

## STREAMS TRIBUTARY TO LAKE ONTARIO

04247000 ONEIDA RIVER NEAR EUCLID, NY

LOCATION.--Lat 43°12'18", long 76°13'05", Oswego County, Hydrologic Unit 04140202, on right bank, 50 ft downstream of Morgan Road bridge, 9.2 mi downstream from Oneida Lake, 1.3 mi north of Euclid, and 7.7 mi upstream from mouth at Three Rivers.

DRAINAGE AREA.-- 1,439 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1996 to current year. Records for September 1902 to December 1909, published as "Oneida River near Euclid", and January 1910 to December 1912 and October 1947 to September 1998, published as "Oneida River at Caughtdenoy" (station 04246500) at site 7.6 mi upstream, are not equivalent because of regulation between sites.

GAGE.--Acoustic velocity meter, water-stage recorder, and crest-stage gage. Elevation of gage is 370 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Considerable seasonal regulation by operation of gates in Oneida and Erie (Barge) Canals with a large amount of natural storage in Oneida Lake. Water may be diverted into or received from Mohawk River basin through summit level of Erie (Barge) Canal between New London and Utica. Nearly all of flow from 14 mi<sup>2</sup> of Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone and satellite gage-height telemeters at station.

COOPERATION.--Records of gate openings, lockages, and elevations of water surface in Erie (Barge) Canal above and below Lock 23, furnished by New York State Thruway Authority, Office of Canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 9,380 ft<sup>3</sup>/s, Apr. 15, 16, 2001; minimum daily discharge, 130 ft<sup>3</sup>/s, June 9, 1999. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 7,470 ft<sup>3</sup>/s, May 26; minimum daily discharge, about 340 ft<sup>3</sup>/s, Aug. 9. Maximum and minimum instantaneous discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

