

## STREAMS TRIBUTARY TO LAKE ERIE

## 04213000 CONNEAUT CREEK AT CONNEAUT, OHIO

**LOCATION.**--Latitude 41°55'37", longitude 80°36'15", Ashtabula County, Hydrologic Unit 04120101, on right bank at downstream side of Keefus Road bridge at Conneaut, Ohio, and 6.4 mi upstream from mouth.

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

**PERIOD OF RECORD.**--July 1922 to December 1935, March 1950 to September 1961 (published as "at Amboy"), October 1961 to current year.

**REVISED RECORDS.**--WSP 714: 1926. WSP 784: 1933. WSP 1437: 1923-25(M), 1926-30, 1931-32(M), 1933, 1935(M). WSP 1912: Drainage area.

**GAGE.**--Water-stage recorder. Datum of gage is 610.30 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 17, 1924, nonrecording gage at same site and datum.

**REMARKS.**--Records good except for estimated daily discharges, which are poor. Water-quality and sediment data formerly collected at this site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL    | AUG   | SEP   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 1     | 37    | 94    | 1540  | e40   | 2690  | 175   | 430   | 345   | 104   | 20     | 78    | 5.2   |
| 2     | 26    | 77    | 621   | e38   | 2360  | 172   | 349   | 267   | 84    | 19     | 46    | 4.6   |
| 3     | 19    | 64    | 235   | e36   | 592   | 444   | 1020  | 405   | 66    | 18     | 32    | 4.5   |
| 4     | 14    | 64    | 150   | e34   | 337   | 618   | 1310  | 273   | 58    | 17     | 26    | 3.8   |
| 5     | 15    | 62    | 113   | e33   | 220   | 318   | 476   | 175   | 53    | 15     | 22    | 3.4   |
| 6     | 40    | 51    | 91    | e32   | 216   | 262   | 337   | 146   | 117   | 14     | 19    | 3.2   |
| 7     | 23    | 44    | 79    | e33   | 178   | 504   | 286   | 129   | 319   | 13     | 16    | e2.9  |
| 8     | 25    | 41    | 70    | e43   | 171   | 434   | 248   | 198   | 175   | 13     | 15    | e3.0  |
| 9     | 28    | 40    | 63    | e46   | 190   | 295   | 317   | 247   | 100   | 19     | 13    | e2.8  |
| 10    | 21    | 39    | 57    | e90   | 233   | 283   | 637   | 282   | 69    | 23     | 13    | e2.7  |
| 11    | 17    | 44    | 52    | 139   | 320   | 300   | 424   | 231   | 56    | 21     | 12    | e2.6  |
| 12    | 18    | 41    | 50    | 195   | 330   | 244   | 252   | 855   | 51    | 18     | 11    | e2.5  |
| 13    | 18    | 37    | 49    | 264   | 243   | 231   | 384   | 3080  | 50    | 16     | 13    | e2.6  |
| 14    | 13    | 34    | 69    | e200  | 190   | 195   | 1260  | 3700  | 56    | 14     | 13    | e7.0  |
| 15    | 15    | 34    | 697   | e160  | 156   | 161   | 2140  | 1840  | 68    | 13     | 14    | 32    |
| 16    | 14    | 32    | 627   | e290  | 210   | 204   | 1150  | 525   | 258   | 12     | 13    | 26    |
| 17    | 27    | 31    | 421   | e240  | 351   | 465   | 517   | 907   | 207   | 11     | 15    | 19    |
| 18    | 61    | 31    | 1800  | 235   | 276   | 278   | 330   | 874   | 110   | 10     | 17    | 18    |
| 19    | 79    | 33    | 1430  | 184   | 180   | 204   | 242   | 596   | 70    | 9.7    | 21    | 13    |
| 20    | 47    | 38    | 448   | e140  | 217   | 229   | 254   | 354   | 52    | 9.5    | 20    | 10    |
| 21    | 35    | 84    | 334   | e110  | 586   | 652   | 287   | 244   | 42    | 8.8    | 13    | 18    |
| 22    | 33    | 88    | 229   | e100  | 633   | 508   | 243   | 189   | 39    | 9.9    | 11    | 11    |
| 23    | 89    | 64    | 250   | e150  | 386   | 343   | 222   | 153   | 42    | 15     | 10    | 7.3   |
| 24    | 111   | 52    | 853   | 906   | 254   | 446   | 188   | 124   | 36    | 12     | 12    | 7.1   |
| 25    | 197   | 70    | 459   | 1490  | 204   | 467   | 151   | 104   | 30    | 9.6    | 11    | 6.9   |
| 26    | 358   | 137   | 222   | 549   | 185   | 449   | 140   | 436   | 27    | 10     | 9.5   | 7.4   |
| 27    | 399   | 176   | 123   | 333   | 218   | 1100  | 125   | 649   | 25    | 11     | 8.9   | 58    |
| 28    | 920   | 106   | 109   | 288   | 228   | 1130  | 236   | 236   | 24    | 11     | 9.1   | 53    |
| 29    | 458   | 156   | 58    | 261   | ---   | 874   | 902   | 151   | 23    | 12     | 8.2   | 74    |
| 30    | 222   | 923   | e46   | 807   | ---   | 1310  | 656   | 118   | 21    | 591    | 6.4   | 36    |
| 31    | 134   | ---   | e43   | 1770  | ---   | 911   | ---   | 108   | ---   | 202    | 5.6   | ---   |
| TOTAL | 3513  | 2787  | 11388 | 9236  | 12354 | 14206 | 15513 | 17941 | 2432  | 1197.5 | 533.7 | 447.5 |
| MEAN  | 113.3 | 92.90 | 367.4 | 297.9 | 441.2 | 458.3 | 517.1 | 578.7 | 81.07 | 38.63  | 17.22 | 14.92 |
| MAX   | 920   | 923   | 1800  | 1770  | 2690  | 1310  | 2140  | 3700  | 319   | 591    | 78    | 74    |
| MIN   | 13    | 31    | 43    | 32    | 156   | 161   | 125   | 104   | 21    | 8.8    | 5.6   | 2.5   |
| CFSM  | 0.65  | 0.53  | 2.10  | 1.70  | 2.52  | 2.62  | 2.95  | 3.31  | 0.46  | 0.22   | 0.10  | 0.09  |
| IN.   | 0.75  | 0.59  | 2.42  | 1.96  | 2.63  | 3.02  | 3.30  | 3.81  | 0.52  | 0.25   | 0.11  | 0.10  |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2002, BY WATER YEAR (WY)

