               |        | 1,500                   |              |



## 01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

LOCATION.--Lat 46° 31'23", long 68° 22'18", Aroostook County, Hydrologic Unit 01010004, on left bank, 180 ft upstream from Garfield Road bridge, and 1.8 mi downstream from St. Croix Stream and Masardis.

DRAINAGE AREA.--892 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: September 1957 to current year.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 530.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of no gage-height record, July 19-25, Aug. 22, which are fair, and periods of ice effect, Nov. 10-24, Dec. 7 to Apr. 17, which are poor. Slight regulation by Millinocket Lake, capacity 1.11 billion ft<sup>3</sup>, used for power. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,100 ft<sup>3</sup>/s, Apr. 19, 1983, gage height, 17.70 ft; maximum gage height, 18.00 ft, Apr. 18, 1994 (backwater from ice); minimum discharge, 41 ft<sup>3</sup>/s, Sept. 26-27, 1968, gage height, 1.89 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,300 ft<sup>3</sup>/s, Apr. 30, gage height, 16.34 ft; minimum discharge, 100 ft<sup>3</sup>/s, Aug. 28-29, gage height, 2.66 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG   | SEP    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|-------|--------|
| 1     | 355    | 456    | 3,480  | e1,140 | e443   | e349   | e788    | 16,200  | 2,510  | 559    | 259   | 2,170  |
| 2     | 332    | 469    | 4,470  | e1,090 | e435   | e352   | e1,110  | 13,500  | 2,210  | 515    | 263   | 3,330  |
| 3     | 311    | 493    | 4,440  | e1,040 | e428   | e349   | e1,580  | 10,700  | 1,950  | 472    | 300   | 2,730  |
| 4     | 298    | 514    | 3,960  | e969   | e423   | e343   | e2,320  | 8,340   | 1,740  | 436    | 290   | 1,900  |
| 5     | 278    | 558    | 3,250  | e899   | e417   | e339   | e3,700  | 6,710   | 1,590  | 419    | 258   | 1,310  |
| 6     | 266    | 663    | 2,210  | e840   | e413   | e337   | e5,320  | 5,500   | 1,560  | 798    | 233   | 935    |
| 7     | 251    | 779    | e2,400 | e793   | e409   | e335   | e7,670  | 4,520   | 1,590  | 984    | 213   | 708    |
| 8     | 241    | 805    | e2,640 | e752   | e407   | e337   | e8,410  | 3,890   | 1,570  | 774    | 197   | 566    |
| 9     | 234    | 763    | e2,550 | e715   | e409   | e341   | e8,380  | 3,670   | 1,410  | 635    | 184   | 496    |
| 10    | 229    | e623   | e2,350 | e675   | e414   | e340   | e8,100  | 3,440   | 1,230  | 856    | 174   | 473    |
| 11    | 221    | e580   | e2,320 | e648   | e419   | e336   | e7,570  | 3,160   | 1,110  | 1,240  | 174   | 456    |
| 12    | 231    | e498   | e2,310 | e623   | e421   | e332   | e6,530  | 2,900   | 1,200  | 1,080  | 175   | 411    |
| 13    | 291    | e389   | e2,280 | e613   | e417   | e329   | e5,530  | 2,630   | 1,570  | 865    | 166   | 367    |
| 14    | 343    | e410   | e2,110 | e637   | e410   | e326   | e4,810  | 2,310   | 1,810  | 770    | 158   | 325    |
| 15    | 342    | e420   | e1,780 | e685   | e405   | e325   | e4,470  | 2,090   | 2,070  | 1,000  | 152   | 295    |
| 16    | 416    | e414   | e1,630 | e724   | e405   | e324   | e4,300  | 2,220   | 2,240  | 1,230  | 147   | 283    |
| 17    | 914    | e404   | e1,620 | e738   | e409   | e326   | e4,640  | 2,720   | 2,440  | 1,050  | 148   | 296    |
| 18    | 1,310  | e393   | e1,510 | e696   | e413   | e324   | 6,250   | 2,820   | 2,630  | 811    | 145   | 603    |
| 19    | 1,280  | e383   | e1,370 | e654   | e413   | e322   | 7,830   | 2,570   | 2,690  | e677   | 132   | 1,090  |
| 20    | 1,080  | e373   | e1,360 | e615   | e408   | e319   | 9,140   | 2,270   | 2,470  | e658   | 124   | 1,100  |
| 21    | 893    | e364   | e1,280 | e588   | e398   | e316   | 10,200  | 2,040   | 2,110  | e787   | 123   | 918    |
| 22    | 756    | e360   | e1,140 | e567   | e391   | e312   | 9,300   | 1,910   | 1,790  | e675   | e131  | 744    |
| 23    | 656    | e354   | e1,200 | e548   | e384   | e310   | 7,880   | 2,140   | 1,500  | e577   | 135   | 637    |
| 24    | 588    | e364   | e1,810 | e532   | e378   | e308   | 7,400   | 2,950   | 1,280  | e513   | 260   | 620    |
| 25    | 536    | 542    | e2,580 | e517   | e371   | e307   | 10,200  | 2,960   | 1,110  | e474   | 170   | 572    |
| 26    | 491    | 1,370  | e2,630 | e503   | e365   | e306   | 17,100  | 2,650   | 975    | 449    | 119   | 607    |
| 27    | 461    | 1,490  | e2,460 | e490   | e359   | e305   | 16,200  | 3,150   | 846    | 422    | 109   | 1,420  |
| 28    | 441    | 1,600  | e2,080 | e480   | e353   | e305   | 13,600  | 3,740   | 755    | 394    | 104   | 2,020  |
| 29    | 416    | 2,680  | e1,760 | e468   | ---    | e353   | 17,000  | 3,520   | 679    | 357    | 105   | 1,820  |
| 30    | 392    | 3,900  | e1,480 | e459   | ---    | e429   | 18,700  | 3,110   | 617    | 312    | 222   | 2,010  |
| 31    | 408    | ---    | e1,250 | e450   | ---    | e568   | ---     | 2,810   | ---    | 279    | 1,010 | ---    |
| TOTAL | 15,261 | 23,411 | 69,710 | 21,148 | 11,317 | 10,504 | 236,028 | 133,140 | 49,252 | 21,068 | 6,380 | 31,212 |
| MEAN  | 492    | 780    | 2,249  | 682    | 404    | 339    | 7,868   | 4,295   | 1,642  | 680    | 206   | 1,040  |
| MAX   | 1,310  | 3,900  | 4,470  | 1,140  | 443    | 568    | 18,700  | 16,200  | 2,690  | 1,240  | 1,010 | 3,330  |
| MIN   | 221    | 354    | 1,140  | 450    | 353    | 305    | 788     | 1,910   | 617    | 279    | 104   | 283    |
| CFSM  | 0.55   | 0.87   | 2.52   | 0.76   | 0.45   | 0.38   | 8.82    | 4.81    | 1.84   | 0.76   | 0.23  | 1.17   |
| IN.   | 0.64   | 0.98   | 2.91   | 0.88   | 0.47   | 0.44   | 9.84    | 5.55    | 2.05   | 0.88   | 0.27  | 1.30   |

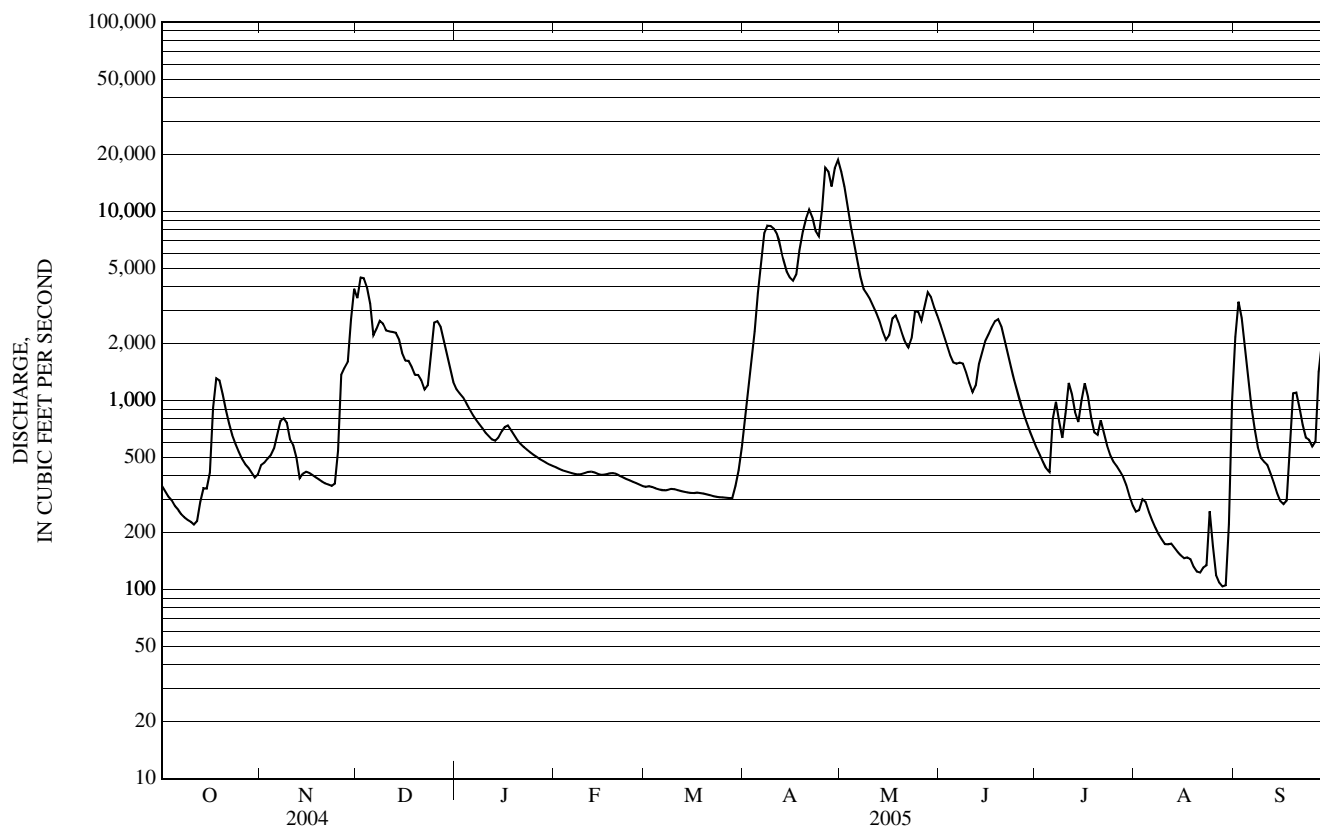
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1,007  | 1,405  | 1,087  | 621    | 586    | 793    | 4,646  | 4,272  | 1,286  | 692    | 592    | 664    |
| MAX  | 4,451  | 5,212  | 2,823  | 1,576  | 2,085  | 3,749  | 10,380 | 11,250 | 3,591  | 2,089  | 2,380  | 2,939  |
| (WY) | (1982) | (1964) | (1958) | (1996) | (1996) | (1979) | (1976) | (1961) | (1984) | (1962) | (1981) | (1999) |
| MIN  | 201    | 292    | 242    | 257    | 181    | 198    | 1,055  | 1,061  | 301    | 77.5   | 79.5   | 61.5   |
| (WY) | (1969) | (2002) | (1998) | (1982) | (2002) | (1993) | (1967) | (1987) | (1988) | (1991) | (1968) | (1995) |

e Estimated

## 01015800 AROOSTOOK RIVER NEAR MASARDIS, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1957 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 453,212                |        | 628,431             |        | 1,472                   |              |
| ANNUAL MEAN              | 1,238                  |        | 1,722               |        | 2,133                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 818                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1976                    |              |
| HIGHEST DAILY MEAN       | 7,490                  | Apr 21 | 18,700              | Apr 30 | 22,100                  | Apr 19, 1983 |
| LOWEST DAILY MEAN        | 205                    | Mar 2  | 104                 | Aug 28 | 42                      | Sep 27, 1968 |
| ANNUAL SEVEN-DAY MINIMUM | 213                    | Feb 26 | 134                 | Aug 17 | 44                      | Sep 26, 1968 |
| MAXIMUM PEAK FLOW        |                        |        | 19,300              | Apr 30 | 23,100                  | Apr 19, 1983 |
| MAXIMUM PEAK STAGE       |                        |        | 16.34               | Apr 30 | 18.00                   | Apr 18, 1994 |
| INSTANTANEOUS LOW FLOW   |                        |        | 100                 | Aug 28 | 41                      | Sep 26, 1968 |
| ANNUAL RUNOFF (CFSM)     | 1.39                   |        | 1.93                |        | 1.65                    |              |
| ANNUAL RUNOFF (INCHES)   | 18.90                  |        | 26.21               |        | 22.42                   |              |
| 10 PERCENT EXCEEDS       | 2,800                  |        | 3,890               |        | 3,640                   |              |
| 50 PERCENT EXCEEDS       | 754                    |        | 656                 |        | 650                     |              |
| 90 PERCENT EXCEEDS       | 311                    |        | 279                 |        | 220                     |              |



## 01017000 AROOSTOOK RIVER AT WASHBURN, ME

LOCATION.--Lat 46° 46'38", long 68° 09'26", Aroostook County, Hydrologic Unit 01010004, on right bank at Bangor and Aroostook Railroad bridge, 0.1 mi downstream from Salmon Brook.

DRAINAGE AREA.--1,654 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: August 1930 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 951: 1935. WSP 1301: 1933-50 (adjusted monthly runoff). WDR ME-82- 1: Drainage area. WDR ME-97-1: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 436.40 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, at datum 2.0 ft higher.

REMARKS.--Records good, except for periods of ice effect, Nov. 11-24 and Dec. 5 to Apr. 16, which are poor. Considerable regulation by Squa Pan Lake, capacity 2.893 billion ft<sup>3</sup>, used for power. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,400 ft<sup>3</sup>/s, Apr. 19, 1983, gage height, 13.73 ft; maximum gage height, 20.91 ft, Dec. 24, 1973 (backwater from ice); minimum daily discharge, 75 ft<sup>3</sup>/s, Feb. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,100 ft<sup>3</sup>/s, Apr. 30, gage height, 11.88 ft; maximum gage height, 14.10 ft, Apr. 9 (backwater from ice); minimum daily discharge, 214 ft<sup>3</sup>/s, Aug. 29.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC     | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|---------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 1     | 591    | 759    | 7,310   | e2,080 | e981   | e765   | e1,490  | 30,000  | 4,860  | 873    | 429    | 2,560  |
| 2     | 561    | 812    | 7,710   | e1,940 | e963   | e745   | e2,090  | 25,100  | 4,080  | 787    | 441    | 4,460  |
| 3     | 525    | 830    | 7,480   | e1,890 | e951   | e731   | e2,960  | 20,200  | 3,540  | 723    | 444    | 3,880  |
| 4     | 495    | 856    | 6,700   | e1,780 | e934   | e718   | e4,360  | 15,700  | 3,150  | 678    | 458    | 3,020  |
| 5     | 460    | 935    | e5,250  | e1,730 | e925   | e712   | e6,900  | 12,500  | 2,760  | 620    | 441    | 2,100  |
| 6     | 439    | 1,070  | e3,460  | e1,620 | e909   | e712   | e9,980  | 10,100  | 2,730  | 670    | 392    | 1,540  |
| 7     | 427    | 1,270  | e3,690  | e1,750 | e901   | e699   | e14,300 | 8,550   | 2,760  | 1,150  | 357    | 1,160  |
| 8     | 411    | 1,340  | e4,180  | e1,610 | e901   | e705   | e15,500 | 7,360   | 2,720  | 1,110  | 334    | 935    |
| 9     | 402    | 1,270  | e4,260  | e1,410 | e901   | e712   | e15,800 | 6,980   | 2,520  | 907    | 311    | 858    |
| 10    | 389    | 1,110  | e4,140  | e1,360 | e884   | e712   | e15,200 | 6,490   | 2,220  | 971    | 316    | 806    |
| 11    | 372    | e989   | e3,980  | e1,450 | e909   | e705   | e14,100 | 5,990   | 1,950  | 1,590  | 425    | 745    |
| 12    | 380    | e929   | e4,060  | e1,400 | e925   | e692   | e12,300 | 5,450   | 1,820  | 1,710  | 423    | 679    |
| 13    | 461    | e774   | e3,980  | e1,350 | e934   | e686   | e10,400 | 4,920   | 2,410  | 1,400  | 452    | 618    |
| 14    | 565    | e624   | e3,730  | e1,430 | e934   | e680   | e9,030  | 4,330   | 3,070  | 1,270  | 428    | 556    |
| 15    | 583    | e684   | e3,460  | e1,520 | e951   | e680   | e8,370  | 3,920   | 3,280  | 1,700  | 416    | 496    |
| 16    | 675    | e678   | e3,040  | e1,600 | e960   | e680   | e8,100  | 4,030   | 3,700  | 1,940  | 402    | 458    |
| 17    | 1,360  | e641   | e3,050  | e1,620 | e942   | e680   | 8,770   | 5,180   | 3,950  | 1,690  | 403    | 471    |
| 18    | 2,210  | e620   | e2,890  | e1,580 | e925   | e680   | 11,000  | 5,690   | 4,250  | 1,340  | 388    | 596    |
| 19    | 2,310  | e613   | e2,540  | e1,510 | e909   | e544   | 13,800  | 4,870   | 4,500  | 1,100  | 390    | 1,230  |
| 20    | 2,010  | e604   | e2,590  | e1,430 | e901   | e668   | 16,800  | 4,220   | 4,410  | 1,070  | 377    | 1,590  |
| 21    | 1,660  | e588   | e2,370  | e1,370 | e876   | e549   | 19,100  | 3,910   | 3,600  | 1,260  | 373    | 1,420  |
| 22    | 1,400  | e579   | e2,240  | e1,310 | e869   | e547   | 18,000  | 3,730   | 2,940  | 1,100  | 373    | 1,180  |
| 23    | 1,210  | e577   | e2,280  | e1,250 | e853   | e540   | 15,300  | 4,200   | 2,450  | 913    | 390    | 1,020  |
| 24    | 1,070  | e634   | e3,370  | e1,200 | e838   | e540   | 14,100  | 5,430   | 2,060  | 788    | 380    | 919    |
| 25    | 961    | 1,220  | e4,490  | e1,160 | e823   | e540   | 18,800  | 5,520   | 1,810  | 734    | 493    | 886    |
| 26    | 884    | 2,820  | e4,900  | e1,140 | e808   | e544   | 29,100  | 4,970   | 1,580  | 684    | 402    | 990    |
| 27    | 818    | 3,520  | e4,710  | e1,100 | e801   | e547   | 29,300  | 5,580   | 1,390  | 648    | 325    | 2,380  |
| 28    | 761    | 3,420  | e4,090  | e1,060 | e650   | e567   | 25,800  | 6,420   | 1,210  | 612    | 219    | 3,840  |
| 29    | 717    | 5,450  | e3,320  | e1,030 | ---    | e628   | 32,200  | 6,270   | 1,050  | 559    | 214    | 3,620  |
| 30    | 703    | 7,710  | e2,720  | e853   | ---    | e779   | 33,300  | 6,080   | 956    | 494    | 242    | 3,680  |
| 31    | 702    | ---    | e2,340  | e838   | ---    | e1,060 | ---     | 5,340   | ---    | 452    | 503    | ---    |
| TOTAL | 26,512 | 43,926 | 124,330 | 44,371 | 25,058 | 20,747 | 436,250 | 249,030 | 83,726 | 31,543 | 11,941 | 48,693 |
| MEAN  | 855    | 1,464  | 4,011   | 1,431  | 895    | 669    | 14,540  | 8,033   | 2,791  | 1,018  | 385    | 1,623  |
| MAX   | 2,310  | 7,710  | 7,710   | 2,080  | 981    | 1,060  | 33,300  | 30,000  | 4,860  | 1,940  | 503    | 4,460  |
| MIN   | 372    | 577    | 2,240   | 838    | 650    | 540    | 1,490   | 3,730   | 956    | 452    | 214    | 458    |

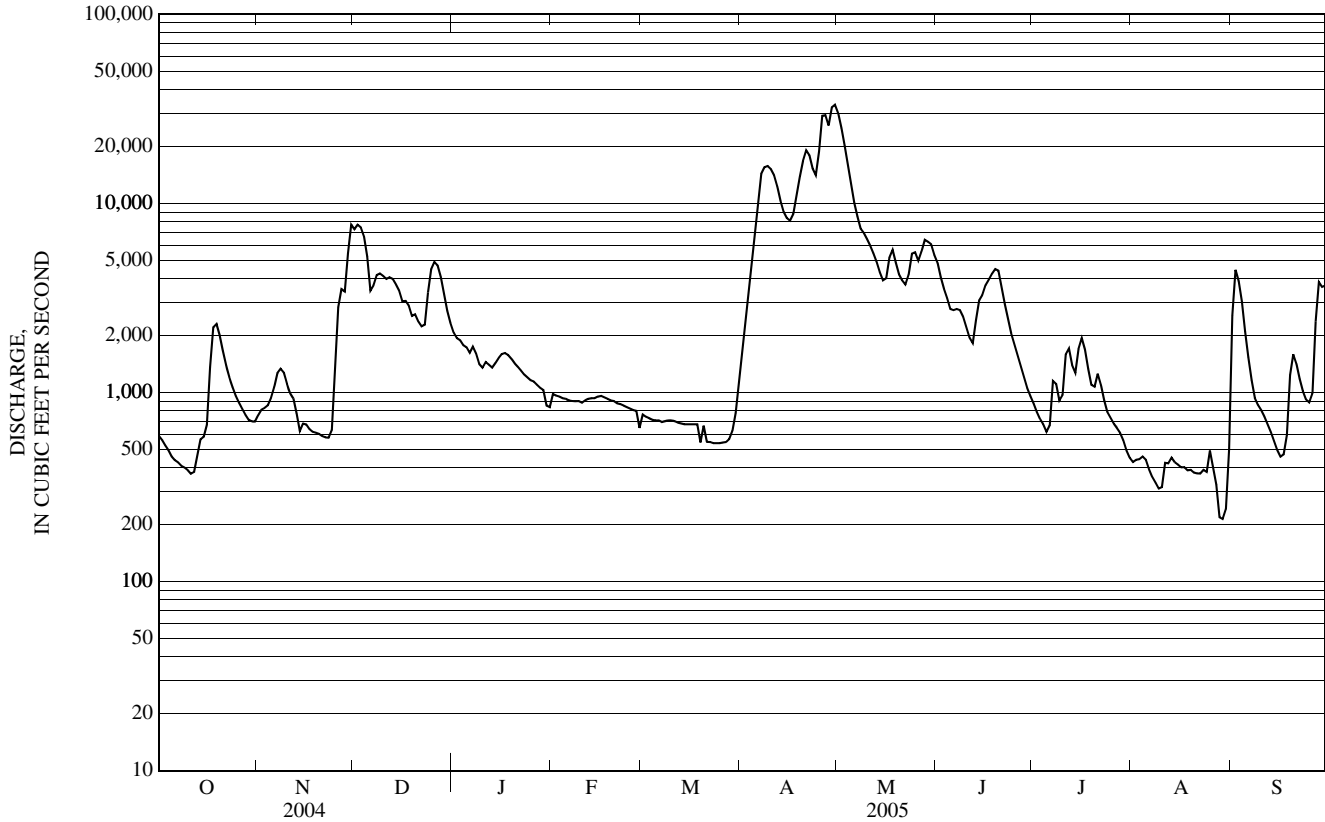
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

|      | MEAN  | MAX    | MIN   | (WY)   |
|------|-------|--------|-------|--------|
| 1930 | 1,727 | 8,098  | 265   | (1930) |
| 1931 | 2,501 | 9,767  | 218   | (1931) |
| 1932 | 1,919 | 7,975  | 175   | (1932) |
| 1933 | 1,104 | 3,864  | 167   | (1933) |
| 1934 | 1,036 | 3,864  | 101   | (1934) |
| 1935 | 1,470 | 10,440 | 324   | (1935) |
| 1936 | 8,359 | 16,990 | 1,468 | (1936) |
| 1937 | 7,743 | 20,350 | 1,775 | (1937) |
| 1938 | 2,447 | 6,928  | 634   | (1938) |
| 1939 | 1,369 | 5,882  | 189   | (1939) |
| 1940 | 1,028 | 5,728  | 152   | (1940) |
| 1941 | 1,119 | 5,321  | 106   | (1941) |
| 1942 | 1,119 | 5,321  | 106   | (1942) |
| 1943 | 1,119 | 5,321  | 106   | (1943) |
| 1944 | 1,119 | 5,321  | 106   | (1944) |
| 1945 | 1,119 | 5,321  | 106   | (1945) |
| 1946 | 1,119 | 5,321  | 106   | (1946) |
| 1947 | 1,119 | 5,321  | 106   | (1947) |
| 1948 | 1,119 | 5,321  | 106   | (1948) |
| 1949 | 1,119 | 5,321  | 106   | (1949) |
| 1950 | 1,119 | 5,321  | 106   | (1950) |
| 1951 | 1,119 | 5,321  | 106   | (1951) |
| 1952 | 1,119 | 5,321  | 106   | (1952) |
| 1953 | 1,119 | 5,321  | 106   | (1953) |
| 1954 | 1,119 | 5,321  | 106   | (1954) |
| 1955 | 1,119 | 5,321  | 106   | (1955) |
| 1956 | 1,119 | 5,321  | 106   | (1956) |
| 1957 | 1,119 | 5,321  | 106   | (1957) |
| 1958 | 1,119 | 5,321  | 106   | (1958) |
| 1959 | 1,119 | 5,321  | 106   | (1959) |
| 1960 | 1,119 | 5,321  | 106   | (1960) |
| 1961 | 1,119 | 5,321  | 106   | (1961) |
| 1962 | 1,119 | 5,321  | 106   | (1962) |
| 1963 | 1,119 | 5,321  | 106   | (1963) |
| 1964 | 1,119 | 5,321  | 106   | (1964) |
| 1965 | 1,119 | 5,321  | 106   | (1965) |
| 1966 | 1,119 | 5,321  | 106   | (1966) |
| 1967 | 1,119 | 5,321  | 106   | (1967) |
| 1968 | 1,119 | 5,321  | 106   | (1968) |
| 1969 | 1,119 | 5,321  | 106   | (1969) |
| 1970 | 1,119 | 5,321  | 106   | (1970) |
| 1971 | 1,119 | 5,321  | 106   | (1971) |
| 1972 | 1,119 | 5,321  | 106   | (1972) |
| 1973 | 1,119 | 5,321  | 106   | (1973) |
| 1974 | 1,119 | 5,321  | 106   | (1974) |
| 1975 | 1,119 | 5,321  | 106   | (1975) |
| 1976 | 1,119 | 5,321  | 106   | (1976) |
| 1977 | 1,119 | 5,321  | 106   | (1977) |
| 1978 | 1,119 | 5,321  | 106   | (1978) |
| 1979 | 1,119 | 5,321  | 106   | (1979) |
| 1980 | 1,119 | 5,321  | 106   | (1980) |
| 1981 | 1,119 | 5,321  | 106   | (1981) |
| 1982 | 1,119 | 5,321  | 106   | (1982) |
| 1983 | 1,119 | 5,321  | 106   | (1983) |
| 1984 | 1,119 | 5,321  | 106   | (1984) |
| 1985 | 1,119 | 5,321  | 106   | (1985) |
| 1986 | 1,119 | 5,321  | 106   | (1986) |
| 1987 | 1,119 | 5,321  | 106   | (1987) |
| 1988 | 1,119 | 5,321  | 106   | (1988) |
| 1989 | 1,119 | 5,321  | 106   | (1989) |
| 1990 | 1,119 | 5,321  | 106   | (1990) |
| 1991 | 1,119 | 5,321  | 106   | (1991) |
| 1992 | 1,119 | 5,321  | 106   | (1992) |
| 1993 | 1,119 | 5,321  | 106   | (1993) |
| 1994 | 1,119 | 5,321  | 106   | (1994) |
| 1995 | 1,119 | 5,321  | 106   | (1995) |
| 1996 | 1,119 | 5,321  | 106   | (1996) |
| 1997 | 1,119 | 5,321  | 106   | (1997) |
| 1998 | 1,119 | 5,321  | 106   | (1998) |
| 1999 | 1,119 | 5,321  | 106   | (1999) |
| 2000 | 1,119 | 5,321  | 106   | (2000) |
| 2001 | 1,119 | 5,321  | 106   | (2001) |
| 2002 | 1,119 | 5,321  | 106   | (2002) |
| 2003 | 1,119 | 5,321  | 106   | (2003) |
| 2004 | 1,119 | 5,321  | 106   | (2004) |
| 2005 | 1,119 | 5,321  | 106   | (2005) |

e Estimated

## 01017000 AROOSTOOK RIVER AT WASHBURN, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1930 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 869,587                |        | 1,146,127           |        | 2,655                   |              |
| ANNUAL MEAN              | 2,376                  |        | 3,140               |        | 4,145                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,409                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 42,500                  |              |
| HIGHEST DAILY MEAN       | 14,900                 | Apr 21 | 33,300              | Apr 30 | 75                      | Apr 19, 1983 |
| LOWEST DAILY MEAN        | 372                    | Oct 11 | 214                 | Aug 29 | 78                      | Feb 13, 1948 |
| ANNUAL SEVEN-DAY MINIMUM | 403                    | Oct 6  | 325                 | Aug 24 | 43,400                  | Apr 19, 1983 |
| MAXIMUM PEAK FLOW        |                        |        | 34,100              | Apr 30 | 20.91                   | Dec 24, 1973 |
| MAXIMUM PEAK STAGE       |                        |        | 14.10               | Apr 9  |                         |              |
| 10 PERCENT EXCEEDS       | 5,580                  |        | 7,330               |        |                         |              |
| 50 PERCENT EXCEEDS       | 1,390                  |        | 1,180               |        |                         |              |
| 90 PERCENT EXCEEDS       | 564                    |        | 456                 |        |                         |              |



## 01017550 WILLIAMS BROOK AT PHAIR, ME

LOCATION.--Lat 46° 37' 41", long 67° 57' 11", Aroostook County, Hydrologic Unit 01010005, on right bank at upstream side of Bangor and Aroostook Railroad bridge, 0.1 mi upstream from Phair, and 2.5 mi upstream from Prestile Stream.

DRAINAGE AREA.--3.82 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: November 1999 to current year.

GAGE.--Water-stage recorder and concrete weir. Elevation of gage is 580 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for period of ice effect, Dec. 3 to Apr. 4, and periods of doubtful stage-discharge relation, Oct. 10-13, June 21 to July 13, July 30 to Aug. 10, Aug. 23 to Sept. 8, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft<sup>3</sup>/s, Apr. 6, 2005, gage height, 4.47 ft; minimum discharge, 0.19 ft<sup>3</sup>/s, Aug. 16 and 25, 2001, gage height, 1.10 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft<sup>3</sup>/s and maximum (\*):

| Date  | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|-------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Apr 6 | 2200 | *142                              | *4.47               | Jun 14 | 0145 | 96                                | 3.69                |

Minimum discharge, 0.21 ft<sup>3</sup>/s, Aug. 19, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV  | DEC   | JAN   | FEB  | MAR  | APR   | MAY   | JUN   | JUL  | AUG   | SEP   |
|-------|-------|------|-------|-------|------|------|-------|-------|-------|------|-------|-------|
| 1     | 1.2   | 2.0  | 7.0   | e8.0  | e1.7 | e1.2 | e11   | 25    | 5.5   | e2.0 | e2.9  | e21   |
| 2     | 1.2   | 1.6  | 18    | e7.6  | e1.7 | e1.3 | e13   | 19    | 5.3   | e2.1 | e3.8  | e6.8  |
| 3     | 1.1   | 2.1  | e7.4  | e5.5  | e1.7 | e1.2 | e21   | 15    | 4.7   | e1.7 | e3.2  | e3.7  |
| 4     | 1.2   | 1.8  | e5.4  | e4.8  | e1.7 | e1.2 | e105  | 12    | 4.3   | e1.6 | e1.9  | e2.6  |
| 5     | 1.2   | 2.5  | e5.4  | e4.1  | e1.7 | e1.1 | 97    | 10    | 3.9   | e1.7 | e1.4  | e2.0  |
| 6     | 1.0   | 4.1  | e4.6  | e3.8  | e1.6 | e1.1 | 92    | 9.1   | 4.0   | e3.2 | e1.2  | e2.0  |
| 7     | 0.91  | 4.0  | e4.0  | e3.7  | e1.7 | e1.1 | 70    | 8.7   | 5.8   | e2.2 | e1.4  | e2.1  |
| 8     | 0.93  | 3.1  | e4.8  | e3.5  | e1.7 | e1.6 | 45    | 12    | 4.3   | e1.9 | e0.90 | e2.0  |
| 9     | 1.0   | 2.2  | e4.7  | e3.3  | e1.8 | e2.9 | 48    | 12    | 3.6   | e1.6 | e1.2  | 1.9   |
| 10    | e1.0  | 1.7  | e4.5  | e3.3  | e1.8 | e2.3 | 41    | 9.0   | 3.1   | e3.7 | e1.0  | 1.9   |
| 11    | e1.0  | 1.6  | e5.0  | e3.1  | e1.8 | e1.9 | 26    | 8.0   | 2.9   | e3.6 | 2.1   | 1.6   |
| 12    | e2.2  | 1.5  | e5.0  | e2.8  | e1.8 | e1.7 | 14    | 7.4   | 5.8   | e2.8 | 1.1   | 1.6   |
| 13    | e1.7  | 1.2  | e4.6  | e2.9  | e1.7 | e1.6 | 10    | 6.2   | 23    | e2.1 | 0.88  | 1.4   |
| 14    | 1.4   | 1.1  | e4.3  | e30   | e1.6 | e1.5 | 12    | 5.8   | 42    | 4.2  | 1.2   | 1.3   |
| 15    | 1.3   | 1.2  | e4.0  | e28   | e1.7 | e1.5 | 12    | 6.5   | 10    | 7.7  | 0.87  | 1.4   |
| 16    | 3.9   | 1.2  | e3.8  | e13   | e1.7 | e1.7 | 14    | 9.3   | 10    | 3.4  | 0.95  | 1.5   |
| 17    | 5.8   | 1.1  | e3.9  | e5.4  | e2.3 | e1.6 | 19    | 10    | 8.4   | 2.1  | 1.0   | 2.0   |
| 18    | 4.5   | 1.2  | e3.5  | e4.0  | e2.0 | e1.5 | 22    | 7.3   | 8.1   | 1.9  | 0.79  | 4.3   |
| 19    | 2.8   | 1.3  | e3.5  | e3.6  | e1.8 | e1.4 | 19    | 6.1   | 7.0   | 2.5  | 0.68  | 3.6   |
| 20    | 2.1   | 1.4  | e3.5  | e3.6  | e1.7 | e1.4 | 22    | 5.7   | 5.3   | 7.0  | 0.65  | 2.3   |
| 21    | 1.8   | 1.3  | e3.2  | e3.1  | e1.5 | e1.3 | 15    | 6.0   | e4.4  | 3.3  | 0.78  | 2.5   |
| 22    | 1.7   | 1.4  | e3.0  | e2.8  | e1.5 | e1.3 | 10    | 6.2   | e3.8  | 2.3  | 1.1   | 2.0   |
| 23    | 1.5   | 1.5  | e4.2  | e2.7  | e1.5 | e1.4 | 9.6   | 12    | e3.3  | 3.4  | e1.5  | 2.5   |
| 24    | 1.5   | 1.5  | e39   | e2.6  | e1.4 | e1.3 | 14    | 6.8   | e3.0  | 2.3  | e2.2  | 2.2   |
| 25    | 1.5   | 5.8  | e21   | e2.5  | e1.3 | e1.3 | 35    | 5.4   | e2.7  | 2.0  | e2.7  | 1.8   |
| 26    | 1.4   | 7.1  | e12   | e2.3  | e1.3 | e1.3 | 20    | 5.8   | e2.5  | 2.2  | e3.0  | 6.4   |
| 27    | 1.4   | 3.5  | e7.5  | e2.1  | e1.2 | e1.3 | 12    | 8.5   | e2.3  | 2.0  | e3.0  | 12    |
| 28    | 1.3   | 2.6  | e6.5  | e1.9  | e1.2 | e1.4 | 26    | 6.5   | e2.2  | 1.9  | e3.4  | 5.1   |
| 29    | 1.3   | 12   | e6.3  | e1.9  | ---  | e4.7 | 67    | 6.3   | e2.1  | 1.6  | e8.2  | 4.3   |
| 30    | 1.2   | 7.5  | e5.2  | e1.9  | ---  | e7.5 | 37    | 7.0   | e2.0  | e1.5 | e15   | 9.7   |
| 31    | 2.0   | ---  | e4.9  | e1.8  | ---  | e11  | ---   | 6.2   | ---   | e1.8 | e12   | ---   |
| TOTAL | 54.04 | 82.1 | 219.7 | 169.6 | 46.1 | 64.6 | 958.6 | 280.8 | 195.3 | 83.3 | 82.00 | 115.5 |
| MEAN  | 1.74  | 2.74 | 7.09  | 5.47  | 1.65 | 2.08 | 32.0  | 9.06  | 6.51  | 2.69 | 2.65  | 3.85  |
| MAX   | 5.8   | 12   | 39    | 30    | 2.3  | 11   | 105   | 25    | 42    | 7.7  | 15    | 21    |
| MIN   | 0.91  | 1.1  | 3.0   | 1.8   | 1.2  | 1.1  | 9.6   | 5.4   | 2.0   | 1.5  | 0.65  | 1.3   |
| CFSM  | 0.46  | 0.72 | 1.86  | 1.43  | 0.43 | 0.55 | 8.36  | 2.37  | 1.70  | 0.70 | 0.69  | 1.01  |
| IN.   | 0.53  | 0.80 | 2.14  | 1.65  | 0.45 | 0.63 | 9.34  | 2.73  | 1.90  | 0.81 | 0.80  | 1.12  |

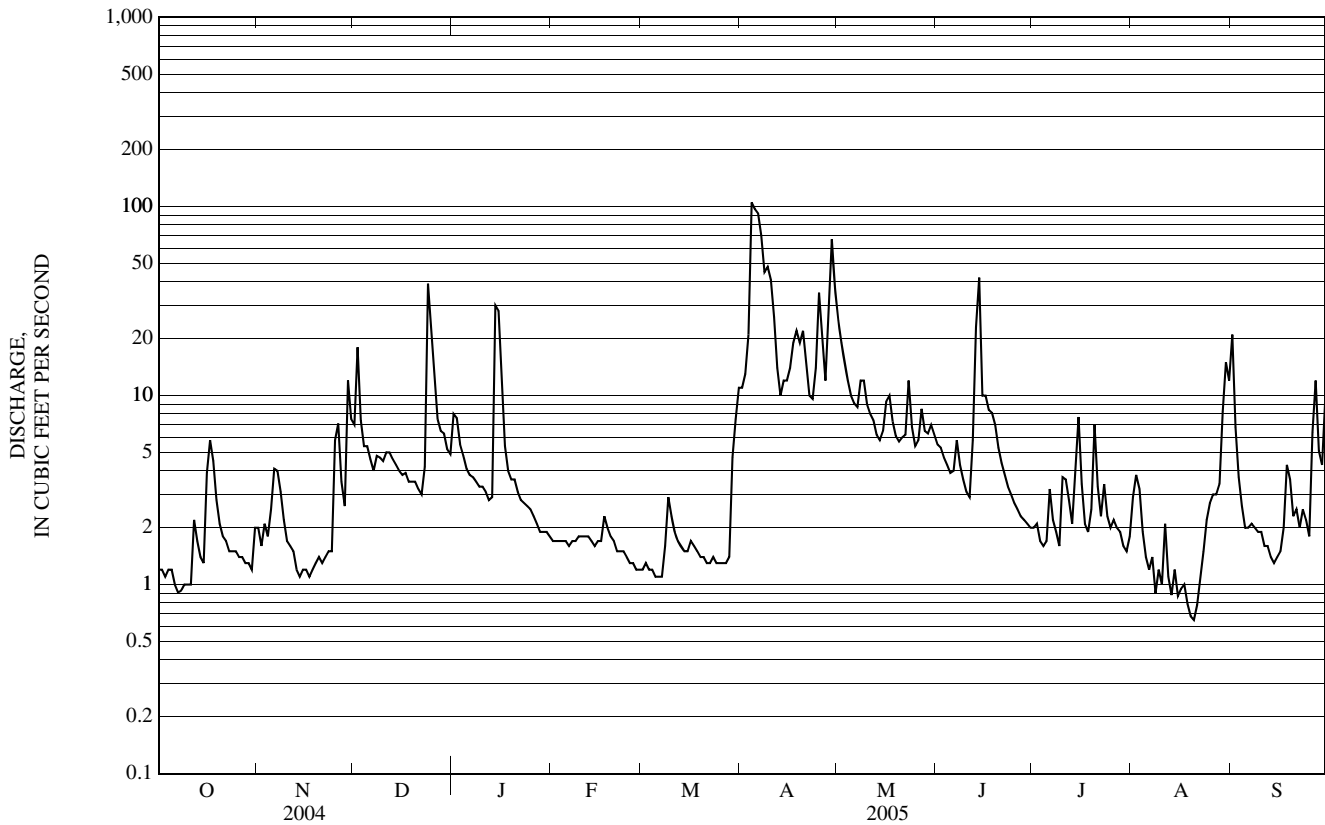
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 2.03   | 4.67   | 5.95   | 2.44   | 1.18   | 5.32   | 24.0   | 8.51   | 3.76   | 2.60   | 1.66   | 1.68   |
| MAX  | 4.89   | 11.3   | 11.9   | 5.47   | 1.65   | 16.2   | 32.0   | 12.4   | 6.51   | 4.57   | 2.90   | 3.85   |
| (WY) | (2004) | (2004) | (2004) | (2005) | (2005) | (2000) | (2005) | (2000) | (2005) | (2002) | (2003) | (2005) |
| MIN  | 1.08   | 0.96   | 1.26   | 0.41   | 0.39   | 0.75   | 13.3   | 5.74   | 2.60   | 1.46   | 0.40   | 0.63   |
| (WY) | (2001) | (2002) | (2002) | (2002) | (2002) | (2001) | (2004) | (2001) | (2002) | (2001) | (2001) | (2000) |

e Estimated

## 01017550 WILLIAMS BROOK AT PHAIR, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2000 - 2005 |  |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--|
| ANNUAL TOTAL             | 1,537.36               |        | 2,351.64            |        | 4.94                    |  |
| ANNUAL MEAN              | 4.20                   |        | 6.44                |        | 6.44                    |  |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 3.53                    |  |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 117                     |  |
| HIGHEST DAILY MEAN       | 39                     | Dec 24 | 105                 | Apr 4  | Apr 23, 2001            |  |
| LOWEST DAILY MEAN        | 0.72                   | Aug 28 | 0.65                | Aug 20 | Aug 25, 2001            |  |
| ANNUAL SEVEN-DAY MINIMUM | 0.96                   | Aug 24 | 0.82                | Aug 15 | Sep 14, 2001            |  |
| MAXIMUM PEAK FLOW        |                        |        | 142                 | Apr 6  | Apr 6, 2005             |  |
| MAXIMUM PEAK STAGE       |                        |        | 4.47                | Apr 6  | Apr 6, 2005             |  |
| INSTANTANEOUS LOW FLOW   |                        |        | 0.21                | Aug 19 | Aug 16, 2001            |  |
| ANNUAL RUNOFF (CFSM)     | 1.10                   |        | 1.69                |        | 1.29                    |  |
| ANNUAL RUNOFF (INCHES)   | 14.97                  |        | 22.90               |        | 17.58                   |  |
| 10 PERCENT EXCEEDS       | 9.1                    |        | 12                  |        | 11                      |  |
| 50 PERCENT EXCEEDS       | 2.1                    |        | 2.8                 |        | 1.9                     |  |
| 90 PERCENT EXCEEDS       | 1.1                    |        | 1.2                 |        | 0.68                    |  |



## 01017960 MEDUXNEKEAG RIVER ABOVE SOUTH BRANCH MEDUXNEKEAG RIVER NEAR HOULTON, ME

LOCATION.--Lat 46°06'18", long 67°52'53", Aroostook County, Hydrologic Unit 01010005, on left bank at A.E. Staley Plant and 3.1 mi upstream from Houlton.

DRAINAGE AREA.--88.0 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 355 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for period of ice effect, Dec. 4 to Apr. 4, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,020 ft<sup>3</sup>/s, Apr. 29, 2005, gage height, 6.92 ft; maximum gage height, 11.04 ft, Apr. 4, 2005 (backwater from ice); minimum discharge, 2.8 ft<sup>3</sup>/s, Aug. 20, 29, 2005, gage height, 2.16 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Dec 29 | 0145 | 1,770                             | 6.70                | Apr 29 | 2100 | *2,020                            | 6.92                |
| Apr 4  | 1000 | Ice Jam                           | *11.04              |        |      |                                   |                     |

Minimum discharge, 2.8 ft<sup>3</sup>/s, Aug. 20, 29, gage height, 2.16 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| 1     | 18    | 57    | 387   | e159  | e48   | e35   | e873   | 1,080  | 183   | 64    | 17    | 235   |
| 2     | 16    | 53    | 656   | e157  | e47   | e39   | e812   | 829    | 162   | 56    | 27    | 247   |
| 3     | 17    | 57    | 689   | e144  | e46   | e37   | e951   | 644    | 143   | 48    | 35    | 152   |
| 4     | 16    | 59    | e427  | e129  | e45   | e33   | e1,520 | 507    | 127   | 41    | 27    | 94    |
| 5     | 15    | 74    | e294  | e116  | e44   | e30   | 1,660  | 410    | 124   | 34    | 22    | 63    |
| 6     | 14    | 125   | e239  | e105  | e43   | e28   | 1,330  | 337    | 127   | 37    | 19    | 46    |
| 7     | 14    | 121   | e203  | e95   | e42   | e27   | 1,230  | 289    | 131   | 40    | 28    | 36    |
| 8     | 14    | 106   | e177  | e86   | e42   | e40   | 994    | 399    | 122   | 32    | 33    | 28    |
| 9     | 13    | 92    | e155  | e79   | e44   | e77   | 917    | 507    | 108   | 27    | 21    | 28    |
| 10    | 13    | 75    | e140  | e72   | e52   | e109  | 816    | 412    | 94    | 32    | 16    | 27    |
| 11    | 12    | 66    | e135  | e67   | e55   | e120  | 745    | 340    | 83    | 39    | 18    | 22    |
| 12    | 26    | 63    | e130  | e64   | e69   | e102  | 630    | 283    | 82    | 39    | 15    | 19    |
| 13    | 51    | 56    | e115  | e62   | e62   | e87   | 503    | 230    | 395   | 39    | 13    | 16    |
| 14    | 44    | 52    | e99   | e62   | e46   | e74   | 436    | 197    | 487   | 38    | 12    | 14    |
| 15    | 39    | 49    | e88   | e106  | e41   | e65   | 399    | 182    | 367   | 68    | 8.7   | 14    |
| 16    | 52    | 46    | e80   | e101  | e52   | e63   | 377    | 214    | 287   | 69    | 6.6   | 13    |
| 17    | 116   | 42    | e74   | e93   | e75   | e64   | 411    | 254    | 310   | 50    | 5.5   | 33    |
| 18    | 128   | 42    | e69   | e85   | e87   | e61   | 510    | 232    | 309   | 38    | 4.3   | 146   |
| 19    | 98    | 43    | e65   | e79   | e82   | e55   | 556    | 200    | 267   | 33    | 3.5   | 131   |
| 20    | 75    | 45    | e63   | e75   | e73   | e52   | 560    | 178    | 207   | 37    | 3.1   | 95    |
| 21    | 62    | 43    | e59   | e71   | e66   | e52   | 564    | 162    | 165   | 37    | 3.9   | 70    |
| 22    | 54    | 43    | e57   | e68   | e59   | e52   | 473    | 153    | 138   | 29    | 4.6   | 54    |
| 23    | 49    | 43    | e56   | e65   | e54   | e53   | 389    | 181    | 121   | 45    | 4.7   | 47    |
| 24    | 44    | 42    | e213  | e62   | e50   | e54   | 378    | 220    | 103   | 47    | 4.9   | 45    |
| 25    | 41    | 107   | e313  | e60   | e45   | e52   | 573    | 200    | 87    | 37    | 5.1   | 38    |
| 26    | 38    | 235   | e327  | e57   | e42   | e52   | 1,010  | 199    | 74    | 35    | 4.8   | 38    |
| 27    | 36    | 196   | e288  | e55   | e39   | e53   | 695    | 325    | 64    | 31    | 3.9   | 97    |
| 28    | 34    | 140   | e254  | e53   | e37   | e86   | 586    | 364    | 57    | 29    | 3.4   | 111   |
| 29    | 32    | 270   | e221  | e52   | ---   | e233  | 1,500  | 289    | 71    | 24    | 3.4   | 89    |
| 30    | 30    | 479   | e197  | e50   | ---   | e499  | 1,680  | 237    | 77    | 20    | 48    | 117   |
| 31    | 43    | ---   | e176  | e49   | ---   | e801  | ---    | 208    | ---   | 17    | 137   | ---   |
| TOTAL | 1,254 | 2,921 | 6,446 | 2,578 | 1,487 | 3,185 | 24,078 | 10,262 | 5,072 | 1,212 | 558.4 | 2,165 |
| MEAN  | 40.5  | 97.4  | 208   | 83.2  | 53.1  | 103   | 803    | 331    | 169   | 39.1  | 18.0  | 72.2  |
| MAX   | 128   | 479   | 689   | 159   | 87    | 801   | 1,680  | 1,080  | 487   | 69    | 137   | 247   |
| MIN   | 12    | 42    | 56    | 49    | 37    | 27    | 377    | 153    | 57    | 17    | 3.1   | 13    |
| CFSM  | 0.46  | 1.11  | 2.36  | 0.95  | 0.60  | 1.17  | 9.12   | 3.76   | 1.92  | 0.44  | 0.20  | 0.82  |
| IN.   | 0.53  | 1.23  | 2.72  | 1.09  | 0.63  | 1.35  | 10.18  | 4.34   | 2.14  | 0.51  | 0.24  | 0.92  |

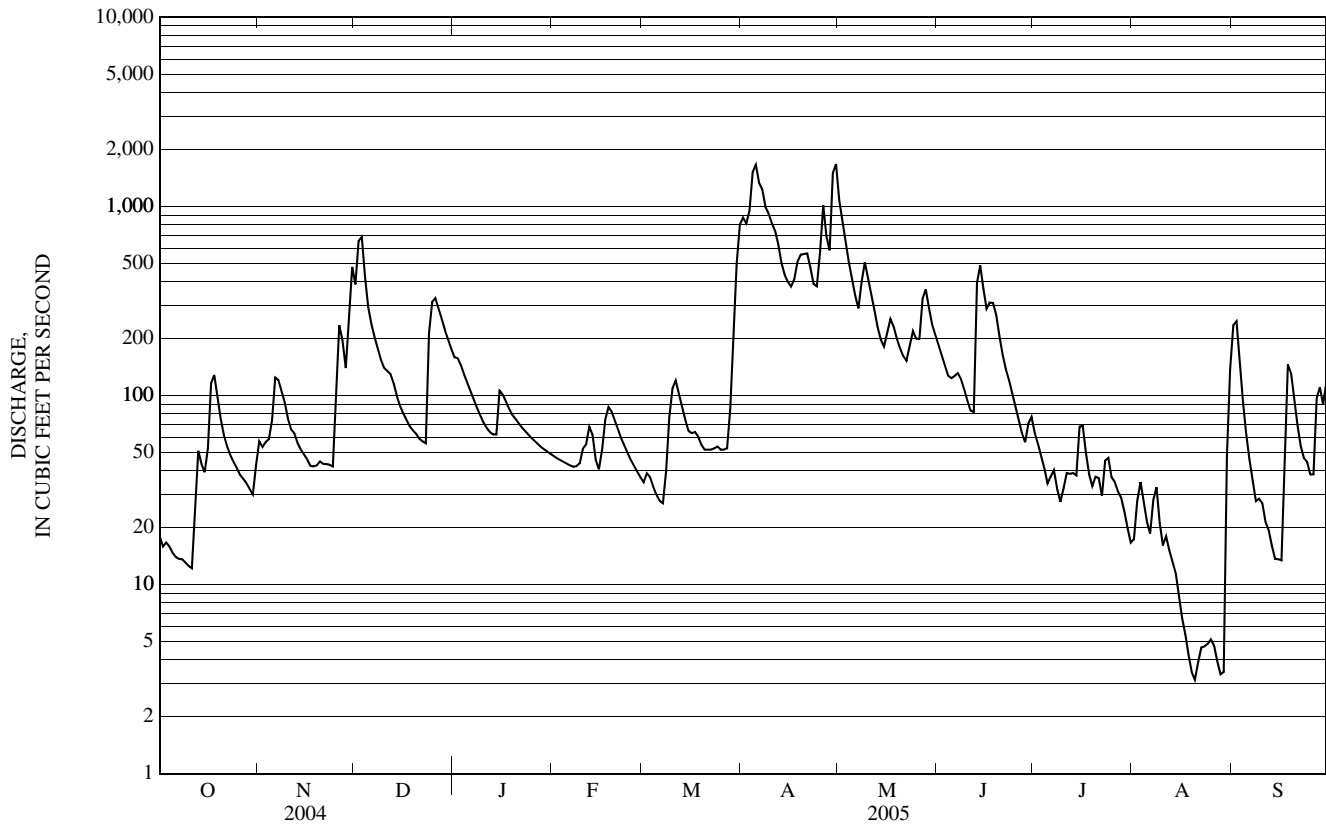
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 150    | 228    | 252    | 97.0   | 41.8   | 84.3   | 582    | 233    | 110    | 38.5   | 26.5   | 82.9   |
| MAX  | 259    | 360    | 295    | 111    | 53.1   | 103    | 803    | 331    | 169    | 39.1   | 35.1   | 93.6   |
| (WY) | (2004) | (2004) | (2004) | (2004) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2004) |
| MIN  | 40.5   | 97.4   | 208    | 83.2   | 30.8   | 65.8   | 362    | 135    | 50.5   | 38.0   | 18.0   | 72.2   |
| (WY) | (2005) | (2005) | (2005) | (2005) | (2004) | (2004) | (2004) | (2004) | (2004) | (2004) | (2005) | (2005) |

e Estimated

## 01017960 MEDUXNEKEAG RIVER ABOVE SOUTH BRANCH MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2003 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 38,622                 |        | 61,218.4            |        | 160                     |              |
| ANNUAL MEAN              | 106                    |        | 168                 |        | 168                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 153                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 168                     |              |
| HIGHEST DAILY MEAN       | 803                    | Apr 15 | 1,680               | Apr 30 | 1,680                   | Apr 30, 2005 |
| LOWEST DAILY MEAN        | 12                     | Aug 8  | 3.1                 | Aug 20 | 3.1                     | Aug 20, 2005 |
| ANNUAL SEVEN-DAY MINIMUM | 14                     | Oct 5  | 4.1                 | Aug 18 | 4.1                     | Aug 18, 2005 |
| MAXIMUM PEAK FLOW        |                        |        | 2,020               | Apr 29 | 2,020                   | Apr 29, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 11.04               | Apr 4  | 11.04                   | Apr 4, 2005  |
| INSTANTANEOUS LOW FLOW   |                        |        | 2.8                 | Aug 20 | 2.8                     | Aug 20, 2005 |
| ANNUAL RUNOFF (CFSM)     | 1.20                   |        | 1.91                |        | 1.82                    |              |
| ANNUAL RUNOFF (INCHES)   | 16.33                  |        | 25.88               |        | 24.75                   |              |
| 10 PERCENT EXCEEDS       | 271                    |        | 431                 |        | 399                     |              |
| 50 PERCENT EXCEEDS       | 55                     |        | 65                  |        | 70                      |              |
| 90 PERCENT EXCEEDS       | 22                     |        | 18                  |        | 23                      |              |











## 01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME

LOCATION.--Lat 46°06'18", long 67°52'00", Aroostook County, Hydrologic Unit 01010005, on right bank 0.3 mi downstream from South Branch Meduxnekeag River and 2.0 mi upstream from Houlton.