| DAY   | OCT    | NOV     | DEC     | JAN     | FEB    | MAR     | APR     | MAY     | JUN    | JUL    | AUG    | SEP     |
|-------|--------|---------|---------|---------|--------|---------|---------|---------|--------|--------|--------|---------|
| 1     | 2,840  | 4,630   | 5,530   | 5,770   | e3,600 | e2,500  | 6,510   | e3,500  | 6,540  | 572    | 5,410  | 7,070   |
| 2     | 2,810  | 4,610   | 5,590   | 5,810   | e3,600 | e2,400  | 6,690   | e2,300  | 6,300  | 774    | 5,180  | 7,130   |
| 3     | 2,830  | 4,670   | 5,720   | e6,000  | e3,500 | 2,610   | 6,830   | 2,430   | 5,980  | 805    | 5,000  | 7,010   |
| 4     | 2,800  | 4,840   | 5,580   | e5,900  | e3,500 | 3,070   | 6,760   | 2,380   | 5,860  | 847    | 4,720  | 6,810   |
| 5     | 2,770  | 4,620   | 5,590   | e5,900  | e3,400 | 3,590   | 6,570   | 2,420   | 5,720  | 803    | 2,980  | 6,660   |
| 6     | 2,100  | 4,440   | 5,350   | e5,600  | e3,400 | 4,320   | 6,630   | e2,800  | 5,490  | 804    | 1,040  | 6,320   |
| 7     | 1,690  | 4,260   | 5,100   | e5,700  | e3,300 | 4,540   | 6,570   | e3,100  | 4,910  | 805    | 393    | 5,860   |
| 8     | 1,690  | 4,090   | 5,070   | e5,900  | e3,300 | 4,600   | 6,400   | 3,130   | e3,500 | 1,140  | 438    | 5,650   |
| 9     | 1,700  | 3,990   | 4,960   | e5,500  | e3,200 | 4,610   | 6,110   | 3,180   | e550   | 1,730  | e340   | 6,480   |
| 10    | 1,620  | 1,750   | 4,990   | e5,400  | e3,100 | 4,550   | 5,970   | e3,300  | 508    | 2,480  | 419    | 6,320   |
| 11    | 1,620  | 342     | 5,070   | e5,200  | e3,100 | 4,540   | 5,840   | 3,520   | 496    | 2,420  | 373    | 6,360   |
| 12    | 1,640  | 363     | 5,170   | e5,200  | e3,100 | 4,560   | 5,690   | 3,650   | e510   | 2,400  | 407    | 6,260   |
| 13    | 1,640  | 851     | 5,460   | e5,000  | e3,000 | 4,440   | 5,870   | 3,640   | 513    | 2,400  | 1,170  | e6,000  |
| 14    | 1,630  | 2,630   | 6,020   | e4,700  | e2,900 | 4,450   | 6,350   | 3,680   | e520   | 2,490  | 2,250  | e5,900  |
| 15    | 1,650  | 3,600   | 5,890   | e4,600  | e2,900 | 4,280   | 6,410   | 3,690   | e670   | 2,570  | 2,220  | e5,600  |
| 16    | 1,770  | 4,400   | 5,580   | e4,300  | e2,800 | 4,180   | 6,530   | 3,680   | e460   | 2,520  | 1,130  | e5,400  |
| 17    | 2,300  | 4,560   | 5,590   | e4,400  | e2,800 | 4,190   | 6,480   | 3,670   | e630   | 2,530  | 474    | e4,700  |
| 18    | 2,990  | 4,640   | 5,580   | e4,400  | e2,700 | 4,060   | 6,320   | 3,720   | e520   | 2,530  | 490    | 4,850   |
| 19    | 2,960  | 4,640   | 5,620   | e4,300  | e2,700 | 3,990   | 6,240   | 3,680   | 476    | 3,110  | 502    | 4,890   |
| 20    | 3,450  | 5,080   | 5,520   | e4,200  | e2,700 | 3,970   | 6,050   | 3,750   | 480    | 3,570  | 804    | 4,080   |
| 21    | 3,940  | 5,450   | 5,450   | e4,300  | e2,600 | 4,010   | 6,270   | 3,540   | e444   | 3,510  | 1,920  | 2,830   |
| 22    | 4,130  | 5,590   | 5,290   | e4,200  | e2,600 | 4,100   | 5,920   | 3,500   | 480    | 2,770  | 3,310  | 1,860   |
| 23    | 4,080  | 5,620   | 5,130   | e4,000  | e2,600 | 4,080   | 5,860   | 3,590   | e470   | 2,140  | 3,630  | 938     |
| 24    | 3,990  | 5,820   | 5,200   | e4,000  | e2,600 | 4,020   | 5,590   | 5,740   | 478    | 1,170  | 3,530  | 388     |
| 25    | 3,950  | 5,870   | 5,620   | e4,000  | e2,500 | 4,180   | 5,830   | 7,250   | 491    | 478    | 2,740  | 480     |
| 26    | 3,870  | 5,790   | 5,630   | e3,900  | e2,500 | 4,420   | 5,400   | 7,470   | 563    | 481    | 2,150  | 472     |
| 27    | 3,910  | 5,690   | 5,700   | e3,900  | e2,500 | 5,500   | 4,960   | 7,450   | 554    | e1,500 | e2,100 | 429     |
| 28    | 4,030  | 5,590   | 5,720   | e3,800  | e2,500 | 5,660   | 4,860   | 7,210   | 540    | e4,000 | 2,170  | 430     |
| 29    | 4,230  | 5,260   | 5,550   | e3,700  | e2,500 | 6,220   | e4,900  | 7,150   | 515    | e5,800 | 2,400  | 435     |
| 30    | 4,650  | 5,790   | 5,650   | e3,700  | ---    | e6,500  | e4,700  | 6,940   | e480   | e5,800 | e5,000 | 529     |
| 31    | 4,800  | ---     | 5,860   | e3,600  | ---    | 6,470   | ---     | 6,870   | ---    | 5,640  | e6,800 | ---     |
| TOTAL | 90,080 | 129,476 | 169,780 | 146,880 | 85,500 | 134,610 | 181,110 | 131,930 | 55,648 | 70,589 | 71,490 | 128,141 |
| MEAN  | 2,906  | 4,316   | 5,477   | 4,738   | 2,948  | 4,342   | 6,037   | 4,256   | 1,855  | 2,277  | 2,306  | 4,271   |
| MAX   | 4,800  | 5,870   | 6,020   | 6,000   | 3,600  | 6,500   | 6,830   | 7,470   | 6,540  | 5,800  | 6,800  | 7,130   |
| MIN   | 1,620  | 342     | 4,960   | 3,600   | 2,500  | 2,400   | 4,700   | 2,300   | 444    | 478    | 340    | 388     |

