

April 5 - April 9, 2017 Preliminary Flood Summary

Delaware	Above FS (ft)	Crest (ft)	Streamflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Walton, New York - (WALN6)</u>	Flood = 9.5	9.72	5,860	Flood = 9.5	9.5 (minor)	16.85
West Branch Delaware River - (WFO BGM)	4/7/2017	April 7, 2017		4/7/2017	14.0 (moderate)	28,600
Gage & Town/Delaware County	0:45	3:15:00 EST		8:15	16.0 (major)	June 28, 2006
Susquehanna (Lower Main Stem)	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Harper Tavern, Pennsylvania - (HTVP1)</u>	Flood = 9.0	11.15	9,820	Flood = 9.0	9.0 (minor)	25.60
Swatara Creek - (WFO CTP)	4/6/2017	April 7, 2017		4/7/2017	12.0 (moderate)	88,000
Gage & Town/Lebanon County	22:45	10:45:00 EST		19:35	15.0 (major)	June 1, 1889
<u>Hershey, Pennsylvania - (HERP1)</u>	Flood = 7.0	7.73	10,100	Flood = 7.0	7.0 (minor)	27.22
Swatara Creek - (WFO CTP)	4/7/2017	April 7, 2017		4/8/2017	10.0 (moderate)	96,900
Gage & Town/Dauphin County	7:35	20:00:00 EST		1:40	14.0 (major)	September 8, 2011
Susquehanna Basin (North Branch)	Above FS (ft)	Crest (ft)	Streflow (cfs)	Below FS (ft)	Category (ft)	Record (ft) - (cfs)
<u>Bainbridge, New York - (BAIN6)</u>	Flood = 15.0	15.57	22,800	Flood = 15.0	15.0 (minor)	27.05
Susquehanna River (North BR) - (WFO BGM)	4/5/2017	April 6, 2017		-	20.0 (moderate)	58,700
Gage & Town/Chenango County	18:30	2:30:00 EST		-	22.0 (major)	June 29, 2006
<u>Binghamton, New York - (BNGN6)</u>	Flood = 14.0	14.55	M	Flood = 14.0	14.0 (minor)	25.73
Susquehanna River (North BR) - (WFO BGM)	4/7/2017	April 7, 2017		4/7/2017	15.0 (moderate)	missing
Gage & Town/Broome County	1:35	8:15:00 EST		22:15	18.0 (major)	September 8, 2011
<u>Conklin, New York - (CKLN6)</u>	Flood = 12.0	15.11	33,900	Flood = 12.0	12.0 (minor)	25.02
Susquehanna River (North BR) - (WFO BGM)	4/6/2017	April 7, 2017		4/9/2017	15.0 (moderate)	76,800
Gage & Town/Broome County	10:35	4:00:00 EST		15:30	20.0 (major)	June 28, 2006
<u>Cortland, New York - (CRTN6)</u>	Flood = 8.0	8.20	3,850	Flood = 8.0	8.0 (minor)	14.07
Tioughnioga River - (WFO BGM)	4/7/2017	April 7, 2017		4/8/2017	10.0 (moderate)	14,200
Gage & Town/Cortland County	15:50	19:45:00 EST		2:30	12.5 (major)	April 3, 2005
<u>Greene, New York - (GNEN6)</u>	Flood = 13.0	13.84	10,900	Flood = 13.0	13.0 (minor)	22.00
Chenango River - (WFO BGM)	4/7/2017	April 7, 2017		4/7/2017	15.0 (moderate)	not available
Gage & Town/Chenango County	1:25	9:45:00 EST		21:25	18.0 (major)	July 8, 1935
<u>Sherburne, New York - (SHBN6)</u>	Flood = 8.5	8.98	4,750	Flood = 8.5	8.5 (minor)	13.72
Chenango River - (WFO BGM)	4/6/2017	April 7, 2017		4/7/2017	9.5 (moderate)	2,190
Gage & Town/Chenango County	21:50	2:30:00 EST		15:15	10.6 (major)	February 17, 1954

