

# Historical Floods: Chemung River at Elmira, NY

Latitude: 42.086  
Flood Stage: 12

Period of Record: 1889-Present  
Last Flood: 5/16/2014

Longitude: -76.801  
Number of Floods: 34

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code	Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/1/1889	-9999	138,000	Missing	C1 F1	10/24/1990	12.7	34,200	Minor	C7 F1 F2
7/9/1935	18.3	-9,999	Moderate	C1	4/1/1993	12.43	32,800	Minor	F2
4/1/1940	17.8	-9,999	Moderate	C1	3/25/1994	14.06	41,600	Minor	F2
3/10/1942	15.9	-9,999	Moderate	C1	1/20/1996	18.51	71,000	Moderate	C5 F1 F2 F3
12/31/1942	17.4	-9,999	Moderate	C1	11/8/1996	15.9	52,800	Moderate	F2
5/28/1946	21.2	-9,999	Major	C1	1/8/1998	13.18	36,700	Minor	F2
4/6/1947	15.8	-9,999	Moderate	C1	7/23/2003	12.23	37,400	Minor	F2
5/22/1948	15.3	-9,999	Moderate	C1	9/9/2004	12.85	-9,999	Minor	F2
5/29/1950	16.1	-9,999	Moderate	C1	9/18/2004	13.59	45,100	Minor	F2
11/26/1950	16.4	-9,999	Moderate	C1	4/3/2005	13.17	42,600	Minor	F2
3/31/1951	16.6	-9,999	Moderate	C1	11/30/2005	12.47	38,700	Minor	F2
3/25/1953	14.1	-9,999	Minor	C1	9/3/2006	12.19	-9,999	Minor	F2
3/2/1954	12.9	-9,999	Minor	C1	3/15/2007	13.17	42,600	Minor	F2
10/15/1955	17.2	-9,999	Moderate	C1	5/16/2014	12.16	37,900	Minor	F2
3/7/1956	16.1	-9,999	Moderate	C1					
4/1/1960	14.5	-9,999	Minor	C1					
3/6/1964	15.6	-9,999	Moderate	C1					
6/23/1972	25.2	235,000	Major	C1 C4 C7					
9/26/1975	19.7	-9,999	Major	C1 C4					
5/11/1989	12.06	30,800	Minor	F2					

Drainage Area: 2162 square miles  
Gage Datum: 833.65 ft MSL

Data represent all historical events.  
Chemung Basin

County of Gage: Chemung  
County of Forecast Point: Chemung

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								