DRAINAGE AREA.--175 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

## PERIOD OF RECORD.--

DISCHARGE: October 1940 to September 1982, October 2003 to current year. October 1940 monthly discharge only, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 333.92 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of doubtful stage-discharge relation, Aug. 12-17, Aug. 21 to Sept. 30, period of no gage-height record, Jan. 7-11, which are fair, and period of ice effect, Dec. 3 to Apr. 4, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,640 ft<sup>3</sup>/s, Apr. 3, 1976, gage height, 9.98 ft; maximum gage height, 10.83 ft, Mar. 27, 1953 (backwater from ice); minimum discharge, 3.6 ft<sup>3</sup>/s, Sept. 19, 1946, gage height, 2.09 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,100 ft<sup>3</sup>/s and maximum (\*):

| Date  | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|-------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Apr 4 | 1130 | Ice Jam                           | *7.54               | Apr 30 | 0515 | 3,370                             | 7.13                |
| Apr 5 | 0300 | *3,410                            | 7.17                |        |      |                                   |                     |

Minimum daily discharge, 11 ft<sup>3</sup>/s, Aug. 20.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC    | JAN   | FEB   | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|--------|-------|-------|--------|--------|--------|-------|-------|-------|-------|
| 1     | 41    | 102   | 735    | e293  | e97   | e68    | e1,520 | 2,130  | 376   | 96    | 40    | e536  |
| 2     | 37    | 98    | 1,200  | e297  | e94   | e76    | e1,290 | 1,680  | 323   | 84    | 62    | e556  |
| 3     | 37    | 107   | e1,090 | e267  | e91   | e74    | e1,640 | 1,300  | 276   | 73    | 97    | e349  |
| 4     | 36    | 113   | e776   | e238  | e88   | e66    | e2,820 | 1,020  | 237   | 63    | 82    | e216  |
| 5     | 34    | 150   | e545   | e215  | e86   | e62    | 3,230  | 823    | 232   | 52    | 64    | e145  |
| 6     | 33    | 255   | e438   | e193  | e84   | e58    | 2,780  | 685    | 238   | 61    | 51    | e107  |
| 7     | 33    | 263   | e376   | e175  | e83   | e55    | 2,500  | 590    | 248   | 65    | 53    | e82   |
| 8     | 32    | 233   | e328   | e159  | e81   | e78    | 2,100  | 921    | 227   | 54    | 55    | e63   |
| 9     | 31    | 201   | e286   | e146  | e84   | e162   | 1,950  | 1,270  | 198   | 47    | 38    | e65   |
| 10    | 30    | 163   | e260   | e135  | e94   | e238   | 1,760  | 1,070  | 170   | 56    | 31    | e61   |
| 11    | 27    | 139   | e249   | e126  | e104  | e237   | 1,530  | 827    | 148   | 67    | 35    | e48   |
| 12    | 64    | 129   | e240   | e118  | e109  | e207   | 1,290  | 654    | 156   | 67    | e30   | e43   |
| 13    | 108   | 112   | e213   | e114  | e96   | e181   | 1,000  | 522    | 625   | 67    | e26   | e35   |
| 14    | 96    | 100   | e183   | e113  | e81   | e161   | 864    | 437    | 756   | 66    | e22   | e29   |
| 15    | 86    | 94    | e163   | e180  | e76   | e142   | 798    | 392    | 585   | 181   | e19   | e29   |
| 16    | 111   | 88    | e148   | e196  | e93   | e134   | 763    | 457    | 504   | 143   | e16   | e28   |
| 17    | 213   | 81    | e138   | e190  | e154  | e131   | 830    | 537    | 563   | 94    | e14   | e73   |
| 18    | 238   | 80    | e128   | e179  | e183  | e123   | 1,010  | 491    | 582   | 70    | 13    | e333  |
| 19    | 193   | 80    | e121   | e169  | e173  | e112   | 1,100  | 422    | 516   | 61    | e12   | e300  |
| 20    | 155   | 82    | e115   | e160  | e145  | e105   | 1,110  | 371    | 401   | 80    | e11   | e217  |
| 21    | 130   | 82    | e110   | e151  | e121  | e102   | 1,090  | 334    | 312   | 87    | e14   | e162  |
| 22    | 114   | 81    | e106   | e146  | e108  | e102   | 911    | 312    | 250   | 68    | e18   | e125  |
| 23    | 101   | 80    | e103   | e139  | e96   | e101   | 756    | 366    | 209   | 120   | e18   | e109  |
| 24    | 92    | 79    | e390   | e133  | e87   | e105   | 739    | 431    | 170   | 141   | e18   | e103  |
| 25    | 84    | 202   | e568   | e127  | e80   | e105   | 1,170  | 390    | 139   | 108   | e19   | e88   |
| 26    | 79    | 435   | e595   | e122  | e75   | e105   | 1,880  | 400    | 120   | 90    | e18   | e87   |
| 27    | 75    | 391   | e521   | e117  | e71   | e105   | 1,450  | 706    | 103   | 77    | e15   | e217  |
| 28    | 70    | 310   | e461   | e112  | e67   | e135   | 1,240  | 802    | 90    | 72    | e13   | e255  |
| 29    | 66    | 575   | e404   | e107  | ---   | e454   | 2,610  | 662    | 100   | 62    | e14   | e204  |
| 30    | 63    | 857   | e359   | e104  | ---   | e943   | 3,010  | 533    | 111   | 48    | e156  | e264  |
| 31    | 84    | ---   | e322   | e99   | ---   | e1,590 | ---    | 448    | ---   | 38    | e314  | ---   |
| TOTAL | 2,593 | 5,762 | 11,671 | 5,020 | 2,801 | 6,317  | 46,741 | 21,983 | 8,965 | 2,458 | 1,388 | 4,929 |
| MEAN  | 83.6  | 192   | 376    | 162   | 100   | 204    | 1,558  | 709    | 299   | 79.3  | 44.8  | 164   |
| MAX   | 238   | 857   | 1,200  | 297   | 183   | 1,590  | 3,230  | 2,130  | 756   | 181   | 314   | 556   |
| MIN   | 27    | 79    | 103    | 99    | 67    | 55     | 739    | 312    | 90    | 38    | 11    | 28    |
| CFSM  | 0.48  | 1.10  | 2.15   | 0.93  | 0.57  | 1.16   | 8.90   | 4.05   | 1.71  | 0.45  | 0.26  | 0.94  |
| IN.   | 0.55  | 1.22  | 2.48   | 1.07  | 0.60  | 1.34   | 9.94   | 4.67   | 1.91  | 0.52  | 0.30  | 1.05  |

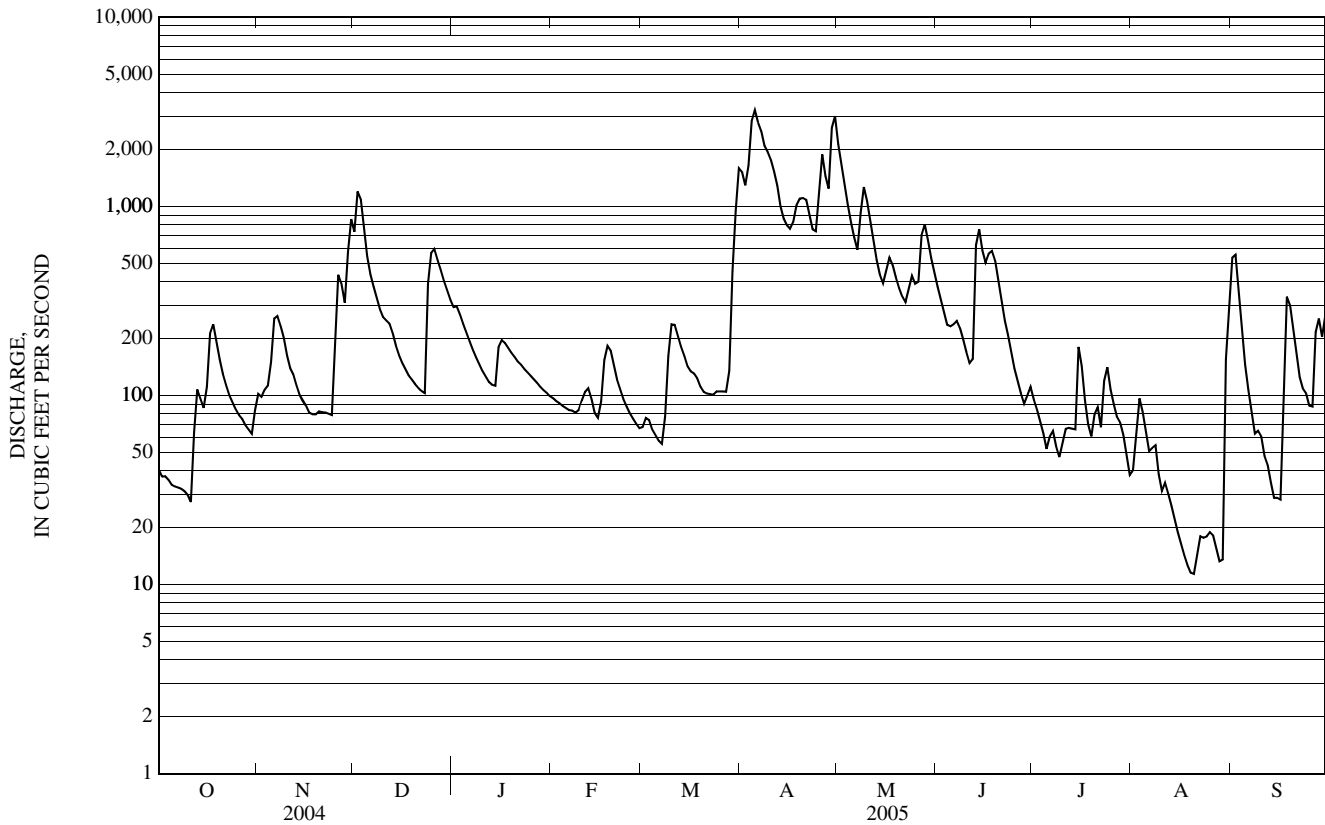
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

|      | MEAN   | 184    | 336    | 292    | 154    | 152    | 259    | 1,079  | 614    | 215    | 107    | 86.7   | 115    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 862    | 999    | 1,050  | 330    | 618    | 1,234  | 1,815  | 1,775  | 685    | 430    | 502    | 711    |        |
| (WY) | (1982) | (1964) | (1951) | (1958) | (1981) | (1979) | (1976) | (1961) | (1977) | (1951) | (1954) | (1954) | (1954) |
| MIN  | 17.2   | 24.2   | 11.7   | 20.7   | 17.6   | 43.5   | 269    | 192    | 62.6   | 29.4   | 8.44   | 5.93   |        |
| (WY) | (1947) | (1956) | (1956) | (1948) | (1944) | (1967) | (1967) | (1968) | (1968) | (1971) | (1952) | (1953) |        |

e Estimated

## 01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1941 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 76,737                 |        | 120,628             |        | 301                     |              |
| ANNUAL MEAN              | 210                    |        | 330                 |        | 473                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 152                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 6,010                   |              |
| HIGHEST DAILY MEAN       | 1,630                  | Apr 15 | 3,230               | Apr 5  | 1951                    | 1957         |
| LOWEST DAILY MEAN        | 26                     | Aug 7  | 11                  | Aug 20 | 4,1976                  | 6,1953       |
| ANNUAL SEVEN-DAY MINIMUM | 31                     | Oct 5  | 14                  | Aug 16 | 4,1960                  | 4,1976       |
| MAXIMUM PEAK FLOW        |                        |        | 3,410               | Apr 5  | 6,640                   | Mar 27, 1953 |
| MAXIMUM PEAK STAGE       |                        |        | 7.54                | Apr 4  | 10.83                   | Sep 19, 1946 |
| INSTANTANEOUS LOW FLOW   |                        |        |                     |        | 3.6                     | 1.72         |
| ANNUAL RUNOFF (CFSM)     | 1.20                   |        | 1.89                |        | 23.40                   |              |
| ANNUAL RUNOFF (INCHES)   | 16.31                  |        | 25.64               |        | 761                     |              |
| 10 PERCENT EXCEEDS       | 551                    |        | 860                 |        | 135                     |              |
| 50 PERCENT EXCEEDS       | 104                    |        | 131                 |        | 23                      |              |
| 90 PERCENT EXCEEDS       | 44                     |        | 39                  |        |                         |              |











## 01018035 MEDUXNEKEAG RIVER AT LOWERY ROAD NEAR HOULTON, ME

LOCATION.--Lat 46° 10'52", long 67° 48'16", Aroostook County, Hydrologic Unit 01010005, on left bank at downstream side of Lowery Road bridge and 4.6 mi upstream of the International Border with Canada.

DRAINAGE AREA.--257 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: July 2005 to September 2005.

GAGE.--Water-stage recorder. Datum of gage is 290 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good, including periods of no gage-height record, July 22-27 and July 29 to Aug. 2. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft<sup>3</sup>/s and maximum (\*):

| Date    | Time  | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|---------|-------|-----------------------------------|---------------------|------|------|-----------------------------------|---------------------|
| Sept. 1 | 21 15 | *1,010                            | *4.23               |      |      |                                   |                     |

No peaks greater than base discharge.

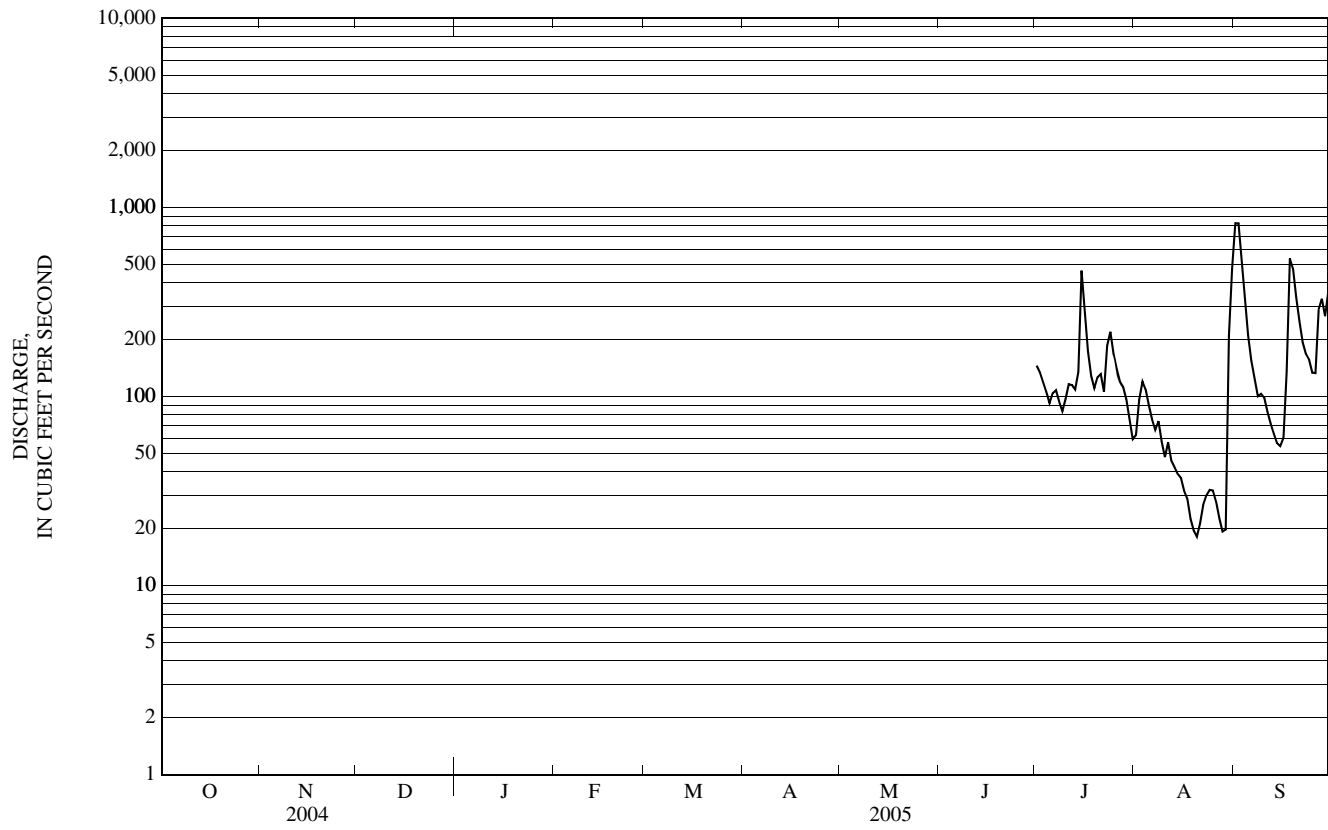
Minimum discharge, 16 ft<sup>3</sup>/s, Aug. 20, gage height, 1.70 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL   | AUG   | SEP   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|
| 1     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 146   | e63   | 824   |
| 2     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 134   | e96   | 824   |
| 3     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 119   | 120   | 512   |
| 4     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 106   | 109   | 314   |
| 5     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 92    | 90    | 210   |
| 6     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 104   | 76    | 155   |
| 7     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 108   | 66    | 123   |
| 8     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 94    | 74    | 100   |
| 9     | --- | --- | --- | --- | --- | --- | --- | --- | --- | 84    | 58    | 103   |
| 10    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97    | 48    | 98    |
| 11    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 116   | 57    | 83    |
| 12    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 115   | 46    | 72    |
| 13    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 109   | 42    | 64    |
| 14    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 135   | 39    | 57    |
| 15    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 463   | 37    | 55    |
| 16    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 279   | 32    | 60    |
| 17    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 173   | 29    | 136   |
| 18    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 129   | 23    | 537   |
| 19    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 110   | 20    | 473   |
| 20    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 127   | 18    | 333   |
| 21    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 131   | 21    | 249   |
| 22    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e106  | 27    | 193   |
| 23    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e186  | 30    | 168   |
| 24    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e220  | 32    | 157   |
| 25    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e168  | 32    | 134   |
| 26    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e140  | 28    | 133   |
| 27    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e120  | 23    | 288   |
| 28    | --- | --- | --- | --- | --- | --- | --- | --- | --- | 112   | 19    | 328   |
| 29    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e96   | 20    | 266   |
| 30    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e75   | 209   | 357   |
| 31    | --- | --- | --- | --- | --- | --- | --- | --- | --- | e59   | 477   | ---   |
| TOTAL | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4,253 | 2,061 | 7,406 |
| MEAN  | --- | --- | --- | --- | --- | --- | --- | --- | --- | 137   | 66.5  | 247   |
| MAX   | --- | --- | --- | --- | --- | --- | --- | --- | --- | 463   | 477   | 824   |
| MIN   | --- | --- | --- | --- | --- | --- | --- | --- | --- | 59    | 18    | 55    |
| CFSM  | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.53  | 0.26  | 0.96  |
| IN.   | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.62  | 0.30  | 1.07  |

e Estimated

01018035 MEDUXNEKEAG RIVER AT LOWERY ROAD NEAR HOULTON, ME—Continued



## 01018035 MEDUXNEKEAG RIVER AT LOWERY BRIDGE NEAR HOULTON, ME--Continued

## WATER-QUALITY RECORDS

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 2005 to September 2005.

pH: July 2005 to September 2005.

WATER TEMPERATURE: July 2005 to September 2005.

DISSOLVED OXYGEN: July 2005 to September 2005.

INSTRUMENTATION.--In-situ monitor located at gaging pool and 1 ft above river bed.

REMARKS.--Records good except for the periods Sept. 2-10 which are rated fair and Sept. 11-13 which are rated poor for dissolved oxygen and Aug. 3-9 which are rated poor for pH. Interruptions in the record were due to malfunctions of the monitor.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, &gt;328 microsiemens/cm, Aug. 19-23, 29; minimum, 121 microsiemens/cm, Sept. 2-3.

pH: Maximum, 8.8 standard units, July 19, 21; minimum, 7.4 standard units, Sept. 1, 2.

WATER TEMPERATURE: Maximum, 29.6° C, Aug. 9, 10; minimum, 10.8° C, Sept. 25.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Aug. 16, Sept. 25; minimum, 6.3 mg/L, July 20.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY    | MAX  | MIN | MEAN | MAX  | MIN | MEAN | MAX    | MIN | MEAN             | MAX       | MIN | MEAN |
|--------|------|-----|------|------|-----|------|--------|-----|------------------|-----------|-----|------|
|        | JUNE |     |      | JULY |     |      | AUGUST |     |                  | SEPTEMBER |     |      |
| 1      | ---  | --- | ---  | ---  | --- | ---  | ---    | --- | ---              | 169       | 125 | 146  |
| 2      | ---  | --- | ---  | ---  | --- | ---  | ---    | --- | ---              | 127       | 121 | 125  |
| 3      | ---  | --- | ---  | ---  | --- | ---  | 235    | 205 | 218              | 126       | 121 | 124  |
| 4      | ---  | --- | ---  | ---  | --- | ---  | 213    | 205 | 209              | 128       | 123 | 125  |
| 5      | ---  | --- | ---  | ---  | --- | ---  | 220    | 211 | 214              | 142       | 128 | 135  |
| 6      | ---  | --- | ---  | ---  | --- | ---  | 232    | 217 | 223              | 154       | 141 | 145  |
| 7      | ---  | --- | ---  | 255  | 235 | 243  | 241    | 230 | 234              | 166       | 154 | 160  |
| 8      | ---  | --- | ---  | 249  | 238 | 242  | 237    | 225 | 232              | 177       | 166 | 171  |
| 9      | ---  | --- | ---  | 270  | 249 | 260  | 252    | 237 | 243              | 182       | 172 | 177  |
| 10     | ---  | --- | ---  | 270  | 254 | 258  | 263    | 248 | 255              | 178       | 171 | 174  |
| 11     | ---  | --- | ---  | 256  | 228 | 240  | 273    | 249 | 263              | 185       | 173 | 177  |
| 12     | ---  | --- | ---  | 243  | 236 | 240  | 274    | 260 | 266              | 199       | 185 | 191  |
| 13     | ---  | --- | ---  | 244  | 237 | 241  | 278    | 264 | 272              | 205       | 193 | 199  |
| 14     | ---  | --- | ---  | 243  | 161 | 231  | 281    | 265 | 274              | 213       | 203 | 208  |
| 15     | ---  | --- | ---  | 227  | 157 | 175  | 287    | 271 | 280              | 222       | 210 | 216  |
| 16     | ---  | --- | ---  | 186  | 164 | 174  | 306    | 282 | 294              | 222       | 206 | 216  |
| 17     | ---  | --- | ---  | 204  | 186 | 193  | 313    | 290 | 300              | 229       | 178 | 204  |
| 18     | ---  | --- | ---  | 218  | 204 | 210  | 316    | 300 | 309              | 225       | 134 | 155  |
| 19     | ---  | --- | ---  | 228  | 218 | 221  | >328   | 312 | 319 <sup>a</sup> | 137       | 133 | 135  |
| 20     | ---  | --- | ---  | 230  | 217 | 224  | >328   | 323 | 327 <sup>a</sup> | 143       | 136 | 139  |
| 21     | ---  | --- | ---  | 218  | 207 | 212  | >328   | 322 | 327 <sup>a</sup> | 151       | 142 | 147  |
| 22     | ---  | --- | ---  | 227  | 215 | 219  | >328   | 319 | 327 <sup>a</sup> | 159       | 150 | 153  |
| 23     | ---  | --- | ---  | 234  | 202 | 220  | >328   | 302 | 316 <sup>a</sup> | 166       | 158 | 162  |
| 24     | ---  | --- | ---  | 202  | 192 | 195  | 319    | 291 | 307              | 165       | 161 | 163  |
| 25     | ---  | --- | ---  | 210  | 196 | 200  | 306    | 290 | 299              | 174       | 164 | 167  |
| 26     | ---  | --- | ---  | 217  | 209 | 212  | 305    | 284 | 297              | 186       | 171 | 178  |
| 27     | ---  | --- | ---  | 222  | 216 | 219  | 310    | 295 | 302              | 193       | 158 | 180  |
| 28     | ---  | --- | ---  | 224  | 213 | 218  | 322    | 306 | 314              | 158       | 150 | 152  |
| 29     | ---  | --- | ---  | ---  | --- | ---  | >328   | 300 | 321 <sup>a</sup> | 158       | 148 | 153  |
| 30     | ---  | --- | ---  | ---  | --- | ---  | 316    | 137 | 254              | 167       | 147 | 159  |
| 31     | ---  | --- | ---  | ---  | --- | ---  | 172    | 135 | 152              | ---       | --- | ---  |
| MONTH  | ---  | --- | ---  | 270  | 157 | 220  | 328    | 135 | 274              | 229       | 121 | 165  |
| PERIOD | >328 | 121 | 219  |      |     |      |        |     |                  |           |     |      |

&gt; Actual value is known to be greater than the value shown

<sup>a</sup> Maximum of 328 was used for data values >328 for computational purposes







## 01018500 ST. CROIX RIVER AT VANCEBORO, ME

(International gaging station)

LOCATION.--Lat 45° 34'06", long 67° 25'42", Washington County, Hydrologic Unit 01050001, on right bank 200 ft downstream from international highway bridge in Vanceboro and 500 ft downstream from outlet of Spednik Lake.

DRAINAGE AREA.--413 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1928 to current year.

CHEMICAL ANALYSES: Water year 1955.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 367.75 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 29, 1999 water stage recorder at site 200 ft upstream at international highway bridge at same datum.

REMARKS.--Records good, including periods of no gage-height record, Oct. 29 and Dec. 17. Flow regulated by Chiputneticook Lakes, combined usable capacity about 13.20 billion ft<sup>3</sup>. Final regulation is at Spednik Lake Dam, 500 ft upstream. Gage is operated in conjunction with a co-located precipitation gage (station 453405067254501). Records for precipitation are located in the Quantity of Precipitation section in this report. Telephone and satellite telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,730 ft<sup>3</sup>/s, June 3, 1984, gage height, 11.28 ft; minimum daily discharge, 1.9 ft<sup>3</sup>/s, Oct. 12, 22 and Nov. 4, 1936, when flow was held back by cofferdam during repairs to dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,150 ft<sup>3</sup>/s, Apr. 30, gage height, 10.71 ft; minimum daily discharge, 218 ft<sup>3</sup>/s, Apr. 1.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC   | JAN   | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1     | 798    | 365    | 247   | 245   | 618    | 737    | 218    | 5,840  | 845    | 964    | 879    | 820    |
| 2     | 791    | 362    | 234   | 246   | 727    | 731    | 222    | 5,560  | 746    | 964    | 880    | 817    |
| 3     | 786    | 367    | 235   | 247   | 813    | 727    | 226    | 5,010  | 746    | 959    | 878    | 815    |
| 4     | 779    | 361    | 238   | 248   | 810    | 721    | 232    | 4,560  | 744    | 956    | 757    | 811    |
| 5     | 778    | 364    | 241   | 249   | 803    | 714    | 238    | 3,960  | 744    | 954    | 564    | 808    |
| 6     | 708    | 365    | 242   | 249   | 796    | 707    | 243    | 3,340  | 653    | 954    | 493    | 803    |
| 7     | 666    | 361    | 243   | 249   | 790    | 702    | 247    | 2,870  | 551    | 947    | 491    | 799    |
| 8     | 660    | 364    | 230   | 251   | 785    | 700    | 252    | 2,890  | 551    | 945    | 619    | 794    |
| 9     | 654    | 362    | 220   | 250   | 780    | 581    | 256    | 2,890  | 550    | 942    | 701    | 793    |
| 10    | 654    | 360    | 220   | 250   | 778    | 406    | 259    | 2,890  | 696    | 941    | 699    | 792    |
| 11    | 653    | 358    | 222   | 251   | 780    | 379    | 262    | 2,890  | 792    | 940    | 696    | 785    |
| 12    | 658    | 445    | 224   | 251   | 775    | 309    | 265    | 2,900  | 791    | 938    | 693    | 957    |
| 13    | 561    | 506    | 224   | 251   | 770    | 311    | 269    | 2,480  | 665    | 936    | 690    | 1,060  |
| 14    | 491    | 506    | 225   | 253   | 763    | 313    | 271    | 2,210  | 567    | 934    | 687    | 1,060  |
| 15    | 489    | 454    | 226   | 254   | 697    | 316    | 275    | 2,200  | 567    | 932    | 685    | 1,060  |
| 16    | 489    | 347    | 226   | 254   | 708    | 317    | 277    | 1,910  | 569    | 929    | 682    | 1,060  |
| 17    | 491    | 296    | e226  | 255   | 907    | 267    | 280    | 1,400  | 670    | 929    | 679    | 1,050  |
| 18    | 491    | 294    | 227   | 257   | 863    | 236    | 283    | 1,030  | 749    | 923    | 676    | 1,050  |
| 19    | 489    | 295    | 227   | 256   | 791    | 238    | 407    | 858    | 751    | 920    | 672    | 1,050  |
| 20    | 486    | 294    | 227   | 257   | 786    | 238    | 507    | 859    | 750    | 919    | 667    | 1,040  |
| 21    | 482    | 292    | 228   | 259   | 780    | 240    | 788    | 856    | 905    | 914    | 666    | 1,040  |
| 22    | 481    | 293    | 228   | 259   | 773    | 240    | 971    | 855    | 994    | 911    | 663    | 1,030  |
| 23    | 478    | 292    | 228   | 259   | 769    | 241    | 971    | 856    | 992    | 908    | 661    | 1,030  |
| 24    | 475    | 291    | 233   | 327   | 764    | 243    | 969    | 856    | 990    | 905    | 774    | 1,030  |
| 25    | 473    | 294    | 236   | 409   | 757    | 244    | 975    | 856    | 985    | 899    | 838    | 1,010  |
| 26    | 472    | 301    | 238   | 485   | 753    | 245    | 1,710  | 858    | 984    | 896    | 832    | 1,010  |
| 27    | 470    | 299    | 240   | 525   | 746    | 246    | 3,250  | 863    | 978    | 894    | 827    | 1,010  |
| 28    | 468    | 297    | 241   | 525   | 739    | 248    | 3,240  | 867    | 977    | 895    | 820    | 1,000  |
| 29    | e442   | 306    | 242   | 525   | ---    | 256    | 3,300  | 869    | 973    | 891    | 816    | 995    |
| 30    | 364    | 285    | 243   | 523   | ---    | 261    | 4,950  | 1,130  | 968    | 887    | 818    | 1,000  |
| 31    | 364    | ---    | 243   | 567   | ---    | 236    | ---    | 1,160  | ---    | 880    | 816    | ---    |
| TOTAL | 17,541 | 10,376 | 7,204 | 9,686 | 21,621 | 12,350 | 26,613 | 68,573 | 23,443 | 28,706 | 22,319 | 28,379 |
| MEAN  | 566    | 346    | 232   | 312   | 772    | 398    | 887    | 2,212  | 781    | 926    | 720    | 946    |
| MAX   | 798    | 506    | 247   | 567   | 907    | 737    | 4,950  | 5,840  | 994    | 964    | 880    | 1,060  |
| MIN   | 364    | 285    | 220   | 245   | 618    | 236    | 218    | 855    | 550    | 880    | 491    | 785    |

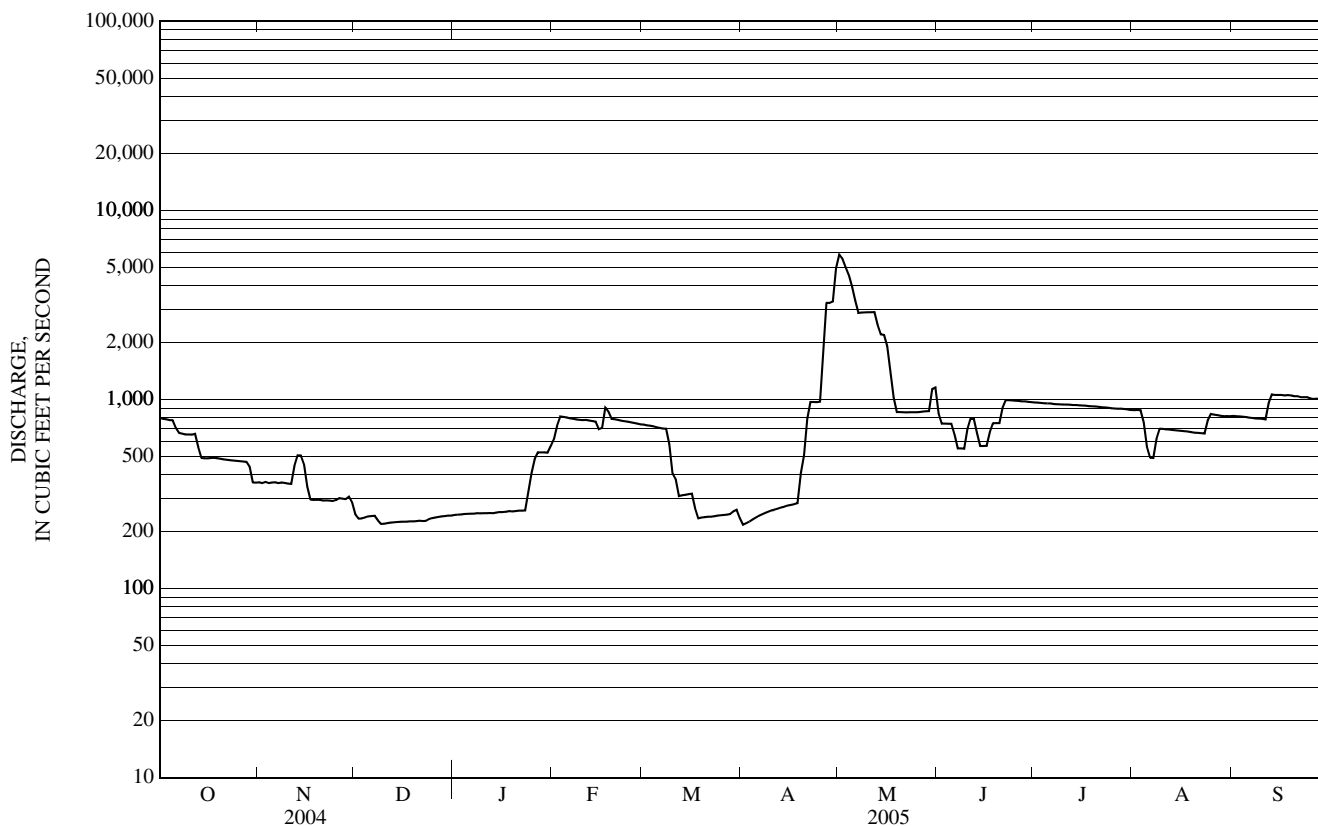
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

| MEAN | 566    | 463    | 530    | 751    | 841    | 690    | 675    | 987    | 865    | 805    | 758    | 674    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 1,410  | 1,427  | 2,572  | 1,811  | 3,034  | 1,879  | 2,566  | 2,801  | 1,746  | 1,680  | 1,646  | 1,530  |
| (WY) | (1974) | (1982) | (1960) | (2004) | (1978) | (1996) | (1976) | (1945) | (1952) | (1984) | (1984) | (1989) |
| MIN  | 121    | 112    | 152    | 234    | 222    | 192    | 75.4   | 193    | 219    | 228    | 301    | 216    |
| (WY) | (1945) | (1937) | (1936) | (1999) | (1948) | (1948) | (1938) | (1943) | (1985) | (1966) | (1965) | (1966) |

e Estimated

## 01018500 ST. CROIX RIVER AT VANCEBORO, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1929 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 226,879                |        | 276,811             |        | 716                     |              |
| ANNUAL MEAN              | 620                    |        | 758                 |        | 1,203                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 335                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1985                    |              |
| HIGHEST DAILY MEAN       | 2,010                  | Jan 8  | 5,840               | May 1  | 6,210                   | Jun 3, 1984  |
| LOWEST DAILY MEAN        | 213                    | May 9  | 218                 | Apr 1  | 1.9                     | Oct 12, 1936 |
| ANNUAL SEVEN-DAY MINIMUM | 215                    | Apr 24 | 223                 | Dec 9  | 2.0                     | Oct 11, 1936 |
| MAXIMUM PEAK FLOW        |                        |        | 6,150               | Apr 30 | 6,730                   | Jun 3, 1984  |
| MAXIMUM PEAK STAGE       |                        |        | 10.71               | Apr 30 | 11.28                   | Jun 3, 1984  |
| 10 PERCENT EXCEEDS       | 1,580                  |        | 1,030               |        | 1,360                   |              |
| 50 PERCENT EXCEEDS       | 444                    |        | 685                 |        | 592                     |              |
| 90 PERCENT EXCEEDS       | 230                    |        | 241                 |        | 226                     |              |



## 01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME

LOCATION.--Lat 45° 10'21", long 67° 46'08", Washington County, Hydrologic Unit 01050001, on left bank at Big Falls, 0.5 mi southeast of village of Grand Lake Stream, and 0.8 mi downstream from outlet dam of Grand Lake.

DRAINAGE AREA.--227 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1928 to current year. Monthly discharge only for October 1928 published in WSP 1301.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-01-1: 1952, 1954, 1955(M), 1958(M), 1960, 1983(M), 1984(M), 1989(M).

GAGE.--Water-stage recorder. Datum of gage is 273.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, including periods of ice effect, Dec. 17-18, 20-21, Dec. 27 to Jan. 3, Jan. 6, 11-12, 15, 18-22, 24, 27-29, Feb. 10-11, and period of no gage-height record, June 7-8. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8.25 billion ft<sup>3</sup>. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,930 ft<sup>3</sup>/s, May 27, 2005, gage height, 6.61 ft; maximum gage height, 6.69 ft, Apr. 25, 1983; minimum daily discharge, 5 ft<sup>3</sup>/s, Dec. 3-6, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,930 ft<sup>3</sup>/s, May 27, gage height, 6.61 ft; minimum daily discharge, 110 ft<sup>3</sup>/s, Dec. 22.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 1     | 212   | 122   | 131   | e115  | 124   | 323   | 335    | 2,390  | 1,730  | 540    | 497    | 415    |
| 2     | 212   | 121   | 134   | e115  | 124   | 324   | 338    | 2,360  | 1,120  | 540    | 499    | 413    |
| 3     | 212   | 124   | 130   | e115  | 122   | 323   | 347    | 2,330  | 920    | 535    | 498    | 412    |
| 4     | 211   | 123   | 126   | 115   | 120   | 322   | 353    | 1,990  | 813    | 533    | 492    | 411    |
| 5     | 211   | 126   | 127   | 116   | 119   | 322   | 346    | 1,540  | 643    | 533    | 491    | 408    |
| 6     | 210   | 125   | 127   | e116  | 119   | 323   | 336    | 1,330  | 555    | 529    | 489    | 523    |
| 7     | 209   | 124   | 127   | 116   | 119   | 321   | 339    | 1,330  | e555   | 527    | 486    | 610    |
| 8     | 277   | 124   | 128   | 116   | 119   | 328   | 341    | 1,470  | e555   | 529    | 482    | 607    |
| 9     | 357   | 123   | 128   | 116   | 119   | 288   | 343    | 1,630  | 555    | 530    | 480    | 606    |
| 10    | 355   | 123   | 128   | 117   | e119  | 174   | 345    | 1,370  | 554    | 528    | 478    | 604    |
| 11    | 356   | 122   | 130   | e117  | e120  | 174   | 346    | 1,120  | 553    | 528    | 476    | 597    |
| 12    | 361   | 122   | 129   | e117  | 120   | 175   | 348    | 1,130  | 554    | 524    | 472    | 592    |
| 13    | 355   | 122   | 117   | 118   | 121   | 174   | 350    | 936    | 558    | 522    | 470    | 587    |
| 14    | 349   | 122   | 111   | 121   | 120   | 174   | 351    | 707    | 565    | 520    | 467    | 582    |
| 15    | 347   | 121   | 111   | e120  | 122   | 238   | 353    | 707    | 568    | 519    | 430    | 580    |
| 16    | 350   | 121   | 111   | 119   | 157   | 310   | 354    | 710    | 568    | 514    | 404    | 577    |
| 17    | 351   | 120   | e111  | 119   | 264   | 310   | 355    | 710    | 570    | 512    | 404    | 578    |
| 18    | 303   | 120   | e111  | e119  | 326   | 310   | 356    | 569    | 570    | 508    | 401    | 577    |
| 19    | 204   | 120   | 111   | e120  | 324   | 309   | 357    | 491    | 570    | 506    | 395    | 575    |
| 20    | 150   | 120   | e111  | e122  | 324   | 310   | 358    | 491    | 568    | 504    | 391    | 571    |
| 21    | 149   | 120   | e111  | e123  | 324   | 310   | 364    | 489    | 565    | 501    | 390    | 468    |
| 22    | 149   | 119   | 110   | e124  | 324   | 311   | 362    | 489    | 564    | 498    | 389    | 399    |
| 23    | 149   | 120   | 111   | 125   | 323   | 311   | 363    | 497    | 562    | 499    | 385    | 397    |
| 24    | 149   | 119   | 120   | e125  | 322   | 312   | 475    | 758    | 557    | 496    | 379    | 395    |
| 25    | 135   | 122   | 115   | 125   | 322   | 311   | 853    | 1,030  | 552    | 495    | 378    | 390    |
| 26    | 118   | 123   | 114   | 124   | 322   | 312   | 1,090  | 1,130  | 551    | 498    | 376    | 388    |
| 27    | 120   | 122   | e114  | e124  | 321   | 313   | 1,490  | 2,030  | 548    | 502    | 375    | 389    |
| 28    | 120   | 122   | e114  | e124  | 322   | 316   | 1,600  | 2,890  | 547    | 506    | 373    | 385    |
| 29    | 119   | 130   | e114  | e124  | ---   | 335   | 1,620  | 2,830  | 544    | 500    | 396    | 381    |
| 30    | 119   | 127   | e114  | 124   | ---   | 334   | 2,010  | 2,790  | 542    | 498    | 414    | 384    |
| 31    | 120   | ---   | e115  | 124   | ---   | 334   | ---    | 2,430  | ---    | 492    | 413    | ---    |
| TOTAL | 7,039 | 3,669 | 3,691 | 3,715 | 5,782 | 9,031 | 17,178 | 42,674 | 19,176 | 15,966 | 13,470 | 14,801 |
| MEAN  | 227   | 122   | 119   | 120   | 206   | 291   | 573    | 1,377  | 639    | 515    | 435    | 493    |
| MAX   | 361   | 130   | 134   | 125   | 326   | 335   | 2,010  | 2,890  | 1,730  | 540    | 499    | 610    |
| MIN   | 118   | 119   | 110   | 115   | 119   | 174   | 335    | 489    | 542    | 492    | 373    | 381    |

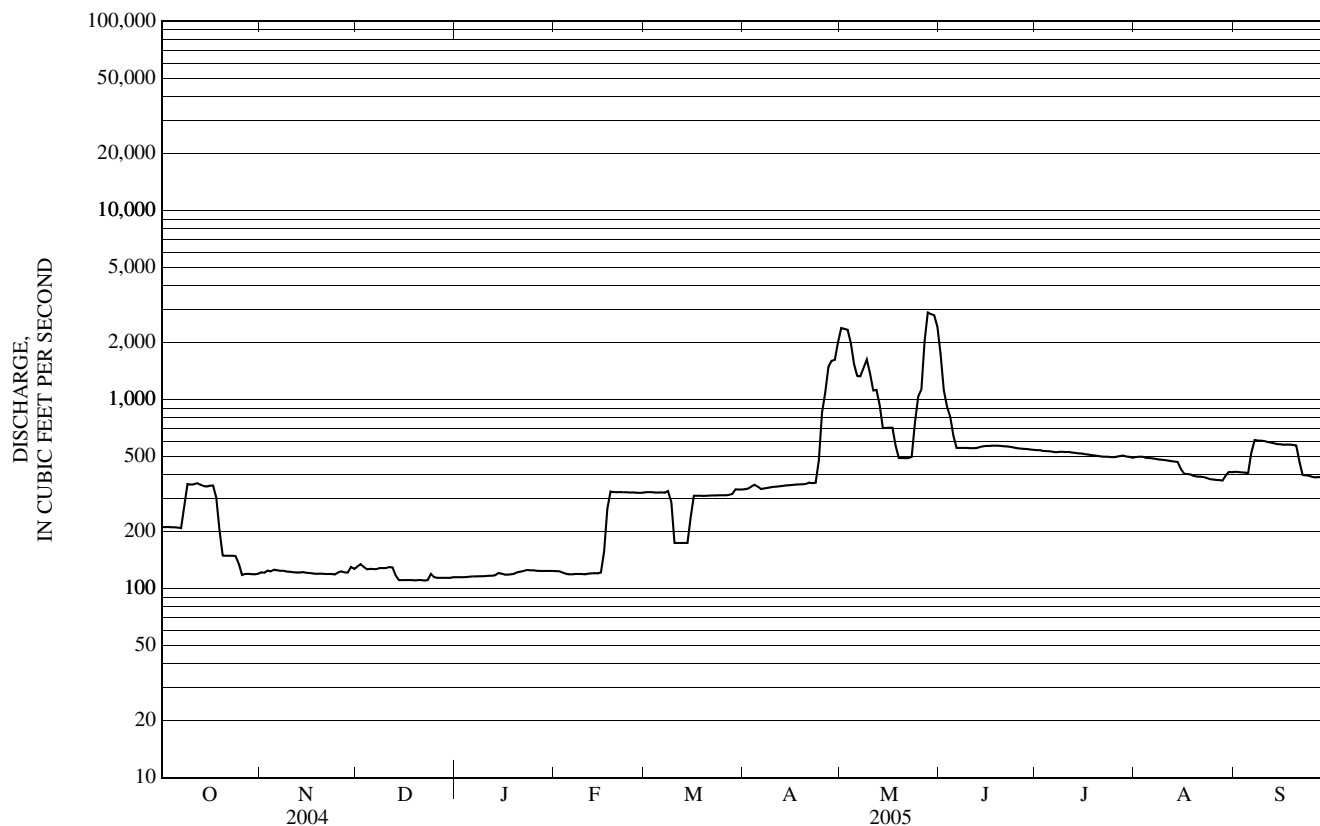
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

| MEAN | 340    | 208    | 243    | 364    | 474    | 457    | 337    | 411    | 447    | 421    | 468    | 450    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 890    | 666    | 1,261  | 1,096  | 1,330  | 1,117  | 1,248  | 1,377  | 1,159  | 843    | 1,173  | 933    |
| (WY) | (1948) | (1982) | (1960) | (1970) | (1964) | (1960) | (1936) | (2005) | (1971) | (1959) | (1952) | (1942) |
| MIN  | 84.5   | 39.4   | 20.3   | 87.8   | 47.5   | 39.4   | 49.7   | 17.7   | 54.9   | 102    | 129    | 103    |
| (WY) | (1950) | (1946) | (1946) | (1932) | (1930) | (1930) | (1931) | (1931) | (1931) | (1942) | (1936) | (1949) |

e Estimated

## 01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1929 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 133,850                |        | 156,192             |        | 386                     |              |
| ANNUAL MEAN              | 366                    |        | 428                 |        | 178                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 697                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1931                    |              |
| HIGHEST DAILY MEAN       | 1,470                  | Jan 3  | 2,890               | May 28 | 2,890                   | May 28, 2005 |
| LOWEST DAILY MEAN        | 110                    | Dec 22 | 110                 | Dec 22 | 5.0                     | Dec 3, 1945  |
| ANNUAL SEVEN-DAY MINIMUM | 111                    | Dec 16 | 111                 | Dec 16 | 6.4                     | Dec 1, 1945  |
| MAXIMUM PEAK FLOW        |                        |        | 2,930               | May 27 | 2,930                   | May 27, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 6.61                | May 27 | 6.69                    | Apr 25, 1983 |
| 10 PERCENT EXCEEDS       | 661                    |        | 623                 |        | 805                     |              |
| 50 PERCENT EXCEEDS       | 275                    |        | 347                 |        | 291                     |              |
| 90 PERCENT EXCEEDS       | 122                    |        | 119                 |        | 120                     |              |



01021000 ST. CROIX RIVER AT BARING, ME  
(International gaging station)

LOCATION.--Lat 45° 08'13", long 67° 19'05", Washington County, Hydrologic Unit 01050001, on right bank at site of destroyed international highway bridge at Baring.

DRAINAGE AREA.--1,374 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1959 to current year. Records for October 1998 to September 1999, published as St.Croix River at Woodland. Records prior to water year 1974 have not been published, but are available in the files of the U.S. Geological Survey.

CHEMICAL ANALYSES: Water year 1971.

WATER TEMPERATURE: October 1959 to September 1976.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 66.23 ft above National Geodetic Vertical Datum of 1929. July 28, 1999 to Apr. 30, 2000, at site 5.0 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 18-21, Dec. 28 to Jan. 2, Jan. 12, Jan. 18 to Feb. 3, Feb. 20-21, 24-25, 27-28, and period of no gage-height record, May 2-3, which are fair. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25 billion ft<sup>3</sup>. Final regulation is at Woodland, 5.6 mi upstream from gage. Telephone and satellite telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft<sup>3</sup>/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft<sup>3</sup>/s, Oct. 20, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 24,100 ft<sup>3</sup>/s at Baring, based on flows for the St. Croix River near Baileyville (station 01020000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft<sup>3</sup>/s, Apr. 30, gage height, 11.38 ft; minimum daily discharge, 784 ft<sup>3</sup>/s, Nov. 21.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR     | APR     | MAY     | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|
| 1     | 1,310  | 859    | 3,490  | e1,470 | e1,910 | 1,790   | 11,300  | 15,400  | 5,820  | 2,090  | 2,040  | 2,460  |
| 2     | 1,320  | 1,050  | 6,040  | e1,500 | e1,440 | 1,930   | 10,600  | e15,200 | 5,950  | 2,040  | 3,160  | 2,380  |
| 3     | 1,150  | 1,070  | 5,380  | 1,520  | e1,150 | 1,910   | 9,480   | e14,700 | 5,330  | 1,950  | 3,610  | 2,210  |
| 4     | 944    | 1,210  | 4,270  | 1,420  | 1,070  | 1,920   | 9,670   | 13,900  | 4,750  | 1,690  | 3,260  | 2,140  |
| 5     | 964    | 1,270  | 4,440  | 1,290  | 973    | 1,860   | 10,200  | 12,700  | 4,080  | 1,910  | 3,120  | 1,880  |
| 6     | 960    | 1,180  | 3,740  | 1,160  | 942    | 1,720   | 10,700  | 11,400  | 3,400  | 1,990  | 2,820  | 1,810  |
| 7     | 1,020  | 1,100  | 2,470  | 1,170  | 954    | 2,110   | 9,370   | 10,200  | 2,900  | 1,310  | 2,710  | 1,660  |
| 8     | 990    | 890    | 2,050  | 1,160  | 947    | 1,950   | 8,300   | 10,100  | 3,330  | 1,570  | 2,080  | 1,520  |
| 9     | 969    | 1,820  | 1,940  | 1,160  | 1,600  | 3,920   | 7,610   | 9,810   | 3,140  | 1,580  | 2,050  | 1,700  |
| 10    | 882    | 1,910  | 2,110  | 1,390  | 1,510  | 3,910   | 6,420   | 9,350   | 3,030  | 1,630  | 1,930  | 1,880  |
| 11    | 1,020  | 2,180  | 1,880  | 1,200  | 1,150  | 3,040   | 5,780   | 9,230   | 2,850  | 1,590  | 1,500  | 2,420  |
| 12    | 1,070  | 1,930  | 1,950  | e1,230 | 1,560  | 3,390   | 5,270   | 8,290   | 2,850  | 1,810  | 1,470  | 2,370  |
| 13    | 1,490  | 863    | 2,040  | 1,450  | 1,650  | 3,380   | 4,720   | 6,450   | 2,760  | 1,880  | 1,270  | 1,570  |
| 14    | 1,450  | 807    | 2,470  | 2,500  | 1,540  | 3,400   | 4,050   | 5,670   | 2,610  | 1,950  | 1,640  | 1,450  |
| 15    | 980    | 810    | 1,810  | 2,920  | 1,150  | 3,390   | 3,340   | 5,600   | 2,500  | 2,150  | 1,960  | 1,540  |
| 16    | 955    | 806    | 1,560  | 3,040  | 1,110  | 3,470   | 3,180   | 4,730   | 2,180  | 1,620  | 1,410  | 1,610  |
| 17    | 975    | 869    | 1,590  | 2,760  | 1,620  | 3,540   | 3,090   | 4,020   | 2,130  | 1,720  | 2,040  | 2,030  |
| 18    | 1,190  | 877    | e1,370 | e1,230 | 1,670  | 3,470   | 3,090   | 4,060   | 2,340  | 1,930  | 1,540  | 2,460  |
| 19    | 1,240  | 825    | e1,280 | e1,060 | 1,720  | 2,870   | 2,690   | 3,960   | 2,240  | 1,860  | 1,320  | 2,190  |
| 20    | 1,030  | 785    | e1,200 | e1,090 | e1,740 | 3,200   | 2,830   | 3,240   | 2,530  | 1,940  | 1,380  | 2,030  |
| 21    | 892    | 784    | e1,250 | e1,300 | e2,070 | 3,150   | 3,120   | 3,140   | 2,670  | 1,520  | 1,370  | 1,680  |
| 22    | 885    | 1,460  | 1,700  | e1,310 | 1,990  | 3,000   | 3,290   | 3,140   | 2,710  | 1,780  | 1,320  | 1,680  |
| 23    | 867    | 1,050  | 1,760  | e1,470 | 1,580  | 3,010   | 3,050   | 3,370   | 2,360  | 2,100  | 1,520  | 1,710  |
| 24    | 932    | 843    | 3,350  | e1,640 | e1,730 | 3,010   | 3,630   | 5,040   | 2,000  | 1,950  | 1,460  | 1,640  |
| 25    | 1,180  | 926    | 3,350  | e1,280 | e1,990 | 3,100   | 4,800   | 5,640   | 2,000  | 1,800  | 1,450  | 1,600  |
| 26    | 2,200  | 1,240  | 3,110  | e1,400 | 1,730  | 3,130   | 7,150   | 5,620   | 1,880  | 1,810  | 1,570  | 1,840  |
| 27    | 1,710  | 1,200  | 2,390  | e1,720 | e1,700 | 3,130   | 9,150   | 7,910   | 2,130  | 1,950  | 1,580  | 2,010  |
| 28    | 1,070  | 1,180  | e2,250 | e1,810 | e1,790 | 3,140   | 9,040   | 7,210   | 2,120  | 2,050  | 1,320  | 1,660  |
| 29    | 900    | 2,190  | e2,160 | e1,170 | ---    | 5,580   | 9,940   | 6,320   | 1,930  | 2,120  | 1,470  | 1,430  |
| 30    | 844    | 2,330  | e2,100 | e1,210 | ---    | 8,280   | 13,900  | 6,690   | 1,950  | 2,000  | 1,690  | 1,520  |
| 31    | 840    | ---    | e1,740 | e1,080 | ---    | 10,700  | ---     | 6,120   | ---    | 1,970  | 1,960  | ---    |
| TOTAL | 34,229 | 36,314 | 78,240 | 47,110 | 41,986 | 105,400 | 198,760 | 238,210 | 88,470 | 57,260 | 59,020 | 56,080 |
| MEAN  | 1,104  | 1,210  | 2,524  | 1,520  | 1,500  | 3,400   | 6,625   | 7,684   | 2,949  | 1,847  | 1,904  | 1,869  |
| MAX   | 2,200  | 2,330  | 6,040  | 3,040  | 2,070  | 10,700  | 13,900  | 15,400  | 5,950  | 2,150  | 3,610  | 2,460  |
| MIN   | 840    | 784    | 1,200  | 1,060  | 942    | 1,720   | 2,690   | 3,140   | 1,880  | 1,310  | 1,270  | 1,430  |

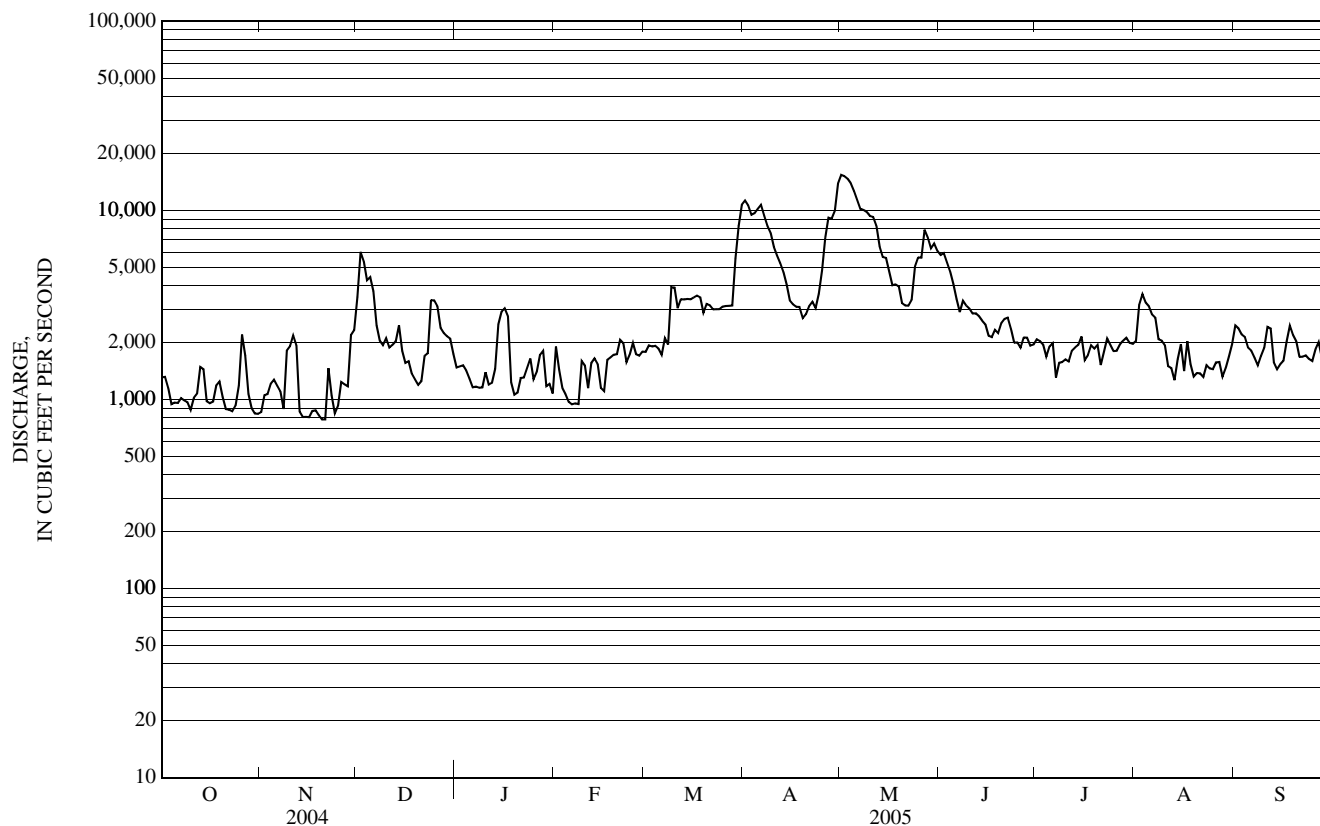
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1,804  | 2,264  | 2,697  | 2,312  | 2,602  | 3,063  | 5,238  | 3,729  | 2,299  | 1,687  | 1,593  | 1,652  |
| MAX  | 3,865  | 5,679  | 8,397  | 5,303  | 6,031  | 8,009  | 9,438  | 7,684  | 6,054  | 5,042  | 2,987  | 3,269  |
| (WY) | (1982) | (1964) | (1960) | (1978) | (1978) | (1998) | (1976) | (2005) | (1977) | (1996) | (1981) | (1981) |
| MIN  | 555    | 381    | 818    | 642    | 756    | 1,236  | 2,024  | 1,076  | 888    | 652    | 636    | 855    |
| (WY) | (1965) | (1965) | (2002) | (2002) | (2002) | (1993) | (1985) | (1987) | (2002) | (1966) | (1966) | (1978) |

e Estimated

## 01021000 ST. CROIX RIVER AT BARING, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1960 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 722,961                |        | 1,041,079           |        | 2,575                   |              |
| ANNUAL MEAN              | 1,975                  |        | 2,852               |        | 3,863                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,280                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 23,200                  |              |
| HIGHEST DAILY MEAN       | 6,570                  | Apr 16 | 15,400              | May 1  | 23,200                  | May 29, 1961 |
| LOWEST DAILY MEAN        | 759                    | Jul 26 | 784                 | Nov 21 | 262                     | Oct 20, 1964 |
| ANNUAL SEVEN-DAY MINIMUM | 822                    | Nov 15 | 822                 | Nov 15 | 327                     | Nov 6, 1964  |
| MAXIMUM PEAK FLOW        |                        |        | 15,900              | Apr 30 | 23,500                  | May 29, 1961 |
| MAXIMUM PEAK STAGE       |                        |        | 11.38               | Apr 30 | 12.76                   | May 29, 1961 |
| 10 PERCENT EXCEEDS       | 3,630                  |        | 5,990               |        | 4,800                   |              |
| 50 PERCENT EXCEEDS       | 1,670                  |        | 1,930               |        | 2,090                   |              |
| 90 PERCENT EXCEEDS       | 887                    |        | 1,040               |        | 951                     |              |











ST. CROIX RIVER BASIN  
01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

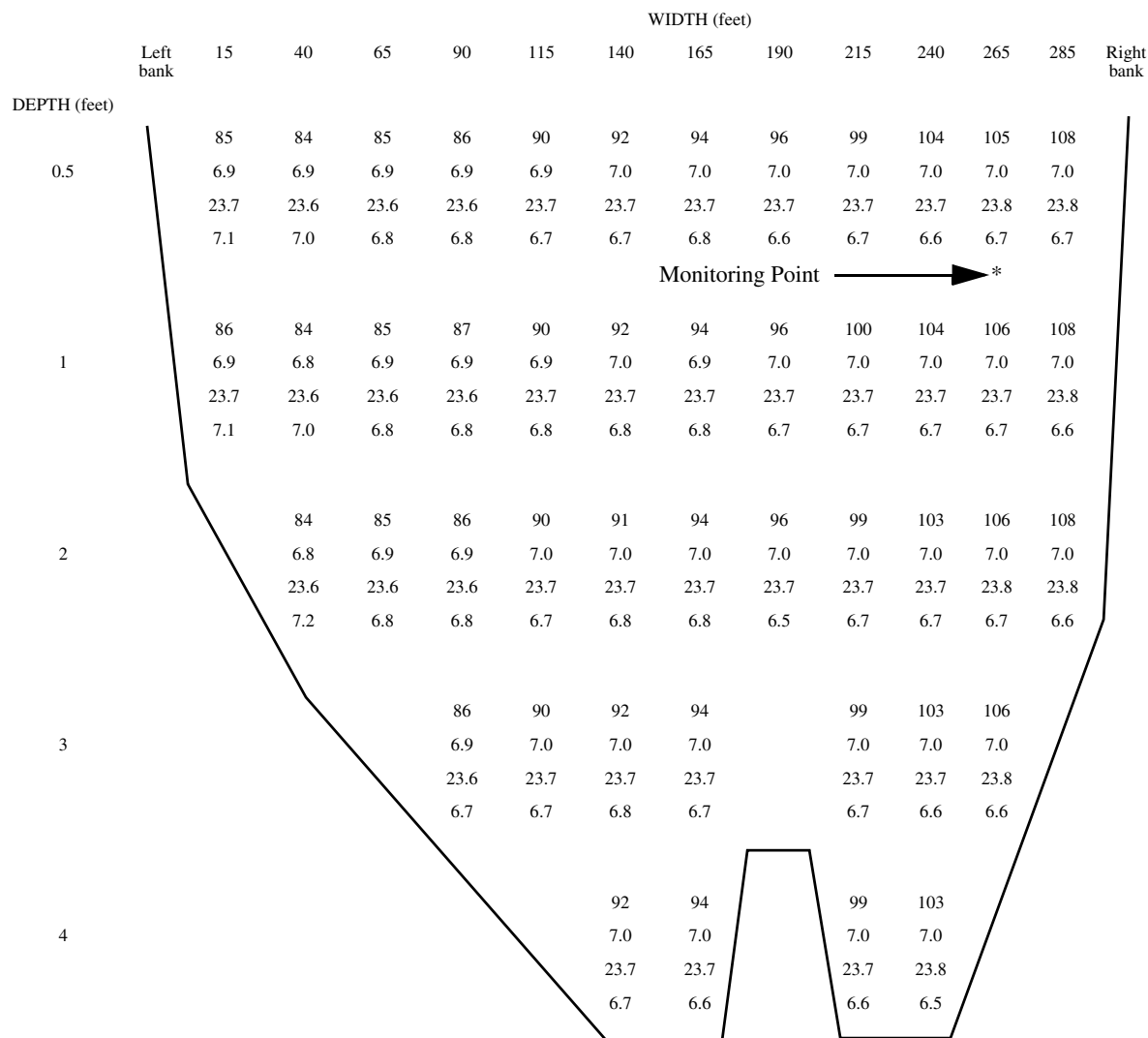
Cross section was performed on Aug. 17, 2005, from 1:35pm to 2:20pm, with field parameters displayed in the following order:

SPECIFIC CONDUCTANCE (microsiemens/cm)

pH (standard units)

WATER TEMPERATURE: (degrees Celsius)

DISSOLVED OXYGEN: (mg/L)



|         | Cross Section Values |      |      | Recorded Hourly Values |       |       | Recorded Daily Values |      |      |
|---------|----------------------|------|------|------------------------|-------|-------|-----------------------|------|------|
|         | Max                  | Min  | Mean | 15:00                  | 16:00 | 17:00 | Max                   | Min  | Mean |
| Sp Cond | 108                  | 84   | 95   | 111                    | 109   | 106   | 121                   | 82   | 107  |
| pH      | 7                    | 6.8  | 7    | 6.8                    | 6.8   | 6.8   | 6.8                   | 6.7  | 6.8  |
| WT      | 24                   | 23.6 | 23.7 | 24.1                   | 24.3  | 24.4  | 24.7                  | 23.4 | 24.2 |
| DO      | 7.2                  | 6.5  | 6.7  | 6.6                    | 6.7   | 6.7   | 7.1                   | 6.6  | 6.8  |



Wading measurement  
Cathance Stream at Edmunds, Maine (01021230)  
May 2005

## 01021200 DENNY'S RIVER AT DENNYVILLE, ME

LOCATION.--Lat 44° 54'05", long 67° 14'51", Washington County, Hydrologic Unit 01050002, on right bank 100 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennyville.

