

# Historical Floods: North Branch Susquehanna River at Owego, NY

Latitude: 42.097

Period of Record: 1936-Present

Longitude: -76.267

Flood Stage: 30

Last Flood: 9/8/2011

Number of Floods: 7

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code  | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|-------|---------------|------------|------------------|----------|------|
| 3/18/1936     | -9999      | 112,000          | Major    | C1 F1 |               |            |                  |          |      |
| 4/11/1993     | 31.97      | 76,300           | Minor    | C1    |               |            |                  |          |      |
| 1/20/1996     | 32.97      | 81,400           | Moderate | C1 F3 |               |            |                  |          |      |
| 9/18/2004     | 31.04      | 89,800           | Minor    | none  |               |            |                  |          |      |
| 4/3/2005      | 33.15      | 106,000          | Moderate | none  |               |            |                  |          |      |
| 6/29/2006     | 35.9       | 127,000          | Major    | none  |               |            |                  |          |      |
| 9/8/2011      | 39.62      | 159,000          | Major    | none  |               |            |                  |          |      |

Drainage Area: 4216 square miles

Gage Datum: 776.44 ft MSL

Data represent all historical events.  
North Branch Susquehanna Basin

County of Gage: Tioga  
County of Forecast Point: Tioga

| Date of Flood | Crest (ft)   | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|--|------------------|----------|------|---------------|------------|------------------|----------|------|
| Code          | Description  |                  |          |      |               |            |                  |          |      |
| C1            | Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information. |                  |          |      |               |            |                  |          |      |
| C2            | Crest information looks reliable despite potential problems. This data was used in frequency calculations.   |                  |          |      |               |            |                  |          |      |
| C3            | Crest height estimated by the USGS.  |                  |          |      |               |            |                  |          |      |
| C4            | Crest height is from the National Weather Service.   |                  |          |      |               |            |                  |          |      |
| C5            | Crest height affected by backwater.  |                  |          |      |               |            |                  |          |      |
| C6            | Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.    |                  |          |      |               |            |                  |          |      |
| C7            | Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects.                          |                  |          |      |               |            |                  |          |      |
| C8            | Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.                                 |                  |          |      |               |            |                  |          |      |
| C9            | Crest date (day) in the month is unknown.  |                  |          |      |               |            |                  |          |      |
| F1            | Flow is an estimate.   |                  |          |      |               |            |                  |          |      |
| F2            | Flow affected by regulation or diversion and in some cases to an unknown degree.   |                  |          |      |               |            |                  |          |      |
| F3            | Flow effected by snow-melt, ice jam or debris jam break up.  |                  |          |      |               |            |                  |          |      |
| F4            | Flow affected by dam failure.  |                  |          |      |               |            |                  |          |      |
| F5            | Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.  |                  |          |      |               |            |                  |          |      |
| G1            | Gage height at a different site and/or datum.  |                  |          |      |               |            |                  |          |      |
| G2            | Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.         |                  |          |      |               |            |                  |          |      |
| G3            | Gage datum changed during this year.   |                  |          |      |               |            |                  |          |      |
| none          | No code; Good Data   |                  |          |      |               |            |                  |          |      |