

**04243500 ONEIDA CREEK AT ONEIDA, NY**

Oswego Basin  
Oneida Subbasin

LOCATION.--Lat 43°05'51", long 75°38'21" referenced to North American Datum of 1983, Oneida County, NY, Hydrologic Unit 04140202, on right bank 70 ft upstream from bridge on Sconondoa Street at Oneida, and 500 ft downstream from Sconondoa Creek.

DRAINAGE AREA.--113 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WSP 2112: Drainage area. WDR NY-78-1: 1951 (P), 1956 (P), 1958 (P), 1961 (P), 1963 (P), 1964 (P), 1972 (P), 1976 (P). WDR NY-83-3: 1950 (M), 1972 (M), 1977 (M), 1979 (M).

GAGE.--Water-stage recorder. Datum of gage is 409.33 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional regulation by small mills upstream from station. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,400 ft<sup>3</sup>/s, June 28, 2013, gage height, 17.23 ft, from rating curve extended above 7,500 ft<sup>3</sup>/s on basis of contracted-opening and flow-through-culvert measurements of peak flow at site 0.4 mi upstream (Oneida Creek), contracted-opening measurement of peak flow at site 1.0 mi upstream (Sconondoa Creek), and includes flow-over-levee measurements of peak flow upstream that bypassed gage, about 3,400 ft<sup>3</sup>/s; minimum discharge, 9.5 ft<sup>3</sup>/s, Sept. 6, 7, 1999; minimum gage height, 1.30 ft, Aug. 3, 6, 1955, Aug. 17, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft<sup>3</sup>/s and (or) maximum (\*):

| Date   | Time | Discharge (ft <sup>3</sup> /s) | Gage height (ft) |
|--------|------|--------------------------------|------------------|
| Jun 13 | 2200 | 2,940                          | 10.31            |
| Jun 28 | 0945 | a*11,400                       | *17.23           |
| Jul 2  | 0145 | 3,030                          | 10.49            |
| Jul 6  | 0745 | 2,310                          | 8.85             |
| Jul 8  | 0645 | 2,850                          | 10.09            |

a From rating curve extended as explained above.

Minimum discharge, 26 ft<sup>3</sup>/s, Oct. 6, 10, 11, 12, gage height, 2.09 ft.

## 04243500 ONEIDA CREEK AT ONEIDA, NY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

| Day          | Oct   | Nov   | Dec   | Jan   | Feb   | Mar   | Apr    | May   | Jun    | Jul    | Aug   | Sep   |
|--------------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|
| 1            | 31    | 64    | 42    | e170  | 436   | 284   | 310    | 128   | 178    | 1,050  | 147   | 76    |
| 2            | 30    | e62   | 48    | e140  | e280  | 200   | 283    | 116   | 144    | 1,590  | 145   | 170   |
| 3            | 30    | 104   | 70    | e140  | e250  | 167   | 258    | 108   | 129    | 723    | 133   | 273   |
| 4            | 30    | 100   | 61    | e140  | e220  | 150   | 251    | 101   | 112    | 481    | 122   | 140   |
| 5            | 29    | 80    | 135   | e150  | e190  | 141   | 261    | 97    | 100    | 703    | 112   | 108   |
| 6            | 30    | 66    | 100   | 150   | e180  | 137   | 225    | 91    | 113    | 1,260  | 105   | 92    |
| 7            | 31    | 57    | 76    | 153   | e190  | 140   | 206    | 88    | 214    | 719    | 102   | 83    |
| 8            | 33    | 51    | 82    | 147   | e170  | 145   | 208    | 89    | 194    | 1,770  | 100   | 98    |
| 9            | 30    | 48    | 78    | 138   | e150  | 154   | 216    | 92    | 152    | 695    | 100   | 86    |
| 10           | 28    | 47    | 192   | 160   | e170  | 175   | 581    | 89    | 139    | 458    | 102   | 113   |
| 11           | 28    | 46    | 344   | 167   | e160  | 251   | 846    | 100   | 329    | 348    | 92    | 103   |
| 12           | 37    | 47    | 198   | 503   | 206   | 834   | 1,090  | 94    | 264    | 275    | 88    | 115   |
| 13           | 38    | 154   | 155   | 892   | 176   | 738   | 874    | 84    | 1,360  | 242    | 133   | 115   |
| 14           | 72    | 98    | 135   | 896   | 167   | 433   | 525    | 82    | 1,070  | 220    | 109   | 98    |
| 15           | 53    | 73    | 123   | 479   | 170   | 317   | 388    | 81    | 430    | 194    | 97    | 88    |
| 16           | 37    | 62    | 115   | 322   | 164   | 273   | 319    | 81    | 264    | 173    | 91    | 90    |
| 17           | 34    | 55    | 134   | 257   | e130  | 230   | 379    | 75    | 349    | 159    | 86    | 84    |
| 18           | 31    | 51    | 600   | 201   | e120  | 200   | 259    | 73    | 276    | 147    | 84    | 75    |
| 19           | 87    | 49    | 459   | 188   | e130  | 206   | 254    | 72    | 186    | 137    | 80    | 70    |
| 20           | 106   | 47    | 259   | 188   | e120  | 197   | 513    | 70    | 146    | 154    | 77    | 68    |
| 21           | 58    | 46    | 980   | 158   | e120  | 185   | 269    | 71    | 127    | 161    | 77    | 76    |
| 22           | 47    | 44    | 633   | e140  | e120  | 178   | 216    | 567   | 113    | 159    | 91    | 149   |
| 23           | 41    | 44    | 347   | e130  | 118   | 174   | 186    | 191   | 109    | 282    | 88    | 97    |
| 24           | 46    | 44    | 277   | e130  | 125   | 170   | 172    | 261   | 142    | 189    | 76    | 85    |
| 25           | 43    | 45    | 242   | e130  | 123   | 190   | 209    | 257   | 433    | 151    | 73    | 79    |
| 26           | 40    | 45    | 203   | e130  | e120  | 273   | 168    | 176   | 834    | 132    | 79    | 76    |
| 27           | 38    | 45    | e190  | e130  | 288   | 328   | 151    | 134   | 297    | 129    | 122   | 72    |
| 28           | 37    | 44    | 204   | e140  | 442   | 304   | 139    | 112   | 4,890  | 377    | 85    | 70    |
| 29           | 37    | 44    | 193   | e150  | ---   | 267   | 157    | 454   | 1,310  | 334    | 77    | 69    |
| 30           | 66    | 44    | e180  | e300  | ---   | 238   | 142    | 753   | 851    | 197    | 74    | 68    |
| 31           | 78    | ---   | e180  | 1,320 | ---   | 244   | ---    | 269   | ---    | 161    | 79    | ---   |
| <b>Total</b> | 1,356 | 1,806 | 7,035 | 8,439 | 5,235 | 7,923 | 10,055 | 5,056 | 15,255 | 13,770 | 3,026 | 2,986 |
| <b>Mean</b>  | 43.7  | 60.2  | 227   | 272   | 187   | 256   | 335    | 163   | 508    | 444    | 97.6  | 99.5  |
| <b>Max</b>   | 106   | 154   | 980   | 1,320 | 442   | 834   | 1,090  | 753   | 4,890  | 1,770  | 147   | 273   |
| <b>Min</b>   | 28    | 44    | 42    | 130   | 118   | 137   | 139    | 70    | 100    | 129    | 73    | 68    |
| <b>Cfsm</b>  | 0.39  | 0.53  | 2.01  | 2.41  | 1.65  | 2.26  | 2.97   | 1.44  | 4.50   | 3.93   | 0.86  | 0.88  |
| <b>In.</b>   | 0.45  | 0.59  | 2.32  | 2.78  | 1.72  | 2.61  | 3.31   | 1.66  | 5.02   | 4.53   | 1.00  | 0.98  |