DRAINAGE AREA.--92.9 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

## PERIOD OF RECORD.--

DISCHARGE: October 1955 to September 1998, May 2001 to current year.

WATER TEMPERATURE: October 1958 to September 1972.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 54.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 16-23, Jan. 20 to Feb. 14, Feb. 26 to Mar. 8, periods of doubtful stage-discharge relation, Oct. 1-16, Oct. 25 to Nov. 3, Nov. 17 to Dec. 1, Sept. 14-30, and period of doubtful gage-height record, Feb. 22 to Sept. 30, which are fair. Flow regulated by dam at outlet of Meddybemps Lake, 14 mi upstream, usable capacity about 1.507 billion ft<sup>3</sup>. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 445404067145201). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,930 ft<sup>3</sup>/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,600 ft<sup>3</sup>/s); minimum daily discharge, 8.6 ft<sup>3</sup>/s, Sept. 30, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,190 ft<sup>3</sup>/s, Mar. 29, gage height, 6.79 ft; minimum daily discharge, 44 ft<sup>3</sup>/s, Nov. 24.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|
| 1     | e57   | e84   | e407  | 148   | e80   | e102   | 954    | 958    | 539   | 75    | 78    | 160   |
| 2     | e55   | e77   | 743   | 164   | e78   | e108   | 822    | 972    | 426   | 84    | 84    | 141   |
| 3     | e54   | e82   | 547   | 161   | e78   | e106   | 816    | 838    | 373   | 87    | 86    | 105   |
| 4     | e53   | 93    | 434   | 166   | e78   | e104   | 1,220  | 621    | 252   | 83    | 83    | 85    |
| 5     | e52   | 113   | 414   | 150   | e78   | e103   | 1,100  | 483    | 187   | 81    | 79    | 74    |
| 6     | e50   | 147   | 363   | 129   | e77   | e100   | 951    | 523    | 174   | 79    | 78    | 67    |
| 7     | e49   | 118   | 310   | 119   | e75   | e99    | 883    | 552    | 304   | 80    | 76    | 64    |
| 8     | e48   | 125   | 355   | 113   | e75   | e114   | 828    | 851    | 294   | 78    | 74    | 62    |
| 9     | e47   | 132   | 333   | 109   | e75   | 464    | 757    | 822    | 238   | 79    | 73    | 66    |
| 10    | e47   | 104   | 319   | 106   | e82   | 567    | 625    | 704    | 182   | 82    | 72    | 72    |
| 11    | e50   | 86    | 356   | 104   | e81   | 519    | 557    | 609    | 144   | 88    | 71    | 72    |
| 12    | e85   | 78    | 417   | 97    | e89   | 438    | 513    | 401    | 129   | 89    | 70    | 71    |
| 13    | e95   | 71    | 404   | 98    | e95   | 356    | 433    | 232    | 121   | 84    | 70    | 70    |
| 14    | e84   | 66    | 400   | 163   | e91   | 292    | 338    | 196    | 114   | 81    | 70    | e68   |
| 15    | e75   | 60    | 328   | 289   | 112   | 246    | 296    | 184    | 115   | 81    | 71    | e73   |
| 16    | e112  | 56    | e290  | 231   | 189   | 223    | 229    | 208    | 119   | 78    | 69    | e84   |
| 17    | 183   | e53   | e269  | 171   | 236   | 217    | 207    | 217    | 132   | 75    | 67    | e98   |
| 18    | 161   | e51   | e242  | 137   | 249   | 211    | 201    | 204    | 156   | 74    | 66    | e131  |
| 19    | 122   | e49   | e235  | 121   | 213   | 209    | 195    | 252    | 179   | 73    | 64    | e108  |
| 20    | 96    | e48   | e226  | e115  | 169   | 210    | 191    | 233    | 156   | 78    | 63    | e80   |
| 21    | 82    | e47   | e209  | e110  | 146   | 230    | 245    | 201    | 132   | 82    | 65    | e79   |
| 22    | 73    | e46   | e196  | e107  | 133   | 239    | 252    | 233    | 116   | 82    | 65    | e67   |
| 23    | 67    | e45   | e191  | e104  | 125   | 250    | 224    | 561    | 109   | 82    | 67    | e60   |
| 24    | 62    | e44   | 330   | e101  | 118   | 252    | 226    | 736    | 97    | 80    | 76    | e55   |
| 25    | e58   | e128  | 307   | e98   | 112   | 240    | 518    | 731    | 91    | 82    | 78    | e51   |
| 26    | e55   | e321  | 202   | e96   | e108  | 249    | 609    | 1,010  | 86    | 84    | 76    | e53   |
| 27    | e52   | e259  | 128   | e92   | e103  | 237    | 430    | 1,470  | 81    | 82    | 75    | e85   |
| 28    | e49   | e201  | 117   | e91   | e98   | 266    | 571    | 1,220  | 79    | 85    | 74    | e90   |
| 29    | e46   | e412  | 150   | e88   | ---   | 1,520  | 1,090  | 1,040  | 79    | 82    | 76    | e85   |
| 30    | e45   | e480  | 125   | e86   | ---   | 1,760  | 802    | 885    | 77    | 79    | 128   | e102  |
| 31    | e60   | ---   | 118   | e83   | ---   | 1,260  | ---    | 730    | ---   | 77    | 145   | ---   |
| TOTAL | 2,224 | 3,676 | 9,465 | 3,947 | 3,243 | 11,291 | 17,083 | 18,877 | 5,281 | 2,506 | 2,389 | 2,478 |
| MEAN  | 71.7  | 123   | 305   | 127   | 116   | 364    | 569    | 609    | 176   | 80.8  | 77.1  | 82.6  |
| MAX   | 183   | 480   | 743   | 289   | 249   | 1,760  | 1,220  | 1,470  | 539   | 89    | 145   | 160   |
| MIN   | 45    | 44    | 117   | 83    | 75    | 99     | 191    | 184    | 77    | 73    | 63    | 51    |

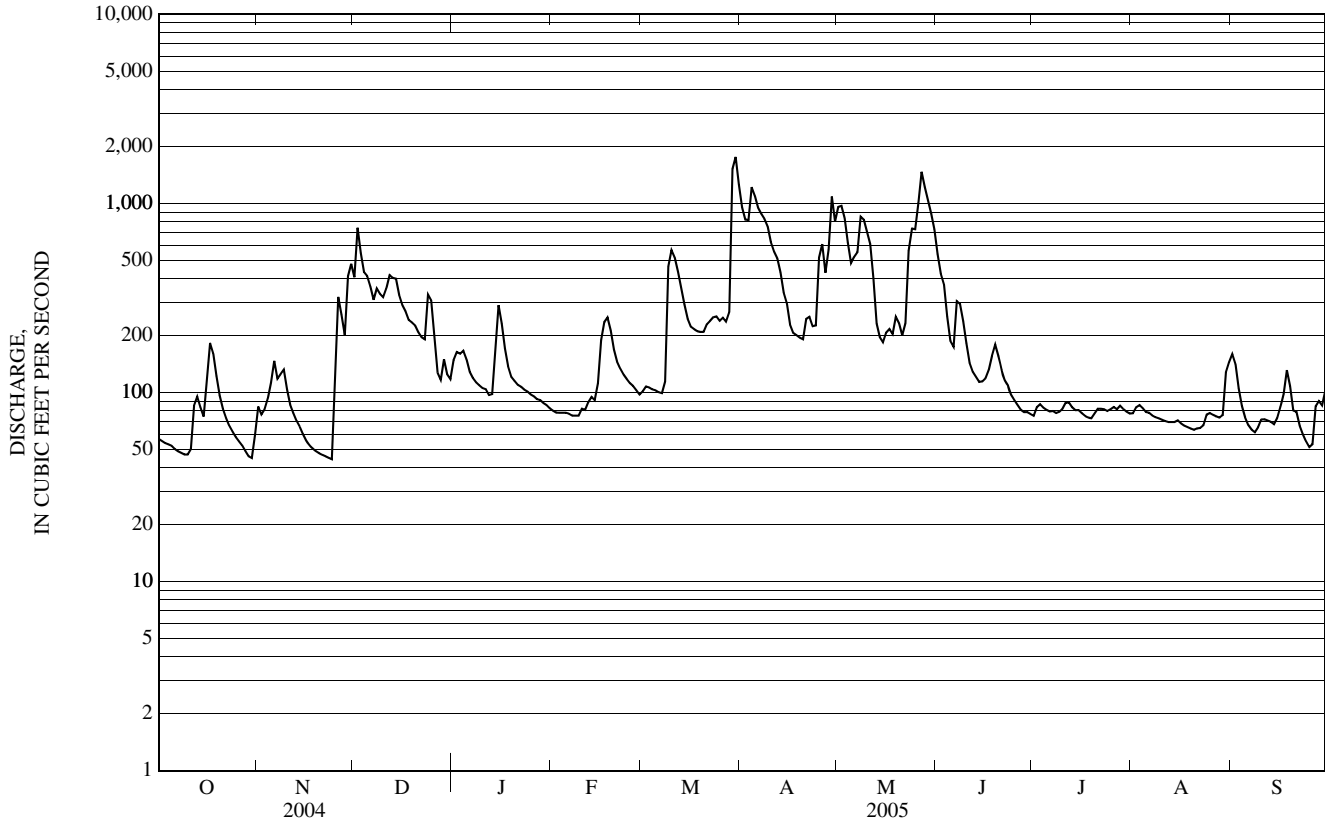
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

|      | 112    | 193    | 221    | 186    | 186    | 263    | 439    | 279    | 166    | 99.7   | 75.4   | 78.6   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 317    | 505    | 528    | 457    | 548    | 666    | 737    | 732    | 382    | 354    | 205    | 201    |
| (WY) | (1978) | (1964) | (2004) | (1958) | (1976) | (1998) | (1969) | (1972) | (1977) | (1996) | (1991) | (1981) |
| MIN  | 11.7   | 33.0   | 48.5   | 42.3   | 48.1   | 100    | 134    | 96.4   | 35.4   | 25.3   | 15.7   | 11.4   |
| (WY) | (1958) | (2002) | (1956) | (1985) | (2004) | (2004) | (1985) | (1957) | (1965) | (1965) | (1956) | (1957) |

e Estimated

## 01021200 DENNY'S RIVER AT DENNYVILLE, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1956 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 52,002                 |        | 82,460              |        | 192                     |              |
| ANNUAL MEAN              | 142                    |        | 226                 |        | 292                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 96.0                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1973                    |              |
| HIGHEST DAILY MEAN       | 879                    | Apr 3  | 1,760               | Mar 30 | 3,350                   | Apr 29, 1973 |
| LOWEST DAILY MEAN        | 42                     | Feb 27 | 44                  | Nov 24 | 8.6                     | Sep 30, 1957 |
| ANNUAL SEVEN-DAY MINIMUM | 44                     | Feb 21 | 47                  | Nov 18 | 9.5                     | Sep 25, 1957 |
| MAXIMUM PEAK FLOW        |                        |        | 2,190               | Mar 29 | 3,930                   | Apr 29, 1973 |
| MAXIMUM PEAK STAGE       |                        |        | 6.79                | Mar 29 | 9.35                    | Apr 29, 1973 |
| 10 PERCENT EXCEEDS       | 320                    |        | 559                 |        | 417                     |              |
| 50 PERCENT EXCEEDS       | 89                     |        | 112                 |        | 129                     |              |
| 90 PERCENT EXCEEDS       | 49                     |        | 64                  |        | 45                      |              |



01021200 DENNY'S RIVER AT DENNY'SVILLE, ME--Continued

## WATER-QUALITY RECORDS

## PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2004 to current year.

pH: June 2004 to current year.

WATER TEMPERATURE: October 1958 to September 1972, June 2004 to current year.

INSTRUMENTATION.--In-situ monitor located 40 ft streamward from gage, and 1.5 ft above river bed.

REMARKS.--Records good. Monitor not operated during winter months.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 64 microsiemens/cm, Aug. 4, 2004; minimum, 21 microsiemens/cm, May 26, 27, 2005.

pH: Maximum, 7.3 standard units, Aug. 4, 10, and 12, 2004; minimum, 5.6 standard units, Aug. 15-16, 2004.

WATER TEMPERATURE: Maximum, 27.5° C, July 29, 1959, July 29, 30, 1970; minimum, 0.0° C, on many days during winter months.

## EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 46 microsiemens/cm, Sept. 5; minimum, 21 microsiemens/cm, May 26, 27.

pH: Maximum, 7.2 standard units, Aug. 9, 10; minimum, 5.6 standard units, May 27.

WATER TEMPERATURE: Maximum, 26.8° C, July 21; minimum, 4.1° C, Oct. 30.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX     | MIN | MEAN | MAX      | MIN | MEAN | MAX      | MIN | MEAN | MAX     | MIN | MEAN |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
|       | OCTOBER |     |      | NOVEMBER |     |      | DECEMBER |     |      | JANUARY |     |      |
| 1     | 41      | 40  | 40   | 41       | 40  | 41   | ---      | --- | ---  | ---     | --- | ---  |
| 2     | 41      | 41  | 41   | 40       | 40  | 40   | ---      | --- | ---  | ---     | --- | ---  |
| 3     | 41      | 41  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 4     | 41      | 41  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 5     | 42      | 40  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 6     | 42      | 41  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 7     | 42      | 41  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 8     | 42      | 41  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 9     | 42      | 41  | 42   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 10    | 42      | 41  | 42   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 11    | 43      | 42  | 42   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 12    | 42      | 40  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 13    | 40      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 14    | 40      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 15    | 40      | 39  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 16    | 41      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 17    | 41      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 18    | 40      | 39  | 39   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 19    | 39      | 38  | 39   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 20    | 40      | 39  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 21    | 41      | 40  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 22    | 41      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 23    | 40      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 24    | 40      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 25    | 40      | 40  | 40   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 26    | 41      | 40  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 27    | 41      | 40  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 28    | 42      | 41  | 41   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 29    | 42      | 41  | 42   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 30    | 42      | 42  | 42   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| 31    | 43      | 41  | 42   | ---      | --- | ---  | ---      | --- | ---  | ---     | --- | ---  |
| MONTH | 43      | 38  | 41   | 41       | 40  | 40   | ---      | --- | ---  | ---     | --- | ---  |

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY    | MAX      | MIN | MEAN | MAX   | MIN | MEAN | MAX    | MIN | MEAN | MAX       | MIN | MEAN |
|--------|----------|-----|------|-------|-----|------|--------|-----|------|-----------|-----|------|
|        | FEBRUARY |     |      | MARCH |     |      | APRIL  |     |      | MAY       |     |      |
| 1      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 2      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 3      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 4      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 5      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 6      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 7      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 8      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 9      | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 10     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 11     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 12     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 13     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | ---       | --- | ---  |
| 14     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 32        | 31  | 32   |
| 15     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 34        | 32  | 33   |
| 16     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 34        | 33  | 33   |
| 17     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 33        | 32  | 32   |
| 18     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 32        | 32  | 32   |
| 19     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 32        | 29  | 30   |
| 20     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 29        | 29  | 29   |
| 21     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 30        | 29  | 30   |
| 22     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 31        | 29  | 30   |
| 23     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 29        | 23  | 26   |
| 24     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 23        | 23  | 23   |
| 25     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 26        | 23  | 24   |
| 26     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 26        | 21  | 24   |
| 27     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 23        | 21  | 21   |
| 28     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 24        | 23  | 23   |
| 29     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 26        | 23  | 25   |
| 30     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 27        | 26  | 27   |
| 31     | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 29        | 27  | 28   |
| MONTH  | ---      | --- | ---  | ---   | --- | ---  | ---    | --- | ---  | 34        | 21  | 28   |
|        | JUNE     |     |      | JULY  |     |      | AUGUST |     |      | SEPTEMBER |     |      |
| 1      | 30       | 28  | 29   | 40    | 38  | 39   | 41     | 38  | 39   | 39        | 38  | 39   |
| 2      | 32       | 29  | 30   | 40    | 38  | 39   | 39     | 38  | 38   | 44        | 39  | 41   |
| 3      | 33       | 32  | 32   | 40    | 38  | 38   | 40     | 38  | 38   | 44        | 43  | 43   |
| 4      | 34       | 33  | 33   | 39    | 38  | 38   | 39     | 38  | 38   | 45        | 43  | 44   |
| 5      | 35       | 33  | 34   | 39    | 38  | 38   | 39     | 38  | 38   | 46        | 45  | 45   |
| 6      | 36       | 35  | 35   | 43    | 38  | 40   | 40     | 38  | 39   | 45        | 44  | 45   |
| 7      | 35       | 30  | 32   | 40    | 38  | 39   | 40     | 40  | 40   | 44        | 43  | 43   |
| 8      | ---      | --- | ---  | 39    | 38  | 39   | 40     | 39  | 39   | 43        | 42  | 42   |
| 9      | 29       | 27  | 28   | 39    | 38  | 39   | 40     | 39  | 39   | 42        | 41  | 41   |
| 10     | 29       | 28  | 29   | 39    | 38  | 38   | 40     | 39  | 39   | 41        | 40  | 40   |
| 11     | 30       | 29  | 30   | 39    | 37  | 38   | 40     | 39  | 39   | 40        | 39  | 40   |
| 12     | 31       | 30  | 31   | 39    | 37  | 38   | 40     | 39  | 39   | 40        | 39  | 39   |
| 13     | 34       | 31  | 32   | 39    | 38  | 38   | 41     | 39  | 39   | 40        | 38  | 39   |
| 14     | 34       | 32  | 32   | 39    | 38  | 39   | 40     | 39  | 40   | 39        | 39  | 39   |
| 15     | 33       | 32  | 33   | 42    | 38  | 39   | 39     | 39  | 39   | 39        | 38  | 39   |
| 16     | 33       | 32  | 33   | 41    | 39  | 40   | 40     | 39  | 39   | 38        | 38  | 38   |
| 17     | 33       | 31  | 32   | 41    | 39  | 40   | 40     | 39  | 39   | 39        | 38  | 38   |
| 18     | 31       | 30  | 31   | 43    | 39  | 40   | 39     | 39  | 39   | 38        | 37  | 38   |
| 19     | 30       | 29  | 30   | 40    | 39  | 39   | 44     | 39  | 39   | 38        | 38  | 38   |
| 20     | 31       | 30  | 30   | 40    | 39  | 40   | 40     | 39  | 39   | 39        | 38  | 39   |
| 21     | 36       | 30  | 32   | 40    | 39  | 39   | 42     | 39  | 40   | 41        | 39  | 40   |
| 22     | 36       | 31  | 34   | 40    | 39  | 39   | 40     | 39  | 39   | 41        | 40  | 41   |
| 23     | 36       | 34  | 35   | 41    | 39  | 39   | 40     | 39  | 40   | 42        | 41  | 41   |
| 24     | 35       | 34  | 35   | 41    | 39  | 39   | 40     | 39  | 39   | 42        | 41  | 41   |
| 25     | 36       | 35  | 35   | 40    | 38  | 39   | 39     | 39  | 39   | 42        | 41  | 41   |
| 26     | 37       | 36  | 37   | 41    | 38  | 39   | 39     | 39  | 39   | 42        | 41  | 41   |
| 27     | 38       | 37  | 37   | 41    | 38  | 39   | 39     | 39  | 39   | 42        | 40  | 41   |
| 28     | 38       | 38  | 38   | 41    | 38  | 39   | 39     | 39  | 39   | 40        | 39  | 39   |
| 29     | 39       | 38  | 38   | 41    | 39  | 40   | 39     | 39  | 39   | 39        | 38  | 39   |
| 30     | 39       | 38  | 38   | 41    | 39  | 40   | 39     | 36  | 38   | 39        | 38  | 38   |
| 31     | ---      | --- | ---  | 39    | 38  | 39   | 40     | 37  | 38   | ---       | --- | ---  |
| MONTH  | 39       | 27  | 33   | 43    | 37  | 39   | 44     | 36  | 39   | 46        | 37  | 40   |
| PERIOD | 46       | 21  | 37   |       |     |      |        |     |      |           |     |      |

## DENNY'S RIVER BASIN

01021200 DENNY'S RIVER AT DENNYVILLE, ME—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY      | MAX | MIN | MEAN     | MAX | MIN | MEAN     | MAX | MIN | MEAN    | MAX | MIN | MEAN |
|----------|-----|-----|----------|-----|-----|----------|-----|-----|---------|-----|-----|------|
| OCTOBER  |     |     | NOVEMBER |     |     | DECEMBER |     |     | JANUARY |     |     |      |
| 1        | 6.9 | 6.7 | 6.8      | 6.7 | 6.6 | 6.6      | --- | --- | ---     | --- | --- | ---  |
| 2        | 7.0 | 6.7 | 6.8      | 6.7 | 6.6 | 6.6      | --- | --- | ---     | --- | --- | ---  |
| 3        | 7.0 | 6.7 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 4        | 6.9 | 6.7 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 5        | 6.9 | 6.6 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 6        | 7.0 | 6.8 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 7        | 6.9 | 6.8 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 8        | 6.9 | 6.8 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 9        | 7.0 | 6.8 | 6.9      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 10       | 6.9 | 6.8 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 11       | 6.9 | 6.7 | 6.8      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 12       | 6.8 | 6.6 | 6.7      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 13       | 6.6 | 6.6 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 14       | 6.6 | 6.6 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 15       | 6.6 | 6.6 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 16       | 6.6 | 6.4 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 17       | 6.4 | 6.4 | 6.4      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 18       | 6.4 | 6.3 | 6.4      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 19       | 6.4 | 6.3 | 6.4      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 20       | 6.4 | 6.4 | 6.4      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 21       | 6.5 | 6.4 | 6.4      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 22       | 6.6 | 6.5 | 6.5      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 23       | 6.6 | 6.5 | 6.5      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 24       | 6.6 | 6.5 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 25       | 6.6 | 6.6 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 26       | 6.7 | 6.6 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 27       | 6.7 | 6.6 | 6.6      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 28       | 6.8 | 6.7 | 6.7      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 29       | 6.8 | 6.7 | 6.7      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 30       | 6.8 | 6.7 | 6.7      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 31       | 6.8 | 6.6 | 6.7      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| MONTH    | 7.0 | 6.3 | 6.7      | 6.7 | 6.6 | 6.6      | --- | --- | ---     | --- | --- | ---  |
| FEBRUARY |     |     | MARCH    |     |     | APRIL    |     |     | MAY     |     |     |      |
| 1        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 2        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 3        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 4        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 5        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 6        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 7        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 8        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 9        | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 10       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 11       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 12       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 13       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 14       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | --- | --- | ---  |
| 15       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.8 | 6.6 | 6.7  |
| 16       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.7 | 6.6 | 6.7  |
| 17       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.7 | 6.6 | 6.7  |
| 18       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.7 | 6.6 | 6.7  |
| 19       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.6 | 6.6 | 6.6  |
| 20       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.6 | 6.5 | 6.6  |
| 21       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.7 | 6.6 | 6.6  |
| 22       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.6 | 6.6 | 6.6  |
| 23       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.6 | 6.1 | 6.3  |
| 24       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.1 | 6.0 | 6.0  |
| 25       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.2 | 6.0 | 6.1  |
| 26       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.2 | 5.7 | 6.1  |
| 27       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 5.7 | 5.6 | 5.7  |
| 28       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 5.8 | 5.7 | 5.8  |
| 29       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.0 | 5.8 | 5.9  |
| 30       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.2 | 6.0 | 6.1  |
| 31       | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.3 | 6.1 | 6.2  |
| MONTH    | --- | --- | ---      | --- | --- | ---      | --- | --- | ---     | 6.8 | 5.6 | 6.3  |



## DENNY'S RIVER BASIN

01021200 DENNY'S RIVER AT DENNYVILLE, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

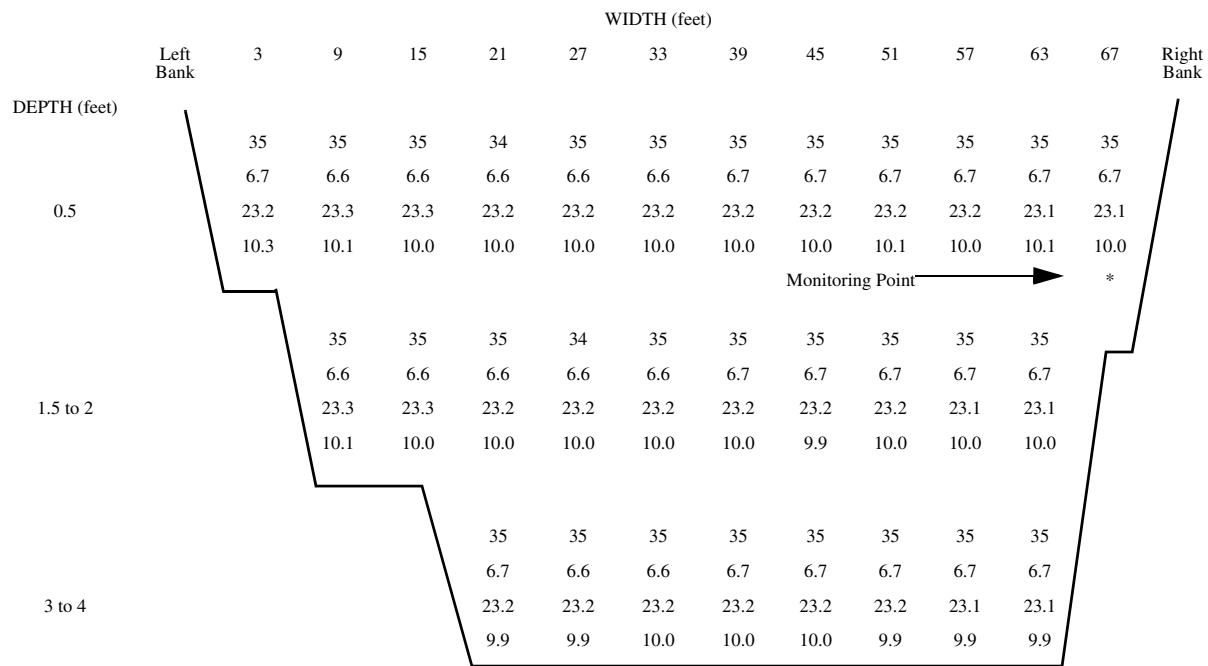
| DAY      | MAX  | MIN  | MEAN     | MAX | MIN | MEAN     | MAX | MIN | MEAN    | MAX  | MIN  | MEAN |
|----------|------|------|----------|-----|-----|----------|-----|-----|---------|------|------|------|
| OCTOBER  |      |      | NOVEMBER |     |     | DECEMBER |     |     | JANUARY |      |      |      |
| 1        | 14.9 | 12.8 | 13.8     | 7.9 | 7.0 | 7.5      | --- | --- | ---     | ---  | ---  | ---  |
| 2        | 15.1 | 12.5 | 13.6     | 7.4 | 6.8 | 7.1      | --- | --- | ---     | ---  | ---  | ---  |
| 3        | 14.7 | 12.8 | 13.8     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 4        | 13.8 | 12.7 | 13.3     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 5        | 13.8 | 12.0 | 12.9     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 6        | 12.1 | 10.3 | 11.2     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 7        | 12.6 | 9.8  | 11.1     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 8        | 13.3 | 9.9  | 11.5     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 9        | 14.2 | 11.1 | 12.6     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 10       | 14.2 | 12.3 | 13.3     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 11       | 13.5 | 12.4 | 12.9     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 12       | 12.4 | 10.7 | 11.4     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 13       | 11.7 | 10.5 | 10.9     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 14       | 11.4 | 10.2 | 10.6     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 15       | 10.8 | 10.1 | 10.5     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 16       | 12.7 | 10.7 | 11.8     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 17       | 12.5 | 11.5 | 11.9     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 18       | 11.5 | 10.1 | 10.7     | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 19       | 10.1 | 8.9  | 9.4      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 20       | 9.0  | 7.8  | 8.5      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 21       | 8.0  | 7.4  | 7.7      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 22       | 8.8  | 7.6  | 8.2      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 23       | 8.8  | 8.2  | 8.5      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 24       | 8.5  | 8.2  | 8.3      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 25       | 8.6  | 8.0  | 8.3      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 26       | 9.0  | 8.2  | 8.5      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 27       | 9.1  | 7.5  | 8.2      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 28       | 8.3  | 6.7  | 7.4      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 29       | 6.9  | 5.3  | 6.1      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 30       | 6.4  | 4.1  | 5.1      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 31       | 7.5  | 5.8  | 6.6      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| MONTH    | 15.1 | 4.1  | 10.3     | 7.9 | 6.8 | 7.3      | --- | --- | ---     | ---  | ---  | ---  |
| FEBRUARY |      |      | MARCH    |     |     | APRIL    |     |     | MAY     |      |      |      |
| 1        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 2        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 3        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 4        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 5        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 6        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 7        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 8        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 9        | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 10       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 11       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 12       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 13       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 14       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | ---     | ---  | ---  | ---  |
| 15       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 11.2    | 9.7  | 10.6 | ---  |
| 16       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 11.0    | 9.8  | 10.5 | ---  |
| 17       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.0    | 9.2  | 9.7  | ---  |
| 18       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.0    | 9.0  | 9.5  | ---  |
| 19       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.8    | 9.5  | 10.2 | ---  |
| 20       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.6    | 9.9  | 10.3 | ---  |
| 21       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 11.0    | 9.9  | 10.5 | ---  |
| 22       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.9    | 10.4 | 10.7 | ---  |
| 23       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.4    | 9.4  | 9.9  | ---  |
| 24       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 9.4     | 8.7  | 9.0  | ---  |
| 25       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 9.3     | 8.3  | 8.8  | ---  |
| 26       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 9.9     | 9.0  | 9.5  | ---  |
| 27       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 9.8     | 8.8  | 9.5  | ---  |
| 28       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 9.9     | 8.8  | 9.3  | ---  |
| 29       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 10.6    | 9.9  | 10.2 | ---  |
| 30       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 11.6    | 10.6 | 11.1 | ---  |
| 31       | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 12.0    | 11.4 | 11.6 | ---  |
| MONTH    | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 12.8    | 11.6 | 12.1 | ---  |
| MONTH    | ---  | ---  | ---      | --- | --- | ---      | --- | --- | 12.8    | 8.3  | 10.2 | ---  |



## DENNY'S RIVER BASIN

## 01021200 DENNY'S RIVER AT DENNYVILLE, ME—Continued

Cross section was performed on Aug. 16, 2005, from 4:52pm to 5:07pm, with field parameters displayed in the following order:  
 SPECIFIC CONDUCTANCE (microsiemens/cm)  
 pH (standard units)  
 WATER TEMPERATURE: (degrees Celsius)  
 DISSOLVED OXYGEN: (mg/L)



|         | Cross Section Values |      |      | Recorded Hourly Values |       |       | Recorded Daily Values |      |      |
|---------|----------------------|------|------|------------------------|-------|-------|-----------------------|------|------|
|         | Max                  | Min  | Mean | 16:00                  | 17:00 | 18:00 | Max                   | Min  | Mean |
| Sp Cond | 35                   | 34   | 35   | 39                     | 39    | 39    | 40                    | 39   | 39   |
| pH      | 6.7                  | 6.6  | 6.7  | 7.0                    | 7.0   | 7.0   | 7.0                   | 6.7  | 6.8  |
| WT      | 23.3                 | 23.1 | 23.2 | 22.8                   | 23.1  | 23.2  | 23.2                  | 21.1 | 21.9 |
| DO      | 10.1                 | 9.9  | 10.0 |                        |       |       |                       |      |      |



Cableway measurement  
Little Androscoggin River near South Paris, Maine (01057000)  
April 2005

## 01021230 CATHANCE STREAM AT EDMUNDS, ME

LOCATION.--Lat 44° 53'12", long 67° 16'03", Washington County, Hydrologic Unit 01050002, upstream of bridge on Dodge Road, 400 ft downstream of outflow to Great Works pond, and 2.0 miles upstream from the confluence with Denny's River in Edmunds, Maine.

DRAINAGE AREA.--32.7 mi<sup>2</sup>.

PERIOD OF RECORD.--May 2004 to current year.

GAGE.--Water-stage recorder. Datum of gage is 75 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Dec. 15-23, 2004, Dec. 27, 2004 to Mar. 15, 22, 2005, and period of no gage-height record, May 20, 2004, Dec. 11, 2004 to Feb. 16, 2005, July 17-26, 2005, which are fair. Satellite telemeter at station. Records from water year 2004 have not been previously published and are given below.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 270 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Dec 2  | 2000 | 297                               | 7.42                | Apr 29 | 1545 | 458                               | 8.76                |
| Mar 30 | 0515 | *696                              | *10.54              | May 9  | 0300 | 304                               | 7.48                |
| Apr 4  | 2315 | 539                               | 9.39                | May 27 | 1745 | 605                               | 9.88                |

Minimum discharge, 0.71 ft<sup>3</sup>/s, Aug. 3, gage height, 3.97 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 20    | 26    | 210   | e87   | e43   | e48   | 464   | 407   | 279   | 39    | 7.9   | 32    |
| 2     | 19    | 28    | 277   | e90   | e42   | e51   | 398   | 427   | 233   | 36    | 13    | 39    |
| 3     | 17    | 33    | 277   | e85   | e40   | e49   | 368   | 358   | 195   | 32    | 5.5   | 30    |
| 4     | 16    | 38    | 236   | e80   | e38   | e47   | 499   | 296   | 165   | 27    | 8.2   | 21    |
| 5     | 14    | 49    | 201   | e73   | e37   | e45   | 523   | 248   | 142   | 22    | 8.0   | 15    |
| 6     | 13    | 57    | 177   | e68   | e37   | e44   | 458   | 209   | 126   | 18    | 7.5   | 12    |
| 7     | 12    | 53    | 144   | e62   | e36   | e43   | 387   | 191   | 140   | 16    | 7.2   | 10    |
| 8     | 11    | 54    | 140   | e59   | e34   | e53   | 344   | 268   | 148   | 14    | 7.0   | 9.1   |
| 9     | 10    | 58    | 129   | e56   | e33   | e136  | 307   | 291   | 138   | 14    | 6.8   | 8.5   |
| 10    | 9.5   | 54    | 117   | e54   | e34   | e184  | 272   | 253   | 122   | 16    | 6.4   | 7.5   |
| 11    | 9.1   | 49    | e126  | e51   | e45   | e194  | 237   | 215   | 107   | 19    | 6.2   | 7.1   |
| 12    | 23    | 42    | e130  | e48   | e49   | e185  | 215   | 180   | 96    | 20    | 5.8   | 6.7   |
| 13    | 32    | 42    | e123  | e47   | e45   | e170  | 195   | 158   | 87    | 20    | 5.7   | 6.5   |
| 14    | 31    | 41    | e114  | e106  | e40   | e153  | 173   | 137   | 86    | 20    | 5.7   | 6.2   |
| 15    | 26    | 40    | e104  | e122  | e56   | 139   | 156   | 119   | 83    | 20    | 5.9   | 7.0   |
| 16    | 34    | 38    | e93   | e114  | e75   | 131   | 140   | 117   | 81    | 19    | 5.7   | 7.4   |
| 17    | 43    | 34    | e85   | e103  | e90   | 124   | 125   | 114   | 80    | e17   | 5.4   | 14    |
| 18    | 43    | 33    | e77   | e92   | e94   | 117   | 112   | 109   | 85    | e14   | 4.7   | 28    |
| 19    | 38    | 33    | e75   | e81   | e92   | 111   | 106   | 111   | 88    | e13   | 4.6   | 31    |
| 20    | 34    | 34    | e69   | e81   | e83   | 108   | 94    | 104   | 80    | e12   | 4.6   | 27    |
| 21    | 30    | 34    | e65   | e80   | e74   | 106   | 104   | 95    | 70    | e11   | 4.7   | 24    |
| 22    | 27    | 34    | e62   | e74   | e68   | e105  | 108   | 98    | 62    | e10   | 4.7   | 20    |
| 23    | 25    | 33    | e59   | e68   | e64   | 104   | 96    | 147   | 58    | e9.7  | 4.5   | 15    |
| 24    | 23    | 32    | e181  | e63   | e60   | 102   | 94    | 208   | 52    | e9.3  | 4.5   | 12    |
| 25    | 21    | 74    | e159  | e61   | e56   | 99    | 154   | 214   | 46    | e11   | 4.6   | 10    |
| 26    | 20    | 138   | e137  | e57   | e53   | 97    | 220   | 269   | 40    | e10   | 4.5   | 9.4   |
| 27    | 18    | 146   | e119  | e55   | e49   | 96    | 204   | 565   | 36    | 9.4   | 4.3   | 11    |
| 28    | 17    | 126   | e108  | e52   | e46   | 101   | 233   | 545   | 33    | 8.8   | 4.2   | 11    |
| 29    | 16    | 161   | e103  | e48   | ---   | 400   | 427   | 474   | 33    | 8.6   | 4.4   | 11    |
| 30    | 15    | 210   | e92   | e46   | ---   | 665   | 388   | 398   | 40    | 7.9   | 9.2   | 12    |
| 31    | 21    | ---   | e85   | e44   | ---   | 551   | ---   | 335   | ---   | 7.5   | 15    | ---   |
| TOTAL | 687.6 | 1,824 | 4,074 | 2,207 | 1,513 | 4,558 | 7,601 | 7,660 | 3,031 | 511.2 | 196.4 | 460.4 |
| MEAN  | 22.2  | 60.8  | 131   | 71.2  | 54.0  | 147   | 253   | 247   | 101   | 16.5  | 6.34  | 15.3  |
| MAX   | 43    | 210   | 277   | 122   | 94    | 665   | 523   | 565   | 279   | 39    | 15    | 39    |
| MIN   | 9.1   | 26    | 59    | 44    | 33    | 43    | 94    | 95    | 33    | 7.5   | 4.2   | 6.2   |
| CFSM  | 0.68  | 1.86  | 4.02  | 2.18  | 1.65  | 4.50  | 7.75  | 7.56  | 3.09  | 0.50  | 0.19  | 0.47  |
| IN.   | 0.78  | 2.08  | 4.63  | 2.51  | 1.72  | 5.19  | 8.65  | 8.71  | 3.45  | 0.58  | 0.22  | 0.52  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

| MEAN | 22.2   | 60.8   | 131    | 71.2   | 54.0   | 147    | 253    | 247    | 66.8   | 19.5   | 33.6   | 30.3   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 22.2   | 60.8   | 131    | 71.2   | 54.0   | 147    | 253    | 247    | 101    | 22.5   | 60.8   | 45.2   |
| (WY) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2004) | (2004) |
| MIN  | 22.2   | 60.8   | 131    | 71.2   | 54.0   | 147    | 253    | 247    | 32.7   | 16.5   | 6.34   | 15.3   |
| (WY) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2005) | (2005) | (2005) |

e Estimated

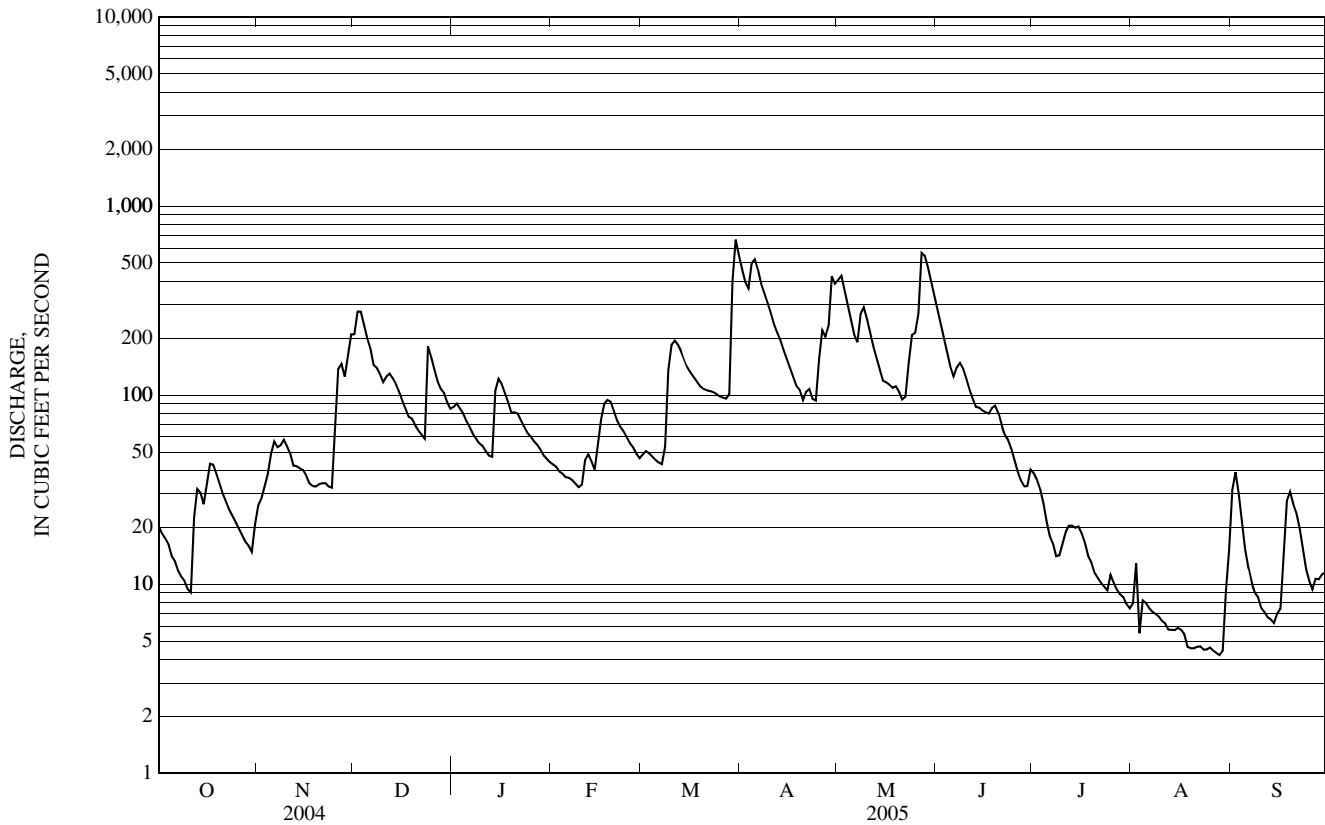
## 01021230 CATHANCE STREAM AT EDMUNDS, ME—Continued

## SUMMARY STATISTICS

## FOR 2005 WATER YEAR

## WATER YEARS 2004 - 2005

|                          |              |                    |
|--------------------------|--------------|--------------------|
| ANNUAL TOTAL             | 34,323.6     |                    |
| ANNUAL MEAN              | 94.0         | 94.0               |
| HIGHEST ANNUAL MEAN      |              | 94.0 2005          |
| LOWEST ANNUAL MEAN       |              | 94.0 2005          |
| HIGHEST DAILY MEAN       | 665 Mar 30   | 665 Mar 30, 2005   |
| LOWEST DAILY MEAN        | 4.2 Aug 28   | 4.2 Aug 28, 2005   |
| ANNUAL SEVEN-DAY MINIMUM | 4.4 Aug 23   | 4.4 Aug 23, 2005   |
| MAXIMUM PEAK FLOW        | 696 Mar 30   | 696 Mar 30, 2005   |
| MAXIMUM PEAK STAGE       | 10.54 Mar 30 | 10.54 Mar 30, 2005 |
| ANNUAL RUNOFF (CFSM)     | 2.88         | 2.88               |
| ANNUAL RUNOFF (INCHES)   | 39.05        | 39.07              |
| 10 PERCENT EXCEEDS       | 225          | 225                |
| 50 PERCENT EXCEEDS       | 54           | 54                 |
| 90 PERCENT EXCEEDS       | 8.1          | 8.1                |



## 01021452 MOPANG STREAM NEAR BEDDINGTON, ME

LOCATION.--Lat 44° 52'16", long 67° 56'29", Washington County, Hydrologic Unit 01050002, on left bank, at downstream side of State Route 9 highway bridge, 6 miles east of Beddington.

DRAINAGE AREA.--18.8 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 310 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for flows below 2.0 ft<sup>3</sup>/s, and periods of ice effect, Dec. 7-10, Dec. 15 to Mar. 16, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 259 ft<sup>3</sup>/s, Apr. 4, 2005, gage height, 4.11 ft; maximum gage height 5.07 ft, Mar. 10, 2005 (backwater from ice); minimum discharge 0.71 ft<sup>3</sup>/s, Oct. 4-6 and 12, 2001, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Mar 10 | ---  | 157 <sup>a</sup>                  | ---                 | Apr 25 | 1915 | 212                               | 3.79                |
| Mar 10 | 0545 | Ice Jam                           | *5.07               | Apr 29 | 0615 | 232                               | 3.93                |
| Mar 30 | 0215 | 215                               | 3.81                | May 8  | 1930 | 173                               | 3.51                |
| Apr 4  | 0700 | *259                              | 4.11                | May 27 | 0615 | 238                               | 3.97                |

Minimum discharge, 3.0 ft<sup>3</sup>/s, Aug. 28-29, gage height, 1.72 ft.

<sup>a</sup> Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV  | DEC   | JAN   | FEB  | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 9.1   | 14   | 70    | e48   | e25  | e31   | 169   | 199   | 137   | 32    | 10    | 12    |
| 2     | 8.9   | 13   | 105   | e45   | e24  | e33   | 154   | 189   | 123   | 31    | 14    | 9.3   |
| 3     | 9.2   | 17   | 88    | e43   | e24  | e28   | 185   | 169   | 112   | 29    | 14    | 7.4   |
| 4     | 8.7   | 16   | 73    | e42   | e25  | e26   | 251   | 152   | 101   | 27    | 12    | 5.9   |
| 5     | 8.5   | 24   | 66    | e40   | e25  | e23   | 224   | 137   | 91    | 24    | 11    | 5.3   |
| 6     | 8.0   | 26   | 62    | e38   | e24  | e22   | 205   | 124   | 84    | 23    | 10    | 4.9   |
| 7     | 7.7   | 24   | e56   | e37   | e23  | e21   | 195   | 122   | 88    | 22    | 9.1   | 4.5   |
| 8     | 7.4   | 24   | e56   | e35   | e23  | e39   | 188   | 163   | 85    | 21    | 8.5   | 4.6   |
| 9     | 7.2   | 21   | e53   | e34   | e23  | e150  | 178   | 161   | 77    | 21    | 8.1   | 5.4   |
| 10    | 7.1   | 19   | e50   | e33   | e23  | e157  | 165   | 143   | 71    | 21    | 7.7   | 4.8   |
| 11    | 7.1   | 18   | 58    | e33   | e29  | e148  | 154   | 124   | 67    | 20    | 7.2   | 4.5   |
| 12    | 12    | 17   | 59    | e32   | e28  | e133  | 142   | 113   | 63    | 19    | 6.7   | 4.4   |
| 13    | 12    | 17   | 58    | e31   | e27  | e118  | 134   | 101   | 61    | 19    | 6.6   | 4.5   |
| 14    | 11    | 17   | 56    | e51   | e25  | e102  | 124   | 90    | 58    | 18    | 6.5   | 4.8   |
| 15    | 10    | 17   | e51   | e56   | e36  | e90   | 115   | 86    | 61    | 18    | 7.4   | 6.5   |
| 16    | 24    | 17   | e47   | e52   | e47  | e80   | 107   | 93    | 62    | 14    | 6.9   | 7.9   |
| 17    | 32    | 16   | e43   | e49   | e59  | 74    | 100   | 91    | 63    | 11    | 6.5   | 11    |
| 18    | 26    | 16   | e40   | e45   | e56  | 70    | 94    | 85    | 67    | 11    | 5.9   | 15    |
| 19    | 19    | 16   | e39   | e41   | e48  | 67    | 82    | 85    | 64    | 11    | 5.4   | 12    |
| 20    | 16    | 16   | e36   | e45   | e41  | 66    | 81    | 83    | 59    | 12    | 5.1   | 9.9   |
| 21    | 14    | 16   | e35   | e44   | e36  | 65    | 92    | 77    | 55    | 12    | 5.2   | 9.8   |
| 22    | 12    | 16   | e34   | e41   | e37  | 65    | 87    | 78    | 53    | 11    | 5.3   | 8.9   |
| 23    | 11    | 16   | e35   | e39   | e36  | 65    | 80    | 99    | 50    | 11    | 5.0   | 8.4   |
| 24    | 11    | 15   | e74   | e37   | e34  | 64    | 86    | 120   | 47    | 10    | 4.5   | 7.9   |
| 25    | 10    | 32   | e67   | e35   | e33  | 62    | 176   | 110   | 44    | 9.4   | 5.5   | 7.6   |
| 26    | 10    | 50   | e61   | e33   | e31  | 61    | 187   | 142   | 41    | 9.9   | 4.5   | 8.0   |
| 27    | 9.8   | 48   | e56   | e31   | e30  | 61    | 153   | 228   | 38    | 9.8   | 3.8   | 10    |
| 28    | 9.6   | 41   | e54   | e29   | e28  | 66    | 181   | 196   | 35    | 12    | 3.3   | 10    |
| 29    | 9.3   | 69   | e50   | e28   | ---  | 172   | 225   | 172   | 34    | 12    | 3.8   | 11    |
| 30    | 9.3   | 70   | e48   | e27   | ---  | 208   | 202   | 159   | 33    | 10    | 9.5   | 14    |
| 31    | 13    | ---  | e46   | e26   | ---  | 188   | ---   | 151   | ---   | 9.5   | 11    | ---   |
| TOTAL | 369.9 | 738  | 1,726 | 1,200 | 900  | 2,555 | 4,516 | 4,042 | 2,024 | 520.6 | 230.0 | 240.2 |
| MEAN  | 11.9  | 24.6 | 55.7  | 38.7  | 32.1 | 82.4  | 151   | 130   | 67.5  | 16.8  | 7.42  | 8.01  |
| MAX   | 32    | 70   | 105   | 56    | 59   | 208   | 251   | 228   | 137   | 32    | 14    | 15    |
| MIN   | 7.1   | 13   | 34    | 26    | 23   | 21    | 80    | 77    | 33    | 9.4   | 3.3   | 4.4   |
| CFSM  | 0.63  | 1.31 | 2.96  | 2.06  | 1.71 | 4.38  | 8.01  | 6.94  | 3.59  | 0.89  | 0.39  | 0.43  |
| IN.   | 0.73  | 1.46 | 3.42  | 2.37  | 1.78 | 5.06  | 8.94  | 8.00  | 4.00  | 1.03  | 0.46  | 0.48  |

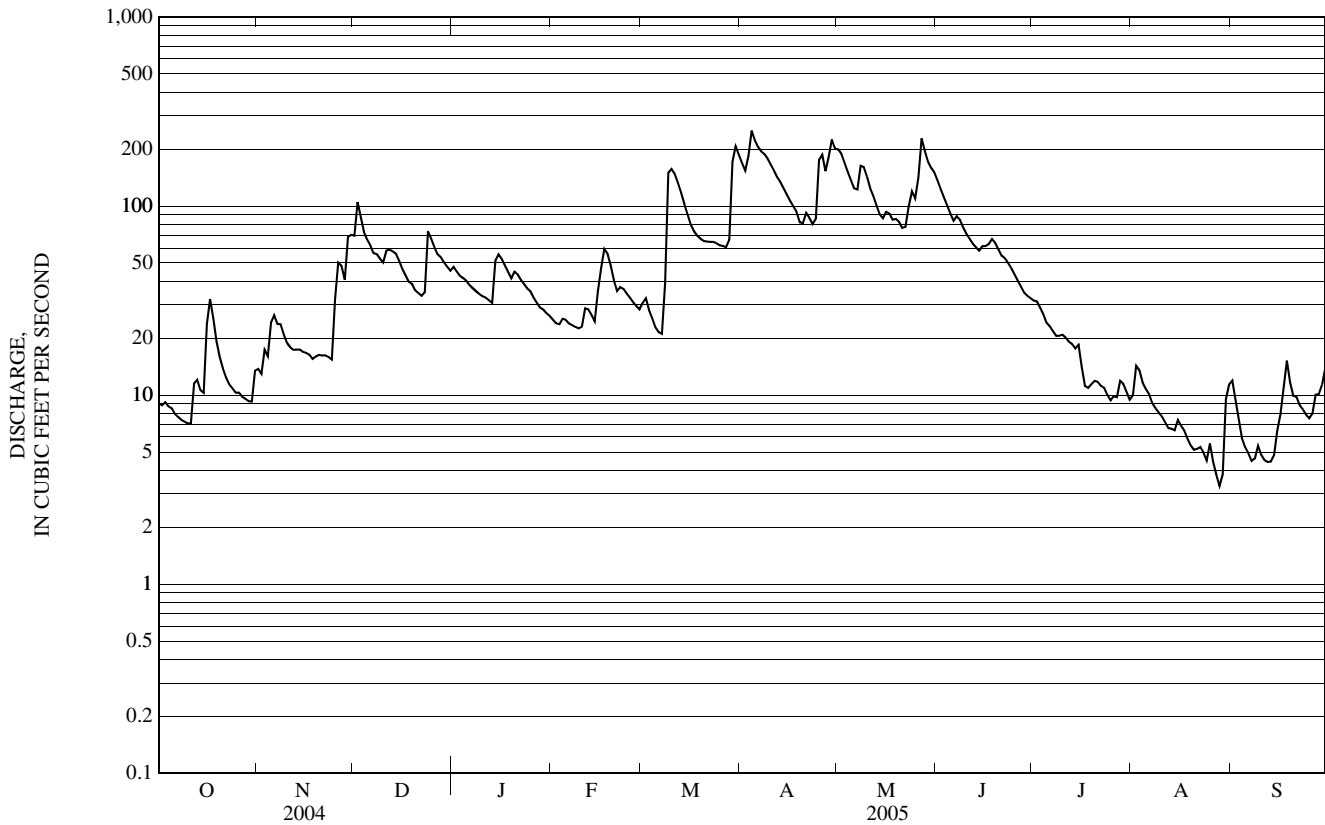
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

|      | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 12.3   | 32.2   | 55.6   | 30.8   | 26.1   | 58.0   | 103    | 69.9   | 38.1   | 15.1   | 12.1   | 8.22   |
| MAX  | 32.6   | 78.5   | 103    | 50.5   | 32.1   | 82.4   | 151    | 130    | 67.5   | 19.6   | 30.3   | 20.4   |
| (WY) | (2004) | (2004) | (2004) | (2004) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2004) | (2004) |
| MIN  | 1.37   | 2.69   | 6.88   | 8.29   | 19.0   | 21.1   | 60.1   | 40.6   | 21.8   | 11.7   | 2.91   | 1.81   |
| (WY) | (2002) | (2002) | (2002) | (2002) | (2004) | (2004) | (2004) | (2004) | (2002) | (2003) | (2002) | (2002) |

e Estimated

## 01021452 MOPANG STREAM NEAR BEDDINGTON, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2001 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 11,501.2               |        | 19,061.7            |        | 38.5                    |              |
| ANNUAL MEAN              | 31.4                   |        | 52.2                |        | 52.2                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 26.7                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 251                     |              |
| HIGHEST DAILY MEAN       | 105                    | Dec 2  | 251                 | Apr 4  | 251                     | Apr 4, 2005  |
| LOWEST DAILY MEAN        | 7.1                    | Oct 10 | 3.3                 | Aug 28 | 0.74                    | Oct 5, 2001  |
| ANNUAL SEVEN-DAY MINIMUM | 7.6                    | Oct 5  | 4.3                 | Aug 23 | 0.84                    | Oct 4, 2001  |
| MAXIMUM PEAK FLOW        |                        |        | 259                 | Apr 4  | 259                     | Apr 4, 2005  |
| MAXIMUM PEAK STAGE       |                        |        | 5.07                | Mar 10 | 5.07                    | Mar 10, 2005 |
| INSTANTANEOUS LOW FLOW   |                        |        | 3.0                 | Aug 28 | 0.71                    | Oct 4, 2001  |
| ANNUAL RUNOFF (CFSM)     | 1.67                   |        | 2.78                |        | 2.05                    |              |
| ANNUAL RUNOFF (INCHES)   | 22.76                  |        | 37.72               |        | 27.83                   |              |
| 10 PERCENT EXCEEDS       | 60                     |        | 142                 |        | 93                      |              |
| 50 PERCENT EXCEEDS       | 25                     |        | 33                  |        | 24                      |              |
| 90 PERCENT EXCEEDS       | 12                     |        | 7.5                 |        | 2.7                     |              |



## 01021470 LIBBY BROOK NEAR NORTHFIELD, ME

LOCATION.--Lat 44° 48'03", long 67° 43'30", Washington County, Hydrologic Unit 01050002, on left bank, 0.9 mi southwest of the confluence with Machias River.