|      |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 133.9 | 315.4 | 414.2 | 420.0 | 458.0 | 525.3 | 393.2 | 237.3 | 133.5 | 74.32 | 68.57 | 99.98 |
| MAX  | 804   | 1373  | 1049  | 929   | 1115  | 987   | 839   | 670   | 1013  | 415   | 493   | 709   |
| (WY) | 1927  | 1986  | 1928  | 1990  | 1981  | 1972  | 1957  | 1953  | 1986  | 1969  | 1980  | 1990  |
| MIN  | 4.95  | 17.1  | 35.1  | 81.0  | 39.6  | 147   | 69.9  | 20.2  | 5.46  | 2.79  | 3.19  | 3.56  |
| (WY) | 1924  | 1954  | 1961  | 1977  | 1934  | 2000  | 1935  | 1934  | 1934  | 1934  | 1923  | 1932  |

e Estimated.

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| SUMMARY STATISTICS       | FOR 2001 CALENDAR YEAR |        | FOR 2002 WATER YEAR |        | WATER YEARS 1922 - 2002 |             |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL             | 63770.1                |        | 91548.7             |        | 272.3                   |             |
| ANNUAL MEAN              | 174.7                  |        | 250.8               |        | 401                     |             |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 140                     | 1931        |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 140                     | 1931        |
| HIGHEST DAILY MEAN       | 3410                   | Feb 10 | 3700                | May 14 | 11000                   | Jan 31 1968 |
| LOWEST DAILY MEAN        | 3.0                    | Aug 16 | 2.5                 | Sep 12 | 0.30                    | Jul 30 1933 |
| ANNUAL SEVEN-DAY MINIMUM | 3.7                    | Aug 12 | 2.7                 | Sep 7  | 0.64                    | Aug 27 1933 |
| MAXIMUM PEAK FLOW        |                        |        | 4700                | May 13 | 17000                   | Jan 22 1959 |
| MAXIMUM PEAK STAGE       |                        |        | 7.28                | May 13 | 12.94                   | Mar 4 1934  |
| INSTANTANEOUS LOW FLOW   |                        |        |                     |        | 0.20                    | Jul 31 1933 |
| ANNUAL RUNOFF (CFSM)     | 1.00                   |        | 1.43                |        | 1.56                    |             |
| ANNUAL RUNOFF (INCHES)   | 13.56                  |        | 19.46               |        | 21.14                   |             |
| 10 PERCENT EXCEEDS       | 399                    |        | 623                 |        | 680                     |             |
| 50 PERCENT EXCEEDS       | 79                     |        | 100                 |        | 97                      |             |
| 90 PERCENT EXCEEDS       | 8.0                    |        | 11                  |        | 10                      |             |