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2013, BY WATER YEAR (WY)**

|             | Oct    | Nov    | Dec    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Mean</b> | 101    | 162    | 209    | 205    | 222    | 379    | 340    | 166    | 115    | 75.2   | 60.5   | 67.3   |
| <b>Max</b>  | 472    | 382    | 481    | 452    | 589    | 781    | 915    | 495    | 539    | 444    | 357    | 413    |
| <b>(WY)</b> | (1978) | (1973) | (1974) | (1998) | (1976) | (1977) | (1993) | (2000) | (1972) | (2013) | (2004) | (2011) |
| <b>Min</b>  | 21.5   | 30.5   | 39.6   | 38.9   | 50.5   | 131    | 109    | 61.0   | 28.4   | 23.2   | 14.8   | 18.0   |
| <b>(WY)</b> | (1964) | (1965) | (1961) | (1981) | (1980) | (1981) | (1981) | (1995) | (1999) | (1962) | (1999) | (1964) |

04243500 ONEIDA CREEK AT ONEIDA, NY—Continued

SUMMARY STATISTICS

|                                 | Calendar Year 2012 |        | Water Year 2013 |        | Water Years 1950 - 2013 |             |
|---------------------------------|--------------------|--------|-----------------|--------|-------------------------|-------------|
| <b>Annual total</b>             | 44,863             |        | 81,942          |        |                         |             |
| <b>Annual mean</b>              | 123                |        | 224             |        | 175                     |             |
| <b>Highest annual mean</b>      |                    |        |                 |        | 288                     | 2011        |
| <b>Lowest annual mean</b>       |                    |        |                 |        | 89.7                    | 1988        |
| <b>Highest daily mean</b>       | 980                | Dec 21 | 4,890           | Jun 28 | 5,210                   | Mar 5, 1979 |
| <b>Lowest daily mean</b>        | 21                 | Aug 24 | 28              | Oct 10 | 9.8                     | Sep 6, 1999 |
| <b>Annual seven-day minimum</b> | 23                 | Aug 20 | 30              | Oct 5  | 11                      | Sep 1, 1999 |
| <b>Annual runoff (cfsm)</b>     | 1.08               |        | 1.99            |        | 1.55                    |             |
| <b>Annual runoff (inches)</b>   | 14.77              |        | 26.98           |        | 21.02                   |             |
| <b>10 percent exceeds</b>       | 248                |        | 447             |        | 375                     |             |
| <b>50 percent exceeds</b>       | 87                 |        | 140             |        | 101                     |             |
| <b>90 percent exceeds</b>       | 26                 |        | 47              |        | 31                      |             |