DRAINAGE AREA.--7.79 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: July 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 133.16 ft above North American Vertical Datum of 1988.

REMARKS.--Records fair, including periods of ice effect, Dec. 7, 15-16, 18, 21-22, Dec. 26 to Mar. 2, Mar. 8-11, 13, period of doubtful stage-discharge relation, Oct. 1 to Sept. 30, and periods of no gage-height record, Dec. 27-31, Jan. 17 to Feb. 3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228 ft<sup>3</sup>/s, Mar. 29, 2005, gage height, 4.40 ft; maximum gage height, 5.68 ft, Mar. 4, 2003 and Mar. 10, 2005 (backwater from ice); minimum discharge, 2.2 ft<sup>3</sup>/s, July 26, 2002, gage height, 1.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Mar 10 | 1045 | Ice Jam                           | *5.68               | Apr 4  | 1000 | 157                               | 4.07                |
| Mar 29 | 2345 | *228                              | 4.40                | May 27 | 0645 | 201                               | 4.29                |

Minimum discharge, 4.8 ft<sup>3</sup>/s, Aug. 4, gage height, 1.67 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR     | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|
| 1     | e6.4  | 13    | 36    | e13   | e6.7  | e8.4    | 68    | 52    | 22    | 9.1   | 7.9   | 12    |
| 2     | e6.3  | 11    | 50    | e12   | e6.4  | e8.8    | 45    | 45    | 20    | 9.5   | 9.1   | 10    |
| 3     | e6.7  | 16    | 39    | e13   | e6.3  | 8.4     | 64    | 31    | 18    | 8.5   | 7.3   | 8.3   |
| 4     | e6.3  | 15    | 28    | e12   | e6.3  | 8.3     | 130   | 25    | 16    | 8.4   | 5.6   | 7.5   |
| 5     | e6.4  | 23    | 22    | e12   | e6.2  | 8.0     | 71    | 21    | 14    | 8.8   | 5.5   | 7.2   |
| 6     | e6.3  | 24    | 17    | e11   | e6.1  | 7.7     | 42    | 18    | 14    | 8.4   | 5.7   | 7.2   |
| 7     | 6.3   | 19    | e14   | e10   | e6.1  | 7.7     | 34    | 22    | 20    | 7.9   | 5.9   | 7.2   |
| 8     | 6.6   | 19    | 14    | e9.9  | e6.1  | e12     | 31    | 43    | 17    | 7.9   | 6.2   | 7.1   |
| 9     | 6.6   | 15    | 12    | e9.4  | e6.0  | e57     | 28    | 39    | 15    | 8.9   | 6.1   | 6.7   |
| 10    | 6.7   | 12    | 11    | e8.9  | e6.4  | e55     | 25    | 28    | 14    | 9.6   | 5.9   | 6.4   |
| 11    | 6.7   | 12    | 18    | e8.7  | e7.0  | e48     | 23    | 22    | 12    | 8.7   | 5.6   | 6.5   |
| 12    | 11    | 11    | 20    | e8.5  | e6.6  | 41      | 21    | 20    | 11    | 7.7   | 5.6   | 6.6   |
| 13    | 11    | 10    | 20    | e8.6  | e6.2  | e34     | 20    | 16    | 11    | 7.3   | 6.1   | 6.5   |
| 14    | 9.3   | 9.9   | 19    | e20   | e6.3  | 28      | 18    | 14    | 10    | 7.3   | 6.3   | 6.8   |
| 15    | 8.6   | 9.4   | e16   | e24   | e12   | 24      | 16    | 15    | 16    | 7.8   | 7.5   | 9.4   |
| 16    | 21    | 8.9   | e12   | e20   | e22   | 21      | 15    | 20    | 16    | 6.8   | 8.0   | 12    |
| 17    | 23    | 8.4   | 11    | e17   | e27   | 18      | 13    | 19    | 20    | 7.1   | 7.6   | 13    |
| 18    | 18    | 8.2   | e10   | e15   | e24   | 17      | 13    | 18    | 23    | 7.4   | 6.7   | 14    |
| 19    | 14    | 8.7   | 9.6   | e14   | e22   | 16      | 12    | 20    | 21    | 6.7   | 6.4   | 11    |
| 20    | 12    | 9.2   | 9.3   | e16   | e19   | 17      | 12    | 19    | 17    | 6.0   | 6.7   | 9.3   |
| 21    | 11    | 8.7   | e8.8  | e13   | e17   | 18      | 20    | 18    | 14    | 5.6   | 7.4   | 9.3   |
| 22    | 9.5   | 8.6   | e8.5  | e12   | e14   | 20      | 18    | 19    | 12    | 6.0   | 7.6   | 8.0   |
| 23    | 8.8   | 8.5   | 9.2   | e11   | e12   | 22      | 16    | 28    | 11    | 6.2   | 7.1   | 7.8   |
| 24    | 8.6   | 8.1   | 23    | e11   | e11   | 22      | 18    | 32    | 10    | 6.4   | 7.0   | 7.6   |
| 25    | 8.5   | 27    | 20    | e9.9  | e10   | 21      | 51    | 28    | 9.7   | 7.4   | 7.4   | 7.3   |
| 26    | 8.4   | 39    | e18   | e9.2  | e9.3  | 21      | 51    | 62    | 9.0   | 7.6   | 6.8   | 7.4   |
| 27    | 7.9   | 32    | e15   | e8.6  | e8.9  | 20      | 31    | 160   | 9.0   | 7.2   | 6.8   | 11    |
| 28    | 7.6   | 24    | e15   | e8.1  | e8.5  | 23      | 42    | 86    | 8.3   | 7.9   | 6.9   | 8.9   |
| 29    | 7.4   | 44    | e14   | e7.7  | ---   | 114     | 70    | 42    | 8.3   | 7.2   | 7.8   | 8.3   |
| 30    | 7.1   | 41    | e12   | e7.3  | ---   | 170     | 44    | 31    | 8.7   | 7.1   | 13    | 10    |
| 31    | 14    | ---   | e12   | e7.0  | ---   | 106     | ---   | 26    | ---   | 7.1   | 12    | ---   |
| TOTAL | 298.0 | 503.6 | 543.4 | 367.8 | 305.4 | 1,002.3 | 1,062 | 1,039 | 427.0 | 235.5 | 221.5 | 260.3 |
| MEAN  | 9.61  | 16.8  | 17.5  | 11.9  | 10.9  | 32.3    | 35.4  | 33.5  | 14.2  | 7.60  | 7.15  | 8.68  |
| MAX   | 23    | 44    | 50    | 24    | 27    | 170     | 130   | 160   | 23    | 9.6   | 13    | 14    |
| MIN   | 6.3   | 8.1   | 8.5   | 7.0   | 6.0   | 7.7     | 12    | 14    | 8.3   | 5.6   | 5.5   | 6.4   |
| CFSM  | 1.23  | 2.15  | 2.25  | 1.52  | 1.40  | 4.15    | 4.54  | 4.30  | 1.83  | 0.98  | 0.92  | 1.11  |
| IN.   | 1.42  | 2.40  | 2.59  | 1.76  | 1.46  | 4.79    | 5.07  | 4.96  | 2.04  | 1.12  | 1.06  | 1.24  |

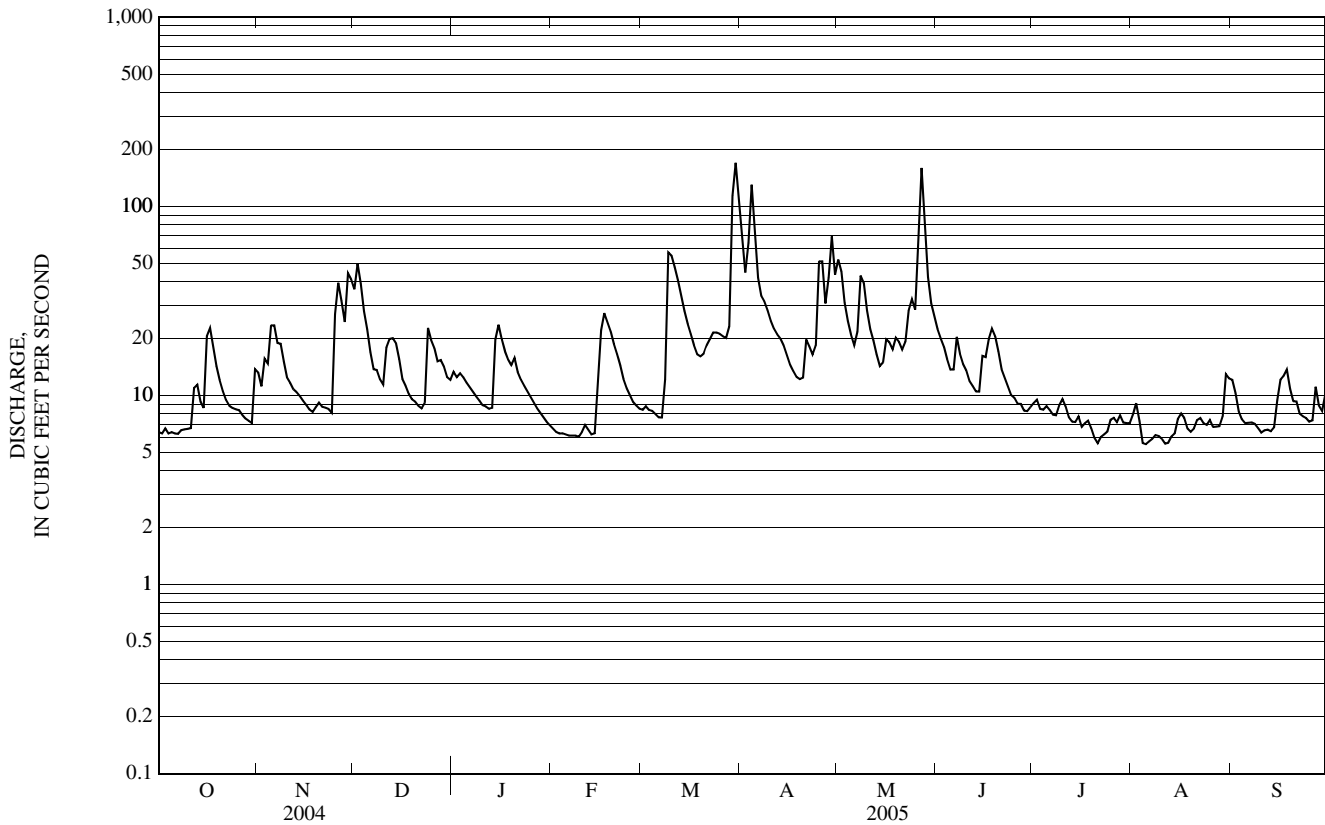
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 8.87   | 14.1   | 16.3   | 7.93   | 9.83   | 22.2   | 26.5   | 17.3   | 10.7   | 5.78   | 7.01   | 6.21   |
| MAX  | 15.6   | 20.6   | 26.1   | 11.9   | 15.8   | 32.3   | 35.4   | 33.5   | 14.2   | 7.60   | 17.3   | 8.68   |
| (WY) | (2004) | (2004) | (2004) | (2005) | (2002) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2005) |
| MIN  | 4.39   | 4.50   | 5.55   | 4.98   | 6.60   | 8.71   | 18.7   | 8.64   | 8.20   | 4.43   | 3.77   | 4.23   |
| (WY) | (2002) | (2002) | (2002) | (2002) | (2004) | (2001) | (2004) | (2001) | (2001) | (2001) | (2002) | (2001) |

e Estimated

## 01021470 LIBBY BROOK NEAR NORTHFIELD, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2000 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 4,487.7                |        | 6,265.8             |        | 12.8                    |              |
| ANNUAL MEAN              | 12.3                   |        | 17.2                |        | 17.2                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 9.16                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 2001                    |              |
| HIGHEST DAILY MEAN       | 77                     | Aug 14 | 170                 | Mar 30 | 170                     | Mar 30, 2005 |
| LOWEST DAILY MEAN        | 3.2                    | Aug 5  | 5.5                 | Aug 5  | 2.7                     | Jul 26, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 4.1                    | Aug 1  | 5.8                 | Aug 4  | 3.4                     | Jul 31, 2002 |
| MAXIMUM PEAK FLOW        |                        |        | 228                 | Mar 29 | 228                     | Mar 29, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 5.68                | Mar 10 | 5.68                    | Mar 4, 2003  |
| INSTANTANEOUS LOW FLOW   |                        |        | 4.8                 | Aug 4  | 2.2                     | Jul 26, 2002 |
| ANNUAL RUNOFF (CFSM)     | 1.57                   |        | 2.20                |        | 1.64                    |              |
| ANNUAL RUNOFF (INCHES)   | 21.43                  |        | 29.92               |        | 22.26                   |              |
| 10 PERCENT EXCEEDS       | 23                     |        | 31                  |        | 25                      |              |
| 50 PERCENT EXCEEDS       | 9.0                    |        | 11                  |        | 8.0                     |              |
| 90 PERCENT EXCEEDS       | 5.6                    |        | 6.5                 |        | 4.2                     |              |



## 01021480 OLD STREAM NEAR WESLEY, ME

LOCATION.--Lat 44° 56'13", long 67° 44'10", Washington County, Hydrologic Unit 01050002, on left bank at upstream side of State Route 9 highway bridge, 0.6 mi upstream from Chain Lakes Stream, and 3.6 mi west of Wesley.

DRAINAGE AREA.--29.1 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: July 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REVISED RECORDS.--WDR ME-00-1: 1999(M).

REMARKS.--Records good, except for period of ice effect, Dec. 15 to Mar. 11, which is fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 655 ft<sup>3</sup>/s, Apr. 4, 2005, gage height 6.78 ft; minimum discharge, 1.5 ft<sup>3</sup>/s, Sept. 7 and 14, 2001, gage height 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Dec 2  | 1000 | 279                               | 5.56                | Apr 26 | 0315 | 402                               | 6.02                |
| Mar 11 | ---  | 335 <sup>a</sup>                  | ---                 | Apr 29 | 1100 | 413                               | 6.06                |
| Mar 30 | 1800 | 625                               | 6.70                | May 27 | 1400 | 527                               | 6.42                |
| Apr 4  | 1530 | *655                              | *6.78               |        |      |                                   |                     |

Minimum discharge, 4.1 ft<sup>3</sup>/s, Oct. 9, gage height, 3.52 ft.

<sup>a</sup> Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL  | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| 1     | 5.9   | 16    | 170   | e61   | e31   | e30   | 442   | 319   | 174   | 25   | 14    | 28    |
| 2     | 5.5   | 15    | 270   | e55   | e29   | e30   | 344   | 282   | 142   | 26   | 22    | 28    |
| 3     | 5.4   | 21    | 227   | e58   | e26   | e28   | 387   | 219   | 118   | 23   | 19    | 24    |
| 4     | 5.5   | 23    | 163   | e55   | e26   | e26   | 616   | 171   | 101   | 21   | 17    | 19    |
| 5     | 5.4   | 33    | 126   | e51   | e24   | e25   | 523   | 138   | 88    | 19   | 15    | 15    |
| 6     | 5.0   | 42    | 100   | e47   | e24   | e24   | 385   | 115   | 85    | 19   | 14    | 12    |
| 7     | 4.9   | 38    | 84    | e44   | e23   | e24   | 319   | 116   | 153   | 18   | 13    | 10    |
| 8     | 4.9   | 38    | 76    | e41   | e23   | e33   | 281   | 207   | 129   | 17   | 12    | 8.7   |
| 9     | 4.7   | 33    | 67    | e39   | e23   | e182  | 249   | 238   | 101   | 18   | 11    | 9.0   |
| 10    | 4.8   | 27    | 60    | e38   | e25   | e308  | 213   | 190   | 81    | 21   | 11    | 7.7   |
| 11    | 4.9   | 23    | 70    | e35   | e32   | e335  | 185   | 145   | 73    | 19   | 10    | 6.1   |
| 12    | 19    | 22    | 81    | e34   | e32   | 306   | 160   | 119   | 63    | 18   | 9.5   | 5.3   |
| 13    | 17    | 21    | 79    | e34   | e30   | 263   | 140   | 97    | 59    | 16   | 9.5   | 5.1   |
| 14    | 11    | 21    | 76    | e56   | e28   | 212   | 127   | 83    | 58    | 15   | 9.4   | 4.9   |
| 15    | 12    | 20    | e64   | e71   | e37   | 176   | 113   | 82    | 62    | 17   | 10    | 7.2   |
| 16    | 38    | 19    | e55   | e66   | e53   | 147   | 100   | 102   | 63    | 15   | 8.7   | 8.3   |
| 17    | 68    | 19    | e48   | e59   | e77   | 123   | 92    | 106   | 79    | 15   | 7.6   | 15    |
| 18    | 60    | 18    | e40   | e54   | e76   | 103   | 89    | 99    | 99    | 13   | 6.8   | 18    |
| 19    | 45    | 19    | e40   | e52   | e66   | 92    | 82    | 99    | 93    | 14   | 6.3   | 17    |
| 20    | 35    | 20    | e39   | e51   | e60   | 88    | 80    | 96    | 74    | 13   | 5.8   | 15    |
| 21    | 27    | 19    | e35   | e50   | e53   | 89    | 105   | 86    | 61    | 13   | 6.1   | 17    |
| 22    | 23    | 20    | e33   | e48   | e46   | 91    | 109   | 86    | 55    | 12   | 6.1   | 14    |
| 23    | 20    | 19    | e35   | e47   | e41   | 94    | 99    | 135   | 48    | 11   | 5.7   | 12    |
| 24    | 18    | 19    | e116  | e46   | e37   | 94    | 96    | 216   | 42    | 11   | 5.7   | 10    |
| 25    | 16    | 43    | e126  | e44   | e34   | 91    | 303   | 203   | 37    | 11   | 5.7   | 8.1   |
| 26    | 15    | 98    | e98   | e42   | e32   | 89    | 369   | 258   | 34    | 11   | 5.4   | 6.7   |
| 27    | 14    | 101   | e69   | e40   | e31   | 86    | 254   | 499   | 31    | 11   | 5.0   | 10    |
| 28    | 13    | 82    | e71   | e39   | e29   | 100   | 274   | 407   | 28    | 16   | 4.8   | 8.6   |
| 29    | 12    | 168   | e66   | e38   | ---   | 377   | 394   | 290   | 26    | 13   | 5.9   | 8.5   |
| 30    | 11    | 184   | e57   | e36   | ---   | 585   | 327   | 228   | 26    | 12   | 12    | 12    |
| 31    | 15    | ---   | e54   | e33   | ---   | 547   | ---   | 205   | ---   | 12   | 15    | ---   |
| TOTAL | 545.9 | 1,241 | 2,695 | 1,464 | 1,048 | 4,798 | 7,257 | 5,636 | 2,283 | 495  | 309.0 | 370.2 |
| MEAN  | 17.6  | 41.4  | 86.9  | 47.2  | 37.4  | 155   | 242   | 182   | 76.1  | 16.0 | 9.97  | 12.3  |
| MAX   | 68    | 184   | 270   | 71    | 77    | 585   | 616   | 499   | 174   | 26   | 22    | 28    |
| MIN   | 4.7   | 15    | 33    | 33    | 23    | 24    | 80    | 82    | 26    | 11   | 4.8   | 4.9   |
| CFSM  | 0.61  | 1.42  | 2.99  | 1.62  | 1.29  | 5.32  | 8.31  | 6.25  | 2.62  | 0.55 | 0.34  | 0.42  |
| IN.   | 0.70  | 1.59  | 3.45  | 1.87  | 1.34  | 6.13  | 9.28  | 7.20  | 2.92  | 0.63 | 0.40  | 0.47  |

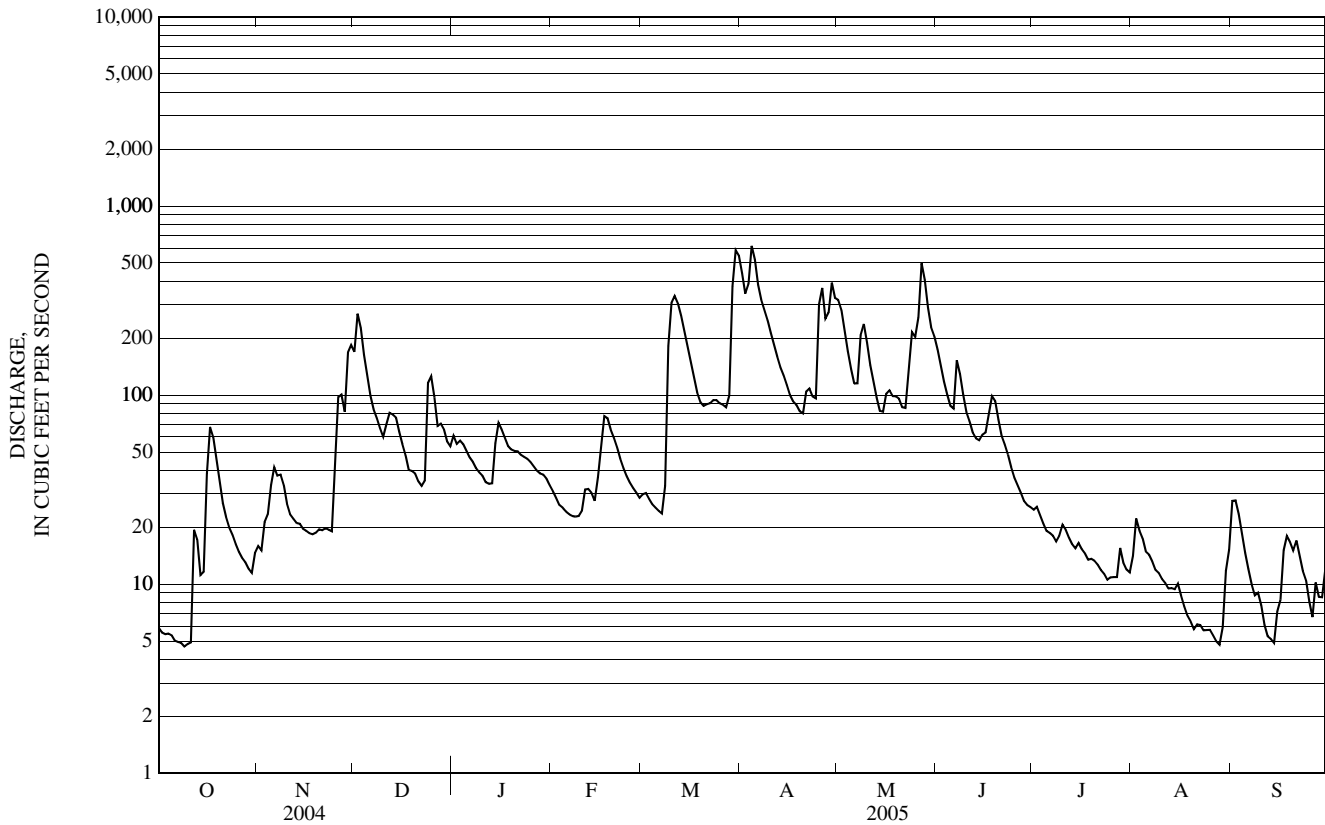
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 23.4   | 50.6   | 78.8   | 47.2   | 39.8   | 113    | 154    | 77.0   | 34.7   | 12.2   | 11.1   | 12.1   |
| MAX  | 58.8   | 118    | 164    | 121    | 81.6   | 174    | 242    | 182    | 76.1   | 18.2   | 44.0   | 40.3   |
| (WY) | (2004) | (2004) | (2004) | (1999) | (1999) | (1999) | (2005) | (2005) | (2005) | (2004) | (2004) | (1999) |
| MIN  | 3.62   | 5.14   | 9.95   | 9.25   | 16.3   | 20.5   | 81.9   | 43.3   | 16.4   | 7.34   | 2.15   | 2.61   |
| (WY) | (2002) | (2002) | (2002) | (2002) | (2001) | (2001) | (1999) | (1999) | (1999) | (2001) | (2001) | (2001) |

e Estimated

## 01021480 OLD STREAM NEAR WESLEY, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |       | FOR 2005 WATER YEAR |       | WATER YEARS 1998 - 2005 |              |
|--------------------------|------------------------|-------|---------------------|-------|-------------------------|--------------|
| ANNUAL TOTAL             | 16,301.9               |       | 28,142.1            |       | 54.7                    |              |
| ANNUAL MEAN              | 44.5                   |       | 77.1                |       | 77.1                    |              |
| HIGHEST ANNUAL MEAN      |                        |       |                     |       | 29.1                    |              |
| LOWEST ANNUAL MEAN       |                        |       |                     |       | 2001                    |              |
| HIGHEST DAILY MEAN       | 270                    | Dec 2 | 616                 | Apr 4 | 616                     | Apr 4, 2005  |
| LOWEST DAILY MEAN        | 4.7                    | Oct 9 | 4.7                 | Oct 9 | 1.6                     | Sep 12, 2001 |
| ANNUAL SEVEN-DAY MINIMUM | 4.9                    | Oct 5 | 4.9                 | Oct 5 | 1.6                     | Sep 9, 2001  |
| MAXIMUM PEAK FLOW        |                        |       | 655                 | Apr 4 | 655                     | Apr 4, 2005  |
| MAXIMUM PEAK STAGE       |                        |       | 6.78                | Apr 4 | 6.78                    | Apr 4, 2005  |
| INSTANTANEOUS LOW FLOW   |                        |       | 4.1                 | Oct 9 | 1.5                     | Sep 7, 2001  |
| ANNUAL RUNOFF (CFSM)     | 1.53                   |       | 2.65                |       | 1.88                    |              |
| ANNUAL RUNOFF (INCHES)   | 20.84                  |       | 35.98               |       | 25.55                   |              |
| 10 PERCENT EXCEEDS       | 100                    |       | 209                 |       | 140                     |              |
| 50 PERCENT EXCEEDS       | 28                     |       | 38                  |       | 27                      |              |
| 90 PERCENT EXCEEDS       | 12                     |       | 8.7                 |       | 4.8                     |              |



## 01021500 MACHIAS RIVER AT WHITNEYVILLE, ME

LOCATION.--Lat 44° 43' 23", long 67° 31' 14", Washington County, Hydrologic Unit 01050002, on right bank 800 ft downstream from U.S. Route 1A highway bridge at Whitneyville.

DRAINAGE AREA.--458 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1905 to September 1921, September 1929 to September 1977. May 2001 to current year. Monthly discharge only for some periods published in WSP 1301. Records for October 1903 to September 1905, published in WSP 97, 124, 165, and 241, are unreliable and should not be used.

REVISED RECORDS.--WSP 971: Drainage area. WSP 1231: 1907-15, 1916-21(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 37.22 ft above National Geodetic Vertical Datum of 1929. October 1, 1905, to Sept. 30, 1921, nonrecording gage on highway bridge at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 9, 16-23 and Dec. 25 to Apr. 1, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft<sup>3</sup>/s, May 29, 1961, gage height, 16.92 ft; minimum daily discharge, 3.5 ft<sup>3</sup>/s, Oct. 12, 1939, when flow was held back by cofferdam during reconstruction of highway bridge upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Mar 30 | 1745 | Ice Jam                           | *11.19              | Apr 29 | 2100 | 4,970                             | 9.06                |
| Mar 30 | ---  | 6,400 <sup>a</sup>                | ---                 | May 9  | 0445 | 3,550                             | 7.49                |
| Apr 5  | 0845 | *6,690                            | 10.66               | May 28 | 0415 | 6,330                             | 10.33               |
| Apr 26 | 1400 | 4,610                             | 8.67                |        |      |                                   |                     |

Minimum discharge, 103 ft<sup>3</sup>/s, Sept. 15, gage height, 3.08 ft.

<sup>a</sup> Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY    | JUN    | JUL   | AUG   | SEP   |
|-------|--------|--------|--------|--------|--------|--------|---------|--------|--------|-------|-------|-------|
| 1     | 270    | 327    | 2,000  | e863   | e481   | e508   | e5,680  | 4,840  | 2,820  | 478   | 253   | 367   |
| 2     | 260    | 327    | 2,870  | e873   | e459   | e543   | 4,250   | 4,620  | 2,510  | 479   | 282   | 427   |
| 3     | 255    | 358    | 2,750  | e933   | e437   | e514   | 3,880   | 3,790  | 2,200  | 465   | 373   | 357   |
| 4     | 246    | 432    | 2,100  | e922   | e424   | e486   | 5,790   | 3,070  | 1,960  | 427   | 350   | 277   |
| 5     | 239    | 541    | 1,610  | e871   | e410   | e470   | 6,610   | 2,610  | 1,760  | 393   | 302   | 220   |
| 6     | 225    | 752    | 1,280  | e831   | e396   | e450   | 5,830   | 2,280  | 1,600  | 371   | 273   | 183   |
| 7     | 214    | 675    | 1,130  | e772   | e387   | e435   | 4,650   | 2,130  | 1,740  | 354   | 251   | 163   |
| 8     | 231    | 608    | 1,150  | e713   | e383   | e482   | 4,070   | 3,130  | 1,910  | 350   | 237   | 148   |
| 9     | 221    | 583    | e1,110 | e674   | e379   | e1,630 | 3,820   | 3,510  | 1,670  | 331   | 225   | 139   |
| 10    | 200    | 495    | 997    | e666   | e396   | e2,630 | 3,500   | 3,170  | 1,450  | 333   | 227   | 134   |
| 11    | 189    | 435    | 1,050  | e622   | e565   | e2,690 | 3,190   | 2,630  | 1,280  | 345   | 227   | 127   |
| 12    | 231    | 417    | 1,290  | e601   | e611   | e2,590 | 2,900   | 2,210  | 1,170  | 329   | 212   | 121   |
| 13    | 347    | 399    | 1,290  | e574   | e585   | e2,350 | 2,670   | 1,920  | 1,080  | 309   | 206   | 111   |
| 14    | 369    | 380    | 1,240  | e608   | e516   | e2,050 | 2,470   | 1,690  | 1,040  | 293   | 202   | 106   |
| 15    | 318    | 361    | 1,010  | e1,100 | e702   | e1,730 | 2,270   | 1,550  | 1,080  | 292   | 217   | 110   |
| 16    | 379    | 342    | e898   | e1,070 | e1,040 | e1,450 | 2,070   | 1,680  | 1,160  | 290   | 211   | 146   |
| 17    | 917    | 312    | e801   | e978   | e1,350 | e1,290 | 1,910   | 1,820  | 1,160  | 272   | 198   | 183   |
| 18    | 877    | 320    | e726   | e905   | e1,430 | e1,180 | 1,780   | 1,730  | 1,380  | 252   | 180   | 284   |
| 19    | 662    | 311    | e688   | e856   | e1,270 | e1,110 | 1,670   | 1,720  | 1,520  | 239   | 165   | 319   |
| 20    | 519    | 317    | e642   | e834   | e1,060 | e1,030 | 1,570   | 1,730  | 1,300  | 229   | 154   | 269   |
| 21    | 427    | 327    | e606   | e794   | e879   | e1,040 | 1,680   | 1,590  | 1,070  | 219   | 153   | 236   |
| 22    | 368    | 322    | e566   | e747   | e775   | e1,050 | 1,880   | 1,500  | 939    | 207   | 154   | 204   |
| 23    | 334    | 318    | e619   | e711   | e721   | e1,090 | 1,710   | 1,840  | 863    | 194   | 155   | 183   |
| 24    | 306    | 306    | 1,110  | e680   | e674   | e1,090 | 1,610   | 2,680  | 767    | 183   | 154   | 159   |
| 25    | 287    | 630    | e1,680 | e656   | e640   | e1,050 | 3,190   | 2,820  | 692    | 181   | 158   | 140   |
| 26    | 277    | 1,560  | e1,420 | e631   | e613   | e998   | 4,540   | 3,310  | 634    | 187   | 157   | 131   |
| 27    | 266    | 1,490  | e1,220 | e604   | e575   | e979   | 4,030   | 5,850  | 586    | 192   | 148   | 148   |
| 28    | 249    | 1,100  | e1,070 | e576   | e537   | e1,020 | 3,600   | 6,170  | 550    | 198   | 138   | 179   |
| 29    | 237    | 1,680  | e987   | e550   | ---    | e3,240 | 4,790   | 5,100  | 520    | 283   | 136   | 179   |
| 30    | 226    | 2,400  | e929   | e526   | ---    | e6,400 | 4,810   | 3,720  | 492    | 346   | 218   | 193   |
| 31    | 257    | ---    | e884   | e504   | ---    | e6,300 | ---     | 3,130  | ---    | 290   | 310   | ---   |
| TOTAL | 10,403 | 18,825 | 37,723 | 23,245 | 18,695 | 49,875 | 102,420 | 89,540 | 38,903 | 9,311 | 6,626 | 5,943 |
| MEAN  | 336    | 628    | 1,217  | 750    | 668    | 1,609  | 3,414   | 2,888  | 1,297  | 300   | 214   | 198   |
| MAX   | 917    | 2,400  | 2,870  | 1,100  | 1,430  | 6,400  | 6,610   | 6,170  | 2,820  | 479   | 373   | 427   |
| MIN   | 189    | 306    | 566    | 504    | 379    | 435    | 1,570   | 1,500  | 492    | 181   | 136   | 106   |
| CFSM  | 0.73   | 1.37   | 2.66   | 1.64   | 1.46   | 3.51   | 7.45    | 6.31   | 2.83   | 0.66  | 0.47  | 0.43  |
| IN.   | 0.84   | 1.53   | 3.06   | 1.89   | 1.52   | 4.05   | 8.32    | 7.27   | 3.16   | 0.76  | 0.54  | 0.48  |

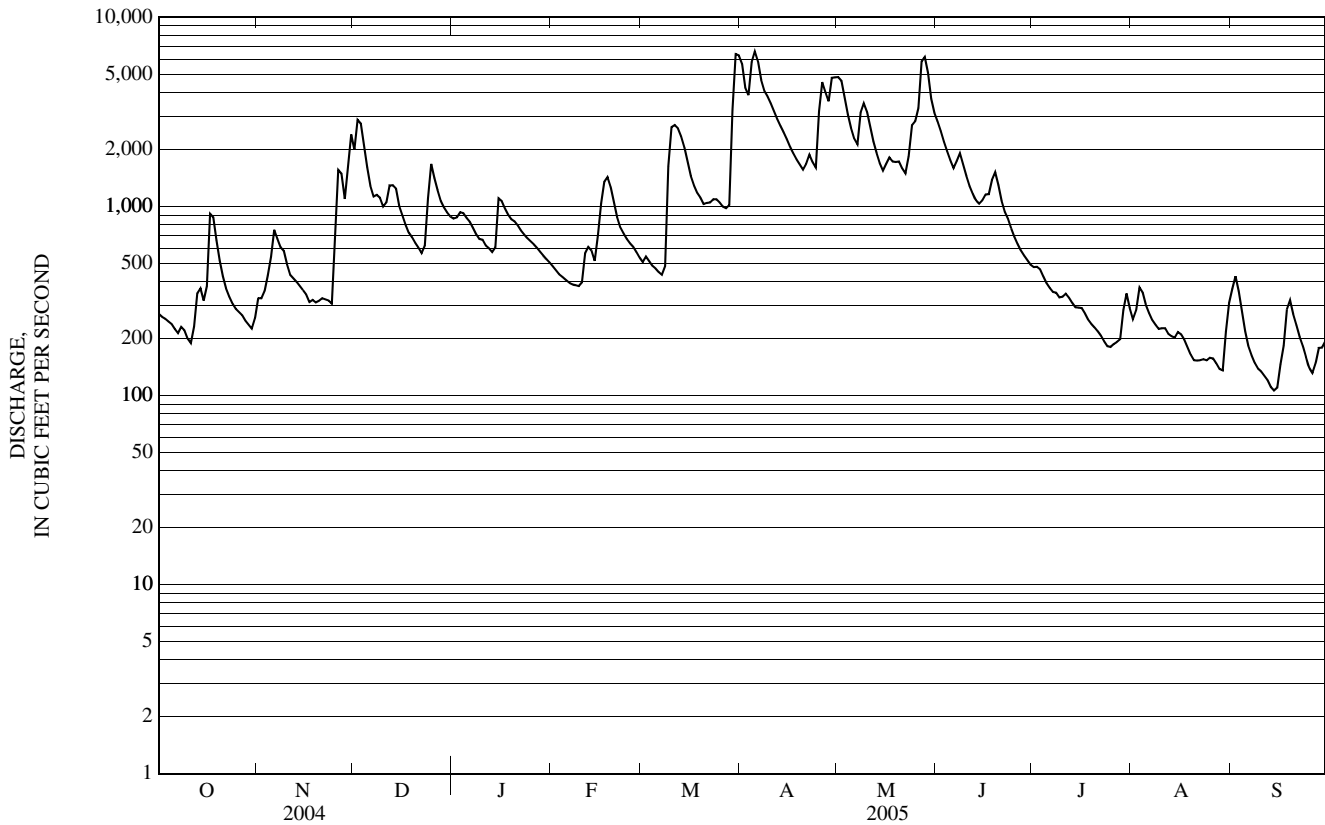
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 529    | 911    | 1,019  | 788    | 695    | 1,206  | 2,408  | 1,714  | 854    | 451    | 308    | 331    |
| MAX  | 1,867  | 2,225  | 2,972  | 2,059  | 2,799  | 3,633  | 5,836  | 3,163  | 3,206  | 1,189  | 993    | 1,624  |
| (WY) | (1919) | (1944) | (1951) | (1958) | (1976) | (1936) | (1920) | (1963) | (1917) | (1947) | (1943) | (1954) |
| MIN  | 62.1   | 76.4   | 144    | 146    | 195    | 242    | 1,008  | 549    | 228    | 127    | 50.0   | 50.5   |
| (WY) | (2002) | (2002) | (1956) | (1948) | (1940) | (1967) | (1915) | (1966) | (1941) | (1949) | (2001) | (2001) |

e Estimated

## 01021500 MACHIAS RIVER AT WHITNEYVILLE, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1906 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 252,496                |        | 411,509             |        | 933                     |              |
| ANNUAL MEAN              | 690                    |        | 1,127               |        | 1,498                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 542                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 13,900                  |              |
| HIGHEST DAILY MEAN       | 3,080                  | Apr 16 | 6,610               | Apr 5  | 13,900                  | May 29, 1961 |
| LOWEST DAILY MEAN        | 165                    | Aug 12 | 106                 | Sep 14 | 3.5                     | Oct 12, 1939 |
| ANNUAL SEVEN-DAY MINIMUM | 183                    | Aug 6  | 121                 | Sep 9  | 27                      | Sep 15, 2001 |
| MAXIMUM PEAK FLOW        |                        |        | 6,690               | Apr 5  | 14,800                  | May 29, 1961 |
| MAXIMUM PEAK STAGE       |                        |        | 11.19               | Mar 30 | 16.92                   | May 29, 1961 |
| INSTANTANEOUS LOW FLOW   |                        |        | 103                 | Sep 15 |                         |              |
| ANNUAL RUNOFF (CFSM)     | 1.51                   |        | 2.46                |        | 2.04                    |              |
| ANNUAL RUNOFF (INCHES)   | 20.51                  |        | 33.42               |        | 27.68                   |              |
| 10 PERCENT EXCEEDS       | 1,510                  |        | 2,820               |        | 2,240                   |              |
| 50 PERCENT EXCEEDS       | 440                    |        | 622                 |        | 555                     |              |
| 90 PERCENT EXCEEDS       | 256                    |        | 193                 |        | 171                     |              |



## 01022210 PLEASANT RIVER ABOVE COLONEL BROOK NEAR CREBO FLAT, ME

LOCATION.--Lat 44° 46'57", long 67° 55'23", Washington County, Hydrologic Unit 01050002, on left bank in T18MDBPP, 1.3 mi above Colonel Brook, 6.6 mi below Pleasant Lake, and 5 mi east of Deblois.

DRAINAGE AREA.--22.3 mi<sup>2</sup>.

PERIOD OF RECORD.--Oct. 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 230 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for period of doubtful stage-discharge relation, Oct. 1 to Mar. 30, which is fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 458 ft<sup>3</sup>/s, Apr. 4, 2005, gage height, 4.79 ft; minimum discharge, 1.79 ft<sup>3</sup>/s, Aug. 29, 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Mar 30 | 2015 | 317                               | 4.46                | Apr 29 | 0900 | 345                               | 4.55                |
| Apr 4  | 1215 | *458                              | *4.79               | May 26 | 2215 | 424                               | 4.74                |

Minimum discharge, 3.7 ft<sup>3</sup>/s, Aug. 29, gage height, 1.79 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV  | DEC   | JAN   | FEB  | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 9.8   | 16   | 107   | e52   | e24  | e29   | 257   | 290   | 147   | 22    | 8.2   | 11    |
| 2     | 8.8   | 16   | 146   | e47   | e23  | e31   | 221   | 245   | 126   | 21    | 12    | 11    |
| 3     | 8.5   | 19   | 131   | e49   | e23  | e29   | 282   | 197   | 111   | 20    | 11    | 9.6   |
| 4     | 8.3   | 21   | e113  | e47   | e24  | e27   | 435   | 163   | 99    | 18    | 10    | 8.6   |
| 5     | 8.0   | 25   | e99   | e44   | e24  | e25   | 400   | 139   | 89    | 17    | 9.4   | 7.6   |
| 6     | 7.6   | 30   | e82   | e41   | e23  | e24   | 324   | 121   | 81    | 15    | 8.9   | 6.8   |
| 7     | 7.2   | 28   | e68   | e41   | e22  | e23   | 264   | 116   | 80    | 14    | 8.2   | 6.2   |
| 8     | 7.0   | 29   | e64   | e39   | e22  | e36   | 227   | 155   | 76    | 14    | 7.6   | 5.4   |
| 9     | 6.5   | 28   | e57   | e38   | e22  | e157  | 198   | 152   | 69    | 13    | 7.2   | 5.4   |
| 10    | 6.4   | 25   | e52   | e36   | e24  | e167  | 173   | 138   | 62    | 14    | 6.9   | 5.5   |
| 11    | 6.5   | 23   | e58   | e35   | e33  | e156  | 152   | 122   | 57    | 14    | 6.6   | 5.0   |
| 12    | 8.6   | 22   | e59   | e32   | e33  | e139  | 137   | 110   | 53    | 14    | 6.2   | 4.7   |
| 13    | 10    | 21   | e56   | e33   | e31  | e123  | 125   | 99    | 49    | 14    | 6.4   | 4.4   |
| 14    | 9.8   | 21   | e53   | e51   | e28  | e105  | 115   | 86    | 46    | 13    | 6.4   | 4.2   |
| 15    | 9.4   | 21   | e48   | e56   | e40  | e94   | 105   | 80    | 50    | 14    | 7.2   | 4.6   |
| 16    | 17    | 19   | e43   | e53   | e50  | e85   | 98    | 85    | 50    | 14    | 6.8   | 5.5   |
| 17    | 28    | 18   | e41   | e52   | e65  | e75   | 91    | 83    | 54    | 13    | 5.8   | 7.3   |
| 18    | 31    | 17   | e37   | e47   | e61  | e69   | 86    | 81    | 59    | 13    | 5.2   | 10    |
| 19    | 30    | 16   | e36   | e43   | e55  | e64   | 80    | 82    | 60    | 12    | 4.9   | 9.9   |
| 20    | 28    | 16   | e35   | e46   | e50  | e63   | 73    | 78    | 55    | 11    | 4.5   | 9.5   |
| 21    | 25    | 16   | e33   | e45   | e43  | e63   | 82    | 72    | 50    | 10    | 4.5   | 9.5   |
| 22    | 23    | 16   | e32   | e40   | e42  | e64   | 80    | 75    | 47    | 9.4   | 4.9   | 8.9   |
| 23    | 22    | 16   | e33   | e39   | e41  | e64   | 74    | 99    | 43    | 8.7   | 4.8   | 8.2   |
| 24    | 20    | 15   | e77   | e38   | e37  | e64   | 78    | 119   | 38    | 8.1   | 4.6   | 7.5   |
| 25    | 18    | 26   | e75   | e36   | e35  | e64   | 178   | 117   | 33    | 8.1   | 5.2   | 6.9   |
| 26    | 17    | 53   | e68   | e33   | e33  | e63   | 199   | 218   | 30    | 8.5   | 5.3   | 6.8   |
| 27    | 16    | 57   | e59   | e32   | e32  | e62   | 179   | 357   | 28    | 7.9   | 4.7   | 8.8   |
| 28    | 15    | 53   | e60   | e29   | e28  | e71   | 247   | 312   | 26    | 9.9   | 4.1   | 8.2   |
| 29    | 15    | 89   | e55   | e28   | ---  | e253  | 335   | 251   | 24    | 9.0   | 4.3   | 8.0   |
| 30    | 13    | 100  | e49   | e27   | ---  | e298  | 293   | 202   | 23    | 7.8   | 6.4   | 10    |
| 31    | 15    | ---  | e47   | e25   | ---  | 290   | ---   | 172   | ---   | 7.1   | 8.9   | ---   |
| TOTAL | 455.4 | 872  | 1,973 | 1,254 | 968  | 2,877 | 5,588 | 4,616 | 1,815 | 394.5 | 207.1 | 225.0 |
| MEAN  | 14.7  | 29.1 | 63.6  | 40.5  | 34.6 | 92.8  | 186   | 149   | 60.5  | 12.7  | 6.68  | 7.50  |
| MAX   | 31    | 100  | 146   | 56    | 65   | 298   | 435   | 357   | 147   | 22    | 12    | 11    |
| MIN   | 6.4   | 15   | 32    | 25    | 22   | 23    | 73    | 72    | 23    | 7.1   | 4.1   | 4.2   |
| CFSM  | 0.66  | 1.30 | 2.85  | 1.81  | 1.55 | 4.16  | 8.35  | 6.68  | 2.71  | 0.57  | 0.30  | 0.34  |
| IN.   | 0.76  | 1.45 | 3.29  | 2.09  | 1.61 | 4.80  | 9.32  | 7.70  | 3.03  | 0.66  | 0.35  | 0.38  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

| MEAN | 14.7   | 29.1   | 63.6   | 40.5   | 34.6   | 92.8   | 186    | 149    | 60.5   | 12.7   | 6.68   | 7.50   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 14.7   | 29.1   | 63.6   | 40.5   | 34.6   | 92.8   | 186    | 149    | 60.5   | 12.7   | 6.68   | 7.50   |
| (WY) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) |
| MIN  | 14.7   | 29.1   | 63.6   | 40.5   | 34.6   | 92.8   | 186    | 149    | 60.5   | 12.7   | 6.68   | 7.50   |
| (WY) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) | (2005) |

e Estimated

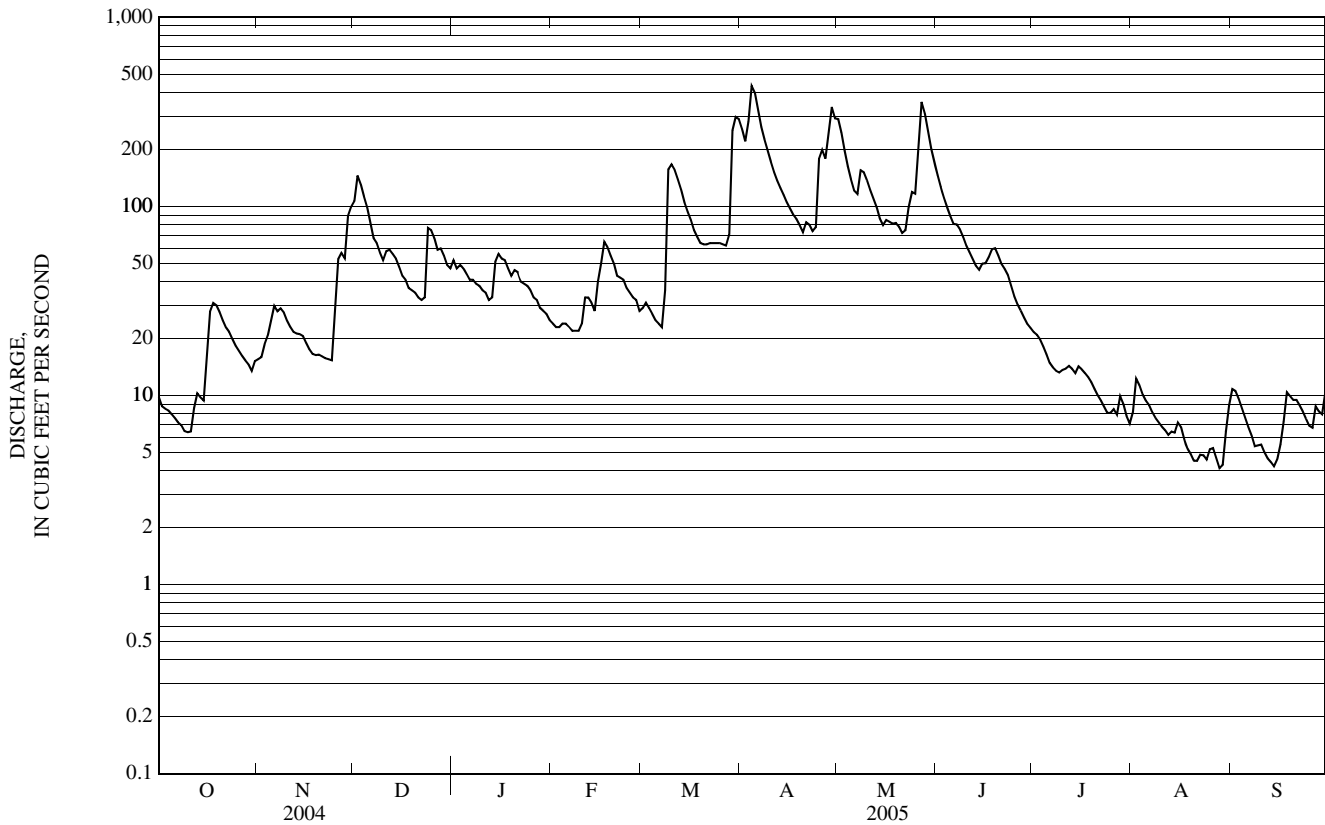
## 01022210 PLEASANT RIVER ABOVE COLONEL BROOK NEAR CREBO FLAT, ME—Continued

## SUMMARY STATISTICS

## FOR 2005 WATER YEAR

## WATER YEARS 2004 - 2005

|                          |            |                  |
|--------------------------|------------|------------------|
| ANNUAL TOTAL             | 21,245.0   |                  |
| ANNUAL MEAN              | 58.2       | 58.2             |
| HIGHEST ANNUAL MEAN      |            | 58.2 2005        |
| LOWEST ANNUAL MEAN       |            | 58.2 2005        |
| HIGHEST DAILY MEAN       | 435 Apr 4  | 435 Apr 4, 2005  |
| LOWEST DAILY MEAN        | 4.1 Aug 28 | 4.1 Aug 28, 2005 |
| ANNUAL SEVEN-DAY MINIMUM | 4.7 Aug 23 | 4.7 Aug 23, 2005 |
| MAXIMUM PEAK FLOW        | 458 Apr 4  | 458 Apr 4, 2005  |
| MAXIMUM PEAK STAGE       | 4.79 Apr 4 | 4.79 Apr 4, 2005 |
| INSTANTANEOUS LOW FLOW   | 3.7 Aug 29 | 3.7 Aug 29, 2005 |
| ANNUAL RUNOFF (CFSM)     | 2.61       | 2.61             |
| ANNUAL RUNOFF (INCHES)   | 35.44      | 35.46            |
| 10 PERCENT EXCEEDS       | 146        | 146              |
| 50 PERCENT EXCEEDS       | 33         | 33               |
| 90 PERCENT EXCEEDS       | 7.0        | 7.0              |



## 01022220 PLEASANT RIVER NEAR CREBO FLAT, ME

LOCATION.--Lat 44° 46'08", long 67° 55'24", Washington County, Hydrologic Unit 01050002, on right bank in T18 MDBPP, 7 mi downstream from Pleasant River Lake, 4 mi upstream from Crebo Brook, and 4.5 mi east of Deblois.

