

Historical Floods: Swatara Creek near Hershey, PA

Latitude: 40.298
Flood Stage: 7

Period of Record: 1975-Present
Last Flood: 11/1/2019

Longitude: -76.668
Number of Floods: 57

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|------|---------------|------------|------------------|----------|------|
| 9/27/1975 | 15.36 | 29,400 | Major | none | 1/20/1996 | 14.3 | 26,000 | Major | none |
| 1/27/1976 | 9.44 | 14,000 | Minor | none | 1/28/1996 | 9.11 | 13,500 | Minor | none |
| 10/10/1976 | 9.18 | 13,400 | Minor | none | 10/20/1996 | 8.08 | 11,200 | Minor | none |
| 3/5/1977 | 7.15 | 9,170 | Minor | none | 12/14/1996 | 7.36 | 9,640 | Minor | none |
| 12/21/1977 | 7.5 | 9,870 | Minor | none | 3/22/2000 | 8 | 11,000 | Minor | none |
| 1/27/1978 | 9.19 | 13,400 | Minor | none | 12/18/2000 | 7.32 | 9,560 | Minor | none |
| 3/27/1978 | 8.21 | 11,340 | Minor | none | 12/12/2003 | 7.51 | 9,970 | Minor | none |
| 1/22/1979 | 7.12 | 9,110 | Minor | none | 9/19/2004 | 14.27 | 26,000 | Major | none |
| 1/25/1979 | 14.43 | 26,600 | Major | none | 9/29/2004 | 7.01 | 8,880 | Minor | none |
| 2/26/1979 | 8.94 | 12,900 | Minor | none | 1/15/2005 | 7.01 | 8,880 | Minor | none |
| 4/16/1983 | 9.45 | 13,700 | Minor | none | 3/29/2005 | 7.51 | 9,970 | Minor | none |
| 12/14/1983 | 7.69 | 9,970 | Minor | none | 4/3/2005 | 8.01 | 11,100 | Minor | none |
| 5/30/1984 | 7.19 | 8,960 | Minor | none | 6/29/2006 | 16.12 | 31,700 | Major | none |
| 3/15/1986 | 7.3 | 9,180 | Minor | none | 10/29/2006 | 7.05 | 8,970 | Minor | none |
| 9/14/1987 | 7.85 | 10,300 | Minor | none | 11/17/2006 | 7.19 | 9,280 | Minor | none |
| 5/20/1988 | 8.02 | 10,600 | Minor | none | 3/3/2007 | 8.37 | 11,500 | Minor | none |
| 5/7/1989 | 7.35 | 9,280 | Minor | none | 3/6/2008 | 11.06 | 17,400 | Moderate | none |
| 5/17/1989 | 8.33 | 11,300 | Minor | none | 12/12/2008 | 7.1 | 8,800 | Minor | none |
| 11/29/1993 | 10.33 | 16,500 | Moderate | none | 10/1/2010 | 7.63 | 9,890 | Minor | none |
| 12/6/1993 | 7.62 | 10,200 | Minor | none | 3/7/2011 | 7.44 | 9,490 | Minor | none |

Drainage Area: 483 square miles
Gage Datum: 325.94 ft MSL

Data represent all historical events.
Main Stem Susquehanna Basin

County of Gage: Dauphin
County of Forecast Point: Dauphin

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code | Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code |
|---------------|------------|------------------|----------|------|---------------|------------|------------------|----------|------|
| 3/12/2011 | 10.97 | 17,200 | Moderate | none | | | | | |
| 4/17/2011 | 8.34 | 11,400 | Minor | none | | | | | |
| 9/8/2011 | 27.22 | 96,900 | Major | none | | | | | |
| 9/28/2011 | 7.4 | 9,390 | Minor | none | | | | | |
| 11/23/2011 | 7.16 | 8,920 | Minor | none | | | | | |
| 10/11/2013 | 7.52 | 9,660 | Minor | none | | | | | |
| 5/1/2014 | 7.08 | 8,760 | Minor | none | | | | | |
| 2/25/2016 | 7.84 | 10,300 | Minor | none | | | | | |
| 4/7/2017 | 7.73 | 10,100 | Minor | none | | | | | |
| 8/12/2017 | 7.09 | 8,780 | Minor | none | | | | | |
| 8/12/2017 | 7.46 | 9,530 | Minor | none | | | | | |
| 1/24/2018 | 7.32 | 9,240 | Minor | none | | | | | |
| 6/29/2018 | 7.3 | 9,200 | Minor | none | | | | | |
| 7/26/2018 | 17.08 | 30,500 | Major | none | | | | | |
| 8/14/2018 | 9.24 | 12,600 | Minor | none | | | | | |
| 4/16/2019 | 7.14 | 8,880 | Minor | none | | | | | |
| 11/1/2019 | 8.51 | 11,700 | Minor | none | | | | | |

Drainage Area: 483 square miles
Gage Datum: 325.94 ft MSL

Data represent all historical events.
Main Stem Susquehanna Basin

County of Gage: Dauphin
County of Forecast Point: Dauphin

| 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 | | | | | | | | |