<u>Unadilla, New York - (UNDN6)</u>	Flood = 11.0	11.57	14,700	Flood = 11.0	11.0 (minor)	17.72
Susquehanna River (North BR) - (WFO BGM)	4/6/2017	April 7, 2017 16:15:00 EST		4/8/2017	13.0 (moderate)	35,100
Gage & Town/Otsego County	19:50			6:50	14.5 (major)	June 29, 2006
<u>Vestal, New York - (VSTN6)</u>	Flood = 18.0	21.99	57,900	Flood = 18.0	18.0 (minor)	35.26
Susquehanna River - (North BR) - (WFO BGM)	4/6/2017	April 7, 2017 11:30:00 EST		4/9/2017	21.0 (moderate)	129,000
Gage & Town/Broome County	20:10			8:35	27.0 (major)	September 8, 2011
<u>Waverly, New York - (WVYN6)</u>	Flood = 13.0	14.96	68,100	Flood = 13.0	13.0 (minor)	26.67
Susquehanna River (North BR) - (WFO BGM)	4/7/2017	April 7, 2017 16:00:00 EST		4/8/2017	16.0 (moderate)	167,000
Gage/Bradford Co, PA - Town/Tioga Co, NY	2:25			20:40	20.0 (major)	September 8, 2011

Crest Statistics

Flooding - 4/5/2017 - 4/9/2017
 Crests - 4/6/2017 - 4/7/2017
 Second flood of 2 - April, 2017
 Fourth flood in 2017

Number of MARFC Forecast Points Flooding - 13
 Number of Floods Cresting in **Minor** Range - 11
 Number of Floods Cresting in **Moderate** Range - 2
 Number of Floods Cresting in **Major** Range - 0
 Number of Floods Cresting in **Missing** Range - 0

MARFC Power Ranking - 21 (Minor = 1 - Moderate = 5 - Major = 10 - Missing =1)

Number of MARFC records - 0
 E = Estimated

Weather Summary

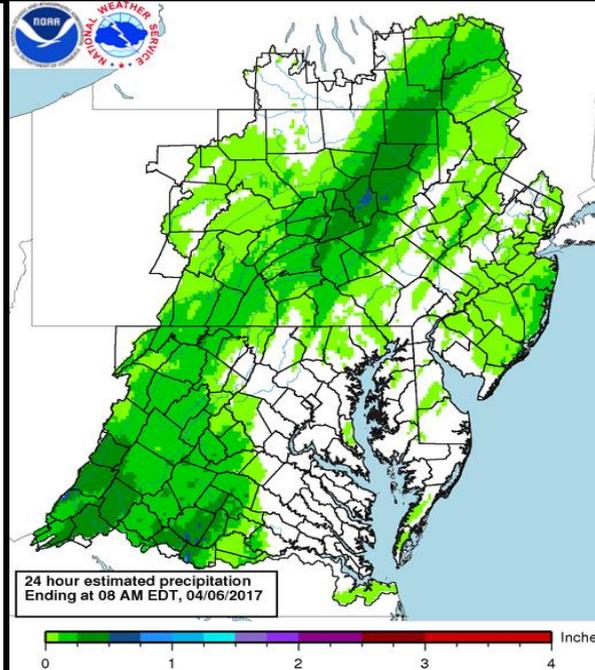
In the beginning days of April, warm weather was melting the remainder of the snow (mainly in the North Branch of the Susquehanna River basin and upper Delaware River basin in New York state). In addition to the melting snow, periods of moderate to at times heavy rain raised water levels to half or near bankfull in much of southern New York. Then a storm system brought a period of heavy rain to much of the Mid-Atlantic. This was enough to push those rivers in New York up to minor or moderate flood levels. Also, the rain was heavy enough in parts of Pennsylvania for flooding on the Swatara creek.

TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

4/5/2017 (12 Z) - 4/6/2017 (12 Z)

Amount Location

- 0.61" Gathright, VA
- 0.59" Cassidy Ridge, VA
- 0.56" Berwick, PA
- 0.51" Mustoe, VA
- 0.50" Hot Springs, VA
- 0.44" Bacova, VA
- 0.44" Chestnut Levels, VA
- 0.43" Carvin Creek, VA
- 0.43" Ogle Creek, VA
- 0.41" Lewisburg, WV

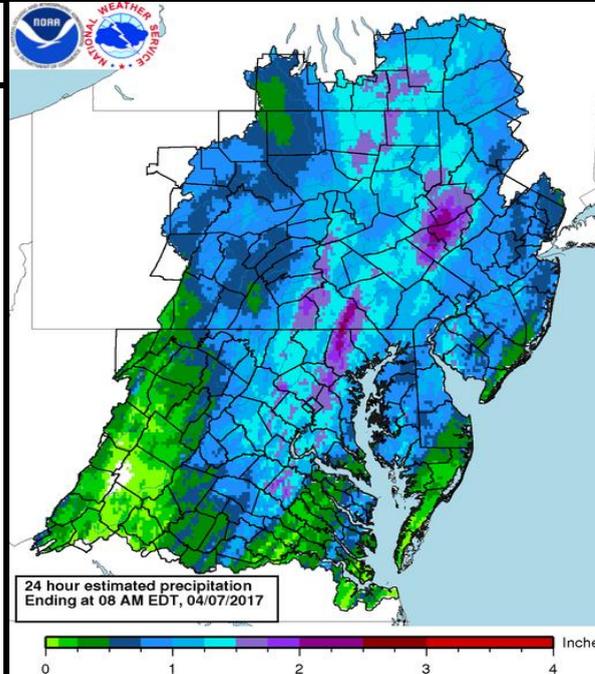


TOP 24-HOUR PRECIPITATION AMOUNTS (Liquid Equivalent and in inches)

4/6/2017 (12 Z) - 4/7/2017 (12 Z)

Amount Location

- 2.48" Elysburg, PA
- 2.47" Mahanoy City, PA
- 2.22" Frackville, PA
- 2.15" Lancaster, PA
- 2.00" Lebanon, PA
- 1.98" Reisterstown, MD
- 1.93" Canadensis, PA
- 1.85" Columbia, MD
- 1.82" Landingville, PA
- 1.82" Triangle, MD
- 1.80" Stroudsburg, PA
- 1.79" Safe Harbor, PA
- 1.77" Forty Fort, PA
- 1.75" Baltimore, MD
- 1.75" Mount Pocono, PA



Floods by MARFC Basins						
MARFC Basins	Fcst Points	Minor	Moderate	Major	Unknown	Mod & Major
Appomattox	0	0	0	0	0	0
Chemung	0	0	0	0	0	0
Delaware	1	1	0	0	0	0
James	0	0	0	0	0	0
Juniata	0	0	0	0	0	0
Lehigh	0	0	0	0	0	0
Lower Main Stem Susquehanna	2	2	0	0	0	0
North Branch Susquehanna	10	8	2	0	0	2
Passaic	0	0	0	0	0	0
Potomac	0	0	0	0	0	0
Rappahannock	0	0	0	0	0	0
Raritan	0	0	0	0	0	0
SE PA and Delaware (state)	0	0	0	0	0	0
Shenandoah	0	0	0	0	0	0
Upper Main Stem Susquehanna	0	0	0	0	0	0
West Branch Susquehanna	0	0	0	0	0	0
Floods by NWS Weather Forecast Offices						
Forecast Office	Fcst Points	Minor	Moderate	Major	Unknown	Mod & Major
Blacksburg, VA (RNK)	0	0	0	0	0	0
Binghamton, NY (BGM)	10	8	2	0	0	2
Brookhaven, NY (OKX)	0	0	0	0	0	0
Philadelphia, PA (PHI)	0	0	0	0	0	0
State College, PA (CTP)	2	2	0	0	0	0
Sterling, VA (LWX)	0	0	0	0	0	0
Wakefield, VA (AKQ)	0	0	0	0	0	0