DRAINAGE AREA.--25.5 mi<sup>2</sup>

PERIOD OF RECORD.--

DISCHARGE: Occasional low-flow measurements, water years 2000-2002. August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Dec. 20-21, Jan. 10-12, Feb. 19-20, and 25-26, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft<sup>3</sup>/s, May 26, 2005, gage height, 6.07 ft; minimum discharge, 3.3 ft<sup>3</sup>/s, Sept. 11, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Mar 10 | 1400 | 228                               | 4.99                | Apr 25 | 1200 | 280                               | 5.23                |
| Mar 29 | 1645 | 370                               | 5.59                | Apr 28 | 2330 | 383                               | 5.64                |
| Apr 3  | 2115 | 451                               | 5.88                | May 26 | 2200 | *510                              | *6.07               |

Minimum discharge, 4.8 ft<sup>3</sup>/s, Aug. 29, gage height, 2.94 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV  | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 11    | 17   | 111   | 60    | 28    | 33    | 285   | 329   | 177   | 25    | 9.1   | 13    |
| 2     | 9.9   | 18   | 162   | 54    | 26    | 35    | 255   | 285   | 152   | 24    | 14    | 13    |
| 3     | 9.7   | 21   | 141   | 56    | 26    | 32    | 320   | 236   | 131   | 23    | 14    | 12    |
| 4     | 9.5   | 23   | 119   | 54    | 27    | 31    | 423   | 196   | 114   | 21    | 12    | 10    |
| 5     | 9.1   | 28   | 102   | 49    | 27    | 29    | 386   | 164   | 100   | 19    | 11    | 9.0   |
| 6     | 8.6   | 32   | 85    | 46    | 26    | 27    | 331   | 141   | 90    | 18    | 11    | 8.2   |
| 7     | 8.5   | 30   | 73    | 45    | 26    | 26    | 284   | 138   | 92    | 17    | 9.6   | 7.4   |
| 8     | 8.3   | 31   | 72    | 42    | 25    | 43    | 254   | 203   | 85    | 16    | 8.7   | 6.6   |
| 9     | 7.9   | 29   | 65    | 41    | 26    | 197   | 224   | 191   | 78    | 16    | 8.3   | 6.6   |
| 10    | 7.8   | 27   | 59    | e40   | 27    | 193   | 195   | 168   | 69    | 17    | 8.0   | 6.7   |
| 11    | 7.8   | 25   | 67    | e37   | 36    | 185   | 171   | 148   | 63    | 17    | 7.9   | 6.3   |
| 12    | 10    | 24   | 70    | e36   | 37    | 164   | 153   | 129   | 58    | 17    | 7.5   | 5.8   |
| 13    | 11    | 23   | 66    | 37    | 34    | 143   | 139   | 113   | 53    | 17    | 8.1   | 5.7   |
| 14    | 11    | 23   | 63    | 62    | 31    | 119   | 125   | 97    | 51    | 16    | 7.8   | 5.5   |
| 15    | 11    | 22   | 54    | 67    | 46    | 104   | 111   | 90    | 57    | 17    | 8.2   | 6.1   |
| 16    | 21    | 20   | 49    | 63    | 60    | 95    | 101   | 98    | 57    | 16    | 7.4   | 7.0   |
| 17    | 32    | 19   | 45    | 57    | 80    | 87    | 92    | 95    | 62    | 15    | 6.3   | 9.0   |
| 18    | 34    | 18   | 41    | 52    | 74    | 80    | 87    | 93    | 69    | 14    | 6.2   | 12    |
| 19    | 32    | 18   | 40    | 47    | e63   | 75    | 81    | 95    | 68    | 14    | 5.9   | 12    |
| 20    | 29    | 18   | e37   | 51    | e55   | 75    | 75    | 91    | 60    | 13    | 5.6   | 11    |
| 21    | 27    | 18   | e36   | 49    | 50    | 75    | 86    | 83    | 54    | 12    | 5.7   | 11    |
| 22    | 25    | 17   | 35    | 44    | 48    | 76    | 83    | 86    | 51    | 12    | 6.0   | 10    |
| 23    | 23    | 17   | 37    | 42    | 45    | 77    | 76    | 123   | 47    | 10    | 5.9   | 9.8   |
| 24    | 21    | 17   | 93    | 42    | 41    | 77    | 82    | 151   | 41    | 9.4   | 5.9   | 8.9   |
| 25    | 20    | 31   | 88    | 40    | e38   | 76    | 225   | 143   | 37    | 10    | 6.4   | 8.3   |
| 26    | 19    | 57   | 78    | 37    | e37   | 75    | 235   | 268   | 34    | 11    | 6.4   | 8.2   |
| 27    | 18    | 58   | 65    | 35    | 35    | 74    | 207   | 417   | 31    | 10    | 5.8   | 11    |
| 28    | 17    | 53   | 67    | 32    | 32    | 86    | 288   | 351   | 29    | 12    | 5.3   | 9.8   |
| 29    | 16    | 93   | 64    | 31    | ---   | 313   | 367   | 292   | 27    | 11    | 5.6   | 9.9   |
| 30    | 15    | 102  | 55    | 30    | ---   | 330   | 322   | 245   | 26    | 9.0   | 8.1   | 13    |
| 31    | 17    | ---  | 52    | 29    | ---   | 313   | ---   | 210   | ---   | 7.8   | 10    | ---   |
| TOTAL | 507.1 | 929  | 2,191 | 1,407 | 1,106 | 3,345 | 6,063 | 5,469 | 2,063 | 466.2 | 247.7 | 272.8 |
| MEAN  | 16.4  | 31.0 | 70.7  | 45.4  | 39.5  | 108   | 202   | 176   | 68.8  | 15.0  | 7.99  | 9.09  |
| MAX   | 34    | 102  | 162   | 67    | 80    | 330   | 423   | 417   | 177   | 25    | 14    | 13    |
| MIN   | 7.8   | 17   | 35    | 29    | 25    | 26    | 75    | 83    | 26    | 7.8   | 5.3   | 5.5   |
| CFSM  | 0.64  | 1.21 | 2.77  | 1.78  | 1.55  | 4.23  | 7.93  | 6.92  | 2.70  | 0.59  | 0.31  | 0.36  |
| IN.   | 0.74  | 1.36 | 3.20  | 2.05  | 1.61  | 4.88  | 8.84  | 7.98  | 3.01  | 0.68  | 0.36  | 0.40  |

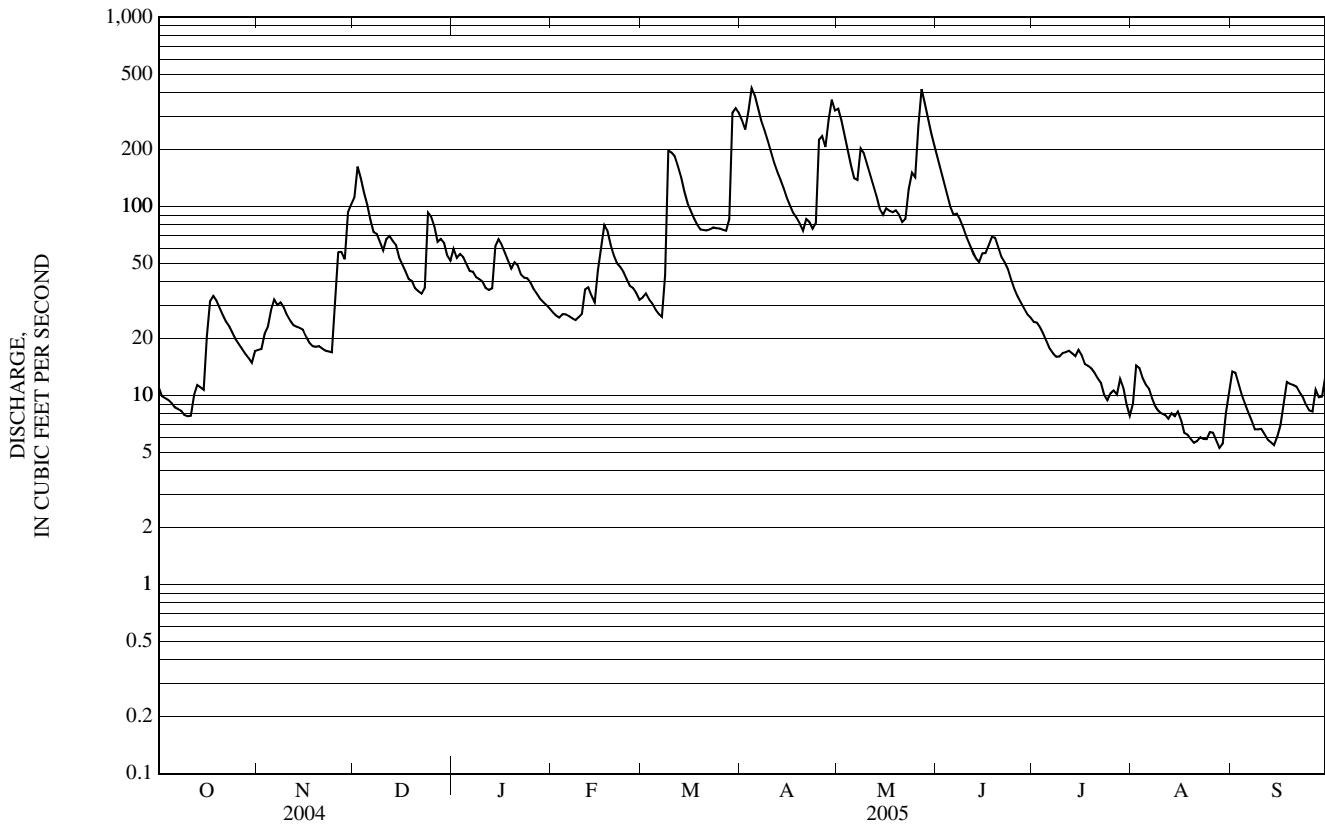
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

|      | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 25.0   | 63.1   | 95.2   | 45.3   | 30.9   | 73.2   | 138    | 99.2   | 47.6   | 15.5   | 17.0   | 9.85   |
| MAX  | 49.9   | 110    | 129    | 49.3   | 39.5   | 108    | 202    | 176    | 68.8   | 20.2   | 31.3   | 19.6   |
| (WY) | (2004) | (2004) | (2004) | (2004) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2004) | (2004) |
| MIN  | 8.77   | 31.0   | 70.7   | 41.1   | 21.2   | 31.3   | 87.2   | 48.6   | 23.9   | 11.2   | 7.99   | 5.06   |
| (WY) | (2003) | (2005) | (2005) | (2003) | (2004) | (2004) | (2004) | (2004) | (2004) | (2003) | (2005) | (2002) |

e Estimated

## 01022220 PLEASANT RIVER NEAR CREBO FLAT, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2002 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 13,767.5               |        | 24,066.8            |        | 55.2                    |              |
| ANNUAL MEAN              | 37.6                   |        | 65.9                |        | 65.9                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 47.7                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 2003                    |              |
| HIGHEST DAILY MEAN       | 162                    | Dec 2  | 423                 | Apr 4  | 423                     | Apr 4, 2005  |
| LOWEST DAILY MEAN        | 7.8                    | Oct 10 | 5.3                 | Aug 28 | 3.7                     | Sep 11, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 8.3                    | Oct 5  | 5.9                 | Aug 18 | 4.0                     | Sep 8, 2002  |
| MAXIMUM PEAK FLOW        |                        |        | 510                 | May 26 | 510                     | May 26, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 6.07                | May 26 | 6.07                    | May 26, 2005 |
| INSTANTANEOUS LOW FLOW   |                        |        | 4.8                 | Aug 29 | 3.3                     | Sep 11, 2002 |
| ANNUAL RUNOFF (CFSM)     | 1.48                   |        | 2.59                |        | 2.16                    |              |
| ANNUAL RUNOFF (INCHES)   | 20.08                  |        | 35.11               |        | 29.40                   |              |
| 10 PERCENT EXCEEDS       | 74                     |        | 169                 |        | 124                     |              |
| 50 PERCENT EXCEEDS       | 27                     |        | 36                  |        | 33                      |              |
| 90 PERCENT EXCEEDS       | 14                     |        | 8.2                 |        | 9.2                     |              |



## 01022260 PLEASANT RIVER NEAR EPPING, ME

LOCATION.--Lat 44°41'52", long 67°47'14", Washington County, Hydrologic Unit 01050002, on right bank at Saco Falls, 100 ft upstream from East Base Road bridge in Columbia, 0.6 mi upstream from North Branch Pleasant River, and 1.6 mi northeast of the village of Epping.

DRAINAGE AREA.--60.6 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: July 1980 to September 1991. October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 127.02 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 16, 18, 20-22, Dec. 26 to Feb. 28, Mar. 3-7, 9-16, and 21, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,270 ft<sup>3</sup>/s, May 28, 2005, gage height, 10.25 ft; maximum gage height, 11.64 ft, Jan. 16, 2004 (backwater from ice); minimum discharge, 10 ft<sup>3</sup>/s, Dec. 2, 2002, gage height, 4.72 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 440 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time  | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|-------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Dec 4  | 0645  | 444                               | 7.60                | Apr 30 | 0630 | 907                               | 9.17                |
| Mar 12 | - - - | 628 <sup>a</sup>                  | - - -               | May 10 | 0700 | 569                               | 8.04                |
| Mar 30 | 1845  | 1,190                             | 10.02               | May 28 | 0200 | *1,270                            | *10.25              |
| Apr 5  | 0445  | 1,060                             | 9.64                |        |      |                                   |                     |

Minimum discharge, 24 ft<sup>3</sup>/s, Sept. 14-15, gage height, 5.07 ft.

<sup>a</sup> Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|
| 1     | 33    | 80    | 330   | e155  | e76   | 108    | 850    | 833    | 547   | 78    | 34    | 70    |
| 2     | 39    | 71    | 372   | e157  | e71   | 107    | 712    | 783    | 486   | 80    | 55    | 80    |
| 3     | 37    | 79    | 398   | e145  | e68   | e104   | 671    | 698    | 419   | 78    | 73    | 60    |
| 4     | 32    | 96    | 434   | e142  | e71   | e101   | 861    | 595    | 361   | 70    | 58    | 46    |
| 5     | 31    | 121   | 397   | e134  | e71   | e98    | 1,020  | 520    | 311   | 65    | 46    | 39    |
| 6     | 30    | 159   | 325   | e121  | e69   | e92    | 868    | 444    | 270   | 62    | 43    | 34    |
| 7     | 28    | 137   | 253   | e116  | e67   | e88    | 725    | 392    | 256   | 61    | 39    | 32    |
| 8     | 27    | 124   | 208   | e111  | e66   | 116    | 638    | 408    | 262   | 60    | 35    | 30    |
| 9     | 27    | 117   | 182   | e107  | e66   | e398   | 581    | 486    | 250   | 60    | 32    | 29    |
| 10    | 29    | 100   | 165   | e105  | e75   | e497   | 536    | 559    | 220   | 68    | 31    | 27    |
| 11    | 29    | 88    | 169   | e99   | e107  | e583   | 484    | 503    | 191   | 67    | 30    | 25    |
| 12    | 39    | 81    | 198   | e98   | e114  | e628   | 430    | 425    | 169   | 62    | 30    | 25    |
| 13    | 52    | 76    | 208   | e94   | e101  | e538   | 384    | 361    | 152   | 59    | 30    | 25    |
| 14    | 47    | 72    | 199   | e120  | e92   | e456   | 344    | 306    | 141   | 58    | 32    | 24    |
| 15    | 44    | 68    | 167   | e162  | e120  | e396   | 309    | 265    | 167   | 64    | 37    | 26    |
| 16    | 77    | 66    | e150  | e196  | e154  | e361   | 274    | 249    | 192   | 64    | 41    | 51    |
| 17    | 156   | 61    | 136   | e179  | e207  | 316    | 246    | 252    | 195   | 56    | 35    | 63    |
| 18    | 153   | 57    | e123  | e161  | e240  | 289    | 226    | 250    | 206   | 51    | 30    | 86    |
| 19    | 121   | 57    | 113   | e150  | e210  | 265    | 208    | 254    | 223   | 49    | 28    | 75    |
| 20    | 99    | 61    | e106  | e159  | e194  | 255    | 194    | 263    | 218   | 48    | 26    | 64    |
| 21    | 85    | 60    | e102  | e154  | e177  | e251   | 205    | 255    | 181   | 45    | 26    | 59    |
| 22    | 76    | 58    | e97   | e133  | e160  | 271    | 224    | 244    | 150   | 42    | 29    | 52    |
| 23    | 69    | 57    | 96    | e129  | e152  | 287    | 224    | 270    | 141   | 40    | 29    | 45    |
| 24    | 63    | 55    | 163   | e127  | e147  | 300    | 215    | 324    | 126   | 37    | 28    | 40    |
| 25    | 59    | 125   | 214   | e116  | e135  | 287    | 307    | 380    | 113   | 36    | 33    | 36    |
| 26    | 55    | 235   | e229  | e110  | e124  | 261    | 427    | 496    | 101   | 46    | 34    | 33    |
| 27    | 52    | 253   | e184  | e103  | e118  | 241    | 616    | 926    | 93    | 47    | 30    | 46    |
| 28    | 50    | 231   | e177  | e96   | e109  | 244    | 611    | 1,190  | 90    | 44    | 28    | 58    |
| 29    | 46    | 251   | e182  | e88   | ---   | 455    | 730    | 912    | 86    | 46    | 28    | 48    |
| 30    | 44    | 290   | e151  | e83   | ---   | 1,010  | 884    | 712    | 81    | 41    | 46    | 59    |
| 31    | 59    | ---   | e142  | e78   | ---   | 1,050  | ---    | 610    | ---   | 36    | 64    | ---   |
| TOTAL | 1,788 | 3,386 | 6,370 | 3,928 | 3,361 | 10,453 | 15,004 | 15,165 | 6,398 | 1,720 | 1,140 | 1,387 |
| MEAN  | 57.7  | 113   | 205   | 127   | 120   | 337    | 500    | 489    | 213   | 55.5  | 36.8  | 46.2  |
| MAX   | 156   | 290   | 434   | 196   | 240   | 1,050  | 1,020  | 1,190  | 547   | 80    | 73    | 86    |
| MIN   | 27    | 55    | 96    | 78    | 66    | 88     | 194    | 244    | 81    | 36    | 26    | 24    |
| CFSM  | 0.95  | 1.86  | 3.39  | 2.09  | 1.98  | 5.56   | 8.25   | 8.07   | 3.52  | 0.92  | 0.61  | 0.76  |
| IN.   | 1.10  | 2.08  | 3.91  | 2.41  | 2.06  | 6.42   | 9.21   | 9.31   | 3.93  | 1.06  | 0.70  | 0.85  |

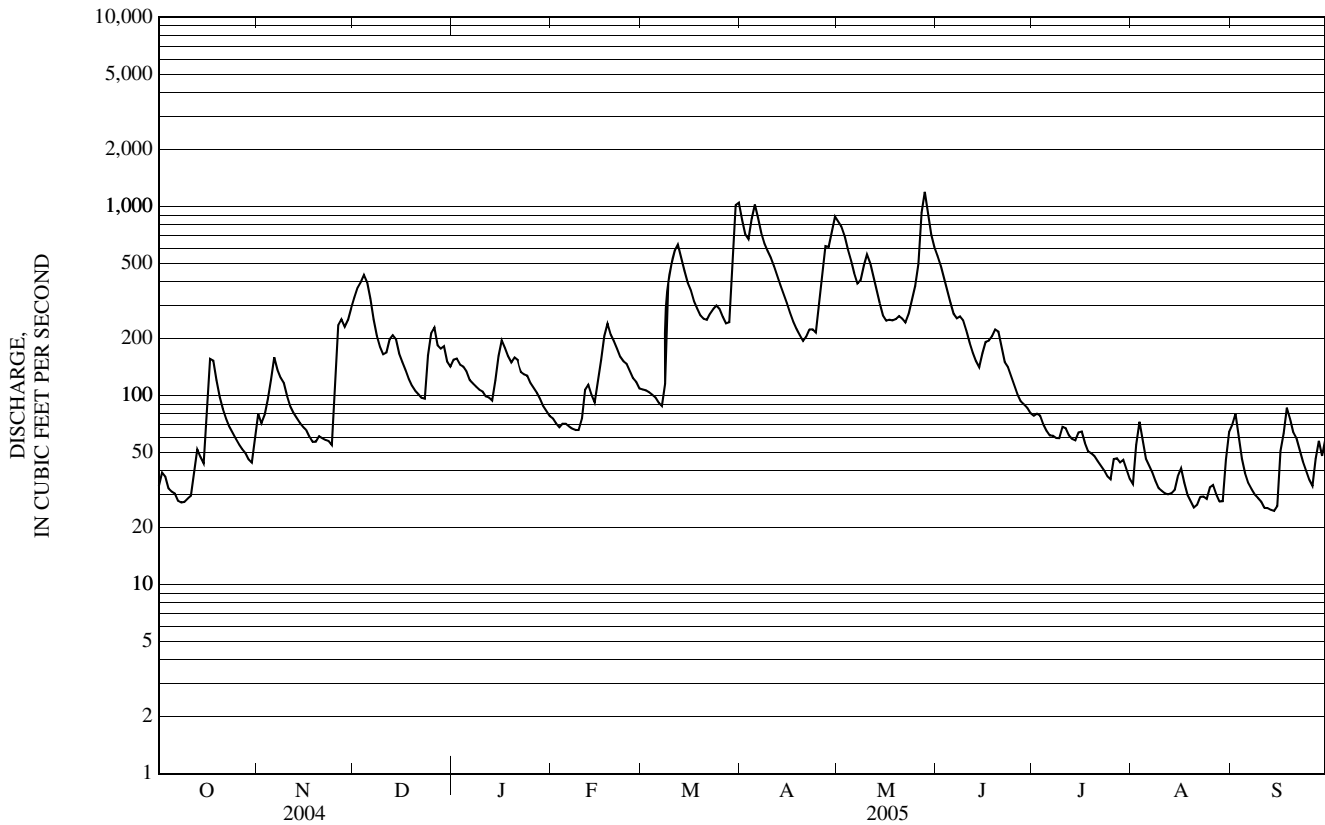
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

| MEAN | 75.3   | 148    | 173    | 100    | 141    | 202    | 314    | 199    | 117    | 62.0   | 61.2   | 55.8   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 180    | 267    | 315    | 159    | 352    | 337    | 500    | 489    | 270    | 149    | 144    | 140    |
| (WY) | (1982) | (1989) | (1984) | (1982) | (1981) | (2005) | (2005) | (2005) | (1984) | (1984) | (1986) | (1981) |
| MIN  | 18.6   | 22.9   | 41.9   | 42.0   | 70.3   | 104    | 129    | 116    | 49.1   | 24.5   | 14.9   | 17.8   |
| (WY) | (2002) | (2002) | (2002) | (2002) | (2001) | (2001) | (1985) | (2001) | (1988) | (2001) | (2001) | (2001) |

e Estimated

## 01022260 PLEASANT RIVER NEAR EPPING, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1980 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 42,267                 |        | 70,100              |        | 137                     |              |
| ANNUAL MEAN              | 115                    |        | 192                 |        | 194                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 83.9                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 194                     |              |
| HIGHEST DAILY MEAN       | 434                    | Dec 4  | 1,190               | May 28 | 1,210                   | May 13, 1989 |
| LOWEST DAILY MEAN        | 26                     | Aug 12 | 24                  | Sep 14 | 12                      | Sep 14, 2001 |
| ANNUAL SEVEN-DAY MINIMUM | 29                     | Oct 5  | 26                  | Sep 9  | 12                      | Sep 14, 2001 |
| MAXIMUM PEAK FLOW        |                        |        | 1,270               | May 28 | 1,270                   | May 28, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 10.25               | May 28 | 11.64                   | Jan 16, 2004 |
| INSTANTANEOUS LOW FLOW   |                        |        | 24                  | Sep 14 | 10                      | Dec 2, 2002  |
| ANNUAL RUNOFF (CFSM)     | 1.91                   |        | 3.17                |        | 2.27                    |              |
| ANNUAL RUNOFF (INCHES)   | 25.95                  |        | 43.03               |        | 30.82                   |              |
| 10 PERCENT EXCEEDS       | 227                    |        | 485                 |        | 300                     |              |
| 50 PERCENT EXCEEDS       | 89                     |        | 113                 |        | 92                      |              |
| 90 PERCENT EXCEEDS       | 39                     |        | 34                  |        | 33                      |              |



## 01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44° 51' 31", long 68° 06' 21", Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the West Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.042 mi<sup>2</sup>. Furnished by U.S. Environmental Protection Agency.

PERIOD OF RECORD.--

DISCHARGE: March 1988 to current year.

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 906.55 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft<sup>3</sup>/s and 0.050 ft<sup>3</sup>/s, which are fair, for flows below 0.050 ft<sup>3</sup>/s, periods of ice effect, Dec. 27-31, Jan. 3-14, Jan. 20 to Feb. 14, Feb. 20 to Mar. 7, periods of doubtful stage-discharge relation, Oct. 14-15, 17-23, Nov. 1, 11-17, Aug. 31, Sept. 16, 22-25, and period of no gage-height record, Apr. 20, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18.6 ft<sup>3</sup>/s, Mar. 9, 1998, gage height, 6.91 ft; no flow for many days in 1988-2003, and 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 29 | 0320 | 3.45                              | 5.91                | Apr 25 | 0630 | 5.96                              | 6.13                |
| Mar 8  | 2305 | 2.76                              | 5.83                | Apr 28 | 1225 | 2.86                              | 5.84                |
| Mar 29 | 0455 | 3.89                              | 5.96                | May 26 | 1710 | 4.94                              | 6.05                |
| Apr 3  | 1340 | *6.30                             | *6.16               |        |      |                                   |                     |

No discharge for many days in July, August, and September.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY   | JUN   | JUL   | AUG    | SEP    |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| 1     | 0.013  | e0.036 | 0.68   | 0.14   | e0.022 | e0.025 | 0.41   | 0.58  | 0.19  | 0.021 | 0.007  | 0.067  |
| 2     | 0.011  | 0.030  | 0.59   | 0.10   | e0.021 | e0.023 | 0.43   | 0.32  | 0.15  | 0.024 | 0.033  | 0.020  |
| 3     | 0.013  | 0.11   | 0.25   | e0.085 | e0.020 | e0.022 | 3.10   | 0.22  | 0.12  | 0.015 | 0.018  | 0.009  |
| 4     | 0.012  | 0.082  | 0.16   | e0.073 | e0.019 | e0.021 | 1.09   | 0.16  | 0.092 | 0.011 | 0.007  | 0.007  |
| 5     | 0.011  | 0.20   | 0.13   | e0.063 | e0.019 | e0.021 | 0.57   | 0.13  | 0.074 | 0.008 | 0.005  | 0.005  |
| 6     | 0.009  | 0.14   | 0.098  | e0.052 | e0.019 | e0.020 | 0.53   | 0.11  | 0.083 | 0.008 | 0.004  | 0.004  |
| 7     | 0.008  | 0.096  | 0.081  | e0.046 | e0.019 | e0.020 | 0.43   | 0.19  | 0.11  | 0.008 | 0.002  | 0.002  |
| 8     | 0.008  | 0.082  | 0.080  | e0.043 | e0.021 | 0.45   | 0.42   | 0.52  | 0.071 | 0.006 | 0.001  | 0.001  |
| 9     | 0.007  | 0.065  | 0.066  | e0.039 | e0.025 | 1.01   | 0.32   | 0.34  | 0.055 | 0.011 | 0.001  | 0.002  |
| 10    | 0.007  | 0.055  | 0.060  | e0.039 | e0.030 | 0.23   | 0.25   | 0.22  | 0.047 | 0.014 | 0.000  | 0.001  |
| 11    | 0.007  | e0.048 | 0.095  | e0.035 | e0.025 | 0.14   | 0.20   | 0.16  | 0.039 | 0.013 | 0.000  | 0.000  |
| 12    | 0.027  | e0.042 | 0.12   | e0.032 | e0.023 | 0.11   | 0.16   | 0.13  | 0.033 | 0.012 | 0.000  | 0.000  |
| 13    | 0.019  | e0.039 | 0.098  | e0.040 | e0.021 | 0.091  | 0.16   | 0.11  | 0.027 | 0.009 | 0.000  | 0.000  |
| 14    | e0.015 | e0.036 | 0.081  | e0.66  | e0.020 | 0.079  | 0.15   | 0.095 | 0.031 | 0.008 | 0.000  | 0.000  |
| 15    | e0.014 | e0.034 | 0.066  | 0.30   | 0.12   | 0.074  | 0.12   | 0.12  | 0.066 | 0.011 | 0.001  | 0.001  |
| 16    | 0.26   | e0.032 | 0.059  | 0.16   | 0.12   | 0.073  | 0.11   | 0.17  | 0.062 | 0.006 | 0.000  | e0.001 |
| 17    | e0.16  | e0.030 | 0.055  | 0.11   | 0.25   | 0.072  | 0.10   | 0.14  | 0.22  | 0.004 | 0.000  | 0.005  |
| 18    | e0.098 | 0.028  | 0.048  | 0.087  | 0.13   | 0.073  | 0.092  | 0.11  | 0.29  | 0.004 | 0.000  | 0.010  |
| 19    | e0.069 | 0.033  | 0.047  | 0.073  | 0.090  | 0.075  | 0.082  | 0.14  | 0.21  | 0.004 | 0.000  | 0.009  |
| 20    | e0.055 | 0.030  | 0.045  | e0.064 | e0.069 | 0.085  | e0.095 | 0.12  | 0.11  | 0.003 | 0.000  | 0.011  |
| 21    | e0.044 | 0.028  | 0.038  | e0.057 | e0.059 | 0.10   | 0.15   | 0.10  | 0.072 | 0.002 | 0.000  | 0.011  |
| 22    | e0.038 | 0.027  | 0.035  | e0.052 | e0.052 | 0.12   | 0.11   | 0.19  | 0.076 | 0.001 | 0.000  | e0.007 |
| 23    | e0.033 | 0.025  | 0.098  | e0.047 | e0.046 | 0.14   | 0.098  | 0.62  | 0.058 | 0.000 | 0.000  | e0.004 |
| 24    | 0.030  | 0.025  | 0.80   | e0.042 | e0.041 | 0.13   | 0.20   | 0.57  | 0.043 | 0.000 | 0.000  | e0.003 |
| 25    | 0.028  | 0.32   | 0.26   | e0.039 | e0.038 | 0.11   | 1.96   | 0.34  | 0.032 | 0.000 | 0.000  | e0.002 |
| 26    | 0.026  | 0.37   | 0.14   | e0.036 | e0.034 | 0.12   | 0.44   | 1.81  | 0.025 | 0.001 | 0.000  | 0.003  |
| 27    | 0.024  | 0.16   | e0.10  | e0.033 | e0.031 | 0.14   | 0.24   | 0.86  | 0.022 | 0.001 | 0.000  | 0.011  |
| 28    | 0.022  | 0.16   | e0.082 | e0.031 | e0.027 | 0.33   | 1.46   | 0.40  | 0.022 | 0.003 | 0.000  | 0.007  |
| 29    | 0.021  | 1.20   | e0.070 | e0.028 | ---    | 2.24   | 0.73   | 0.28  | 0.019 | 0.001 | 0.001  | 0.013  |
| 30    | 0.021  | 0.31   | e0.061 | e0.026 | ---    | 0.80   | 0.37   | 0.26  | 0.021 | 0.000 | 0.005  | 0.036  |
| 31    | 0.043  | ---    | e0.068 | e0.024 | ---    | 0.56   | ---    | 0.24  | ---   | 0.000 | e0.005 | ---    |
| TOTAL | 1.153  | 3.873  | 4.661  | 2.656  | 1.411  | 7.504  | 14.577 | 9.755 | 2.470 | 0.209 | 0.090  | 0.252  |
| MEAN  | 0.04   | 0.13   | 0.15   | 0.09   | 0.05   | 0.24   | 0.49   | 0.31  | 0.08  | 0.01  | 0.00   | 0.01   |
| MAX   | 0.26   | 1.20   | 0.80   | 0.66   | 0.25   | 2.24   | 3.10   | 1.81  | 0.29  | 0.024 | 0.033  | 0.067  |
| MIN   | 0.007  | 0.025  | 0.035  | 0.024  | 0.019  | 0.020  | 0.082  | 0.095 | 0.019 | 0.000 | 0.000  | 0.000  |
| CFSM  | 0.89   | 3.07   | 3.58   | 2.04   | 1.20   | 5.76   | 11.6   | 7.49  | 1.96  | 0.16  | 0.07   | 0.20   |
| IN.   | 1.02   | 3.43   | 4.13   | 2.35   | 1.25   | 6.65   | 12.91  | 8.64  | 2.19  | 0.19  | 0.08   | 0.22   |

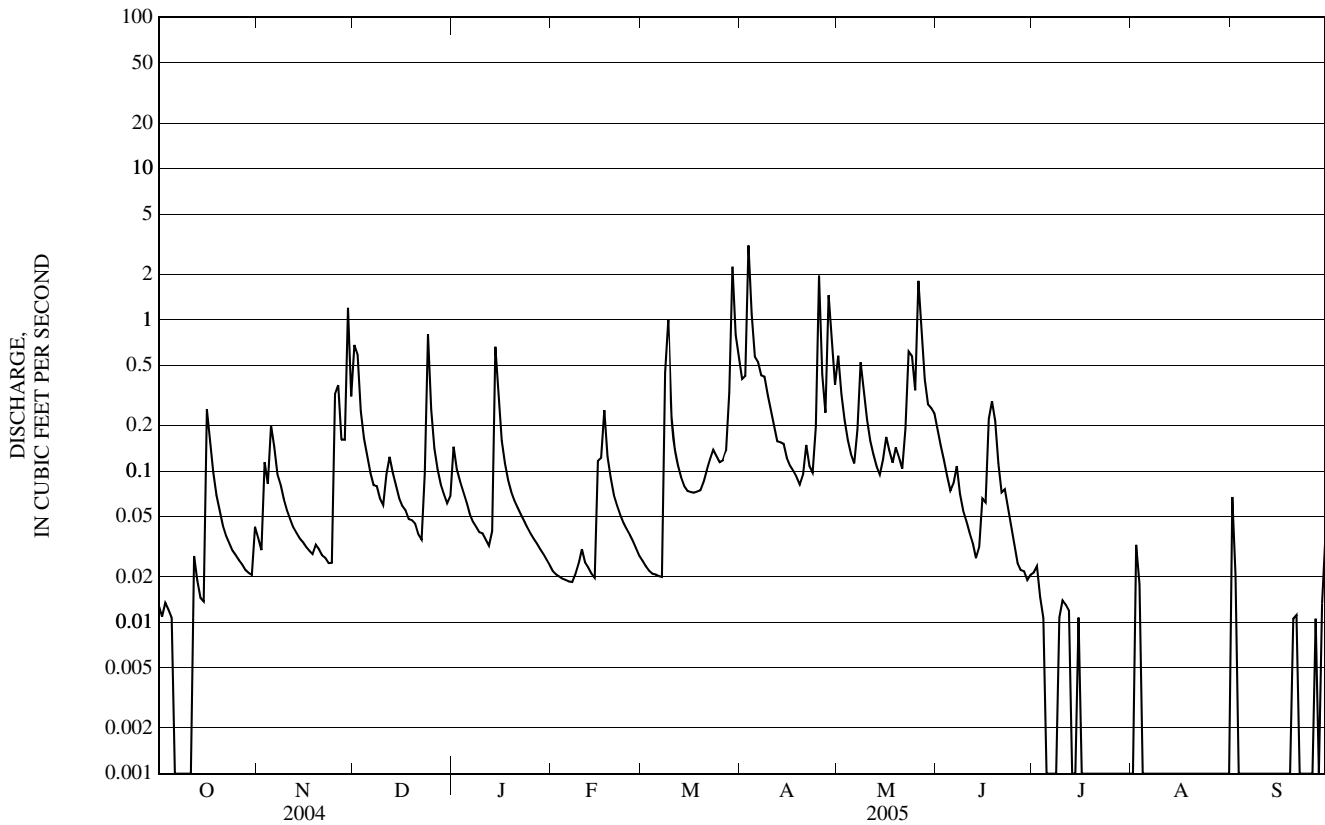
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

| MEAN | 0.08   | 0.16   | 0.15   | 0.12   | 0.08   | 0.21   | 0.26   | 0.16   | 0.06   | 0.02   | 0.01   | 0.02   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 0.29   | 0.34   | 0.39   | 0.37   | 0.22   | 0.49   | 0.49   | 0.49   | 0.18   | 0.25   | 0.09   | 0.07   |
| (WY) | (2004) | (1996) | (1997) | (1996) | (2002) | (1998) | (2005) | (1989) | (1998) | (1996) | (2004) | (1999) |
| MIN  | 0.00   | 0.00   | 0.03   | 0.02   | 0.01   | 0.02   | 0.10   | 0.03   | 0.01   | 0.00   | 0.00   | 0.00   |
| (WY) | (2002) | (2002) | (1990) | (2001) | (2004) | (2001) | (1999) | (2001) | (1988) | (1991) | (1993) | (1993) |

e Estimated

## 01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1988 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 30.808                 |        | 48.611              |        | 0.11                    |              |
| ANNUAL MEAN              | 0.08                   |        | 0.13                |        | 0.17                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 0.06                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 0.00                    |              |
| HIGHEST DAILY MEAN       | 1.20                   | Nov 29 | 3.10                | Apr 3  | 4.95                    | Mar 27, 1988 |
| LOWEST DAILY MEAN        | 0.003                  | Feb 19 | 0.000               | Jul 23 | 0.000                   | Jun 14, 1988 |
| ANNUAL SEVEN-DAY MINIMUM | 0.00                   | Feb 19 | 0.00                | Aug 16 | 0.00                    | Jun 14, 1988 |
| MAXIMUM PEAK FLOW        |                        |        | 6.3                 |        | 19                      |              |
| MAXIMUM PEAK STAGE       |                        |        | 6.16                |        | 6.91                    |              |
| INSTANTANEOUS LOW FLOW   |                        |        | 0.00                |        | 0.00                    |              |
| ANNUAL RUNOFF (CFSM)     | 2.00                   |        | 3.17                |        | 2.67                    |              |
| ANNUAL RUNOFF (INCHES)   | 27.29                  |        | 43.06               |        | 36.26                   |              |
| 10 PERCENT EXCEEDS       | 0.20                   |        | 0.32                |        | 0.26                    |              |
| 50 PERCENT EXCEEDS       | 0.04                   |        | 0.04                |        | 0.04                    |              |
| 90 PERCENT EXCEEDS       | 0.01                   |        | 0.00                |        | 0.00                    |              |



## 01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44° 51' 32", long 68° 06' 22", Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the East Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.040 mi<sup>2</sup>. Furnished by U.S. Environmental Protection Agency.

PERIOD OF RECORD.--

DISCHARGE: March 1988 to current year.

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 912.72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft<sup>3</sup>/s and 0.050 ft<sup>3</sup>/s, which are fair, flows below 0.050 ft<sup>3</sup>/s, periods of ice effect, Dec. 13-22, 27-31, Jan. 18-25, Jan. 27 to Feb. 14, Feb. 20 to Mar. 3, periods of doubtful stage-discharge relation, Oct. 7, 17-21, 23-30, Nov. 2, 8-10, Apr. 28, Aug. 29, and period of no gage-height record, Apr. 20, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16.4 ft<sup>3</sup>/s, Mar. 9, 1998, gage height, 6.75 ft; no flow, Aug. 1 and 2, 1991 Aug. 27 to Sept. 1, 1993, and Aug. 23-27, Aug. 29 to Sept. 10, and Sept. 12-14, 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 29 | 0310 | 2.59                              | 5.81                | Apr 25 | 0645 | 5.72                              | 6.12                |
| Mar 8  | 2335 | 2.98                              | 5.86                | Apr 28 | 1350 | 2.34                              | 5.78                |
| Mar 29 | 0445 | 3.75                              | 5.94                | May 26 | 1710 | 4.58                              | 6.02                |
| Apr 3  | 1500 | *5.76                             | *6.12               |        |      |                                   |                     |

Minimum discharge, 0.001 ft<sup>3</sup>/s, on many days, gage height, 5.03 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY   | JUN   | JUL   | AUG    | SEP   |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|-------|
| 1     | 0.019  | 0.034  | 0.66   | 0.11   | e0.032 | e0.037 | 0.35   | 0.52  | 0.17  | 0.027 | 0.020  | 0.046 |
| 2     | 0.017  | e0.030 | 0.66   | 0.091  | e0.031 | e0.035 | 0.37   | 0.29  | 0.14  | 0.025 | 0.039  | 0.015 |
| 3     | 0.020  | 0.085  | 0.26   | 0.083  | e0.030 | e0.034 | 2.83   | 0.20  | 0.11  | 0.019 | 0.019  | 0.008 |
| 4     | 0.018  | 0.064  | 0.17   | 0.075  | e0.029 | 0.032  | 1.13   | 0.15  | 0.092 | 0.015 | 0.009  | 0.005 |
| 5     | 0.017  | 0.15   | 0.14   | 0.068  | e0.029 | 0.031  | 0.56   | 0.13  | 0.077 | 0.014 | 0.008  | 0.004 |
| 6     | 0.016  | 0.11   | 0.11   | 0.060  | e0.028 | 0.031  | 0.49   | 0.11  | 0.082 | 0.015 | 0.006  | 0.004 |
| 7     | e0.015 | 0.081  | 0.099  | 0.058  | e0.028 | 0.030  | 0.42   | 0.17  | 0.096 | 0.014 | 0.005  | 0.003 |
| 8     | 0.014  | e0.071 | 0.098  | 0.055  | e0.032 | 0.44   | 0.41   | 0.45  | 0.069 | 0.012 | 0.003  | 0.003 |
| 9     | 0.014  | e0.060 | 0.086  | 0.052  | e0.036 | 0.90   | 0.31   | 0.29  | 0.056 | 0.019 | 0.003  | 0.006 |
| 10    | 0.014  | e0.051 | 0.079  | 0.052  | e0.037 | 0.20   | 0.25   | 0.19  | 0.049 | 0.020 | 0.002  | 0.003 |
| 11    | 0.014  | 0.045  | 0.11   | 0.048  | e0.033 | 0.13   | 0.20   | 0.15  | 0.041 | 0.019 | 0.003  | 0.003 |
| 12    | 0.032  | 0.041  | 0.13   | 0.045  | e0.031 | 0.10   | 0.16   | 0.12  | 0.037 | 0.017 | 0.002  | 0.002 |
| 13    | 0.023  | 0.040  | e0.10  | 0.053  | e0.029 | 0.088  | 0.16   | 0.11  | 0.030 | 0.014 | 0.003  | 0.002 |
| 14    | 0.020  | 0.038  | e0.083 | 0.60   | e0.028 | 0.080  | 0.15   | 0.095 | 0.033 | 0.015 | 0.003  | 0.003 |
| 15    | 0.020  | 0.036  | e0.072 | 0.28   | 0.094  | 0.077  | 0.13   | 0.11  | 0.061 | 0.016 | 0.005  | 0.008 |
| 16    | 0.21   | 0.035  | e0.064 | 0.14   | 0.100  | 0.077  | 0.12   | 0.15  | 0.059 | 0.011 | 0.003  | 0.006 |
| 17    | e0.12  | 0.034  | e0.060 | 0.11   | 0.22   | 0.075  | 0.11   | 0.12  | 0.18  | 0.008 | 0.002  | 0.016 |
| 18    | e0.080 | 0.034  | e0.054 | e0.089 | 0.12   | 0.075  | 0.10   | 0.10  | 0.22  | 0.009 | 0.002  | 0.017 |
| 19    | e0.059 | 0.037  | e0.053 | e0.074 | 0.086  | 0.074  | 0.093  | 0.12  | 0.16  | 0.008 | 0.001  | 0.013 |
| 20    | e0.048 | 0.036  | e0.051 | e0.066 | e0.070 | 0.079  | e0.098 | 0.10  | 0.093 | 0.006 | 0.002  | 0.016 |
| 21    | e0.040 | 0.034  | e0.046 | e0.060 | e0.062 | 0.086  | 0.13   | 0.090 | 0.063 | 0.004 | 0.004  | 0.014 |
| 22    | 0.035  | 0.033  | e0.040 | e0.057 | e0.056 | 0.092  | 0.10   | 0.15  | 0.063 | 0.004 | 0.003  | 0.009 |
| 23    | e0.032 | 0.031  | 0.076  | e0.053 | e0.051 | 0.10   | 0.091  | 0.48  | 0.051 | 0.003 | 0.002  | 0.008 |
| 24    | e0.030 | 0.032  | 0.66   | e0.050 | e0.048 | 0.096  | 0.18   | 0.48  | 0.035 | 0.003 | 0.003  | 0.006 |
| 25    | e0.028 | 0.23   | 0.24   | e0.047 | e0.045 | 0.088  | 1.95   | 0.26  | 0.030 | 0.006 | 0.004  | 0.006 |
| 26    | e0.028 | 0.35   | 0.14   | 0.044  | e0.043 | 0.089  | 0.40   | 1.63  | 0.024 | 0.005 | 0.002  | 0.010 |
| 27    | e0.026 | 0.16   | e0.10  | e0.041 | e0.040 | 0.098  | 0.21   | 0.86  | 0.023 | 0.006 | 0.001  | 0.016 |
| 28    | e0.025 | 0.15   | e0.082 | e0.039 | e0.039 | 0.22   | 1.32   | 0.36  | 0.024 | 0.009 | 0.001  | 0.009 |
| 29    | e0.024 | 1.23   | e0.074 | e0.038 | ---    | 2.17   | 0.72   | 0.24  | 0.023 | 0.004 | e0.007 | 0.018 |
| 30    | e0.024 | 0.32   | e0.066 | e0.036 | ---    | 0.73   | 0.34   | 0.23  | 0.026 | 0.003 | 0.017  | 0.036 |
| 31    | 0.039  | ---    | e0.073 | e0.033 | ---    | 0.49   | ---    | 0.21  | ---   | 0.002 | 0.015  | ---   |
| TOTAL | 1.121  | 3.682  | 4.736  | 2.707  | 1.507  | 6.884  | 13.882 | 8.665 | 2.217 | 0.352 | 0.199  | 0.315 |
| MEAN  | 0.04   | 0.12   | 0.15   | 0.09   | 0.05   | 0.22   | 0.46   | 0.28  | 0.07  | 0.01  | 0.01   | 0.01  |
| MAX   | 0.21   | 1.23   | 0.66   | 0.60   | 0.22   | 2.17   | 2.83   | 1.63  | 0.22  | 0.027 | 0.039  | 0.046 |
| MIN   | 0.014  | 0.030  | 0.040  | 0.033  | 0.028  | 0.030  | 0.091  | 0.090 | 0.023 | 0.002 | 0.001  | 0.002 |
| CFSM  | 0.90   | 3.07   | 3.82   | 2.18   | 1.35   | 5.55   | 11.6   | 6.99  | 1.85  | 0.28  | 0.16   | 0.26  |
| IN.   | 1.04   | 3.42   | 4.40   | 2.52   | 1.40   | 6.40   | 12.91  | 8.06  | 2.06  | 0.33  | 0.19   | 0.29  |

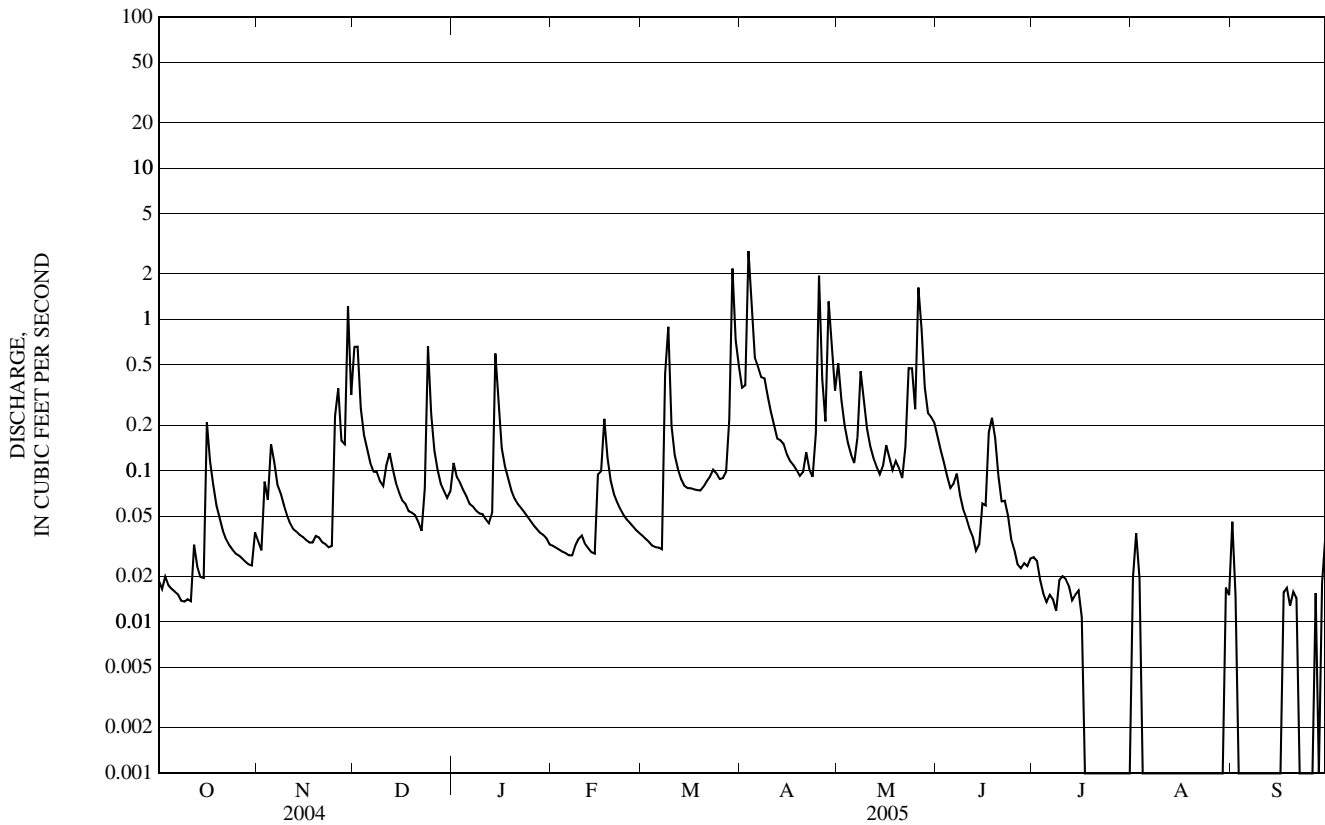
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

| MEAN | 0.08   | 0.15   | 0.15   | 0.11   | 0.08   | 0.20   | 0.26   | 0.15   | 0.06   | 0.03   | 0.01   | 0.02   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 0.28   | 0.32   | 0.38   | 0.32   | 0.23   | 0.51   | 0.47   | 0.51   | 0.14   | 0.22   | 0.08   | 0.08   |
| (WY) | (2004) | (1996) | (1994) | (1996) | (1998) | (1998) | (1993) | (1989) | (1998) | (1996) | (2004) | (1999) |
| MIN  | 0.00   | 0.01   | 0.03   | 0.02   | 0.01   | 0.02   | 0.11   | 0.05   | 0.02   | 0.00   | 0.00   | 0.00   |
| (WY) | (2002) | (2002) | (1990) | (1989) | (2004) | (2001) | (1999) | (2001) | (1988) | (1991) | (1993) | (2000) |

e Estimated

## 01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1988 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 28.684                 |        | 46.267              |        | 0.11                    |              |
| ANNUAL MEAN              | 0.08                   |        | 0.13                |        | 0.15                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 0.06                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 0.06                    |              |
| HIGHEST DAILY MEAN       | 1.23                   | Nov 29 | 2.83                | Apr 3  | 4.25                    | Mar 27, 1988 |
| LOWEST DAILY MEAN        | 0.008                  | Feb 2  | 0.001               | Aug 19 | 0.000                   | Jul 16, 1988 |
| ANNUAL SEVEN-DAY MINIMUM | 0.01                   | Feb 23 | 0.00                | Aug 17 | 0.00                    | Aug 30, 1999 |
| MAXIMUM PEAK FLOW        |                        |        | 5.8                 | Apr 3  | 16                      | Mar 9, 1998  |
| MAXIMUM PEAK STAGE       |                        |        | 6.12                | Apr 3  | 6.75                    | Mar 9, 1998  |
| INSTANTANEOUS LOW FLOW   |                        |        | 0.00                | Jul 24 | 0.00                    | Aug 1, 1991  |
| ANNUAL RUNOFF (CFSM)     | 1.96                   |        | 3.17                |        | 2.73                    |              |
| ANNUAL RUNOFF (INCHES)   | 26.68                  |        | 43.03               |        | 37.16                   |              |
| 10 PERCENT EXCEEDS       | 0.16                   |        | 0.27                |        | 0.24                    |              |
| 50 PERCENT EXCEEDS       | 0.04                   |        | 0.05                |        | 0.05                    |              |
| 90 PERCENT EXCEEDS       | 0.01                   |        | 0.00                |        | 0.00                    |              |



## 01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME

LOCATION.--Lat 44° 44'27", long 68° 00'48", Washington County, Hydrologic Unit 01050002, on left bank 30 ft upstream from State Route 193 highway bridge at Deblois.

DRAINAGE AREA.--96.5 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: September 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 18.34 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 15-16, 18, 21-22, and Dec. 27 to Mar. 13, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,130 ft<sup>3</sup>/s, Apr. 4, 2005, gage height, 5.81 ft; minimum discharge, 14 ft<sup>3</sup>/s, Sept. 10-11, 2002, gage height, 1.37 ft.

REVISIONS.--The maximum discharges for water years 2003-2004, and peak discharges greater than base discharge for water years 2003-2004 have been revised, as shown in the following table. These values supercede those published in the report of those years.

| Water Year | Date          | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Water Year | Date          | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|------------|---------------|--------------------------------|------------------|------------|---------------|--------------------------------|------------------|
| 2003       | Dec. 22, 2002 | 1,310                          | 4.90             | 2004       | Nov. 22, 2003 | 1,240                          | 4.81             |
| 2003       | Mar. 31, 2003 | 1,650                          | 5.31             | 2004       | Dec. 19, 2003 | 996                            | 4.47             |
| 2004       | Oct. 30, 2003 | 1,210                          | 4.77             | 2004       | Dec. 26, 2003 | 1,080                          | 4.59             |

Daily discharge for water year 2003 have been revised, as shown in the following table. These values supercede those published in the report for that year.

Mar. 31, 2003.....1,540

Apr. 1, 2003.....1,430

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) | Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|--------|------|--------------------------------|------------------|
| Mar 9  | ---  | 800 <sup>a</sup>               | ---              | Apr 26 | 1145 | 1,290                          | 4.88             |
| Mar 31 | 0130 | 1,620                          | 5.28             | Apr 29 | 1800 | 1,440                          | 5.07             |
| Apr 4  | 1145 | *2,130                         | *5.81            | May 27 | 1800 | 1,680                          | 5.34             |

Minimum discharge, 26 ft<sup>3</sup>/s, Sept. 13-15, gage height, 1.59 ft.