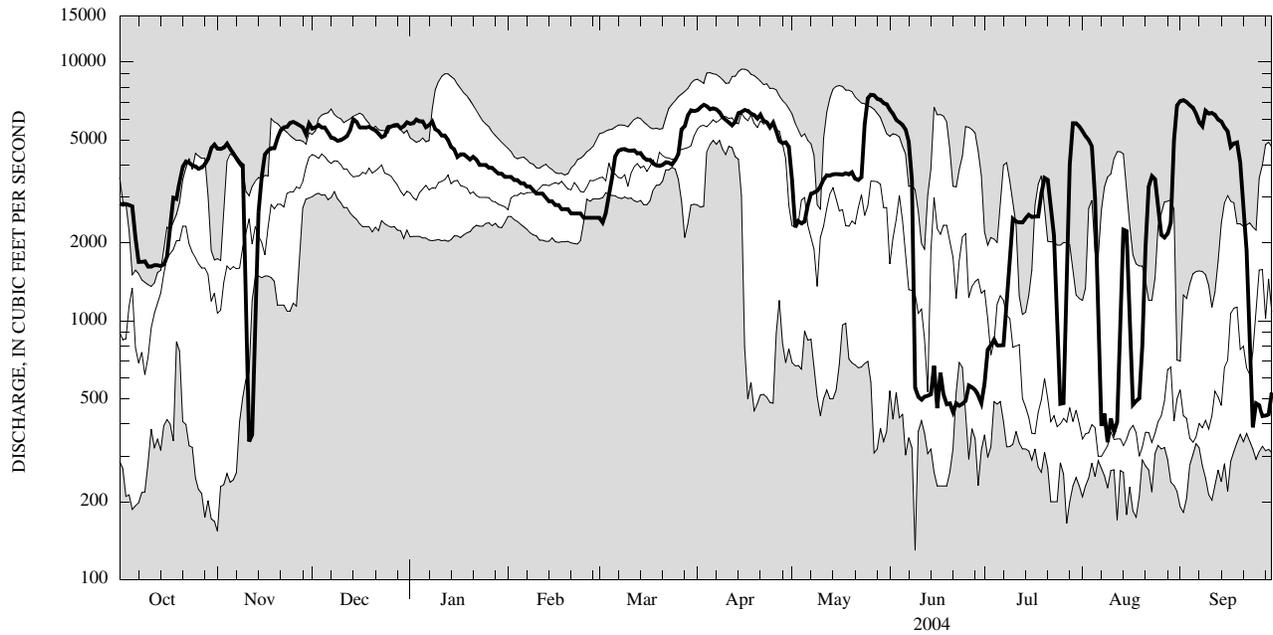
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1,607  | 2,599  | 4,134  | 3,708  | 3,206  | 4,384  | 5,423  | 3,312  | 2,066  | 1,077  | 950    | 1,369  |
| MAX  | 2,906  | 4,316  | 5,835  | 6,199  | 3,934  | 5,562  | 7,638  | 5,336  | 3,122  | 2,277  | 2,306  | 4,271  |
| (WY) | (2004) | (2004) | (1997) | (1998) | (1998) | (1998) | (2001) | (2002) | (2002) | (2004) | (2004) | (2004) |
| MIN  | 688    | 1,832  | 2,578  | 2,519  | 2,443  | 3,524  | 3,135  | 1,146  | 469    | 549    | 261    | 516    |
| (WY) | (1999) | (1999) | (1999) | (2002) | (2000) | (1999) | (1998) | (1999) | (1999) | (2002) | (1999) | (1998) |

04247000 ONEIDA RIVER NEAR EUCLID, NY—Continued

| SUMMARY STATISTICS       | FOR 2003 CALENDAR YEAR |        | FOR 2004 WATER YEAR |        | WATER YEARS 1997 - 2004 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 1,258,420              |        | 1,395,234           |        | 2,816                   |              |
| ANNUAL MEAN              | 3,448                  |        | 3,812               |        | 3,812                   |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 1,839                   |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 1999                    |              |
| HIGHEST DAILY MEAN       | 9,100                  | Apr 5  | 7,470               | May 26 | 9,380                   | Apr 15, 2001 |
| LOWEST DAILY MEAN        | 210                    | Aug 19 | 340                 | Aug 9  | 130                     | Jun 9, 1999  |
| ANNUAL SEVEN-DAY MINIMUM | 364                    | Aug 19 | 452                 | Sep 24 | 187                     | Oct 26, 1998 |
| 10 PERCENT EXCEEDS       | 5,910                  |        | 6,250               |        | 5,620                   |              |
| 50 PERCENT EXCEEDS       | 3,150                  |        | 4,000               |        | 2,740                   |              |
| 90 PERCENT EXCEEDS       | 477                    |        | 537                 |        | 370                     |              |

e Estimated



2004 WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.  
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.