<sup>a</sup> Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|
| 1     | 45    | 65    | 555   | e184  | e104  | e127   | 1,250  | 1,100  | 606   | 89    | 75    | 64    |
| 2     | 45    | 63    | 681   | e197  | e101  | e132   | 1,010  | 963    | 518   | 90    | 105   | 68    |
| 3     | 50    | 75    | 725   | e206  | e98   | e123   | 1,100  | 801    | 442   | 85    | 129   | 69    |
| 4     | 48    | 79    | 571   | e202  | e100  | e116   | 1,930  | 660    | 384   | 79    | 120   | 62    |
| 5     | 47    | 100   | 437   | e190  | e101  | e111   | 1,730  | 556    | 339   | 74    | 102   | 53    |
| 6     | 43    | 125   | 345   | e181  | e99   | e103   | 1,280  | 480    | 307   | 78    | 88    | 46    |
| 7     | 42    | 135   | 282   | e171  | e96   | e100   | 1,050  | 455    | 321   | 78    | 73    | 41    |
| 8     | 41    | 132   | 262   | e161  | e94   | e152   | 925    | 615    | 348   | 72    | 64    | 37    |
| 9     | 41    | 116   | 240   | e151  | e94   | e800   | 837    | 775    | 326   | 74    | 57    | 38    |
| 10    | 41    | 102   | 217   | e144  | e99   | e759   | 737    | 711    | 287   | 78    | 52    | 35    |
| 11    | 41    | 91    | 222   | e135  | e142  | e667   | 645    | 587    | 252   | 79    | 49    | 31    |
| 12    | 50    | 85    | 237   | e131  | e138  | e610   | 568    | 484    | 224   | 76    | 45    | 29    |
| 13    | 50    | 82    | 246   | e129  | e128  | e539   | 513    | 407    | 202   | 72    | 46    | 28    |
| 14    | 52    | 78    | 238   | e158  | e118  | 457    | 468    | 359    | 183   | 70    | 44    | 27    |
| 15    | 54    | 72    | e204  | e250  | e172  | 374    | 430    | 334    | 197   | 75    | 49    | 30    |
| 16    | 83    | 69    | e186  | e236  | e242  | 314    | 395    | 353    | 214   | 70    | 46    | 38    |
| 17    | 129   | 66    | 165   | e217  | e324  | 282    | 365    | 376    | 241   | 67    | 45    | 42    |
| 18    | 154   | 65    | e156  | e203  | e343  | 265    | 339    | 369    | 310   | 63    | 41    | 47    |
| 19    | 141   | 65    | 146   | e187  | e294  | 248    | 319    | 353    | 333   | 60    | 38    | 48    |
| 20    | 119   | 64    | 145   | e180  | e249  | 239    | 303    | 345    | 297   | 58    | 36    | 50    |
| 21    | 100   | 65    | e134  | e174  | e218  | 244    | 333    | 327    | 246   | 54    | 36    | 50    |
| 22    | 87    | 65    | e127  | e162  | e195  | 254    | 364    | 322    | 211   | 52    | 39    | 46    |
| 23    | 78    | 63    | 124   | e155  | e177  | 262    | 362    | 396    | 179   | 50    | 38    | 44    |
| 24    | 72    | 62    | 270   | e157  | e161  | 281    | 352    | 564    | 154   | 46    | 38    | 40    |
| 25    | 68    | 94    | 393   | e149  | e140  | 278    | 713    | 617    | 138   | 46    | 41    | 36    |
| 26    | 65    | 174   | 375   | e140  | e135  | 273    | 1,230  | 753    | 125   | 48    | 37    | 35    |
| 27    | 63    | 219   | e307  | e129  | e131  | 271    | 1,040  | 1,460  | 113   | 49    | 35    | 44    |
| 28    | 60    | 208   | e255  | e123  | e126  | 295    | 985    | 1,450  | 105   | 61    | 32    | 40    |
| 29    | 56    | 322   | e219  | e118  | ---   | 749    | 1,360  | 1,080  | 100   | 82    | 35    | 40    |
| 30    | 54    | 543   | e202  | e114  | ---   | 1,440  | 1,270  | 829    | 93    | 91    | 51    | 53    |
| 31    | 62    | ---   | e190  | e110  | ---   | 1,470  | ---    | 696    | ---   | 79    | 57    | ---   |
| TOTAL | 2,081 | 3,544 | 8,856 | 5,144 | 4,419 | 12,335 | 24,203 | 19,577 | 7,795 | 2,145 | 1,743 | 1,311 |
| MEAN  | 67.1  | 118   | 286   | 166   | 158   | 398    | 807    | 632    | 260   | 69.2  | 56.2  | 43.7  |
| MAX   | 154   | 543   | 725   | 250   | 343   | 1,470  | 1,930  | 1,460  | 606   | 91    | 129   | 69    |
| MIN   | 41    | 62    | 124   | 110   | 94    | 100    | 303    | 322    | 93    | 46    | 32    | 27    |
| CFSM  | 0.70  | 1.22  | 2.96  | 1.72  | 1.64  | 4.12   | 8.36   | 6.54   | 2.69  | 0.72  | 0.58  | 0.45  |
| IN.   | 0.80  | 1.37  | 3.41  | 1.98  | 1.70  | 4.76   | 9.33   | 7.55   | 3.00  | 0.83  | 0.67  | 0.51  |

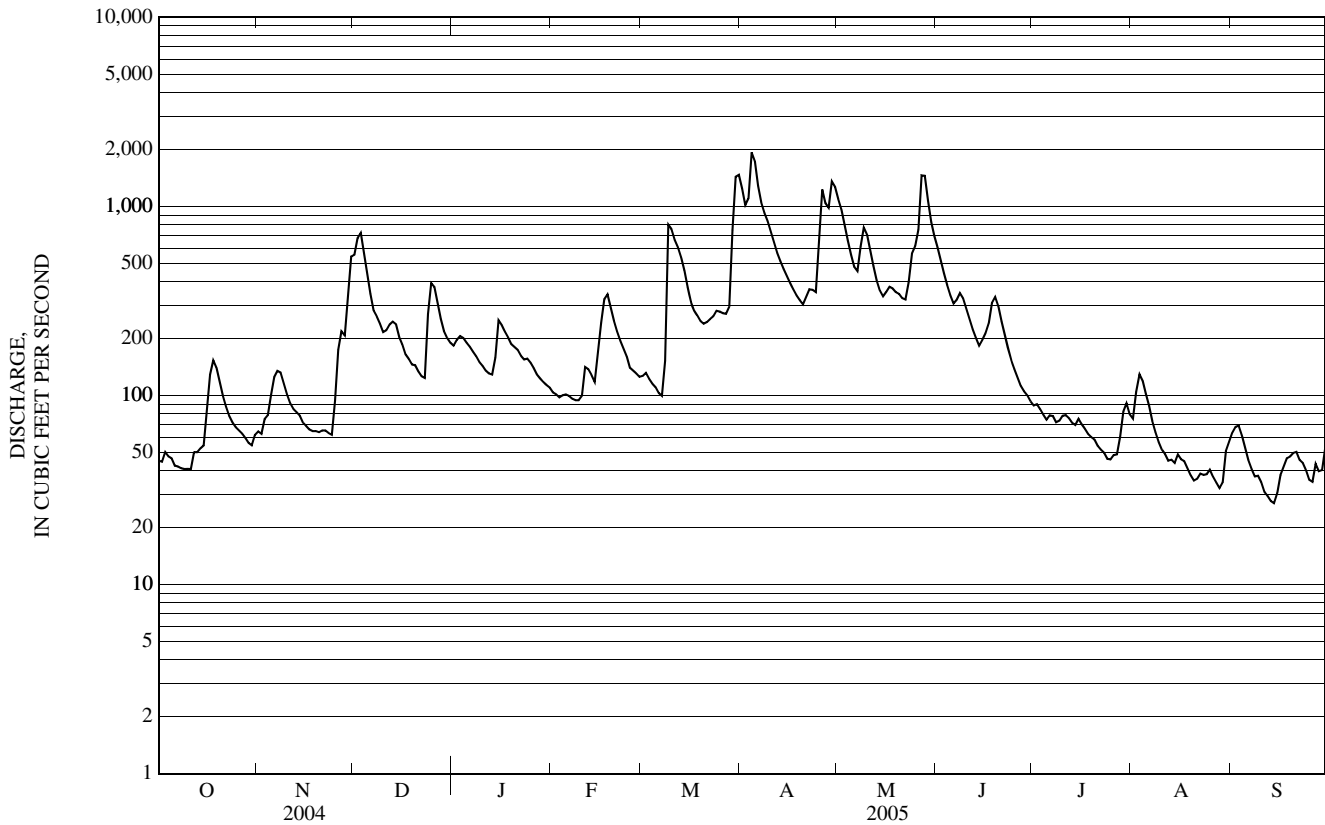
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

|      | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 127    | 249    | 380    | 158    | 114    | 274    | 557    | 370    | 187    | 62.7   | 68.0   | 45.1   |
| MAX  | 277    | 466    | 513    | 186    | 158    | 398    | 807    | 632    | 260    | 76.6   | 112    | 84.8   |
| (WY) | (2004) | (2004) | (2004) | (2004) | (2005) | (2005) | (2005) | (2005) | (2005) | (2004) | (2004) | (2004) |
| MIN  | 35.1   | 118    | 286    | 123    | 70.4   | 111    | 341    | 213    | 98.0   | 42.1   | 36.1   | 21.9   |
| (WY) | (2003) | (2005) | (2005) | (2003) | (2004) | (2004) | (2004) | (2004) | (2004) | (2003) | (2003) | (2002) |

e Estimated

## 01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2002 - 2005 |             |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL             | 53,894                 |        | 93,153              |        | 217                     |             |
| ANNUAL MEAN              | 147                    |        | 255                 |        | 255                     |             |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 183                     |             |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 203                     |             |
| HIGHEST DAILY MEAN       | 734                    | Apr 16 | 1,930               | Apr 4  | 1,930                   | Apr 4, 2005 |
| LOWEST DAILY MEAN        | 41                     | Oct 8  | 27                  | Sep 14 | 15                      | Sep 8, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 42                     | Oct 5  | 31                  | Sep 9  | 16                      | Sep 7, 2002 |
| MAXIMUM PEAK FLOW        |                        |        | 2,130               | Apr 4  | 2,130                   | Apr 4, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 5.81                | Apr 4  | 5.81                    | Apr 4, 2005 |
| INSTANTANEOUS LOW FLOW   |                        |        | 26                  | Sep 13 | 14                      | Sep 9, 2002 |
| ANNUAL RUNOFF (CFSM)     | 1.53                   |        | 2.64                |        | 2.25                    |             |
| ANNUAL RUNOFF (INCHES)   | 20.78                  |        | 35.91               |        | 30.54                   |             |
| 10 PERCENT EXCEEDS       | 306                    |        | 651                 |        | 491                     |             |
| 50 PERCENT EXCEEDS       | 99                     |        | 135                 |        | 124                     |             |
| 90 PERCENT EXCEEDS       | 56                     |        | 44                  |        | 41                      |             |



## 01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44° 36'29", long 67° 56'07", Washington County, Hydrologic Unit 01050002, on left bank 800 ft upstream from railroad bridge at Cherryfield, and 0.7 mi downstream from West Branch of Narraguagus River.

DRAINAGE AREA.--227 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

## PERIOD OF RECORD.--

DISCHARGE: February 1948 to current year.

CHEMICAL ANALYSES: Water years 1954, 1978 to 1986.

SPECIFIC CONDUCTANCE: January 1978 to September 1981.

WATER TEMPERATURE: January 1978 to September 1981.

REVISED RECORDS.--WSP 1301: 1948(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 44.21 ft above National Geodetic Vertical Datum of 1929. Prior to July 1, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 28 to Jan. 13, Jan. 16 to Mar. 8, period of doubtful gage-height record, Feb. 23 to July 26, and periods of no gage-height record, Nov. 26-28, Dec. 1-2, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft<sup>3</sup>/s, May 28, 1961, gage height, 17.40 ft; minimum discharge, 3.0 ft<sup>3</sup>/s, Sept. 2, 4-5, 1978, gage height, 6.41 ft, caused by construction of ice retention dam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Mar 10 | 0230 | 2,290                             | 11.85               | Apr 26 | 0815 | 2,950                             | 12.52               |
| Mar 30 | 0000 | 4,730                             | 14.03               | Apr 29 | 1215 | 3,930                             | 13.39               |
| Apr 4  | 1945 | 4,690                             | 14.00               | May 27 | 1045 | *5,580                            | *14.64              |

Minimum discharge, 52 ft<sup>3</sup>/s, Sept. 14, gage height, 7.33 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV    | DEC    | JAN    | FEB   | MAR    | APR    | MAY    | JUN    | JUL   | AUG   | SEP   |
|-------|-------|--------|--------|--------|-------|--------|--------|--------|--------|-------|-------|-------|
| 1     | 95    | 196    | e1,270 | e449   | e194  | e237   | 3,150  | 2,930  | 1,290  | 181   | 122   | 199   |
| 2     | 95    | 178    | e2,050 | e435   | e187  | e245   | 2,440  | 2,480  | 1,070  | 186   | 198   | 208   |
| 3     | 97    | 224    | 1,720  | e448   | e182  | e237   | 2,700  | 1,910  | 896    | 178   | 299   | 171   |
| 4     | 97    | 272    | 1,370  | e454   | e185  | e224   | 4,390  | 1,480  | 765    | 164   | 269   | 140   |
| 5     | 92    | 391    | 1,000  | e410   | e187  | e211   | 4,330  | 1,170  | 661    | 152   | 216   | 115   |
| 6     | 86    | 475    | 749    | e350   | e185  | e197   | 3,260  | 972    | 589    | 147   | 180   | 97    |
| 7     | 82    | 407    | 593    | e345   | e178  | e191   | 2,380  | 937    | 688    | 151   | 148   | 86    |
| 8     | 81    | 394    | 567    | e320   | e171  | e255   | 1,970  | 1,670  | 696    | 144   | 125   | 77    |
| 9     | 79    | 356    | 534    | e310   | e168  | 1,720  | 1,800  | 1,790  | 626    | 155   | 109   | 71    |
| 10    | 79    | 297    | 477    | e290   | e179  | 2,210  | 1,540  | 1,580  | 545    | 192   | 99    | 69    |
| 11    | 79    | 261    | 560    | e285   | e260  | 2,030  | 1,300  | 1,260  | 481    | 184   | 93    | 63    |
| 12    | 98    | 238    | 676    | e269   | e272  | 1,790  | 1,120  | 1,010  | 426    | 169   | 86    | 60    |
| 13    | 116   | 222    | 649    | e262   | e255  | 1,500  | 1,000  | 818    | 388    | 157   | 87    | 57    |
| 14    | 109   | 212    | 617    | 455    | e232  | 1,210  | 904    | 694    | 355    | 148   | 87    | 54    |
| 15    | 107   | 196    | 481    | 758    | e328  | 958    | 812    | 629    | 459    | 165   | 105   | 60    |
| 16    | 228   | 183    | 405    | e680   | e584  | 812    | 736    | 704    | 523    | 160   | 105   | 94    |
| 17    | 438   | 172    | 399    | e595   | e804  | 744    | 674    | 746    | 563    | 143   | 93    | 110   |
| 18    | 409   | 164    | 333    | e510   | e810  | 690    | 627    | 737    | 686    | 131   | 85    | 141   |
| 19    | 350   | 165    | 343    | e449   | e703  | 666    | 577    | 743    | 711    | 125   | 76    | 132   |
| 20    | 291   | 173    | 331    | e395   | e588  | 678    | 548    | 725    | 614    | 122   | 71    | 121   |
| 21    | 242   | 166    | 285    | e368   | e473  | 727    | 663    | 666    | 500    | 114   | 70    | 117   |
| 22    | 209   | 166    | 261    | e338   | e395  | 765    | 731    | 644    | 418    | 103   | 75    | 105   |
| 23    | 185   | 163    | 292    | e317   | e347  | 823    | 694    | 981    | 370    | 98    | 75    | 93    |
| 24    | 167   | 157    | 709    | e301   | e311  | 834    | 696    | 1,430  | 318    | 91    | 72    | 86    |
| 25    | 154   | 448    | 891    | e283   | e288  | 808    | 1,960  | 1,420  | 283    | 92    | 83    | 77    |
| 26    | 144   | e928   | 787    | e261   | e276  | 799    | 2,860  | 2,580  | 254    | 106   | 86    | 73    |
| 27    | 138   | e760   | 573    | e246   | e260  | 764    | 2,480  | 5,230  | 228    | 105   | 80    | 105   |
| 28    | 134   | e610   | e534   | e231   | e238  | 854    | 2,630  | 4,090  | 214    | 111   | 71    | 107   |
| 29    | 124   | 989    | e470   | e221   | ---   | 3,480  | 3,770  | 2,890  | 204    | 121   | 70    | 99    |
| 30    | 117   | 1,290  | e414   | e212   | ---   | 4,350  | 3,270  | 2,040  | 193    | 139   | 102   | 136   |
| 31    | 157   | ---    | e375   | e203   | ---   | 3,850  | ---    | 1,580  | ---    | 134   | 156   | ---   |
| TOTAL | 4,879 | 10,853 | 20,715 | 11,450 | 9,240 | 34,859 | 56,012 | 48,536 | 16,014 | 4,368 | 3,593 | 3,123 |
| MEAN  | 157   | 362    | 668    | 369    | 330   | 1,124  | 1,867  | 1,566  | 534    | 141   | 116   | 104   |
| MAX   | 438   | 1,290  | 2,050  | 758    | 810   | 4,350  | 4,390  | 5,230  | 1,290  | 192   | 299   | 208   |
| MIN   | 79    | 157    | 261    | 203    | 168   | 191    | 548    | 629    | 193    | 91    | 70    | 54    |
| CFSM  | 0.69  | 1.59   | 2.94   | 1.63   | 1.45  | 4.95   | 8.22   | 6.90   | 2.35   | 0.62  | 0.51  | 0.46  |
| IN.   | 0.80  | 1.78   | 3.39   | 1.88   | 1.51  | 5.71   | 9.18   | 7.95   | 2.62   | 0.72  | 0.59  | 0.51  |

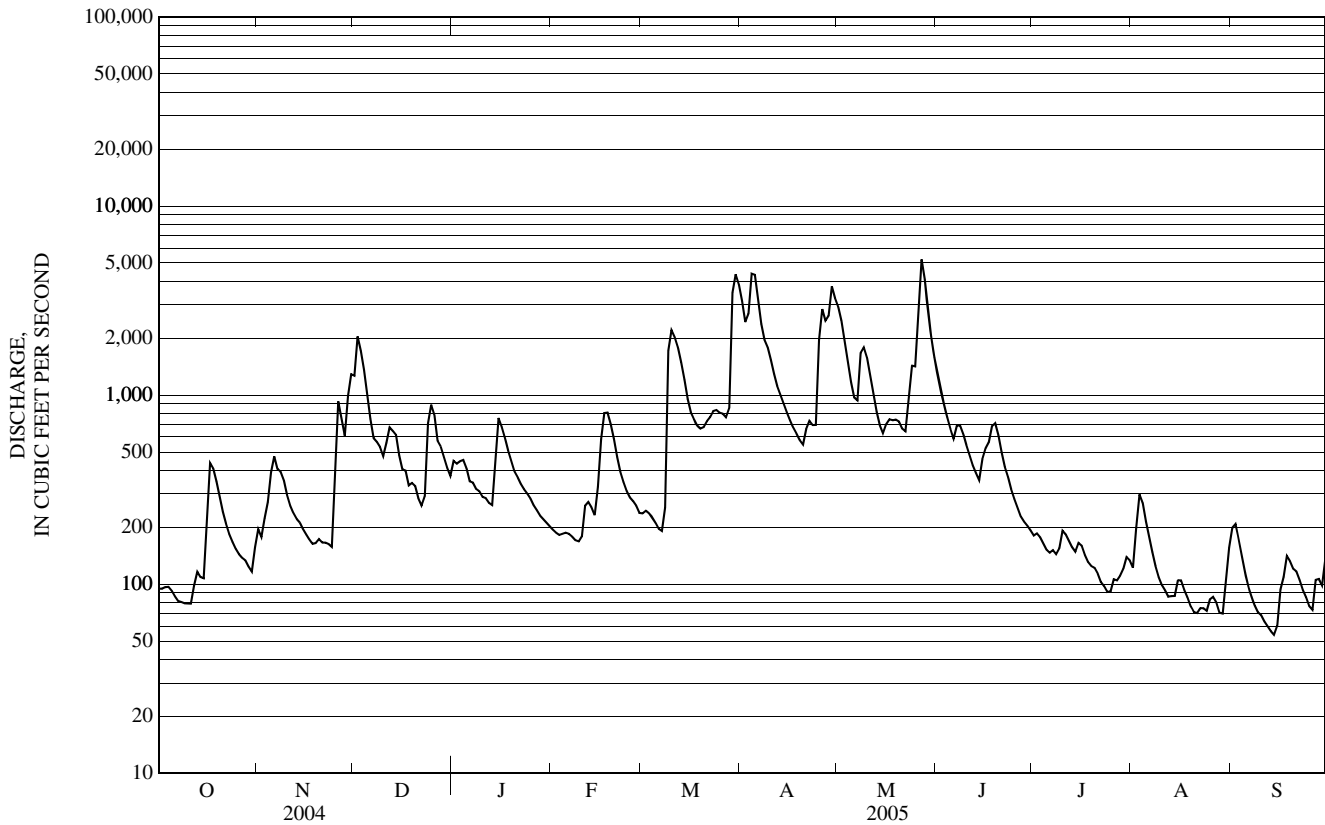
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

| MEAN | 262    | 567    | 642    | 498    | 464    | 737    | 1,207  | 682    | 340    | 187    | 130    | 159    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 1,074  | 1,317  | 1,533  | 1,118  | 1,125  | 1,738  | 1,945  | 1,962  | 877    | 859    | 526    | 947    |
| (WY) | (1978) | (1960) | (1970) | (1958) | (1976) | (1998) | (1982) | (1989) | (1984) | (1996) | (1986) | (1954) |
| MIN  | 34.3   | 55.3   | 87.7   | 112    | 121    | 153    | 473    | 299    | 119    | 47.2   | 28.8   | 32.3   |
| (WY) | (1958) | (2002) | (1956) | (2002) | (1980) | (1967) | (1985) | (1999) | (1964) | (1965) | (1965) | (1968) |

e Estimated

## 01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |       | FOR 2005 WATER YEAR |        | WATER YEARS 1948 - 2005 |              |
|--------------------------|------------------------|-------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 127,172                |       | 223,642             |        | 489                     |              |
| ANNUAL MEAN              | 347                    |       | 613                 |        | 761                     |              |
| HIGHEST ANNUAL MEAN      |                        |       |                     |        | 256                     |              |
| LOWEST ANNUAL MEAN       |                        |       |                     |        | 1973                    |              |
| HIGHEST DAILY MEAN       | 2,050                  | Dec 2 | 5,230               | May 27 | 9,490                   | May 28, 1961 |
| LOWEST DAILY MEAN        | 76                     | Aug 7 | 54                  | Sep 14 | 7.1                     | Sep 5, 1978  |
| ANNUAL SEVEN-DAY MINIMUM | 83                     | Oct 5 | 62                  | Sep 9  | 20                      | Sep 15, 2001 |
| MAXIMUM PEAK FLOW        |                        |       | 5,580               | May 27 | 10,400                  | May 28, 1961 |
| MAXIMUM PEAK STAGE       |                        |       | 14.64               | May 27 | 17.40                   | May 28, 1961 |
| INSTANTANEOUS LOW FLOW   |                        |       | 52                  | Sep 14 | 3.0                     | Sep 2, 1978  |
| ANNUAL RUNOFF (CFSM)     | 1.53                   |       | 2.70                |        | 2.16                    |              |
| ANNUAL RUNOFF (INCHES)   | 20.84                  |       | 36.65               |        | 29.29                   |              |
| 10 PERCENT EXCEEDS       | 739                    |       | 1,560               |        | 1,140                   |              |
| 50 PERCENT EXCEEDS       | 222                    |       | 292                 |        | 297                     |              |
| 90 PERCENT EXCEEDS       | 112                    |       | 93                  |        | 72                      |              |







Acoustic Doppler Current Profiler (ADCP) measurement  
Narraguagus River at Cherryfield, Maine (01022500)  
May 2005

## 01022835 CADILLAC BROOK NEAR BAR HARBOR, ME

LOCATION.--Lat 44° 20'39", long 68° 13'01", Hancock County, Hydrologic Unit 01050002, on right bank 500 ft upstream from confluence with Otter Creek, and 0.5 mi southeast of Cadillac Mountain.

DRAINAGE AREA.--0.123 mi<sup>2</sup>. Furnished by University of Maine

PERIOD OF RECORD.--

DISCHARGE: May 1999 to current year.

REVISED RECORDS.--WDR ME-01-1: Gage datum.

GAGE.--Water-stage recorder. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Dec. 27, Feb. 10, 20-22, period of doubtful stage-discharge relation, Oct. 20-27, and period of no gage-height record, Jan. 6-30. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft<sup>3</sup>/s, Oct. 27, 2003 and May 26, 2005, from rating curve extended above 15 ft<sup>3</sup>/s, gage height, 2.03 ft; no flow for many days in 1999-2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 5  | 0650 | 22 <sup>a</sup>                   | 1.86                | Apr 25 | 0310 | 19 <sup>a</sup>                   | 1.83                |
| Nov 25 | 0555 | 22 <sup>a</sup>                   | 1.85                | Apr 28 | 0335 | 40 <sup>a</sup>                   | 1.99                |
| Nov 29 | 0340 | 12                                | 1.74                | May 1  | 0155 | 15                                | 1.78                |
| Mar 8  | 2220 | 30 <sup>a</sup>                   | 1.92                | May 23 | 0950 | 26 <sup>a</sup>                   | 1.89                |
| Mar 29 | 0455 | 35 <sup>a</sup>                   | 1.96                | May 26 | 1300 | *47 <sup>a</sup>                  | *2.03               |
| Apr 3  | 1330 | 15                                | 1.78                |        |      |                                   |                     |

No flow for many days in July, August, and September.

<sup>a</sup> From rating curve extended above 15 ft<sup>3</sup>/s

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN    | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 0.01  | 0.28  | 2.1   | 0.40   | 0.005 | 0.01  | 0.79  | 3.7   | 0.15  | 0.008 | 0.000 | 0.51  |
| 2     | 0.01  | 0.12  | 0.97  | 0.20   | 0.005 | 0.01  | 3.1   | 0.56  | 0.11  | 0.007 | 0.000 | 0.13  |
| 3     | 0.01  | 1.2   | 0.29  | 0.86   | 0.005 | 0.01  | 7.2   | 0.26  | 0.08  | 0.004 | 0.000 | 0.02  |
| 4     | 0.01  | 0.32  | 0.16  | 0.38   | 0.005 | 0.01  | 2.2   | 0.16  | 0.06  | 0.003 | 0.000 | 0.005 |
| 5     | 0.01  | 4.0   | 0.12  | 0.16   | 0.006 | 0.01  | 0.99  | 0.11  | 0.05  | 0.002 | 0.000 | 0.002 |
| 6     | 0.007 | 0.52  | 0.08  | e0.09  | 0.007 | 0.01  | 0.86  | 0.08  | 0.04  | 0.003 | 0.000 | 0.001 |
| 7     | 0.007 | 0.23  | 0.06  | e0.05  | 0.007 | 0.01  | 0.69  | 0.92  | 0.04  | 0.003 | 0.000 | 0.000 |
| 8     | 0.006 | 0.34  | 0.82  | e0.04  | 0.007 | 3.3   | 0.80  | 3.5   | 0.04  | 0.002 | 0.000 | 0.000 |
| 9     | 0.006 | 0.20  | 0.35  | e0.04  | 0.02  | 4.3   | 0.51  | 0.82  | 0.03  | 0.03  | 0.000 | 0.000 |
| 10    | 0.005 | 0.11  | 0.17  | e0.03  | e0.09 | 0.42  | 0.35  | 0.33  | 0.02  | 0.07  | 0.000 | 0.000 |
| 11    | 0.006 | 0.09  | 2.8   | e0.03  | 0.05  | 0.19  | 0.28  | 0.19  | 0.02  | 0.02  | 0.000 | 0.000 |
| 12    | 0.03  | 0.08  | 0.69  | e0.03  | 0.03  | 0.11  | 0.19  | 0.13  | 0.01  | 0.008 | 0.000 | 0.000 |
| 13    | 0.04  | 0.07  | 0.46  | e0.07  | 0.03  | 0.09  | 0.15  | 0.10  | 0.010 | 0.005 | 0.000 | 0.000 |
| 14    | 0.03  | 0.06  | 0.34  | e4.8   | 0.02  | 0.08  | 0.13  | 0.07  | 0.02  | 0.004 | 0.000 | 0.000 |
| 15    | 0.04  | 0.06  | 0.12  | e1.6   | 0.83  | 0.08  | 0.11  | 0.06  | 1.4   | 0.002 | 0.000 | 0.000 |
| 16    | 1.8   | 0.06  | 0.07  | e0.79  | 1.2   | 0.10  | 0.10  | 0.09  | 1.3   | 0.002 | 0.000 | 0.000 |
| 17    | 0.61  | 0.05  | 0.06  | e0.32  | 1.8   | 0.11  | 0.10  | 0.12  | 1.4   | 0.001 | 0.000 | 0.54  |
| 18    | 0.27  | 0.05  | 0.05  | e0.07  | 0.36  | 0.14  | 0.12  | 0.12  | 0.75  | 0.001 | 0.000 | 0.34  |
| 19    | 0.12  | 0.17  | 0.04  | e0.04  | 0.17  | 0.20  | 0.11  | 0.17  | 0.32  | 0.001 | 0.000 | 0.10  |
| 20    | e0.08 | 0.17  | 0.03  | e0.02  | e0.10 | 0.33  | 0.12  | 0.16  | 0.14  | 0.001 | 0.000 | 0.05  |
| 21    | e0.06 | 0.10  | 0.03  | e0.01  | e0.07 | 0.43  | 0.65  | 0.11  | 0.07  | 0.001 | 0.000 | 0.03  |
| 22    | e0.05 | 0.08  | 0.02  | e0.01  | e0.04 | 0.47  | 0.28  | 1.1   | 0.06  | 0.000 | 0.000 | 0.01  |
| 23    | e0.04 | 0.07  | 0.04  | e0.009 | 0.03  | 0.55  | 0.19  | 6.0   | 0.05  | 0.000 | 0.000 | 0.009 |
| 24    | e0.04 | 0.09  | 2.0   | e0.008 | 0.03  | 0.39  | 2.0   | 1.3   | 0.03  | 0.000 | 0.000 | 0.006 |
| 25    | e0.03 | 5.3   | 0.27  | e0.008 | 0.02  | 0.31  | 5.6   | 3.3   | 0.02  | 0.000 | 0.000 | 0.004 |
| 26    | e0.03 | 1.5   | 0.09  | e0.008 | 0.02  | 0.35  | 0.53  | 15    | 0.01  | 0.000 | 0.000 | 0.02  |
| 27    | e0.03 | 0.32  | e0.05 | e0.007 | 0.02  | 0.46  | 0.71  | 2.1   | 0.01  | 0.000 | 0.000 | 1.6   |
| 28    | 0.05  | 0.19  | 0.03  | e0.007 | 0.01  | 3.9   | 13    | 0.55  | 0.01  | 0.000 | 0.000 | 0.19  |
| 29    | 0.04  | 2.7   | 0.03  | e0.007 | ---   | 9.8   | 1.3   | 0.30  | 0.008 | 0.000 | 0.000 | 0.10  |
| 30    | 0.04  | 0.42  | 0.02  | e0.006 | ---   | 2.0   | 0.97  | 0.24  | 0.007 | 0.000 | 0.000 | 0.26  |
| 31    | 0.98  | ---   | 0.02  | 0.006  | ---   | 1.2   | ---   | 0.20  | ---   | 0.000 | 0.03  | ---   |
| TOTAL | 4.497 | 18.95 | 12.38 | 10.106 | 4.987 | 29.38 | 44.13 | 41.85 | 6.265 | 0.178 | 0.030 | 3.927 |
| MEAN  | 0.15  | 0.63  | 0.40  | 0.33   | 0.18  | 0.95  | 1.47  | 1.35  | 0.21  | 0.01  | 0.00  | 0.13  |
| MAX   | 1.8   | 5.3   | 2.8   | 4.8    | 1.8   | 9.8   | 13    | 15    | 1.4   | 0.07  | 0.03  | 1.6   |
| MIN   | 0.005 | 0.05  | 0.02  | 0.006  | 0.005 | 0.01  | 0.10  | 0.06  | 0.007 | 0.000 | 0.000 | 0.000 |

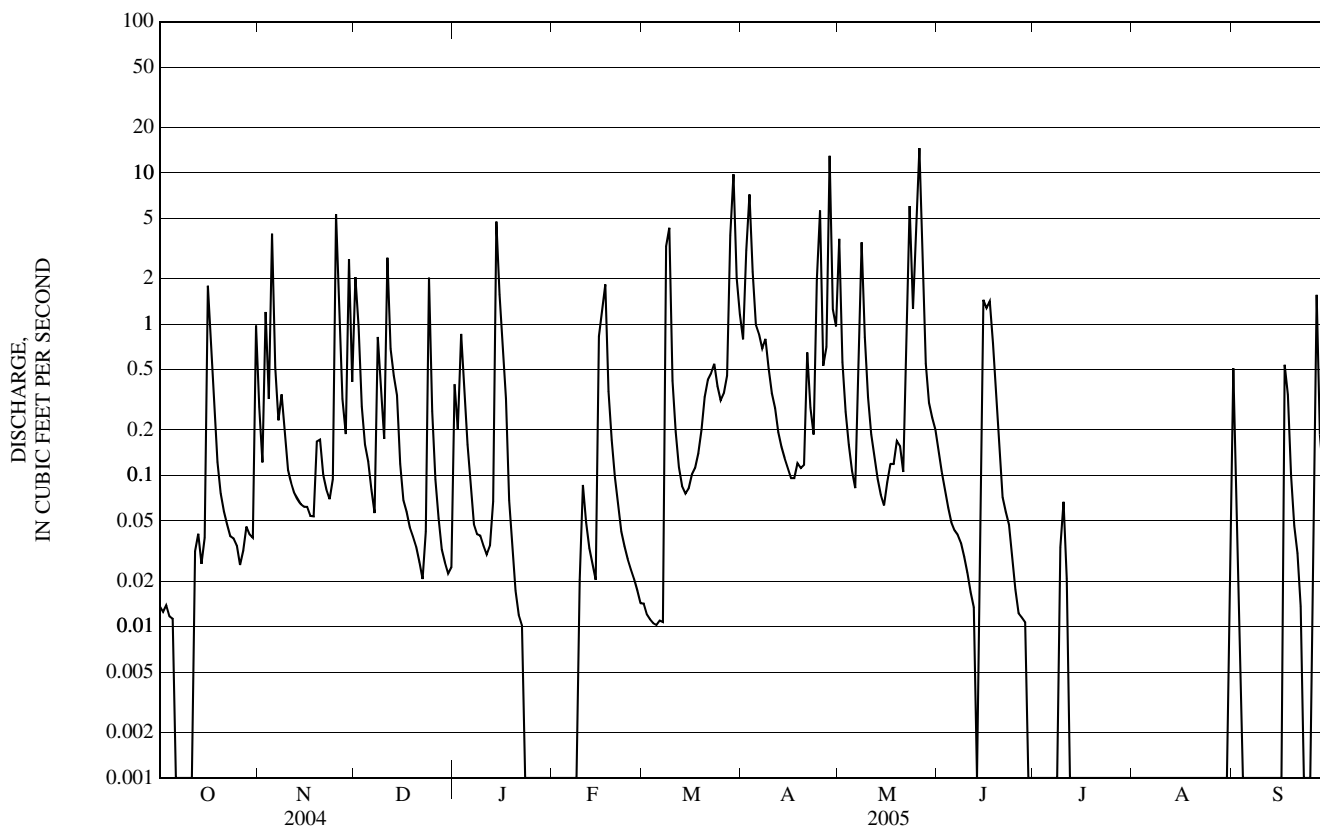
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

| MEAN | 0.37   | 0.51   | 0.46   | 0.15   | 0.28   | 0.66   | 0.76   | 0.44   | 0.14   | 0.04   | 0.05   | 0.17   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 0.89   | 0.66   | 0.65   | 0.33   | 0.56   | 1.14   | 1.47   | 1.35   | 0.33   | 0.11   | 0.34   | 0.56   |
| (WY) | (2004) | (2003) | (2004) | (2005) | (2002) | (2003) | (2005) | (2005) | (2003) | (2000) | (2004) | (1999) |
| MIN  | 0.07   | 0.21   | 0.33   | 0.05   | 0.00   | 0.31   | 0.46   | 0.07   | 0.02   | 0.00   | 0.00   | 0.01   |
| (WY) | (2002) | (2002) | (2002) | (2003) | (2004) | (2004) | (2003) | (2001) | (1999) | (1999) | (2002) | (2001) |

e Estimated

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1999 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 90.627                 |        | 176.680             |        | 0.33                    |              |
| ANNUAL MEAN              | 0.25                   |        | 0.48                |        | 0.48                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 0.27                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 0.000                   |              |
| HIGHEST DAILY MEAN       | 5.3                    | Nov 25 | 15                  | May 26 | 15                      | May 26, 2005 |
| LOWEST DAILY MEAN        | 0.000                  | Feb 7  | 0.000               | Jul 22 | 0.000                   | Jul 12, 1999 |
| ANNUAL SEVEN-DAY MINIMUM | 0.00                   | Feb 19 | 0.00                | Jul 22 | 0.00                    | Jul 15, 1999 |
| MAXIMUM PEAK FLOW        |                        |        | 47                  | May 26 | 47                      | Oct 27, 2003 |
| MAXIMUM PEAK STAGE       |                        |        | 2.03                | May 26 | 2.03                    | Oct 27, 2003 |
| INSTANTANEOUS LOW FLOW   |                        |        | 0.00                | Jul 17 | 0.00                    | Jul 7, 1999  |
| 10 PERCENT EXCEEDS       | 0.57                   |        | 1.2                 |        | 0.80                    |              |
| 50 PERCENT EXCEEDS       | 0.05                   |        | 0.05                |        | 0.07                    |              |
| 90 PERCENT EXCEEDS       | 0.00                   |        | 0.00                |        | 0.00                    |              |



## 01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME

LOCATION.--Lat 44° 19'50", long 68° 16'58", Hancock County, Hydrologic Unit 01050002, on right bank 300 ft upstream from carriage road in Acadia National Park, and 0.3 mi northwest of Cedar Swamp Mountain.

DRAINAGE AREA.--0.182 mi<sup>2</sup>. Furnished by the University of Maine.

PERIOD OF RECORD.--

DISCHARGE: April 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 570 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Dec. 15-23, 25-31, Jan. 5-12, Jan. 14 to Feb. 14, Feb. 18 to Mar. 10, and periods of no gage-height record, Jan. 26-29, June 23-25, July 15-16, 20-21. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 168 ft<sup>3</sup>/s, Aug. 14, 2004, from rating curve extended above 9.8 ft<sup>3</sup>/s, gage height, 5.04 ft; maximum gage height, 5.05 ft (backwater from ice), Mar. 8, 2005; no flow for many days in 1999, 2001-2002, 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 5  | 0625 | 39 <sup>a</sup>                   | 4.55                | Apr 3  | 1300 | 27                                | 4.76                |
| Nov 25 | 0520 | 63 <sup>a</sup>                   | 4.69                | Apr 25 | 0325 | 27                                | 4.75                |
| Nov 29 | 0250 | 29 <sup>a</sup>                   | 4.47                | Apr 28 | 0855 | *68 <sup>a</sup>                  | 5.03                |
| Dec 1  | 1805 | 27                                | 4.46                | May 1  | 0125 | 20                                | 4.55                |
| Mar 8  | 2130 | Ice Jam                           | *5.05               | May 23 | 1035 | 22                                | 4.61                |
| Mar 28 | 2150 | 65 <sup>a</sup>                   | 4.92                | May 26 | 1250 | 42 <sup>a</sup>                   | 4.89                |

Minimum discharge, 0.001 ft<sup>3</sup>/s, Aug. 13, gage height, 3.62 ft.

<sup>a</sup> From rating curve extended above 29 ft<sup>3</sup>/s

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT  | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 0.06 | 0.48  | 4.5   | 0.87  | e0.07 | e0.09 | 1.4   | 5.5   | 0.25  | 0.05  | 0.008 | 1.5   |
| 2     | 0.06 | 0.32  | 2.1   | 0.50  | e0.07 | e0.09 | 4.5   | 1.1   | 0.20  | 0.05  | 0.008 | 0.26  |
| 3     | 0.06 | 2.0   | 0.75  | 2.0   | e0.06 | e0.08 | 15    | 0.54  | 0.17  | 0.04  | 0.006 | 0.11  |
| 4     | 0.06 | 0.66  | 0.50  | 0.83  | e0.06 | e0.08 | 3.8   | 0.37  | 0.14  | 0.03  | 0.004 | 0.06  |
| 5     | 0.06 | 6.7   | 0.42  | e0.48 | e0.06 | e0.07 | 2.1   | 0.26  | 0.12  | 0.03  | 0.005 | 0.04  |
| 6     | 0.05 | 1.1   | 0.32  | e0.35 | e0.06 | e0.07 | 1.8   | 0.20  | 0.11  | 0.03  | 0.005 | 0.03  |
| 7     | 0.05 | 0.57  | 0.27  | e0.28 | e0.06 | e0.07 | 1.6   | 1.8   | 0.12  | 0.03  | 0.003 | 0.02  |
| 8     | 0.04 | 0.65  | 1.0   | e0.21 | e0.07 | e1.1  | 1.9   | 4.7   | 0.09  | 0.02  | 0.002 | 0.02  |
| 9     | 0.04 | 0.47  | 0.65  | e0.19 | e0.10 | e9.8  | 1.1   | 1.4   | 0.08  | 0.13  | 0.002 | 0.02  |
| 10    | 0.04 | 0.36  | 0.45  | e0.17 | e0.15 | e3.9  | 0.82  | 0.60  | 0.07  | 0.10  | 0.002 | 0.02  |
| 11    | 0.05 | 0.31  | 2.7   | e0.16 | e0.13 | 0.60  | 0.62  | 0.38  | 0.06  | 0.06  | 0.002 | 0.01  |
| 12    | 0.29 | 0.28  | 1.4   | e0.15 | e0.09 | 0.37  | 0.43  | 0.29  | 0.06  | 0.04  | 0.001 | 0.01  |
| 13    | 0.18 | 0.25  | 0.83  | 0.24  | e0.08 | 0.29  | 0.35  | 0.22  | 0.05  | 0.04  | 0.02  | 0.010 |
| 14    | 0.11 | 0.21  | 0.68  | e6.5  | e0.08 | 0.25  | 0.34  | 0.18  | 0.06  | 0.04  | 0.007 | 0.01  |
| 15    | 0.09 | 0.19  | e0.46 | e1.8  | 2.4   | 0.22  | 0.30  | 0.17  | 0.62  | e0.04 | 0.05  | 0.06  |
| 16    | 2.4  | 0.18  | e0.36 | e1.0  | 1.9   | 0.21  | 0.28  | 0.19  | 0.78  | e0.03 | 0.01  | 0.05  |
| 17    | 0.80 | 0.17  | e0.29 | e0.51 | 2.9   | 0.20  | 0.30  | 0.19  | 0.97  | 0.02  | 0.007 | 0.84  |
| 18    | 0.45 | 0.16  | e0.24 | e0.28 | e0.94 | 0.21  | 0.34  | 0.17  | 0.56  | 0.02  | 0.005 | 0.46  |
| 19    | 0.30 | 0.30  | e0.21 | e0.24 | e0.57 | 0.25  | 0.30  | 0.16  | 0.33  | 0.02  | 0.004 | 0.20  |
| 20    | 0.26 | 0.32  | e0.18 | e0.21 | e0.42 | 0.34  | 0.30  | 0.16  | 0.21  | e0.02 | 0.005 | 0.13  |
| 21    | 0.22 | 0.27  | e0.16 | e0.18 | e0.30 | 0.45  | 1.1   | 0.14  | 0.15  | e0.02 | 0.007 | 0.12  |
| 22    | 0.18 | 0.25  | e0.15 | e0.16 | e0.24 | 0.54  | 0.47  | 1.6   | 0.14  | 0.02  | 0.006 | 0.08  |
| 23    | 0.15 | 0.20  | e0.17 | e0.14 | e0.19 | 0.57  | 0.37  | 7.1   | e0.11 | 0.01  | 0.003 | 0.06  |
| 24    | 0.13 | 0.34  | 3.2   | e0.12 | e0.16 | 0.49  | 2.0   | 1.7   | e0.09 | 0.01  | 0.003 | 0.04  |
| 25    | 0.11 | 12    | e0.78 | e0.11 | e0.14 | 0.46  | 9.2   | 3.5   | e0.07 | 0.03  | 0.004 | 0.03  |
| 26    | 0.10 | 3.6   | e0.38 | e0.10 | e0.12 | 0.54  | 1.0   | 18    | 0.05  | 0.02  | 0.002 | 0.08  |
| 27    | 0.10 | 0.84  | e0.29 | e0.10 | e0.11 | 0.52  | 1.2   | 3.2   | 0.05  | 0.02  | 0.001 | 1.9   |
| 28    | 0.10 | 0.55  | e0.24 | e0.09 | e0.10 | 7.1   | 23    | 0.98  | 0.05  | 0.01  | 0.002 | 0.31  |
| 29    | 0.10 | 5.4   | e0.19 | e0.08 | ---   | 20    | 2.0   | 0.57  | 0.05  | 0.009 | 0.02  | 0.22  |
| 30    | 0.09 | 1.0   | e0.17 | e0.08 | ---   | 3.7   | 1.3   | 0.41  | 0.04  | 0.007 | 0.28  | 0.33  |
| 31    | 0.97 | ---   | e0.16 | e0.07 | ---   | 2.2   | ---   | 0.32  | ---   | 0.005 | 0.29  | ---   |
| TOTAL | 7.70 | 40.13 | 24.20 | 18.20 | 11.63 | 64.76 | 79.22 | 56.10 | 5.85  | 1.001 | 0.774 | 7.030 |
| MEAN  | 0.25 | 1.34  | 0.78  | 0.59  | 0.42  | 2.09  | 2.64  | 1.81  | 0.20  | 0.03  | 0.02  | 0.23  |
| MAX   | 2.4  | 12    | 4.5   | 6.5   | 2.9   | 20    | 23    | 18    | 0.97  | 0.13  | 0.29  | 1.9   |
| MIN   | 0.04 | 0.16  | 0.15  | 0.07  | 0.06  | 0.07  | 0.28  | 0.14  | 0.04  | 0.005 | 0.001 | 0.01  |

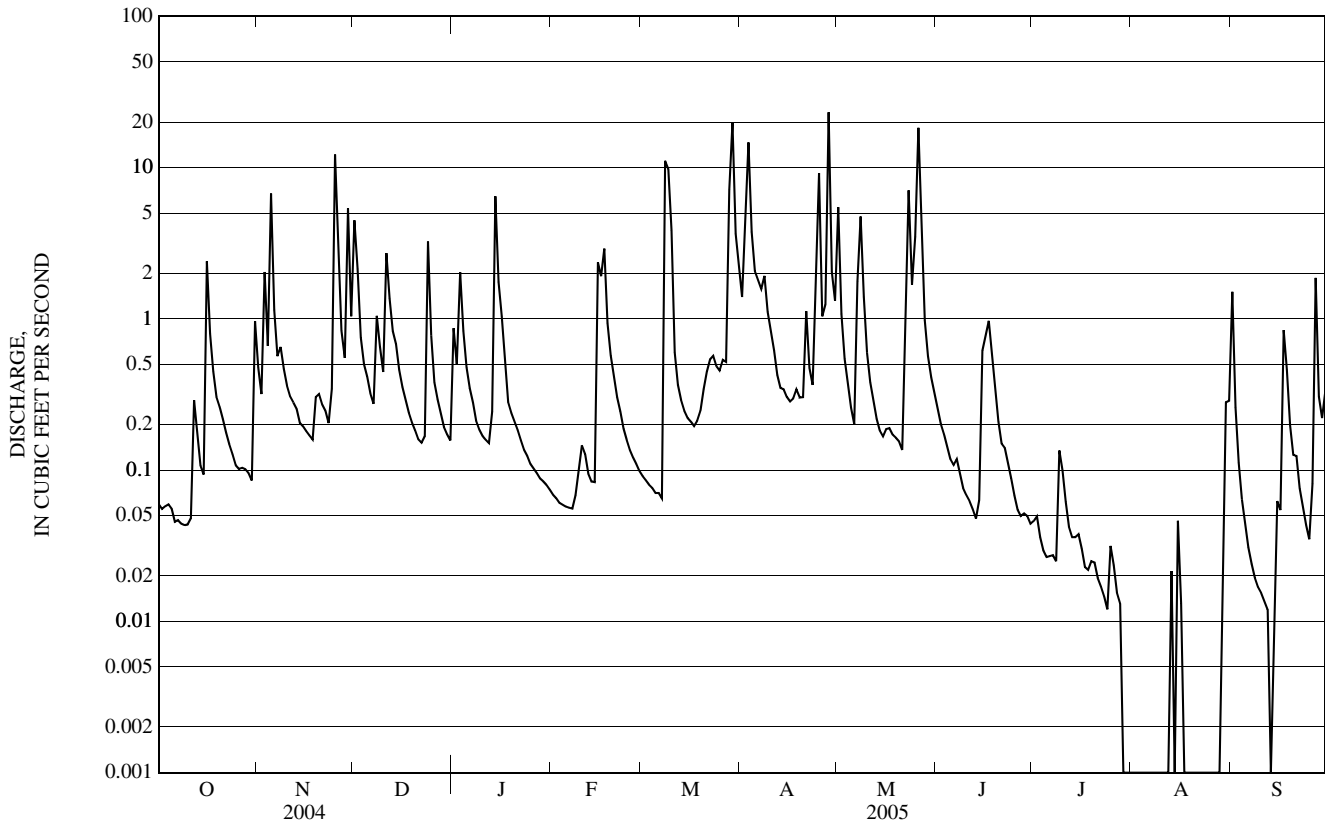
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 0.51   | 0.87   | 0.82   | 0.29   | 0.49   | 1.20   | 1.38   | 0.61   | 0.22   | 0.08   | 0.15   | 0.25   |
| MAX  | 1.28   | 1.34   | 1.27   | 0.59   | 0.86   | 2.09   | 2.64   | 1.81   | 0.45   | 0.17   | 0.88   | 0.76   |
| (WY) | (2004) | (2005) | (2004) | (2005) | (2000) | (2005) | (2005) | (2005) | (2001) | (2004) | (2004) | (1999) |
| MIN  | 0.08   | 0.20   | 0.49   | 0.07   | 0.01   | 0.34   | 0.77   | 0.19   | 0.04   | 0.01   | 0.00   | 0.02   |
| (WY) | (2002) | (2002) | (2002) | (2001) | (2004) | (2004) | (2003) | (2001) | (1999) | (1999) | (1999) | (2001) |

e Estimated

01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1999 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 193.433                |        | 316.595             |        | 0.57                    |              |
| ANNUAL MEAN              | 0.53                   |        | 0.87                |        | 0.87                    |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 0.40                    |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 23                      |              |
| HIGHEST DAILY MEAN       | 15                     | Aug 14 | 23                  | Apr 28 | 23                      | Apr 28, 2005 |
| LOWEST DAILY MEAN        | 0.001                  | Feb 20 | 0.001               | Aug 12 | 0.000                   | Aug 3, 1999  |
| ANNUAL SEVEN-DAY MINIMUM | 0.00                   | Feb 20 | 0.00                | Aug 6  | 0.00                    | Aug 30, 1999 |
| MAXIMUM PEAK FLOW        |                        |        | 68                  | Apr 28 | 168                     | Aug 14, 2004 |
| MAXIMUM PEAK STAGE       |                        |        | 5.05                | Mar 8  | 5.05                    | Mar 8, 2005  |
| INSTANTANEOUS LOW FLOW   |                        |        | 0.00                | Aug 13 | 0.00                    | Jul 28, 1999 |
| 10 PERCENT EXCEEDS       | 0.97                   |        | 1.9                 |        | 1.4                     |              |
| 50 PERCENT EXCEEDS       | 0.18                   |        | 0.19                |        | 0.16                    |              |
| 90 PERCENT EXCEEDS       | 0.02                   |        | 0.02                |        | 0.01                    |              |



## 01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME

LOCATION.--Lat 45° 56'07", long 69° 59'37", Somerset County, Hydrologic Unit 01020001, on left bank, and 500 ft upstream of Leadbetter Falls.

DRAINAGE AREA.--232 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: September 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,086.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 11-24, Dec. 1-24 and Jan. 1 to Apr. 15, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,410 ft<sup>3</sup>/s, Apr. 25, 2005, gage height, 9.32 ft; maximum gage height, 12.14 ft, Apr. 8, 2005 (backwater from ice); minimum discharge, 5.6 ft<sup>3</sup>/s, Sept. 10-11, 2002, gage height, 3.29 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Apr 8  | 1430 | Ice Jam                           | *12.14              | Apr 25 | 1700 | *8,410                            | 9.32                |
| Apr 20 | 2330 | 4,320                             | 7.81                |        |      |                                   |                     |

Minimum discharge, 25 ft<sup>3</sup>/s, Aug. 29, gage height, 3.69 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV    | DEC    | JAN   | FEB   | MAR   | APR    | MAY    | JUN    | JUL   | AUG   | SEP   |
|-------|-------|--------|--------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| 1     | 47    | 148    | e1,040 | e526  | e78   | e54   | e111   | 2,510  | 760    | 87    | 109   | 895   |
| 2     | 44    | 139    | e938   | e490  | e73   | e52   | e178   | 2,090  | 565    | 76    | 293   | 661   |
| 3     | 42    | 169    | e673   | e454  | e68   | e53   | e347   | 1,580  | 426    | 66    | 500   | 422   |
| 4     | 40    | 191    | e508   | e424  | e67   | e53   | e1,390 | 1,220  | 341    | 55    | 292   | 263   |
| 5     | 38    | 201    | e400   | e383  | e65   | e53   | e3,770 | 963    | 282    | 50    | 200   | 186   |
| 6     | 36    | 218    | e316   | e340  | e63   | e52   | e3,200 | 776    | 250    | 87    | 160   | 139   |
| 7     | 35    | 365    | e275   | e301  | e62   | e51   | e3,390 | 658    | 304    | 64    | 121   | 110   |
| 8     | 34    | 373    | e249   | e270  | e61   | e50   | e2,960 | 634    | 277    | 48    | 96    | 90    |
| 9     | 33    | 322    | e229   | e245  | e63   | e49   | e2,470 | 623    | 236    | 93    | 79    | 94    |
| 10    | 31    | 275    | e214   | e221  | e68   | e50   | e2,020 | 557    | 287    | 676   | 67    | 91    |
| 11    | 30    | e230   | e203   | e203  | e78   | e49   | e1,670 | 485    | 266    | 376   | 118   | 75    |
| 12    | 33    | e195   | e206   | e190  | e86   | e51   | e1,430 | 475    | 212    | 217   | 114   | 62    |
| 13    | 47    | e150   | e198   | e182  | e84   | e55   | e1,210 | 410    | 213    | 153   | 94    | 54    |
| 14    | 48    | e136   | e185   | e218  | e81   | e57   | e1,010 | 347    | 183    | 120   | 88    | 47    |
| 15    | 43    | e127   | e173   | e452  | e75   | e57   | e966   | 331    | 293    | 136   | 77    | 44    |
| 16    | 187   | e120   | e160   | e509  | e73   | e55   | 1,100  | 430    | 745    | 106   | 67    | 41    |
| 17    | 564   | e115   | e152   | e403  | e82   | e53   | 1,670  | 498    | 999    | 83    | 57    | 48    |
| 18    | 548   | e112   | e147   | e297  | e107  | e52   | 2,640  | 433    | 1,160  | 124   | 49    | 160   |
| 19    | 419   | e124   | e143   | e239  | e105  | e51   | 2,920  | 414    | 871    | 659   | 42    | 222   |
| 20    | 321   | e152   | e140   | e204  | e94   | e50   | 3,860  | 368    | 597    | 441   | 39    | 172   |
| 21    | 261   | e144   | e137   | e181  | e84   | e49   | 3,550  | 328    | 409    | 245   | 44    | 129   |
| 22    | 222   | e136   | e135   | e162  | e76   | e49   | 2,460  | 310    | 308    | 157   | 57    | 103   |
| 23    | 193   | e131   | e134   | e145  | e69   | e52   | 2,000  | 388    | 250    | 176   | 50    | 108   |
| 24    | 170   | e128   | e1,100 | e132  | e64   | e60   | 2,800  | 529    | 204    | 156   | 42    | 128   |
| 25    | 152   | 603    | 1,950  | e123  | e61   | e67   | 7,050  | 442    | 176    | 224   | 37    | 103   |
| 26    | 138   | 1,550  | 2,010  | e116  | e64   | e69   | 5,990  | 403    | 211    | 402   | 33    | 144   |
| 27    | 126   | 1,130  | 1,710  | e105  | e61   | e70   | 3,610  | 528    | 173    | 305   | 29    | 754   |
| 28    | 115   | 852    | 1,280  | e94   | e57   | e70   | 2,860  | 547    | 143    | 293   | 27    | 657   |
| 29    | 106   | 1,630  | 945    | e86   | ---   | e72   | 3,290  | 506    | 119    | 225   | 26    | 497   |
| 30    | 99    | 1,420  | 689    | e82   | ---   | e78   | 2,650  | 580    | 102    | 166   | 29    | 846   |
| 31    | 116   | ---    | 565    | e81   | ---   | e88   | ---    | 937    | ---    | 127   | 60    | ---   |
| TOTAL | 4,318 | 11,586 | 17,204 | 7,858 | 2,069 | 1,771 | 74,572 | 21,300 | 11,362 | 6,193 | 3,096 | 7,345 |
| MEAN  | 139   | 386    | 555    | 253   | 73.9  | 57.1  | 2,486  | 687    | 379    | 200   | 99.9  | 245   |
| MAX   | 564   | 1,630  | 2,010  | 526   | 107   | 88    | 7,050  | 2,510  | 1,160  | 676   | 500   | 895   |
| MIN   | 30    | 112    | 134    | 81    | 57    | 49    | 111    | 310    | 102    | 48    | 26    | 41    |
| CFSM  | 0.60  | 1.66   | 2.39   | 1.09  | 0.32  | 0.25  | 10.7   | 2.96   | 1.63   | 0.86  | 0.43  | 1.06  |
| IN.   | 0.69  | 1.86   | 2.76   | 1.26  | 0.33  | 0.28  | 11.96  | 3.42   | 1.82   | 0.99  | 0.50  | 1.18  |

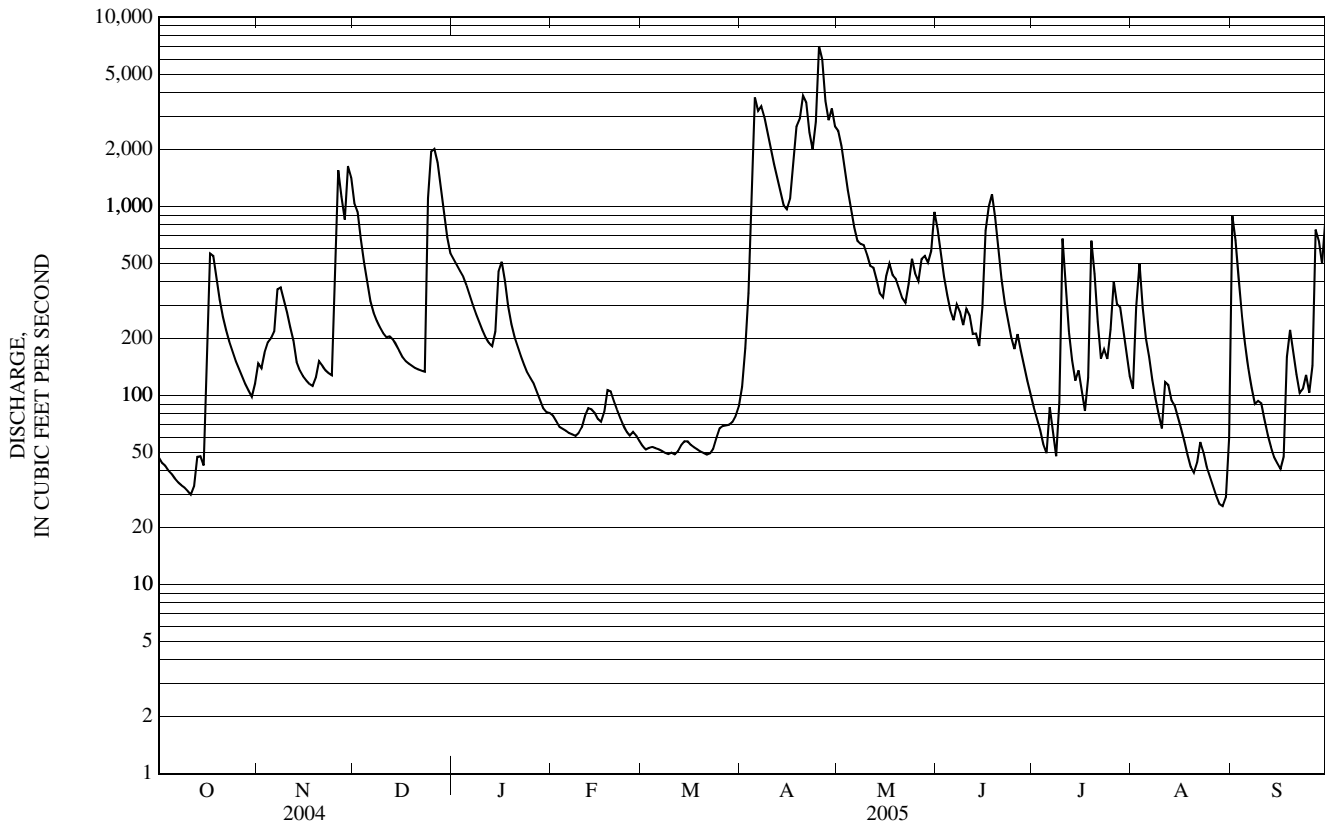
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

|      | MEAN   | MAX    | MIN    | (WY)   |
|------|--------|--------|--------|--------|
| MEAN | 178    | 369    | 436    | 140    |
| MAX  | 385    | 747    | 801    | 253    |
| (WY) | (2004) | (2004) | (2004) | (2005) |
| MIN  | 76.0   | 112    | 142    | 55.6   |
| (WY) | (2002) | (2002) | (2003) | (2002) |

e Estimated

## 01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 2001 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 149,014                |        | 168,674             |        | 385                     |              |
| ANNUAL MEAN              | 407                    |        | 462                 |        | 478                     | 2004         |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 299                     | 2003         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 7,050                   | Apr 25, 2005 |
| HIGHEST DAILY MEAN       | 4,280                  | Apr 20 | 7,050               | Apr 25 | 5.9                     | Sep 10, 2002 |
| LOWEST DAILY MEAN        | 30                     | Oct 11 | 26                  | Aug 29 | 6.9                     | Sep 4, 2002  |
| ANNUAL SEVEN-DAY MINIMUM | 33                     | Oct 6  | 32                  | Aug 24 | 8,410                   | Apr 25, 2005 |
| MAXIMUM PEAK FLOW        |                        |        | 12.14               | Apr 8  | 12.14                   | Apr 8, 2005  |
| MAXIMUM PEAK STAGE       |                        |        | 25                  | Aug 29 | 5.6                     | Sep 10, 2002 |
| INSTANTANEOUS LOW FLOW   |                        |        | 1.75                |        | 1.66                    |              |
| ANNUAL RUNOFF (CFSM)     | 23.89                  |        | 27.05               |        | 22.58                   |              |
| ANNUAL RUNOFF (INCHES)   | 1,100                  |        | 1,140               |        | 968                     |              |
| 10 PERCENT EXCEEDS       | 184                    |        | 169                 |        | 147                     |              |
| 50 PERCENT EXCEEDS       | 49                     |        | 50                  |        | 34                      |              |
| 90 PERCENT EXCEEDS       |                        |        |                     |        |                         |              |



## 01029200 SEBOEIS RIVER NEAR SHIN POND, ME

LOCATION.--Lat 46°08'35", long 68°38'01", Aroostook County, Hydrologic Unit 01020002, on left bank at State Route 159 highway bridge in T6 R7, and 200 ft downstream from Sawtelle Brook.

DRAINAGE AREA.--173 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: April 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 512.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of doubtful gage-height record, Apr. 25-26, May 15 to July 25, which are fair, and periods of ice effect, Nov. 9-24, 27-28, Dec. 3 to Apr. 9, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,280 ft<sup>3</sup>/s, Apr. 29, 2005, gage height, 11.62 ft; minimum discharge, 4.3 ft<sup>3</sup>/s, Sept. 3, 2002, gage height, 3.94 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,280 ft<sup>3</sup>/s, Apr. 29, gage height, 11.62 ft; minimum discharge, 16 ft<sup>3</sup>/s, Aug. 19-20, gage height, 4.19 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC    | JAN   | FEB   | MAR   | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| 1     | 94    | 125   | 610    | e320  | e100  | e82   | e146   | 3,190  | 492   | 116   | 64    | 341   |
| 2     | 87    | 115   | 984    | e306  | e97   | e84   | e178   | 2,750  | 448   | 110   | 68    | 355   |
| 3     | 82    | 121   | e866   | e286  | e94   | e83   | e220   | 2,300  | 406   | 96    | 71    | 249   |
| 4     | 77    | 114   | e737   | e269  | e92   | e81   | e292   | 1,920  | 368   | 84    | 64    | 196   |
| 5     | 74    | 128   | e621   | e253  | e89   | e81   | e397   | 1,610  | 346   | 80    | 55    | 170   |
| 6     | 67    | 154   | e537   | e239  | e87   | e80   | e565   | 1,350  | 325   | 153   | 52    | 153   |
| 7     | 64    | 160   | e475   | e225  | e86   | e80   | e877   | 1,160  | 318   | 154   | 46    | 139   |
| 8     | 61    | 161   | e428   | e214  | e86   | e83   | e1,270 | 1,060  | 293   | 135   | 42    | 130   |
| 9     | 57    | e147  | e417   | e203  | e87   | e90   | e1,580 | 970    | 263   | 133   | 38    | 129   |
| 10    | 55    | e132  | e407   | e193  | e88   | e90   | 1,620  | 855    | 238   | 203   | 35    | 123   |
| 11    | 52    | e121  | e386   | e183  | e92   | e87   | 1,610  | 749    | 220   | 216   | 33    | 112   |
| 12    | 60    | e115  | e382   | e175  | e94   | e85   | 1,500  | 678    | 234   | 186   | 31    | 106   |
| 13    | 81    | e109  | e353   | e168  | e91   | e83   | 1,280  | 603    | 231   | 168   | 28    | 94    |
| 14    | 75    | e104  | e333   | e163  | e87   | e83   | 1,170  | 526    | 330   | 166   | 26    | 87    |
| 15    | 71    | e100  | e321   | e178  | e87   | e82   | 1,060  | 486    | 365   | 216   | 25    | 84    |
| 16    | 118   | e98   | e311   | e179  | e95   | e81   | 1,010  | 522    | 396   | 178   | 23    | 83    |
| 17    | 242   | e96   | e302   | e170  | e99   | e82   | 1,070  | 544    | 439   | 148   | 21    | 132   |
| 18    | 252   | e94   | e295   | e157  | e97   | e82   | 1,300  | 506    | 464   | 130   | 19    | 319   |
| 19    | 226   | e92   | e289   | e152  | e93   | e82   | 1,470  | 456    | 460   | 120   | 17    | 291   |
| 20    | 192   | e90   | e282   | e146  | e90   | e82   | 1,680  | 418    | 420   | 140   | 17    | 234   |
| 21    | 171   | e89   | e277   | e141  | e89   | e81   | 1,790  | 386    | 372   | 123   | 18    | 201   |
| 22    | 157   | e88   | e272   | e136  | e88   | e81   | 1,590  | 370    | 330   | 109   | 23    | 173   |
| 23    | 146   | e86   | e268   | e132  | e88   | e81   | 1,470  | 411    | 283   | 140   | 26    | 172   |
| 24    | 136   | e88   | e465   | e128  | e87   | e80   | 1,450  | 458    | 248   | 147   | 24    | 172   |
| 25    | 130   | 144   | e625   | e124  | e86   | e80   | e2,390 | 429    | 219   | 131   | 23    | 151   |
| 26    | 124   | 220   | e667   | e121  | e84   | e80   | e3,150 | 452    | 192   | 120   | 22    | 155   |
| 27    | 117   | e177  | e612   | e116  | e83   | e80   | 2,480  | 602    | 168   | 107   | 22    | 259   |
| 28    | 111   | e172  | e528   | e113  | e81   | e85   | 2,650  | 623    | 150   | 99    | 22    | 280   |
| 29    | 104   | 443   | e450   | e109  | ---   | e92   | 4,110  | 588    | 137   | 87    | 24    | 249   |
| 30    | 99    | 643   | e396   | e105  | ---   | e103  | 3,630  | 565    | 128   | 77    | 108   | 322   |
| 31    | 115   | ---   | e348   | e102  | ---   | e122  | ---    | 540    | ---   | 67    | 212   | ---   |
| TOTAL | 3,497 | 4,526 | 14,244 | 5,506 | 2,517 | 2,628 | 45,005 | 28,077 | 9,283 | 4,139 | 1,299 | 5,661 |
| MEAN  | 113   | 151   | 459    | 178   | 89.9  | 84.8  | 1,500  | 906    | 309   | 134   | 41.9  | 189   |
| MAX   | 252   | 643   | 984    | 320   | 100   | 122   | 4,110  | 3,190  | 492   | 216   | 212   | 355   |
| MIN   | 52    | 86    | 268    | 102   | 81    | 80    | 146    | 370    | 128   | 67    | 17    | 83    |
| CFSM  | 0.65  | 0.87  | 2.66   | 1.03  | 0.52  | 0.49  | 8.67   | 5.24   | 1.79  | 0.77  | 0.24  | 1.09  |
| IN.   | 0.75  | 0.97  | 3.06   | 1.18  | 0.54  | 0.57  | 9.68   | 6.04   | 2.00  | 0.89  | 0.28  | 1.22  |

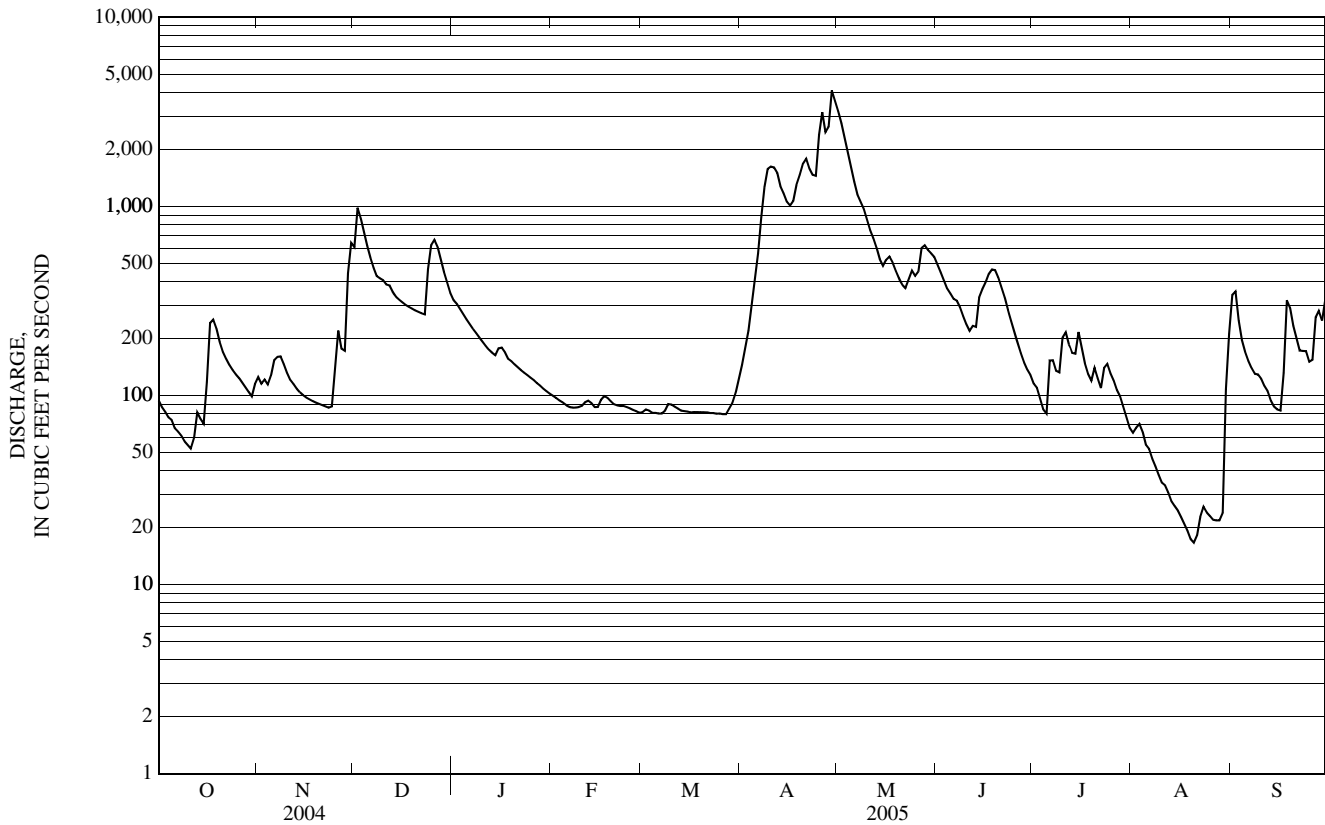
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

| MEAN | 161    | 238    | 288    | 146    | 90.2   | 208    | 1,120  | 515    | 188    | 114    | 92.2   | 145    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 423    | 693    | 614    | 258    | 182    | 572    | 1,670  | 906    | 309    | 239    | 233    | 535    |
| (WY) | (2004) | (2004) | (2004) | (2004) | (1999) | (1999) | (2000) | (2005) | (2005) | (1998) | (1999) | (1999) |
| MIN  | 26.0   | 47.0   | 93.6   | 74.0   | 61.4   | 84.8   | 630    | 276    | 122    | 59.7   | 23.4   | 12.4   |
| (WY) | (2003) | (2002) | (2002) | (2002) | (2003) | (2005) | (2001) | (1999) | (2002) | (2003) | (2002) | (2002) |

e Estimated

## 01029200 SEBOEIS RIVER NEAR SHIN POND, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1998 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 89,175                 |        | 126,382             |        | 271                     |              |
| ANNUAL MEAN              | 244                    |        | 346                 |        | 359                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 173                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 4,110                   |              |
| HIGHEST DAILY MEAN       | 1,210                  | Apr 20 | 4,110               | Apr 29 | 4,110                   | Apr 29, 2005 |
| LOWEST DAILY MEAN        | 40                     | Mar 25 | 17                  | Aug 19 | 4.5                     | Sep 3, 2002  |
| ANNUAL SEVEN-DAY MINIMUM | 44                     | Mar 19 | 20                  | Aug 16 | 5.4                     | Aug 29, 2002 |
| MAXIMUM PEAK FLOW        |                        |        | 4,280               | Apr 29 | 4,280                   | Apr 29, 2005 |
| MAXIMUM PEAK STAGE       |                        |        | 11.62               | Apr 29 | 11.62                   | Apr 29, 2005 |
| INSTANTANEOUS LOW FLOW   |                        |        | 16                  | Aug 19 | 4.3                     | Sep 3, 2002  |
| ANNUAL RUNOFF (CFSM)     | 1.41                   |        | 2.00                |        | 1.56                    |              |
| ANNUAL RUNOFF (INCHES)   | 19.18                  |        | 27.18               |        | 21.25                   |              |
| 10 PERCENT EXCEEDS       | 536                    |        | 791                 |        | 630                     |              |
| 50 PERCENT EXCEEDS       | 158                    |        | 147                 |        | 130                     |              |
| 90 PERCENT EXCEEDS       | 67                     |        | 70                  |        | 36                      |              |



## 01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME

LOCATION.--Lat 45° 43' 49", long 68° 35' 22", Penobscot County, Hydrologic Unit 01020002, on left bank 500 ft downstream from Bangor and Aroostook Railroad bridge, 0.5 mi south of Grindstone, and 9.5 mi upstream from confluence with West Branch Penobscot River.

DRAINAGE AREA.--1,086 mi<sup>2</sup>

## PERIOD OF RECORD.--

DISCHARGE: October 1902 to September 1982 (monthly discharge only for some periods). October 1999 to current year.

GAGE HEIGHT: May 1998 to September 1999.

GAGE.--Water-stage recorder. Datum of gage is 294.74 ft above National Geodetic Vertical Datum of 1929. Prior to June 30, 1929, nonrecording gage on railroad bridge at same datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 11-25, Dec. 5-24 and Dec. 26 to Apr. 10, which are poor. Flow regulated by Chamberlain, Telos, Second, Grand Lakes, and Round Pond, combined usable capacity, about 6.835 billion ft<sup>3</sup>. Final regulation at Grand Lake Dam 35 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft<sup>3</sup>/s, Apr. 30, 1923, gage height 16.9 ft, site then in use; minimum daily discharge, 77 ft<sup>3</sup>/s, Nov. 19, 1924.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,600 ft<sup>3</sup>/s, Apr. 29, gage height, 13.56 ft; minimum daily discharge, 437 ft<sup>3</sup>/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 1     | 1,020  | 847    | 4,540  | e1,540 | e1,030 | e706   | e2,330  | 17,000  | 5,000  | 1,080  | 693    | 6,860  |
| 2     | 1,000  | 790    | 7,100  | e1,410 | e1,010 | e701   | e2,330  | 14,600  | 4,220  | 993    | 1,040  | 4,740  |
| 3     | 1,100  | 765    | 6,520  | e1,310 | e1,000 | e691   | e2,830  | 12,100  | 3,290  | 907    | 1,330  | 2,790  |
| 4     | 1,350  | 745    | 4,940  | e1,240 | e986   | e683   | e6,700  | 9,950   | 2,760  | 834    | 1,000  | 2,050  |
| 5     | 1,330  | 790    | e3,710 | e1,170 | e975   | e673   | e8,780  | 8,530   | 2,400  | 783    | 806    | 1,740  |
| 6     | 1,290  | 982    | e2,800 | e1,120 | e961   | e666   | e8,020  | 7,320   | 2,110  | 865    | 717    | 1,560  |
| 7     | 1,170  | 1,050  | e2,300 | e1,060 | e946   | e658   | e7,290  | 6,680   | 2,230  | 1,080  | 1,110  | 1,440  |
| 8     | 1,020  | 1,010  | e2,000 | e1,020 | e929   | e658   | e6,900  | 7,120   | 2,170  | 1,020  | 859    | 1,360  |
| 9     | 1,000  | 941    | e1,790 | e953   | e896   | e658   | e6,850  | 7,900   | 2,080  | 1,020  | 594    | 1,430  |
| 10    | 904    | 835    | e1,630 | e866   | e879   | e655   | e8,350  | 7,470   | 1,940  | 1,890  | 565    | 1,360  |
| 11    | 691    | e765   | e1,500 | e836   | e857   | e740   | 8,150   | 7,030   | 1,900  | 2,280  | 567    | 1,260  |
| 12    | 495    | e728   | e1,420 | e815   | e838   | e826   | 7,820   | 6,580   | 1,850  | 1,820  | 549    | 1,190  |
| 13    | 626    | e698   | e1,380 | e807   | e822   | e808   | 7,230   | 5,880   | 1,990  | 1,440  | 544    | 1,130  |
| 14    | 624    | e681   | e1,340 | e1,490 | e813   | e795   | 6,430   | 4,980   | 2,310  | 1,360  | 537    | 1,100  |
| 15    | 562    | e665   | e1,290 | e2,140 | e807   | e775   | 5,800   | 4,270   | 2,930  | 1,420  | 528    | 1,090  |
| 16    | 935    | e653   | e1,230 | e1,940 | e842   | e768   | 5,360   | 3,940   | 3,460  | 1,350  | 517    | 1,110  |
| 17    | 2,230  | e641   | e1,190 | e1,660 | e918   | e756   | 5,220   | 3,460   | 4,370  | 1,140  | 507    | 1,200  |
| 18    | 1,610  | e631   | e1,160 | e1,500 | e998   | e756   | 5,970   | 3,000   | 4,930  | 1,070  | 489    | 2,430  |
| 19    | 1,310  | e622   | e1,130 | e1,400 | e906   | e737   | 6,590   | 3,110   | 4,650  | 999    | 469    | 2,200  |
| 20    | 1,100  | e614   | e1,110 | e1,340 | e865   | e724   | 7,370   | 3,070   | 4,240  | 1,080  | 463    | 1,800  |
| 21    | 970    | e609   | e1,080 | e1,280 | e834   | e712   | 8,810   | 3,020   | 3,900  | 1,030  | 497    | 1,620  |
| 22    | 894    | e603   | e1,070 | e1,250 | e807   | e700   | 8,460   | 3,000   | 3,660  | 927    | 561    | 1,480  |
| 23    | 842    | e600   | e1,040 | e1,220 | e785   | e685   | 7,900   | 4,470   | 3,010  | 895    | 571    | 1,410  |
| 24    | 799    | e596   | e3,560 | e1,190 | e766   | e683   | 8,020   | 6,730   | 2,280  | 890    | 528    | 1,400  |
| 25    | 768    | e1,080 | 4,770  | e1,170 | e749   | e674   | 14,100  | 6,390   | 2,080  | 888    | 491    | 1,320  |
| 26    | 743    | 2,120  | e3,580 | e1,150 | e738   | e663   | 20,300  | 6,480   | 2,020  | 1,010  | 469    | 1,300  |
| 27    | 717    | 1,680  | e3,020 | e1,130 | e725   | e657   | 16,500  | 9,770   | 1,680  | 950    | 449    | 1,850  |
| 28    | 691    | 1,380  | e2,540 | e1,110 | e718   | e663   | 15,800  | 8,600   | 1,110  | 870    | 437    | 1,920  |
| 29    | 668    | 4,100  | e2,170 | e1,090 | ---    | e1,230 | 24,400  | 7,270   | 1,000  | 797    | 444    | 1,660  |
| 30    | 649    | 5,530  | e1,920 | e1,070 | ---    | e1,830 | 21,400  | 6,790   | 1,140  | 726    | 2,570  | 2,200  |
| 31    | 721    | ---    | e1,690 | e1,050 | ---    | e2,120 | ---     | 6,140   | ---    | 678    | 3,050  | ---    |
| TOTAL | 29,829 | 33,751 | 76,520 | 38,327 | 24,400 | 25,051 | 272,010 | 212,650 | 82,710 | 34,092 | 23,951 | 56,000 |
| MEAN  | 962    | 1,125  | 2,468  | 1,236  | 871    | 808    | 9,067   | 6,860   | 2,757  | 1,100  | 773    | 1,867  |
| MAX   | 2,230  | 5,530  | 7,100  | 2,140  | 1,030  | 2,120  | 24,400  | 17,000  | 5,000  | 2,280  | 3,050  | 6,860  |
| MIN   | 495    | 596    | 1,040  | 807    | 718    | 655    | 2,330   | 3,000   | 1,000  | 678    | 437    | 1,090  |
| CFSM  | 0.89   | 1.04   | 2.27   | 1.14   | 0.80   | 0.74   | 8.35    | 6.32    | 2.54   | 1.01   | 0.71   | 1.72   |
| IN.   | 1.02   | 1.16   | 2.62   | 1.31   | 0.84   | 0.86   | 9.32    | 7.28    | 2.83   | 1.17   | 0.82   | 1.92   |

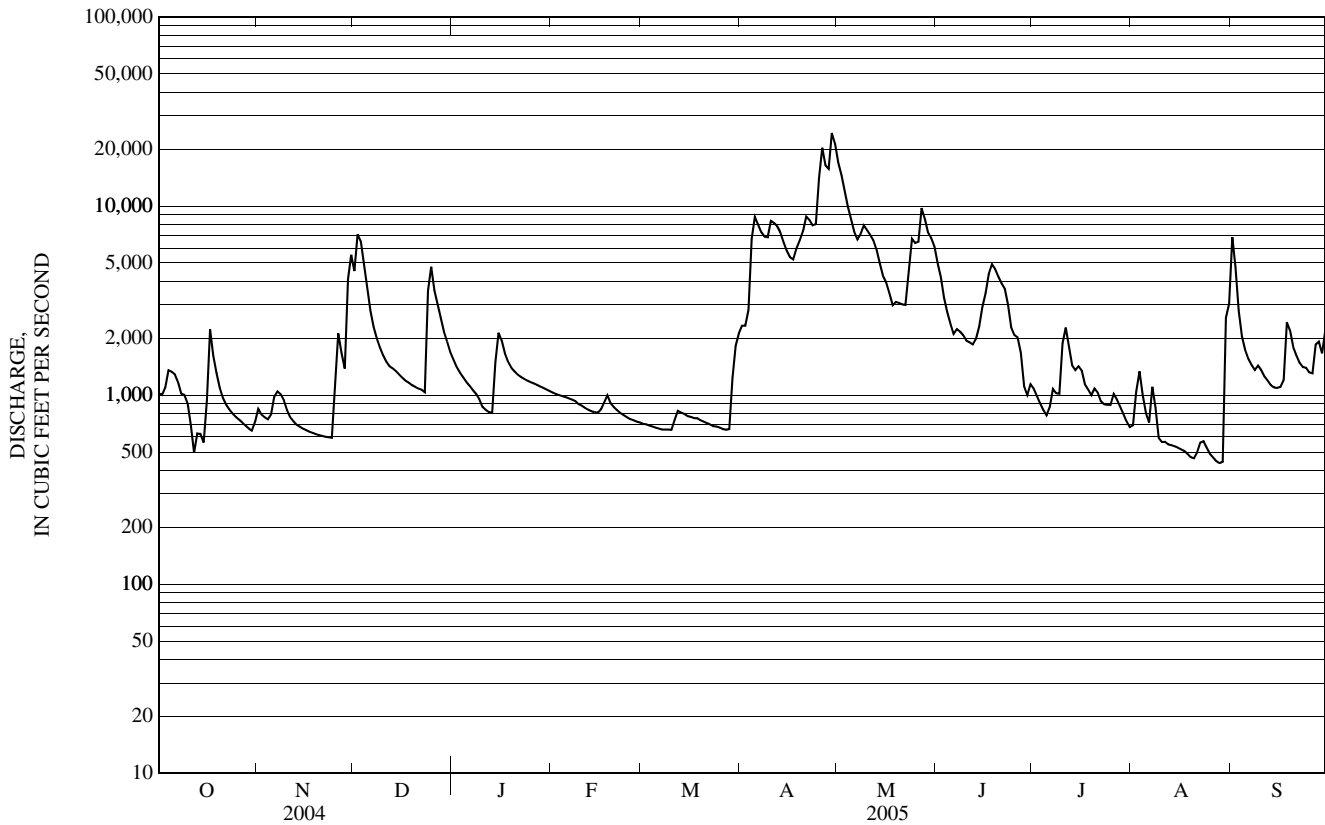
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

|      | MEAN   | 1,240  | 1,744  | 1,559  | 1,081  | 1,016  | 1,523  | 4,844  | 4,816  | 2,261  | 1,323  | 901    | 979 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| MAX  | 5,537  | 6,564  | 6,015  | 3,552  | 3,680  | 7,851  | 9,941  | 10,890 | 6,292  | 4,697  | 2,807  | 4,200  |     |
| (WY) | (1982) | (1964) | (1951) | (1958) | (1970) | (1936) | (2000) | (1961) | (1917) | (1918) | (1976) | (1954) |     |
| MIN  | 210    | 327    | 203    | 255    | 216    | 222    | 1,268  | 1,545  | 796    | 357    | 250    | 264    |     |
| (WY) | (1911) | (1956) | (1909) | (1948) | (1948) | (1923) | (1926) | (2004) | (1921) | (1955) | (1941) | (1910) |     |

e Estimated

## 01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1903 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 572,553                |        | 909,291             |        | 1,942                   |              |
| ANNUAL MEAN              | 1,564                  |        | 2,491               |        | 2,952                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,028                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1911                    |              |
| HIGHEST DAILY MEAN       | 7,200                  | Apr 15 | 24,400              | Apr 29 | 33,700                  | Apr 30, 1923 |
| LOWEST DAILY MEAN        | 297                    | Mar 23 | 437                 | Aug 28 | 77                      | Nov 19, 1924 |
| ANNUAL SEVEN-DAY MINIMUM | 308                    | Mar 18 | 484                 | Aug 23 | 117                     | Dec 25, 1914 |
| MAXIMUM PEAK FLOW        |                        |        | 25,600              | Apr 29 | 37,000                  | Apr 30, 1923 |
| MAXIMUM PEAK STAGE       |                        |        | 13.56               | Apr 29 | 16.90                   | Apr 30, 1923 |
| ANNUAL RUNOFF (CFSM)     | 1.44                   |        | 2.29                |        | 1.79                    |              |
| ANNUAL RUNOFF (INCHES)   | 19.61                  |        | 31.15               |        | 24.30                   |              |
| 10 PERCENT EXCEEDS       | 3,380                  |        | 6,750               |        | 4,600                   |              |
| 50 PERCENT EXCEEDS       | 1,100                  |        | 1,150               |        | 1,130                   |              |
| 90 PERCENT EXCEEDS       | 471                    |        | 656                 |        | 430                     |              |



## 01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45° 30'04", long 68° 18'21", Penobscot County, Hydrologic Unit 01020003, on left bank 0.6 mi downstream of Gordon Falls, 0.6 mi upstream from Mattakeunk Stream, 3.6 mi upstream from Mattawamkeag, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--1,418 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1934 to current year.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WSP 1501: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 217 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 11, 1991, at site 0.5 mi upstream at datum 12.94 ft higher. Mar. 11, 1991 to May 29, 1996 at site 0.5 mi upstream at datum 10.94 ft higher.

REMARKS.--Records good, except for period of doubtful gage-height record, June 21 to Aug. 24, which is fair, period of ice effect, Dec. 17 to Apr. 1, and period of no gage-height record, Jan. 12, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft<sup>3</sup>/s, Mar. 23, 1936, gage height, 15.34 ft, former site and datum; minimum discharge, 30 ft<sup>3</sup>/s, Sept. 7, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 46,600 ft<sup>3</sup>/s, based on flow for the Mattawamkeag River at Mattawamkeag (station 01031000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft<sup>3</sup>/s, Apr. 8, gage height, 14.31 ft; minimum discharge, 171 ft<sup>3</sup>/s, Aug. 28-29, gage height, 4.16 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC     | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|---------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 1     | 363    | 477    | 5,710   | e2,380 | e662   | e728   | e8,420  | 18,300  | 5,000  | e776   | e426   | 1,920  |
| 2     | 340    | 508    | 6,810   | e2,080 | e600   | e731   | 9,290   | 18,500  | 4,380  | e813   | e583   | 3,760  |
| 3     | 326    | 551    | 8,150   | e1,890 | e547   | e712   | 10,100  | 17,900  | 3,760  | e755   | e1,140 | 4,340  |
| 4     | 306    | 586    | 8,530   | e1,730 | e504   | e680   | 12,600  | 16,500  | 3,230  | e671   | e1,300 | 4,070  |
| 5     | 291    | 648    | 7,960   | e1,590 | e468   | e643   | 15,600  | 14,700  | 2,750  | e588   | e1,090 | 3,330  |
| 6     | 273    | 821    | 6,240   | e1,470 | e437   | e611   | 17,200  | 12,500  | 2,380  | e533   | e870   | 2,550  |
| 7     | 263    | 1,080  | 5,510   | e1,360 | e418   | e592   | 18,500  | 10,300  | 2,170  | e490   | e713   | 1,990  |
| 8     | 249    | 1,180  | 4,650   | e1,260 | e402   | e590   | 18,800  | 9,110   | 2,020  | e462   | e610   | 1,600  |
| 9     | 238    | 1,160  | 3,980   | e1,180 | e388   | e938   | 18,500  | 9,640   | 1,860  | e457   | e535   | 1,340  |
| 10    | 232    | 1,080  | 3,510   | e1,120 | e395   | e1,370 | 17,900  | 10,100  | 1,710  | e473   | e477   | 1,140  |
| 11    | 226    | 989    | 3,150   | e1,070 | e464   | e1,870 | 17,000  | 9,550   | 1,570  | e504   | e432   | 991    |
| 12    | 238    | 921    | 2,980   | e1,020 | e641   | e2,130 | 15,800  | 8,380   | 1,420  | e582   | e393   | 878    |
| 13    | 265    | 849    | 2,860   | e996   | e743   | e2,140 | 14,400  | 7,080   | 1,300  | e661   | e371   | 775    |
| 14    | 319    | 763    | 2,600   | e995   | e750   | e2,030 | 12,800  | 5,840   | 1,280  | e706   | e362   | 686    |
| 15    | 373    | 712    | 2,160   | e1,330 | e707   | e1,870 | 11,200  | 4,870   | 1,520  | e759   | e356   | 622    |
| 16    | 429    | 663    | 1,890   | e1,690 | e694   | e1,720 | 9,560   | 4,360   | 1,770  | e769   | e336   | 606    |
| 17    | 574    | 582    | e1,720  | e1,740 | e795   | e1,630 | 8,380   | 4,250   | 2,170  | e736   | e309   | 651    |
| 18    | 877    | 594    | e1,560  | e1,650 | e1,020 | e1,570 | 7,730   | 4,280   | 2,600  | e670   | e286   | 943    |
| 19    | 1,130  | 573    | e1,430  | e1,520 | e1,340 | e1,520 | 7,590   | 4,190   | 2,780  | e608   | e262   | 1,270  |
| 20    | 1,130  | 541    | e1,330  | e1,410 | e1,520 | e1,510 | 7,770   | 3,950   | 2,620  | e567   | e239   | 1,480  |
| 21    | 1,040  | 525    | e1,250  | e1,330 | e1,470 | e1,520 | 8,080   | 3,610   | e2,270 | e507   | e228   | 1,470  |
| 22    | 939    | 512    | e1,200  | e1,230 | e1,330 | e1,550 | 8,210   | 3,300   | e1,840 | e473   | e221   | 1,350  |
| 23    | 851    | 502    | e1,160  | e1,150 | e1,210 | e1,620 | 7,990   | 3,230   | e1,520 | e481   | e218   | 1,190  |
| 24    | 773    | 492    | e2,160  | e1,070 | e1,110 | e1,630 | 7,480   | 3,540   | e1,310 | e471   | e217   | 1,080  |
| 25    | 709    | 624    | e3,760  | e1,010 | e1,010 | e1,630 | 7,580   | 3,780   | e1,160 | e457   | 212    | 971    |
| 26    | 647    | 1,280  | e4,590  | e953   | e923   | e1,620 | 9,390   | 3,880   | e1,030 | e478   | 202    | 899    |
| 27    | 600    | 2,170  | e4,740  | e909   | e840   | e1,620 | 11,300  | 4,940   | e924   | e542   | 192    | 991    |
| 28    | 558    | 2,440  | e4,380  | e866   | e771   | e1,700 | 12,200  | 6,010   | e835   | e647   | 180    | 1,310  |
| 29    | 520    | 3,020  | e3,850  | e828   | ---    | e2,740 | 14,200  | 6,370   | e737   | e669   | 179    | 1,510  |
| 30    | 484    | 4,540  | e3,270  | e781   | ---    | e4,710 | 17,100  | 6,150   | e688   | e570   | 269    | 1,720  |
| 31    | 471    | ---    | e2,740  | e735   | ---    | e6,850 | ---     | 5,610   | ---    | e476   | 529    | ---    |
| TOTAL | 16,034 | 31,383 | 115,830 | 40,343 | 22,159 | 52,775 | 362,670 | 244,720 | 60,604 | 18,351 | 13,737 | 47,433 |
| MEAN  | 517    | 1,046  | 3,736   | 1,301  | 791    | 1,702  | 12,090  | 7,894   | 2,020  | 592    | 443    | 1,581  |
| MAX   | 1,130  | 4,540  | 8,530   | 2,380  | 1,520  | 6,850  | 18,800  | 18,500  | 5,000  | 813    | 1,300  | 4,340  |
| MIN   | 226    | 477    | 1,160   | 735    | 388    | 590    | 7,480   | 3,230   | 688    | 457    | 179    | 606    |
| CFSM  | 0.36   | 0.74   | 2.64    | 0.92   | 0.56   | 1.20   | 8.53    | 5.57    | 1.42   | 0.42   | 0.31   | 1.12   |
| IN.   | 0.42   | 0.82   | 3.04    | 1.06   | 0.58   | 1.38   | 9.51    | 6.42    | 1.59   | 0.48   | 0.36   | 1.24   |

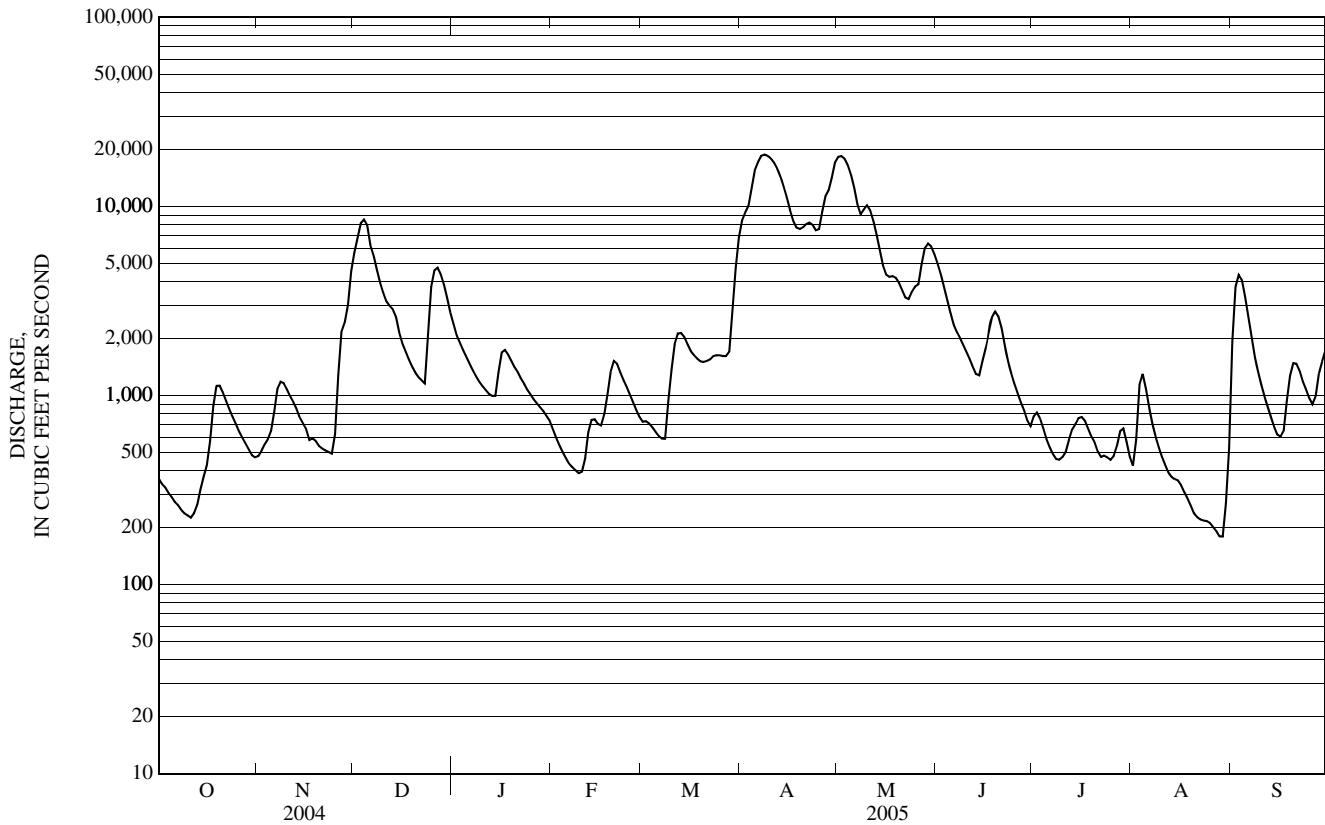
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

|      | MEAN  | MAX    | (WY)   | MIN   | (WY)   |
|------|-------|--------|--------|-------|--------|
| 1935 | 1,385 | 6,901  | (1982) | 146   | (1947) |
| 1936 | 2,712 | 8,428  | (1964) | 219   | (1956) |
| 1937 | 2,629 | 9,871  | (1951) | 105   | (1956) |
| 1938 | 1,404 | 3,938  | (1978) | 197   | (1948) |
| 1939 | 1,233 | 4,685  | (1970) | 165   | (1944) |
| 1940 | 2,209 | 11,330 | (1936) | 230   | (1944) |
| 1941 | 8,535 | 13,950 | (1976) | 3,012 | (1944) |
| 1942 | 5,452 | 12,760 | (1961) | 1,254 | (1999) |
| 1943 | 1,951 | 7,262  | (1984) | 406   | (1988) |
| 1944 | 1,000 | 5,658  | (1996) | 118   | (1991) |
| 1945 | 721   | 2,565  | (1962) | 70.9  | (1995) |
| 1946 | 810   | 5,106  | (1954) | 38.6  | (1995) |

e Estimated

## 01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1935 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 611,504                |        | 1,026,039           |        | 2,502                   |              |
| ANNUAL MEAN              | 1,671                  |        | 2,811               |        | 4,015                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,307                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 29,200                  |              |
| HIGHEST DAILY MEAN       | 10,600                 | Apr 17 | 18,800              | Apr 8  | 29,200                  | Mar 23, 1936 |
| LOWEST DAILY MEAN        | 164                    | Mar 2  | 179                 | Aug 29 | 32                      | Sep 4, 1995  |
| ANNUAL SEVEN-DAY MINIMUM | 181                    | Feb 25 | 200                 | Aug 23 | 33                      | Sep 1, 1995  |
| MAXIMUM PEAK FLOW        |                        |        | 19,100              | Apr 8  | 29,200                  | Mar 23, 1936 |
| MAXIMUM PEAK STAGE       |                        |        | 14.31               | Apr 8  | 15.34                   | Mar 23, 1936 |
| INSTANTANEOUS LOW FLOW   |                        |        | 171                 | Aug 28 | 30                      | Sep 7, 1995  |
| ANNUAL RUNOFF (CFSM)     | 1.18                   |        | 1.98                |        | 1.76                    |              |
| ANNUAL RUNOFF (INCHES)   | 16.04                  |        | 26.92               |        | 23.97                   |              |
| 10 PERCENT EXCEEDS       | 4,980                  |        | 8,170               |        | 6,500                   |              |
| 50 PERCENT EXCEEDS       | 672                    |        | 1,180               |        | 1,190                   |              |
| 90 PERCENT EXCEEDS       | 288                    |        | 399                 |        | 260                     |              |



## 01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

LOCATION.--Lat 45° 16'02", long 69° 35'02", Piscataquis County, Hydrologic Unit 01020004, on left bank at downstream side of bridge in the Town of Blanchard, and 1.0 mi downstream of the confluence of the East and West Branches of the Piscataquis River.

DRAINAGE AREA.--118 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: October 1996 to current year.

REVISED RECORDS.--WDR ME-98-1: 1997(M).

GAGE.--Water-stage recorder. Datum of gage is 564.09 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 10-24, Dec. 6 to Apr. 3, and periods of no gage-height record, Jan. 15-19, May 22-24, which are fair. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 451603069350101). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,550 ft<sup>3</sup>/s, Apr. 9, 2000, gage height 11.38; minimum discharge, 2.9 ft<sup>3</sup>/s, Sept. 10-11, 2002, gage height 3.13 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 29 | 0430 | 2,640                             | 8.29                | Apr 28 | 1845 | 3,870                             | 9.10                |
| Dec 2  | 0115 | 1,740                             | 7.45                | May 26 | 2330 | 5,700                             | 10.12               |
| Apr 4  | 1530 | 2,700                             | 8.28                | Sep 1  | 0500 | 1,770                             | 7.45                |
| Apr 25 | 1045 | *7,150                            | *10.79              |        |      |                                   |                     |

Minimum discharge, 20 ft<sup>3</sup>/s, Oct. 12, gage height, 3.68 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC    | JAN   | FEB   | MAR   | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| 1     | 31    | 102   | 1,030  | e169  | e49   | e56   | e478   | 1,220  | 661   | 98    | 71    | 1,390 |
| 2     | 29    | 97    | 1,400  | e159  | e47   | e64   | e396   | 916    | 477   | 88    | 179   | 736   |
| 3     | 29    | 129   | 851    | e149  | e46   | e62   | e1,310 | 706    | 365   | 75    | 103   | 416   |
| 4     | 27    | 127   | 595    | e140  | e45   | e57   | 2,470  | 555    | 291   | 64    | 69    | 267   |
| 5     | 26    | 146   | 453    | e132  | e45   | e55   | 2,360  | 452    | 240   | 56    | 53    | 196   |
| 6     | 24    | 174   | e333   | e125  | e45   | e53   | 2,050  | 379    | 238   | 74    | 45    | 157   |
| 7     | 24    | 177   | e276   | e120  | e45   | e51   | 1,930  | 337    | 267   | 82    | 38    | 131   |
| 8     | 23    | 162   | e241   | e115  | e46   | e57   | 1,800  | 474    | 223   | 66    | 33    | 112   |
| 9     | 23    | 138   | e220   | e111  | e57   | e85   | 1,720  | 442    | 186   | 104   | 29    | 99    |
| 10    | 23    | e113  | e204   | e107  | e70   | e107  | 1,520  | 366    | 160   | 388   | 42    | 86    |
| 11    | 21    | e100  | e199   | e103  | e80   | e89   | 1,360  | 306    | 145   | 256   | 212   | 75    |
| 12    | 22    | e90   | e196   | e99   | e84   | e80   | 1,040  | 269    | 131   | 163   | 125   | 67    |
| 13    | 28    | e81   | e186   | e101  | e77   | e76   | 806    | 227    | 116   | 112   | 112   | 60    |
| 14    | 31    | e77   | e170   | e132  | e70   | e72   | 712    | 200    | 115   | 107   | 85    | 56    |
| 15    | 33    | e74   | e149   | e140  | e73   | e68   | 667    | 196    | 268   | 249   | 82    | 61    |
| 16    | 294   | e72   | e139   | e132  | e84   | e65   | 685    | 229    | 368   | 219   | 70    | 71    |
| 17    | 388   | e70   | e137   | e126  | e173  | e63   | 884    | 237    | 525   | 138   | 55    | 294   |
| 18    | 279   | e69   | e133   | e122  | e162  | e61   | 1,220  | 215    | 629   | 98    | 43    | 421   |
| 19    | 194   | e71   | e128   | e119  | e122  | e59   | 1,260  | 193    | 537   | 80    | 37    | 301   |
| 20    | 148   | e70   | e123   | e117  | e100  | e58   | 1,370  | 164    | 361   | 71    | 34    | 205   |
| 21    | 118   | e70   | e119   | e116  | e87   | e57   | 1,420  | 149    | 253   | 63    | 112   | 158   |
| 22    | 99    | e69   | e116   | e111  | e84   | e57   | 1,070  | e174   | 196   | 54    | 145   | 124   |
| 23    | 87    | e69   | e112   | e106  | e80   | e56   | 896    | e341   | 157   | 55    | 93    | 107   |
| 24    | 79    | e69   | e1,120 | e97   | e75   | e56   | 1,770  | e398   | 130   | 46    | 68    | 89    |
| 25    | 74    | 215   | e463   | e87   | e69   | e55   | 5,440  | 360    | 111   | 51    | 54    | 77    |
| 26    | 70    | 303   | e345   | e79   | e65   | e55   | 2,840  | 2,120  | 96    | 63    | 45    | 74    |
| 27    | 65    | 228   | e287   | e71   | e61   | e56   | 1,600  | 3,780  | 85    | 60    | 38    | 113   |
| 28    | 59    | 246   | e251   | e65   | e58   | e69   | 2,830  | 1,880  | 75    | 86    | 35    | 105   |
| 29    | 55    | 1,990 | e219   | e60   | ---   | e122  | 2,640  | 1,110  | 76    | 65    | 65    | 122   |
| 30    | 53    | 1,170 | e197   | e55   | ---   | e393  | 1,550  | 963    | 115   | 50    | 213   | 268   |
| 31    | 79    | ---   | e182   | e52   | ---   | e494  | ---    | 921    | ---   | 40    | 628   | ---   |
| TOTAL | 2,535 | 6,568 | 10,574 | 3,417 | 2,099 | 2,808 | 48,094 | 20,279 | 7,597 | 3,221 | 3,013 | 6,438 |
| MEAN  | 81.8  | 219   | 341    | 110   | 75.0  | 90.6  | 1,603  | 654    | 253   | 104   | 97.2  | 215   |
| MAX   | 388   | 1,990 | 1,400  | 169   | 173   | 494   | 5,440  | 3,780  | 661   | 388   | 628   | 1,390 |
| MIN   | 21    | 69    | 112    | 52    | 45    | 51    | 396    | 149    | 75    | 40    | 29    | 56    |
| CFSM  | 0.69  | 1.86  | 2.89   | 0.93  | 0.64  | 0.77  | 13.6   | 5.54   | 2.15  | 0.88  | 0.82  | 1.82  |
| IN.   | 0.80  | 2.07  | 3.33   | 1.08  | 0.66  | 0.89  | 15.16  | 6.39   | 2.39  | 1.02  | 0.95  | 2.03  |

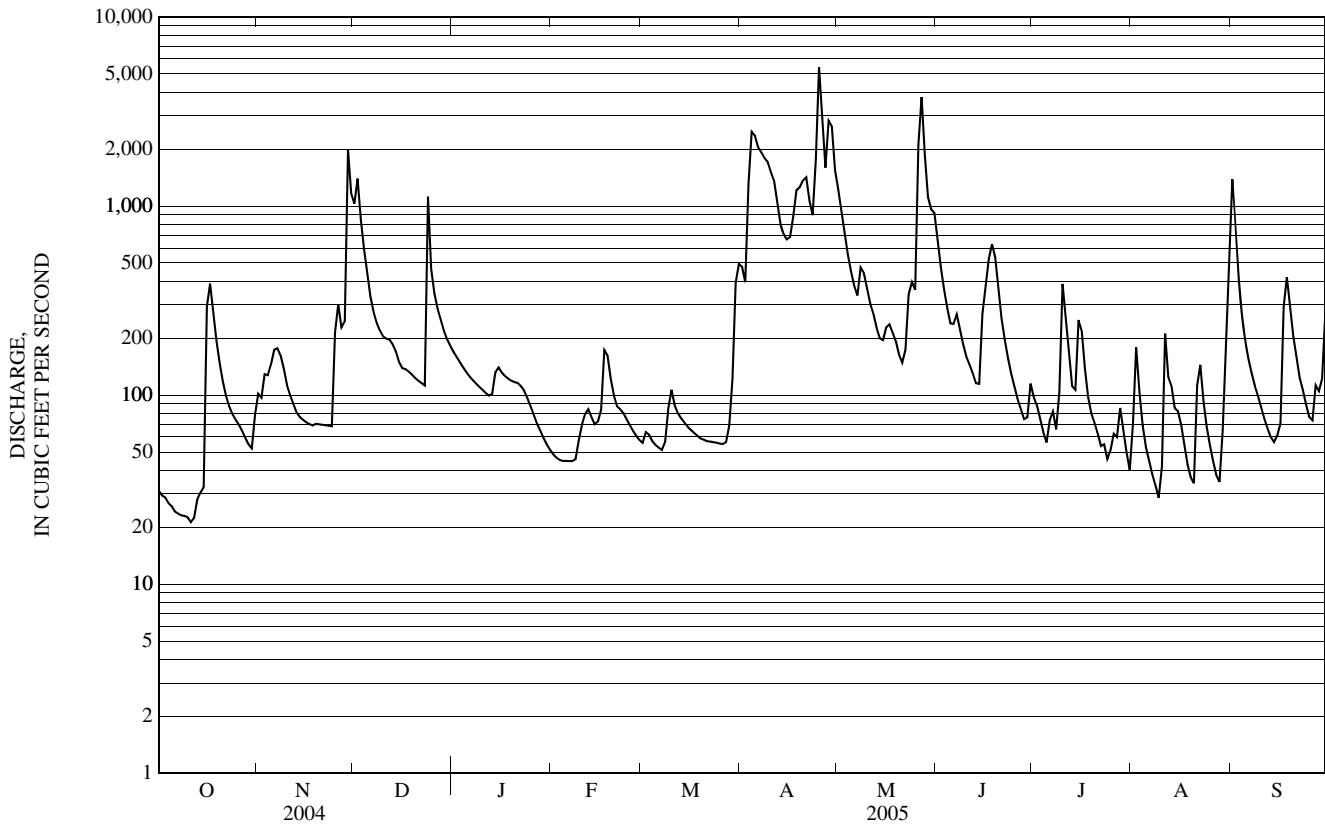
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 156    | 226    | 258    | 102    | 80.4   | 261    | 883    | 352    | 184    | 74.2   | 41.1   | 98.7   |
| MAX  | 538    | 494    | 651    | 300    | 208    | 585    | 1,603  | 689    | 543    | 199    | 121    | 383    |
| (WY) | (2004) | (2004) | (2004) | (1999) | (1998) | (1998) | (2005) | (1997) | (1998) | (1998) | (2004) | (1999) |
| MIN  | 17.8   | 21.3   | 56.9   | 37.6   | 26.1   | 45.1   | 558    | 133    | 62.8   | 27.2   | 7.79   | 8.36   |
| (WY) | (2002) | (2002) | (2002) | (2002) | (2003) | (2001) | (1999) | (1999) | (2000) | (2000) | (2001) | (2002) |

e Estimated

## 01031300 PISCATAQUIS RIVER AT BLANCHARD, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1997 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 66,936                 |        | 116,643             |        | 226                     |              |
| ANNUAL MEAN              | 183                    |        | 320                 |        | 132                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 320                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 132                     |              |
| HIGHEST DAILY MEAN       | 1,990                  | Nov 29 | 5,440               | Apr 25 | 5,440                   | Apr 25, 2005 |
| LOWEST DAILY MEAN        | 20                     | Jul 1  | 21                  | Oct 11 | 3.0                     | Sep 10, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 23                     | Oct 6  | 23                  | Oct 6  | 3.4                     | Sep 5, 2002  |
| MAXIMUM PEAK FLOW        |                        |        | 7,150               | Apr 25 | 7,550                   | Apr 9, 2000  |
| MAXIMUM PEAK STAGE       |                        |        | 10.79               | Apr 25 | 11.38                   | Apr 9, 2000  |
| INSTANTANEOUS LOW FLOW   |                        |        | 20                  | Oct 12 | 2.9                     | Sep 10, 2002 |
| ANNUAL RUNOFF (CFSM)     | 1.55                   |        | 2.71                |        | 1.92                    |              |
| ANNUAL RUNOFF (INCHES)   | 21.10                  |        | 36.77               |        | 26.04                   |              |
| 10 PERCENT EXCEEDS       | 443                    |        | 904                 |        | 595                     |              |
| 50 PERCENT EXCEEDS       | 90                     |        | 115                 |        | 85                      |              |
| 90 PERCENT EXCEEDS       | 30                     |        | 50                  |        | 17                      |              |



## 01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME

LOCATION.--Lat 45° 11'04", long 69° 27'09", Piscataquis County, Hydrologic Unit 01020004, on left bank 200 ft upstream from State Route 15/16 highway bridge in Abbot Village, and 0.9 mi upstream from mouth.

DRAINAGE AREA.--95.4 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: July 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 423.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 12-24, Dec. 7-24, Dec. 26 to Apr. 3, and period of no gage-height record, Jan. 10-11, which are fair. Low flow may be regulated by operation of Kingsbury Pond Dam above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 451105069270801). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,470 ft<sup>3</sup>/s, May 26, 2005, gage height, 12.80 ft; maximum gage height, 18.43 ft, Dec. 20, 2003 (backwater from ice); minimum discharge, 1.1 ft<sup>3</sup>/s, Aug. 20, 2001, gage height 4.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 29 | 0745 | 3,730                             | 11.93               | Apr 25 | 1300 | 5,360                             | 12.75               |
| Dec 1  | 2315 | 3,420                             | 11.75               | Apr 28 | 1945 | 4,410                             | 12.30               |
| Apr 3  | 0730 | Ice Jam                           | *13.25              | May 26 | 2330 | *5,470                            | 12.80               |
| Apr 3  | 2000 | 5,220                             | 12.69               | Sep 1  | 1015 | 1,320                             | 9.94                |

Minimum discharge, 12 ft<sup>3</sup>/s, Aug. 10, gage height, 5.34 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC    | JAN   | FEB   | MAR   | APR    | MAY    | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| 1     | 26    | 80    | 1,260  | e203  | e49   | e61   | e451   | 1,070  | 371   | 75    | 32    | 1,120 |
| 2     | 25    | 73    | 2,000  | e185  | e47   | e65   | e379   | 764    | 288   | 69    | 34    | 571   |
| 3     | 24    | 117   | 881    | e173  | e46   | e63   | e1,430 | 559    | 228   | 58    | 39    | 293   |
| 4     | 23    | 121   | 562    | e160  | e45   | e59   | 3,750  | 427    | 188   | 49    | 37    | 192   |
| 5     | 22    | 237   | 413    | e149  | e45   | e56   | 2,340  | 340    | 158   | 44    | 29    | 152   |
| 6     | 21    | 302   | 314    | e140  | e45   | e54   | 1,810  | 279    | 167   | 48    | 26    | 120   |
| 7     | 19    | 200   | e261   | e133  | e45   | e53   | 1,690  | 245    | 190   | 49    | 22    | 99    |
| 8     | 19    | 158   | e230   | e127  | e46   | e53   | 1,530  | 561    | 151   | 41    | 17    | 83    |
| 9     | 19    | 127   | e207   | e122  | e53   | e64   | 1,440  | 516    | 123   | 74    | 15    | 73    |
| 10    | 18    | 104   | e196   | e118  | e64   | e76   | 1,250  | 364    | 105   | 501   | 21    | 63    |
| 11    | 18    | 95    | e191   | e114  | e70   | e78   | 1,150  | 281    | 115   | 237   | 152   | 56    |
| 12    | 25    | e87   | e188   | e110  | e83   | e72   | 845    | 236    | 172   | 125   | 83    | 50    |
| 13    | 51    | e80   | e175   | e107  | e78   | e69   | 658    | 191    | 109   | 90    | 71    | 44    |
| 14    | 39    | e75   | e159   | e119  | e72   | e64   | 648    | 163    | 95    | 75    | 57    | 41    |
| 15    | 34    | e71   | e143   | e142  | e71   | e60   | 618    | 158    | 519   | 86    | 46    | 45    |
| 16    | 450   | e68   | e131   | e134  | e83   | e60   | 611    | 209    | 610   | 70    | 41    | 67    |
| 17    | 425   | e67   | e123   | e126  | e127  | e59   | 734    | 211    | 682   | 58    | 34    | 549   |
| 18    | 211   | e66   | e119   | e120  | e206  | e58   | 873    | 180    | 671   | 52    | 27    | 575   |
| 19    | 142   | e66   | e114   | e116  | e188  | e57   | 800    | 173    | 517   | 48    | 22    | 274   |
| 20    | 109   | e66   | e111   | e114  | e146  | e56   | 823    | 149    | 320   | 46    | 19    | 175   |
| 21    | 91    | e65   | e108   | e112  | e118  | e55   | 1,130  | 131    | 221   | 41    | 106   | 146   |
| 22    | 82    | e64   | e105   | e107  | e104  | e55   | 768    | 239    | 174   | 36    | 196   | 109   |
| 23    | 76    | e63   | e102   | e100  | e92   | e54   | 617    | 726    | 142   | 35    | 97    | 94    |
| 24    | 69    | e62   | e1,220 | e92   | e82   | e57   | 1,060  | 755    | 115   | 30    | 63    | 81    |
| 25    | 65    | 721   | 884    | e84   | e75   | e57   | 3,960  | 513    | 98    | 32    | 49    | 68    |
| 26    | 62    | 654   | e571   | e75   | e68   | e56   | 1,720  | 1,770  | 84    | 49    | 40    | 64    |
| 27    | 59    | 328   | e408   | e68   | e64   | e57   | 913    | 3,180  | 73    | 46    | 33    | 129   |
| 28    | 57    | 254   | e333   | e62   | e60   | e70   | 3,060  | 1,220  | 65    | 104   | 29    | 100   |
| 29    | 53    | 2,330 | e284   | e57   | ---   | e117  | 2,350  | 733    | 61    | 66    | 34    | 94    |
| 30    | 51    | 1,040 | e251   | e53   | ---   | e377  | 1,090  | 646    | 83    | 47    | 117   | 351   |
| 31    | 65    | ---   | e226   | e51   | ---   | e471  | ---    | 493    | ---   | 37    | 481   | ---   |
| TOTAL | 2,450 | 7,841 | 12,270 | 3,573 | 2,272 | 2,663 | 40,498 | 17,482 | 6,895 | 2,418 | 2,069 | 5,878 |
| MEAN  | 79.0  | 261   | 396    | 115   | 81.1  | 85.9  | 1,350  | 564    | 230   | 78.0  | 66.7  | 196   |
| MAX   | 450   | 2,330 | 2,000  | 203   | 206   | 471   | 3,960  | 3,180  | 682   | 501   | 481   | 1,120 |
| MIN   | 18    | 62    | 102    | 51    | 45    | 53    | 379    | 131    | 61    | 30    | 15    | 41    |
| CFSM  | 0.83  | 2.74  | 4.15   | 1.21  | 0.85  | 0.90  | 14.2   | 5.91   | 2.41  | 0.82  | 0.70  | 2.05  |
| IN.   | 0.96  | 3.06  | 4.78   | 1.39  | 0.89  | 1.04  | 15.79  | 6.82   | 2.69  | 0.94  | 0.81  | 2.29  |

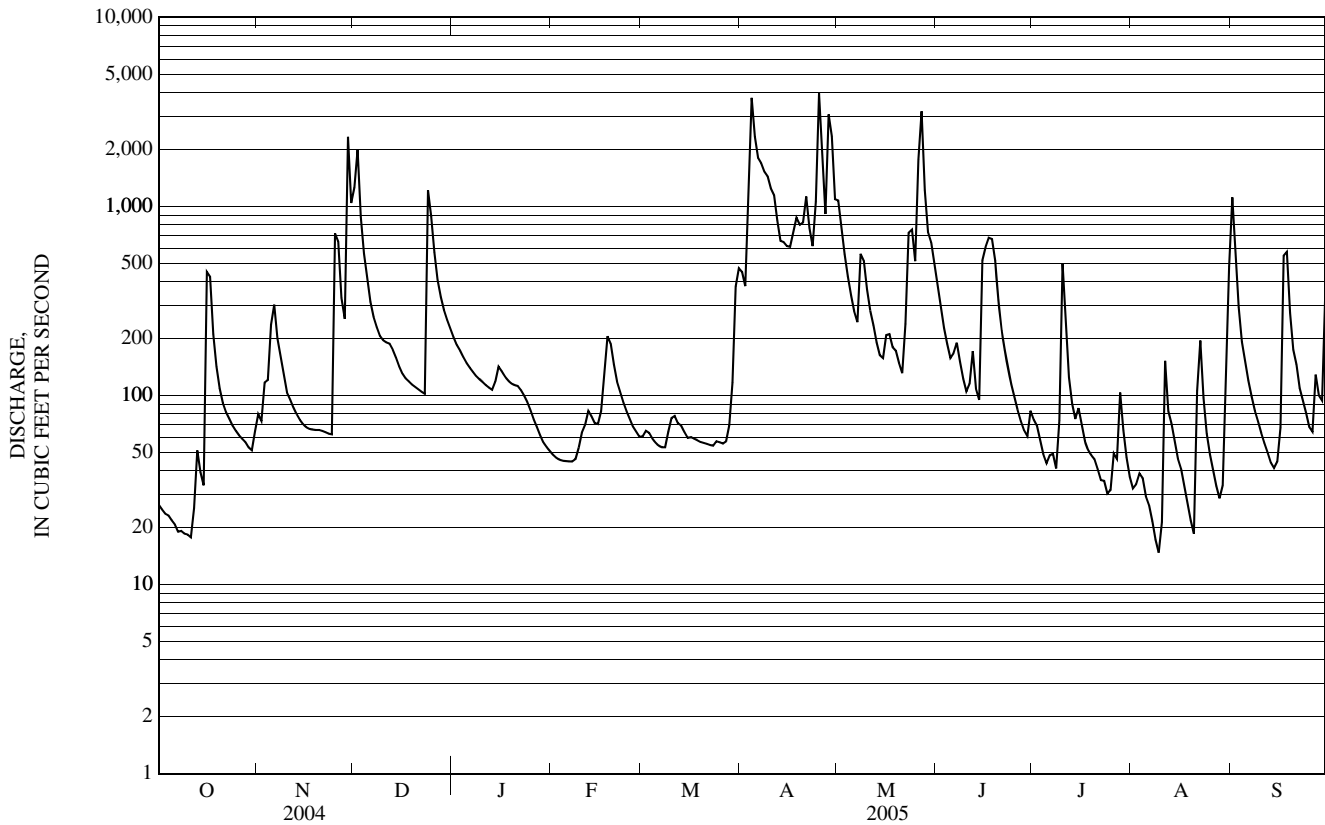
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

|      | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 149    | 197    | 234    | 83.9   | 84.0   | 319    | 738    | 256    | 177    |
| MAX  | 583    | 427    | 720    | 201    | 186    | 665    | 1,350  | 564    | 535    |
| (WY) | (2004) | (2004) | (2004) | (1999) | (1998) | (1998) | (2005) | (2005) | (1998) |
| MIN  | 23.5   | 23.3   | 47.8   | 30.6   | 24.5   | 69.8   | 436    | 115    | 55.8   |
| (WY) | (2002) | (2002) | (2002) | (2003) | (2003) | (2001) | (1999) | (1999) | (2000) |

e Estimated

## 01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1997 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 64,757                 |        | 106,309             |        | 201                     |              |
| ANNUAL MEAN              | 177                    |        | 291                 |        | 291                     | 2005         |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 125                     | 2003         |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 4,160                   | Dec 18, 2003 |
| HIGHEST DAILY MEAN       | 2,330                  | Nov 29 | 3,960               | Apr 25 | 1.2                     | Aug 19, 2001 |
| LOWEST DAILY MEAN        | 15                     | Jun 29 | 15                  | Aug 9  | 1.4                     | Aug 14, 2001 |
| ANNUAL SEVEN-DAY MINIMUM | 18                     | Jun 26 | 19                  | Oct 5  | 5,470                   | May 26, 2005 |
| MAXIMUM PEAK FLOW        |                        |        | 5,470               | May 26 | 18.43                   | Dec 20, 2003 |
| MAXIMUM PEAK STAGE       |                        |        | 13.25               | Apr 3  | 1.1                     | Aug 20, 2001 |
| INSTANTANEOUS LOW FLOW   |                        |        | 12                  | Aug 10 | 2.11                    |              |
| ANNUAL RUNOFF (CFSM)     | 1.85                   |        | 3.05                |        | 28.68                   |              |
| ANNUAL RUNOFF (INCHES)   | 25.25                  |        | 41.45               |        | 546                     |              |
| 10 PERCENT EXCEEDS       | 449                    |        | 742                 |        | 68                      |              |
| 50 PERCENT EXCEEDS       | 77                     |        | 105                 |        | 15                      |              |
| 90 PERCENT EXCEEDS       | 28                     |        | 40                  |        |                         |              |



## 01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45° 10'30", long 69° 18'53", Piscataquis County, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.

DRAINAGE AREA.--298 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: August 1902 to current year. Daily gage height and monthly discharge only for August to September 1902.

CHEMICAL ANALYSES: Water year 1955.

WATER TEMPERATURE: May 1987 to September 1989.

REVISED RECORDS.--WSP 279: 1902. WSP 1201: 1903-17, 1918-30(M), 1934-35. WSP 1301: 1909(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 358.47 ft above National Geodetic Vertical Datum of 1929. Prior to July 20, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 13-24, Dec. 6-25, Dec. 27 to Apr. 2, and period of no gage-height record, June 29 to July 1, which are fair. Low flow may be regulated by operation of mills above station. Telephone and satellite telemeters at station. Gage is operated in conjunction with a co-located precipitation gage (station 451031069185301). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,300 ft<sup>3</sup>/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft<sup>3</sup>/s on basis of slope-area measurement; minimum discharge, 5.0 ft<sup>3</sup>/s, Aug. 6, 1905, Nov. 22, 1908.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 29 | 1315 | 7,450                             | 8.99                | Apr 29 | 0100 | 10,800                            | 11.17               |
| Dec 2  | 0415 | 6,820                             | 8.56                | May 27 | 0600 | 11,500                            | 11.59               |
| Apr 4  | 0730 | 9,570                             | 10.43               | Sept 1 | 1200 | 4,110                             | 6.59                |
| Apr 25 | 1845 | *12,600                           | *12.19              |        |      |                                   |                     |

Minimum discharge, 49 ft<sup>3</sup>/s, Oct. 11, gage height, 1.80 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT   | NOV    | DEC    | JAN   | FEB   | MAR    | APR     | MAY    | JUN    | JUL   | AUG   | SEP    |
|-------|-------|--------|--------|-------|-------|--------|---------|--------|--------|-------|-------|--------|
| 1     | 76    | 203    | 2,740  | e527  | e138  | e150   | e1,460  | 3,420  | 1,390  | e262  | 96    | 3,550  |
| 2     | 75    | 198    | 5,560  | e477  | e137  | e161   | e1,360  | 2,530  | 1,040  | 224   | 207   | 1,910  |
| 3     | 70    | 257    | 2,860  | e441  | e136  | e161   | 3,560   | 1,800  | 807    | 189   | 196   | 982    |
| 4     | 66    | 303    | 1,800  | e408  | e135  | e154   | 8,870   | 1,340  | 650    | 162   | 147   | 616    |
| 5     | 63    | 439    | 1,320  | e373  | e134  | e150   | 6,970   | 1,080  | 534    | 140   | 112   | 439    |
| 6     | 60    | 678    | e917   | e354  | e136  | e148   | 5,570   | 896    | 513    | 148   | 95    | 336    |
| 7     | 58    | 533    | e747   | e343  | e141  | e148   | 5,300   | 773    | 616    | 168   | 83    | 274    |
| 8     | 56    | 442    | e635   | e324  | e142  | e163   | 4,750   | 1,250  | 519    | 147   | 72    | 230    |
| 9     | 56    | 355    | e568   | e315  | e157  | e293   | 4,740   | 1,310  | 415    | 173   | 64    | 199    |
| 10    | 53    | 282    | e530   | e302  | e182  | e293   | 3,910   | 1,010  | 350    | 1,160 | 61    | 173    |
| 11    | 51    | 254    | e512   | e291  | e308  | e289   | 3,610   | 812    | 321    | 799   | 296   | 152    |
| 12    | 52    | 229    | e506   | e285  | e282  | e270   | 2,670   | 681    | 374    | 455   | 283   | 135    |
| 13    | 76    | e197   | e478   | e274  | e257  | e245   | 1,970   | 559    | 295    | 304   | 202   | 120    |
| 14    | 82    | e178   | e437   | e268  | e234  | e226   | 1,740   | 473    | 265    | 236   | 179   | 111    |
| 15    | 75    | e168   | e413   | e306  | e222  | e209   | 1,640   | 442    | 888    | 378   | 142   | 115    |
| 16    | 565   | e162   | e395   | e309  | e220  | e197   | 1,580   | 546    | 1,320  | 406   | 130   | 155    |
| 17    | 1,110 | e157   | e378   | e296  | e240  | e185   | 1,910   | 585    | 1,540  | 283   | 106   | 801    |
| 18    | 681   | e155   | e362   | e280  | e407  | e173   | 2,560   | 522    | 1,780  | 209   | 87    | 1,490  |
| 19    | 449   | e155   | e348   | e267  | e413  | e163   | 2,540   | 483    | 1,440  | 175   | 73    | 834    |
| 20    | 327   | e155   | e333   | e267  | e360  | e152   | 2,630   | 411    | 977    | 157   | 66    | 543    |
| 21    | 259   | e153   | e322   | e266  | e292  | e144   | 3,340   | 354    | 691    | 136   | 147   | 411    |
| 22    | 223   | e151   | e312   | e246  | e254  | e143   | 2,490   | 458    | 525    | 120   | 450   | 311    |
| 23    | 200   | e149   | e304   | e227  | e219  | e143   | 1,880   | 1,190  | 414    | 119   | 267   | 259    |
| 24    | 180   | e148   | e2,590 | e206  | e195  | e150   | 2,530   | 1,560  | 333    | 104   | 173   | 218    |
| 25    | 166   | 1,120  | e2,630 | e186  | e176  | e143   | 10,100  | 1,150  | 284    | 104   | 135   | 183    |
| 26    | 155   | 1,550  | 1,580  | e169  | e162  | e149   | 7,180   | 2,860  | 239    | 134   | 107   | 170    |
| 27    | 147   | 924    | e1,080 | e159  | e154  | e145   | 3,700   | 9,520  | 210    | 136   | 89    | 251    |
| 28    | 138   | 694    | e866   | e150  | e148  | e156   | 6,750   | 4,800  | 186    | 234   | 77    | 258    |
| 29    | 129   | 5,320  | e732   | e147  | ---   | e240   | 8,260   | 2,660  | e178   | 188   | 81    | 234    |
| 30    | 123   | 3,590  | e651   | e142  | ---   | e897   | 4,270   | 2,150  | e166   | 137   | 291   | 683    |
| 31    | 146   | ---    | e579   | e138  | ---   | e1,370 | ---     | 1,890  | ---    | 107   | 996   | ---    |
| TOTAL | 5,967 | 19,299 | 33,485 | 8,743 | 5,981 | 7,610  | 119,840 | 49,515 | 19,260 | 7,694 | 5,510 | 16,143 |
| MEAN  | 192   | 643    | 1,080  | 282   | 214   | 245    | 3,995   | 1,597  | 642    | 248   | 178   | 538    |
| MAX   | 1,110 | 5,320  | 5,560  | 527   | 413   | 1,370  | 10,100  | 9,520  | 1,780  | 1,160 | 996   | 3,550  |
| MIN   | 51    | 148    | 304    | 138   | 134   | 143    | 1,360   | 354    | 166    | 104   | 61    | 111    |
| CFSM  | 0.65  | 2.16   | 3.62   | 0.95  | 0.72  | 0.82   | 13.4    | 5.36   | 2.15   | 0.83  | 0.60  | 1.81   |
| IN.   | 0.74  | 2.41   | 4.18   | 1.09  | 0.75  | 0.95   | 14.96   | 6.18   | 2.40   | 0.96  | 0.69  | 2.02   |

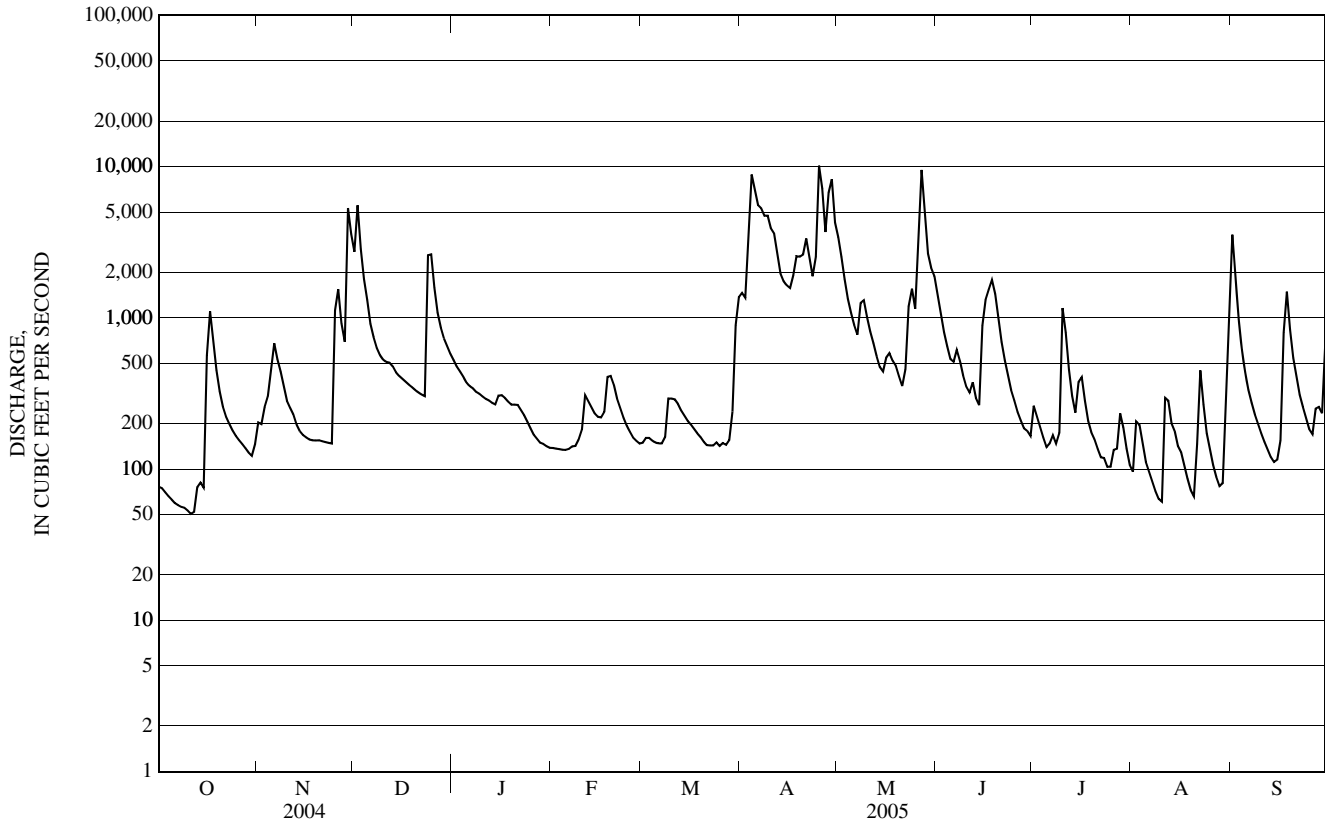
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 397    | 674    | 559    | 307    | 271    | 606    | 2,090  | 1,249  | 469    | 240    | 171    | 187    |
| MAX  | 1,910  | 2,468  | 2,699  | 1,441  | 1,582  | 3,791  | 3,995  | 3,399  | 1,916  | 1,378  | 974    | 1,461  |
| (WY) | (1978) | (1964) | (1974) | (1996) | (1970) | (1936) | (2005) | (1969) | (1917) | (1996) | (1917) | (1954) |
| MIN  | 35.2   | 39.0   | 47.5   | 61.5   | 31.2   | 105    | 766    | 286    | 68.8   | 42.9   | 14.6   | 16.7   |
| (WY) | (1948) | (1911) | (1979) | (1918) | (1980) | (1967) | (1981) | (1903) | (1921) | (1965) | (2001) | (1948) |

e Estimated

## 01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1903 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 181,025                |        | 299,047             |        | 601                     |              |
| ANNUAL MEAN              | 495                    |        | 819                 |        | 238                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 990                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 238                     |              |
| HIGHEST DAILY MEAN       | 5,560                  | Dec 2  | 10,100              | Apr 25 | 31,700                  | Apr 1, 1987  |
| LOWEST DAILY MEAN        | 51                     | Oct 11 | 51                  | Oct 11 | 5.0                     | Aug 6, 1905  |
| ANNUAL SEVEN-DAY MINIMUM | 55                     | Oct 6  | 55                  | Oct 6  | 9.5                     | Sep 11, 2001 |
| MAXIMUM PEAK FLOW        |                        |        | 12,600              | Apr 25 | 37,300                  | Apr 1, 1987  |
| MAXIMUM PEAK STAGE       |                        |        | 12.19               | Apr 25 | 22.62                   | Apr 1, 1987  |
| INSTANTANEOUS LOW FLOW   |                        |        | 49                  | Oct 11 | 5.0                     | Aug 6, 1905  |
| ANNUAL RUNOFF (CFSM)     | 1.66                   |        | 2.75                |        | 2.02                    |              |
| ANNUAL RUNOFF (INCHES)   | 22.60                  |        | 37.33               |        | 27.42                   |              |
| 10 PERCENT EXCEEDS       | 1,130                  |        | 2,290               |        | 1,550                   |              |
| 50 PERCENT EXCEEDS       | 232                    |        | 283                 |        | 250                     |              |
| 90 PERCENT EXCEEDS       | 82                     |        | 120                 |        | 54                      |              |



## 01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45° 15'38", long 68° 52'07", Piscataquis County, Hydrologic Unit 01020004, on left bank 2.0 mi southwest of Medford, and 3.3 mi downstream from Pleasant River.

DRAINAGE AREA.--1,162 mi<sup>2</sup>.

PERIOD OF RECORD.--

DISCHARGE: June 1924 to September 1982, October 1989 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 1231: 1936. WSP 1301: 1925-29(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 248.68 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 14, 1929, nonrecording gage at site 1.8 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 8-23 and Dec. 27 to Mar. 31, which are poor. Flow regulated by Sebec Lake, 15 mi upstream, and other small reservoirs and power plants above station, usable capacity about 2.511 billion ft<sup>3</sup>. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft<sup>3</sup>/s, Nov. 4, 1966, gage height, 15.58 ft; minimum discharge, 77 ft<sup>3</sup>/s, Sept. 20, 2001, gage height, 1.10 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1923 reached a stage of 20.8 ft, former site and datum, discharge not determined. Maximum discharge since at least 1923, 85,000 ft<sup>3</sup>/s, Apr. 1, 1987, gage height 18.65 ft, present datum, from floodmarks, from rating curve extended above 32,000 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft<sup>3</sup>/s and maximum (\*):

| Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) | Date   | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|--------|------|-----------------------------------|---------------------|--------|------|-----------------------------------|---------------------|
| Nov 29 | 2300 | 15,100                            | 8.13                | Apr 26 | 0730 | 29,600                            | 11.03               |
| Dec 2  | 1500 | 16,800                            | 8.52                | Apr 29 | 1630 | *35,800                           | *12.11              |
| Apr 5  | 0315 | 23,800                            | 9.97                | May 27 | 2045 | 22,600                            | 9.75                |

Minimum discharge, 321 ft<sup>3</sup>/s, Oct. 7-8, gage height, 1.81 ft.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC     | JAN    | FEB    | MAR    | APR     | MAY     | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|---------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 1     | 731    | 658    | 7,680   | e2,180 | e567   | e623   | 6,170   | 18,600  | 5,810  | 1,360  | 1,120  | 10,500 |
| 2     | 509    | 916    | 14,800  | e1,990 | e546   | e609   | 5,820   | 14,800  | 4,760  | 1,470  | 1,810  | 9,780  |
| 3     | 419    | 955    | 12,600  | e1,820 | e527   | e637   | 7,960   | 11,200  | 4,110  | 1,210  | 2,130  | 6,410  |
| 4     | 333    | 1,090  | 8,560   | e1,680 | e513   | e632   | 19,100  | 8,880   | 3,530  | 767    | 1,850  | 4,730  |
| 5     | 376    | 1,350  | 6,550   | e1,560 | e506   | e600   | 23,300  | 7,230   | 3,070  | 667    | 1,390  | 3,710  |
| 6     | 373    | 1,870  | 4,930   | e1,460 | e498   | e592   | 20,900  | 6,060   | 2,770  | 638    | 981    | 3,030  |
| 7     | 338    | 1,840  | 4,050   | e1,380 | e490   | e579   | 18,800  | 5,210   | 3,070  | 649    | 696    | 2,550  |
| 8     | 345    | 1,650  | e3,330  | e1,320 | e482   | e592   | 16,800  | 6,240   | 2,890  | 652    | 525    | 2,240  |
| 9     | 351    | 1,450  | e2,920  | e1,270 | e488   | e975   | 15,700  | 7,140   | 2,510  | 686    | 489    | 2,060  |
| 10    | 369    | 1,270  | e2,680  | e1,220 | e559   | e1,220 | 13,900  | 6,110   | 1,920  | 2,290  | 474    | 1,930  |
| 11    | 356    | 1,160  | e2,480  | e1,190 | e882   | e1,280 | 12,600  | 5,110   | 1,340  | 3,310  | 585    | 1,770  |
| 12    | 336    | 1,110  | e2,380  | e1,150 | e1,170 | e1,210 | 10,800  | 4,400   | 1,760  | 2,490  | 996    | 1,590  |
| 13    | 367    | 1,020  | e2,290  | e1,120 | e1,110 | e1,090 | 8,820   | 3,840   | 1,590  | 2,090  | 915    | 758    |
| 14    | 366    | 956    | e2,120  | e1,090 | e1,020 | e946   | 7,620   | 3,420   | 1,350  | 1,940  | 791    | 743    |
| 15    | 402    | 927    | e1,740  | e1,210 | e973   | e867   | 6,960   | 3,190   | 2,630  | 3,010  | 741    | 708    |
| 16    | 637    | 923    | e1,630  | e1,260 | e941   | e813   | 6,400   | 3,420   | 4,260  | 2,890  | 676    | 741    |
| 17    | 2,880  | 925    | e1,540  | e1,190 | e969   | e790   | 6,340   | 3,750   | 4,660  | 2,330  | 682    | 1,350  |
| 18    | 2,750  | 858    | e1,480  | e1,120 | e1,470 | e754   | 7,190   | 3,540   | 5,190  | 1,520  | 975    | 4,060  |
| 19    | 2,160  | 868    | e1,400  | e1,060 | e1,750 | e708   | 7,690   | 2,480   | 4,540  | 1,630  | 897    | 3,510  |
| 20    | 1,790  | 842    | e1,330  | e1,020 | e1,610 | e672   | 7,710   | 1,940   | 3,710  | 1,600  | 461    | 2,680  |
| 21    | 1,570  | 891    | e1,290  | e1,020 | e1,310 | e656   | 9,030   | 1,560   | 2,980  | 1,720  | 451    | 2,570  |
| 22    | 1,420  | 895    | e1,260  | e981   | e1,120 | e572   | 8,300   | 1,580   | 2,320  | 1,620  | 1,080  | 2,250  |
| 23    | 1,330  | 868    | e1,230  | e943   | e976   | e603   | 6,820   | 2,900   | 1,900  | 1,380  | 1,250  | 1,880  |
| 24    | 1,040  | 840    | 4,020   | e867   | e867   | e579   | 7,270   | 4,690   | 1,360  | 710    | 1,330  | 1,100  |
| 25    | 1,180  | 1,870  | 8,760   | e781   | e790   | e556   | 18,400  | 4,000   | 1,520  | 689    | 1,190  | 950    |
| 26    | 1,200  | 4,410  | 6,930   | e724   | e740   | e547   | 27,700  | 5,200   | 1,040  | 859    | 1,010  | 1,050  |
| 27    | 1,120  | 3,380  | e5,260  | e683   | e686   | e542   | 17,600  | 19,700  | 907    | 902    | 565    | 1,650  |
| 28    | 658    | 2,530  | e4,030  | e651   | e648   | e558   | 18,300  | 17,800  | 765    | 1,250  | 500    | 1,810  |
| 29    | 561    | 9,270  | e3,260  | e629   | ---    | e827   | 33,900  | 10,400  | 764    | 1,300  | 513    | 1,580  |
| 30    | 486    | 11,500 | e2,780  | e604   | ---    | e3,140 | 27,800  | 8,080   | 1,060  | 1,410  | 1,230  | 1,930  |
| 31    | 494    | ---    | e2,450  | e581   | ---    | e5,100 | ---     | 6,950   | ---    | 1,260  | 3,400  | ---    |
| TOTAL | 27,247 | 59,092 | 127,760 | 35,754 | 24,208 | 29,869 | 405,700 | 209,420 | 80,086 | 46,299 | 31,703 | 81,620 |
| MEAN  | 879    | 1,970  | 4,121   | 1,153  | 865    | 964    | 13,520  | 6,755   | 2,670  | 1,494  | 1,023  | 2,721  |
| MAX   | 2,880  | 11,500 | 14,800  | 2,180  | 1,750  | 5,100  | 33,900  | 19,700  | 5,810  | 3,310  | 3,400  | 10,500 |
| MIN   | 333    | 658    | 1,230   | 581    | 482    | 542    | 5,820   | 1,560   | 764    | 638    | 451    | 708    |
| CFSM  | 0.76   | 1.70   | 3.55    | 0.99   | 0.74   | 0.83   | 11.6    | 5.81    | 2.30   | 1.29   | 0.88   | 2.34   |
| IN.   | 0.87   | 1.89   | 4.09    | 1.14   | 0.77   | 0.96   | 12.99   | 6.70    | 2.56   | 1.48   | 1.01   | 2.61   |

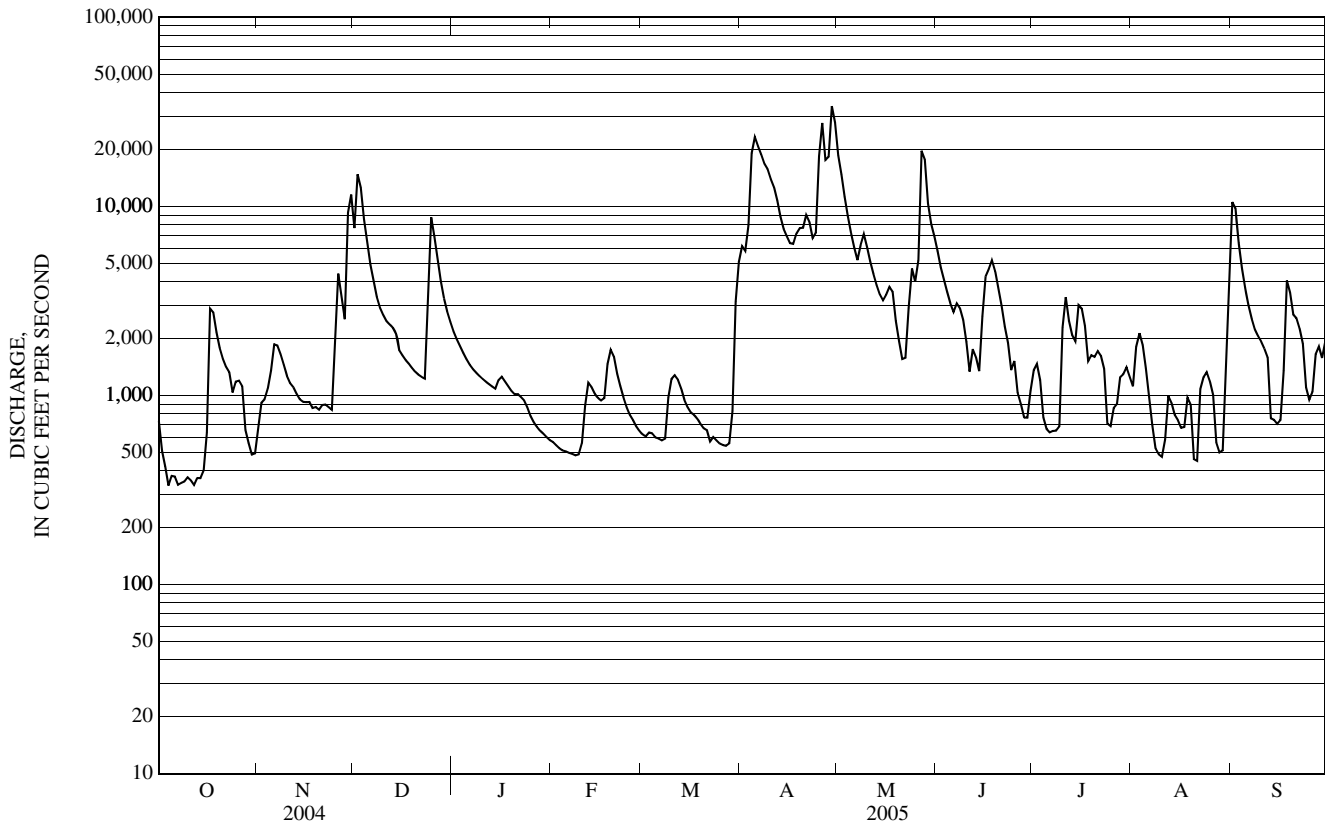
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

|      | MEAN   | 2,616  | 2,342  | 1,404  | 1,352  | 2,330  | 7,244  | 4,659  | 1,876  | 1,065  | 772    | 937    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MAX  | 6,289  | 7,672  | 11,590 | 4,834  | 5,659  | 14,520 | 13,520 | 10,920 | 4,678  | 5,162  | 3,686  | 5,426  |
| (WY) | (1978) | (1964) | (1974) | (1996) | (1970) | (1936) | (2005) | (1969) | (1931) | (1996) | (1954) | (1954) |
| MIN  | 276    | 325    | 363    | 339    | 334    | 513    | 2,876  | 1,315  | 623    | 249    | 151    | 149    |
| (WY) | (1936) | (2002) | (1930) | (1948) | (1980) | (1967) | (1981) | (1999) | (1941) | (1991) | (2001) | (1995) |

e Estimated

## 01034000 PISCATAQUIS RIVER AT MEDFORD, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |       | FOR 2005 WATER YEAR |        | WATER YEARS 1924 - 2005 |  |
|--------------------------|------------------------|-------|---------------------|--------|-------------------------|--|
| ANNUAL TOTAL             | 679,229                |       | 1,158,758           |        | 2,349                   |  |
| ANNUAL MEAN              | 1,856                  |       | 3,175               |        | 3,715                   |  |
| HIGHEST ANNUAL MEAN      |                        |       |                     |        | 1,254                   |  |
| LOWEST ANNUAL MEAN       |                        |       |                     |        | 52,900                  |  |
| HIGHEST DAILY MEAN       | 14,800                 | Dec 2 | 33,900              | Apr 29 | Nov 4, 1966             |  |
| LOWEST DAILY MEAN        | 333                    | Oct 4 | 333                 | Oct 4  | Sep 20, 2001            |  |
| ANNUAL SEVEN-DAY MINIMUM | 352                    | Oct 7 | 352                 | Oct 7  | Sep 16, 2001            |  |
| MAXIMUM PEAK FLOW        |                        |       | 35,800              | Apr 29 | 60,100                  |  |
| MAXIMUM PEAK STAGE       |                        |       | 12.11               | Apr 29 | 15.58                   |  |
| INSTANTANEOUS LOW FLOW   |                        |       | 321                 | Oct 7  | 77                      |  |
| ANNUAL RUNOFF (CFSM)     | 1.60                   |       | 2.73                |        | 2.02                    |  |
| ANNUAL RUNOFF (INCHES)   | 21.74                  |       | 37.10               |        | 27.46                   |  |
| 10 PERCENT EXCEEDS       | 4,080                  |       | 7,700               |        | 5,640                   |  |
| 50 PERCENT EXCEEDS       | 1,020                  |       | 1,360               |        | 1,200                   |  |
| 90 PERCENT EXCEEDS       | 433                    |       | 560                 |        | 418                     |  |



## 01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

LOCATION.--Lat 45° 14'10", long 68° 39'05", Penobscot County, Hydrologic Unit 01020005, on left bank 20 ft upstream from State Route 6/155 highway bridge, 1,000 ft downstream from Piscataquis River, and at West Enfield.

DRAINAGE AREA.--6,671 mi<sup>2</sup>, including 249 mi<sup>2</sup> drained by Chamberlain Lake through Telos Canal.

## PERIOD OF RECORD.--

DISCHARGE: November 1901 to current year. Daily gage height and monthly discharge only for November 1901 to September 1902. Prior to 1904, published as "at Montague."

CHEMICAL ANALYSES: Water years 1966 to 1978.

SPECIFIC CONDUCTANCE: October 1973 to September 1978.

WATER TEMPERATURE: July 1966 to September 1978.

REVISED RECORDS.--WSP 279: 1902-10. WSP 1171: 1940. WSP 1231: 1902-13. WDR ME-81-1: Drainage area. WDR ME-97-1; 1992(M).

GAGE.--Water-stage recorder. Datum of gage is 125.94 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 11, 1912, nonrecording gage 50 ft downstream at same datum. Dec. 11, 1912 to June 24, 1998, water-stage recorder at site 50 ft downstream at same datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 6-23, Dec. 28 to Apr. 5, and period of no gage-height record, Mar. 30 to Apr. 1, which are fair. Flow regulated by many reservoirs above station, combined capacity about 54.336 billion ft<sup>3</sup>. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153,000 ft<sup>3</sup>/s, May 1, 1923, gage height, 25.15 ft; minimum daily discharge, 1,630 ft<sup>3</sup>/s, Oct. 29, 1905.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107,000 ft<sup>3</sup>/s, Apr. 29, gage height, 19.76 ft; minimum daily discharge, 4,120 ft<sup>3</sup>/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY   | OCT     | NOV     | DEC     | JAN     | FEB     | MAR     | APR       | MAY       | JUN     | JUL     | AUG     | SEP     |
|-------|---------|---------|---------|---------|---------|---------|-----------|-----------|---------|---------|---------|---------|
| 1     | 6,700   | 4,480   | 25,100  | e12,500 | e6,630  | e6,130  | e23,800   | 86,000    | 29,900  | 8,090   | 7,050   | 21,500  |
| 2     | 6,560   | 4,640   | 34,100  | e12,800 | e6,500  | e6,440  | e25,800   | 75,800    | 26,100  | 7,630   | 7,910   | 27,900  |
| 3     | 6,630   | 4,970   | 36,400  | e11,800 | e6,340  | e6,510  | e31,500   | 64,700    | 23,900  | 7,810   | 9,230   | 21,600  |
| 4     | 6,490   | 5,260   | 29,300  | e10,900 | e6,220  | e6,270  | e49,700   | 53,600    | 20,400  | 6,560   | 9,340   | 17,500  |
| 5     | 6,610   | 5,790   | 24,700  | e10,300 | e6,120  | e6,110  | e61,100   | 46,800    | 17,400  | 6,480   | 8,420   | 13,900  |
| 6     | 6,650   | 6,870   | e19,600 | e9,590  | e6,030  | e6,460  | 60,300    | 40,600    | 16,000  | 6,000   | 7,620   | 12,100  |
| 7     | 6,480   | 7,500   | e15,900 | e9,040  | e5,920  | e6,300  | 58,500    | 34,800    | 15,100  | 6,650   | 6,350   | 10,700  |
| 8     | 6,250   | 6,920   | e14,500 | e8,610  | e5,830  | e6,140  | 56,200    | 38,600    | 13,500  | 5,870   | 6,620   | 9,880   |
| 9     | 6,240   | 6,950   | e13,500 | e8,230  | e5,760  | e6,080  | 54,300    | 44,300    | 12,900  | 6,370   | 6,090   | 9,610   |
| 10    | 6,010   | 6,110   | e12,900 | e7,870  | e5,770  | e6,820  | 52,400    | 40,500    | 12,300  | 8,230   | 5,550   | 9,450   |
| 11    | 5,800   | 5,880   | e11,300 | e7,640  | e6,000  | e7,220  | 49,200    | 35,700    | 11,300  | 11,600  | 6,010   | 8,460   |
| 12    | 5,650   | 5,930   | e10,800 | e7,430  | e6,090  | e7,470  | 44,100    | 30,000    | 11,000  | 10,700  | 5,850   | 7,970   |
| 13    | 5,700   | 5,480   | e10,700 | e7,210  | e5,990  | e7,700  | 39,400    | 26,100    | 10,600  | 9,210   | 6,260   | 7,370   |
| 14    | 5,610   | 5,030   | e9,910  | e7,050  | e5,850  | e7,540  | 35,500    | 23,200    | 11,400  | 8,660   | 6,020   | 6,250   |
| 15    | 5,390   | 5,050   | e8,350  | e8,140  | e6,310  | e7,210  | 31,300    | 20,400    | 11,700  | 9,220   | 6,010   | 6,890   |
| 16    | 4,460   | 4,950   | e7,740  | e10,900 | e7,220  | e7,170  | 28,700    | 19,100    | 12,700  | 10,100  | 5,240   | 6,960   |
| 17    | 7,470   | 4,930   | e7,500  | e10,700 | e7,800  | e7,280  | 26,600    | 20,000    | 17,800  | 9,290   | 4,900   | 7,110   |
| 18    | 8,850   | 4,630   | e7,470  | e9,980  | e8,400  | e7,320  | 26,800    | 19,000    | 20,300  | 8,440   | 5,580   | 10,700  |
| 19    | 8,180   | 4,970   | e7,270  | e9,680  | e8,700  | e7,250  | 27,300    | 17,900    | 20,100  | 7,730   | 5,720   | 11,900  |
| 20    | 7,570   | 4,780   | e6,870  | e10,300 | e8,440  | e7,240  | 28,400    | 14,700    | 18,000  | 8,790   | 5,220   | 11,500  |
| 21    | 6,920   | 4,820   | e6,760  | e10,400 | e7,950  | e7,140  | 31,300    | 13,800    | 15,900  | 8,190   | 5,290   | 11,300  |
| 22    | 6,400   | 4,930   | e7,060  | e9,810  | e7,310  | e7,030  | 31,900    | 14,500    | 14,600  | 7,830   | 6,080   | 10,700  |
| 23    | 6,400   | 4,720   | e8,080  | e9,090  | e7,580  | e7,070  | 29,000    | 16,500    | 12,900  | 7,390   | 7,620   | 9,640   |
| 24    | 5,750   | 4,680   | 13,500  | e8,500  | e7,450  | e7,100  | 27,900    | 20,700    | 11,200  | 6,920   | 6,990   | 8,750   |
| 25    | 5,280   | 5,910   | 23,500  | e8,130  | e7,050  | e7,100  | 41,700    | 22,200    | 9,820   | 6,360   | 5,350   | 7,500   |
| 26    | 5,510   | 11,300  | 23,600  | e7,850  | e6,810  | e7,100  | 67,600    | 23,200    | 10,000  | 6,990   | 5,220   | 7,900   |
| 27    | 5,530   | 11,900  | 19,400  | e7,620  | e6,940  | e7,130  | 63,600    | 42,400    | 9,040   | 6,870   | 4,850   | 9,290   |
| 28    | 4,700   | 10,800  | e16,900 | e7,360  | e6,470  | e7,270  | 67,400    | 48,900    | 7,780   | 7,930   | 4,120   | 9,750   |
| 29    | 4,400   | 17,900  | e15,000 | e7,190  | ---     | e9,500  | 99,300    | 39,200    | 7,210   | 7,770   | 4,980   | 10,400  |
| 30    | 4,280   | 29,200  | e14,100 | e7,010  | ---     | e13,700 | 101,000   | 34,500    | 7,360   | 7,350   | 5,510   | 10,800  |
| 31    | 4,180   | ---     | e13,200 | e6,810  | ---     | e18,800 | ---       | 32,300    | ---     | 7,140   | 11,500  | ---     |
| TOTAL | 188,650 | 217,280 | 475,010 | 280,440 | 189,480 | 235,600 | 1,371,600 | 1,060,000 | 438,210 | 244,170 | 198,500 | 335,280 |
| MEAN  | 6,085   | 7,243   | 15,320  | 9,046   | 6,767   | 7,600   | 45,720    | 34,190    | 14,610  | 7,876   | 6,403   | 11,180  |
| MAX   | 8,850   | 29,200  | 36,400  | 12,800  | 8,700   | 18,800  | 101,000   | 86,000    | 29,900  | 11,600  | 11,500  | 27,900  |
| MIN   | 4,180   | 4,480   | 6,760   | 6,810   | 5,760   | 6,080   | 23,800    | 13,800    | 7,210   | 5,870   | 4,120   | 6,250   |

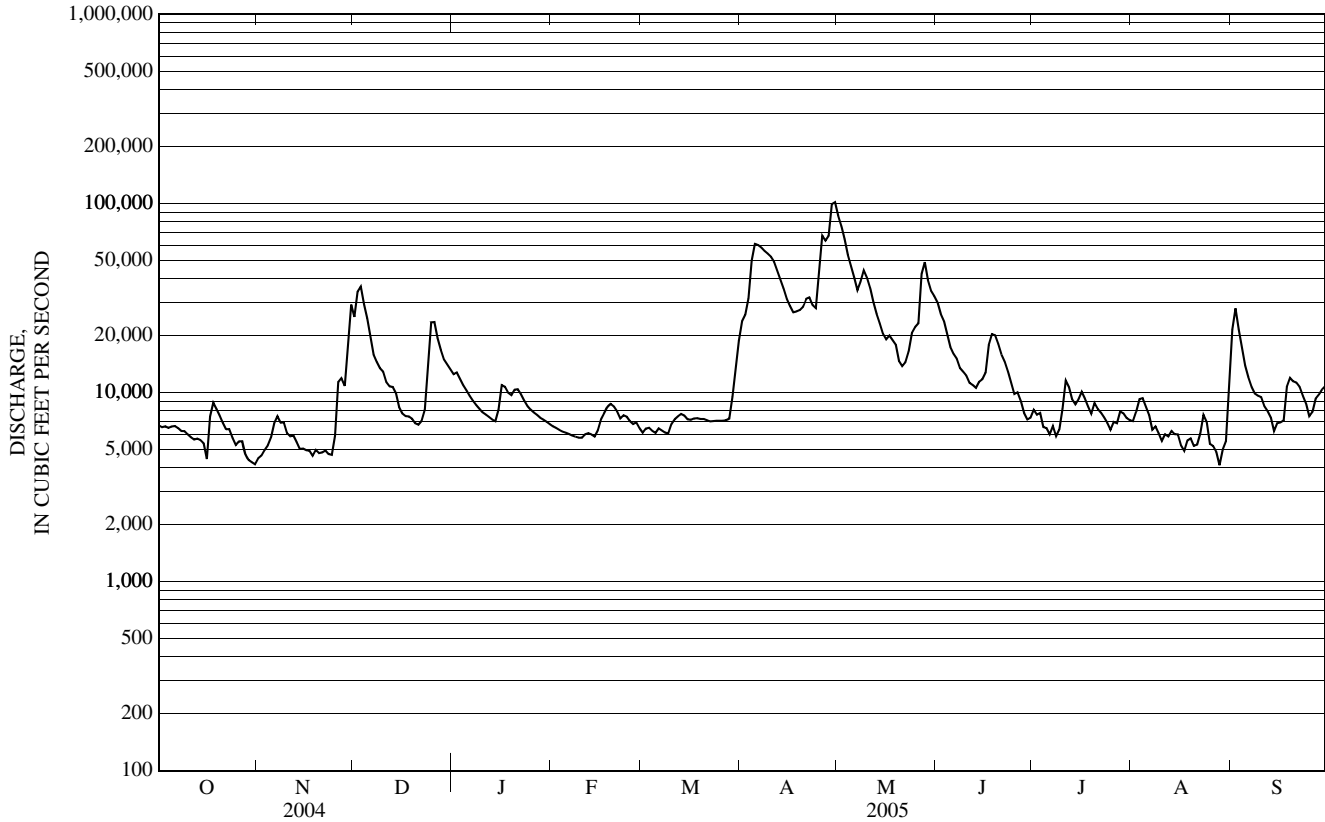
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

|      | MEAN   | MAX    | MIN    | MEAN   | MAX    | MIN    | MEAN   | MAX    | MIN    | MEAN   | MAX    | MIN    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| (WY) | (1982) | (1964) | (1974) | (1978) | (1970) | (1936) | (2000) | (1974) | (1917) | (1996) | (1976) | (1954) |
| (WY) | (1904) | (1906) | (1909) | (1904) | (1904) | (1911) | (1926) | (1999) | (1988) | (1991) | (2001) | (1995) |
|      | 8,455  | 28,330 | 2,255  | 11,700 | 32,430 | 2,629  | 10,720 | 34,680 | 3,411  | 7,976  | 21,960 | 1,799  |
|      | 11,700 | 32,430 | 2,629  | 10,720 | 34,680 | 3,411  | 7,976  | 21,960 | 1,799  | 11,000 | 46,110 | 2,449  |
|      | 23,590 | 51,060 | 9,163  | 23,590 | 51,060 | 9,163  | 23,590 | 51,060 | 9,163  | 23,590 | 51,060 | 9,163  |
|      | 11,610 | 46,430 | 4,079  | 11,610 | 46,430 | 4,079  | 11,610 | 46,430 | 4,079  | 11,610 | 46,430 | 4,079  |
|      | 7,685  | 24,490 | 4,028  | 7,685  | 24,490 | 4,028  | 7,685  | 24,490 | 4,028  | 7,685  | 24,490 | 4,028  |
|      | 6,434  | 17,460 | 3,229  | 6,434  | 17,460 | 3,229  | 6,434  | 17,460 | 3,229  | 6,434  | 17,460 | 3,229  |
|      | 6,644  | 27,130 | 3,187  | 6,644  | 27,130 | 3,187  | 6,644  | 27,130 | 3,187  | 6,644  | 27,130 | 3,187  |

e Estimated

## 01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR |        | FOR 2005 WATER YEAR |        | WATER YEARS 1903 - 2005 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 3,471,120              |        | 5,234,220           |        | 11,910                  |              |
| ANNUAL MEAN              | 9,484                  |        | 14,340              |        | 17,760                  |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 6,382                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1911                    |              |
| HIGHEST DAILY MEAN       | 36,400                 | Dec 3  | 101,000             | Apr 30 | 152,000                 | May 1, 1923  |
| LOWEST DAILY MEAN        | 3,860                  | Jun 21 | 4,120               | Aug 28 | 1,630                   | Oct 29, 1905 |
| ANNUAL SEVEN-DAY MINIMUM | 4,140                  | Jun 27 | 4,520               | Oct 28 | 1,700                   | Feb 11, 1904 |
| MAXIMUM PEAK FLOW        |                        |        | 107,000             | Apr 29 | 153,000                 | May 1, 1923  |
| MAXIMUM PEAK STAGE       |                        |        | 19.76               | Apr 29 | 25.15                   | May 1, 1923  |
| 10 PERCENT EXCEEDS       | 18,000                 |        | 31,700              |        | 25,500                  |              |
| 50 PERCENT EXCEEDS       | 7,090                  |        | 8,080               |        | 7,760                   |              |
| 90 PERCENT EXCEEDS       | 4,710                  |        | 5,570               |        | 4,520                   |              |



## 01036390 PENOBSCOT RIVER AT EDDINGTON, ME

LOCATION.--Lat 44° 49'36", long 68° 41'48", Penobscot County, Hydrologic Unit 01020005, on left bank 0.4 mi downstream from Veazie Dam at Eddington, on Monument Drive, and 750 ft north of intersection with State Route 178.

DRAINAGE AREA.--7,764 mi<sup>2</sup>, including 249 mi<sup>2</sup> drained by Chamberlain Lake through Telos Canal.

## PERIOD OF RECORD.--

GAGE HEIGHT: October 1998 to current year.

DISCHARGE: April 1979 to September 1996.

CHEMICAL ANALYSES: Water years 1979 to August 1994.

SPECIFIC CONDUCTANCE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

pH: April 1979 to October 1984, seasonal records November 1984 to September 1994.

WATER TEMPERATURE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

DISSOLVED OXYGEN: April 1979 to October 1984, seasonal records November 1984 to September 1994.

GAGE.--Water-stage recorder. Datum of gage is 7.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by regulation of many reservoirs above station, combined capacity about 54.336 billion ft<sup>3</sup>. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height, 18.72 ft, Apr. 30, 2005; minimum gage height, 0.46 ft, Aug. 29, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 23.53 ft, Apr. 3, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.72 ft, Apr. 30; minimum gage height, 1.57 ft, Oct. 15.

GAGE HEIGHT, FEET  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

| DAY  | OCT  | NOV  | DEC   | JAN  | FEB  | MAR  | APR   | MAY   | JUN  | JUL  | AUG  | SEP  |
|------|------|------|-------|------|------|------|-------|-------|------|------|------|------|
| 1    | 3.47 | 2.99 | 8.25  | 5.26 | 5.05 | 3.55 | 8.67  | 18.10 | 9.35 | 3.64 | 3.74 | 5.39 |
| 2    | 3.59 | 3.04 | 8.59  | 5.25 | 4.63 | 3.60 | 8.98  | 16.98 | 8.68 | 3.90 | 3.92 | 7.62 |
| 3    | 3.49 | 3.15 | 10.04 | 5.18 | 4.44 | 3.77 | 9.54  | 15.74 | 8.02 | 3.77 | 4.24 | 7.20 |
| 4    | 3.55 | 3.25 | 9.31  | 5.21 | 4.17 | 3.86 | 11.43 | 14.12 | 7.41 | 3.76 | 4.44 | 6.32 |
| 5    | 3.63 | 3.40 | 8.28  | 4.96 | 4.10 | 3.62 | 14.06 | 12.72 | 6.72 | 3.50 | 4.29 | 5.52 |
| 6    | 3.50 | 3.65 | 7.29  | 4.86 | 4.04 | 3.58 | 14.77 | 11.57 | 6.12 | 3.54 | 4.09 | 5.02 |
| 7    | 3.53 | 3.86 | 6.09  | 4.70 | 4.03 | 3.60 | 14.39 | 10.47 | 5.96 | 3.35 | 3.83 | 4.63 |
| 8    | 3.44 | 3.91 | 5.65  | 4.74 | 3.99 | 3.61 | 13.98 | 10.31 | 5.56 | 3.51 | 3.51 | 4.35 |
| 9    | 3.46 | 3.81 | 5.68  | 4.48 | 3.91 | 3.61 | 13.56 | 11.22 | 5.32 | 3.33 | 3.54 | 4.24 |
| 10   | 3.44 | 3.71 | 5.64  | 4.50 | 3.90 | 3.99 | 13.20 | 11.23 | 5.09 | 3.64 | 3.41 | 4.19 |
| 11   | 3.39 | 3.51 | 5.44  | 4.33 | 3.90 | 3.93 | 12.75 | 10.41 | 4.92 | 4.28 | 3.26 | 4.10 |
| 12   | 3.42 | 3.48 | 5.07  | 4.52 | 3.93 | 3.93 | 12.04 | 9.46  | 4.78 | 4.65 | 3.36 | 3.92 |
| 13   | 3.30 | 3.53 | 5.29  | 4.28 | 3.92 | 4.01 | 11.22 | 8.48  | 4.63 | 4.39 | 3.35 | 3.81 |
| 14   | 3.42 | 3.32 | 5.12  | 4.24 | 3.80 | 3.97 | 10.40 | 7.81  | 4.68 | 4.12 | 3.38 | 3.54 |
| 15   | 3.26 | 3.20 | 4.73  | 4.69 | 3.71 | 3.86 | 9.65  | 7.21  | 4.90 | 4.10 | 3.45 | 3.47 |
| 16   | 3.28 | 3.28 | 4.02  | 5.16 | 3.96 | 3.83 | 8.93  | 6.73  | 5.05 | 4.27 | 3.33 | 3.52 |
| 17   | 3.26 | 3.14 | 3.88  | 5.10 | 4.13 | 3.85 | 8.43  | 6.80  | 5.69 | 4.32 | 3.09 | 3.65 |
| 18   | 4.13 | 3.19 | 3.98  | 5.08 | 4.36 | 3.92 | 8.18  | 6.84  | 6.51 | 4.13 | 3.10 | 4.03 |
| 19   | 4.12 | 3.04 | 4.00  | 4.98 | 4.44 | 3.97 | 8.29  | 6.46  | 6.76 | 3.92 | 3.26 | 4.83 |
| 20   | 4.00 | 3.22 | 4.09  | 4.63 | 4.55 | 3.96 | 8.20  | 6.02  | 6.48 | 3.89 | 3.21 | 4.83 |
| 21   | 3.84 | 3.11 | 4.05  | 4.73 | 4.59 | 4.04 | 8.66  | 5.59  | 5.98 | 4.04 | 3.16 | 4.63 |
| 22   | 3.72 | 3.19 | 4.19  | 5.36 | 4.19 | 4.07 | 9.08  | 5.48  | 5.66 | 3.92 | 3.28 | 4.65 |
| 23   | 3.57 | 3.07 | 4.33  | 5.40 | 4.06 | 4.08 | 8.73  | 5.79  | 5.28 | 3.85 | 3.55 | 4.34 |
| 24   | 3.58 | 3.07 | 5.09  | 5.57 | 4.14 | 4.21 | 8.40  | 6.51  | 4.97 | 3.73 | 3.74 | 4.23 |
| 25   | 3.31 | 3.21 | 6.14  | 5.55 | 4.05 | 4.26 | 9.49  | 7.15  | 4.59 | 3.58 | 3.52 | 3.93 |
| 26   | 3.31 | 4.10 | 6.92  | 5.88 | 3.96 | 4.32 | 12.83 | 7.67  | 4.39 | 3.53 | 3.08 | 3.77 |
| 27   | 3.39 | 4.99 | 5.98  | 6.20 | 3.96 | 4.36 | 14.20 | 9.70  | 4.37 | 3.72 | 3.07 | 3.97 |
| 28   | 3.23 | 4.83 | 5.31  | 6.36 | 4.01 | 4.50 | 14.17 | 12.14 | 4.06 | 3.82 | 2.92 | 4.20 |
| 29   | 3.02 | 5.35 | 5.43  | 6.20 | ---  | 5.16 | 16.39 | 11.45 | 3.70 | 4.00 | 2.82 | 4.28 |
| 30   | 2.97 | 8.00 | 5.33  | 5.78 | ---  | 6.40 | 18.36 | 10.48 | 3.78 | 3.88 | 3.14 | 4.38 |
| 31   | 2.94 | ---  | 5.24  | 5.25 | ---  | 7.73 | ---   | 9.86  | ---  | 3.80 | 3.57 | ---  |
| MEAN | 3.47 | 3.69 | 5.76  | 5.11 | 4.14 | 4.17 | 11.37 | 9.69  | 5.65 | 3.87 | 3.47 | 4.55 |
| MAX  | 4.13 | 8.00 | 10.04 | 6.36 | 5.05 | 7.73 | 18.36 | 18.10 | 9.35 | 4.65 | 4.44 | 7.62 |
| MIN  | 2.94 | 2.99 | 3.88  | 4.24 | 3.71 | 3.55 | 8.18  | 5.48  | 3.70 | 3.33 | 2.82 | 3.47 |

01036390 PENOBSCOT RIVER AT EDDINGTON, ME—Continued

